GEDORE

Werkzeuge fürs Leben · *Tools for life*

CATALOGUE

14/15

GEDORE

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GEDORE

- Weight (total)
- Weight (total)
- Weight hammer head
- Length (total)
- Length (total)
- Length (total)
- Length (total)
- Length of blade
- Length of blade
- Length of shaft / handle
- Length of point / blade
- Diameter (also dia. of head, of shaft, of points)
- Diameter
- Diameter of hole (external)
- Diameter of hole (internal)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Thread size, connection thread
- Screw dimension (type of thread)
- Ratchet used
- Ratchet used
- Ratchet used
- Ratchet used
- Ratchet used

- Square drive (external)
- Square drive (external)
- Square drive (internal)
- Square drive (internal)
- Hexagon drive (external)
- Hexagon drive (external)
- Hexagon drive (internal)
- Hexagon drive (internal)
- Puller
- Clamping spread
- Clamping reach
- Size of spindle
- Hydraulic spindle
- Throat depth
- Opening capacity
- Drive sections
- Slotted
- Cross-slotted PH
- Cruciform PZ
- Internal square
- Hexagon internal
- Internal hexagon with tamper proof hole
- External hexagon
- Bi-hexagon external

- Unit Drive hexagon
- Unit Drive bi-hexagon
- Unit Drive
- Hexagon
- Bi-hexagon
- Internal-TORX®
- Internal TORX® with pilot
- TORX PLUS®
- External TORX®
- Internal serrations XZN
- Multi-spline RIBE®
- Female three-square
- TORQ-SET®
- Tri-Wing®
- Cutting edge thickness
- Jaw width / tape width
- Head width
- Conformity with EU guidelines
- VDE Test Symbol (Tools)
- VDE Test Symbol (Protective equipment)
- For working in voltage areas up to 1000 V
- Wire rope
- Jaws, angled 45°
- Flat jaws
- Flat-round jaws
- Round jaws
- Straight jaws
- Flat-round jaws
- Round jaws

GEDORE INDIVIDUAL

... customised for you!

Individual – precise – customised – flexible – right on!

RAL
- Individual product design
- All RAL colour tints can be produced

MOD
- Foam configurator
- Bespoke tool modules
- Two-colour check tool inserts
- Individual tool set for each insert

SIZE
- Extra-size tools
- Mini batches: Production as of 1 item
- Special-purpose tools

Cutting edge with bevel

Cutting edge without bevel

Straight jaws

Angled jaws 45°

Angled jaws 90°

Internal retaining rings

External retaining rings

EPA / ESD, electrostatic discharge

Electronic

File profile flat

File profile three-edged

File profile round

File profile half-round

File profile square

Blade / Cutting edge width

Blade thickness

Gear ratio

Output torque (max. N·m)

Input torque (max. N·m)

Scale divisions

Single square drive

Double square drive

Drive connector

Spigot-end drive

in cardboard or plastic packaging

in sheet metal box

Set in sheet metal or plastic box

Head width

Distance, hole to edge

GS Seal of tested quality

magnetic

Radius

Drawer

Door

Shelf

Pivoting angle

Angle

Weld-on end fitting

End fitting with hexagon wrench

Open end fitting

Flared end fitting

Ring end fitting

End fitting with square head

Bit holder end fitting

Ratchet end fitting

Anti-wind-up-ratchet

Factory certificate

Visual display digital

RS 232 interface

Bi-directional tightening

Audible reaction (click)

Mechanical torque multiplier

Integrated electronic hardware

DREMOMETER MINI-F operable w/o inaccuracies

1% Tolerance

3% Tolerance

4% Tolerance

6% Tolerance

Extension with release

Release head

Click Tools

Slipping Tools

Breaking Tools

Central locking

Cylinder lock

Cylinder lock with folding key

Total brake

Length/crosswide dividers

Individual blocking

Thickness of workplate

Multi fitting key

Shaft profiles

Magnetic lifting power

Stepped key

Head height

Head diameter

Friction ratchet

Sliding T bar

Extension

Universal joint

Driving handle

Adaptor

Handle

Head

Dimension shaft

Dimension head/striking face

Type of jaw

POWER PLIERS

Tip diameter

Tip diameter

Spread range

new

Catalogue page

Safety symbols

COAT

- Specific surface treatments possible
- e.g. colour anodising and much more

FORGE

- High-quality forgings based on your requirements
- Special-purpose tools

CHECK

- Special electronic product programming
- Determining/implementing individual maintenance intervals (calibration/services)

GEDORE INDIVIDUAL

Individual – precise – customised – flexible – right on!

... customised for you!

GEDORE MOD

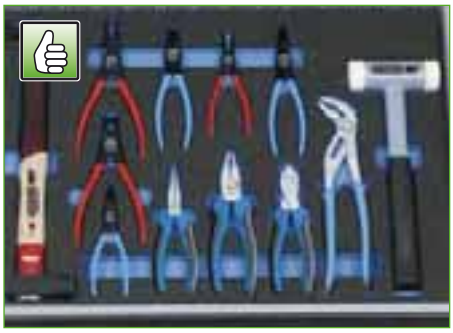
Our GEDORE foam configurator lets you obtain a maximum of efficiency!

... everywhere where it's a matter of rapidity, clarity and operating efficiency!

Process-reliable

Is there such a thing as ideal tool orderliness and a perfect world of tools?

Yes, there is - it's your own one adapted to your operations, resources and systems.



Your advantages:

- 1:1 implementation of your tool classification and logistics
- No process time loss from having to look for tools
- Improvement of orderliness and tidiness at the place of work
- Direct tool accessing and a tool totality check at a glance
- Process reliability
- Cost-optimising from tool purchase/deployment oriented to requirements, no purchasing of any unnecessary tool and surplus tool accumulation in the process avoided

The individual solution for order and overview.
See for yourself.

The new GEDORE Module-Configurator

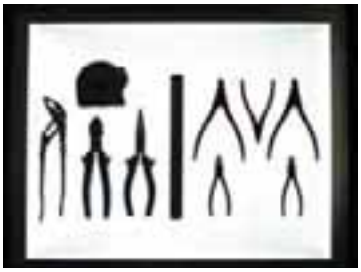
Why not create your perfection in tool orderliness in line with corporate design requests and your process specifications – We look forward to hearing from you!

. . . it couldn't be easier:

www.schaumstoffkonfigurator.de

1) Camera data recording

- Tool scan possible of the parts on-site i.e. the tools remain with you and your operation is not interrupted.
- Less outlay on your part as only bought-in tools are provided



2) Foam inlay design

- GEDORE tools are already on hand as pre-fitted tool shapes in a database.
- 1:1 arrangement and simulation of the parts ahead of manufacturing incl. plausibility tests (e.g. tool collisions ruled out in advance).
- Easy integration of customer-requested labelling and selection of various foam colours possible.
- A low data volume ensures straightforward saving of foam modules already constructed.
- This allows changes, updating and follow-up orders to be rushed through.

You yourself can shape and configure practically all components:

1. **Individual size cut-out of the foam inlay precisely adjusted to your operating equipment dimensions(cabinet, tool trolley, case, L-BOXX®, vehicle interior fittings, etc.)**
2. **Individual tool equipping of the foam inlays with allowance made for your existing or new GEDORE tools and/or your bought-in tools**
3. **Individual colour selection of the rigid foam in the proven 2-colour check-tool version for ease in visually checking on a full set of tools**
4. **Individual RAL-based colour selection of the tool trolley for perfect tool orderliness in your corporate design**
5. **Scope for personalising your tools and much more besides**

3) Manufacturing

- The individual foam module is delivered following constructor clearance within just a few days.

Technical Symbols

kg	Weight (total)		Central locking		Length/crosswide dividers
mm	Length (total)		Cylinder lock		Individual blocking
	Thickness of workplate		Cylinder lock with folding key		new
	Drawer		Total brake		Catalogue page

Workshop Equipment

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GEDORE workshop furniture...

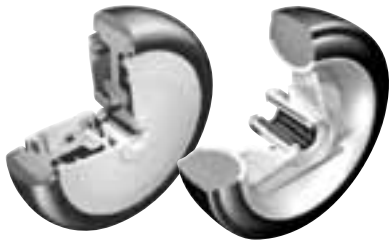
Best-possible quality for the highest demands placed

- Use of the most up-to-date machinery and environmentally-friendly production processes
- The basis is tightly-controlled and choice sheet steel
- Experienced and reliable specialists vouch for precision-like processing
- Stringent quality checks after each production step ensure a constantly high level
- Best-possible industrial quality for those extreme levels of constant use and conditions subjected to
- Professional service up to the development of special customised tools

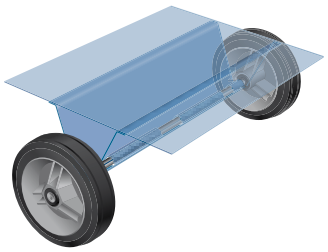
Intelligently designed - dependable under extreme use

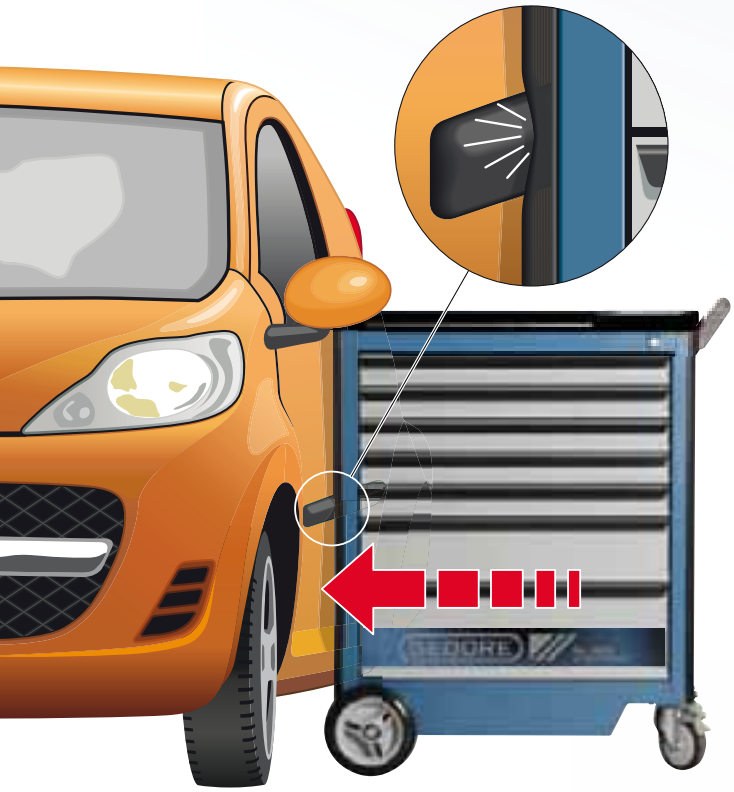
- Vertical and horizontal forces are calculated with precision
- Unloaded weight optimisation from a finely-tuned material input
- Robust, stable 0.88 mm thick sheet steel structure, supporting elements of a 1.00 mm metal thickness, a 2.00 mm metal thickness for the heavy-duty chassis
- Precision spot welding ensures components stay permanently fixed
- Tool trolleys have it all with their special GEDORE chassis and GEDORE heavy-duty wheels
- Durable and highly resilient with stability of the highest-order

Smooth running and high-performance wheels 16



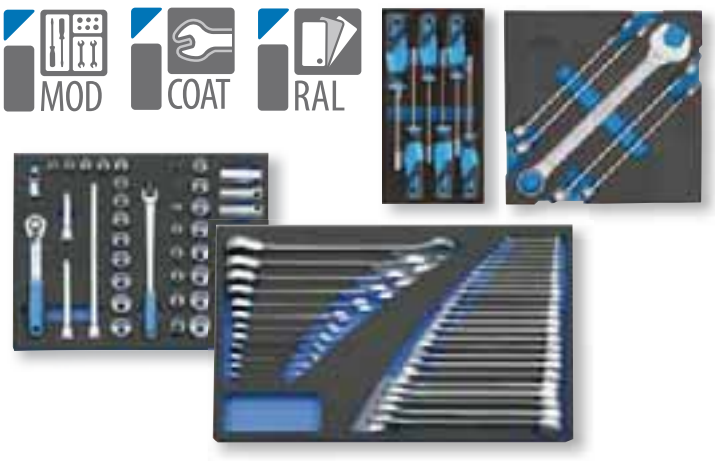
The GEDORE chassis (Not applicable to no. 1505) 16





Form and function perfection

- Whether mobile or stationary: indispensable aids, in fact, for the rough-and-ready of workshop routine
- Extremely robust, scratch and impact-resistant, corrosion-proof and easy to care for
- Durable and highly resilient with stability of the highest-order
- Numerous models to reflect use and individual requirements
- Varied, optional accessories available for flexibly extending all the basic models
- Specific colours (RAL) and outfits on request



Tidy look, uncluttered and always at hand

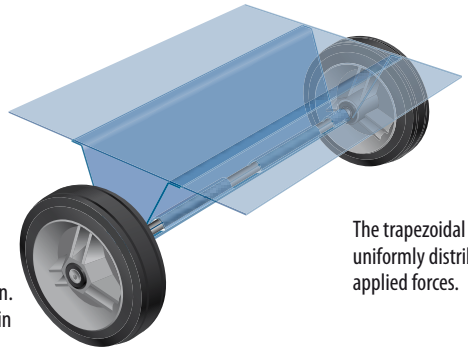
- Ready to be used straight after delivery: simply unpack and screw on the manoeuvring handle
- Whether a mobile or stationary guardian of tidiness: each tool has its own place here
- Modular arrangement systems make daily routine that much easier (visual check/tool missing)
- Compact tool assortments make selection easier
- Customised equipment/tool sets in module systems and/or trolleys/benches in company design/colours

The GEDORE trolley

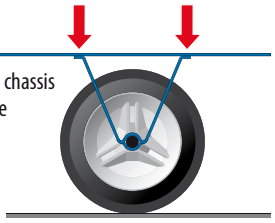
1 The GEDORE chassis

(Not applicable to no. 1505)

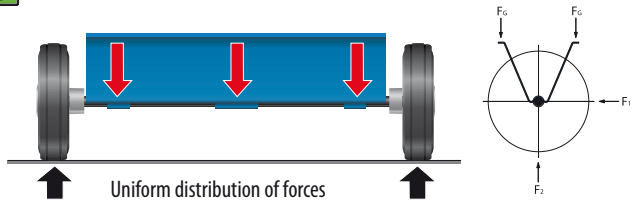
- The axle is mounted on triple bearings and is securely connected to the trapezoid.
- The third, central bearing prevents the axle bending under load.
- The special axle design ensures that the GEDORE high-performance rollers **always** roll on the full faces of their treads.
- Even under full load, the rollers retain their smooth running properties and cannot shed their tyres.
- Vertical and horizontal forces are absorbed by the positive-fit trapezoidal design.
- The forces acting on the roller base are uniformly distributed and do not result in any damage to the mobile tool chest or workbench.
- The absence of protruding bolts and nuts reduces the risk of injury to a minimum.



The trapezoidal GEDORE chassis uniformly distributes the applied forces.

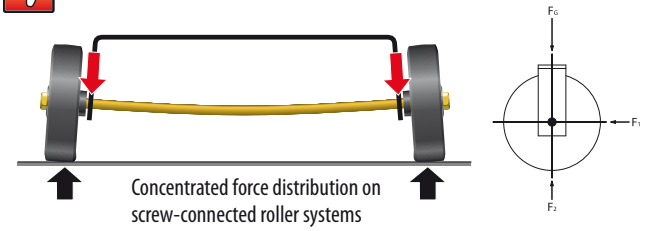


GEDORE



Uniform distribution of forces

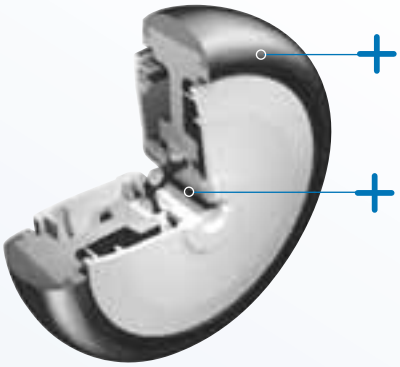
Conventional roller system



Concentrated force distribution on screw-connected roller systems

2 Smooth running and high-performance wheels

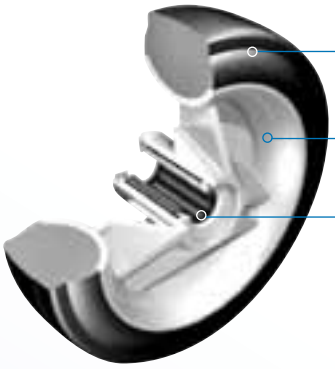
Smooth running wheel



Tyres made from solid rubber

The precision ball bearing consists of balls which run between an inner and outer hardened ring. Well-proven under extreme loads and at high speeds.

High-performance wheel



Tyres made from solid rubber, high load capacity, resistant to abrasion.

The rim is made from high-quality casting.

The roller bearing consists of rollers made of steel or stainless steel within a cage, which rotate between the axle tube and the wheel hub.

GEDORE

The GEDORE smooth running and high-performance wheels keep, even under maximum load, the following features: Smooth running, track-keeping and manoeuvrability!

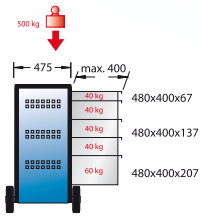
in unloaded state

with maximum loading

On conventional industrial wheels, there is a visible and perceptible change in handling under maximum loading. The high rolling resistance makes it almost impossible to move the mobile equipment when fully loaded. There is an increased risk of the tyre parting from the wheel, which could lead to an accident!

in unloaded state

with maximum loading



Load capacity

- The load capacity of the drawers is 40 kg
- Models 2004*, 2005, 1502, 1504*, 1504 XL, 1506 XL: The bottom drawer is designed as heavy-duty drawer, load capacity 60 kg

*** apart from 2004 1000, 1504 1000**

Individual drawer locking

- In addition to the central locking, each drawer has its own separate latch to prevent unwanted opening, when being moved
- The latch is automatically released by a tilting bar when the drawer is opened
- The single latch automatically engages when the drawer closes

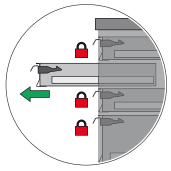
Central locking

- One central lock for all drawers and doors
- Safe and easy handling

Square perforation 10 x 38 mm

- The square perforation in the side walls enable quick access to frequently used tools
- GEDORE holders and trays are simply clipped in

- Look for this symbol:
- When marked with "E" the drawers are delivered with individual drawer blocking



Ball-bearing drawer slides

- The ball-bearing drawer slides ensure safe and easy sliding of the drawers, even when loaded to full capacity
- Full extension improves access

Powder coating

- GEDORIT blue and GEDORIT silver are the short names for the two types of powder paint, specially developed for GEDORE
- This coating method guarantees a high level of corrosion protection, combined with tough scratch resistance
- Powder coating is kind on the environment. Unused powder is reclaimed in the plant. No solvent is used
- Special colours available on request

Heel protection

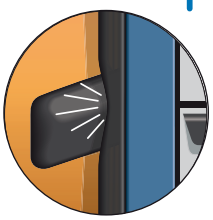
- All-round heel protection by rounded edges on the underside allows the tool trolley or workbench to be safely pulled or pushed

GEDORIT blue

GEDORIT silver

Impact protection

- The vertical impact protection protects the tool trolley and anything it comes into contact with from damage
- It also protects other equipment in the workshop or vehicles from inadvertent contact

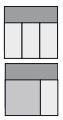
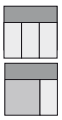
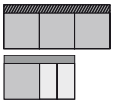
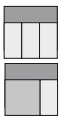
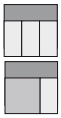
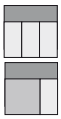
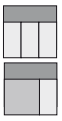
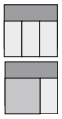


Total brake

- Prevents unwanted movement and turning of the wheel
- Ensures safe parking of the tool trolley or workbench

Selection aid - tool trolleys

Type/Pattern	Body						Chassis					Drawers						
	Height (mm)	Load capacity (kg)	Central locking system	ABS working platform with compartments / protective edge	Impact protection	for car boot transportation	Wide-track chassis (B) / heavy-duty (S)	GEDORE heavy-duty wheels	2x fixed castors (mm)	Total brake	2x swivel castors (mm)	Number	extendable to both sides	Max. load capacity per drawer (kg)	Single safeguard	Individual blocking	fully extendable	Drawer volume Compatibility - modules
2005	985	500	●	●	●		S	●	200	2	125	6 - 10		40/60	●		●	
2004	985	500	●	●	●		S	●	200	2	125	5 - 10		40/60	●		●	
3000	920	400	●	●	●		B	●	200	1	125	7		40	●		●	
2525	965	330	●	●	●			●	140	1	100	7		40	●		●	
2535	965	250	●	●	●	●		●	140	1	100	4 plus storage compartment		40	●		●	
1585	1060	300	●	●	●	●		●	140	1	100	6		40	●		●	
3010	900	120/220	●	●	●	●		●	140	1	100	3 plus storage compartment	●	20				
2000	930	300	●	●	●		B	●	140	1	100	5 plus storage compartment	●	20				
2500	960	300	●	●	●		B	●	140	1	100	8		40	●		●	
1580	930	300	●	●	●			●	140	1	100	4 plus storage compartment	●	20				
1578	930	200	●	●	●			●	140	1	100	6	●	20				
2004-0511 E	985	500	●	●	●		S	●	200	2	125	7		40/60	●	●	●	
2005-0511 E	985	500	●	●	●		S	●	200	2	125	7		40/60	●	●	●	

Type/Pattern		Body						Storage space			Drawers				
Height (mm)		with chassis - mobile	Mobile load capacity (kg)	Static load capacity (kg)	Central locking system	Wooden worktop (mm)	Heel protection edge	Wide-track chassis (B) / heavy-duty (S)	Storage compart-ment with door / open	including rear panel	Number	Max. load capacity per drawer (kg)	Single safe-guard	fully extend-able	Drawer volume Compatibility - modules
mobile															
1505	900	●	500	2000	●	40	●	S	●		5	40	●		
1504	985	●	500	700	●	30	●	S	●		6 - 10	40/60	●	●	
1504 XL	985	●	500	700	●	30	●	S	●		7 (6+1XL)	40/60	●	●	
BR 1504	985	●	500	700	●	30	●	S	●	●	7	40/60	●	●	
1502	870	●	500	700	●	25	●		open		6	40	●	●	
1506 XL	985	●	500	700	●	30	●	S			12 - 20	40/60	●	●	2 x 
B 1525	810			500		30									
stationary															
BR 1500 LH	900			2000	●	40	●		●	●	5	40	●	●	
B 1500 L	900			2000	●	40	●		●		5	40	●	●	

ES modules
CT modules
98 – 113

2005

TOOL TROLLEY

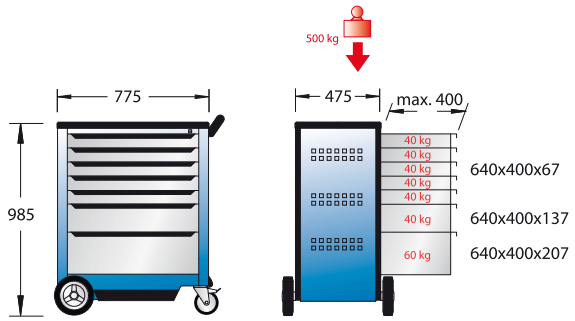
Body:
- Dimensions: H 985 x W 775 x D 475 mm
- Working platform in ABS, with 3 compartments for small parts
- With handle for easy pushing, pulling and turning
- Side walls with square perforation 10 x 38 mm to fix hooks and tools
- Heel and impact protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

Drawers:
- Central locking with cylinder lock
- Wide drawers (W 640 x D 400 mm) fully extendable, removable
- Each drawer with safety locking, single-hand operation
- Ball-bearing guide rails
- Can be individually equipped with length and crosswide dividers (can be ordered individually)
- Load capacity per drawer 40 kg, bottom heavy-duty drawer 60 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

GEDORE High-performance chassis:
- Total load capacity 500 kg
- 2 high-performance wheels on roller bearings (fixed castors Ø 200 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 125 mm), both with total brake
- The GEDORE axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Accessories:
- Length- (LD) and crosswise (CD) dividers from zinc-plated sheet steel

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT or 2005 CT)
- Optionally extendable with GEDORE tool chests, rear panels and tool holders
- Further drawer combinations on request
- Special colours and designs available on request
- Delivery without tools and accessories



2005 0511

- LD = Lengthwise dividers
- CD = Crosswise dividers

	H	W	D	LD	CD	kg	Code	No.
7 drawers: **5x type 1, H = 67 mm** **1x type 2, H = 137 mm** **1x type 3, H = 207 mm**	985	775	475	10x	2x	93.0	**1803018**	2005 0511
6 drawers: **3x type 1, H = 67 mm** **2x type 2, H = 137 mm** **1x type 3, H = 207 mm**	985	775	475	6x	2x	89.0	**2003546**	2005 0321
8 drawers: **7x type 1, H = 67 mm** **1x type 3, H = 207 mm**	985	775	475	10x	2x	92.0	**2003554**	2005 0701
9 drawers: **8x type 1, H = 67 mm** **1x type 2, H = 137 mm**	985	775	475	15x	3x	99.0	**2003562**	2005 0810

2005 0511 E

TOOL TROLLEY WITH INDIVIDUAL DRAWER BLOCKING

Body:
- Dimensions: H 985 x W 775 x D 475 mm
- Working platform in ABS, with 3 compartments for small parts
- With handle for easy pushing, pulling and turning
- Side walls with square perforation 10 x 38 mm to fix hooks and tools
- Heel and impact protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

Drawers:
- **Individual blocking**, only one drawer can be open at a time. Prevents the simultaneous opening of several drawers.
- Central locking with cylinder lock
- Wide drawers (W 640 x D 400 mm) fully extendable, removable
- Each drawer with safety locking, single-hand operation
- Ball-bearing guide rails
- Can be individually equipped with length and crosswide dividers (can be ordered individually)
- Load capacity per drawer 40 kg, bottom heavy-duty drawer 60 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

GEDORE High-performance chassis:
- Total load capacity 500 kg
- 2 high-performance wheels on roller bearings (fixed castors Ø 200 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 100 mm), both with total brake
- The GEDORE axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Accessories:
- Length- (LD) and crosswise (CD) dividers from zinc-plated sheet steel

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT or 2005 CT)
- Optionally extendable with GEDORE tool chests, rear panels and tool holders
- Further drawer combinations on request
- Special colours and designs available on request
- Delivery without tools and accessories

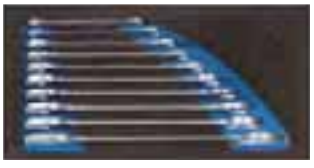
	H	W	D	LD	CD	kg	Code	No.
7 drawers: **5x type 1, H = 67 mm** **1x type 2, H = 137 mm** **1x type 3, H = 207 mm**	985	775	475	10x	2x	93.0	**2827379**	2005 0511 E

2004 HP-14 31

2430 31

RB 2004 L 32

1500 ES / 1500 CT 98 – 113



TOOL TROLLEY

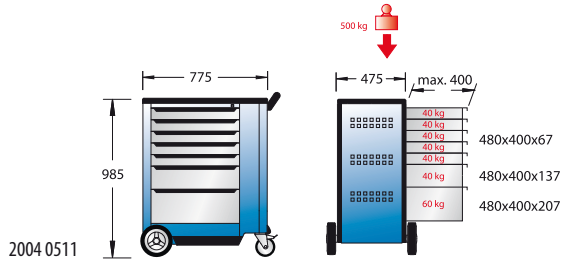
Body:
- Dimensions: H 985 x W 775 x D 475 mm
- Working platform in ABS, with 3 compartments for small parts
- Storage compartment with perforated sheet (Euro perforation 10 x 38 mm), two removable drawers for small parts and door on the handle side
- With handle for easy pushing, pulling and turning
- Front side with square perforation 10 x 38 mm to fix hooks and tools
- Heel and impact protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

Drawers:
- Central locking with cylinder lock
- Wide drawers (W 480 x D 400 mm) fully extendable, removable
- Each drawer and storage compartment with safety locking, single-hand operation
- Ball-bearing guide rails
- Can be individually equipped with length and crosswide dividers (can be ordered individually)
- Load capacity per drawer 40 kg, bottom heavy-duty drawer 60 kg (apart from 2004 1000)
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

GEDORE High-performance chassis:
- Total load capacity 500 kg
- 2 high-performance wheels on roller bearings (fixed castors Ø 200 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 100 mm), both with total brake
- The GEDORE axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Accessories:
- Length- (LD) and crosswise (CD) dividers from zinc-plated sheet steel

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Optionally extendable with GEDORE tool chests, rear panels and tool holders
- Further drawer combinations on request
- Special colours and designs available on request
- Delivery without tools and accessories



2004 0511

	H	W	D	LD	CD	kg	Code	No.
10 drawers: **10x type 1, H = 67 mm**	985	775	475	15x	3x	94.0	**1640690**	2004 1000
9 drawers: **8x type 1, H = 67 mm** **1x type 2, H = 137 mm**	985	775	475	15x	3x	91.0	**1640704**	2004 0810
8 drawers: **7x type 1, H = 67 mm** **1x type 3, H = 207 mm**	985	775	475	10x	2x	86.0	**1640712**	2004 0701
8 drawers: **6x type 1, H = 67 mm** **2x type 2, H = 137 mm**	985	775	475	10x	2x	88.0	**1640720**	2004 0620
7 drawers: **5x type 1, H = 67 mm** **1x type 2, H = 137 mm** **1x type 3, H = 207 mm**	985	775	475	10x	2x	84.0	**1640739**	2004 0511
6 drawers: **3x type 1, H = 67 mm** **2x type 2, H = 137 mm** **1x type 3, H = 207 mm**	985	775	475	6x	2x	82.0	**1640755**	2004 0321
5 drawers: **1x type 1, H = 67 mm** **3x type 2, H = 137 mm** **1x type 3, H = 207 mm**	985	775	475	3x	2x	75.0	**1640763**	2004 0131

2004 0511 E

TOOL TROLLEY WITH INDIVIDUAL DRAWER BLOCKING

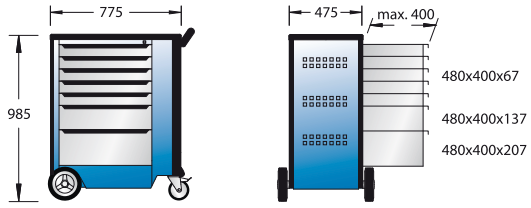
Body:
- Dimensions: H 985 x W 775 x D 475 mm
- Working platform in ABS, with 3 compartments for small parts
- Storage compartment with perforated sheet (Euro perforation 10 x 38 mm), two removable drawers for small parts and door on the handle side
- With handle for easy pushing, pulling and turning
- Front side with square perforation 10 x 38 mm to fix hooks and tools
- Heel and impact protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

Drawers:
- **Individual blocking**, only one drawer can be open at a time. Prevents the simultaneous opening of several drawers.
- Central locking with cylinder lock
- Wide drawers (W 480 x D 400 mm) fully extendable, removable
- Each drawer and storage compartment with safety locking, single-hand operation
- Ball-bearing guide rails
- Can be individually equipped with length and crosswide dividers (can be ordered individually)
- Load capacity per drawer 40 kg, bottom heavy-duty drawer 60 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

GEDORE High-performance chassis:
- Total load capacity 500 kg
- 2 high-performance wheels on roller bearings (fixed castors Ø 200 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 100 mm), both with total brake
- The GEDORE axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Accessories:
- Length- (LD) and crosswise (CD) dividers from zinc-plated sheet steel

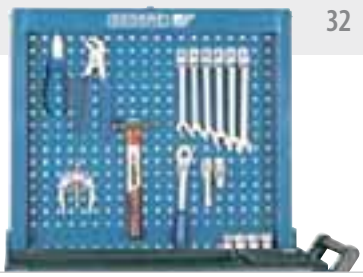
Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Optionally extendable with GEDORE tool chests, rear panels and tool holders
- Further drawer combinations on request
- Special colours and designs available on request
- Delivery without tools and accessories



	H	W	D	LD	CD		Code	No.
7 drawers: **5x type 1, H = 67 mm** **1x type 2, H = 137 mm** **1x type 3, H = 207 mm**	985	775	475	10x	2x	84.0	**2827360**	2004 0511 E

1500 BL 43

R 2004 L 32



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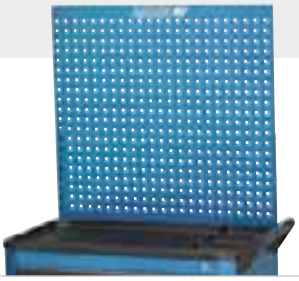


SL 2013 / SL 3014 / SL 1912 / SL 1916 182 · 196 · 218

TOOL TROLLEY TANTO with 7 drawers

Body:
- Dimensions: H 920 x W 585 x D 485 mm
- Working platform in ABS, with 4 compartments for small parts
- Storage compartment with perforated sheet (square perforation 10 x 38 mm) on the rear side
- With handle for easy pushing, pulling and turning
- Can be turned on the spot, easily maneuverable, especially in narrow corridors
- With heel protection and safety shock absorber
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

Drawers:
- Central locking with cylinder lock
- 6 wide drawers (W 480 x D 351 x H 79 mm) fully extendable, removeable
- 1 large capacity drawer (W 480 x D 351 x H 205 mm) fully extendable, removeable, for bulky parts
- Each drawer and storage compartment with safety locking, single-hand operation
- Ball-bearing guide rails
- Can be individually equipped with length and crosswide dividers (can be ordered individually, not for the large capacity drawer)
- Load capacity per drawer 40 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

GEDORE Wide-track chassis:
- Total load capacity 400 kg
- 2 high-performance wheels on roller bearings (fixed castors Ø 200 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 125 mm), one with total brake
- The GEDORE trapezoidal axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Accessories:
- 2 anti-slip mats resistant to chemicals
- 8 length- (LT) and 2 crosswise (QT) dividers from zinc-plated sheet steel

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Special colours and designs available on request
- Delivery without tools and accessories

H	W	D	LD	CD	kg	Code	No.
920	585	485	8x	2x	67.0	**6624880**	3000

1500 ES / 1500 CT 98 – 113

S 1022 NFZ 93

3000 H 14 32

2525-520

TOOL TROLLEY with 7 drawers

Body:
- Dimensions: H 965 x W 720 x D 395 mm
- Working platform in ABS, with 3 compartments for small parts
- Storage compartment with perforated sheet (square perforation 10 x 38 mm) on the handle side
- With handle for easy pushing, pulling and turning
- 1 side wall with square perforation 10 x 38 mm to fix hooks and tools
- All-round heel and impact protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

Drawers:
- Central locking with cylinder lock
- 5 wide drawers (W 480 x D 325 x H 75 mm) fully extendable
- 2 large capacity drawers (W 480 x D 325 x H 120 mm) fully extendable, for bulky parts
- Individual drawer locking, single-hand operation
- Ball-bearing guide rails
- Can be individually equipped with length and crosswide dividers (can be ordered individually, not for the large capacity drawers)
- Load capacity per drawer 40 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver
- **GEDORE High-performance chassis:**
- Total load capacity 330 kg
- 2 high-performance wheels on roller bearings (fixed castors Ø 140 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 100 mm), one with total brake
- The GEDORE trapezoidal axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Accessories:
- 10-piece hook assortment
- 8 length- (LT) and 2 crosswise (QT) dividers from zinc-plated sheet steel

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Optionally extendable with wooden plate No. 2525 HP
- Special colours and designs available on request
- Delivery without tools and accessories

H	W	D	LD	CD	kg	Code	No.
965	720	395	8x	2x	67.0	**1587102**	2525-520

2535

TOOL TROLLEY DUO with 4 drawers

Body:
- Overall dimensions: H 965 x W 625 x D 395 mm
- Dimensions upper part: H 350 x W 625 x D 395 mm
- Dimensions lower part: H 635 x W 625 x D 395 mm
- Top and bottom of mobile tool chest joined by quick-action latches for easy separation each with two carry handles
- Each has a working platform in ABS, with 3 compartments for small parts
- Lower part with all-round heel and impact protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

Drawers:
- Separate locking for top and bottom of mobile tool chest with two identical cylinder locks
- Upper part with 3 wide drawers (W 480 x D 325 x H 79 mm) fully extendable, removeable
- Lower part with 1 wide drawer (W 480 x D 325 x H 79 mm) fully extendable, removeable, and a large storage compartment
- Individual drawer locking, single-hand operation
- Ball-bearing guide rails
- Can be individually equipped with length and crosswide dividers (can be ordered individually, not for the deep storage)
- Load capacity per drawer 40 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

GEDORE Chassis
- Total load capacity 250 kg
- 2 high-performance wheels on roller bearings (fixed castors Ø 140 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 100 mm), one with total brake
- The GEDORE trapezoidal axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Accessories:
- Length- (LT) and crosswise (QT) dividers from zinc-plated sheet steel

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Special colours and designs available on request
- Delivery without tools and accessories

H	W	D	LD	CD	kg	Code	No.
965	625	395	4x	2x	50.0	**1892495**	2535
350	625	395	3x	2x	27.0	**1906445**	2535 SMA
635	625	395	1x	-	23.0	**1904167**	2535 SMW

3-CHEST TOOL TROLLEY MODULAR SYSTEM

Body:
- Overall dimensions: H 1060 x W 660 x D 400 mm
- When tool chests 1430 and 1431 are stacked on it, the base 1432 becomes the mobile high-capacity trolley 1585
- The base 1432 can of course also be combined with various tool chests
- Each has a working platform in ABS
- With plug-in lockable push handle, also suitable for lifting the trolley
- Base with square perforation 10 x 38 mm to fix hooks and tools
- Heel and impact protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

Drawers:
- Central locking with cylinder lock
- Tool chest 1430 with 3 wide drawers (W 480 x D 325 x H 79 mm) fully extendable
- Tool chest 1431 with 2 wide drawers (W 480 x D 325 x H 79/160 mm) fully extendable
- 1 large capacity drawer (W 480 x D 351 x H 205 mm) fully extendable, removeable, for bulky parts
- Each drawer with safety locking, single-hand operation
- Ball-bearing guide rails
- Load capacity per drawer 40 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

GEDORE Chassis
- Total load capacity 300 kg
- 2 high-performance wheels on roller bearings (fixed castors Ø 140 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 100 mm), one with total brake
- The GEDORE trapezoidal axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

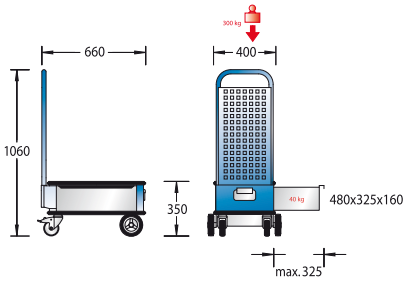
Accessories:
- Length- (LT) and crosswise (QT) dividers from zinc-plated sheet steel (can be ordered individually)

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Special colours and designs available on request
- Delivery without tools and accessories

1432 + 1431

1432

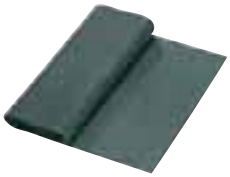
1585
(1430 + 1431 + 1432)



Description	H	W	D	LD	CD	kg	Code	No.
3-Chest tool trolley without tools	1060	660	400	8x	4x	77.0	**6624290**	1585
Tool chest with 3 drawers	305	625	400	6x	2x	26.0	**6618130**	1430
Tool chest with 2 drawers	305	625	400	2x	2x	23.0	**6615030**	1431
Tool chest with mobile base	1060	660	400	-	-	28.0	**6615620**	1432
Hook assortment 20 pcs						0.7	**5801550**	1585 HS

1500 ES / 1500 CT 98 – 113

1500 H 13 43



TOOL TROLLEY VARIO with lowering mechanism

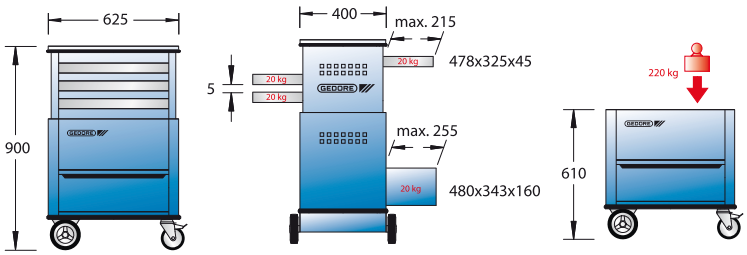
Body:
- Dimensions: H 610/900 x W 625 x D 400 mm
- With lowering mechanism, can be raised at the push of a button by 2 gas springs
- Lifts automatically with up to 25 kg load
- Automatic lock, to produce a sturdy working surface with over 120 kg load capacity
- Working platform with ABS top
- All-round heel and impact protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

Drawers:
- Central locking with cylinder lock when lowered
- 3 wide drawers (W 478 x D 325 x H 45 mm), open either side
- 1 large capacity drawer (W 480 x D 343 x H 160 mm) fully extendable, for bulky parts
- Ball-bearing guide rails, with middle and end catches
- Can be individually equipped with length and crosswide dividers (can be ordered individually, not for the large capacity drawer)
- Load capacity per drawer 20 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

GEDORE Chassis
- When lowered, total load capacity over 220 kg
- 2 high-performance wheels on roller bearings (fixed castors Ø 140 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 100 mm), one with total brake
- The GEDORE trapezoidal axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Accessories:
- 6 length- (LT) and 2 crosswise (QT) dividers from zinc-plated sheet steel

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Special colours and designs available on request
- Delivery without tools and accessories



H	W	D	LD	CD	kg	Code	No.
900	625	400	6x	2x	42.0	**6625260**	3010

2000

TOOL TROLLEY with 5 drawers

Body:
- Dimensions: H 930 x W 625 x D 400/545 mm
- Trapezoid shape for extra stability, wheels mounted internally
- Double sided metal shutters to secure the whole internal space
- Working platform with ABS top
- With handle for easy pushing, pulling and turning
- Side walls with square perforation 10 x 38 mm to fix hooks and tools
- All-round heel and impact protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

Drawers:
- Central locking with cylinder lock
- 5 wide drawers (W 480 x D 325 x H 45 mm), all drawers open either side
- 1 deep storage at base
- On ball-catch bearings, with middle and end catches
- Can be individually equipped with length and crosswide dividers (can be ordered individually)
- Load capacity per drawer 20 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

GEDORE Chassis
- Total load capacity 300 kg
- 2 high-performance wheels on roller bearings (fixed castors Ø 140 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 100 mm), one with total brake
- The GEDORE trapezoidal axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Accessories:
- 10 length- (LT) and 2 crosswise (QT) dividers from zinc-plated sheet steel

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Optionally extendable with GEDORE tool chest 1430, 1431
- Special colours and designs available on request
- Delivery without tools and accessories

H	W	D_1	D_2	LD	CD	kg	Code	No.
930	625	400	545	10x	2x	47.0	**6627710**	2000

2500

TOOL TROLLEY with 8 drawers

Body:
- Dimensions: H 960 x W 625 x D 400/545 mm
- Trapezoid shape for extra stability, wheels mounted internally
- Working platform with ABS top
- With handle for easy pushing, pulling and turning
- Side walls with square perforation 10 x 38 mm to fix hooks and tools
- All-round heel and impact protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

Drawers:
- Central locking with cylinder lock
- 7 wide drawers (W 480 x D 330 x H 79 mm) fully extendable, removable
- 1 wide drawer (W 480 x D 330 x H 152 mm) fully extendable, removeable
- Each drawer with safety locking, single-hand operation
- On ball-catch bearings
- Can be individually equipped with length and crosswide dividers (can be ordered individually)
- Load capacity per drawer 40 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

GEDORE Chassis
- Total load capacity 300 kg
- 2 high-performance wheels on roller bearings (fixed castors Ø 140 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 100 mm), one with total brake
- The GEDORE trapezoidal axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Accessories:
- 10 length- (LT) and 2 crosswise (QT) dividers from zinc-plated sheet steel

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Optionally extendable with GEDORE tool chest 1430, 1431
- Special colours and designs available on request
- Delivery without tools and accessories

H	W	D_1	D_2	LD	CD	kg	Code	No.
960	625	400	545	10x	2x	64.0	**6171720**	2500

TOOL TROLLEY with 4 drawers

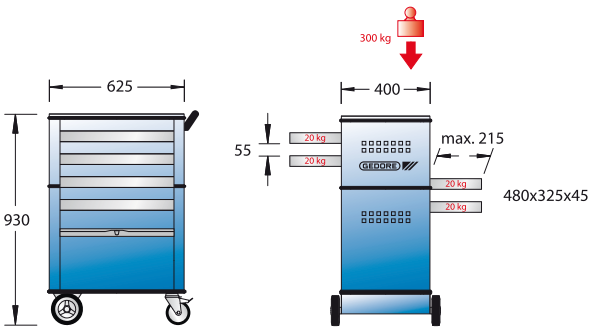
Body:
- Dimensions: H 930 x W 625 x D 400 mm
- Double sided metal shutters to secure the whole internal space
- Working platform with ABS top
- With handle for easy pushing, pulling and turning
- Side walls with square perforation 10 x 38 mm to fix hooks and tools
- All-round heel and impact protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

Drawers:
- Central locking with cylinder lock
- 4 wide drawers (W 480 x D 325 x H 45 mm), all drawers open either side
- 1 deep storage at base
- Ball-bearing guide rails, with middle and end catches
- Can be individually equipped with length and crosswide dividers (can be ordered individually)
- Load capacity per drawer 20 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

GEDORE Chassis
- Total load capacity 300 kg
- 2 high-performance wheels on roller bearings (fixed castors Ø 140 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 100 mm), one with total brake
- The GEDORE trapezoidal axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Accessories:
- 8 length- (LT) and 2 crosswise (QT) dividers from zinc-plated sheet steel

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Optionally extendable with GEDORE tool chest 1430, 1431, additional drawer KSF 1580
- Special colours and designs available on request
- Delivery without tools and accessories



H	W	D	LD	CD	kg	Code	No.
930	625	400	8x	2x	40.0	**6627550**	1580

KSF 1580 32

1430 1431 30

GEDORE INDIVIDUAL ... CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

1578

TOOL TROLLEY with 6 drawers

- **Body:**
- Dimensions: H 930 x W 605 x D 375 mm
- Working platform in ABS, with 3 compartments for small parts
- With handle for easy pushing, pulling and turning
- Heel protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

Drawers:

- Central locking with cylinder lock
- 4 wide drawers (W 480 x D 325 x H 75 mm)
- 1 wide drawer (W 480 x D 325 x H 120 mm)
- 1 wide drawer (W 480 x D 325 x H 210 mm)
- All drawers open either side
- Can be individually equipped with length and crosswide dividers (can be ordered individually)
- Load capacity per drawer 20 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

GEDORE Chassis

- Total load capacity 200 kg
- 2 high-performance wheels on roller bearings (fixed castors Ø 140 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 100 mm), one with total brake
- The GEDORE trapezoidal axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Accessories:

- 6 length- (LT) and 2 crosswise (QT) dividers from zinc-plated sheet steel

Options:

- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Special colours and designs available on request
- Delivery without tools and accessories

H	W	D	LD	CD	kg	Code	No.
930	605	375	6x	2x	43.5	**9018140**	1578

Optional accessories

TOP TOOL CHESTS

1430

TOOL CHEST

- Designed particularly as top box for trolleys 1580, 1585, 2000, 2500, 3010

Body:

- Dimensions: H 305 x W 625 x D 400 mm
- ABS top
- Heel and impact protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

Drawers:

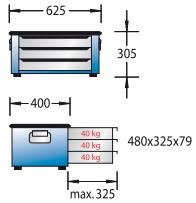
- Central locking with cylinder lock
- 3 wide drawers (W 480 x D 325 mm) fully extendable, removable
- Each drawer with safety locking, single-hand operation
- Ball-bearing guide rails
- Can be individually equipped with length and crosswide dividers (can be ordered individually)
- Load capacity per drawer 40 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

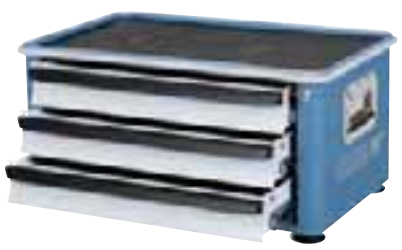
Accessories:

- 6 length- and 2 crosswise dividers in zinc-plated sheet steel

Options:

- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Special colours and designs available on request
- Delivery without tools and accessories





H	W	D	LD	CD	kg	Code	No.
305	625	400	6x	2x	26.0	**6618130**	1430

1431

TOOL CHEST

- Designed particularly as top box for trolleys 1580, 1585, 2000, 2500, 3010

Body:

- Dimensions: H 305 x W 625 x D 400 mm
- ABS top
- Heel and impact protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

Drawers:

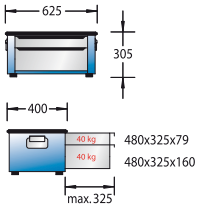
- Central locking with cylinder lock
- 2 wide drawers (W 480 x D 325 mm) fully extendable, removable
- Each drawer with safety locking, single-hand operation
- Ball-bearing guide rails
- Can be individually equipped with length and crosswide dividers (can be ordered individually)
- Load capacity per drawer 40 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

Accessories:

- 6 length- and 2 crosswise dividers in zinc-plated sheet steel

Options:

- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Special colours and designs available on request
- Delivery without tools and accessories



H	W	D	LD	CD	kg	Code	No.
305	625	400	2x	2x	23.0	**6615030**	1431

2430

TOOL CHEST

Body:
- Dimensions: H 345 x W 775 x D 475 mm
- Working platform in ABS with 3 compartments for small parts
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

Drawers:
- Central locking with cylinder lock
- Wide drawers (W 640 x D 400 x H 67 mm) fully extendable, removable
- Each drawer with safety locking, single-hand operation
- Ball-bearing guide rails
- Can be individually equipped with length and crosswide dividers*
- Load capacity per drawer 40 kg
- Sheet steel, corrosion- and scratch-resistant powder-coated, GEDORIT silver

Use:
- Designed particularly as top box for trolleys 2004, 2005

Accessories:
- 6 length- and 2 crosswise dividers in zinc-plated sheet steel

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Individual drawer blocking on request

H	W	D	LD	CD	kg	Code	No.
345	775	475	6x	2x	34.0	**1888927**	2430

1072 K

TOOL BOX

- Sturdy sheet steel, in GEDORIT blue
- With deep-drawn plastic insert with 19 compartments
- Dimensions: W 480 x D 330 x H 70 mm

W	D	H	kg	Code	No.
480	330	70	3.6	**1920049**	1072 K-19

ACCESSORIES FOR TOOL TROLLEYS

2004 HP

WOOD PLATE

- To fit in the plastic top, 30 mm thick, to get an additional work surface
- Multiplex beech wood
- For tool trolleys 2004 and 2005 and tool chest 2430
- No. 2004 HP until 03/2014 for depth 435 mm, no. 2004 HP-14 as from 04/2014, for depth 475 mm

W	D	mm	Execution	kg	Code	No.
590	410	30	until 03/2014	5.0	**1446967**	2004 HP
563	409	30	as from 04/2014	5.0	**2879883**	2004 HP-14

2525 HP

WOOD PLATE

- Multiplex beech wood
- For tool trolley 2525
- To fit in the plastic top, 20 mm thick, to get an additional work surface

W	D	mm	kg	Code	No.
550	375	20	4.0	**2082578**	2525 HP

1500 H 7

TRAY

- Will fit on 1580, 1585, 2000, 2500
- A useful tray to increase the working surface, captive coupling to the trolley
- Load capacity approx. 5 kg
- In GEDORIT blue with rubber mat

H	W	D	kg	Code	No.
30	370	300	1.6	**5792030**	1500 H 7

KSF 1580

ADDITIONAL DRAWER

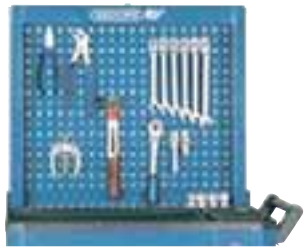
- Will fit the drawers of GEDORE tool trolley 1580
- With bearings, mounting pieces and mounting manual
- Up to 4 additional drawers can be fitted
- In GEDORIT silver

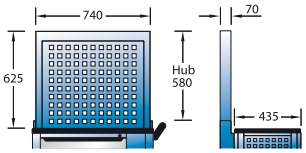
H	W	D	kg	Code	No.
24	420	325	2.2	**6624610**	KSF 1580

R 2004 L

REAR PANEL

- Automatically raised by two gas springs
- Neat arrangement of tools on square perforation 10 x 38 mm
- The complete loaded rear wall can be simply lowered
- Central locking with cylinder lock
- Can be attached to 2004, 2005
- Delivery without tools





H	W	D	kg	Code	No.
768	770	116	25.0	**1446169**	R 2004 L

3000 H 14

DOOR ELEMENT for TANTO 3000

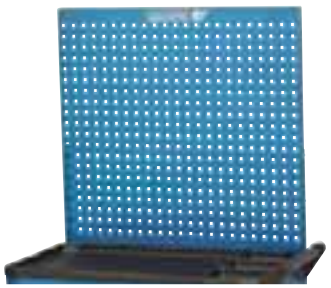
- For later installation
- The free space in the rear can be enclosed with this and secured with the cylinder lock installed
- Mounting material included in delivery
- Optional accessory: Tray 1500 H 9-75
- In GEDORIT silver
- Delivery without tools

kg	Code	No.
5.9	**5809880**	3000 H 14

RT 2004 L

REAR PANEL BOARD

- Square perforation 10 x 38 mm
- Can be attached to 2004 and 2005 (as well as old models 2002 and 2003)



H	W	D	kg	Code	No.
715	765	30		**2663104**	RT 2004 L

RB 2004 L

REAR PANEL

- Square perforation 10 x 38 mm
- Can be attached to 2004 and 2005

H	W	D	kg	Code	No.
700	665	15	5.8	**1933302**	RB 2004 L

3000 TANTO 24

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CHECK COAT FORGE MOD RAL SIZE

1505

MOBILE WORKBENCH

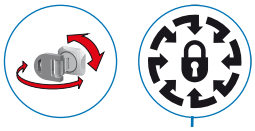
Body:
- Dimensions: H 900 x W 1100 x D 652 mm
- 40 mm thick multiplex beech wood worktop, surface additionally protected by linseed oil varnish
- Large usable storage space with shelf and door
- Easy, safe movement with pull handle
- Heel protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

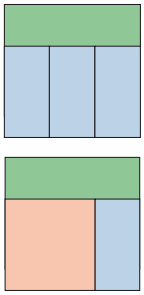
Drawers:
- Central locking with cylinder lock
- 5 wide drawers (W 480 x D 550 mm), extendable up to 505 mm, removeable
- Each drawer with safety locking, single-hand operation
- Ball-bearing guide rails
- Can be individually equipped with length and crosswide dividers (can be ordered individually)
- Load capacity per drawer 40 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

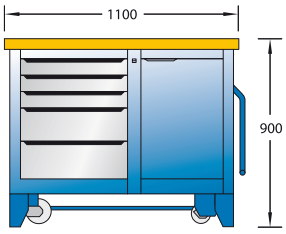
GEDORE Jumbo heavy-duty chassis:
- Total load capacity 2000 kg, 500 kg when mobile
- 4 GEDORE wheels on roller bearings with independent wheel suspension
- Absolutely stable standing when lowered
- Mobile due to hydraulic raising mechanism, just lift the pull handle
- High floor clearance

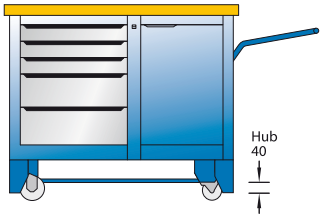
Accessories:
- 2 distance modules No. 1500 ED-70 K
- 9 length- (LT) and 9 crosswise (QT) dividers from zinc-plated sheet steel

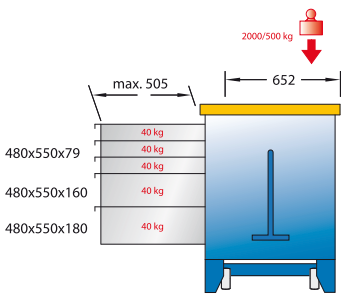
Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Rear panel R 1504 L can be added
- Delivery without tools and accessories
- Special colours and designs available on request











Description	H	W	D	mm	LD	CD	kg	Code	No.
Mobile workbench	900	1100	652	40	9x	9x	138.0	**6621780**	1505
Mobile workbench with vice	900	1100	652	40	9x	9x	156.5	**6621860**	1505 S

MOBILE WORKBENCH EXTRA WIDTH

Body:
- Dimensions: H 985 x W 1250 x D 550 mm
- 30 mm thick multiplex beech wood worktop, surface additionally protected by linseed oil varnish
- With two similar drawer blocks
- Heel protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

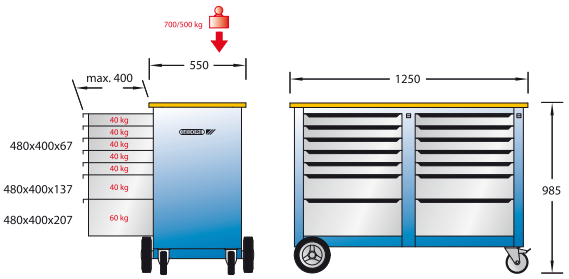
Drawers:
- Central locking with cylinder lock
- Wide drawers (W 480 x D 400 mm) fully extendable, removable
- Each drawer with safety locking, single-hand operation
- Ball-bearing guide rails
- Can be individually equipped with length and crosswide dividers (can be ordered individually)
- Load capacity per drawer 40 kg, bottom heavy-duty drawers 60 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

GEDORE High-performance chassis:
- Total load capacity 700 kg, 500 kg when mobile
- 2 high-performance wheels on roller bearings (fixed castors Ø 200 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 125 mm), both with total brake
- The GEDORE trapezoidal axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Accessories:
- 4 distance modules No. 1500 ED-70 K
- Length- (LT) and crosswise (QT) dividers from zinc-plated sheet steel

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Rear panel R 1504 XL-L can be added
- Further drawer combinations on request
- Special colours and designs available on request
- Delivery without tools and accessories

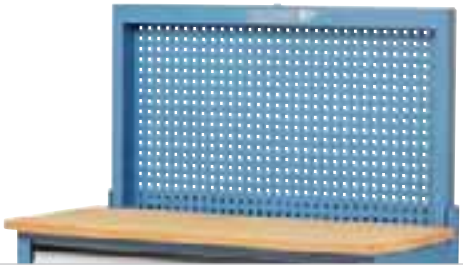
1506 XL 2511



1506 XL 2810

	H	W	D	mm	LD	CD	kg	Code	No.
14 drawers: **10x type 1, H = 67 mm** **2x type 2, H = 137 mm** **2x type 3, H = 207 mm**	985	1250	550	30	15x	3x	140.0	**2528088**	1506 XL 2511
18 drawers: **16x type 1, H = 67 mm** **2x type 2, H = 137 mm**	985	1250	550	30	15x	3x	150.0	**2528096**	1506 XL 2810

R 1504 XL L 41



411 518

1504 XL

MOBILE WORKBENCH EXTRA WIDTH

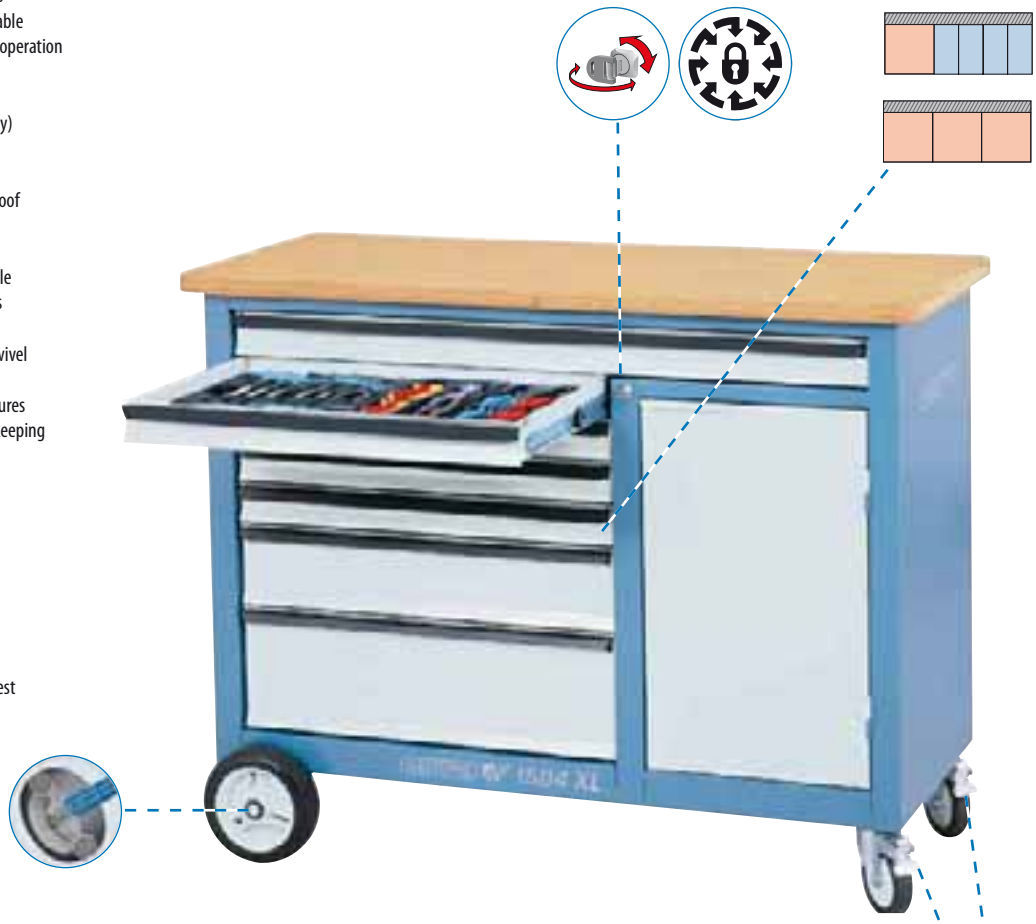
Body:
- Dimensions: H 985 x W 1250 x D 550 mm
- 30 mm thick multiplex beech wood worktop, surface additionally protected by linseed oil varnish
- Large usable storage space with shelf and door
- Heel protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

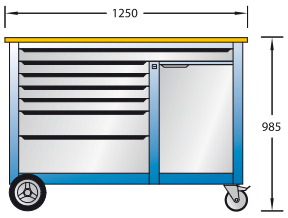
Drawers:
- Central locking with cylinder lock
- 1 XL drawer (W 1055 x D 400), 6 wide drawers (W 640 x D 400 mm) fully extendable, removable
- Each drawer with safety locking, single-hand operation
- Ball-bearing guide rails
- Can be individually equipped with length and crosswide dividers (can be ordered individually)
- Load capacity per drawer 40 kg, bottom heavy-duty drawer 60 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

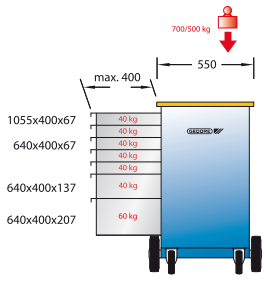
GEDORE High-performance chassis:
- Total load capacity 700 kg, 500 kg when mobile
- 2 high-performance wheels on roller bearings (fixed castors Ø 200 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 125 mm), both with total brake
- The GEDORE trapezoidal axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Accessories:
- 10 length- (LT) and 2 crosswise (QT) dividers from zinc-plated sheet steel

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT or 2005 CT)
- Rear panel R 1504 XL-L can be added
- Further drawer combinations on request
- Special colours and designs available on request
- Delivery without tools and accessories







	H	W	D	mm	LD	CD	kg	Code	No.
7 drawers: **1x type XL, H = 67 mm, W = 1055 mm** **4x type 1, H = 67 mm** **1x type 2, H = 137 mm** **1x type 3, H = 207 mm**	985	1250	550	30	10x	2x	120.0	**1988468**	1504 XL

SL 2013 / SL 3014
SL 1912 / SL 1916
182 · 196
218

MOBILE WORKBENCH

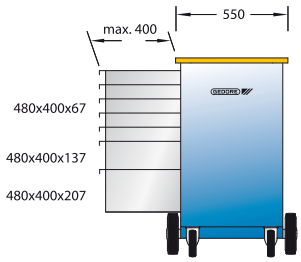
Body:
- Dimensions: H 985 x W 1100 x D 550 mm
- 30 mm thick multiplex beech wood worktop, surface additionally protected by linseed oil varnish
- Large storage space with shelf and door
- Heel protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

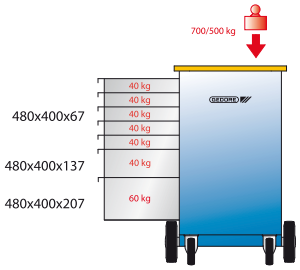
Drawers:
- Central locking with cylinder lock
- Wide drawers (W 480 x D 400 mm) fully extendable, removable
- Each drawer with safety locking, single-hand operation
- Ball-bearing guide rails
- Can be individually equipped with length and crosswide dividers (can be ordered individually)
- Load capacity per drawer 40 kg, bottom heavy-duty drawer 60 kg (apart from no. 1504 1000)
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

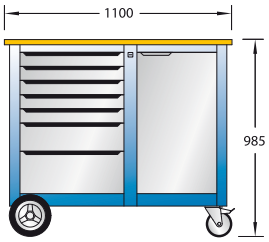
GEDORE High-performance chassis:
- Total load capacity 700 kg, 500 kg when mobile
- 2 high-performance wheels on roller bearings (fixed castors Ø 200 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 125 mm), both with total brake
- The GEDORE trapezoidal axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Accessories:
- 4 distance modules no. 1500 ED-70 K
- Length- (LT) and crosswise (QT) dividers from zinc-plated sheet steel

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Rear panel no. R 1504 L or RT 1504 L can be added
- Further drawer combinations on request
- Special colours and designs available on request
- Delivery without tools and accessories







0321

0701

0810

1000

	Description	H	W	D	LD	CD	kg	Code	No.
7 drawers: **5x type 1, H = 67 mm** **1x type 2, H = 137 mm** **1x type 3, H = 207 mm**	Mobile workbench with 7 drawers	985	1100	550	10x	2x	103.0	**6622830**	1504 0511
7 drawers: **5x type 1, H = 67 mm** **1x type 2, H = 137 mm** **1x type 3, H = 207 mm**	Mobile workbench with 7 drawers and vice	985	1100	550	10x	2x	112.5	**6623050**	1504 0511 S
6 drawers: **3x type 1, H = 67 mm** **2x type 2, H = 137 mm** **1x type 3, H = 207 mm**	Mobile workbench with 6 drawers	985	1100	550	6x	2x	96.0	**1814958**	1504 0321
8 drawers: **7x type 1, H = 67 mm** **1x type 3, H = 207 mm**	Mobile workbench with 8 drawers	985	1100	550	10x	2x	99.0	**1814931**	1504 0701
9 drawers: **8x type 1, H = 67 mm** **1x type 2, H = 137 mm**	Mobile workbench with 9 drawers	985	1100	550	15x	3x	106.0	**1814923**	1504 0810
10 drawers: **10x type 1, H = 67 mm**	Mobile workbench with 10 drawers	985	1100	550	15x	3x	110.0	**1814915**	1504 1000

BR 1504

MOBILE WORKBENCH with self raising rear panel

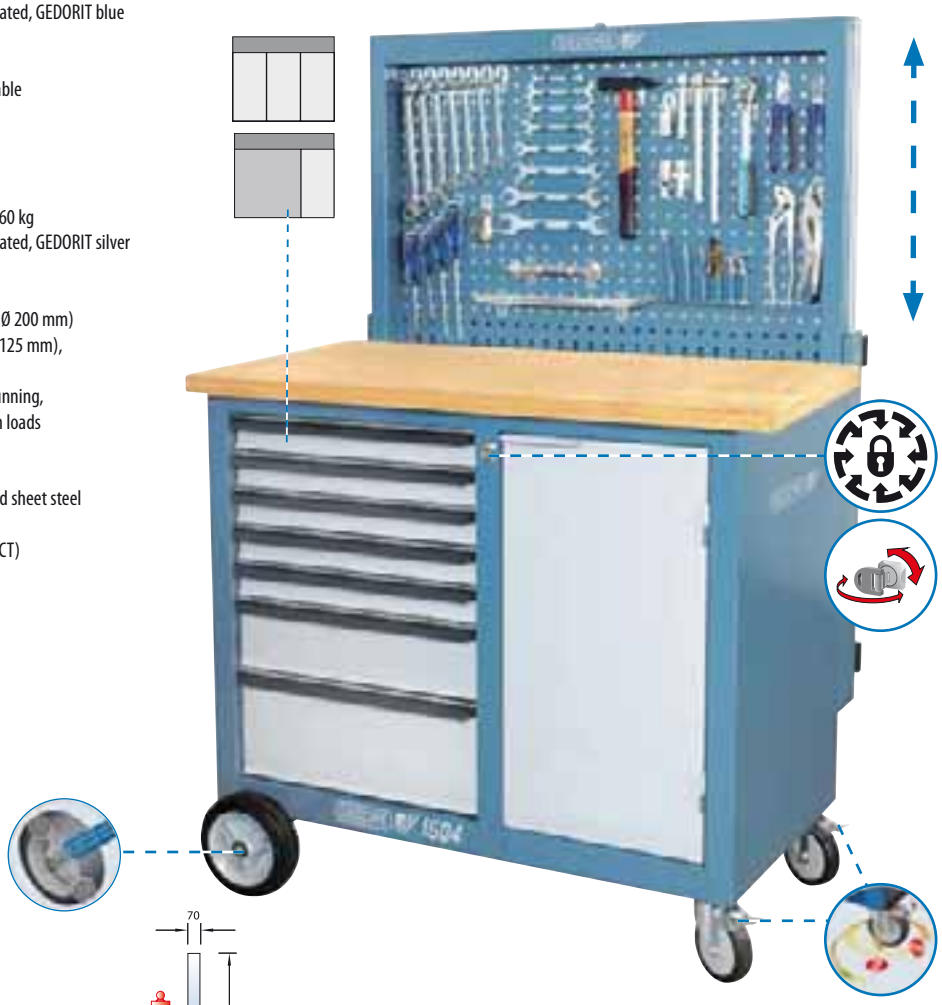
Body:
- Dimensions: H 985 x W 1100 x D 550 mm
- 30 mm thick multiplex beech wood worktop, surface additionally protected by linseed oil varnish
- Large usable storage space with shelf and door
- With rear panel, square perforation 10 x 38 mm to fix hooks and tools, with lowering mechanism, can be raised by 2 gas springs
- Heel protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

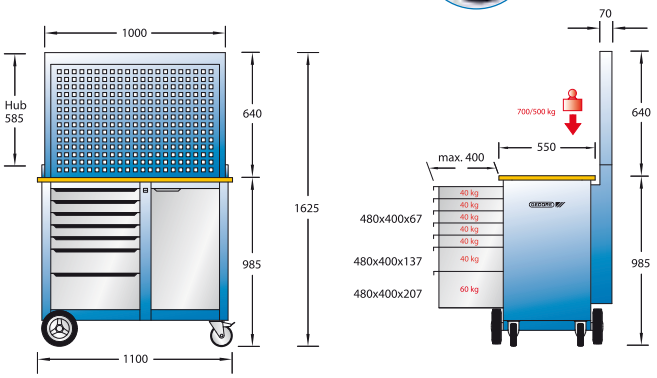
Drawers:
- Central locking with cylinder lock
- Wide drawers (W 480 x D 400 mm) fully extendable, removable
- Each drawer with safety locking, single-hand operation
- Ball-bearing guide rails
- Can be individually equipped with length and crosswide dividers (can be ordered individually)
- Load capacity per drawer 40 kg, bottom heavy-duty drawer 60 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

GEDORE High-performance chassis:
- Total load capacity 700 kg, 500 kg when mobile
- 2 high-performance wheels on roller bearings (fixed castors Ø 200 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 125 mm), both with total brake
- The GEDORE trapezoidal axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Accessories:
- 2 distance modules No. 1500 ED-70 K
- 10 length- (LT) and 2 crosswise (QT) dividers from zinc-plated sheet steel

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Further drawer combinations on request
- Special colours and designs available on request
- Delivery without tools and accessories





Description	H	W	D	mm	LD	CD	kg	Code	No.
Workbench with rear panel	985	1100	550	30	10x	2x	128.0	**6624450**	BR 1504 0511 L
Workbench with rear panel + hook assortment	985	1100	550	30	10x	2x	130.0	**6623990**	BR 1504 0511 LH
Workbench with rear panel + vice	985	1100	550	30	10x	2x	142.5	**6624370**	BR 1504 0511 S

1500 ES / 1500 CT 98 – 113

411 518

BRT 1504

MOBILE WORKBENCH WITH REAR PANEL

Body:
- Dimensions: H 1700 x W 1100 x D 550 mm (without rear panel)
- 30 mm thick multiplex beech wood worktop, surface additionally protected by linseed oil varnish
- Large usable storage space with shelf and door
- Rear panel RT 1504 L with square perforation 10 x 38 mm
- Offers additional storage area and allows quick access to tools and small parts
- Heel protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

Drawers:
- Central locking with cylinder lock
- 7 wide drawers (W 480 x D 550 mm), extendable up to 505 mm, removeable
- Each drawer with safety locking, single-hand operation
- Ball-bearing guide rails
- Can be individually equipped with length and crosswide dividers (can be ordered individually)
- Load capacity per drawer 40 kg, bottom heavy-duty drawer 60 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

GEDORE High-performance chassis:
- Total load capacity 700 kg, 500 kg when mobile
- 2 high-performance wheels on roller bearings (fixed castors Ø 200 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 125 mm), both with total brake
- The GEDORE trapezoidal axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Accessories:
- 4 distance modules No. 1500 ED-70 K
- 10 length- (LT) and 2 crosswise (QT) dividers from zinc-plated sheet steel

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Further drawer combinations on request
- Special colours and designs available on request
- Delivery without tools and accessories

Ill. similar

H	W	D	mm	LD	CD	kg	Code	No.
985	1100	550	30	15x	3x	111.0	**2529912**	BRT 1504

GEDORE INDIVIDUAL ... CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

BR 1500 LH

WORKBENCH WITH TOOL CABINET

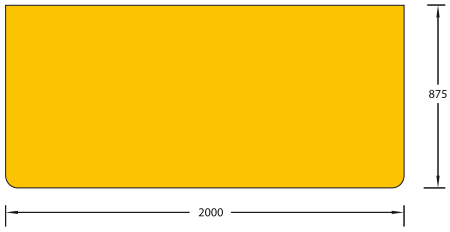
Body workbench:
- Dimensions: H 900 x W 2000 x D 875 mm
- 40 mm thick multiplex beech wood worktop, surface additionally protected by linseed oil varnish
- Large storage space with shutter
- Heel protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

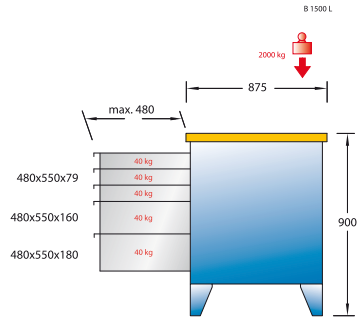
Body cabinet:
- Dimensions: H 890 x W 1810 x D 170 mm
- Shutter with cylinder lock
- Rear panel with square perforation 10 x 38 mm to fix hooks and tools
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue
- Shutter from sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

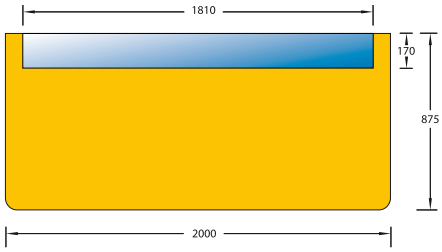
Drawers workbench:
- Separate central locking of drawers and shutter with cylinder locks
- 5 wide drawers (W 480 x D 550 mm), extendable up to 505 mm, removeable
- Ball-bearing guide rails
- Can be individually equipped with length and crosswide dividers (can be ordered individually)
- Load capacity per drawer 40 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver
- Total load capacity (workbench) 2000 kg

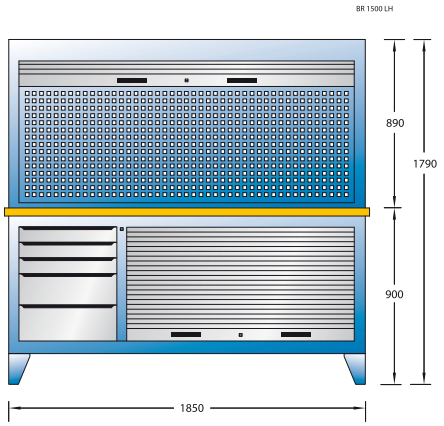
Accessories:
- 85-piece hook assortment 1500 HS 23
- 9 length- (LT) and 9 crosswise (QT) dividers from zinc-plated sheet steel

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Special colours and designs available on request
- Delivery without tools and accessories









Description	H	W	D	mm	LD	CD	kg	Code	No.
Workbench with tool cabinet	1790	2000	875	40	9x	9x	203.7	**6618210**	BR 1500 LH
Workbench without tool cabinet	900	2000	875	40	9x	9x	166.0	**6618050**	B 1500 L
Tool cabinet with blind, empty	890	1810	170				78.0	**6617910**	R 1500 L

1502

MOBILE WORKBENCH

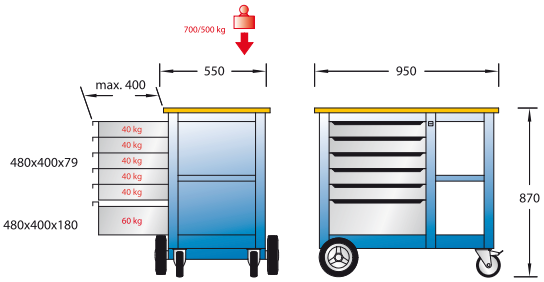
Body:
- Dimensions: H 875 x W 950 x D 550 mm
- 25 mm thick multiplex beech wood worktop, surface additionally protected by linseed oil varnish
- Large, easily-accessible spaces for bulky parts
- Heel protection for your safety
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue

Drawers:
- Central locking with cylinder lock
- 6 wide drawers (W 480 x D 400 mm) fully extendable, removable
- Each drawer with safety locking, single-hand operation
- Ball-bearing guide rails
- Can be individually equipped with length and crosswide dividers (can be ordered individually)
- Load capacity per drawer 40 kg, bottom heavy-duty drawer 60 kg
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

GEDORE High-performance chassis:
- Total load capacity 700 kg, 500 kg when mobile
- 2 high-performance wheels on roller bearings (fixed castors Ø 200 mm)
- 2 smooth running wheels on ball bearings (swivel castors Ø 125 mm), both with total brake
- The GEDORE trapezoidal axle construction secures smooth running, manoeuvrability and track-keeping also in case of maximum loads

Accessories:
- 2 distance modules No. 1500 ED-70 K
- 10 length- (LT) and 2 crosswise (QT) dividers from zinc-plated sheet steel

Options:
- Can be equipped with GEDORE tool modules (1500 ES/1500 CT)
- Special colours and designs available on request
- Delivery without tools and accessories



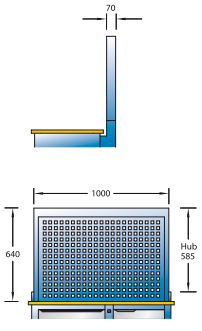
Description	H	W	D	mm	LD	CD	kg	Code	No.
Mobile workbench	870	950	550	25	10x	2x	78.0	**6620540**	1502
Mobile workbench with vice	870	950	550	25	10x	2x	85.0	**6620620**	1502 S

ACCESSORIES FOR WORKBENCHES

R 1504 L

REAR PANEL

- Can be attached to workbench 1504 or 1505
- Automatically raised by two gas springs, lockable with cylinder lock
- Neat arrangement of tools
- Square perforation 10 x 38 mm
- Dimensions: H 640 x W 1000 x D 70 mm
- GEDORIT blue
- Execution LH with hook assortment No. 1504 HG



Description	H	W	D	kg	Code	No.
Rear panel empty	640	1000	70	28.0	**6623800**	R 1504 L
Rear panel empty with hook assortment	640	1000	70	30.0	**6624020**	R 1504 LH

RT 1504 L

REAR PANEL BOARD

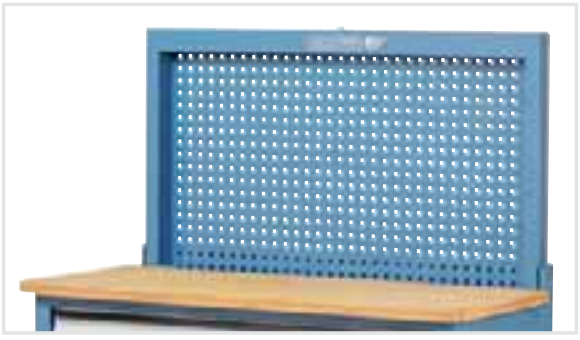
- Can be attached to workbenches 1504 and 1505
- Square perforation 10 x 38 mm
- GEDORIT blue
- Including attachment material

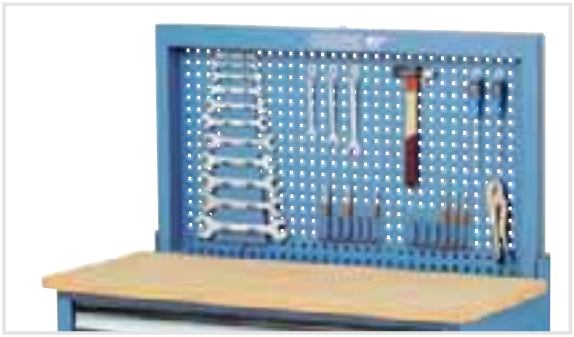
H	W	D	kg	Code	No.
715	1025	30	5.0	**2477025**	RT 1504 L

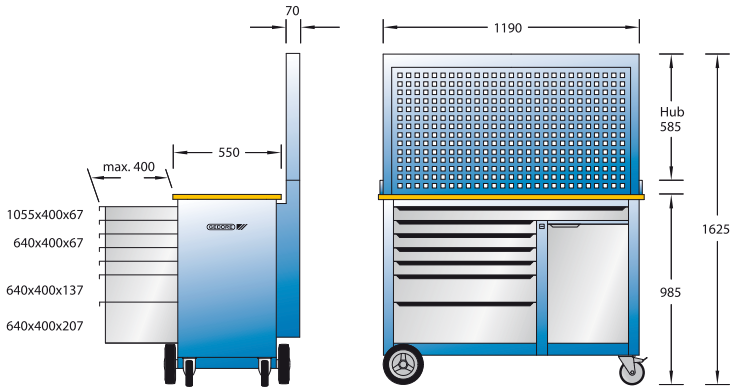
R 1504 XL-L

REAR PANEL

- Can be attached to workbench 1504 XL, 1506 XL
- Automatically raised by two gas springs, lockable with cylinder lock
- Neat arrangement of tools
- Square perforation 10 x 38 mm
- Dimensions: H 640 x W 1190 x D 70 mm
- GEDORIT blue
- Execution LH with hook assortment No. 1504 HS







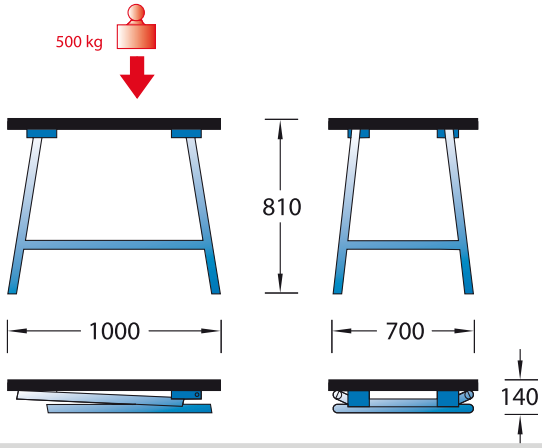
Description	H	W	D	kg	Code	No.
Rear panel empty	640	1190	70	29.0	**2251787**	R 1504 XL-L
Rear panel empty with hook assortment	640	1190	70	31.0	**2251795**	R 1504 XL-LH

FOLDING WORKBENCH

B 1525

FOLDING WORKBENCH

- **Body:**
- Dimensions: H 810 x W 1000 x D 700/140 mm
- Strong beech wood worktop with zinc-plated steel edge protector - corrosion resistant
- Stable folding, space-saving and mobile
- **GEDORE Base:**
- Total load capacity 500 kg
- Steel tube, corrosion resistant and scratch-proof powder-coated, GEDORIT blue
- Delivery without tools and accessories



H	W	D	mm	kg	Code	No.
810	1000	700	30	32.0	**6622910**	B 1525

TOOL CABINETS

1400 L

TOOL CABINET

Body:
- Dimensions: H 970 x W 650 x D 250 mm
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue
- With storage and fixed tool holders, e.g. for set S 1400
- With loose modules for sockets, ratchets, extensions, etc.

Doors:
- Central locking with cylinder lock

Drawers:
- 2 drawers (W 478 x D 210 x H 46 mm)
- 1 drawer (W 478 x D 210 x H 72 mm)
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

Options:
- Special colours and designs available on request
- Delivery without tools and accessories

H	W	D	kg	Code	No.
970	650	250	33.0	**6612600**	1400 L

1401 L

TOOL CABINET

Body:
- Dimensions: H 970 x W 650 x D 250 mm
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue
- Doors and body with square perforation 10 x 38 mm to fix hooks
- With storage and fixed tool holders, e.g. for set S 1400
- With loose modules for sockets, ratchets, extensions, etc.

Doors:
- Central locking with cylinder lock

Drawers:
- 2 drawers (W 478 x D 210 x H 46 mm)
- 1 drawer (W 478 x D 210 x H 72 mm)
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

Options:
- Special colours and designs available on request
- Delivery without tools and accessories

Compilation	H	W	D	kg	Code	No.
Cabinet empty	970	650	250	39.0	**5610610**	1401 L
Cabinet 1401 L	970	650	250	34.0	**6611550**	1401 LH
+ hook assortment 1500 HS 11						

R 1500 L

TOOL CABINET

- Suitable as workbench top

Body:
- Dimensions: H 890 x W 1810 x D 170 mm
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT blue
- Rear wall with square perforation 10 x 38 mm to fix hooks

Shutter:
- Central locking with cylinder lock
- Sheet steel, corrosion resistant and scratch-proof powder-coated, GEDORIT silver

Options:
- Special colours and designs available on request
- Delivery without tools and accessories

Compilation	H	W	D	kg	Code	No.
Cabinet empty	890	1810	170	78.0	**6617910**	R 1500 L
Cabinet R 1500 L + hook assortment 1500 HS 23	890	1810	170	81.2	**6619100**	R 1500 LH

ACCESSORIES TOOL TROLLEYS / WORKBENCHES

1500 BL

LIGHT STRIP FOR TOOL TROLLEYS

- Light strip to provide ideal illumination of drawers, particularly on GEDORE tool trolleys, tool boxes and workbenches
- A magnetic strip securely attaches the lighting to the trolley body
- Positioned above the drawers, the ten powerful LEDs illuminate the opened drawers
- This makes it easier to locate the right tool in dark or low lighting conditions, preventing the risk of cuts from chisels, knives or saw blade
- The light strip is also suitable for use on folding back panels and tool chests
- Easy battery change (three AAA batteries)
- LED technology for low power consumption and long life
- DBGM (German utility patent)
- The light strip can be used with the following GEDORE products: 2004, 2005, 2430, 2500, 3010, 2525, 2535, 3000, 1504, 1502, 1504 XL, 1506 XL, R 1504 L, R 1504 XL-L, 1505, B 1500 L, R 1500 L, 1400 L, 1401 L

⊢mm⊣	kg	Code	No.
430	0.280	**2247542**	1500 BL

1500 H 16

SMALL-PARTS DRAWER FOR TOOL TROLLEYS

- To place on top of existing drawers of tool trolleys, additional surface to place small parts
- Suitable for tool trolleys and workbenches in combination with modules 1500 ES/1500 CT: 2500, 3000, B 1500 L, 1502, 1504, 1505, 1506 XL
- Suitable for tool trolleys and workbenches without using modules 1500 ES/1500 CT: 1580, 2000, 3010
- Tool trolley 2004: suitable for drawer height 137 and 207 mm, for 67 mm not in combination with 1500 ES/1500 CT
- Delivery without decoration

kg	Code	No.
0.644	**1761129**	1500 H 16

1500 H 13

ANTI-SLIP MAT Products sold by the metre

- For all drawers in GEDORE tool trolleys and workbenches
- Various areas of application: Workshop, household, car, spare time...
- Enormous slip resistance on many different surfaces
- Can be cut to size
- Resistant to temperatures from -30 °C to +100 °C
- Melting point approx. +250 °C
- Flame resistant
- Resistant to chemicals
- Shock- and noise absorbing
- Dimensions: W 475 x L 2000 mm

L m	W	kg	Code	No.
2	475	0.540	**5790250**	1500 H 13

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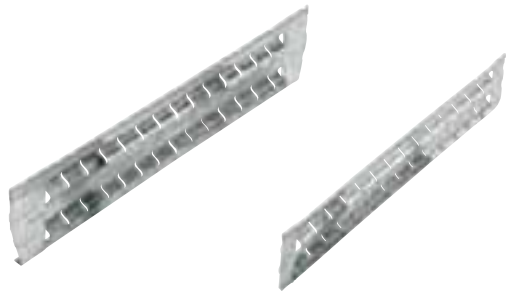
CHECK COAT FORGE MOD RAL SIZE

DRAWER PARTITIONS

E-1500 - E-3000

LENGTHWISE DIVIDER slotted

- In three different heights
- In seven different lengths for varying drawer depths
- In zinc-plated sheet steel



H	L	for use with	kg	Code	No.
42	317	1580, 2000, 3010	0.136	**5325840**	E-1580/14
60	320	2500 (1-7), 1431 (1), 1430	0.190	**5326570**	E-2500/62
60	346	3000 (1-6)	0.204	**5325920**	E-3000/36
60	395	2005, 1504 XL (type 1), 1506 XL (type 1), 2430	0.235	**1886932**	E-2005 KL/42
60	397	1502 (1-5), 1504 (1-6), 2003 (1-6), 2004 (type 1)	0.208	**5326490**	E-1504 KL/57
60	548	B 1500 (1-3), 1505 (1-3)	0.312	**5315880**	E-B 1500/38

E-2005 CT

LENGTHWISE DIVIDER without slots

- To fix the modules 2005 CT2

H	kg	Code	No.
40	0.248	**2104601**	E-2005 CT H-40

www.gedore.com

E-1580

CROSSWISE DIVIDER

- Usage: 1580, 2000, 3010
- In three different lengths, to fit the lengthwise dividers
- In zinc-plated sheet steel

L	H	kg	Code	No.
40	40	0.012	**1394878**	E-1580/11-40
80	40	0.024	**5325760**	E-1580/11-80
120	40	0.036	**5326140**	E-1580/11-120

E-3000

CROSSWISE DIVIDER

- Usage: 1430, 1431 (1), B 1500 (1-3), 1502 (1-5), 1504 (1-6), 1504 XL, 1505 (1-3), 1506 XL (type 1), 2004 (type 1), 2005 (type 1), 2430, 2500 (1-7), 3000
- In zinc-plated sheet steel

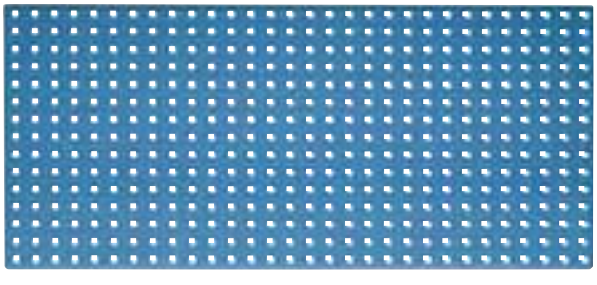
L	H	kg	Code	No.
80	55	0.035	**5326060**	E-3000/37-80
120	55	0.050	**5326220**	E-3000/37-120

TOOL PANELS

1450 L

TOOL PANEL

- Proposed tool assortment serves as the basic equipment for workshop, garage or hobby
- Further panels can be added in either direction, with special spacers for wall fitting
- Made from solid sheet steel 1.5 mm thick, all 4 edges are bevelled
- Square perforation 10 x 38 mm
- Dimensions: L 1000 x H 500 mm
- In GEDORIT blue
- Tools not supplied



L	H	kg	Code	No.
1000	500	5.5	**5617110**	1450 L

TOOL HOLDERS / TOOL HOOKS

Suitable for GEDORE tool trolleys and panels with square perforation 10 x 38 mm

1500 H 0

TOOL HOOK straight mandrel

- Ø 4 mm especially suitable for GEDORE screwdrivers with hanging hole
- Suitable for perforated panels with square perforation 10 x 38 mm
- Zinc-plated

mm	Ø	kg	Code	No.
50	4	0.028	**5803410**	1500 H 0-50

1500 H 1

TOOL HOOK inclined hook end

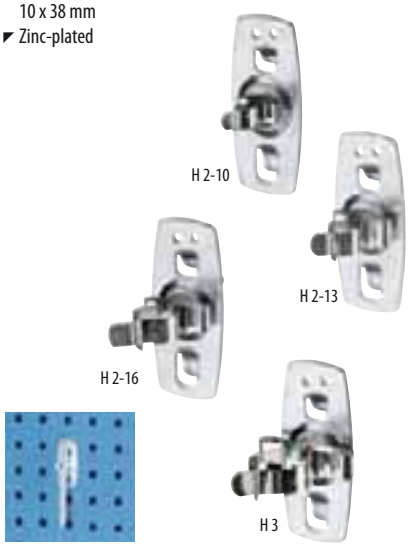
- Suitable for perforated panels with square perforation 10 x 38 mm
- Zinc-plated

mm	Ø	kg	Code	No.
50	4	0.028	**5803680**	1500 H 1-50

1500 H 2 - 1500 H 3

SPRING CLAMP

- Suitable for perforated panels with square perforation 10 x 38 mm
- Zinc-plated



mm	Ø	kg	Code	No.
31	10-12	0.025	**2008351**	1500 H 2-10
31	12-16	0.026	**5803760**	1500 H 2-13
31	16-18	0.027	**2008378**	1500 H 2-16
44	23-29	0.028	**5803840**	1500 H 3

1500 H 4

BASE PLATE

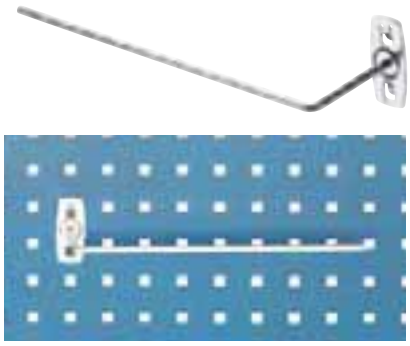
- With M6 thread for universal fixing
- Suitable for perforated panels with square perforation 10 x 38 mm
- Zinc-plated

kg	Code	No.
0.026	**1446185**	1500 H 4

1500 H 5

PAPER ROLL HOLDER

- Suitable for perforated panels with square perforation 10 x 38 mm



mm	Ø	kg	Code	No.
250	6	0.094	**5798660**	1500 H 5

1500 H 8

HOLDER

- Suitable for perforated panels with square perforation 10 x 38 mm

W	Ø	kg	Code	No.
456	5	0.150	**5792460**	1500 H 8

1500 H 9

TRAY

- A handy place to keep tools that are needed constantly
- Suitable for perforated panels with square perforation 10 x 38 mm
- 1500 H 9-75 can be fitted in connection with door element 3000 H 14

W	H	D	kg	Code	No.
456	50	75	0.854	**1446924**	1500 H 9-75
456	50	100	0.854	**5792540**	1500 H 9-100

1500 H 10

TRAY

- With four partitions, for often-needed small parts
- Suitable for perforated panels with square perforation 10 x 38 mm

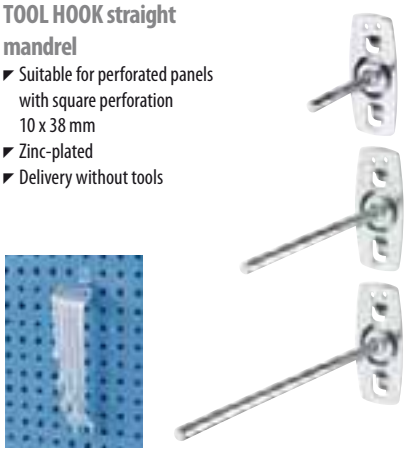
W	H	D	kg	Code	No.
456	50	100	0.840	**5792620**	1500 H 10-100

3000 TANTO 24

1500 H 18

TOOL HOOK straight mandrel

- Suitable for perforated panels with square perforation 10 x 38 mm
- Zinc-plated
- Delivery without tools



mm	Ø	kg	Code	No.
50	6	0.034	**2008386**	1500 H 18-50
100	6	0.046	**2008394**	1500 H 18-100
150	6	0.056	**2008408**	1500 H 18-150

1500 H 19

TOOL HOLDER double, straight mandrel

- Suitable for perforated panels with square perforation 10 x 38 mm
- Zinc-plated
- Delivery without tools

mm	Ø	kg	Code	No.
50	6	0.074	**2008416**	1500 H 19-50
100	6	0.098	**2008424**	1500 H 19-100
150	6	0.118	**2008432**	1500 H 19-150

1500 H 20

TOOL HOLDER vertical hook end

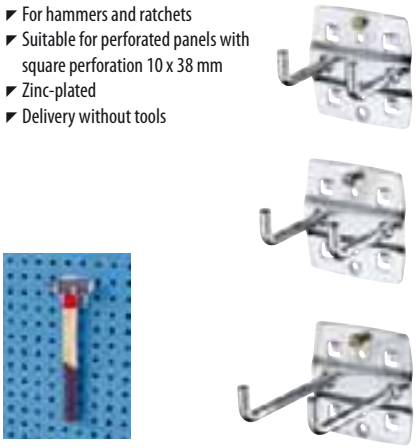
- Suitable for perforated panels with square perforation 10 x 38 mm
- Zinc-plated
- Delivery without decoration

mm	Ø	kg	Code	No.
35	6	0.034	**1879162**	1500 H 20-35
75	6	0.046	**2008440**	1500 H 20-75
135	6	0.056	**2008459**	1500 H 20-135

1500 H 21

TOOL HOLDER double, vertical hook end

- For hammers and ratchets
- Suitable for perforated panels with square perforation 10 x 38 mm
- Zinc-plated
- Delivery without tools



mm	Ø	kg	Code	No.
35	6	0.076	**2008475**	1500 H 21-35
50	6	0.080	**1879170**	1500 H 21-50
75	6	0.090	**2008483**	1500 H 21-75

1500 H 22

TOOL HOLDER for pliers

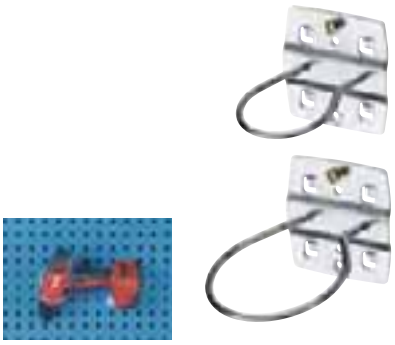
- Suitable for perforated panels with square perforation 10 x 38 mm
- Zinc-plated
- Delivery without tools

W	D	kg	Code	No.
35	20	0.062	**2008491**	1500 H 22-35
55	20	0.066	**1879189**	1500 H 22-55

1500 H 23

MACHINE HOLDER FOR BATTERY SCREWDRIVER

- Suitable for perforated panels with square perforation 10 x 38 mm
- Zinc-plated
- Delivery without tools

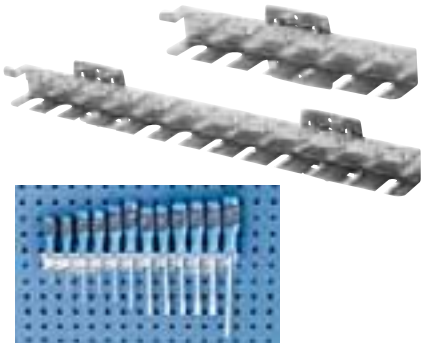


Ø	kg	Code	No.
40	0.068	**2008513**	1500 H 23-40
60	0.060	**1879197**	1500 H 23-60

1500 H 24

TOOL HOLDER for screwdrivers

- Suitable for perforated panels with square perforation 10 x 38 mm
- Powder-coated
- Delivery without tools



Execution	kg	Code	No.
for 6 pieces	0.100	**1879200**	1500 H 24-6
for 12 pieces	0.400	**2008548**	1500 H 24-12

1500 H 25-3

TOOL HOLDER for 3 cans

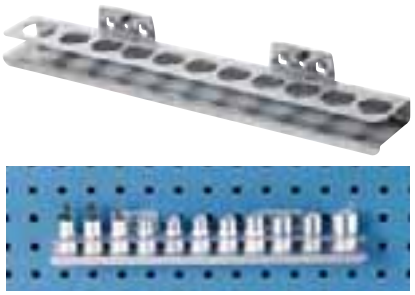
- Suitable for perforated panels with square perforation 10 x 38 mm
- Powder-coated
- Delivery without decoration

W	Ø	kg	Code	No.
300	70	0.600	**1879219**	1500 H 25-3

1500 H 27

SOCKET HOLDER

- With 11 holes
- Hole diameter 10x 25 mm and 1x 27.5 mm
- Suitable for perforated panels with square perforation 10 x 38 mm
- Powder-coated
- Delivery without tools



W	H	D	kg	Code	No.
352	60	54	0.500	**1920634**	1500 H 27

1500 H 28

SHELF

- Suitable for perforated panels with square perforation 10 x 38 mm
- Powder-coated

W	H	D	kg	Code	No.
496	168	303	3.000	**1933191**	1500 H 28

1500 H 29

TOOL HOOK indined hook end

- Suitable for perforated panels with square perforation 10 x 38 mm
- Zinc-plated
- Delivery without tools

mm	Ø	kg	Code	No.
50	6	0.034	**2008572**	1500 H 29-50
100	6	0.046	**2008580**	1500 H 29-100

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1500 H 30

TOOL HOOK for sockets

- Suitable for perforated panels with square perforation 10 x 38 mm
- Zinc-plated

L_1	L_2	Ø	kg	Code	No.
15	40	6	0.034	**2008599**	1500 H 30

1500 H 31

ROUND HOLDER

- Suitable for perforated panels with square perforation 10 x 38 mm
- Zinc-plated
- Delivery without tools

W	L	kg	Code	No.
27	65	0.068	**2008602**	1500 H 31

1500 H 33

TUBE HOLDER

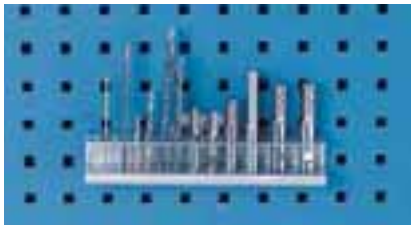
- Suitable for perforated panels with square perforation 10 x 38 mm
- Hook width 35 mm
- Powder-coated
- Delivery without decoration

W	H	D	Ø	kg	Code	No.
58	67	74	60	0.114	**2008629**	1500 H 33-60
58	96	114	100	0.156	**2008637**	1500 H 33-100

1500 H 34-14

DRILL-BIT HOLDER for 14 pieces

- Suitable for perforated panels with square perforation 10 x 38 mm
- With 14 holes, diam.: 2 ea. 3.0 4.2 6.5 7.5 8.5 16.5 mm, 1 ea. 10.5 12.5 mm
- Powder-coated
- Delivery without tools

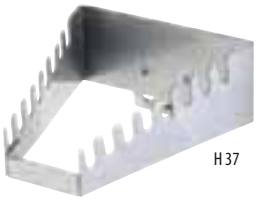


W	H	D	kg	Code	No.
200	60	37	0.200	**2008645**	1500 H 34-14

1500 H 37 - 1500 H 38

SPANNER HOLDER

- Suitable for perforated panels with square perforation 10 x 38 mm
- No. **1500 H 37**: for 8 spanners, suitable for no. 1 B, 2, 4, 6, 7, 7 R, 7 UR
- No. **1500 H 38**: for 10 spanners, suitable for no. 2, 6
- Powder-coated
- Delivery without tools



H 37

H 38

W	H	D	kg	Code	No.
124	66	145	0.220	**2008696**	1500 H 37
75-147	227	60	0.400	**1920626**	1500 H 38

1500 H 39

TOOL HOLDER for pliers

- Suitable for perforated panels with square perforation 10 x 38 mm
- Zinc-plated
- Delivery without tools

kg	Code	No.
0.065	**2656582**	1500 H 39

VS 19 H

TOOL TRAY

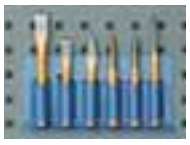
- For sockets
- Suitable for perforated panels with square perforation 10 x 38 mm
- Dimensions: W 570 x D 25-45 mm
- In sheet steel, GEDORIT blue

W	D	kg	Code	No.
570	25-45	0.550	**5152640**	VS 19 H

VS 245 H

CHISEL HOLDER EMPTY

- For 6 chisels
- Suitable for perforated panels with square perforation 10 x 38 mm
- Dimensions: W 195 x H 95 x D 22 mm
- In sheet steel, GEDORIT blue



W	H	D	kg	Code	No.
195	95	22	0.300	**5456270**	VS 245 H

VS 1582

STORAGE TRAY

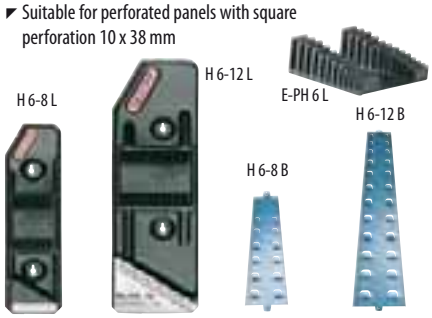
- Suitable for perforated panels with square perforation 10 x 38 mm

W	H	D	kg	Code	No.
320	50	150	1.016	**5150000**	VS 1582-1
320	100	90	1.118	**5150270**	VS 1582-3

H 6

HOLDER

- For double open ended spanner sets no. 6
- Suitable for perforated panels with square perforation 10 x 38 mm



Description	W	H	D	kg	Code	No.
Sheet metal holder, empty for 8 spanners no. 6	390	140	15	0.372	**5079110**	H 6-8 B
Sheet metal holder, empty for 12 spanners no. 6	600	170	15	0.655	**5079540**	H 6-12 B
Plastic holder, empty for 8 spanners no. 6	250	70	57	0.154	**5070080**	H 6-8 L
Plastic holder, empty for 12 spanners no. 6	325	100	57	0.270	**5070160**	H 6-12 L
Plastic holder, empty for 8 spanners no. 6				0.018	**5073930**	E-PH 6-8 L
Plastic holder, empty for 12 spanners no. 6				0.038	**5074070**	E-PH 6-12 L

1500 HS

HOOK ASSORTMENT

◤ Suitable for perforated panels with square perforation 10 x 38 mm

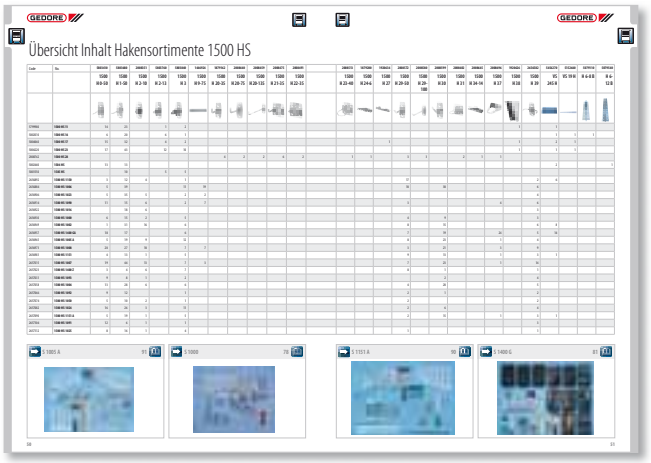
Contents	kg	Code	No.
14x 1500 H 0-50 **23x 1500 H 1-50** **1x 1500 H 2-13** **2x 1500 H 3** **1x 1500 H 38** **1x VS 245 H**	2.680	**5799980**	1500 HS 11
6x 1500 H 0-50 **20x 1500 H 1-50** **6x 1500 H 2-13** **1x 1500 H 3** **1x VS 245 H** **1x VS 19 H** **1x H 6-8 B**	2.388	**5802010**	1500 HS 14
15x 1500 H 0-50 **32x 1500 H 1-50** **4x 1500 H 2-13** **2x 1500 H 3** **1x 1500 H 27** **1x 1500 H 38** **2x VS 245 H** **1x VS 19 H**	3.514	**5804060**	1500 HS 17
17x 1500 H 0-50 **43x 1500 H 1-50** **12x 1500 H 2-13** **10x 1500 H 3** **1x 1500 H 38** **1x VS 245 H** **1x VS 19 H**	4.958	**5804220**	1500 HS 23
4x 1500 H 20-35 **2x 1500 H 20-75** **2x 1500 H 20-135** **6x 1500 H 21-35** **2x 1500 H 22-35** **1x 1500 H 23-40** **1x 1500 H 24-6** **3x 1500 H 29-50** **3x 1500 H 29-100** **2x 1500 H 31** **1x 1500 H 34-14** **1x 1500 H 37**	1.768	**2008742**	1500 HS 28
13x 1500 H 0-50 **13x 1500 H 1-50** **2x VS 245 H** **1x H 6-12 B**	1.958	**5802440**	1504 HS
10x 1500 H 1-50 **5x 1500 H 2-13** **5x 1500 H 3**	0.654	**5801550**	1585 HS
6x 1500 H 0-50 **15x 1500 H 1-50** **2x 1500 H 2-10** **5x 1500 H 3** **4x 1500 H 29-50** **9x 1500 H 30** **3x 1500 H 39**	1.109	**2656930**	1500 HS-1000
1x 1500 H 0-50 **31x 1500 H 1-50** **16x 1500 H 2-10** **6x 1500 H 3** **8x 1500 H 29-50** **15x 1500 H 30** **6x 1500 H 39** **8x VS 245 H**	4.526	**2656949**	1500 HS-1002
13x 1500 H 0-50 **28x 1500 H 1-50** **6x 1500 H 2-10** **6x 1500 H 3** **4x 1500 H 29-50** **20x 1500 H 30** **5x 1500 H 39**	1.927	**2657058**	1500 HS-1004
5x 1500 H 0-50 **19x 1500 H 1-50** **9x 1500 H 2-10** **12x 1500 H 3** **8x 1500 H 29-50** **23x 1500 H 30** **1x 1500 H 37** **4x 1500 H 39**	1.985	**2656965**	1500 HS-1005 A
5x 1500 H 0-50 **39x 1500 H 1-50** **11x 1500 H 3** **19x 1500 H 9-75** **10x 1500 H 29-50** **30x 1500 H 30** **6x 1500 H 39**	19.516	**2656884**	1500 HS-1006
19x 1500 H 0-50 **44x 1500 H 1-50** **13x 1500 H 2-10** **7x 1500 H 3** **3x 1500 H 9-75** **7x 1500 H 29-50** **23x 1500 H 30** **1x 1500 H 37** **14x 1500 H 39**	6.215	**2657015**	1500 HS-1007
20x 1500 H 0-50 **27x 1500 H 1-50** **10x 1500 H 2-10** **7x 1500 H 3** **7x 1500 H 9-75** **3x 1500 H 29-50** **21x 1500 H 30** **3x 1500 H 37** **9x 1500 H 39**	9.087	**2656973**	1500 HS-1008
18x 1500 H 1-50 **6x 1500 H 2-10** **3x 1500 H 39**	0.849	**2656922**	1500 HS-1016
5x 1500 H 0-50 **35x 1500 H 1-50** **5x 1500 H 2-10** **2x 1500 H 3** **2x 1500 H 9-75** **4x 1500 H 39**	3.269	**2656906**	1500 HS-1023
16x 1500 H 0-50 **26x 1500 H 1-50** **3x 1500 H 2-10** **11x 1500 H 3** **2x 1500 H 29-50** **6x 1500 H 30** **4x 1500 H 39**	1.887	**2657082**	1500 HS-1024
8x 1500 H 0-50 **16x 1500 H 1-50** **1x 1500 H 2-10** **4x 1500 H 3** **1x 1500 H 29-50** **1x 1500 H 39**	0.908	**2657112**	1500 HS-1025
5x 1500 H 0-50 **10x 1500 H 1-50** **2x 1500 H 2-10** **1x 1500 H 3** **2x 1500 H 29-50** **2x 1500 H 39**	0.696	**2657074**	1500 HS-1050
11x 1500 H 0-50 **15x 1500 H 1-50** **6x 1500 H 2-10** **2x 1500 H 3** **7x 1500 H 9-75** **3x 1500 H 29-50** **4x 1500 H 37** **6x 1500 H 39**	8.284	**2656914**	1500 HS-1090

Contents	kg	Code	No.
9x 1500 H 0-50 **8x 1500 H 1-50** **1x 1500 H 2-10** **2x 1500 H 3** **2x 1500 H 30** **4x 1500 H 39**	0.817	**2657031**	1500 HS-1093
3x 1500 H 0-50 **12x 1500 H 1-50** **4x 1500 H 2-10** **1x 1500 H 3** **17x 1500 H 29-50** **2x 1500 H 39** **6x VS 245 H**	3.056	**2656892**	1500 HS-1150
4x 1500 H 0-50 **13x 1500 H 1-50** **1x 1500 H 2-10** **5x 1500 H 3** **9x 1500 H 29-50** **13x 1500 H 30** **1x 1500 H 37** **3x 1500 H 39** **1x VS 245 H**	1.662	**2656981**	1500 HS-1151
5x 1500 H 0-50 **19x 1500 H 1-50** **1x 1500 H 2-10** **5x 1500 H 3** **2x 1500 H 29-50** **15x 1500 H 30** **1x 1500 H 37** **3x 1500 H 39** **1x VS 245 H**	1.620	**2657090**	1500 HS-1151 A
3x 1500 H 0-50 **5x 1500 H 1-50** **6x 1500 H 2-10** **7x 1500 H 3** **8x 1500 H 29-50** **1x 1500 H 30** **1x 1500 H 39**	0.907	**2657023**	1500 HS-1400 Z

OVERVIEW CONTENTS HOOK ASSORTMENTS 1500 HS

50 – 51

Please refer to the overview chart on page 50 - 51 for detailed information



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Overview Contents Hook Assortments 1500 HS

Code	No.	5803410	5803680	2008351	5803760	5803840	1446924	1879162	2008440	2008459	2008475	2008491
		1500 H 0-50	1500 H 1-50	1500 H 2-10	1500 H 2-13	1500 H 3	1500 H 9-75	1500 H 20-35	1500 H 20-75	1500 H 20-135	1500 H 21-35	1500 H 22-35
5799980	**1500 HS 11**	14	23		1	2						
5802010	**1500 HS 14**	6	20		6	1						
5804060	**1500 HS 17**	15	32		4	2						
5804220	**1500 HS 23**	17	43		12	10						
2008742	**1500 HS 28**							4	2	2	6	2
5802440	**1504 HS**	13	13									
5801550	**1585 HS**		10		5	5						
2656892	**1500 HS-1150**	3	12	4		1						
2656884	**1500 HS-1006**	5	39			11	19					
2656906	**1500 HS-1023**	5	35	5		2	2					
2656914	**1500 HS-1090**	11	15	6		2	7					
2656922	**1500 HS-1016**		18	6								
2656930	**1500 HS-1000**	6	15	2		5						
2656949	**1500 HS-1002**	1	31	16		6						
2656957	**1500 HS-1400 GA**	18	17			6						
2656965	**1500 HS-1005 A**	5	19	9		12						
2656973	**1500 HS-1008**	20	27	10		7	7					
2656981	**1500 HS-1151**	4	13	1		5						
2657015	**1500 HS-1007**	19	44	13		7	3					
2657023	**1500 HS-1400 Z**	3	4	6		7						
2657031	**1500 HS-1093**	9	8	1		2						
2657058	**1500 HS-1004**	13	28	6		6						
2657066	**1500 HS-1092**	9	12			1						
2657074	**1500 HS-1050**	5	10	2		1						
2657082	**1500 HS-1024**	16	26	3		11						
2657090	**1500 HS-1151 A**	5	19	1		5						
2657104	**1500 HS-1091**	12	6	1		1						
2657112	**1500 HS-1025**	8	16	1		4						

S 1005 A 91

S 1000 78

2008513	1879200	1920634	2008572	2008580	2008599	2008602	2008645	2008696	1920626	2656582	5456270	5152640	5079110	5079540
1500 H 23-40	1500 H 24-6	1500 H 27	1500 H 29-50	1500 H 29-100	1500 H 30	1500 H 31	1500 H 34-14	1500 H 37	1500 H 38	1500 H 39	VS 245 H	VS 19 H	H 6-8 B	H 6-12 B
									1		1			
											1	1	1	
		1							1		2	1		
									1		1	1		
1	1		3	3		2	1	1						
											2			1
			17							2	6			
			10		30					6				
										4				
			3					4		6				
										3				
			4		9					3				
			8		15					6	8			
			7		19			24		5	14			
			8		23			1		4				
			3		21			3		9				
			9		13			1		3	1			
			7		23			1		14				
			8		1					1				
					2					4				
			4		20					5				
			2		1					2				
			2							2				
			2		6					4				
			2		15			1		3	1			
										3				
			1							1				

S 1151 A 90

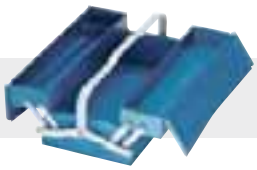
S 1400 G 81

Technical Symbols

- Weight (total)
- Square drive (external): 6,3 (1/4"), 10 (3/8"), 12,5 (1/2"), 20 (3/4"), 1" (25)
- Hexagon drive (external): 6,3 (1/4"), 8 (5/16")
- Slotted
- Cross-head PH
- Cross-head Pozi PZ
- Hexagon internal
- External hexagon
- Unit Drive hexagon
- Unit Drive bi-hexagon
- Internal-TORX®
- Internal TORX® with pilot
- VDE Test Symbol (Tools)
- 1000 V — For working in voltage areas up to 1000 V
- Cutting edge with bevel
- Flat-round jaws
- GS Seal of tested quality
- new
- Catalogue page

Mobile Tool Storage

Tool Boxes 54 – 55



Tool Chests 56 – 57

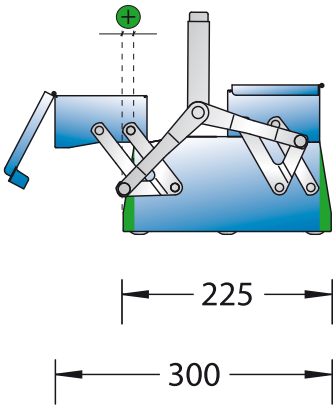
Tool Cases / Roller Tool Cases 58 – 59

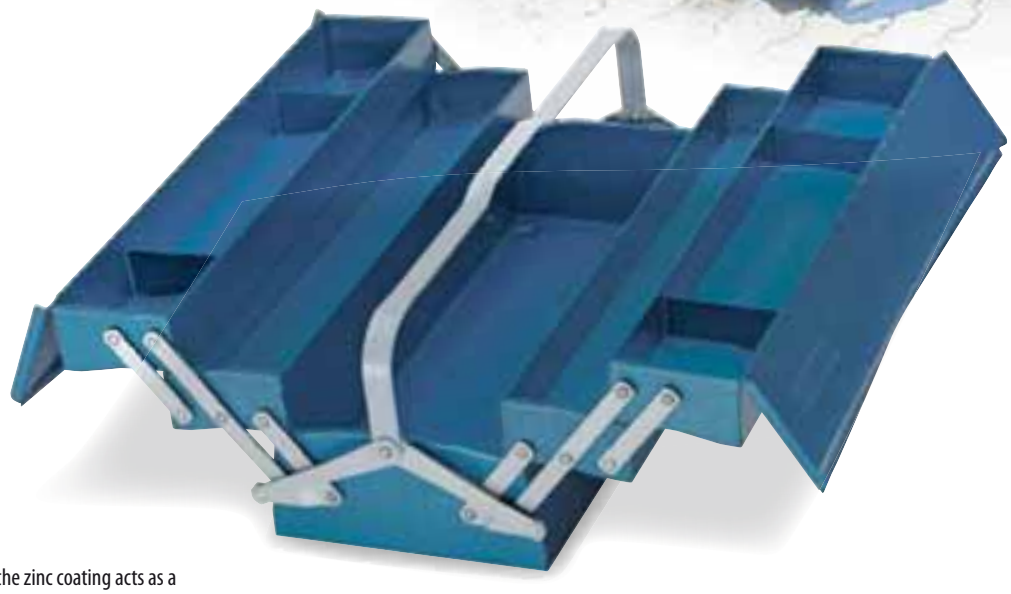
GEDORE SORTIMO® Service / Features 60 – 61

GEDORE SORTIMO® 62 – 69

Tool boxes

- With riveted joins
- Compartments to be fully pulled out
- Great stability even if only one side is opened
- Made from sheet steel, in GEDORIT blue





Made of electrolytically zinc-plated sheet steel and therefore suitable for outdoors

As the zinc coating acts as a sacrificial anode, it protects should the other protective coating become damaged

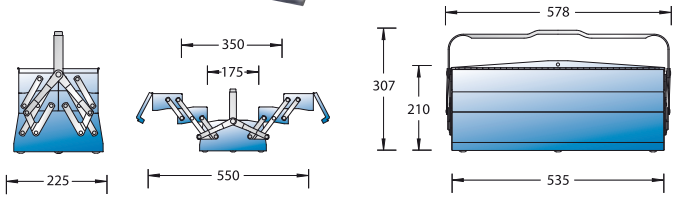
Optimum corrosion-proofing achieved with two protective coats, zinc and powder coating

- The GEDORE PLUS for (stand) safety - especially with a one-sided pull-out
- The GEDORE PLUS for storage space as against the traditional design

1335 L

TOOL BOX 5 compartments, long pattern

- With riveted joins
- Compartments to be fully pulled out
- Great stability even if only one side is opened
- GEDORIT blue powder-coated
- Dimensions: H 210 x W 535 x D 225 mm
- Particularly suitable for tool assortments S 1024, S 1025, S 1151 and S 1151 A
- Delivery without tools

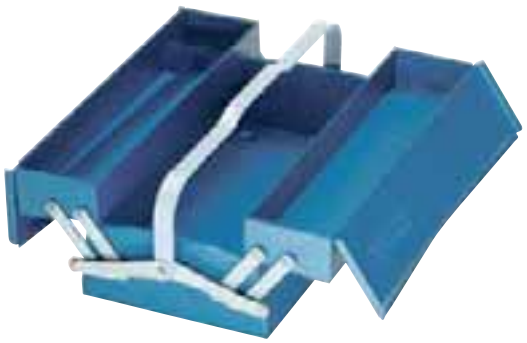


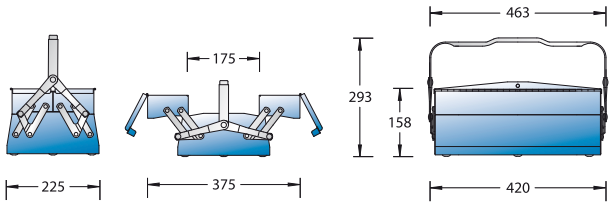
H	W	D	kg	Code	No.
210	535	225	6.3	**6610580**	1335 L

1263 L

TOOL BOX 3 compartments

- With riveted joins
- Compartments to be fully pulled out
- Great stability even if only one side is opened
- GEDORIT blue powder-coated
- Dimensions: H 158 x W 420 x D 225 mm
- Particularly suitable for tool assortments S 1150, S 1151 and S 1151 A
- Delivery without tools



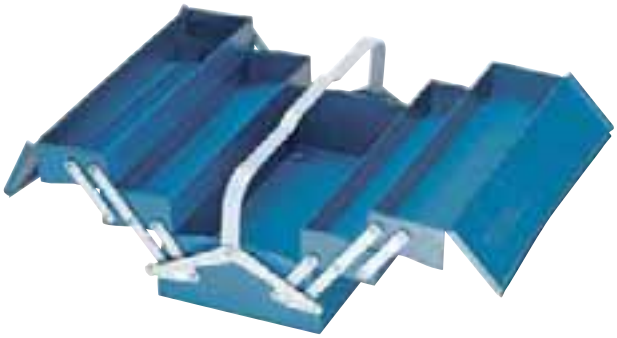


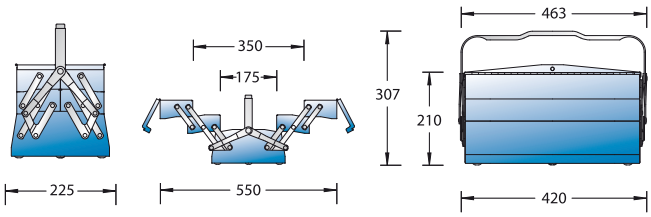
H	W	D	kg	Code	No.
158	420	225	4.0	**6608250**	1263 L

1265 L

TOOL BOX 5 compartments

- With riveted joins
- Compartments to be fully pulled out
- Great stability even if only one side is opened
- GEDORIT blue powder-coated
- Dimensions: H 210 x W 420 x D 225 mm
- Particularly suitable for tool assortments S 1151 and S 1151 A
- Delivery without tools





H	W	D	kg	Code	No.
210	420	225	5.2	**6609060**	1265 L

S 1151 · S 1151 A 84 · 90

GEDORE INDIVIDUAL ... CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU.**
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

TOOL CHESTS

- In GEDORIT blue, drawers GEDORIT silver
- Central locking
- Drawers fully extendable
- Delivery without decoration

1410 L

TOOL CHEST

- With three large and three small drawers and carrying tray
- All drawers fully extendable on runners
- Particularly suitable for tool assortments S 1002 and S 1005 A
- Made from sturdy sheet steel, fitted with central lock
- In GEDORIT blue, drawers GEDORIT silver
- Dimensions: H 364 x W 663 x D 308 mm
- Max. loading 75 kg
- Delivery without tools

H	W	D	kg	Code	No.
364	663	308	28.0	**6614300**	1410 L

1420 L

TOOL CHEST

- With three large drawers and carrying tray
- All drawers fully extendable on runners
- Particularly suitable for tool assortments S 1002 and S 1005 A
- Made from sturdy sheet steel, fitted with central lock
- In GEDORIT blue, drawers GEDORIT silver
- Dimensions: H 298 x W 610 x D 265 mm
- Max. loading 75 kg
- Delivery without tools

H	W	D	kg	Code	No.
298	610	265	20.0	**6615700**	1420 L

S 1002 85

S 1005 A 91

TOOL CASES

1370 Z

TOOL BOX

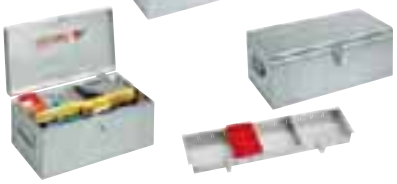
- In special zinc-plated sheet steel for optimum protection against corrosion
- The manufacture using pressure-joint technology means great rigidity
- With removable small-parts compartment ES 1370 Z
- Fitted with carrying strap E-1370 in nylon fabric with shoulder protector
- Max. loading 25 kg
- Delivery without tools

H	W	D	kg	Code	No.
224	554	202	5.0	**1497677**	1370 Z
69	179	167	0.6	**1497634**	ES 1370 Z
			0.1	**5600300**	E-1370

1440 Z

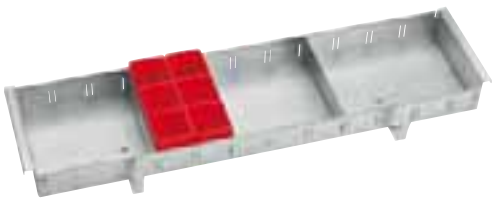
TOOL BOX JUMBO zinc-plated

- In special zinc-plated sheet steel for the heavy everyday-use
- Optimum corrosion protection, spray water protected
- Manufactured in pressure jointing technique, guarantees highest sturdiness
- Robust metal fittings and protected hinges
- Stopper to hold the lid open
- Wide carrying handles
- Max. loading 150 kg
- Lockable through padlock
- Lined interior
- Removable tray for small parts (ES 1440)
- Delivery without tools



H	W	D	kg	Code	No.
320	698	387	17.0	**6628280**	1440 Z-70
340	841	427	21.0	**6628360**	1440 Z-83
440	918	537	30.0	**6629170**	1440 Z-91
320	998	387	22.0	**6629250**	1440 Z-100

ES 1440-100 58



1441 Z

TRANSPORT FRAME zinc-plated

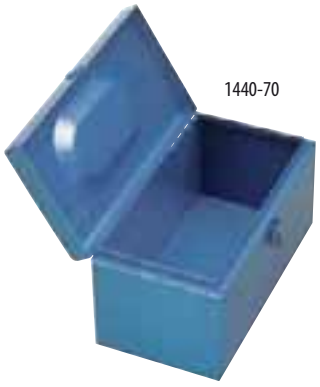
- In special zinc-plated sheet steel
- Makes the tool boxes JUMBO 1440 / 1440 Z mobile
- With 4 castors, 2 of them with brake
- Delivery dismantled, for self-assembly

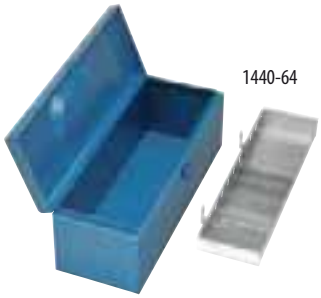
H	W	D	kg	Code	No.
135	697	386	4.9	**1497766**	1441 Z-70
135	840	426	5.4	**1497774**	1441 Z-83
135	917	536	6.0	**1497782**	1441 Z-91
135	997	386	5.8	**1497790**	1441 Z-100

1440

TOOL BOX JUMBO

- Sheet steel construction with strong handles (apart from 1440-45, 1440-64)
- In GEDORIT blue, waterproof
- Strong joints, handles and stopper to hold the lid open
- Special lining, with document partition and removable tray for small parts ES 1440 (available separately)
- Please order separately transport frame 1441 Z
- Special finishes available on request
- 1440-45 without small parts tray
- Supported load 1440-70, -83, -91, -100 up to 400 kg without using the fold-down handles. When lifting, static supporting power of the fold-down handles max. 150 kg



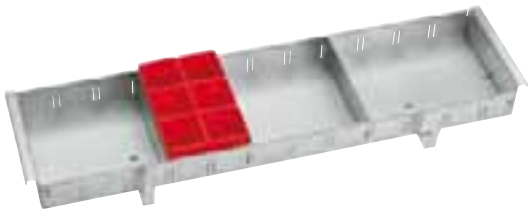


H	W	D	kg	Code	No.
230	450	230	4.0	**6612440**	1440-45
230	640	230	7.0	**6611040**	1440-64
320	698	387	19.0	**6616510**	1440-70
340	841	427	23.0	**6616780**	1440-83
440	918	537	32.0	**6616860**	1440-91
320	998	387	25.0	**6616940**	1440-100

ES 1440

TRAY FOR TOOL BOX JUMBO

- To store small pieces
- In sturdy sheet steel



	Code	No.
1.0	**6611120**	ES 1440-64
1.8	**6616000**	ES 1440-70
2.1	**6616190**	ES 1440-83
2.4	**6616270**	ES 1440-91
2.0	**6616350**	ES 1440-100

WK 1090 L

TOOL CASE EMPTY

- Strong plastic case with aluminium frame
- Three steel hinges, screwed handle, fitted with built in locks
- Dimensions: W 460 x D 380 x H 200 mm
- Delivery without tools

W	D	H		Code	No.
460	380	200	4.2	**5600060**	WK 1090 L

WK 1000 L

TOOL CASE EMPTY

- From impact-resistant blown polypropylene, resistant to oil and acid and extremes of weather, with foam insert
- Dimensions: W 437 x D 379 x H 160 mm
- Delivery without tools

W	D	H		Code	No.
430	360	140	1.6	**5600220**	WK 1000 L

WK 1091 L

TOOL CASE EMPTY

- From eco-friendly tanned cowhide
- Carefully processed with strong industrial seams
- Base insert from zinc-plated sheet steel
- Edges reinforced with aluminium angle brackets, metal parts durable riveted
- With feet to protect sensitive surfaces
- Front part can be lowered for quick access to the tools, with two key locks to prevent inadvertent opening
- Removable carrying strap with shoulder protector and sturdy carrying handle
- Anti-theft protection due to two lockable notches, delivery includes two keys
- Document partition
- Interior measurements 430 x 200 x 290 mm

W	D	H		Code	No.
430	200	290	4.2	**1953729**	WK 1091 L

S 1000 78

1072 K 31

WK 1015 L

ROLLER TOOL CASE empty

- Handle with user-friendly telescopic grip
- Widely spaced wheels with two inline castors for pulling without tipping
- Sturdy aluminium frame with edge protector, trays of impact-resistant ABS plastic
- When open, the case lid is prevented from locking unintentionally by the safety lid holder snapping into place
- A4 document compartment in the lid
- Removable tool panel with 22 tool pockets at the front and back in the lid
- Removable cover for bottom tray with 15 tool pockets
- Variably divisible bottom tray
- Lockable with two-tilt cylinder locks and a combination lock
- Comfort handle
- Inside dimensions: 485 x 350 x 195 mm
- Max. loading: 30 kg

W	D	H	kg	Code	No.
485	350	195	8.0	**2822326**	WK 1015 L

WK 1016 L

TOOL CASE empty

- Sturdy aluminium frame with edge protector, trays of impact-resistant ABS plastic
- When open, the case lid is prevented from locking unintentionally by the safety lid holder snapping into place
- A4 document compartment in the lid
- Removable tool panel with 22 tool pockets at the front and back in the lid
- Removable cover for bottom tray with 15 tool pockets
- Variably divisible bottom tray
- Lockable with two-tilt cylinder locks and a combination lock
- Comfort handle
- Inside dimensions: 455 x 345 x 160 mm
- Max. loading: 25 kg

W	D	H	kg	Code	No.
455	345	160	5.7	**2822334**	WK 1016 L

WK 1018 L

TOOL CASE LARGE empty

- Sturdy aluminium frame with edge protector, trays of impact-resistant ABS plastic
- When open, the case lid is prevented from locking unintentionally by the safety lid holder snapping into place
- A4 document compartment in the lid
- Removable tool panel with 22 tool pockets at the front and back in the lid
- Removable cover for bottom tray with 15 tool pockets
- Variably divisible bottom tray
- Lockable with two-tilt cylinder locks and a combination lock
- Comfort handle
- Inside dimensions: 480 x 370 x 180 mm
- Max. loading: 30 kg

W	D	H	kg	Code	No.
480	370	180	6.0	**2822342**	WK 1018 L

GEDORE SORTIMO®
Mobility in perfection

GEDORE - The hand tool specialist in the L-BOXX®

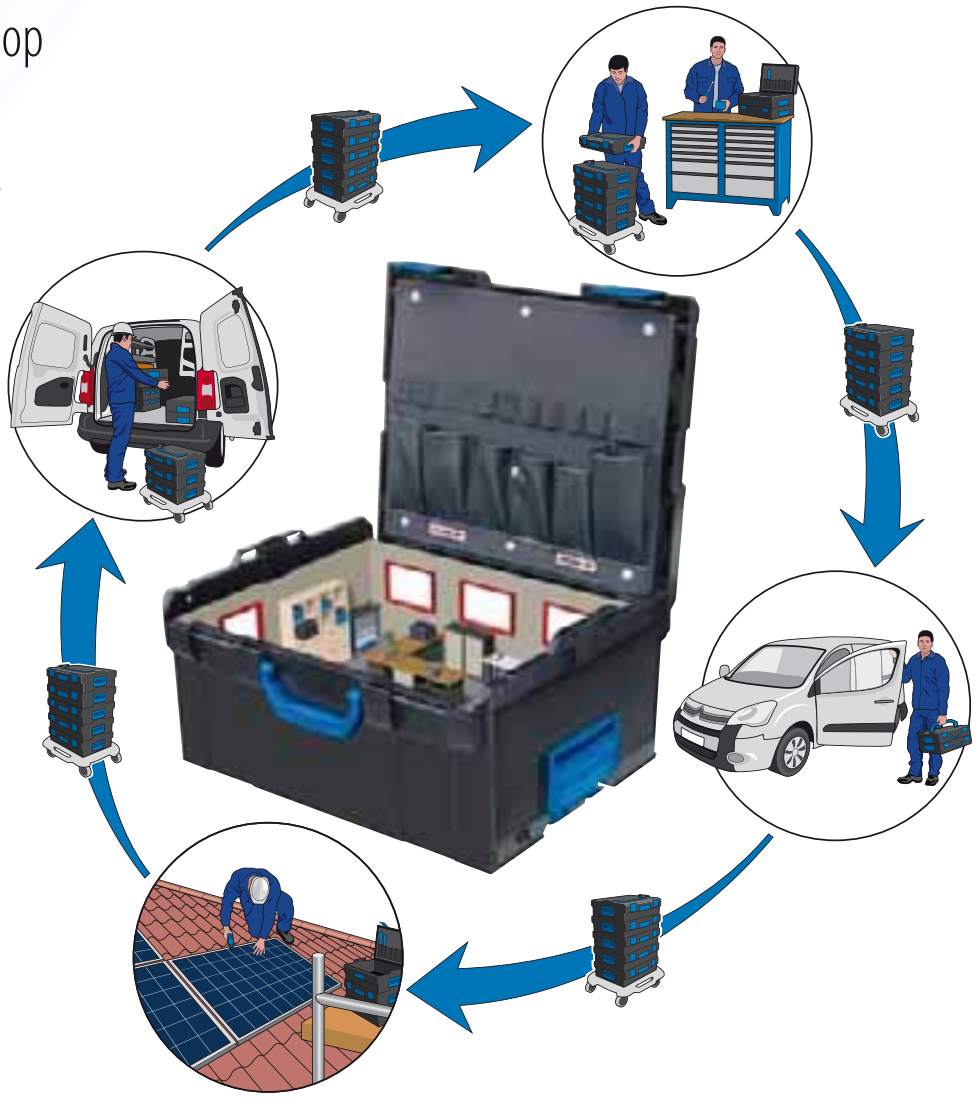
The challenge:
The perfect "To Go" workshop

The terms of reference:

- Tools, machines and material must be easily, safely, quickly and conveniently transported to the place of use i.e. in a preferably resources-saving manner.
- Lengthy loading times must be avoided at all cost - guaranteed load securing a pre-condition here!

GEDORE's Sortimo® transport box system relies on a tried-and-tested mobility standard

The perfect alliance for intelligent, efficient process and project design planning



For your safety / Vehicle integration

Health is the most important factor when it comes to living a contented life.

- Did you know that in an accident a screwdriver develops an 8 kg impacting load ?
- And in no way is a screwdriver a heavy tool ! It is easy to envisage how a screwdriver or hammer turns into a projectile in an accident !
- The GEDORE L-BOXX®es are fully compatible with Sortimo® vehicle fittings
- GEDORE L-BOXX® quality is constantly examined on the basis of the strict Sortimo® directives. Sortimo® has its quality endorsed through crash tests organised by TÜV.
- If it comes to the worst, at least the tools stay where they belong - securely in their GEDORE L-BOXX®

Your advantage:

- Intelligent order systems
- Flexible, modular and individual
- Ideal for mobile deployments
- Diverse and highly efficient
- Quick accessing of tools - perfect organisation
- Transport box standard - e.g. compatible with electrical tool manufacturers
- Guaranteed safety

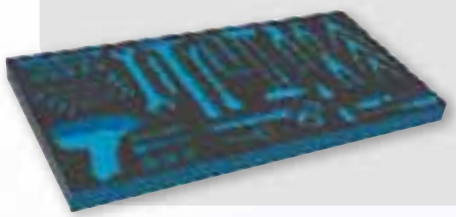
The solution:
The GEDORE "MIXX AND CLICK" kit

- Well-conceived tool assortments and tool modules in the Sortimo®-Transportbox system
- GEDORE L-BOXX® 136 with front grip and GEDORE i-BOXX® 72 powered by Sortimo® form the tried-and-tested basis for GEDORE "MIXX AND CLICK"
- Every GEDORE L-BOXX® is supplied with a tool card in the lid for order and more storage space
- Perfectly suited for mobile deployments - that's the "To Go" workshop
- Multiple compatibility and thus extremely flexible and highly individualised:
  - The GEDORE "MIXX AND CLICK" kit features untold combinations based on your requirements and also on the modules of other manufacturers (e.g. electrical tools /Bosch)
  - This in combination with other Sortimo® components (transport boxes and system components) gives rise to a well organised mobile workshop.
  - Perfectly tailored to your personal needs.

GEDORE INDIVIDUAL MOD

GEDORE INDIVIDUAL "i-MODULES"

- You haven't found the right tool modules for yourself?
- Have a word with us - we manufacture the complete module individually to your requests and needs.



The heart of the kit - GEDORE L-BOXX® 136 with front grip powered by Sortimo® - features:

- A sturdy construction
- Easy and convenient transportation of the tool to the place of use
- Impact-resistant ABS plastic
- Standard lid handle to carry the L-BOXX® horizontally
- Additional kind-to-hands front grip to carry the L-BOXX® vertically
- Spray-protected
- With tool card for order and more storage space
- Easy-click system: Practical connector for two and more L-BOXX®es, for secure grip and easy transport
- No-problem integration in vehicles with the TÜV-tested Sortimo® vehicle fittings

1100-01

GEDORE-SORTIMO® L-BOXX® 136 WITH ASSORTMENT MECHANIC 58 pieces

- Suitable for tradesmen
- An assortment of essential tools
- With Check-Tool insert for quick check of completeness

Contents	kg	Code	No.
1993 U-20, 1990-10, 1995, 19 10 11 12 13 14 15, 16 17 18 19 21 22 24**, 60 CP 8, 142 10 JC, 8316-160 JC, 8133-180 JC, 600 H-500, 110-256, H 42-10, SCL 43 TX-80, VDE 2170-2160 PH-077, 4615 3, 45 S, 4533-2, TFK 649, E-649 F, 8728, 0063-08, + 1100 L**	8.3	**2658194**	1100-01

1100-02

GEDORE-SORTIMO® L-BOXX® 136 WITH ASSORTMENT ELECTRICIAN 36 pieces

- Particularly suitable for electricians
- A selection of essential tools
- With Check-Tool insert for quick check of completeness

Contents	kg	Code	No.
H 42-10, VDE 2170-2160 PH-077, 4615 3, V 4614 PLUS, 110-256, 112-2510, 600 H-500, 60 CP 8, 142 10 JC, 8097, 8133-180 JC, VDE 8314-160 H, VDE 8132-200 H, VDE 8098-160 H, VDE 8132 AB-200 H, VDE 8094, 4528, 45 E, 4629, 0175-06, + 1100 L	7.7	**2658208**	1100-02

1100-03

GEDORE-SORTIMO® L-BOXX® 136 WITH ASSORTMENT INSTALLATION 44 pieces

- Particularly suitable for professions in the plumbing, heating and air conditioning
- A selection of essential tools
- With Check-Tool insert for quick check of completeness
- With two stacked Check-Tool inserts

Contents	kg	Code	No.
7 R 10 13 17 19 24, **100 1.1/2, 142 10 TL, 45 P, 600 H-500, 110-256, SCL 43 TX-80, 322000, 232001, 225011, V 4614 PLUS, VDE 2170-2160 PH-077, H 42-10, 4533-2, 231000, 381000, 380100, 316000, + 1100 L**	10.3	**2658216**	1100-03

1100-BASIC

TOOL ASSORTMENT STARTER in L-BOXX® 136, 23 pieces

- Basic outfit for all lots

Contents	kg	Code	No.
L-BOXX® 136 no. 1100 L + assortment no. S 1100 W-001 + assortment no. 1100 CT2-BASIC	6.100	**2835983**	1100-BASIC

1100 CT2-BASIC

TOOL ASSORTMENT STARTER in 2/2 L-BOXX® 136 Module, 14 pieces

Contents	kg	Code	No.
7 10 12 13 14 15 16 17 18 19 **4528 4533-2 406 600 H-500 95-200**	2.400	**2835967**	1100 CT2-BASIC

Description	kg	Code	No.
Foam insert 2/2 L-BOXX 136, empty	0.200	**2835975**	EI-1100 CT2-BASIC

1100-1.04

UNIVERSAL PULLER ASSORTMENT in L-BOXX® 136, 13 pieces

- 2- and 3-arm cross-beam
- With rigid and slim legs and extensions
- Extra-slim pulling legs for cramped spaces are attached for self-mounting
- 12 different pullers can be combined
- External Ø up to 130 mm, internal Ø up to 170 mm with a 200 mm clamping reach

Contents	kg	Code	No.
L-BOXX® 136 no. 1100 L + assortment no. 1100 CT2-1.04	6.300	**2838362**	1100-1.04

1100-1.30

INTERNAL EXTRACTOR ASSORTMENT in L-BOXX® 136, 7 pieces

- Sliding hammer and counter-support brace

Contents	kg	Code	No.
L-BOXX® 136 no. 1100 L + assortment no. 1100 CT2-1.30	7.200	**2836041**	1100-1.30

1100 CT2-1.04

UNIVERSAL PULLER ASSORTMENT in 2/2 L-BOXX® 136 Module, 13 pieces

- 2- and 3-arm cross-beam
- With rigid and slim legs and extensions
- Extra-slim pulling legs for cramped spaces are attached for self-mounting
- 12 different pullers can be combined
- External Ø up to 130 mm, internal Ø up to 170 mm with a 200 mm clamping reach

Contents	kg	Code	No.
1x 1.04/HP1A-B **1x 107/1A03** **1x 106/A-100-B** **3x 106/A-100-VB** **3x 106/A-100-S** **3x 106/S101-S** **1x 1.1406200**	4.100	**2836068**	1100 CT2-1.04

Description	kg	Code	No.
Foam insert 2/2 L-BOXX 136, empty	0.200	**2836076**	EI-1100 CT2-1.04

1100 CT2-1.30

INTERNAL EXTRACTOR ASSORTMENT in 2/2 L-BOXX® 136 Module, 7 pieces

- Sliding hammer and counter-support brace

Contents	kg	Code	No.
1.30/2 **1.30/3** **1.30/4** **1.30/4A** **1.30/5** **1.36/1** **1.35/2**	5.000	**2836025**	1100 CT2-1.30

Description	kg	Code	No.
Foam insert 2/2 L-BOXX 136, empty	0.200	**2836033**	EI-1100 CT2-1.30

1100 CT1-7

COMBINATION SPANNER SET in 1/2 L-BOXX® 136 Module, 12 pieces

Contents	kg	Code	No.
7 8 10 12 13 14 15 16 17 18 19 22 24	1.400	**2835908**	1100 CT1-7

Description	kg	Code	No.
Foam insert 1/2 L-BOXX 136, empty	0.100	**2835924**	EI-1100 CT1-7

1100 CT1-19

SOCKET SET 1/2" in 1/2 L-BOXX® 136 Module, 21 pieces

Contents	kg	Code	No.
19 8 9 10 11 12 13 14 15 16 17 18 19 21 22 24 27 30 32 **1993 U-20** **1990 KR-5 -10**	2.800	**2836009**	1100 CT1-19

Description	kg	Code	No.
Foam insert 1/2 L-BOXX 136, empty	0.130	**2836017**	EI-1100 CT1-19

1100 CT1-20

SOCKET SET 1/4" in 1/2 L-BOXX® 136 Module, 44 pieces

- For universal use with sockets and bits

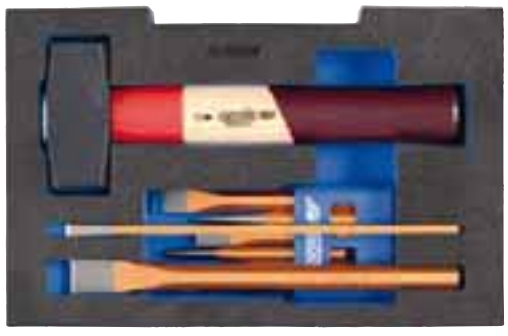
Contents	kg	Code	No.
20 4 5 5,5 6 7 8 9 10 11 12 13 **2093 U-20** **2090-4** **699** **620** **676** **680** 4 4,5 5,5 6,5 8 **685** 3 4 5 6 8 10 **690** 1 2 3 **690 PZD** 1 2 3 **687** TX T6 T7 T8 T9 **T10** **T15** **T20 T25 T27 T30 T40**	0.700	**2835886**	1100 CT1-20

Description	kg	Code	No.
Foam insert 1/2 L-BOXX 136, empty	0.100	**2835894**	EI-1100 CT1-20

1100 CT1-350

CHISEL SET in 1/2 L-BOXX® 136 Module, 9 pieces

- Club hammer for powerful blows



Contents	kg	Code	No.
106 **112-2508** **110-256** **620 E-1000**	2.300	**2835932**	1100 CT1-350

Description	kg	Code	No.
Foam insert 1/2 L-BOXX 136, empty	0.100	**2835959**	EI-1100 CT1-350

1101 CT-7-7 R

RING SPANNER SET in i-BOXX® 72, 15 pieces

◤ Often used sizes as practical combination ratchet spanner

Contents	kg	Code	No.
7 R 10 13 17 19 7 6 8 11 12 14 15 16 18 21 22 24 **+ 1101 L**	2.600	**2836114**	1101 CT-7-7 R

1101 CT-D 20

SOCKET SET 1/4" in i-BOXX® 72, 57 pieces

◤ For universal use with sockets and bits

Contents	kg	Code	No.
D 20 4 4,5 5 5,5 6 7 8 9 10 11 12 13 14 **2093 U-20** **2090**-2 -4 **2095** **620** **676** **673** 6,3 **699** **680** 4 5,5 6,5 8 **685** 3 4 5 6 8 10 **685 X** 5 6 8 **690** 1 2 3 **690 PZD** 1 2 3 **687 TX** T6 T7 T8 T9 T10 T15 T20 T25 T27 T30 T40 **688** TX T10 T15 T20 T25 T27 T30 T40 **+ E-1101 BT** **+ 1101 L**	1.800	**2836165**	1101 CT-D 20

1101 CT-19

SOCKET SET 1/2" in i-BOXX® 72, 21 pieces

Contents	kg	Code	No.
19 8 9 10 11 12 13 14 15 16 17 18 19 21 22 24 27 30 32 **1993 U-20** **1990 KR**-5 -10 **+ 1101 L**	3.500	**2836084**	1101 CT-19

1101 CT-142-2150

PLIERS/SCREWDRIVER ASSORTMENT in i-BOXX® 72, 9 pieces

Contents	kg	Code	No.
2150 4 5,5 6,5 **2160 PH** 1 2 **4615** 3 **8133-180 JC** **8316-160 JC** **142 10 TL** **+ 1101 L**	1.900	**2836149**	1101 CT-142-2150

1100 W-001

TOOL BOARD WITH PLIERS/SCREWDRIVER ASSORTMENT 9 pieces

Contents	kg	Code	No.
Assortment no. S 1100 W-001 + tool board no. ET-1100 W	1.500	**2836181**	1100 W-001

S 1100 W-001

PLIERS/SCREWDRIVER ASSORTMENT for tool board ET-1100 W, 9 pieces

Contents	kg	Code	No.
8133-180 JC **8316-180 JC** **142 10 TL** **2150** 4 5,5 6,5 **2160 PH** 1 2 **4615 3**	1.100	**2836211**	S 1100 W-001

Description	kg	Code	No.
Lid tool board, empty	0.400	**2678322**	ET-1100 W

1100 W-002 VDE

TOOL BOARD WITH VDE PLIERS/SCREWDRIVER ASSORTMENT 9 pieces

Contents	kg	Code	No.
Assortment no. S 1100 W-002 VDE + tool board no. ET-1100 W	1.200	**2836203**	1100 W-002 VDE

S 1100 W-002 VDE

PLIERS/SCREWDRIVER VDE ASSORTMENT for tool board ET-1100 W, 9 pieces

Contents	kg	Code	No.
VDE 8314-160 H **VDE 8132-160 H** **VDE 2170** 2,5 3,5 5,5 **VDE 2160 PH** 1 2 **VDE 2160 PZ** 1 2	0.800	**2836238**	S 1100 W-002 VDE

Description	kg	Code	No.
Lid tool board, empty	0.400	**2678322**	ET-1100 W

ET-1100 W

LID TOOL BOARD empty

- For or retrofittable for any L-BOXX®
- Rubber straps and pockets for inserting tools
- For orderliness and more storage space
- Mounting material is included in delivery

W	D	H	kg	Code	No.
375	20	310	0.400	**2678322**	ET-1100 W

1100 L

GEDORE L-BOXX® 136 WITH FRONT HANDLE

- Rugged construction
- Impact-resistant ABS plastic
- Splashproof
- Top and front handle for variable transport of the L-BOXX®
- With tool board for order and more storage space
- Easy click plug-system: Practical plug connection for two or more L-BOXX®es, for secure grip and easy transport
- For integration in vehicles with Sortimo® vehicle equipment
- Dimensions: W 442 x D 357 x H 151 mm
- Dimensions: W 378 x D 311 x H 107 mm

W	D	H	kg	Code	No.
442	357	151	2.2	**2823691**	1100 L

1100 R

GEDORE L-BOXX® ROLLER

- Practical, mobile platform for all L-BOXX®
- Simply fit and click into place
- Four swivel castors for self-assembly of which two have brakes
- Load capacity up to 100 kg

W	D	H	kg	Code	No.
646	492	184	3.8	**2823756**	1100 R

1101 L

GEDORE I-BOXX® 72

- Small parts case with transparent cover for getting an immediate impression
- Ideal for keeping small parts and accessories
- Optional inset boxes i3 for an individual range
- Comfort handle
- Dimensions: W 367 x D 316 x H 72 mm

W	D	H	kg	Code	No.
367	316	72	0.900	**2823705**	1101 L

1101 K

GEDORE I-BOXX® RACK ACTIVE

- Shelf-like holder for any i-BOXX® 72 (No. 1101 L, 1101 CT)
- Easy click attaching system, thus compatible with the GEDORE L-BOXX® 136 or with any other L-BOXX® on the market

W	D	H	kg	Code	No.
442	357	100	1.100	**2823713**	1101 K

E-1101 BT

GEDORE INSETBOX I3

- For GEDORE i-BOXX® 72
- For keeping small parts
- Further subdivision possible with the 2 partitions

W	D	H	kg	Code	No.
260	78	63	0.100	**2840006**	E-1101 BT

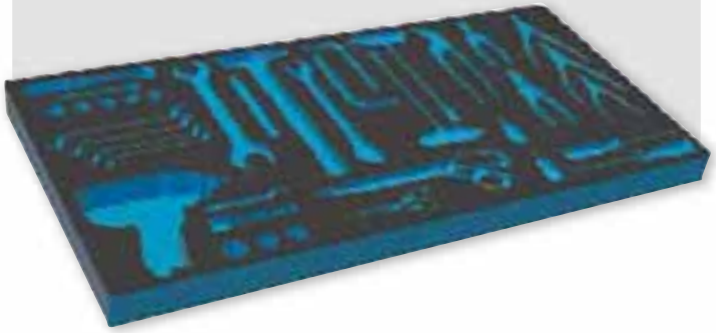
Mobility in perfection

The solution: The GEDORE "MIXX AND CLICK" kit

GEDORE INDIVIDUAL MOD

GEDORE INDIVIDUAL "i-MODULES"

- You haven't found the right tool modules for yourself?
- Have a word with us - we manufacture the complete module individually to your requests and needs.



GEDORE INDIVIDUAL ... CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

Technical Symbols

kg	Weight (total)	"AF	Width across flats (Nominal Width)
mm	Width across flats (Nominal Width)		Catalogue page

Tool assortments

Service / Features 72 – 73, 98 – 99

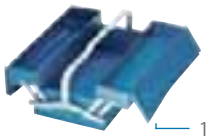
Tool assortments 74 – 97

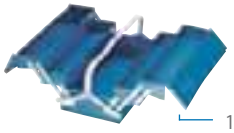
ES Modules 100 – 105

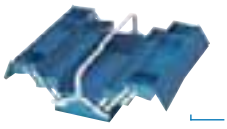
CT Modules 105 – 113

Matching your chosen toolkit to the right ...
... tool trolley, workbench or cupboard

The table allows you to make the right choice of safe and secure storage for any particular tool set.


1263


1265


1335

1410

1420

1578

1580

2000

3010

2535

3000

2500

1585

1502

1505

B 1500

BR 1504

1401

1506 XL 2511

1506 XL 2810

BR 1500

1504

2004

2005

1504 XL

GEDORE

	S 1150 - 41 pieces	S 1151 - 68 pieces S 1151 A - 69 pieces	S 1002 - 79 pieces	S 1004 - 80 pieces	S 1006 - 115 pieces	S 1005 A - 81 pieces	S 1400 G - 100 pieces	S 1400 G+Z - 134 pieces	S 1008 - 138 pieces	S 1007 - 180 pieces	S 1023 - 120 pieces	S 1500 ES-01 - 104 pieces	S 1500 ES-02 - 207 pieces	S 1500 ES-02 - 325 pieces	S 1093 - 26 pieces	S 1025 - 49 pieces	S 1024 - 62 pieces	S 1019 - 157 pieces	S 1022 - 158 pieces	
	●	●	only 1335	●			only 1335										only 1335			
		●	●	●		●	●													
		●	●	●		●	●	●		●	●			●	●		only 1578			
		●	●	●		●	●	●	●	●	●	●		●	●		●		2545 2550	
		●	●	●		●	●	●	●	●	●	●		●	●		●		B 1500	
		●	●	●	●	●	●	●	●	●	●	●		●	●					
		●	●	●			●	●												
																	●			
		●			●	●	●	●	●	●	●			●	●		●			
		●	●	●		●	●	●	●	●	●	●	●	●	●		●	●		
		●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	

501 M

BASIC TOOL SET 29 pieces

- In practical black leather case with zip fastener
- Packed with a basic assortment of tools for emergencies
- Dimensions: W 300 x D 260 x H 45 mm
- Tools in metric sizes

mm

kg	Code	No.
2.5	**6511090**	501 M

Contents
7 10 11 12 13 17 19
142 10 TL
625 M

647
4629
8210 -160 JC

600 H -200
2150 3 4 5,5 6,5
2160 PH 1 2
E-501 ST

1000

TOOL CASE TOURING 49 pieces

- The perfect assortment for most problems
- A carefully developed assortment of tools specified as the most useful
- Packed in a handy plastic case
- The reliable companion in a car, boat or small aircraft
- Useful in the home - where good tools are always needed
- All 49 pieces are well laid out and securely fastened, intermediate plate secures the tools in their pockets
- With the TOURING repairs and maintenance become easy
- Case made from impact-resistant polypropylene, resistant to oil and acid and extremes of weather, with Check-Tool insert
- GEDORE vanadium tools, chrome-plated
- Dimensions: 437x379x160 mm

12,5 1/2" mm

1000

S 1000

Contents	kg	Code	No.
Tool set TOURING S 1000 + **tool case WK 1000 L**	7.0	**6600780**	1000

Contents
7 6 7 8 10 11 12 13 14 15 17 19
19 10 11 12 13 14 15 17 19 22
1990 -5 -10
1995
1993 U -20

42 2 (5/64AF) 2,5 3 4 5 6 8 10
2150 4 5,5 6,5
2160 PH 1 2
4615 3
4522
142 10 TL
8316 -160 JC
8133 -180 JC

600 H -300
97 -125 -150
98 -125
99 12-3
100 -10
119 -4

1050

TOOL ASSORTMENT AUTODOCTOR 29 pieces

- Breakdown assortment for cars
- Set in metric sizes
- In practical artificial leather wallet

kg	Code	No.
3.2	**6604770**	1050

Contents
7 8 10 12 13 14 17 19
49 D 49 R
145 10 C

625 M
4611
4522

8250 -180 JC
600 H -300
2150 4 5,5 6,5
2160 PH 2

1090

TOOL CASE ELECTRICIAN 90 pieces

- The perfect tool set for the electrician or property manager
- A thoughtful assortment for the work to be done
- Packed in a strong plastic case with aluminium frame
- Three steel hinges, screwed handle, fitted with built in locks
- May be used wherever the right tools have to be always at hand
- GEDORE vanadium tools, chrome-plated
- Dimensions: W 460 x D 380 x H 200 mm

Contents	kg	Code	No.
Tool set S 1090 **+ tool case WK 1090 L**	13.2	**6601590**	1090

Contents
6 14x17 18x19 21x23 22x24
8 4 4,5 5 5,5 6 7 8 9 10 11 12 13
20 4 4,5 5 5,5 6 7 8 9 10 11 13
2087
2095
2098
2090 -4
2093 U -3
42 2 (5/64AF) 2,5 3 4 5 6 7 8 10
60 CP 10
156 S
2153 5,5
2161 PH 1

2160 PZ 1 2
VDE 2160 PH 1 2
VDE 2170 3,5 4 5,5 6,5
4615 3,5
173 5,5 8
174 1
745
4522
4534 -3
401
401 A [10×]
145 10 JC
8096 -140

VDE 8098 -160
VDE 8120 -160
VDE 8250 -180
VDE 8132 AB -160
VDE 8316 -200
95 -175
99 10-2 10-4
101
112 A -250
112 S
600 H -300
72 H -100
E-1090 LK LZ LF LS

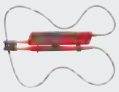
1091

ELECTRICIANS TOOL CASE 18 pieces

- Robust tool case with 18-piece basic assortment
- **Particularly suitable for beginners in electronic professions**
- From eco-friendly tanned cowhide
- Carefully processed with strong industrial seams
- Base insert from zinc-plated sheet steel
- Edges reinforced with aluminium angle brackets, metal parts durable riveted
- With feet to protect sensitive surfaces
- Front part can be lowered for quick access to the tools, with two key locks to prevent inadvertent opening
- Removable carrying strap with shoulder protector and sturdy carrying handle
- Anti-theft protection due to two lockable notches, delivery includes two keys
- Document partition
- Interior measurements 430 x 200 x 290 mm

Contents	kg	Code	No.
Tool set S 1091 **+ tool case WK 1091 L**	8.250	**1953710**	1091

Contents		
	VDE 2133 7 8 10	
	VDE 2160 PH 1 2 3	
	VDE 2170 3 4 5,5	
	4528	
	4533 -2	

	**V 4614 PLUS**
	4629
	8097

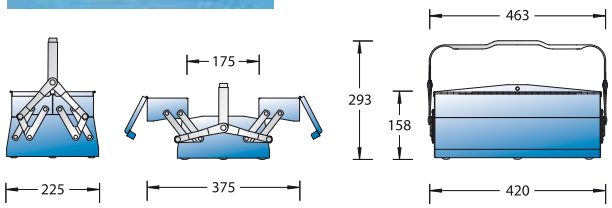
	VDE 8132 -160 H
	VDE 8250 -180 H
	VDE 8316 -180 H
	E-1091 ST

1263

TOOL BOX WITH TOOL ASSORTMENT 3 compartments

- For workshops and service stations
- Tools in metric or inch sizes
- Dimensions: H 158 x W 420 x D 225 mm

12,5 | 1/2" mm "AF



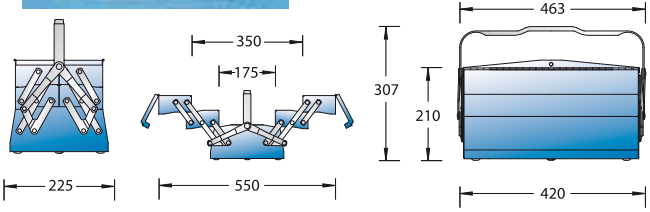
Contents	kg	Code	No.
Tool set S 1151 **+ tool box 1263 L**	15.8	**6608330**	1151-1263
Tool set S 1151 A **+ tool box 1263 L**	15.8	**6608410**	1151 A-1263

1265

TOOL BOX WITH TOOL ASSORTMENT 5 compartments

- For workshops and service stations
- Tools in metric or inch sizes
- Dimensions: H 210 x W 420 x D 225 mm

12,5 | 1/2" mm "AF



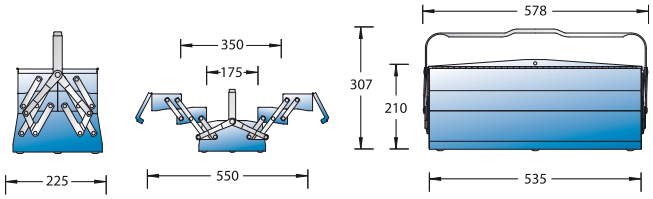
Contents	kg	Code	No.
Tool set S 1151 **+ tool box 1265 L**	17.3	**6609140**	1151-1265
Tool set S 1151 A **+ tool box 1265 L**	17.3	**6609220**	1151 A-1265

1335

TOOL BOX WITH TOOL ASSORTMENT 5 compartments, long pattern

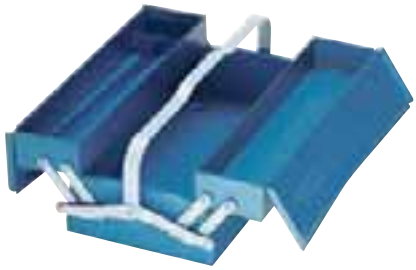
- Tools in metric or inch sizes
- Dimensions: H 210 x W 535 x D 225 mm

12.5 mm · 1/2" AF

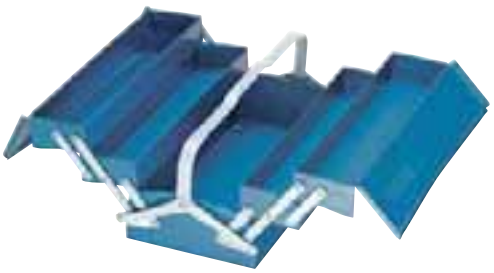


Contents	kg	Code	No.
Tool set S 1151 + tool box 1335 L	18.5	**6610660**	1151-1335
Tool set S 1151 A + tool box 1335 L	18.5	**6610740**	1151 A-1335

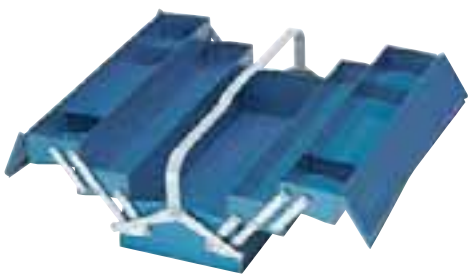
1263 L 55



1335 L 54



1265 L 55



S 1151 · S 1151 A 84 90

S 1050

TOOL ASSORTMENT AUTODOCTOR 29 pieces

- Breakdown assortment for cars
- Set in metric sizes
- Also available in practical artificial leather wallet

mm

1050

S 1050

Contents	kg	Code	No.
29 tools without wallet	2.6	**6604850**	S 1050
29 tools in wallet	3.2	**6604770**	1050

Contents			
7 8 10 12 13 14 17 19		**625 M**	
49 D 49 R		**4611**	
		4522	
145 10 C		**8250** -180 JC	

	600 H -300	
	2150 4 5,5 6,5	
	2160 PH 2	

S 1000

TOOL ASSORTMENT TOURING 49 pieces

- The perfect assortment for most problems
- A carefully developed assortment of tools specified as the most useful
- GEDORE vanadium tools, chrome-plated
- Also available with case

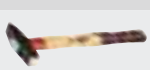
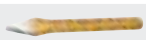
12.5 1/2 mm

1000

S 1000

Contents	kg	Code	No.
49 tools without case	5.3	**6600190**	S 1000
Tool set TOURING S 1000 + tool case WK 1000 L	7.0	**6600780**	1000

Contents			
7 6 7 8 10 11 12 13 14 15 17 19		**2150** 4 5,5 6,5	
19 10 11 12 13 14 15 17 19 22		**2160 PH** 1 2	
1990 -5 -10		**4615** 3	
1995		**4522**	
1993 U -20		**142** 10 TL	
42 2 (5/64AF) 2,5 3 4 5 6 8 10		**8316** -160 JC	
		8133 -180 JC	

	**600 H** -300	
	97 -125 -150	
	**98** -125	
	99 12-3	
	100 -10	
	119 -4	

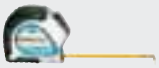
S 1090

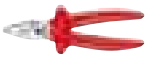
TOOL CASE ELECTRICIAN 90 pieces

- The perfect tool set for the electrician or property manager
- A thoughtful assortment for the work to be done
- GEDORE vanadium tools, chrome-plated
- Also available with case

Contents	kg	Code	No.
90 tools without case	8.2	**6601400**	S 1090
Tool set S 1090 + tool case WK 1090 L	13.2	**6601590**	1090

Contents	
	6 14x17 18x19 21x23 22x24
	8 4 4,5 5 5,5 6 7 8 9 10 11 12 13
	20 4 4,5 5 5,5 6 7 8 9 10 11 13
	2087
	2095
	2098
	2090 -4
	2093 U -3
	42 2 (5/64AF) 2,5 3 4 5 6 7 8 10
	60 CP 10
	156 S
	2153 5,5
	2161 PH 1

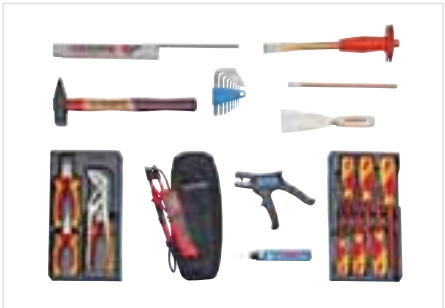
	2160 PZ 1 2
	VDE 2160 PH 1 2
	VDE 2170 3,5 4 5,5 6,5
	4615 3,5
	173 5,5 8
	174 1
	745
	4522
	**4534** -3
	401
	401 A [10×]
	145 10 JC
	8096 -140
	VDE 8098 -160

	VDE 8120 -160
	**VDE 8250** -180
	VDE 8132 AB -160
	VDE 8316 -200
	95 -175
	99 10-2 10-4
	101
	112 A -250
	112 S
	600 H -300
	72 H -100
	E-1090 LK LZ LF LS

S 1093

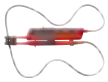
VDE TOOL ASSORTMENT 26 pieces

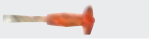
- Particularly suited as the initial outfit for electrical specialists
- The GEDORE tool case or tool trolley are suited for mobile assignments
- Recommended hook assortment 1500 HS-1093 (26 pieces)



Contents	kg	Code	No.
26 tools in metric sizes	4.8	**2319942**	S 1093

Contents	
	142 10 C
	VDE 8250 -180 H
	VDE 8132 -160 H
	VDE 8314 -160 H
	VDE 2170 4 5,5 6,5 8
	VDE 2160 PZ 1 2

	**V 4614 PLUS**
	42 2 (5/64AF) 2,5 3 4 5 6 8 10
	4533 -2
	4528

	8097
	600 H -500
	112 A -250
	**110 HS** -318
	0175 -06

MECHANIC'S TOOL ASSORTMENT 80 pieces

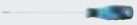
- Particularly suitable for the rear panel R 1504 L
- Recommended hook assortment 1500 HS-1004 (82 pieces)
- Tools in metric sizes

12,5 1/2" mm

Contents	kg	Code	No.
80 tools in metric sizes	14.0	**6600000**	S 1004

	Contents
	7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 23 24
	19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32
	1987
	1995
	1990 -5 -10
	1993 U -10 T
	42 2 (5/64AF) 2,5 3 4 5 6 8 10
	60 CP 8
	143 10 C
	175 1.1/2
	139 -400

	100 -10
	99 10-3
	97 -150 -200
	98 -125
	119 -3 -5
	403
	640 -1800
	132 -150
	4522
	8250 -180 JC
	8132 -160 JC
	8316 -160 JC

	424026
	600 H -500
	8701 2-8
	8719 2-8
	8722 2-8
	8725 2-8
	**2150** 4 6,5 8
	2153 5,5
	2160 PH 2 3
	2161 PH 2
	1.12 /01

GEDORE INDIVIDUAL ... CUSTOMISED FOR YOU!

- **Individual – precise – customised – flexible – right on!**
- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

UNIVERSAL TOOL ASSORTMENT 100 pieces

- Tools in metric sizes
- Supplied in tool modules 1500 ES, suitable to fit in 5 drawers of the GEDORE tool trolleys (e.g. 2005 0511) and workbenches
- Also available in tool cabinet or on tool boards

12,5 1/2" mm

S 1004 G

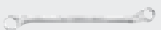
1400 G

1400 - G - 1450 - 2

Contents	kg	Code	No.
100 tools in metric sizes	17.7	**6612790**	S 1400 G
Tool set S 1400 G **+ tool cabinet 1400 L**	46.7	**6613250**	1400 G
Tool set S 1400 G **+ 2x tool panel 1450 L** **+ hook assortment 1500 HS 17**	30.6	**6617320**	1400 G-1450-2

Contents

42 1,3 1,5 2 (5/64AF) 2,5 3 4 5 6 8 10



2 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22

6 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27

19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32

IN 19 6 7 8 9 10 12 14

142 10 JC

8132 -160 JC

8250 -180 JC

8316 -160 JC

97 -250

98 -125

99 12-5

100 -12

119 -1,5 -3 -4

600 H -300

600 E -500

225 E -40

1993 U -10 T

1987

1995

1990 -5 -10

2133 5,5 6 7 8 9 10

2150 4 5,5 6,5 8

2160 PH 1 2

60 CP 8

137 10

406

403

8701 2-6

8719 2-6

8722 2-6

8728

132 -150

424026

1500 E-N L [3×]

S 1400 Z

SUPPLEMENTARY TOOL ASSORTMENT 34 pieces

- Tools in metric sizes
- Ideally suited to the automotive sector
- Recommended hook assortment 1500 HS-1400 Z (31 pieces)
- Also available in tool cabinet

mm

1400 GZ

1400 Z

Contents	kg	Code	No.
34 tools in metric sizes	11.3	**6612950**	S 1400 Z
Tool sets S 1400 G + S 1400 Z + tool cabinet 1400 L	57.4	**6613330**	1400 GZ

Contents	
	1990 -2.1/2 -3
	INX 19 L 6-100 8-100 10-100 12-100
	2153 6,5
	2161 PH 2
	27 24x27 30x32
	27 D
	28 PU CS
	36 1-140

	38 20 [2×]
	50
	54
	125 1
	128 2-225
	135 13

	299
	625 M
	640 -1800
	702 13 M
	4610
	8729 [2×]

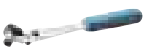
S 1150

UNIVERSAL TOOL ASSORTMENT 41 pieces

- For car repairs, household repairs and for the professional
- Suitable to fit in GEDORE tool box no. 1263 L
- Recommended hook assortment 1500 HS-1150 (45 pieces)
- Tools in metric sizes

10 3/8" mm

Contents	kg	Code	No.
41 tools in metric sizes	4.8	**6606980**	S 1150

Contents	
	1 B 8 10 11 13 14 15 17 19 22
	30 6 7 8 9 10 11 12 13 14 15 17 19 22
	3090 -3 -5 -10
	3095
	**3093 GU** -3

	42 3 4 5 6 8 10
	52
	145 10 C
	2150 5,5 8
	2160 PH 2

	8250 -180 JC
	97 -125
	600 H -300

S 1025

SANITARY TOOL ASSORTMENT STARTER 49 pieces

- User-friendly set for future plant mechanics in sanitary, heating and air condition technology
- Suitable to fit in GEDORE tool box no. 1335 L

Contents	kg	Code	No.
49 tools	7.0	**2319896**	S 1025

Contents	
	231000
	225010
	232001
	100 1.1/2
	914424
	316500
	317000
	380100
	380200

	320000
	329000
	406
	4522
	600 H -500
	4533 -2
	2150 4 5,5
	2160 PH 1 PH 2
	680 4-25 6,5-25
	685 3-25 4-25 5-25 6-25

	685 X 5-25 6-25 8-25
	690 1-25 2-25
	690 PZD 1-25 2-25 3-25
	687 TX T8-25 T8-25 T9-25 T10-25 T15-25 T20-25 T25-25 T27-25 T30-25 T40-25
	620
	4615 3
	7 R 10 13 17 19 24
	920 11

S 1024

SANITARY TOOL ASSORTMENT PROFI 62 pieces

- User-friendly set for plant mechanics in sanitary, heating and air condition technology
- Suitable to fit in GEDORE tool box no. 1335 L
- Recommended hook assortment 1500 HS-1024 (68 pieces)
- Tools in metric sizes

Contents	kg	Code	No.
62 tools	17.7	**2319888**	S 1024

Contents	
	7 R 10 11 12 13 14 15 16 17 18 19 22 24
	220020
	231000
	225011
	226842
	100 1 1.1/2
	914424
	8314 -160 JC
	8133 -180 JC
	112 -2510
	110 HS -256
	4533 -2
	316500

	316 501 502 503
	317000
	380100
	380200
	378500
	4615 3
	2150 4 5,5 8
	2160 PH 1 PH 2
	42 1,3 1,5 2 (5/64AF) 2,5 3 4 5 6 8 10
	1994
	403
	4522
	646

	600 H -500
	620 H -1250
	424026
	312000
	314000
	320000
	329000
	232001
	232500
	381030
	1990 -5

S 1151

TOOL ASSORTMENT 68 pieces

- For workshops and service stations
- Recommended hook assortment 1500 HS-1151 (50 pieces)
- Tools in metric sizes
- Also available in tool box or on tool boards

12,5 ½" mm

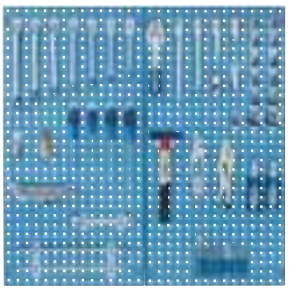
S 1151

1151-1263

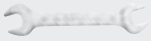
1151-1265

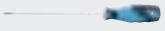
1151-1335

Contents	kg	Code	No.
68 tools in metric sizes	9.6	**6607010**	S 1151
Tool set S 1151 + tool box 1263 L	15.8	**6608330**	1151-1263
Tool set S 1151 + tool box 1265 L	17.3	**6609140**	1151-1265
Tool set S 1151 + tool box 1335 L	18.5	**6610660**	1151-1335
Tool set S 1151 + 2x tool panel 1450 L + hook assortment 1500 HS-1151	17.3	**6617240**	1151-1450-2



1151-1402-2

	Contents
	2 8x9 10x11 12x13 14x15 16x17 18x19 20x22
	**6** 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22
	19 10 11 12 13 14 15 17 19 22 24 27 30 32
	1990 -3 -5 -10
	1987
	1995
	1993 U -10 T
	38 16 [2×]

	42 2,5 3 4 5 6 8
	**2150** 4 6,5 8
	2160 PH 2
	50
	137 10
	145 10 C
	299
	100 -12

	99 10-4
	97 -150
	625 M
	4611
	8250 -180 JC
	8316 -160 JC
	600 H -500

S 1002

TOOL ASSORTMENT FOR TRACTORS 79 pieces

- For tractors and other agricultural machines of all brands with metric screws
- Suitable to fit in GEDORE tool trolley no. 3000 TANTO
- Recommended hook assortment 1500 HS-1002 (91 pieces)

12,5 ½" mm

Contents	kg	Code	No.
79 tools in metric sizes	16.1	**6600270**	S 1002

1 B 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 22 23 24 27 28 30 32

19 10 11 12 13 14 15 16 17 18 19 22 24 27 30 32

IS 19 12x2

1990 -5 -10

1987

1995

1993 U -10 T

38 20 [2×]

42 3 4 5 6 8 10 12 14

137 10

145 10 C

Contents

147 5,5 7 9 12

162 2

100 -10

99 12-5 12-6 12-8

97 -150

98 -125

119 -3 -4 -5

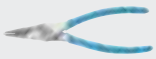
403

132 -200

702 20 M

4610

8010 A 2



8010 J 2

8250 -180 JC

8316 -160 JC

600 H -500 -1000

S 1016

BASIC TOOL ASSORTMENT IN TOOL CASE 87 pieces

- Ideal for mobile applications by fitters and service personnel
- Suitable to fit in GEDORE tool case no. WK 1016 L
- Also available with case or on tool board

6,3 ¼" 6,3 ¼" mm

Contents	kg	Code	No.
87 tools without case	8.5	**2319918**	S 1016

7 8 9 10 11 12 13 14 15 17 19 22

1993 U -20

1990 -5

19 10 12 13 14 15 16 17 18 19 22 24

D 20 4 5 6 7 8 9 10 11 12 13

680 4-25 5,5-25 6,5-25

685 3-25 4-25 5-25 6-25

685 X 5-25 6-25 8-25

687 TX T10-25 T15-25 T20-25 T25-25 T27-25 T30-25 T40-25

690 1-25 2-25

Contents

690 PZD 1-25 2-25 3-25

620

676

699

2090 -4

2093 U -20

2150 4 5,5 6,5 8

2160 PH 1 2

42 2 (5/64AF) 2,5 3 4 5 6 8 10

97 -125 -150

98 -125

99 12-3

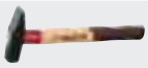
100 -10

119 -4

8316 -180 JC

8132 -160 JC

142 10 TL



600 H -500

406

4534 -5

TOOL ASSORTMENT HGV 115 pieces

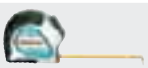
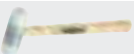
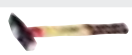
- For service and repairs
- Suitable to fit in GEDORE tool trolley no. 2004, 2005
- Recommended hook assortment 1500 HS-1006 (120 pieces)
- Tools in metric sizes

12.5 1/2" 20 3/4" mm

Contents	kg	Code	No.
115 tools in metric sizes	33.3	**6600940**	S 1006

	Contents
	1 B 8 9 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 29 30 32
	19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32
	IN 19 5 6 7 8 9 10 12 14 17
	1990 -5 -10
	1985
	1987
	1995
	1993 U -10 T
	32 19 22 24 27 29 30 32 36 38
	3290 -8 -16
	3287
	3295
	3293 U -3

	60 CP 12
	135 19
	137 10
	146 10 C
	100 2
	147 7 9 10
	2160 PH 1 2 3 4
	100 -10
	97 -200
	119 -4 -5 -6
	96 -200
	407
	407 A [12×]
	644
	132 -250

	702 20 M
	**4534** -3
	4610
	8000 A 2 A 21
	8000 J 2 J 21
	8316 -160 JC
	248 ST -50
	**225 E** -32
	**600 H** -100 -1500
	8701 2-10

TOOL ASSORTMENT FOR MECHANICAL ENGINEERS 120 pieces

- Practical entry-level toolset
- The range includes mechanical and electrical engineering tools
- Suitable to fit in GEDORE tool trolley no. 2525
- Recommended hook assortment 1500 HS-1023 (53 pieces)

6,3 1/4" 12,5 1/2" 6,3 1/4" mm

Contents	kg	Code	No.
120 tools in metric sizes	13.0	**1999060**	S 1023

Contents
1 B 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
D 20 4 5 6 7 8 9 10 11 12 13
680 4-25 5,5-25 6,5-25
685 3-25 4-25 5-25 6-25
685 X 5-25 6-25 8-25
687 TX T10-25 T15-25 T20-25 T25-25 T27-25 T30-25 T40-25
690 1-25 2-25
690 PZD 1-25 2-25 3-25
620
676
699
2090 -4
2093 U -20
1993 U-20
1990 -5 -10
1995
1987
19 8 9 10 11 12 13 14 15 16 17 18 19 21 22 24 27 30 32
VDE 8132 -200 H
VDE 8250 -180 H
VDE 8314 -160 H
VDE 2170 4 5,5
VDE 2160 PH 1 2
V 4614 PLUS
4615 3
171 IS 1,2 1,5 2
165 PH 00 0
8305 -2
8306 -5
42 1,3 1,5 2 (5/64AF) 2,5 3 4 5 6 8 10
97 -150
100 -10
119 -3 -5
600 H -500
248 ST -30
8701 2-8
8719 2-8
8722 2-8
403
4528
710
745
4534 -3
298 -04
8354 -1
8139 -220 TL

MECHANIC'S TOOL ASSORTMENT 138 pieces

- A useful selection of tools for many jobs
- Suitable to fit in GEDORE tool trolley no. 2525
- Recommended hook assortment 1500 HS-1008 (107 pieces)
- Tools in metric sizes

6,3 1/4" 12,5 1/2" mm

Contents	kg	Code	No.
138 tools in metric sizes	23.4	**6603610**	S 1008

Contents
2 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32
6 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32
19 8 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32
1987
1995
1990 -5 -10
1993 U -10 T
2093 U -3
20 4 4,5 5 5,5 6 7 8 9 10 11 13
2087
2090 -4
2095
2098
42 2 (5/64AF) 2,5 3 4 5 6 8 10
60 CP 8
298 -04

137 10
140
143 10 C
144 7 C
156 S
175 1.1/2
139 -400
100 -10
99 10-3 12-5
97 -125 -150 -200
98 -125
119 -3 -5
407
640 -1800
132 -200
710
745
4522
4534 -3
8000 A 2
8000 J 2
8250 -180 JC

8132 -160 JC
8316 -160 JC
8367 -160 JC
8551 1 2 3 4 5 6 7 8
600 H -500
248 ST -40
8701 2-8
8719 2-8
8722 2-8
424026
8728
2150 3 4 5,5
2153 6,5
2154 6,5 8 10
2160 PZ 1 2
2160 PH 1 2 3
2161 PH 1 2

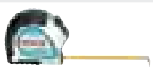
MECHANIC'S TOOL ASSORTMENT 180 pieces

- A complete tool assortment for the professional
- Suitable to fit in GEDORE tool trolley no. 2004, 2005
- Recommended hook assortment 1500 HS-1007 (131 pieces)
- Tools in metric sizes

6,3 1/4" 12,5 1/2" 8 5/16 mm

Contents	kg	Code	No.
180 tools in metric sizes	27.7	**6601080**	S 1007

Contents	
	2 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32
	6 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32
	19 8 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32
	IN 19 5 6 7 8 9 10 12 14 17
	1987
	1995
	1990 -5 -10
	1993 U -10 T
	2093 U -3
	20 4 4,5 5 5,5 6 7 8 9 10 11 13
	2087
	2090 -4
	2095
	2098
	42 2 (5/64AF) 2,5 3 4 5 6 8 10
	60 CP 8
	298 -04
	137 10
	140
	143 10 C
	144 7 C

	156 S
	175 1.1/2
	139 -400
	100-10
	99 10-3 12-5
	97 -125 -150 -200
	98 -125
	119 -2 -3 -4 -5 -6 -8
	402
	404
	407
	640 -1800
	132 -200
	710
	745
	880 5,5 6,5 8 12
	885 4 5 6 8 10
	890 2 3 4
	887 TX T27 T30 T40 T45
	KB 819
	K 1900
	KB 820
	4522
	**4534** -3
	8000 A 1 A 2 A 11 A 21

	8000 J 1 J 2 J 11 J 21
	8250 -180 JC
	8132 -160 JC
	8132 AB -160 JC
	8316 -160 JC
	8367 -160 JC
	8551 1 2 3 4 5 6 7 8
	600 H -500
	248 ST -40
	8701 2-8
	8719 2-8
	8722 2-8
	8725 2-8
	424026
	8728
	2150 3 4 5,5
	2153 6,5
	2154 6,5 8 10
	2160 PZ 1 2
	2160 PH 1 2 3
	2161 PH 1 2

S 1151 A

TOOL ASSORTMENT INCH 69 pieces

- For workshops and service stations
- Recommended hook assortment 1500 HS-1151 A (52 pieces)
- Tools in inch sizes
- Also available in tool box

12,5 1/2" "AF

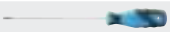
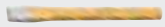
S 1151 A

1151 A-1263

1151 A-1265

1151 A-1335

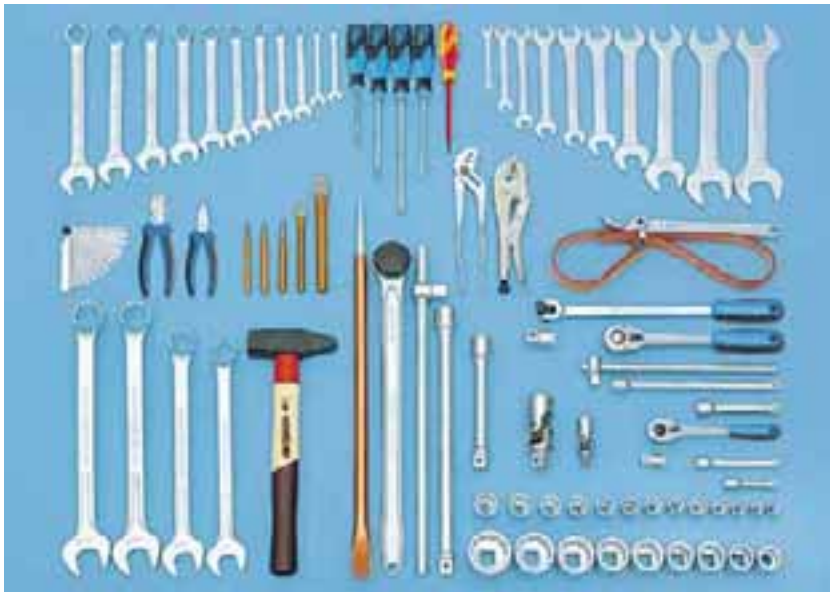
Contents	kg	Code	No.
69 tools in inch sizes	9.4	**6607280**	S 1151 A
Tool set S 1151 A + tool box 1263 L	15.8	**6608410**	1151 A-1263
Tool set S 1151 A + tool box 1265 L	17.3	**6609220**	1151 A-1265
Tool set S 1151 A + tool box 1335 L	18.5	**6610740**	1151 A-1335

Contents			
	2 1/4x5/16AF 5/16x3/8AF 3/8x7/16AF 7/16x1/2AF 9/16x5/8AF 19/32x11/16AF 3/4x25/32AF 13/16x7/8AF		**42** 3/32AF 1/8AF 5/32AF 3/16AF 7/32AF (5,5MM) 1/4AF
	6 1/4x5/16AF 5/16x3/8AF 7/16x1/2AF 9/16x5/8AF 19/32x11/16AF 3/4x25/32AF 13/16x7/8AF 15/16x1AF		**2150** 4 6,5 8
	D 19 5/16AF 3/8AF 7/16AF 1/2AF 9/16AF 5/8AF 11/16AF 3/4AF 7/8AF 15/16AF 1AF 1.1/16AF 1.1/4AF		**2160 PH** 2
	1990 -3 -5 -10		**50**
	1987		**137** 10
	1995		**145** 10 C
	1993 U -10 T		**299**
	38 16 [2×]		**100** -12
			99 10-4
			**97** -150
			625 A
			4611
			8250 -180 JC
			8316 -160 JC
			8601 1

TOOL ASSORTMENT FOR CONSTRUCTION MACHINES 81 pieces

- For construction machinery using inch sizes, especially suitable for CATERPILLAR® machines
- Suitable to fit in GEDORE tool trolley no. 3000 TANTO
- Recommended hook assortment 1500 HS-1005 A (81 pieces)
- Tools in inch sizes

10 3/8" 12,5 1/2" 20 3/4" "AF



Contents	kg	Code	No.
81 tools in inch sizes	22.9	**6600510**	S 1005 A

	Contents
	1 B 1.1/16AF 1.1/8AF 1.1/4AF 1.5/16AF
	6 1/4x5/16AF 3/8x7/16AF 1/2x9/16AF 19/32x11/16AF 5/8x3/4AF 13/16x7/8AF 15/16x1AF 1.1/16x1.1/8AF 1.1/4x1.3/8AF 1.5/16x1.1/2AF
	7 3/8AF 7/16AF 1/2AF 9/16AF 5/8AF 11/16AF 3/4AF 13/16AF 7/8AF 15/16AF 1AF
	D 19 9/16AF 5/8AF 11/16AF 3/4AF 13/16AF 7/8AF 15/16AF 1AF
	1993 U -10 T
	1990 -5 -10
	1932
	1987
	1995
	1997
	D 30 7/16AF 1/2AF 9/16AF 5/8AF 3/4AF

	3090 -3 -5
	3019
	3093 U -10
	D 32 7/8AF 1AF 1.1/16AF 1.1/8AF 1.1/4AF 1.5/16AF 1.1/2AF 1.5/8AF 1.3/4AF
	3290 -8 -16
	3287
	3295
	3293 U -2
	137 10
	145 10 C
	100 -12

	99 10-4 12-8
	97 -150 -200
	702 26 A
	36 2-200
	8132 AB -160 JC
	8316 -160 JC
	600 H -1000
	137 -600
	2154 8 12
	2160 PH 2 3
	VDE 2170 5,5

GEDORE INDIVIDUAL ... CUSTOMISED FOR YOU!

- **Individual – precise – customised – flexible – right on!**
- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

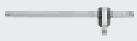
S 1019

TOOL ASSORTMENT CARS 157 pieces

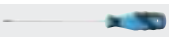
- Ideal for maintenance and service work on cars
- With torque wrench 1/2", 40-200 N·m
- Suitable for cars of all brands with metric and TORX® screws
- Supplied in tool modules 1500 ES
- For tool trolleys 2000, 2500, 2525-520, 3000 TANTO, 2005 models 0511, 0701, 0810, 2004 models 0511, 0620, 0701, 0810, 1000
- For work benches 1502, 1504 XL, 1504 models 0511, 0620, 0701, 0810, 1000, 1506 XL models 2511 and 2810

6,3 1/4" 12,5 1/2" mm

Contents	kg	Code	No.
157 tools	22.1	**2319926**	S 1019

	Contents
	6 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27
	7 R 8 10 12 13 14 15 16 17 18 19
	400 8x10 10x11 12x14 17x19 13x15
	20 4 5 5,5 6 7 8 9 10 11 12 13 14
	IN 20 3 4 5 6 8
	TX 20 E4 E5 E6 E7 E8 E10
	ITX 20 T8 T9 T10 T15 T20 T25 T27 T30 T40
	**2087**
	2090 -4
	2095
	2098
	2093 U -10
	1993 U -20
	1987
	1995
	1990 -5 -10
	19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32

	IS 19 10x1,6 12x2
	IKS 19 2 3 4
	INX 19 8 10
	IN 19 5 6 7 8 9 10 12 14 17
	IN 19 L 5-90 6-90 8-90 10-140 12-140 14-140
	ITX 19 T20 T25 T27 T30 T40 T45 T50 T55 T60
	ITX 19 L T20-100 T25-100 T27-100 T30-100 T40-100 T45-100 T50-100 T55-100 T60-100
	708
	142 10 JC
	8132 -160 JC
	8250 -180 JC
	8316 -160 JC
	8000 A 1 2 21

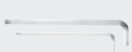
	8000 J 1 2 21
	**2150** 4 5,5 6,5 8
	2160 PH 1 2
	119 -3 -4 -5 -6 -7 -8
	600 H -500
	248 ST -40
	38 20
	643
	702 20 M
	4550 -20
	133 D -150
	132 -150
	8701 2-8
	8719 2-8
	8722 2-8
	8725 2-8
	8726

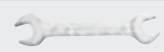
TOOL ASSORTMENT NFZ 158 pieces

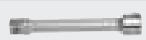
- Ideal for maintenance and service work on industrial vehicles of all brands with metric and TORX® screws
- For tool trolleys 2000, 2500, 2525-520, 3000 TANTO, 2005 models 0511, 0701, 0810, 2004 models 0511, 0620, 0701, 0810
- For work benches 1502, 1504 XL, 1504 models 0511, 0620, 0701, 0810, 1506 XL models 2511 and 2810

12,5 1/2" 20 3/4" mm

Contents	kg	Code	No.
158 tools	45.5	**2319934**	S 1022

	Contents
	1993 U -20
	1987
	1995
	1990 -5 -10
	19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32
	IN 19 6 7 8 9 10 12 14
	K 19 L 10 13 14 16 17 18 19 21 22 23 24 27
	2150 4 5,5 6,5 8
	2160 PH 1 2
	**42 KEL** 2 2,5 3 4 5 6 8 10
	142 10 JC
	8132 -160 JC
	8250 -180 JC
	8316 -160 JC
	6 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27

	**6** 30x32 36x41
	7 XL 24 27 30 32 34 36 41
	97 -250
	98 -125
	99 12-5
	100 -12
	119 -1,5 -3 -4
	600 H -300
	137 10
	TX 19 E10 E11 E12 E14 E16 E18 E20 E24
	ITX 19 T20 T25 T27 T30 T40 T45 T50 T55
	3293 U -2
	32 22 24 27 30 32 36 38 41 46 50
	3287

	**3290** -8 -16
	ITX 32 T60 T70 T80 T90 T100
	403
	39
	8138 -200 JC
	135 13 20
	646
	600 H -500 -1500
	SL 1912 [2×]
	1500 ED-30 [12×]
	1500 E-N L [2×]
	1500 E-S L

S 1500 ES-01

MODULE ASSORTMENT SMALL 104 pieces

- General basic range for beginners in all professions
- Tools in metric sizes
- Proved GEDORE ES tool modules from ABS
- For tool trolleys 1578, 1580, 1585, 2000, 2525-520, 2535, 3010, 3000 TANTO, 2005 models 0511, 0701, 0810, 2004 models 0321, 0511, 0620, 0701, 0810, 1000 and workbench 1506 XL models 2511 and 2810

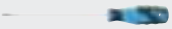
6.3 1/4" 12,5 1/2" mm

S 1500 ES-01

Contents	kg	Code	No.
1500 ES-1 B **1500 ES-19** **1500 ES-1993 U-20** **1500 ES-20** **1500 ES-145** **1500 ES-350** **1500 ES-2150 PH**	12.1	**2319845**	S 1500 ES-01

Contents	
	1 B 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
	42 2 (5/64AF) 2,5 3 4 5 6 8 10
	19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32
	IN 19 6 7 8 9 10 12 14
	1993 U -20
	1987
	1995
	1990 -5 -10
	20 4 5 5,5 6 7 8 9 10 11 12 13 14

	IN 20 3 4 5 6 8
	TX 20 E4 E5 E6 E7 E8 E10
	ITX 20 T8 T9 T10 T15 T20 T25 T27 T30 T40
	2087
	2090 -4
	2095
	2098
	2093 U -10
	142 10 JC

	8132 -160 JC
	8250 -180 JC
	8316 -160 JC
	97 -250
	98 -125
	99 12-5
	100 -12
	119 -1,5 -3 -4
	600 H -300
	**2150** 4 5,5 6,5 8
	2160 PH 1 2

S 1500 ES-02

MODULE ASSORTMENT MIDDLE 207 pieces

- Basic equipment for the commercial sector or ambitious do-it-yourselfers
- Tools in metric sizes
- Proved GEDORE ES tool modules from ABS
- For tool trolleys 2525-520, 2500, 3000 TANTO, 2005 models 0701, 0810, 2004 models 0620, 0701, 0810, 1000
- For workbench 1504 models 0701, 0810, 1000, 1506 XL models 2511 and 2810
- Also available in tool trolley 2004 0620

6,3 1/4" 12,5 1/2" 8 5/16" mm

S 1500 ES-02

Contents	kg	Code	No.
1500 ES-1 B, 1500 ES-6, 1500 ES-19 IS **1500 ES-ITX 19 LKP, 1500 ES-IN 19 LKM** **1500 ES-1993 U-20, 1500 ES-20** **1500 ES-2133, 1500 ES-7 R** **1500 ES-145, 1500 ES-350** **1500 ES-711, 1500 ES-2150 PH** **1500 ES-K 1900, 1500 ES-8000** **1500 ED-70 K** [6x]	29.1	**2319853**	S 1500 ES-02
S 1500 ES-02 **+ 2004 0620**	117.1	**2657708**	1500 ES-02-2004

	Contents
	1 B 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
	42 2 (5/64AF) 2,5 3 4 5 6 8 10
	6 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27
	19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32
	IS 19 10x1,6 12x2
	IKS 19 2 3 4
	INX 19 8 10
	ITX 19 T20 T25 T27 T30 T40 T45 T50 T55 T60
	ITX 19 L T20-100 T25-100 T27-100 T30-100 T40-100 T45-100 T50-100 T55-100 T60-100
	708
	IN 19 5 6 7 8 9 10 12 14 17
	IN 19 L 5-90 6-90 8-90 10-140 12-140 14-140
	1993 U -20
	1987
	1995
	1990 -5 -10

	20 4 5 5,5 6 7 8 9 10 11 12 13 14
	IN 20 3 4 5 6 8
	TX 20 E4 E5 E6 E7 E8 E10
	ITX 20 T8 T9 T10 T15 T20 T25 T27 T30 T40
	2087
	2090 -4
	2095
	2098
	2093 U -10
	2133 5,5 6 7 8 9 10
	7 R 8 10 12 13 14 15 16 17 18 19
	142 10 JC
	8132 -160 JC
	8250 -180 JC
	8316 -160 JC
	97 -250
	98 -125
	99 12-5
	100 -12
	119 -1,5 -3 -4

	600 H -300
	140
	4534 -5
	708
	711
	720
	745
	2150 4 5,5 6,5 8
	2160 PH 1 2
	K 19 10 13 14 17 19
	880 7 8 9 12
	885 5 6 8 10
	890 1 2 3 4
	KB 819
	K 1900
	8000 A 1 2 21
	8000 J 1 2 21
	1500 ED-70 K [6×]

S 1500 ES-03

MODULE ASSORTMENT LARGE 325 pieces

- Extensive industrial range for professionals
- Tools in metric sizes
- Proved GEDORE ES tool modules from ABS
- For tool trolleys 2005 models 0810, 2004 models 0810, 1000
- For workbench 1504 models 0810, 1000, 1504 XL, 1506 XL models 2511, 2810
- Also available in tool trolley 2004 0810

6,3 1/4"
12,5 1/2"
6,3 1/4"
8 5/16"
mm

S 1500 ES-3

Contents	kg	Code	No.
1500 ES-1 B, 1500 ES-19 IS **1500 ES-1993 U-20, 1500 ES-2** **1500 ES-2 B, 1500 ES-20** **1500 ES-20 BIT, 1500 ES-2133** **1500 ES-2150 PH, 1500 ES-2163 BTX** **1500 ES-34, 1500 ES-350** **1500 ES-400, 1500 ES-6** **1500 ES-7 R, 1500 ES-711** **1500 ES-8000, 1500 ES-DT 42** **1500 ES-IN 19 LKM, 1500 ES-ITX 19 LKP** **1500 ES-K 1900, 1500 ES-VDE 145** **1500 ES-VDE 2170 PZ** **8551-55** **H 42 KEL-88, H 43 KTX-07** **8728, 60 P 8, 137 10, 4615 3, 4522, 1940** **1500 ED-70 K [7x]**	34.8	**2319861**	S 1500 ES-03
S 1500 ES-03 **+ 2004 0810**	125.8	**2657716**	1500 ES-03 2004 0810

NOTE

72 – 73

- **Suitable tool trolleys and workbenches for your tool assortments - see page 72 - 73**

Contents

1 B 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

42 2 (5/64AF) 2,5 3 4 5 6 8 10

19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32

IS 19 10x1,6 12x2

IKS 19 2 3 4

INX 19 8 10

1993 U -20

1987

1995

1990 -5 -10

2 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22

2 B 6x7 8x9 10x11 12x13 14x15 17x19

20 4 5 5,5 6 7 8 9 10 11 12 13 14

IN 20 3 4 5 6 8

TX 20 E4 E5 E6 E7 E8 E10

ITX 20 T8 T9 T10 T15 T20 T25 T27 T30 T40

2087

2090 -4

2095

2098

2093 U -10

20 L 4 4,5 5 6 7 8 9 10 12 13

680 4-25 5,5-25 6,5-25 8-25

685 2,5-25 3-25 4-25 5-25 6-25

685 X 5-25 6-25 8-25

687 TX T6-25 T7-25 T8-25 T9-25 T10-25 T15-25 T20-25 T25-25 T27-25 T30-25 T40-25

690 1-25 2-25 3-25

690 PZD 1-25 2-25 3-25

649

673 6,3

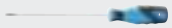
699

620

676

639

2133 5,5 6 7 8 9 10


2150 4 5,5 6,5 8

2160 PH 1 2

2163 TX
T8 T10 T15 T20 T25 T30

34 8x9 10x11 12x13 14x15 16x17

97 -250

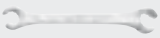
98 -125

99 12-5

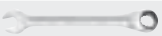
100 -12

119 -1,5 -3 -4

600 H -300


400 8x10 10x11 12x14 17x19 13x15

6 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27


7 R 8 10 12 13 14 15 16 17 18 19

140

4534 -5

708

711

720

745

8000 A 1 2 21

8000 J 1 2 21

DT 42 2 2,5 3 4 5 6 7 8 10

IN 19 5 6 7 8 9 10 12 14 17

IN 19 L 5-90 6-90 8-90 10-140 12-140 14-140

ITX 19 T20 T25 T27 T30 T40 T45 T50 T55 T60

ITX 19 L T20-100 T25-100 T27-100 T30-100 T40-100 T45-100 T50-100 T55-100 T60-100

708

K 19 10 13 14 17 19

880 7 8 9 12

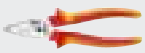
885 5 6 8 10

890 1 2 3 4

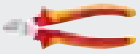
KB 819

K 1900

142 10 C


VDE 8250 -180 H

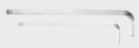
VDE 8132 -160 H


VDE 8314 -160 H

VDE 2170 4 5,5 6,5 8

VDE 2160 PZ 1 2

8551 1 2 3 4 5


42 KEL 2 2,5 3 4 5 6 8 10

43 KTX T10 T15 T20 T25 T27 T30 T40

8728

60 P 8

137 10

4615 3

4522

1940

1500 ED-70 K [7×]

Module system

1/3 Modules

ES Modules (from ABS plastic)

1500 ES-2 | 1500 ES-34 | 1500 ES-6 | 1500 ES-7 R | 1500 ES-2133 | 1500 ES-145 | 1500 ES-350 | 1500 ES-711 | 1500 ES-1993 U-20 | 1500 ES-19 | 1500 ES-IN 19 LKM | 1500 ES-19 IS | 1500 ES-ITX 19 LKP | 1500 ES-1 07 | 1500 ES 1993 T | 1500 ES-20

1500 ES-30 | 1500 ES-ITX 30 | 1500 ES-K 1900 | 1500 ES-VDE 2170 PZ | 1500 ES-VDE 145 | 1500 ES-2150 PH | 1500 ES-2150 PZ | 1500 ES-2163 BTX | 1500 ES-2163 TXB | 1500 ES-K 19L | 1500 ES-8000 | 1500 ES-400 | 1500 ES-2B | 1500 ES-534 | 1500 E-SL | 1500 E-N-L

CT Modules (from 2-colour foam)

1500 CT1-2 | 1500 CT1-34 | 1500 CT1-6 | 1500 CT1-7 R | 1500 CT1-2133 | 1500 CT1-142 | 1500 CT1-350 | 1500 CT1-711 | 1500 CT1-1993 U-20 | 1500 CT1-19 | 1500 CT1-D 19 | 1500 CT1-19 IS | 1500 CT1-ITX 19 LKP | 1500 CT1-1993 T

1500 CT1-IN 19 LKM | 1500 CT1-20 | 1500 CT1-30 | 1500 CT1-ITX 30 | 1500 CT1-VDE 2170 PZ | 1500 CT1-VDE 142 | 1500 CT1-2150 PH | 1500 CT1-2150 PZ | 1500 CT1-2163 BTX | 1500 CT1-K 1900 | 1500 CT1-8000 | 1500 CT1-400 | 1500 CT1-534

2/3 Modules

ES Modules (from ABS plastic)

1500 ES-7 | 1500 ES-1 B | 1500 ES-DT 42 | 1500 ES-7-32

2/3 Modules

CT Modules (from 2-colour foam)

1500 CT2-1 B | 1500 CT2-7 | 1500 CT2-DT 42 | 1500 CT2-7-32

Distance modules

Distance modules

1500 ED-30 | 1500 ED-70 | 1500 ED-70 K | 1500 ED-150K

1500 ED-70 XL | 1500 CTD-20 BIT | 1500-ED-85

CT Modules 2005 CT for volume drawers

110-113

In 2 sizes:

- CT4 = 1/1 drawer 2005 (633 x 390 x 35 mm)
- CT2 = 1/2 drawer 2005 (316.5 x 390 x 35 mm)
- CT4 suitable for 2005, 1504 XL, 2430
- CT2 suitable for 1506 XL, 1504 and 2004

Tool modules

- For keeping order in the GEDORE tool trolleys and mobile workbenches with variable drawer divisions
- Dimensions:
  - 1/3 module = W 157.5 x D 310 mm
  - 2/3 module = W 315.0 x D 310 mm
- For models 1502, 1504, 1506 XL, 2004, 2500 please order distance module 1500 ED-70 or 1500 ED-70 K additionally
- For model 1505 please order 1500 ED-70 or 1500 ED-70 K as well as 1500 ED-150 K additionally
- For model 2005 and 1504 XL please order 1500 ED-70 XL additionally

ES Modules 1500 ES

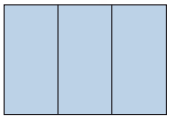
- From impact-resistant ABS
- Resistant to oil and acids
- Each tool is securely held in its own pocket, prevented from slipping and protected from damage
- Grip recesses facilitate removal of the tools

CT Modules 1500 CT

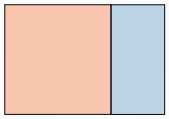
- 2-colour foam insert provides easy optical check of completeness
- Particularly suited for work in sensitive areas, in which it must be assured that no tools are left behind.
- Underlay blue, overlay black. A visible blue pocket indicates a missing tool
- Each tool is securely held in its own pocket, prevented from slipping and protected from damage
- Grip recesses facilitate removal of the tools
- Clearly visible tool contours simplify replacement into the correct pocket
- Resistant to oil and grease
- Easy to clean with water, soap and a nailbrush

Possible combinations of the modules Tool trolley and workbench models

1578, 1580, 1585, 2000, 2525, 2535, 3010 as well as the small drawers of 2500

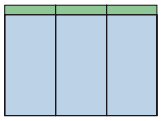


3x 1/3 modules

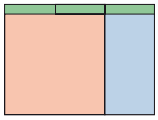


1x 2/3 modules and 1x 1/3 module

3000 TANTO

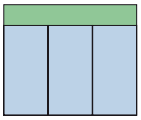


3x 1/3 modules
3x distance module 1500 ED-30

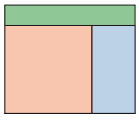


1x 2/3 modules and 1x 1/3 module
3x distance module 1500 ED-30

2004, 1502, 1504, 1506 XL as well as the big drawer of 2500

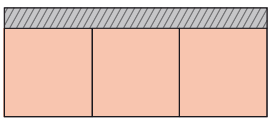


3x 1/3 modules
1x distance module 1500 ED-70 or 1500 ED-70 K

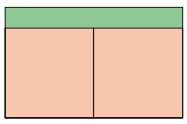


1x 2/3 and 1x 1/3 modules
1x distance module 1500

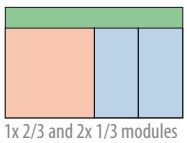
2005, 2430, 1504 XL



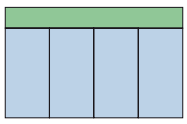
XL drawer 3x 2/3 modules
2x distance modules 1500 ED-70 or 1500 ED-70 K



2x 2/3 modules
1x distance module 1500 ED-70 XL

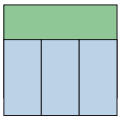


1x 2/3 and 2x 1/3 modules
1x distance module 1500 ED-70 XL

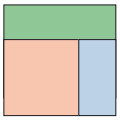


4x 1/3 modules
1x distance module 1500 ED-70 XL

B 1500 L, 1505



3x 1/3 modules
1x distance module 1500 ED-150 K



1x 2/3 and 1x 1/3 modules
1x distance module 1500 ED-150 K

* When ordering model 2004, 1502 or 1504 2 pieces of 1500 ED-70 K are supplied f.o.c.

ES TOOL MODULES

- Impact resistant ABS
- Oil and acid resistant
- For keeping order in the GEDORE tool trolleys and mobile workbenches with variable divisions
- Dimensions:
  1/3 module = W 157.5 x D 310 mm
  2/3 module = W 315.0 x D 310 mm
- For models 1502, 1504, 1506 XL, 2004, 2500 please order distance module 1500 ED-70 or 1500 ED-70 K additionally
- For model 1505 please order 1500 ED-70 or 1500 ED-70 K as well as 1500 ED-150 K additionally
- For model 2005 and 1504 XL please order 1500 ED-70 XL additionally

1500 ES-1 B

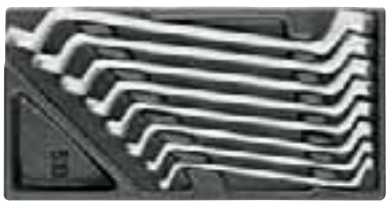
COMBINATION SPANNER SET in 2/3 ES tool module

Contents	Code	No.
1 B 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 PH 42-88 (2 2,5 3 4 5 6 8 10)	2.790 **6612280**	1500 ES-1 B

Description	Code	No.
ES tool module empty	0.250 **5620330**	1500 E-1B-7 L

1500 ES-2

RING SPANNER SET in 1/3 ES tool module



Contents	Code	No.
2 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22	1.616 **6621190**	1500 ES-2

Description	Code	No.
ES tool module empty	0.250 **5626290**	1500 E-2 L

1500 ES-2 B

RING SPANNER SET, SHORT PATTERN in 1/3 ES tool module

Contents	Code	No.
2 B 6x7 8x9 10x11 12x13 14x15 17x19	0.630 **1731165**	1500 ES-2 B

Description	Code	No.
ES tool module empty	0.120 **1731173**	1500 E-2B-400 L

1500 ES-400

SET OF OPEN FLARE NUT SPANNERS in 1/3 ES tool module

Contents	Code	No.
400 8x10 10x11 12x14 13x15 17x19	0.824 **1731157**	1500 ES-400

Description	Code	No.
ES tool module empty	0.120 **1731173**	1500 E-2B-400 L

1500 ES-6

OPEN ENDED SPANNER SET in 1/3 ES tool module

Contents	Code	No.
6 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27	1.702 **6621000**	1500 ES-6

Description	Code	No.
ES tool module empty	0.250 **5626100**	1500 E-6-7R L

1500 ES-7

COMBINATION SPANNER SET in 2/3 ES tool module

Contents	Code	No.
7 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 PH 42-88 (2 2,5 3 4 5 6 8 10)	2.232 **6612520**	1500 ES-7

Description	Code	No.
ES tool module empty	0.250 **5620330**	1500 E-1B-7 L

1500 ES-7-32

COMBINATION SPANNER SET in 2/3 ES tool module

Contents	Code	No.
7 23 24 27 30 32	2.348 **1761145**	1500 ES-7-32

Description	Code	No.
ES tool module empty	0.340 **1761153**	1500 E-7-32 L

1500 ES-7 R

COMBINATION RATCHET SPANNER SET in 1/3 ES tool module

Contents	kg	Code	No.
7 R 8 10 12 13 14 15 16 17 18 19	1.500	**2305429**	1500 ES-7 R

Description	kg	Code	No.
ES tool module empty	0.250	**5626100**	1500 E-6-7R L

1500 ES-2133

SOCKET WRENCH SET in 1/3 ES tool module

Contents	kg	Code	No.
2133 5,5 6 7 8 9 10	1.038	**1751239**	1500 ES-2133

Description	kg	Code	No.
ES tool module empty	0.140	**2823829**	1500 E-2133 L

1500 ES-30

SOCKET SET 3/8" in 1/3 ES tool module

Contents	kg	Code	No.
30 6 7 8 9 10 11 12 13 14 15 16 17 18 19 IN 30 4 5 6 8 10 3095 3087 3090-5 -10 3093 U-10	1.830	**6626070**	1500 ES-30

Description	kg	Code	No.
ES tool module empty	0.140	**5621220**	1500 E-30 L

1500 ES-34

SWIVEL HEAD WRENCH SET in 1/3 ES tool module

Contents	kg	Code	No.
34 8x9 10x11 12x13 14x15 16x17	1.272	**6605070**	1500 ES-34

Description	kg	Code	No.
ES tool module empty	0.150	**5622890**	1500 E-34 L

1500 ES-534

SET COMBINATION SWIVEL HEAD WRENCHES in 1/3 ES tool module

Contents	kg	Code	No.
534 10 11 13 14 15 17 19 26 RS 1 2	1.614	**1813196**	1500 ES-534

Description	kg	Code	No.
ES tool module empty	0.140	**1813226**	1500 E-534 L

1500 ES-20

SOCKET SET 1/4" in 1/3 ES tool module

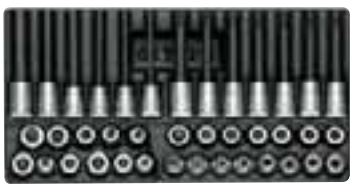
Contents	kg	Code	No.
20 4 5 5,5 6 7 8 9 10 11 12 13 14 IN 20 3 4 5 6 8 TX 20 E4 E5 E6 E7 E8 E10 ITX 20 T8 T9 T10 T15 T20 T25 T27 T30 T40 2087 2090-4 2095 2098 2093 U-10	1.066	**6626230**	1500 ES-20

Description	kg	Code	No.
ES tool module empty	0.140	**5621490**	1500 E-20 L

1500 CTD-20 BIT 107

1500 ES-ITX 30

SCREWDRIVER BIT SOCKET SET 3/8" in 1/3 ES tool module

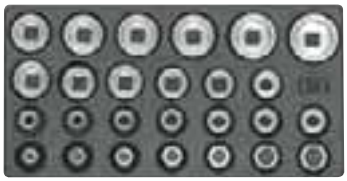


Contents	kg	Code	No.
IN 30 L 4 5 6 7 8 10 ITX 30 T20 T25 T27 T30 T40 T45 T50 ITX 30 L T20 T25 T27 T30 T40 T45 T50 TX 30 E5 E6 E7 E8 E10 E11 E12 E14 IS 30 5,5 6,5 8 10 12 IKS 30 1 2 3 IKS 30 PZD 1 2 3	2.346	**1640860**	1500 ES-ITX 30

Description	kg	Code	No.
ES tool module empty	0.140	**1643363**	1500 E-ITX 30 L

1500 ES-19

SOCKET SET 1/2", HEXAGON in 1/3 ES tool module



Contents	Code	No.
19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32 IN 19 6 7 8 9 10 12 14	2.956 **6626580**	1500 ES-19

Description	Code	No.
ES tool module empty	0.140 **5621650**	1500 E-19 L

1500 ES-19 IS

SOCKET SET 1/2" in 1/3 ES tool module

Contents	Code	No.
19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32 IS 19 10x1,6 12x2 IKS 19 2 3 4 INX 19 8 10	2.984 **1733109**	1500 ES-19 IS

Description	Code	No.
ES tool module empty	0.140 **5621650**	1500 E-19 L

1500 ES-ITX 19 LKP

SCREWDRIVER BIT SOCKET SET 1/2" in 1/3 ES tool module

Contents	Code	No.
ITX 19 T20 T25 T27 T30 T40 T45 T50 T55 T60 ITX 19 L T20-100 T25-100 T27-100 T30-100 T40-100 T45-100 T50-100 T55-100 T60-100 708	2.156 **1402226**	1500 ES-ITX 19 LKP

Description	Code	No.
ES tool module empty	0.150 **1402706**	1500 E-ITX 19 LKP

1500 ES-D 19

SOCKET SET 1/2", UD PROFILE in 1/3 ES tool module

Contents	Code	No.
D 19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32 IN 19 6 7 8 9 10 12 14	2.900 **1899694**	1500 ES-D 19

Description	Code	No.
ES tool module empty	0.140 **5621650**	1500 E-19 L

1500 ES-IN 19 LKM

SCREWDRIVER BIT SOCKET SET 1/2" in 1/3 ES tool module

Contents	Code	No.
IN 19 5 6 7 8 9 10 12 14 17 IN 19 L 5-90 6-90 8-90 10-140 12-140 14-140	2.124 **1402234**	1500 ES-IN 19 LKM

Description	Code	No.
ES tool module empty	0.150 **1402714**	1500 E-IN 19 LKM

1500 ES-1993 U-20

ACCESSORIES FOR SOCKET WRENCHES 1/2" in 1/3 ES tool module

Contents	Code	No.
1993 U-20 1987 1995 1990-5 -10	1.191 **1550756**	1500 ES-1993 U-20

Description	Code	No.
ES tool module empty	0.140 **5621810**	1500 E-1993 L

GEDORE INDIVIDUAL ... CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

1500 ES-1993 T

ACCESSORIES FOR SOCKET WRENCHES 1/2" in 1/3 ES tool module

Contents	kg	Code	No.
1993 U-10 T 1987 1995 1990-5 -10	1.984	**6626740**	1500 ES-1993 T

Description	kg	Code	No.
ES tool module empty	0.140	**5621810**	1500 E-1993 L

1500 ES-DT 42

HEXAGON SOCKET KEY SET in 2/3 ES tool module

Contents	kg	Code	No.
DT 42 2 2,5 3 4 5 6 7 8 10	1.337	**1543474**	1500 ES-DT 42

Description	kg	Code	No.
ES tool module empty	0.270	**1543490**	1500 E-DT 42 L

1500 ES-2163 TX

SCREWDRIVER SET in 1/3 ES tool module

Contents	kg	Code	No.
2163 BTX T8 T10 T15 T20 T25 T30	0.638	**1582666**	1500 ES-2163 TX

Description	kg	Code	No.
ES tool module empty	0.140	**2823829**	1500 E-2133 L

1500 ES-K 19 L

SET IMPACT SOCKETS 1/2" in 1/3 ES tool module

Contents	kg	Code	No.
K 19 L 10 13 14 16 17 18 19 21 22 23 24 27	3.394	**1640836**	1500 ES-K 19 L

Description	kg	Code	No.
ES tool module empty	0.120	**1643371**	1500 E-K 19 L L

1500 ES-2150 PH

SCREWDIVER SET in 1/3 ES tool module

Contents	kg	Code	No.
2150 4 5,5 6,5 8 2160 PH 1 2	0.820	**1523708**	1500 ES-2150 PH

Description	kg	Code	No.
ES tool module empty	0.140	**2823829**	1500 E-2133 L

1500 ES-2163 TXB

SCREWDRIVER SET in 1/3 ES tool module

Contents	kg	Code	No.
2163 TXB T10 T15 T20 T25 T30 T40	0.724	**1616625**	1500 ES-2163 TXB

Description	kg	Code	No.
ES tool module empty	0.140	**2823829**	1500 E-2133 L

1500 ES-K 1900

IMPACT DRIVER SET in 1/3 ES tool module

Contents	kg	Code	No.
K 19 10 13 14 17 19 880 7 8 9 12 885 5 6 8 10 890 1 2 3 4 KB 819 K 1900	1.900	**1402242**	1500 ES-K 1900

Description	kg	Code	No.
ES tool module empty	0.150	**1402722**	1500 E-K 1900 L

1500 ES-2150 PZ

SCREWDRIVER SET in 1/3 ES tool module

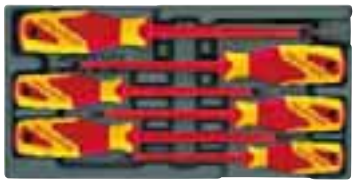
Contents	kg	Code	No.
2150 4 5,5 6,5 8 2160 PZ 1 2	0.846	**1523694**	1500 ES-2150 PZ

Description	kg	Code	No.
ES tool module empty	0.140	**2823829**	1500 E-2133 L

1500 ES-VDE 2170 PZ

VDE SCREWDRIVER SET in 1/3 ES tool module

1000 V



Contents	kg	Code	No.
VDE 2170 4 5,5 6,5 8 VDE 2160 PZ 1 2	0.846	**1733095**	1500 ES-VDE 2170 PZ

Description	kg	Code	No.
ES tool module empty	0.140	**2823829**	1500 E-2133 L

1500 ES-145

PLIERS SET in 1/3 ES tool module

Contents	kg	Code	No.
142 10 JC **8250-180 JC** **8132-160 JC** **8316-160 JC**	1.400	**6614650**	1500 ES-145

Description	kg	Code	No.
ES tool module empty	0.140	**5620840**	1500 E-145 L

1500 ES-137

GRIP WRENCH SET in 1/3 ES tool module

Contents	kg	Code	No.
137 7 **137 10** **137 KR-7** **138 Y**	1.970	**2188198**	1500 ES-137

Description	kg	Code	No.
ES tool module empty	0.140	**2188139**	1500 E-137 L

1500 ES-1.07

PULLER SET in 1/3 ES tool module

- **Contents:** 1 cross-beam each 2- and 3-arm pattern (clamping reach 90 mm), 1 spindle, and 3 slim quick-release pulling legs (clamping depth 100 mm)

Contents	kg	Code	No.
1x 106/103 **1x 107/103** **1x 1.1406140** **3x 106/S100-E**	1.980	**1933213**	1500 ES-1.07

Description	kg	Code	No.
ES tool module empty	0.200	**1933248**	1500 E-1.07 L

1500 ES-VDE 145

VDE PLIERS SET in 1/3 ES tool module

1000 V

Contents	kg	Code	No.
142 10 C **VDE 8250-180 H** **VDE 8132-160 H** **VDE 8314-160 H**	1.320	**1733079**	1500 ES-VDE 145

Description	kg	Code	No.
ES tool module empty	0.140	**5620840**	1500 E-145 L

1500 ES-350

CHISEL SET in 1/3 ES tool module

Contents	kg	Code	No.
97-250 **98-125** **99 12-5** **100-12** **119-1,5 3 4** **600 H-300**	1.818	**6613760**	1500 ES-350

Description	kg	Code	No.
ES tool module empty	0.140	**5620680**	1500 E-350 L

1500 E-N L

TOOL MODULE EMPTY

- Impact resistant ABS, black grained
- Dimensions: W 157.5 x D 310 mm (1/3 module)

W	D	H	kg	Code	No.
157.5	310	42	0.250	**5622540**	1500 E-N L

1500 ES-8000

CIRCLIP PLIERS in 1/3 ES tool module

Contents	kg	Code	No.
8000 A 1 **8000 A 2** **8000 A 21** **8000 J 1** **8000 J 2** **8000 J 21**	1.136	**1402196**	1500 ES-8000

Description	kg	Code	No.
ES tool module empty	0.150	**1446479**	1500 E-8000 L

1500 ES-711

PRECISION MECHANICS in 1/3 ES tool module

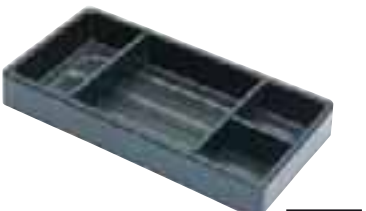
Contents	kg	Code	No.
140 **4534-5** **708** **711** **720** **745**	0.972	**1402218**	1500 ES-711

Description	kg	Code	No.
ES tool module empty	0.150	**1402692**	1500 E-711 L

1500 E-S L

TOOL MODULE EMPTY

- With compartments for small parts
- Impact resistant ABS, black grained
- Dimensions: W 157.5 x D 310 mm (1/3 module)



W	D	H	kg	Code	No.
157.5	310	42	0.150	**1879227**	1500 E-S L

1500 ED-30

DISTANCE MODULE EMPTY

- For fixing modules 1500 ES in drawer sizes W 480 x D 350 mm of tool trolleys 3000 TANTO
- Impact resistant ABS, black grained
- Dimensions: W 157 x D 30 x H 42 mm

W	D	H	kg	Code	No.
157	30	42	0.030	**5626370**	1500 ED-30

1500 ED-70

DISTANCE MODULE WITH SMALL BOXES

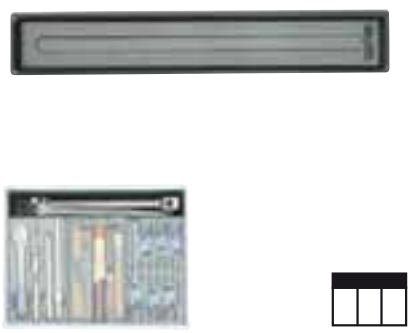
- For fixing modules 1500 ES in drawer sizes W 480 x L 400 mm of tool trolleys 2004, 2500 and workbenches 1502, 1504, 1505 and 1506 XL
- Module in sheet steel containing four practical transparent plastic boxes for small parts, lid easily removable, execution L without boxes
- Dimensions: W 475 x D 77 x H 40 mm

W	D	H	kg	Code	No.
475	77	40	0.900	**6627120**	1500 ED-70
475	77	40	0.750	**5627930**	1500 ED-70 L

1500 ED-70 K

DISTANCE MODULE EMPTY

- For fixing modules 1500 ES in drawers with depth 400 mm of tool trolleys 2004, 2500 and workbenches 1502, 1504, 1505 and 1506 XL
- Impact resistant ABS, black grained
- Dimensions: W 475 x D 77 x H 40 mm



W	D	H	kg	Code	No.
475	77	40	0.120	**1618687**	1500 ED-70 K

1500 ED-70 S

DISTANCE MODULE 1/3 EMPTY

- For tool trolley 2005, workbench 1504 XL and tool chest 2430, suitable as distance piece for module 1/3
- Module in sheet steel
- Dimensions: W 152 x D 77 x H 40 mm

W	D	H	kg	Code	No.
152	77	40	0.150	**1851462**	1500 ED-70 S

1500 ED-70 XL

DISTANCE MODULE EMPTY

- Suitable to take torque wrenches and other long hand tools or small pieces
- Only appropriate to tool trolley 2005 as well as workbench 1504 XL and tool chest 2430
- Module in sheet steel
- Dimensions: W 625 x D 77 x H 40 mm

W	D	H	kg	Code	No.
625	77	40	0.854	**1803069**	1500 ED-70 XL

1500 ED-85

DISTANCE MODULE EMPTY

- Only appropriate to tool trolley 2545 and tool chest 2546
- Module in sheet steel
- Dimensions: W 538 x D 85 x H 40 mm

W	D	H	kg	Code	No.
538	85	40	0.845	**1972588**	1500 ED-85

1500 ED-150 K

DISTANCE MODULE EMPTY

- Suitable to take torque wrenches and other long hand tools or small pieces
- Impact resistant ABS, black grained
- Dimensions: W 480 x D 150 x H 42 mm

W	D	H	kg	Code	No.
480	150	42	0.150	**1879243**	1500 ED-150 K

CT TOOL MODULES

1500 CT2-1 B

COMBINATION SPANNER SET in 2/3 CT tool module

Contents	kg	Code	No.
1 B 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 PH 42-88 (2 2,5 3 4 5 6 8 10)	2.385	**2308819**	1500 CT2-1 B

Description	kg	Code	No.
CT tool module empty	0.070	**2322277**	EI-1500 CT2-1B L

1500 CT1-2

RING SPANNER SET in 1/3 CT tool module

Contents	kg	Code	No.
2 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22	1.360	**2308827**	1500 CT1-2

Description	kg	Code	No.
CT tool module empty	0.050	**2322285**	EI-1500 CT1-2 L

1500 CT1-2 B

RING SPANNER SET, SHORT PATTERN in 1/3 CT tool module

Contents	Code	No.
2 B 6x7 8x9 10x11 12x13 14x15 17x19	0.376 **2308843**	1500 CT1-2 B

Description	Code	No.
CT tool module empty	0.050 **2322293**	EI-1500 CT1-2B L

1500 CT1-400

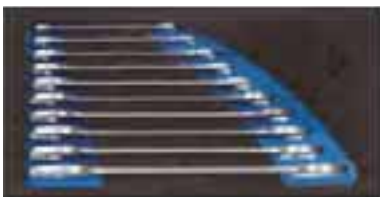
SET OF OPEN FLARE NUT SPANNERS in 1/3 CT tool module

Contents	Code	No.
400 8x10 10x11 12x14 13x15 17x19	0.565 **2309068**	1500 CT1-400

Description	Code	No.
CT tool module empty	0.050 **2324210**	EI-1500 CT1-400 L

1500 CT1-6

OPEN ENDED SPANNER SET in 1/3 CT tool module



Contents	Code	No.
6 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27	1.440 **2308851**	1500 CT1-6

Description	Code	No.
CT tool module empty	0.050 **2322307**	EI-1500 CT1-6 L

1500 CT2-7

COMBINATION SPANNER SET in 2/3 CT tool module

Contents	Code	No.
7 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 PH 42-88 (2 2,5 3 4 5 6 8 10)	1.750 **2308878**	1500 CT2-7

Description	Code	No.
CT tool module empty	0.070 **2324164**	EI-1500 CT2-7 L

1500 CT2-7-32

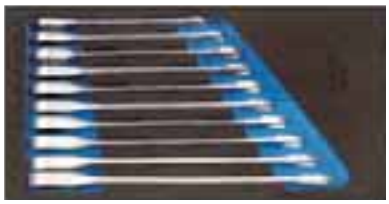
COMBINATION SPANNER SET in 2/3 CT tool module

Contents	Code	No.
7 23 24 27 30 32	1.865 **2308886**	1500 CT2-7-32

Description	Code	No.
CT tool module empty	0.070 **2324172**	EI-1500 CT2-7-32 L

1500 CT1-7 R

COMBINATION RATCHET SPANNER SET in 1/3 CT tool module



Contents	Code	No.
7 R 8 10 12 13 14 15 16 17 18 19	1.240 **2308894**	1500 CT1-7 R

Description	Code	No.
CT tool module empty	0.050 **2322315**	EI-1500 CT1-7R-UR L

1500 CT1-7 UR

COMBINATION RATCHET SPANNER SET in 1/3 CT tool module

Contents	Code	No.
7 UR 8 10 12 13 14 15 16 17 18 19	1.245 **2331969**	1500 CT1-7 UR

Description	Code	No.
CT tool module empty	0.050 **2322315**	EI-1500 CT1-7R-UR L

1500 CT1-7 RA

COMBINATION RATCHET SPANNER SET in 1/3 CT tool module

Contents	Code	No.
7 R 8 10 12 13 14 15 16 17 18 19 7 RA-12,5 -10 -6,3 7 RB-6,3	1.270 **2327686**	1500 CT1-7 RA

Description	Code	No.
CT tool module empty	0.050 **2327708**	EI-1500 CT1-7RA-URA L

1500 CT1-7 URA

COMBINATION RATCHET SPANNER SET in 1/3 CT tool module

Contents	kg	Code	No.
7 UR 8 10 12 13 14 15 16 17 18 19 7 RA-12,5 -10 -6,3 7 RB-6,3	1.280	**2327678**	1500 CT1-7 URA

Description	kg	Code	No.
CT tool module empty	0.050	**2327708**	EI-1500 CT1-7RA-URA L

1500 CT1-2133

SOCKET WRENCH SET in 1/3 CT tool module

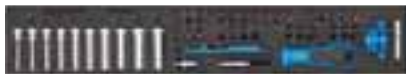
Contents	kg	Code	No.
2133 5,5 6 7 8 9 10	0.820	**2309122**	1500 CT1-2133

Description	kg	Code	No.
CT tool module empty	0.050	**2322501**	EI-1500 CT1-2133 L

1500 CTD-20 BIT

TOOL MODULE 1/4" with assortment

- Only suitable for tool trolley 2004, and workbenches 1502, 1504, 1505 and 1506 XL
- For models 2005, 2430 and 1504 XL with distance module 1500 ED-70 S
- Dimensions: W 475 x D 77 x H 40 mm



Contents	kg	Code	No.
20 L 4 4,5 5 6 7 8 9 10 12 13 680 4 5,5 6,5 8 685 2,5 3 4 5 6 685 X 5 6 8 687 TX T6 T7 T8 T9 T10 T15 T20 T25 T27 T30 T40 690 1 2 3 690 PZD 1 2 3 649 673 6,3 699 620 676 639	0.700	**1733419**	1500 CTD-20 BIT

1500 CT1-34

SWIVEL HEAD WRENCH SET in 1/3 CT tool module

Contents	kg	Code	No.
34 8x9 10x11 12x13 14x15 16x17	1.035	**2308991**	1500 CT1-34

Description	kg	Code	No.
CT tool module empty	0.050	**2322404**	EI-1500 CT1-34 L

1500 CT1-20

SOCKET SET 1/4" in 1/3 CT tool module

Contents	kg	Code	No.
20 4 5 5,5 6 7 8 9 10 11 12 13 14 IN 20 3 4 5 6 8 TX 20 E4 E5 E6 E7 E8 E10 ITX 20 T8 T9 T10 T15 T20 T25 T27 T30 T40 2087 2090-4 2095 2098 2093 U-10	0.845	**2308967**	1500 CT1-20

Description	kg	Code	No.
CT tool module empty	0.050	**2322374**	EI-1500 CT1-20 L

1500 CT1-30

SOCKET SET 3/8" in 1/3 CT tool module

Contents	kg	Code	No.
30 6 7 8 9 10 11 12 13 14 15 16 17 18 19 IN 30 4 5 6 8 10 3095 3087 3090-5 -10 3093 U-10	1.670	**2308975**	1500 CT1-30

Description	kg	Code	No.
CT tool module empty	0.050	**2322382**	EI-1500 CT1-30 L

1500 CT1-534

SET COMBINATION SWIVEL HEAD WRENCHES in 1/3 CT tool module

Contents	kg	Code	No.
534 10 11 13 14 15 17 19 26 RS 1 2	1.405	**2309076**	1500 CT1-534

Description	kg	Code	No.
CT tool module empty	0.050	**2322455**	EI-1500 CT1-534 L

1500 CT1-ITX 30

SCREWDRIVER BIT SOCKET SET 3/8" in 1/3 CT tool module

Contents	kg	Code	No.
IN 30 L 4 5 6 7 8 10 ITX 30 T20 T25 T27 T30 T40 T45 T50 ITX 30 L T20 T25 T27 T30 T40 T45 T50 TX 30 E5 E6 E7 E8 E10 E11 E12 E14 IS 30 5,5 6,5 8 10 12 IKS 30 1 2 3 IKS 30 PZD 1 2 3	2.175	**2308983**	1500 CT1-ITX 30

Description	kg	Code	No.
CT tool module empty	0.050	**2322390**	EI-1500 CT1-ITX30 L

1500 CT1-19

SOCKET SET 1/2", HEXAGON in 1/3 CT tool module

Contents	kg	Code	No.
19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32 IN 19 6 7 8 9 10 12 14	2.790	**2308908**	1500 CT1-19

Description	kg	Code	No.
CT tool module empty	0.047	**2322323**	EI-1500 CT1-19 L

1500 CT1-D 19

SOCKET SET 1/2", UD PROFILE in 1/3 CT tool module

Contents	kg	Code	No.
D 19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32 IN 19 6 7 8 9 10 12 14	2.680	**2308916**	1500 CT1-D 19

Description	kg	Code	No.
CT tool module empty	0.047	**2322323**	EI-1500 CT1-19 L

1500 CT1-19 IS

SOCKET SET 1/2" in 1/3 CT tool module

Contents	kg	Code	No.
19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32 IS 19 10x1,6 12x2 IKS 19 2 3 4 INX 19 8 10	2.765	**2308924**	1500 CT1-19 IS

Description	kg	Code	No.
CT tool module empty	0.050	**2322331**	EI-1500 CT1-19IS L

1500 CT1-IN 19 LKM

SCREWDRIVER BIT SOCKET SET 1/2" in 1/3 CT tool module

Contents	kg	Code	No.
IN 19 5 6 7 8 9 10 12 14 17 IN 19 L 5-90 6-90 8-90 10-140 12-140 14-140	1.900	**2308932**	1500 CT1-IN 19 LKM

Description	kg	Code	No.
CT tool module empty	0.050	**2322358**	EI-1500 CT1-IN19LKM L

1500 CT1-ITX 19 LKP

SCREWDRIVER BIT SOCKET SET 1/2" in 1/3 CT tool module

Contents	kg	Code	No.
ITX 19 T20 T25 T27 T30 T40 T45 T50 T55 T60 ITX 19 L T20-100 T25-100 T27-100 T30-100 T40-100 T45-100 T50-100 T55-100 T60-100 708	1.915	**2308940**	1500 CT1-ITX 19 LKP

Description	kg	Code	No.
CT tool module empty	0.050	**2322366**	EI-1500 CT1-ITX19LKP L

1500 CT1-1993 U-20

ACCESSORIES FOR SOCKET WRENCHES 1/2" in 1/3 CT tool module

Contents	kg	Code	No.
1993 U-20 1987 1995 1990-5 -10	1.700	**2309114**	1500 CT1-1993 U-20

Description	kg	Code	No.
CT tool module empty	0.050	**2322498**	EI-1500 CT1-1993 L

1500 CT1-1993 T

ACCESSORIES FOR SOCKET WRENCHES 1/2" in 1/3 CT tool module

Contents	kg	Code	No.
1993 U-10 T 1987 1995 1990-5 -10	1.765	**2309106**	1500 CT1-1993 T

Description	kg	Code	No.
CT tool module empty	0.050	**2322498**	EI-1500 CT1-1993 L

1500 CT1-K 1900

IMPACT DRIVER SET in 1/3 CT tool module

Contents	kg	Code	No.
K 19 10 13 14 17 19 K 19 LS 17 19 21 22 880 7 8 9 12 885 5 6 8 10 890 1 2 3 4 KB 819 K 1900	2.645	**2309092**	1500 CT1-K 1900

Description	kg	Code	No.
CT tool module empty	0.050	**2322471**	EI-1500 CT1-K1900 L

1500 CT2-DT 42

HEXAGON SOCKET KEY SET in 2/3 CT tool module

Contents	kg	Code	No.
DT 42 2 2,5 3 4 5 6 7 8 10	0.900	**2309009**	1500 CT2-DT 42

Description	kg	Code	No.
CT tool module empty	0.070	**2322412**	EI-1500 CT2-DT42 L

1500 CT1-2150 PH

SCREWDIVER SET in 1/3 CT tool module

Contents	kg	Code	No.
2150 4 5,5 6,5 8 2160 PH 1 2	0.630	**2309130**	1500 CT1-2150 PH

Description	kg	Code	No.
CT tool module empty	0.050	**2322528**	EI-1500 CT1-2150 L

1500 CT1-2150 PZ

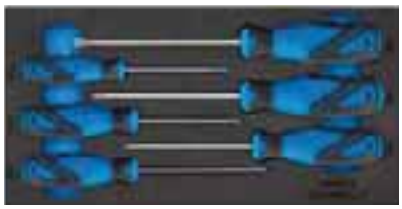
SCREWDIVER SET in 1/3 CT tool module

Contents	kg	Code	No.
2150 4 5,5 6,5 8 2160 PZ 1 2	0.630	**2309149**	1500 CT1-2150 PZ

Description	kg	Code	No.
CT tool module empty	0.050	**2322528**	EI-1500 CT1-2150 L

1500 CT1-2163 TX

SCREWDIVER SET in 1/3 CT tool module



Contents	kg	Code	No.
2163 TX T8 T10 T15 T20 T25 T30	0.400	**2309157**	1500 CT1-2163 TX

Description	kg	Code	No.
CT tool module empty	0.050	**2322544**	EI-1500 CT1-2163TX L

1500 CT1-2163 TXB

SCREWDIVER SET in 1/3 CT tool module

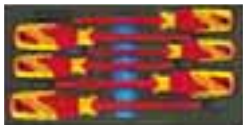
Contents	kg	Code	No.
2163 TXB T10 T15 T20 T25 T30 T40	0.500	**2309165**	1500 CT1-2163 TXB

Description	kg	Code	No.
CT tool module empty	0.050	**2324237**	EI-1500 CT1-2163TXB L

1500 CT1-VDE 2170 PZ

VDE SCREWDRIVER SET in 1/3 CT tool module

1000 V



Contents	kg	Code	No.
VDE 2170 4 5,5 6,5 8 **VDE 2160 PZ 1 2**	0.625	**2309173**	1500 CT1-VDE 2170 PZ

Description	kg	Code	No.
CT tool module empty	0.050	**2322552**	EI-1500 CT1-VDE2170PZ L

1500 CT1-VDE 142

VDE PLIERS SET in 1/3 CT tool module

1000 V

Contents	kg	Code	No.
142 10 C **VDE 8250-180 H** **VDE 8132-160 H** **VDE 8314-160 H**	1.160	**2309033**	1500 CT1-VDE 142

Description	kg	Code	No.
CT tool module empty	0.050	**2322439**	EI-1500 CT1-VDE142 L

1500 CT1-350

CHISEL SET in 1/3 CT tool module

Contents	kg	Code	No.
97-250 **98-125** **99 12-5** **100-12** **119-1,5 3 4** **600 H-300**	1.425	**2309041**	1500 CT1-350

Description	kg	Code	No.
CT tool module empty	0.050	**2322447**	EI-1500 CT1-350 L

1500 CT1-142

PLIERS SET in 1/3 CT tool module

Contents	kg	Code	No.
142 10 JC **8250-180 JC** **8132-160 JC** **8316-160 JC**	1.220	**2309025**	1500 CT1-142

Description	kg	Code	No.
CT tool module empty	0.050	**2322420**	EI-1500 CT1-142 L

1500 CT1-8000

CIRCLIP PLIERS in 1/3 CT tool module

Contents	kg	Code	No.
8000 A 1 **8000 A 2** **8000 A 21** **8000 J 1** **8000 J 2** **8000 J 21**	1.010	**2309181**	1500 CT1-8000

Description	kg	Code	No.
CT tool module empty	0.050	**2322560**	EI-1500 CT1-8000 L

1500 CT1-711

PRECISION MECHANICS in 1/3 CT tool module

Contents	kg	Code	No.
140 **4534-5** **708** **711** **720** **745**	0.930	**2309084**	1500 CT1-711

Description	kg	Code	No.
CT tool module empty	0.050	**2322463**	EI-1500 CT1-711 L

CT TOOL MODULES 2005 CT

CT MODULES 2005 CT FOR VOLUME DRAWERS

In 2 sizes:

- CT4 = 1/1 drawer 2005 (633 x 390 x 35 mm)
- CT2 = 1/2 drawer 2005 (316.5 x 390 x 35 mm)

- CT4 suitable for 2005, 1504 XL, 2430
- CT2 suitable for 1506 XL, 1504 and 2004

2005 CT4-U-20

SOCKET SET 1/4"-3/8"-1/2" in 4/4 CT tool module

- Dimensions: 633 x 390 x 35 mm

Contents	kg	Code	No.
20 5,5 6 7 8 9 10 11 12 13 14 **2093 U-20, 2093 U-3 T** **2090-4 -6, 2095** **D 30 8 9 10 11 12 13 14 15 16 17 18 19 21 22** **IN 30 L 4 5 6 7 8 10** **ITX 30 L T20 T25 T27 T30 T40 T45 T50** **TX 30 E5 E6 E7 E8 E10 E11 E12 E14** **IKS 30 1 2 3, IKS 30 PZD 1 2 3** **IS 30 5,5 6,5 8 10 12** **52 , 53 , 56** **3093 U-20, 3090 A-5 -10 3095** **D 19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 27 30 32, 1993 U-20, 1990-5 -10, 1930 , 1995 , 1996**	7.4	**2016257**	2005 CT4-U-20

BASIC MODULES

2005 CT2-D 19

SOCKET SET 1/2" in 2/4 CT tool module

- Dimensions: 316.5 x 390 x 35 mm

Contents	kg	Code	No.
19 34 36 **D 19 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 32** **1990-5 -10, 1993 U-20** **1995, 1996**	4.4	**2016494**	2005 CT2-D 19

2005 CT2-D 30

SOCKET SET 3/8" in 2/4 CT tool module

- Dimensions: 316.5 x 390 x 35 mm

Contents	kg	Code	No.
D 30 10 11 12 13 14 15 16 17 18 19 20 21 22 D 30 1/4 5/16 3/8 13/32 7/16 1/2 9/16 19/32 5/8 11/16 3/4 13/16 25/32 7/8 15/16 1" D 30 L 10 13 17 19 22 52 , 53 , 56, 3090-3 -5 -10, 3093 U-20, 3095, 3096	3.4	**2016486**	2005 CT2-D 30

2005 CT2-D 20

SOCKET SET 1/4" in 2/4 CT tool module

- Dimensions: 316.5 x 390 x 35 mm

Contents	kg	Code	No.
D 20 4 4,5 5 5,5 6 7 8 9 10 11 12 13 D 20 3/16 7/32 1/4 9/32 5/16 11/32 13/32 3/8 7/16 1/2 9/16" 20 L 4 4,5 5 5,5 6 7 8 9 10 11 12 13 2093 U-20, 2090-2 -4 -12 2095, 2097, 2098 T 639, 620, 680 4 6,5 685 3 4 5 6, 685 X 5 6 8 690 1 2, 690 PZD 1 2 3 687 TX T8 T9 T10 T15 T20 T25 T27 T30 T40	1.6	**2016478**	2005 CT2-D 20

2005 CT3-32

SOCKET SET 3/4" in 3/4 CT tool module

- Dimensions: 472.5 x 390 x 50 mm
- Suitable for: all drawers of models B 1500, 1502, 1505
- only drawers with height 137 and 207 mm of models 1504, 1504 XL, 1506, 2004, 2005
- bottom drawer of model 2500

Contents	kg	Code	No.
32 22 24 27 30 32 36 38 41 46 50 3290-8 -16 3293 U-2, 3287	9.0	**2752727**	2005 CT3-32

2005 CT4-2-7

COMBINATION SPANNER SET in 4/4 CT tool module

- Dimensions: 633 x 390 x 35 mm

Contents	kg	Code	No.
2 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 7 6 7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 24 27 7 R 10 11 12 13 14 15 16 17 18 19 22	5.8	**2016265**	2005 CT4-2-7

2005 CT4-7 XL

COMBINATION SPANNER SET in 4/4 CT tool module

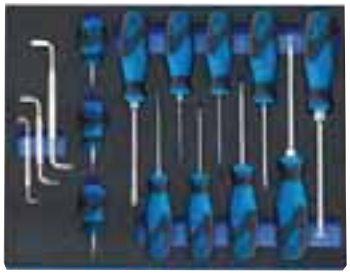
- Dimensions: 633 x 390 x 35 mm

Contents	kg	Code	No.
7 XL 10 11 12 13 14 15 16 17 18 19 21 22 24 27 30 32 36 41	8.2	**2704226**	2005 CT4-7 XL

2005 CT2-2160

SCREWDRIVER SET in 2/4 CT tool module

- Dimensions: 316.5 x 390 x 35 mm



Contents	kg	Code	No.
2160 PH 1 2 3 2160 PZ 1 2 3 2154 3,5 5,5 8 2153 4 2161 PH 1 2161 PZ 1 173 4 8 174 1	1.2	**2016311**	2005 CT2-2160

2005 CT2-119

TOOL SET in 2/4 CT tool module

◤ Dimensions: 316.5 x 390 x 35 mm

Contents	kg	Code	No.
95-200,99 12-3 12-5 12-6 12-8 100-12 , 119-3 -4 -5 -6 -8 -84 -86 -175 , 132-150 , 133-150 , 133 D-150 , 702 20 M , 706 708 , 711 , 4612	2.4	**2016338**	2005 CT2-119

2005 CT4-2160-119

TOOL SET in 4/4 CT tool module

◤ Dimensions: 633 x 390 x 35 mm

Contents	kg	Code	No.
2160 PH 1 2 3 2160 PZ 1 2 3 2154 3,5 5,5 8 2153 4, 2161 PH 1, 2161 PZ 1 173 4 8, 174 1 95-200, 99 12-3 12-5 12-6 12-8 100-12 119-3 -4 -5 -6 -8 -84 -86 -175 132-150, 133-150, 133 D-150 702 20 M, 706, 708, 711, 4612	3.6	**2016435**	2005 CT4-2160-119

2005 CT4-8000

TOOL SET in 4/4 CT tool module

◤ Dimensions: 633 x 390 x 35 mm

Contents	kg	Code	No.
600 H-300 -500, 248 ST-40, 142 10 JC, 8132-160 JC, 8316-160 JC 8250-180 JC 8000 A 1 A 2 A 21 8000 J 1 J 2 J 21	4.0	**2016303**	2005 CT4-8000

E-2005 CT

LENGTHWISE DIVIDER without slots

◤ To fix the modules 2005 CT2

H	kg	Code	No.
40	0.248	**2104601**	E-2005 CT H-40

SUPPLEMENT MODULES

2005 CT2-TX 30

SOCKET SET 3/8" in 2/4 CT tool module

◤ Dimensions: 316.5 x 390 x 35 mm

Contents	kg	Code	No.
IN 30 4 5 6 7 8 10 IN 30 L 4-95 5-95 6-95 7-95 8-95 10-95 IN 30 LK 4 5 6 8 10 ITX 30 T20 T25 T27 T30 T40 T45 T50 ITX 30 B T20 T25 T27 T30 T40 T45 T50 ITX 30 L T20 T25 T27 T30 T40 T45 T50 TX 30 E5 E6 E7 E8 E10 E11 E12 E14 INX 30 5 6 8, INX 30 L 6 8 10	3.0	**2016508**	2005 CT2-TX 30

2005 CT2-D 19L

SOCKET SET 1/2" in 2/4 CT tool module

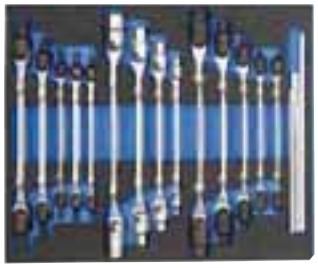
◤ Dimensions: 316.5 x 390 x 35 mm

Contents	kg	Code	No.
D 19 L 10 12 13 14 15 16 17 18 19 21 22 24 27 30 32 34 IN 19 10 12 14 17 19, IN 19 L 12-140 14-140 IN 19 LK 10-140 12-140, INX 19 12 14 INX 19 L 12-100 14-100, ITX 19 T55 T60 ITX 19 B T50 T55 T60, ITX 19 L T55-100 T60-100 TX 19 E16 E18 E20 E24	2.0	**2016516**	2005 CT2-D 19L

2005 CT2-TX

SET SWIVEL HEAD WRENCHES DOUBLE ENDED in 2/4 CT tool module

◤ Dimensions: 316.5 x 390 x 35 mm



Contents	kg	Code	No.
ITX 34 T15xT20 T25xT27 T30xT40 T45xT50 T55xT60 TX 34 E6xE8 E10xE12 E14xE18 E20xE24 IN 34 3x4 5x6 8x10 12x14 17x19 26 D 6 8 10 12	3.4	**2016273**	2005 CT2-TX

2005 CT2-INR

SCREWDRIVER BIT SOCKET SET 1/2" in 2/4 CT tool module

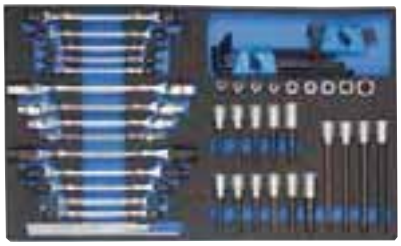
◤ Dimensions: 316.5 x 390 x 35 mm

Contents	kg	Code	No.
ITX 19 B T20 T25 T27 T30 T40 T45 T50 T55 T60 INX 19 L 6-100 8-100 10-100 12-100 14-100 INR 19 L M5-100 M6-100 M6-188 M8-100 M8-188 M10-100 M10-188 M12-100 M12-188 M14-100 H 42 KEL-88 (2 2,5 3 4 5 6 8 10) H 43 TX-09 (T7 T8 T9 T10 T15 T20 T25 T30 T40)	3.6	**2016281**	2005 CT2-INR

2005 CT4-TX-INR

SOCKET SET in 4/4 CT tool module

◤ Dimensions: 633 x 390 x 35 mm

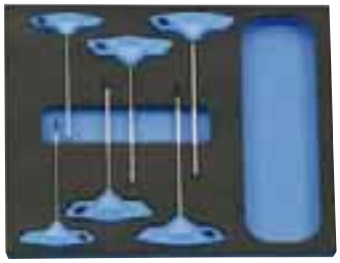


Contents	kg	Code	No.
ITX 34 T15xT20 T25xT27 T30xT40 T45xT50 T55xT60 TX 34 E6xE8 E10xE12 E14xE18 E20xE24 IN 34 3x4 5x6 8x10 12x14 17x19 26 D 6 8 10 12 ITX 19 B T20 T25 T27 T30 T40 T45 T50 T55 T60 INX 19 L 6-100 8-100 10-100 12-100 14-100 INR 19 L 5-100 6-100 6-188 8-100 8-188 10-100 10-188 12-100 12-188 14-100 H 42 KEL-88 (2 2,5 3 4 5 6 8 10) H 43 TX-09 (T7 T8 T9 T10 T15 T20 T25 T30 T40)	7.0	**2016389**	2005 CT4-TX-INR

2005 CT2-42 TX

SCREWDRIVER SET in 2/4 CT tool module

◤ Dimensions: 316.5 x 390 x 35 mm

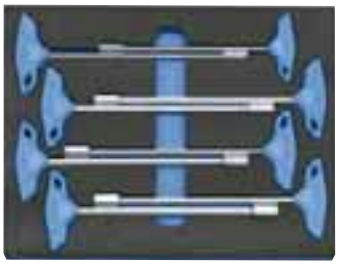


Contents	kg	Code	No.
42 TX T15 T20 T25 T27 T30 T40	0.4	**2016559**	2005 CT2-42 TX

2005 CT2-33 T

NUT DRIVER SET in 2/4 CT tool module

◤ Dimensions: 316.5 x 390 x 35 mm

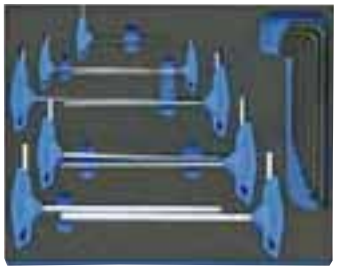


Contents	kg	Code	No.
33 T 7 8 9 10 11 12 13 14	1.2	**2016532**	2005 CT2-33 T

2005 CT2-DT 42

HEXAGON ALLEN KEY SET in 2/4 CT tool module

◤ Dimensions: 316.5 x 390 x 35 mm

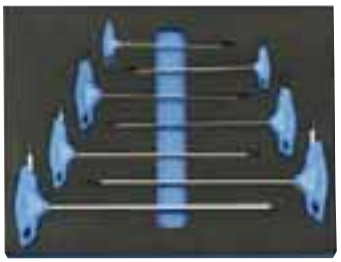


Contents	kg	Code	No.
DT 42 2 2,5 3 4 5 6 7 8 10 H 42 KEL-88 (2 2,5 3 4 5 6 8 10)	0.8	**2016540**	2005 CT2-DT 42

2005 CT2-43 KTX

HEXAGON ALLEN KEY SET in 2/4 CT tool module

◤ Dimensions: 316.5 x 390 x 35 mm



Contents	kg	Code	No.
DT 43 KTX T10 T15 T20 T25 T27 T30 T40	0.6	**2016567**	2005 CT2-43 KTX

GEDORE INDIVIDUAL ... CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

◤ From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.

◤ **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
◤ Your problems are our assignments.
◤ Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

Technical Symbols

- Weight (total)
- Length (total)
- Diameter (also dia. of head, of shaft, of points)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Screw dimension (type of thread)
- Square drive (external)
- Hexagon drive (internal)
- Throat depth
- Opening capacity
- Drive sections
- Slotted
- Cross-slotted PH
- Internal square
- Hexagon internal
- Female three-square
- Stepped key
- External hexagon
- Bi-hexagon external
- Unit Drive hexagon
- Unit Drive bi-hexagon
- Unit Drive
- Internal-TORX®
- External TORX®
- Hexagon
- Bi-hexagon
- Scale divisions
- magnetic
- Pivoting angle
- new
- Multi fitting key
- Shaft profiles
- Catalogue page

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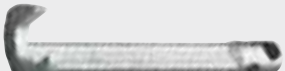
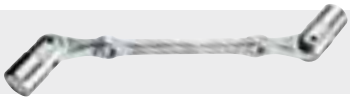
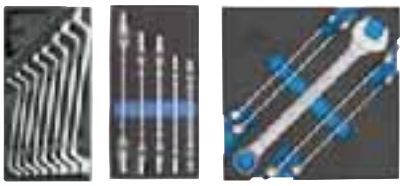




VDE TOOLS 532 - 551

MODULES 100 - 113



Durable and for high loadings

- For heavy continuous use and safety in everyday work
- High torque - GEDORE quality spanners do not fracture or splinter when overloaded, but deform under incorrect use, therefore posing a lower risk of injury to the user
- Comfortable to hold due to ergonomic profiles without sharp edges
- Secure grip even with oily hands
- Non-glare look thanks to matt chrome-plating

A well-functioning extended range

- Extremely large selection in standardised and non-standardised, metric (mm), imperial (AF) and Whitworth (W) sizes
- Top-grade industrial quality for the hardest of continuous use
- Available individually or in practical sets or modules
- Customised manufacturing, designs and types on request

SIZE COAT MOD

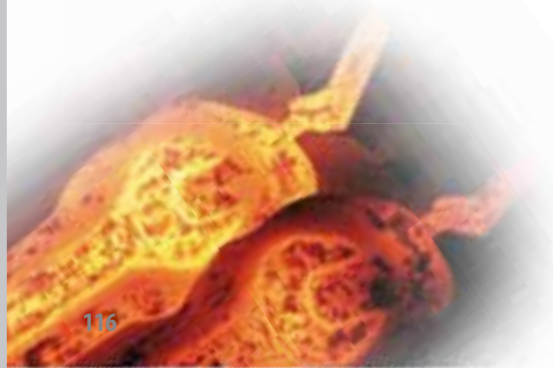
Everything safely under control

- Use of the very best raw materials, state-of-the-art machinery and environmentally-friendly production processes
- Tools without chrome VI have been a given thing for several years
- Our tool experts guarantee precision-like processing and permanent development
- Unique manufacturing processes and special tool treatment for optimum results
- Stringent quality checks after each production step ensure a constantly high level
- Professional service through to development of special customised tools

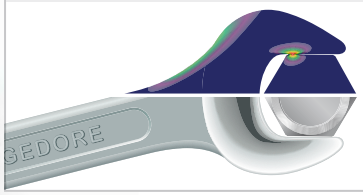
FORGE

Precision, correct measurements and perfect fit

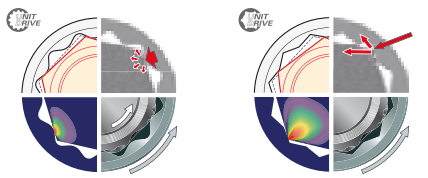
- The most important requirements a safe working environment
- Complete transmission of available torque
- Long life of nut and bolt
- Profiles easy on the bolt heads (UD, jaw, hexagon)
- Minimum production tolerances ensure that spanners fit perfectly on bolts



TOLERANCES 118



UNIT-DRIVE PROFIL 119



Spanner matrix

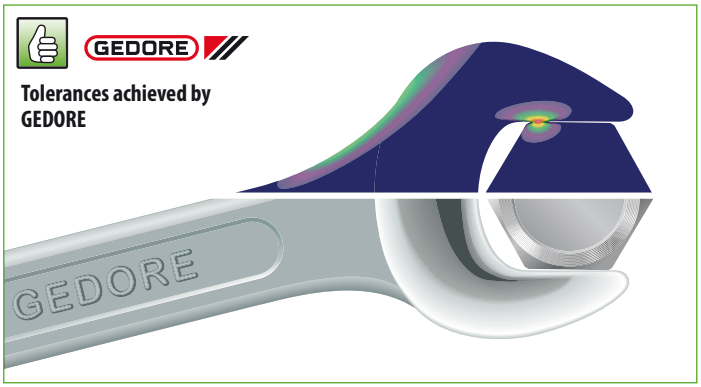
Why matt chrome-plated?

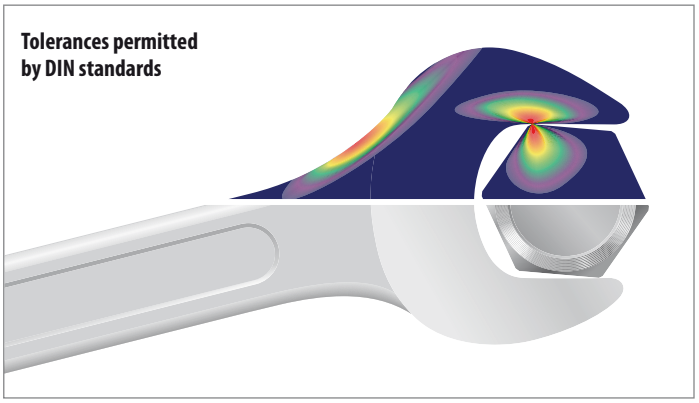
- Non-glare look
- Non-slip surface for a firm grip even when hands are dirty
- Double protection against corrosion. A nickel layer is applied before chrome-plating. Nickel and chrome: these two layers combine to form optimum protection against corrosion.
- Chrome chips are practically unheard of on matt chrome-plated tools
- The matt chrome-plated GEDORE finish retains its elegant look for decades

Type / Series		Special		mm	"AF	Whitw.			
Combination spanner set				3 → 80 mm	3/16" AF → 2.7/16" AF	1/8 W → 3/4 W			
No. 1 B	UNIDRIVE		matt chrome-plated	5 - 80 mm	1/4" AF - 2.7/16" AF	1/8 W - 3/4 W	●	●	
No. 7	UNIDRIVE		matt chrome-plated	3 - 36 mm	3/16" AF - 1" AF	–	●	●	
No. 7 XL	UNIDRIVE		matt chrome-plated	7 - 46 mm	–	–	●	●	
No. 7 R	UNIDRIVE	Schlüsselknarre R-Serie	matt chrome-plated	8 - 36 mm	–	–	●	●	
No. 7 UR	UNIDRIVE	Schlüsselknarre R-Serie	matt chrome-plated	8 - 24 mm	–	–	●		
No. 7 R XL	UNIDRIVE	Schlüsselknarre R-Serie	matt chrome-plated	13 - 36 mm	–	–			
No. 7 R XS	UNIDRIVE	Schlüsselknarre R-Serie	matt chrome-plated	8 - 19 mm	–	–			
No. 7 UR XL	UNIDRIVE	Schlüsselknarre R-Serie	matt chrome-plated	13 - 24 mm	–	–			
No. 7 UR XS	UNIDRIVE	Schlüsselknarre R-Serie	matt chrome-plated	8 - 19 mm	–	–			
Open ended spanner				4 → 135 mm	5/32" AF → 1.1/2" AF	1/8 W → 1 W			
No. 6			matt chrome-plated	4 x 4,5 - 46 x 50 mm	1/4 x 5/16" AF - 1.3/8" x 1.1/2" AF	1/8 x 3/16 W - 7/8 x 1 W	●	●	
No. 8			matt chrome-plated	4 -14 mm	5/32" AF - 7/16" AF	–	●		
No. 60 CP			matt chrome-plated	0 - 36 mm	–	–			
No. 60 P				0 - 36 mm	–	–			
No. 62 P				0 - 63 mm	–	–			
No. 60 S				0-36 mm	–	–			
No. 894			manganese-phosphated	6 - 135 mm	1/4" AF - 1.1/8" AF	–			
No. 895			manganese-phosphated	6 x 7 - 75 x 80 mm	–	–			
Ring spanner				5 → 90 mm	1/4" AF → 1.5/16" AF	3/16 W → 7/8 W			
No. 2	UNIDRIVE		matt chrome-plated	5,5 x 7 - 85 x 90 mm	1/4 x 5/16"AF - 1.1/8 x 1.5/16"	3/16 x 1/4 W - 3/4 x 7/8 W	●	●	
No. 2B	UNIDRIVE		matt chrome-plated	6 x 7 - 17 x 19 mm	–	–	●		
No. TX 4			matt chrome-plated	E6 x E8 - E20 x E24	–	–			
No. 4	UNIDRIVE		matt chrome-plated	6 x 7 - 46 x 50 mm	–	–	●		
No. 4 R	UNIDRIVE	Schlüsselknarre R-Serie	matt chrome-plated	8 x 9 - 18 x 19 mm	1/4 x 5/16" AF - 1/2 x 9/16" AF	–			
No. 400			matt chrome-plated	8 x 10 - 46 x 50 mm	5/16 x 3/8" AF - 7/8 x 1" AF	–		●	
No. 304	UNIDRIVE		matt chrome-plated offset	11 x 13 - 19 x 22mm	7/16 x 1/2" AF - 3/4 x 7/8" AF	–			
Slogging spanner				24 → 175 mm	1" AF → 4.1/2" AF	–			
No. 133			shotblast finish	27 - 170 mm	1" AF - 4" AF	–			
No. 306			shotblast finish	24 - 175 mm	1" AF - 4.1/2" AF	–			
No. 306 G			shotblast finish	27 - 110 mm	–	–			
Deep ring spanner				24 → 95 mm	–	–			
No. 308			shotblast finish	32 - 65 mm	–	–			
No. 2 A			matt chrome-plated	24 - 95 mm	–	–	●		

The key to success

Hi-tech for the perfect size

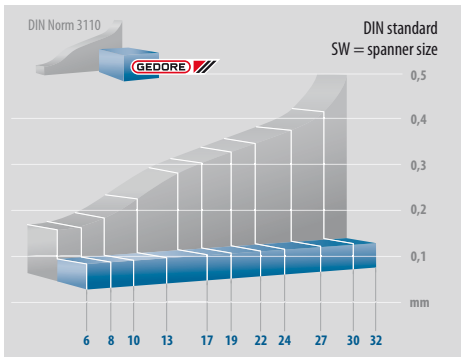




Your Advantage - Your PLUS in safety

- Precision dimensions ensure secure nut and bolt grip
- Long life of nut and bolt
- Complete transmission of available torque
- Top quality for better safety

Open-ended spanners have been made since the dawn of technology. But the continued use of traditional tools does not mean that they are still manufactured by conventional production processes. Tried and tested production stages are subject to continuous development by our workforce. Where modern technology can improve the quality, it is used. GEDORE grinds the spanner jaws to the exact rated size, using a high-tech grinding machine. Perfect fit is the most important requirement for non-damaging and safe work.



The production of a spanner

From the tool blank to the final product. Quality comes with existence - Step by Step.

(1) ... High-Quality Steel 31CrV3
Highly-efficient eccentric presses cut the blank for an open-ended spanner from high-quality flat steel.

(2) ... Hot Forging Process
In the pusher furnace, the blank is heated to the exact pre-selected temperature and enters the forge while still red hot. The steel is given its form under the multi-ton blows of a drop hammer.

(3) ... Thermally Hardened
Using a special thermal treatment, achieves maximum hardness - and a guarantee of long service life.

(4) ... Precisely Ground
The jaws of the spanners are given their exact dimensions only after the hardening process. For this purpose, a high-tech grinding robot has been developed especially for this operation.

(5) ... Carefully Smoothed
Any corners and edges still remaining are smoothed off by vibratory grinding, until the heads and shaft are absolutely free of burrs. The heads are additionally ground.

(6) ... Extensively Treated
The extensive electroplating gives the spanners an effective surface protection and a perfect appearance. During this process, an efficient recycling plant ensures that the environment will not be affected.

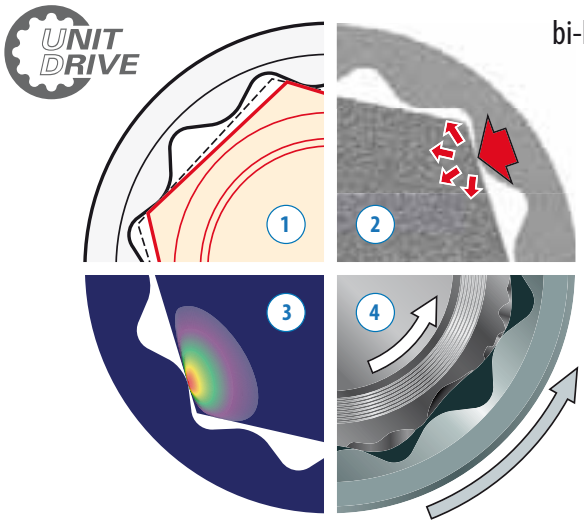
GEDORE UNIT DRIVE Profile

A perfect fit to protect the bolt

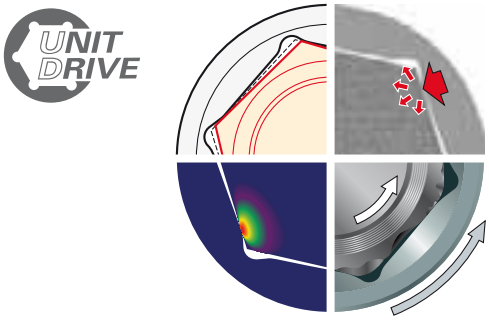
GEDORE UNIT DRIVE Profile

- The GEDORE UNIT DRIVE profile stops bolts from "turning round and round" by using of a wave form without any tipped or sharp edges.
- Enlarged, round contact surfaces of the GEDORE tools ensure that torque is reliably transferred - acting uniformly, as it does, on the bolt.
- The resulting minimised notching effect prevents any damage to the bolt profile. This represents added safety since - even with damaged bolts - there is no slipping or turning.

bi-hexagon



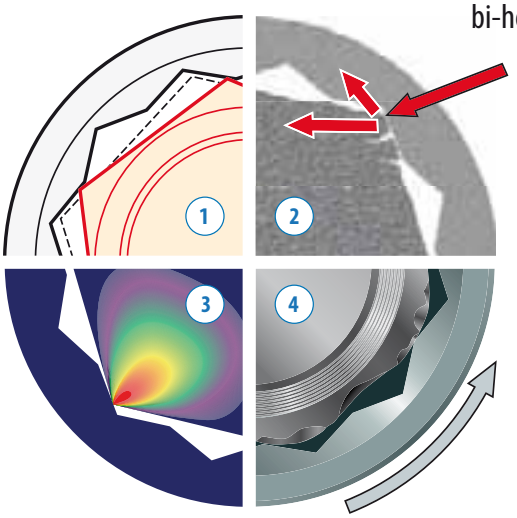
hexagon



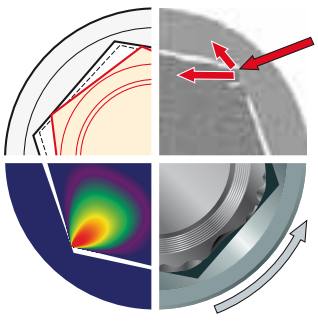
1. A large contact surface provides a secure force closure even for those bolts whose sizes lie outside of the tolerances.
2. Uniform distribution of the force on the bolt flanks. The resulting reduced notching effect stops the bolt from turning round and round.
3. Gentle torque transfer enables even worn bolts to be unscrewed with every certainty - no slipping of the tool at all.
4. Thanks to the optimally distributed force up to 20 % higher torques can be transferred.

Traditional profile

bi-hexagon



hexagon



1. The reduced contact surface lessens the force closure. Certain torque transfer is no longer possible and can become a risk.
2. The influence exerted of the sharp edges raises the notching effect on the bolt. The profile is ruined.
3. Since there is no longer any torque transfer, the rounded bolt profiles cannot be unscrewed - the tool keeps on slipping.
4. Pronounced force on the tip of the bolt profile. Concentrated pressure deforms the bolt.

The revolution

A perfect collection

All the benefits...
of the GEDORE U-20 technology,
classic No. 6 and the slim,
tried-and-tested No. 7
... have been combined into these ratchet wrenches 7 R + 7 UR:

The ratchet (U-20)

... extra flat and sturdy - ideal for tough use and even at hard-to-reach areas

Extremely compact and highly efficient - for quick deployments and also under cramped conditions. The tried-and-tested U-20 ratchet technology incorporated in an extremely flat ring head ensures efficient ratcheting work - For both loosening and fast tightening. The sturdiness of the ratchet wrench is very much down to the number of teeth intentionally selected. The GEDORE pawl geometry optimises the actually large working angle occasioned by a small number of teeth.

The non-glare look with grip (No. 6 + 7)

... an extremely assured grip thanks to the surface profile - matt chrome-plated

The spanner surface is designed for both practical application and eye-appeal. The non-glare look comes from matt chrome-plating - the GEDORE surface profile is both kind-on-hands and very useful - a firm grip even with oily hands.

The UD profile (No. 7)

... extremely easy on the bolt heads with the force ideally transferred

The wave form of the profile enlarges the spanner grip in every case - even with bolts whose dimensions are outside the tolerance range. Even distribution of pressure permits the maximum force to be applied.

The jaw (No. 6)

... highly dimensionally accurate / extremely precise - for non-damaging and safe working

The exact nominal dimension of the jaw and thus its fitting precision ensure a secure bolt fitting and long service life of both bolt and ratchet wrench - the most important requirement, in fact, for non-damaging and safe working.

The hollow shaft (No. 7)

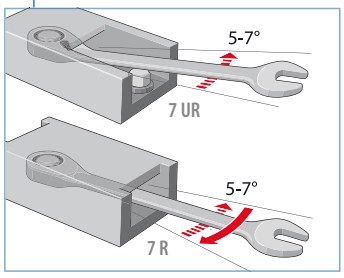
... highly stable - ideal for transferring maximum forces

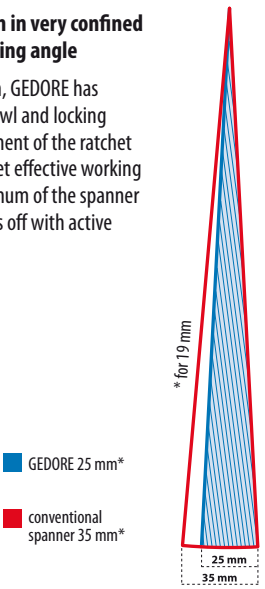
The kind-to-hands hollow profile makes for easy and tireless bolting. The GEDORE hollow profile has a geometry similar to that of a double T-girder. This makes it possible for substantial forces - particularly with large spanner sizes (34 and 36 mm) - to be transferred.

The working angle

... extremely rapid deployment even in very confined spaces thanks to its very small working angle

With an immediate meshing mechanism, GEDORE has managed to reduce the play between pawl and locking insert to practically nothing. This refinement of the ratchet technology has produced a very small, yet effective working angle. This means a reduction to a minimum of the spanner dead operating angle. The spanner starts off with active power where others are still at idle.





Long life cycle

... precise and reliable, environment and maintenance-friendly

The fact that the ratchet spanner can be serviced underpins its sustainability. Even after any instance of incorrect use (e.g. given considerable soiling, overstressing or moisture...) the ratchet wrench can be quickly made operable. Unscrew, slight re-greasing, screw down - and then continue to reliably undo the bolts.

Schlüsselknarre® R-Serie

The production of a ratchet wrench

From the tool blank to the final product
Quality comes with existence - Step by Step "Made in Germany"

(1) ... high-quality steel 31CrV3, ideal for hand tools
Highly-efficient eccentric presses cut the blank for a ratchet wrench from high-quality flat steel. The coming shape, powerful heads and slim shaft can even be recognised at this stage.

(2) ... hot forging process
In the forging furnace the blank is heated to the exact pre-selected temperature and enters the forge while still red hot. The steel is given its form in the die under the multi-ton blows of a drop hammer. Any excess steel at the sides is then de-burred.

(3) ... machined
The ratchet head is brought to the precise dimension in a CNC machining centre.

(4) ... tempering
A special thermal treatment involving inert gas provides the tool with its extreme hardness and toughness - indispensable for a particularly long service life. Hardening ensures the required hardness and the annealing which follows imparts that toughness to the ratchet wrench body. Hardening and annealing together are referred to as tempering.

(5) ... precisely ground
The jaws of the spanners are given their exact dimensions only after the hardening process. For this purpose, a high-tech grinding robot has been developed especially for this operation.

(6) ... smoothed in a kind-to-hands manner
After grinding has produced a clean-cut, burr-free outer surface for our ratchet wrench bodies, any corners and edges still remaining are smoothed off by vibratory grinding until the head and shaft are likewise absolutely clean-cut and burr-free. The heads are additionally ground. This gives rise to GEDORE's kind-on-hands haptics.

(7) ... extensively treated
The extensive electroplating gives the spanners an effective surface protection and a perfect appearance. Nickel-plating provides the ratchet wrench body with optimal corrosion protection and the non-glare finish comes from high-grade matt chrome-plating.

The production of a ratchet insert

(8) ... high-quality steel brought precisely into shape
High-quality GEDORE special hardened and tempered steel brought precisely into shape on the most up-to-date CNN machining centres.

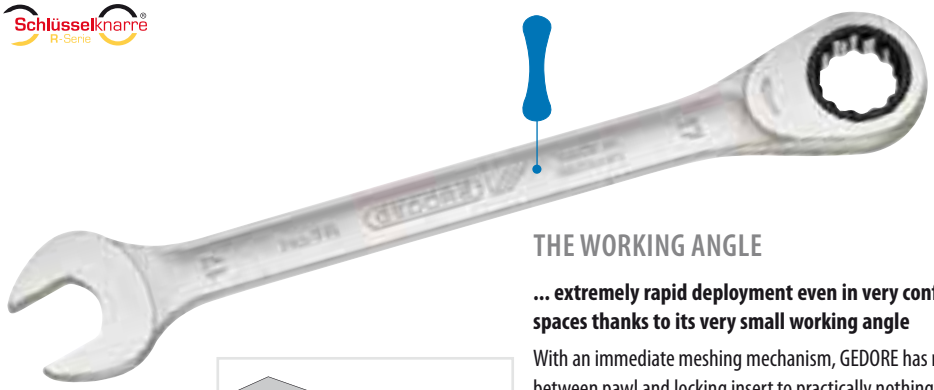
(9) ... unmistakable profile
The unmistakable, easy-on-bolts Unit Drive Profile (UD) is precisely reamed to size on highly-efficient reaming presses. Tempering is followed by the screw insert being manganese-phosphated. It protects from corrosion and lessens friction-induced wear.

Merging

Schlüsselknarre R-Serie **(10) ... marriage**

- Ratchet wrench body, screw insert, cap and mechanisms are assembled. (Technicians traditionally refer to this as the marriage process.) This is accompanied at the same time by the functional check. Coming into play very much here is the knowledge and extensive track record of our staff.
- **And ready is the GEDORE ratchet wrench - made by GEDORE - made in Germany!**

Schlüsselknarre R-Serie

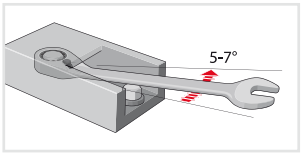


UNIT DRIVE

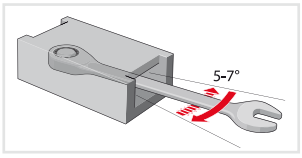
THE WORKING ANGLE

... extremely rapid deployment even in very confined spaces thanks to its very small working angle

With an immediate meshing mechanism, GEDORE has managed to reduce the play between pawl and locking insert to practically nothing. This refinement of the ratchet technology has produced a very small, yet effective working angle. This means a reduction to a minimum of the spanner dead operating angle. The spanner starts off with active power where others are still at idle.

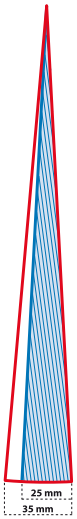


7UR



7R

mm
8 – 36

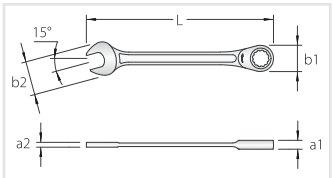


7 R

COMBINATION RATCHET SPANNER

UNIT DRIVE mm

- With same size each end
- Flat pattern
- UD profile
- Working angle: 7° from 8 to 15 mm, 6° from 16 to 27 mm and 5° from 30 to 36 mm
- For ratchet loosening and fast tightening
- High torque transfer
- Hollow profile comfortable to hold
- Warp-resistant geometry with double T-girder effect
- GEDORE vanadium steel 31CrV3
- Non-glare look thanks to matt chrome-plating, locking insert and pawl manganese-phosphated
- Hot forged
- Jaw exactly ground to spanner size
- Tried-and-tested GEDORE technology combined anew: spanner jaws of classic No. 6, stable hollow shaft of No. 7 and refined mechanism of the U-20 ratchets
- In combination with adaptor 7 RA or 7 RB (please order separately) the spanner 7 R can be used as a (bit) ratchet
- European Patent applied



Schlüsselknarre R-Serie

mm	°	L	a_1	a_2	b_1	b_2	kg	Code	No.
8	7	140	7.0	3.8	17.5	19.8	0.032	**2297051**	7 R 8
9	7	150	7.3	3.9	19.3	21.5	0.042	**2297078**	7 R 9
10	7	160	7.7	4.1	21.0	23.0	0.054	**2297086**	7 R 10
11	7	164	8.1	4.3	22.5	26.0	0.063	**2297094**	7 R 11
12	7	170	8.6	4.6	23.6	27.5	0.069	**2297108**	7 R 12
13	7	180	9.0	4.7	25.7	30.0	0.088	**2297116**	7 R 13
14	7	190	9.4	4.9	28.2	31.8	0.101	**2297124**	7 R 14
15	7	200	9.8	5.2	29.5	34.0	0.125	**2297132**	7 R 15
16	6	212	10.2	5.7	31.7	35.0	0.137	**2297140**	7 R 16
17	6	225	10.6	5.9	33.6	38.0	0.160	**2297159**	7 R 17

mm	°	L	a_1	a_2	b_1	b_2	kg	Code	No.
18	6	237	11.0	6.1	34.6	40.0	0.197	**2297167**	7 R 18
19	6	250	11.7	6.4	36.3	42.0	0.202	**2297175**	7 R 19
21	6	274	12.5	6.9	40.0	45.5	0.262	**2219433**	7 R 21
22	6	292	13.3	7.1	42.5	48.0	0.319	**2297191**	7 R 22
24	6	325	14.8	7.9	48.0	52.5	0.520	**2297205**	7 R 24
27	6	359	16.0	8.3	53.5	59.5	0.590	**2297213**	7 R 27
30	5	399	17.4	8.8	59.0	63.0	0.780	**2297221**	7 R 30
32	5	424	17.9	9.3	63.0	67.5	0.920	**2297248**	7 R 32
34	5	449	18.4	9.7	65.5	72.0	1.010	**2219549**	7 R 34
36	5	480	18.9	10.2	70.0	75.0	1.208	**2219557**	7 R 36

7 R-005

COMBINATION RATCHET SPANNER SET 5 pieces

- Most used sizes combined in a set
- Flat pattern
- UD profile
- High torque transfer
- In plastic case
- Dimensions: 275 x 150 x 42 mm

Contents	kg	Code	No.
8 10 13 17 19	0.932	**2297434**	7 R-005

7 R-012

COMBINATION RATCHET SPANNER SET 12 pieces

- Most used sizes combined in a set
- Flat pattern
- UD profile
- High torque transfer
- In robust sheet-metal case
- Dimensions: 320 x 210 x 55 mm

Contents	kg	Code	No.
8 9 10 11 12 13 14 15 16 17 18 19	2.840	**2297442**	7 R-012

7 R A-008

COMBINATION RATCHET SPANNER SET 8 pieces

- With adaptors for 1/4", 3/8" and 1/2" square drive as well for 1/4" bits
- In plastic case
- Dimensions: 275 x 150 x 42 mm

Contents	kg	Code	No.
7 R 10 13 17 19 **7 RA-6,3 -10 -12,5** **7 RB-6,3**	1.140	**2329085**	7 R A-008

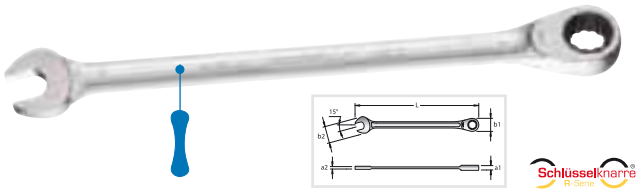
→ 7 RA 125

→ 7 RB 125

7 R XL

COMBINATION RATCHET SPANNER extra long

- With same size each end
- Flat pattern
- UD profile
- Working angle: 7° from 13 to 15 mm, 6° from 16 to 27 mm and 5° from 30 to 36 mm
- For ratchet loosening and fast tightening
- High torque transfer
- Long lever arm for powerful screwing, 33 % longer than standard spanners
- Hollow profile comfortable to hold
- Warp-resistant geometry with double T-girder effect
- GEDORE vanadium steel 31CrV3
- Non-glare look thanks to matte chrome-plating, locking insert and pawl manganese-phosphated
- Hot-forged
- Jaw exactly ground to spanner size
- Tried-and-tested GEDORE technology combined anew: solid spanner jaws of classic No. 7 XL, stable hollow shaft of No. 7 and refined mechanism of the U-20 ratchets
- European Patent applied

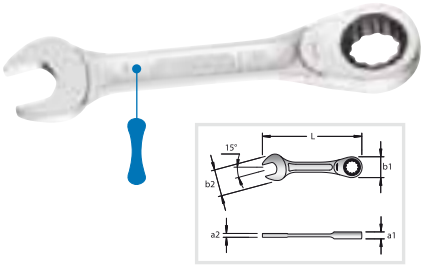


mm	°	L	a_1	a_2	b_1	b_2	kg	Code	No.
13	7	240	12.0	5.8	26.1	30.0	0.160	**2300265**	7 R XL 13
14	7	253	12.5	6.3	28.6	31.8	0.180	**2300281**	7 R XL 14
15	7	265	13.0	6.8	30.0	34.0	0.200	**2300303**	7 R XL 15
16	6	282	13.6	7.4	32.2	35.0	0.260	**2300311**	7 R XL 16
17	6	300	14.1	8.4	34.1	38.0	0.280	**2300338**	7 R XL 17
18	6	315	14.6	8.4	35.1	40.0	0.300	**2300346**	7 R XL 18
19	6	333	15.6	9.4	36.9	42.0	0.360	**2300354**	7 R XL 19
21	6	364	16.6	9.4	40.6	45.5	0.440	**2300362**	7 R XL 21
22	6	388	17.7	10.8	43.2	48.0	0.540	**2300370**	7 R XL 22
24	6	432	19.7	11.8	48.7	52.5	0.740	**2300389**	7 R XL 24
27	6	478	21.3	12.8	54.3	59.5	0.940	**2300397**	7 R XL 27
30	5	530	23.1	13.8	59.9	63.0	1.200	**2300400**	7 R XL 30
32	5	564	23.8	13.8	63.9	67.5	1.500	**2300419**	7 R XL 32
36	5	638	25.1	14.8	70.9	75.0	1.920	**2300427**	7 R XL 36

7 R XS

COMBINATION RATCHET SPANNER extra short

- With same size each end
- Flat pattern
- UD profile
- Working angle: 7° from 8 to 15 mm, 6° from 16 to 19 mm
- For ratchet loosening and fast tightening
- High torque transfer
- Hollow profile comfortable to hold
- Warp-resistant geometry with double T-girder effect
- GEDORE vanadium steel 31CrV3
- Non-glare look thanks to matte chrome-plating, locking insert and pawl manganese-phosphated
- Hot-forged
- Jaw exactly ground to spanner size
- Tried-and-tested GEDORE technology combined anew: solid spanner jaws of classic No. 7 XL, stable hollow shaft of No. 7 and refined mechanism of the U-20 ratchets
- European Patent applied



mm	°	L	a_1	a_2	b_1	b_2	kg	Code	No.
8	7	94	7.0	3.8	17.5	18.5	0.020	**2304163**	7 R XS 8
9	7	99	7.3	3.9	19.3	19.8	0.040	**2304198**	7 R XS 9
10	7	104	7.7	4.1	21.0	21.5	0.040	**2304201**	7 R XS 10
11	7	110	8.1	4.3	22.5	23.0	0.050	**2304236**	7 R XS 11
12	7	117	8.6	4.6	23.6	26.0	0.060	**2304244**	7 R XS 12
13	7	123	9.0	4.7	25.7	27.5	0.080	**2304252**	7 R XS 13
14	7	129	9.4	4.9	28.2	30.0	0.120	**2304260**	7 R XS 14
15	7	136	9.8	5.2	29.5	31.8	0.100	**2304279**	7 R XS 15
16	6	144	10.2	5.7	31.7	34.0	0.100	**2304295**	7 R XS 16
17	6	152	10.6	5.9	33.6	35.0	0.120	**2304325**	7 R XS 17
18	6	160	11.0	6.1	34.6	38.0	0.140	**2304341**	7 R XS 18
19	6	169	11.7	6.4	36.3	40.0	0.160	**2304368**	7 R XS 19

7 R XL-009

COMBINATION RATCHET SPANNER SET 9 pieces

- In GEDORIT blue sheet steel case
- Dimensions: 425 x 277 x 55 mm

Contents	kg	Code	No.
13 14 15 16 17 18 19 21 22	4.820	**2329204**	7 R XL-009

7 R XS-005

COMBINATION RATCHET SPANNER SET 5 pieces

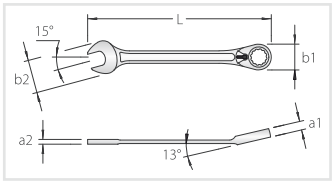
- In plastic case
- Dimensions: 200 x 120 x 38 mm

Contents	kg	Code	No.
8 10 13 17 19	0.880	**2329107**	7 R XS-005

7 UR

COMBINATION RATCHET SPANNER, REVERSIBLE

- With same size each end
- Ring 13° offset from shaft
- UD profile
- Working angle 7° from 8 to 15 mm, and 6° from 16 to 24 mm
- For ratchet loosening and fast tightening, with lever change
- High torque transfer
- Hollow profile comfortable to hold
- Warp-resistant geometry with double T-girder effect
- GEDORE vanadium steel 31CrV3
- Non-glare look thanks to matt chrome-plating, locking insert and pawl manganese-phosphated
- Hot forged
- Jaw exactly ground to spanner size
- Tried-and-tested GEDORE technology combined anew: spanner jaws of classic No. 6, stable hollow shaft of No. 7 and refined mechanism of the U-20 ratchets
- In combination with adaptor 7 RA or 7 RB (order separately) the spanner 7 UR can be used as a (bit) ratchet
- European Patent applied



mm	°	L	a_1	a_2	b_1	b_2	kg	Code	No.
8	7	140	7.0	3.8	17.5	19.8	0.037	**2297256**	7 UR 8
9	7	150	7.3	3.9	19.3	21.5	0.043	**2297264**	7 UR 9
10	7	160	7.7	4.1	21.0	23.0	0.053	**2297272**	7 UR 10
11	7	164	8.1	4.3	22.5	26.0	0.062	**2297280**	7 UR 11
12	7	170	8.6	4.6	23.6	27.5	0.069	**2297299**	7 UR 12
13	7	180	9.0	4.7	25.7	30.0	0.081	**2297302**	7 UR 13
14	7	190	9.4	4.9	28.2	31.8	0.098	**2297310**	7 UR 14
15	7	200	9.8	5.2	29.5	34.0	0.120	**2297329**	7 UR 15
16	6	212	10.2	5.7	31.7	35.0	0.153	**2297337**	7 UR 16
17	6	225	10.6	5.9	33.6	38.0	0.166	**2297345**	7 UR 17
18	6	237	11.0	6.1	34.6	40.0	0.178	**2297353**	7 UR 18
19	6	250	11.7	6.4	36.3	42.0	0.218	**2297361**	7 UR 19
21	6	274	12.5	6.9	40.0	45.5	0.264	**2244500**	7 UR 21
22	6	292	13.3	7.1	42.5	48.0	0.319	**2297388**	7 UR 22
24	6	325	14.8	7.9	48.0	52.5	0.449	**2297396**	7 UR 24

7 RA

ADAPTOR for 7 R/7 UR

- The adapter transforms the ring ratchet spanner into a ratchtet
- Push-button release, wear-resistant and manganese phosphated
- Fast-turning ring for swift release or tightening
- Secure adapter fit in the ring ratchet thanks to circlip
- Chrome-plated body
- Not suitable for 7 R XL and 7 UR XL

■"	■	mm	H	kg	Code	No.
1/4	6.3	10	18.0	0.011	**2320495**	7 RA-6,3
3/8	10.0	13	24.0	0.030	**2320487**	7 RA-10
1/2	12.5	19	32.0	0.070	**2320479**	7 RA-12,5

7 RB

BIT ADAPTOR for 7 R/7 UR

- The adaptor transforms the ring ratchet spanner into a bit ratchet
- Secure adaptor fit in the ring ratchet thanks retaining ball
- Manganese-phosphated body
- Not suitable for 7 R XL and 7 UR XL

⬡"	⬡	mm	H	kg	Code	No.
1/4	6.3	10	20.5	0.011	**2329239**	7 RB-6,3
5/16	8.0	10	23.0	0.015	**2327643**	7 RB-8

7 UR XL

COMBINATION RATCHET SPANNER, REVERSIBLE extra long

- With same size each end
- UD profile
- Ring 13° offset from shaft
- Working angle: 7° from 13 to 15 mm and 6° from 16 to 24 mm
- For ratchet loosening and fast tightening, with lever change
- High torque transfer
- Long lever arm for powerful screwing, 33 % longer than standard spanners
- Hollow profile comfortable to hold
- Warp-resistant geometry with double T-girder effect
- GEDORE vanadium steel 31CrV3
- Non-glare look thanks to matte chrome-plating, locking insert and pawl manganese-phosphated
- Hot-forged
- Jaw exactly ground to spanner size
- Tried-and-tested GEDORE technology combined anew: solid spanner jaws of classic No. 7 XL, stable hollow shaft of No. 7 and refined mechanism of the U-20 ratchets
- European Patent applied

Schlüsselknarre R-Serie

mm	°	L	a_1	a_2	b_1	b_2	kg	Code	No.
13	7	240	12.0	5.8	26.1	30.0	0.191	**2302225**	7 UR XL 13
14	7	253	12.5	6.3	28.6	31.8	0.210	**2302233**	7 UR XL 14
15	7	265	13.0	6.8	30.0	34.0	0.230	**2302268**	7 UR XL 15
16	6	282	13.6	7.4	32.2	35.0	0.250	**2302276**	7 UR XL 16
17	6	300	14.1	8.4	34.1	38.0	0.270	**2302284**	7 UR XL 17
18	6	315	14.6	8.4	35.1	40.0	0.310	**2302349**	7 UR XL 18
19	6	333	15.6	9.4	36.9	42.0	0.360	**2302357**	7 UR XL 19
21	6	364	16.6	9.4	40.6	45.5	0.440	**2302365**	7 UR XL 21
22	6	388	17.7	10.8	43.2	48.0	0.500	**2302373**	7 UR XL 22
24	6	432	19.7	11.8	48.7	52.5	0.900	**2302381**	7 UR XL 24

7 UR XS

COMBINATION RATCHET SPANNER, REVERSIBLE extra short

- With same size each end
- UD profile
- Ring 13° offset from shaft
- Especially suitable for work in confined spaces
- Working angle: 7° from 8 to 15 mm, 6° from 16 to 19 mm
- For ratchet loosening and fast tightening, with lever change
- Compact design 33 % shorter than standard spanners, for confined spaced
- Small but not too small for large hands
- High torque transfer
- Hollow profile comfortable to hold
- Warp-resistant geometry with double T-girder effect
- GEDORE vanadium steel 31CrV3
- Non-glare look thanks to matte chrome-plating, locking insert and pawl manganese-phosphated
- Hot-forged
- Jaw exactly ground to spanner size
- Tried-and-tested GEDORE technology combined anew: spanner jaws of classic No. 6, stable hollow shaft of No. 7 and refined mechanism of the U-20 ratchets
- European Patent applied

Schlüsselknarre R-Serie

mm	°	L	a_1	a_2	b_1	b_2	kg	Code	No.
8	7	94	7.0	3.8	17.5	18.5	0.020	**2304562**	7 UR XS 8
9	7	99	7.3	3.9	19.3	19.8	0.040	**2304570**	7 UR XS 9
10	7	104	7.7	4.1	21.0	21.5	0.040	**2304589**	7 UR XS 10
11	7	110	8.1	4.3	22.5	23.0	0.050	**2304597**	7 UR XS 11
12	7	117	8.6	4.6	23.6	26.0	0.060	**2304600**	7 UR XS 12
13	7	123	9.0	4.7	25.7	27.5	0.080	**2304635**	7 UR XS 13
14	7	129	9.4	4.9	28.2	30.0	0.120	**2304643**	7 UR XS 14
15	7	136	9.8	5.2	29.5	31.8	0.100	**2304651**	7 UR XS 15
16	6	144	10.2	5.7	31.7	34.0	0.100	**2304686**	7 UR XS 16
17	6	152	10.6	5.9	33.6	35.0	0.120	**2304694**	7 UR XS 17
18	6	160	11.0	6.1	34.6	38.0	0.140	**2304724**	7 UR XS 18
19	6	169	11.7	6.4	36.3	40.0	0.160	**2304732**	7 UR XS 19

7 UR XL-009

COMBINATION RATCHET SPANNER SET 9 pieces

- In GEDORIT blue sheet steel case
- Dimensions: 425 x 277 x 55 mm

Schlüsselknarre R-Serie

Contents	kg	Code	No.
13 14 15 16 17 18 19 21 22	4.820	**2329212**	7 UR XL-009

7 UR XS-005

COMBINATION RATCHET SPANNER SET 5 pieces

- In plastic case
- Dimensions: 200 x 120 x 38 mm

Schlüsselknarre R-Serie

Contents	kg	Code	No.
8 10 13 17 19	0.890	**2329123**	7 UR XS-005

7 UR-005

COMBINATION RATCHET SPANNER SET, REVERSIBLE
5 pieces

- Most used sizes
- Ring 13° offset from shaft, reversible
- UD profile
- High torque transfer
- In plastic case
- Dimensions: 275 x 150 x 42 mm

Contents	kg	Code	No.
8 10 13 17 19	0.930	**2327651**	7 UR-005

7 UR-012

COMBINATION RATCHET SPANNER SET, REVERSIBLE
12 pieces

- Most used sizes
- Ring 13° offset from shaft, reversible
- UD profile
- High torque transfer
- In robust sheet-metal case
- Dimensions: 320 x 210 x 55 mm

Contents	kg	Code	No.
8 9 10 11 12 13 14 15 16 17 18 19	2.840	**2297418**	7 UR-012

7 UR A-008

COMBINATION RATCHET SPANNER SET 8 pieces

- With adaptors for 1/4", 3/8" and 1/2" square drive as well for 1/4" bits
- In plastic case
- Dimensions: 275 x 150 x 42 mm

Contents	kg	Code	No.
7 UR 10 13 17 19 **7 RA-6,3 -10 -12,5** **7 RB-6,3**	1.100	**2329093**	7 UR A-008

GEDORE INDIVIDUAL **... CUSTOMISED FOR YOU!**

- **Individual – precise – customised – flexible – right on!**
- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

NO. 1 B "THE STRONG ALL-ROUNDER"

- Carefully forged and professionally machined:
- Slim ribbed open end for added strength guarantees maximum torques
- Jaw: ground precisely to exact nominal size for optimum contact areas
- Ring: 10° offset from shaft, with UD profile for gentle transmission of force
- High bending strength - does not fracture or splinter when overloaded, thus minimising the risk of injury
- Overloading indicated by deformation
- Non-glare matt chrome-plated finish
- The offset ring ensures a better grip on deep-seated or inset nuts or bolts
- Top-grade industrial quality for the hardest of continuous use

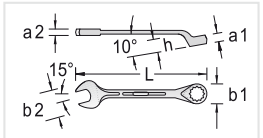
mm	"AF	Whitw.
5 – 80	¼" – 2 7/16"	⅛" – ¾

COMBINATION SPANNERS

1 B (MM)

COMBINATION SPANNER with same size each end

- Acc. to DIN 3113 Form B, ISO 3318, ISO 7738
- Ring 10° offset from shaft, extra strong rings but thin wall
- Sizes 5 and 5.5 mm with hexagon ring, up from size 6 mm with UD profile
- GEDORE vanadium steel 31CrV3, chrome-plated
- * not standardised



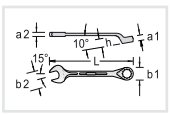
mm	*		L	a_1	a_2	b_1	b_2	h	kg	Code	No.
5.0		6-k	100	5.0	3.4	8.5	14.5	9.5	0.015	**6000240**	1 B 5
5.5			100	5.0	3.4	9.2	14.5	9.5	0.015	**6000320**	1 B 5,5
6.0		UD	100	5.0	3.4	9.8	15.5	9.5	0.016	**6000400**	1 B 6
7.0			112	6.0	3.7	11.2	17.2	10.5	0.028	**6000590**	1 B 7
8.0			125	6.5	4.0	12.5	19.2	11.5	0.026	**6000670**	1 B 8
9.0			138	7.5	4.3	14.0	21.2	12.5	0.035	**6000750**	1 B 9
10.0			148	8.2	4.7	15.5	23.5	14.0	0.042	**6000830**	1 B 10
11.0			158	9.0	5.0	16.8	25.5	15.0	0.050	**6000910**	1 B 11
12.0			168	9.5	5.3	18.2	27.2	16.0	0.064	**6001050**	1 B 12
13.0			185	10.2	6.0	19.5	30.0	16.5	0.080	**6001130**	1 B 13
14.0			198	11.0	6.3	21.0	32.0	17.5	0.091	**6001210**	1 B 14
15.0			210	11.5	6.7	22.2	34.0	19.0	0.139	**6001480**	1 B 15
16.0			220	12.0	7.0	23.5	36.0	20.0	0.128	**6001560**	1 B 16
17.0			232	12.5	7.5	25.0	38.0	21.0	0.153	**6001640**	1 B 17
18.0			245	13.2	7.7	26.5	40.0	22.5	0.183	**6001720**	1 B 18
19.0			258	13.5	8.0	27.8	42.0	23.5	0.210	**6001800**	1 B 19
20.0	*		270	14.5	8.5	29.2	44.0	24.5	0.245	**6001990**	1 B 20
21.0			280	14.5	8.7	30.5	45.8	26.0	0.281	**6002020**	1 B 21
22.0			292	14.5	9.0	32.0	48.2	27.0	0.294	**6002100**	1 B 22
23.0	*		305	15.5	9.3	33.5	49.8	28.0	0.350	**6002290**	1 B 23
24.0			318	15.5	9.5	35.0	52.0	29.5	0.372	**6002370**	1 B 24

mm	*		L	a_1	a_2	b_1	b_2	h	kg	Code	No.
25.0	*		328	17.5	10.0	36.2	54.2	31.0	0.431	**6002450**	1 B 25
26.0	*		340	17.5	10.3	37.5	56.0	32.0	0.481	**6002530**	1 B 26
27.0			352	17.5	10.5	39.0	58.0	33.0	0.514	**6002610**	1 B 27
28.0	*		370	19.5	11.0	40.2	60.0	34.5	0.578	**6002880**	1 B 28
29.0	*		370	19.5	11.0	41.8	61.8	34.5	0.546	**6002960**	1 B 29
30.0			390	19.5	11.2	43.2	63.5	36.0	0.672	**6003180**	1 B 30
32.0			412	20.5	11.8	46.0	68.0	39.0	0.684	**6003260**	1 B 32
33.0	*		412	20.5	11.8	47.5	70.5	39.0	0.827	**6003340**	1 B 33
34.0			412	20.5	11.8	49.0	70.5	39.0	0.784	**6004150**	1 B 34
36.0			460	23.5	12.8	52.2	76.2	43.0	1.147	**6003420**	1 B 36
38.0	*		460	24.2	13.2	56.0	79.2	43.0	1.081	**6003500**	1 B 38
41.0			520	25.5	14.0	60.2	85.0	49.0	1.452	**6003690**	1 B 41
46.0			550	27.5	15.0	68.0	95.5	53.0	1.893	**6003770**	1 B 46
50.0			580	29.5	16.0	74.0	103.0	57.0	2.268	**6003850**	1 B 50
55.0			620	30.5	17.0	82.0	112.5	62.0	2.900	**6003930**	1 B 55
60.0			660	32.0	18.0	90.0	121.0	67.0	3.600	**6004070**	1 B 60
65.0	*	12-k	710	33.0	22.0	98.0	133.0	49.5	4.415	**6004660**	1 B 65
70.0	*		760	35.0	24.0	105.0	143.0	53.5	5.625	**6004740**	1 B 70
75.0	*		810	38.0	26.0	110.0	153.0	57.5	6.545	**6004820**	1 B 75
80.0	*		860	41.0	28.0	119.0	163.0	63.5	8.790	**6004900**	1 B 80

1 B (AF)

COMBINATION SPANNER with same size each end

- Ring 10° offset from shaft
- GEDORE vanadium steel 31CrV3, chrome-plated



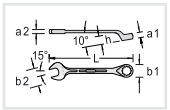
"AF	L	a_1	a_2	b_1	b_2	h	kg	Code	No.
1/4 UD	100	5.0	3.4	10.2	16.2	9.5	0.016	**6005120**	1 B 1/4AF
5/16	125	6.5	4.0	12.5	19.2	11.5	0.027	**6005200**	1 B 5/16AF
3/8	148	8.2	4.7	14.8	22.2	14.0	0.045	**6005390**	1 B 3/8AF
7/16	158	9.0	5.0	17.0	25.8	15.0	0.053	**6005470**	1 B 7/16AF
1/2	185	10.2	6.0	19.2	29.2	16.5	0.085	**6005550**	1 B 1/2AF
9/16	198	11.0	6.3	21.5	32.0	17.5	0.099	**6005630**	1 B 9/16AF
5/8	220	12.0	7.0	23.5	36.0	20.0	0.136	**6005710**	1 B 5/8AF
11/16	245	13.2	7.7	25.8	40.0	22.5	0.192	**6005980**	1 B 11/16AF
3/4	258	13.5	8.0	27.8	42.0	23.5	0.209	**6006010**	1 B 3/4AF
13/16	280	14.5	8.7	30.2	45.8	26.0	0.269	**6006280**	1 B 13/16AF
7/8	292	14.5	9.0	32.5	48.2	27.0	0.308	**6006360**	1 B 7/8AF
15/16	318	15.5	9.5	34.8	52.0	29.5	0.403	**6006440**	1 B 15/16AF
1	340	17.5	10.3	36.8	55.2	32.0	0.473	**6006520**	1 B 1AF
1.1/16	352	17.5	10.5	39.0	58.0	33.0	0.559	**6006600**	1 B 1.1/16AF
1.1/8	370	19.5	11.0	41.0	61.8	34.5	0.587	**6006790**	1 B 1.1/8AF

"AF	L	a_1	a_2	b_1	b_2	h	kg	Code	No.
1.1/4	412	20.5	11.8	45.8	70.5	39.0	0.861	**6006870**	1 B 1.1/4AF
1.5/16	412	20.5	11.8	48.5	70.5	39.0	0.789	**6006950**	1 B 1.5/16AF
1.3/8 12pt	460	23.5	12.8	51.5	75.2	43.0	1.099	**6007090**	1 B 1.3/8AF
1.7/16	460	23.5	12.8	53.0	75.2	43.0	1.085	**6007170**	1 B 1.7/16AF
1.1/2	460	24.2	13.2	56.0	79.2	43.0	1.113	**6007250**	1 B 1.1/2AF
1.5/8	520	25.5	14.0	60.5	85.0	49.0	1.457	**6007330**	1 B 1.5/8AF
1.3/4	550	27.5	15.0	66.0	95.5	53.0	1.896	**6007410**	1 B 1.3/4AF
1.13/16	550	27.5	15.0	68.0	95.5	53.0	1.870	**6007680**	1 B 1.13/16AF
1.7/8	550	27.5	15.0	69.0	95.5	53.0	1.821	**6007760**	1 B 1.7/8AF
2	580	29.5	16.0	74.5	103.0	57.0	2.280	**6007840**	1 B 2AF
2.1/16	580	29.5	16.0	75.0	103.0	57.0	2.250	**6007920**	1 B 2.1/16AF
2.3/16	620	30.5	17.0	82.0	112.5	62.0	2.855	**6008060**	1 B 2.3/16AF
2.1/4	620	30.5	17.0	83.0	112.5	62.0	2.820	**6008140**	1 B 2.1/4AF
2.3/8	660	32.0	18.0	90.0	121.0	67.0	3.510	**6008220**	1 B 2.3/8AF
2.7/16	660	32.0	18.0	91.0	121.0	67.0	3.630	**6008300**	1 B 2.7/16AF

1 B (WW)

COMBINATION SPANNER with same size each end

- Ring 10° offset from shaft
- GEDORE vanadium steel 31CrV3, chrome-plated



Whitw.	L	a_1	a_2	b_1	b_2	h	kg	Code	No.
1/8 12pt	138	7.5	4.3	13.5	21.2	12.5	0.035	**6009540**	1 B 1/8W
3/16	158	9.0	5.0	17.5	26.0	15.0	0.053	**6009620**	1 B 3/16W
1/4	185	10.2	6.0	20.0	30.0	16.5	0.082	**6009700**	1 B 1/4W
5/16	210	11.5	6.7	22.5	34.0	19.0	0.115	**6009890**	1 B 5/16W
3/8	245	13.2	7.7	26.5	40.0	22.5	0.190	**6009970**	1 B 3/8W
7/16	280	14.5	8.7	30.2	45.8	26.0	0.274	**6010040**	1 B 7/16W

Whitw.	L	a_1	a_2	b_1	b_2	h	kg	Code	No.
1/2	305	15.5	9.3	34.0	50.5	28.0	0.343	**6010120**	1 B 1/2W
9/16	340	17.5	10.3	37.0	56.0	32.0	0.477	**6010200**	1 B 9/16W
5/8	370	19.5	11.0	40.2	61.8	34.5	0.573	**6010390**	1 B 5/8W
11/16	390	19.5	11.2	43.8	65.2	36.0	0.713	**6010470**	1 B 11/16W
3/4	412	20.5	11.8	48.0	70.5	39.0	0.803	**6010550**	1 B 3/4W

1 B (MM)

COMBINATION SPANNER SET

- Selection of sizes most in use
- Acc. to DIN 3113 Form B, ISO 3318, ISO 7738
- GEDORE vanadium steel 31CrV3, chrome-plated
- With same size each end, ring 10° offset from shaft, with UD profile

pieces	Contents	kg	Code	No.
8	10 12 13 14 17 19 22 24	2.600	**6011870**	1 B-08
8	8 9 10 11 13 14 17 19	1.000	**6011950**	1 B-080
11	8 9 10 11 12 13 14 15 17 19 22	1.190	**6012250**	1 B-011
11	7 8 10 11 12 13 14 16 17 18 19	1.050	**6013140**	1 B-110
12	10 11 12 13 14 17 19 22 24 27 30 32	3.390	**6012170**	1 B-012
12	6 7 8 9 10 11 12 13 14 15 17 19	0.925	**6012840**	1 B-0112
15	8 9 10 11 12 13 14 15 16 17 18 19 21 22 23	2.060	**6012410**	1 B-015
15	6 7 8 9 10 11 12 13 17 19 22 24 27 30 32	3.385	**6000160**	1 B-0115
17	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	2.300	**6012680**	1 B-017
20	8 9 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 30 32	5.500	**6013060**	1 B-020
26	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 32	7.500	**6012920**	1 B-026

1 B (AF)

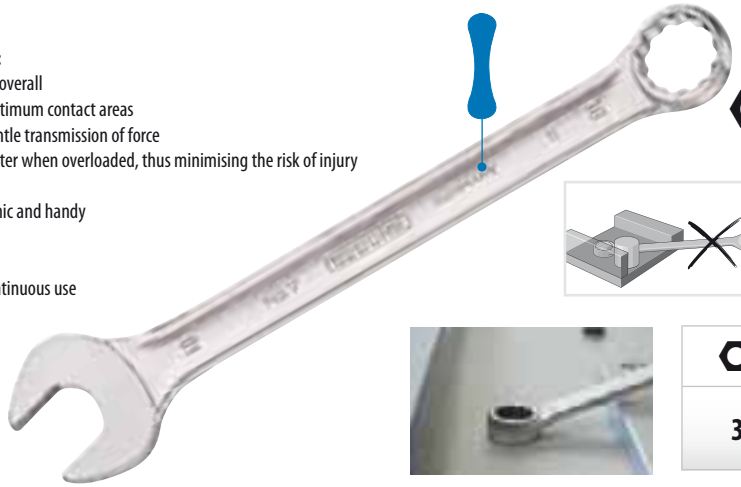
COMBINATION SPANNER SET

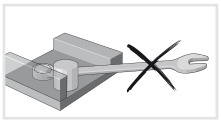
- Selection of sizes most in use
- GEDORE vanadium steel 31CrV3, chrome-plated
- With same size each end, ring 10° offset from shaft, with UD profile

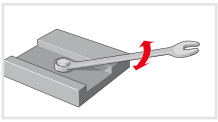
pieces	Contents	kg	Code	No.
8	3/8 7/16 1/2 9/16 5/8 3/4 7/8 1"	1.410	**6013300**	1 B-08 A
14	5/16 3/8 7/16 1/2 9/16 5/8 11/16 3/4 13/16 7/8 1 1.1/16 1.1/8 1.1/4"	3.488	**6013650**	1 B-014 A

NO. 7 "SLIM LINE"

Carefully forged and professionally machined:
- Slim jaw and jaw walls make this spanner lighter overall
- Jaw: ground precisely to exact nominal size for optimum contact areas
- Ring: 15° offset from shaft, with UD profile for gentle transmission of force
- High bending strength - does not fracture or splinter when overloaded, thus minimising the risk of injury
- Overloading indicated by deformation
- Secure grip thanks to hollow shaft - very ergonomic and handy
- Non-glare matt chrome-plated finish
- Designed for universal use
- Top-grade industrial quality for the hardest of continuous use





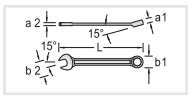


mm	"AF
3 – 36	3/16" – 1"

7 (MM)

COMBINATION SPANNER with same size each end

- Acc. to DIN 3113 Form A, ISO 3318, ISO 7738
- Ring 15° offset from shaft, shaft in girder pattern
- Sizes 3 to 5.5 with hexagon ring, up from size 6 with UD profile
- GEDORE vanadium steel 31CrV3, chrome-plated
- * not standardised



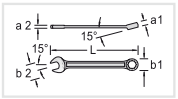
mm	*		L	a_1	a_2	b_1	b_2	kg	Code	No.
3.0	*	6-k	78	2.8	2.8	6.5	9.2	0.006	**6080680**	7 3
3.2	*		78	2.8	2.8	6.5	9.2	0.006	**6080760**	7 3,2
3.5	*		78	2.8	2.8	6.5	9.2	0.006	**6080840**	7 3,5
4.0	*		85	3.2	3.2	7.7	11.8	0.010	**6080920**	7 4
4.5	*		85	3.2	3.2	7.7	11.8	0.009	**6081060**	7 4,5
5.0	*		92	3.6	3.6	9.7	13.2	0.011	**6081140**	7 5
5.5	*		92	3.6	3.6	9.7	13.2	0.011	**6081220**	7 5,5
6.0		UD	100	5.0	3.4	10.0	16.2	0.014	**6089550**	7 6
7.0			110	5.5	3.6	11.5	17.5	0.017	**6089630**	7 7
8.0			120	6.0	3.8	12.7	19.8	0.024	**6089710**	7 8
9.0			130	6.5	4.0	14.0	21.5	0.028	**6089980**	7 9
10.0			140	7.0	4.2	15.5	23.0	0.033	**6090050**	7 10
11.0			150	7.5	4.5	17.0	26.0	0.042	**6090130**	7 11
12.0			160	8.0	4.8	18.5	27.5	0.050	**6090210**	7 12
13.0			170	8.5	5.0	19.5	30.0	0.058	**6090480**	7 13
14.0			180	9.0	5.2	21.0	31.8	0.069	**6090560**	7 14
15.0			190	9.5	5.5	22.5	34.0	0.080	**6090640**	7 15
16.0			200	10.0	5.8	23.0	35.0	0.092	**6091610**	7 16

mm	*	L	a_1	a_2	b_1	b_2	kg	Code	No.
17.0		210	10.5	6.0	25.0	38.0	0.111	**6090720**	7 17
18.0		220	11.0	6.2	26.0	40.0	0.121	**6091880**	7 18
19.0		230	11.5	6.5	28.0	42.0	0.140	**6090800**	7 19
20.0	*	240	12.0	6.8	29.0	44.2	0.170	**6091960**	7 20
21.0		252	12.5	7.0	30.0	45.5	0.182	**6092180**	7 21
22.0		262	13.0	7.2	32.0	48.0	0.200	**6090990**	7 22
23.0	*	270	13.5	7.6	33.0	49.5	0.223	**6092260**	7 23
24.0		282	14.0	8.0	35.0	52.5	0.264	**6091020**	7 24
25.0	*	290	14.5	8.2	36.0	54.5	0.295	**6092340**	7 25
26.0	*	302	15.0	8.2	37.0	56.5	0.309	**6092420**	7 26
27.0		310	15.5	8.5	39.0	59.5	0.344	**6091100**	7 27
28.0	*	320	16.0	8.8	40.0	60.0	0.375	**6092500**	7 28
29.0	*	330	16.5	8.8	41.5	61.5	0.394	**6092690**	7 29
30.0		340	17.0	9.0	43.0	63.0	0.428	**6091290**	7 30
32.0		370	18.0	9.5	46.0	67.5	0.535	**6091370**	7 32
34.0		420	19.0	10.0	49.0	72.0	0.624	**1827987**	7 34
36.0		460	20.0	10.5	52.0	75.0	0.726	**6089470**	7 36

7 (AF)

COMBINATION SPANNER with same size each end

- Ring 15° offset from shaft, shaft in girder pattern
- Sizes 3/16" to 7/32" with hexagon ring, up from size 1/4" with UD profile
- GEDORE vanadium steel 31CrV3, chrome-plated



"AF	L	a_1	a_2	b_1	b_2	kg	Code	No.
3/16	85	3.2	3.2	7.7	11.8	0.010	**1436767**	7 3/16AF
7/32	92	3.6	3.6	9.7	13.2	0.011	**1436775**	7 7/32AF
1/4	100	5.0	3.4	10.0	16.2	0.013	**6098700**	7 1/4AF
5/16	120	6.0	3.8	12.7	19.8	0.024	**6098890**	7 5/16AF
11/32	130	6.5	4.0	14.0	21.5	0.026	**6098970**	7 11/32AF
3/8	140	7.0	4.2	15.5	23.0	0.038	**6099190**	7 3/8AF
7/16	150	7.5	4.5	17.0	26.0	0.041	**6099270**	7 7/16AF
1/2	170	8.5	5.0	19.5	30.0	0.056	**6099430**	7 1/2AF

"AF	L	a_1	a_2	b_1	b_2	kg	Code	No.
9/16	180	9.0	5.2	21.0	31.8	0.063	**6099510**	7 9/16AF
5/8	200	10.0	5.8	23.0	35.0	0.104	**6099780**	7 5/8AF
11/16	220	11.0	6.2	26.0	40.0	0.122	**6099860**	7 11/16AF
3/4	230	11.5	6.5	28.0	42.0	0.148	**6099940**	7 3/4AF
13/16	252	12.5	7.0	30.0	45.5	0.187	**6100030**	7 13/16AF
7/8	262	13.0	7.2	32.0	48.0	0.192	**6100110**	7 7/8AF
15/16	282	14.0	8.0	34.0	52.5	0.296	**6100380**	7 15/16AF
1	302	15.0	8.2	36.0	56.5	0.287	**6100460**	7 1AF

7 (AF)

COMBINATION SPANNER SET

- Selection of sizes most in use
- With same size each end
- Ring 15° offset from shaft, shaft in girder pattern
- GEDORE vanadium steel 31CrV3, chrome-plated

pieces	Contents	kg	Code	No.
8	3/8 7/16 1/2 9/16 5/8 3/4 7/8 1"	1.047	**6091450**	7-08 A

7 (MM)

COMBINATION SPANNER SET

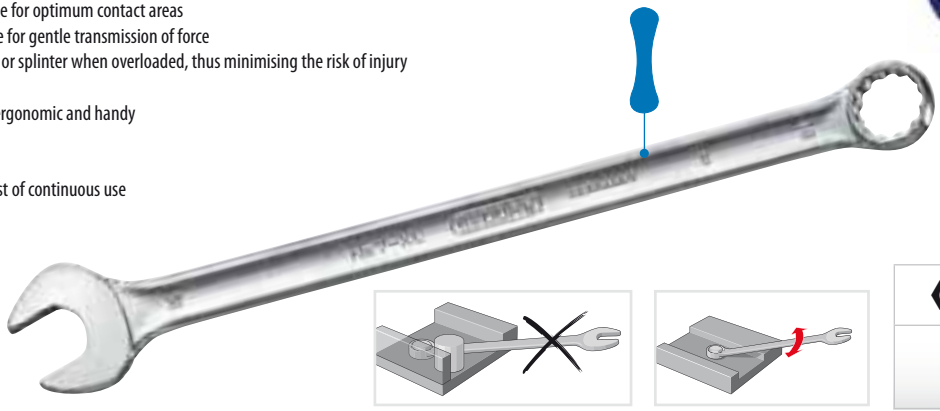
- Selection of sizes most in use
- Acc. to DIN 3113 Form A, ISO 3318, ISO 7738
- With same size each end
- Ring 15° offset from shaft, shaft in girder pattern
- GEDORE vanadium steel 31CrV3, chrome-plated

pieces	Contents	kg	Code	No.
8	10 12 13 14 17 19 22 24	0.973	**6092770**	7-08
8	8 9 10 11 13 14 17 19	0.536	**6092850**	7-080
11	8 9 10 11 12 13 14 15 17 19 22	0.868	**6093070**	7-011
11	7 8 10 11 12 13 14 16 17 18 19	0.782	**6096090**	7-0110
12	6 7 8 9 10 11 12 13 14 15 17 19	0.686	**6091530**	7-0112
12	10 11 12 13 14 17 19 22 24 27 30 32	2.700	**6093150**	7-012
17	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	1.465	**6093580**	7-017
20	8 9 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 30 32	3.360	**6093660**	7-020
26	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 32	4.665	**6093740**	7-026

XL "LONG AND EXTRA STRONG"

Carefully forged and professionally machined:

- Slim jaw and jaw walls make this spanner lighter overall
- Jaw: ground precisely to exact nominal size for optimum contact areas
- Ring: 15° offset from shaft, with UD profile for gentle transmission of force
- High bending strength - does not fracture or splinter when overloaded, thus minimising the risk of injury
- Overloading indicated by deformation
- Secure grip thanks to hollow shaft - very ergonomic and handy
- Non-glare matt chrome-plated finish
- Designed for universal use
- Top-grade industrial quality for the hardest of continuous use



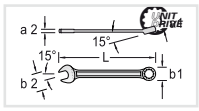
mm

4 – 46

7 XL

COMBINATION SPANNER with same size each end, extra long

- Similar to DIN 3113
- Ring 15° offset from shaft, with UD profile
- Shaft made in girder pattern
- GEDORE vanadium steel 31CrV3, chrome-plated



mm	L	a_1	a_2	b_1	b_2	kg	Code	No.
7	160	6.5	4.0	12.5	18.5	0.031	**1394916**	7 XL 7
8	170	7.0	4.5	13.5	20.8	0.042	**6080090**	7 XL 8
9	180	7.5	4.5	14.5	22.5	0.054	**6080170**	7 XL 9
10	190	8.5	5.0	16.0	24.0	0.011	**6097300**	7 XL 10
11	200	9.0	5.5	17.5	27.0	0.076	**6097490**	7 XL 11
12	210	10.0	5.5	19.0	28.5	0.086	**6100540**	7 XL 12
13	225	10.5	6.0	20.0	31.0	0.102	**6100620**	7 XL 13
14	235	10.8	6.5	22.0	32.8	0.120	**6100700**	7 XL 14
15	250	11.2	7.0	23.0	35.0	0.147	**6100890**	7 XL 15
16	265	11.8	7.5	24.8	36.0	0.171	**6080250**	7 XL 16
17	280	12.2	8.5	26.0	39.0	0.196	**6100970**	7 XL 17
18	295	13.2	8.5	27.8	41.0	0.233	**6080330**	7 XL 18
19	310	14.2	9.5	29.0	43.0	0.276	**6101000**	7 XL 19

mm	L	a_1	a_2	b_1	b_2	kg	Code	No.
21	340	14.2	9.5	32.5	46.5	0.352	**6080410**	7 XL 21
22	350	16.2	11.0	33.5	49.0	0.392	**6101190**	7 XL 22
23	375	17.2	11.5	35.0	50.0	0.456	**1436783**	7 XL 23
24	400	18.2	12.0	36.5	53.5	0.521	**6101270**	7 XL 24
27	450	20.2	13.0	40.5	60.5	0.711	**6101350**	7 XL 27
30	480	21.2	14.0	44.5	63.0	0.839	**6101780**	7 XL 30
32	500	22.2	14.0	47.5	69.0	0.956	**6101430**	7 XL 32
33	520	23.2	15.0	49.5	70.5	1.117	**6101860**	7 XL 33
34	520	23.2	15.0	49.5	70.5	1.088	**6101940**	7 XL 34
36	550	24.2	15.0	53.0	76.0	1.248	**6101510**	7 XL 36
41	600	26.0	16.0	62.0	84.5	2.000	**6102080**	7 XL 41
46	640	28.0	17.0	70.0	96.0	2.278	**6102160**	7 XL 46

7 XL

COMBINATION SPANNER SET extra long

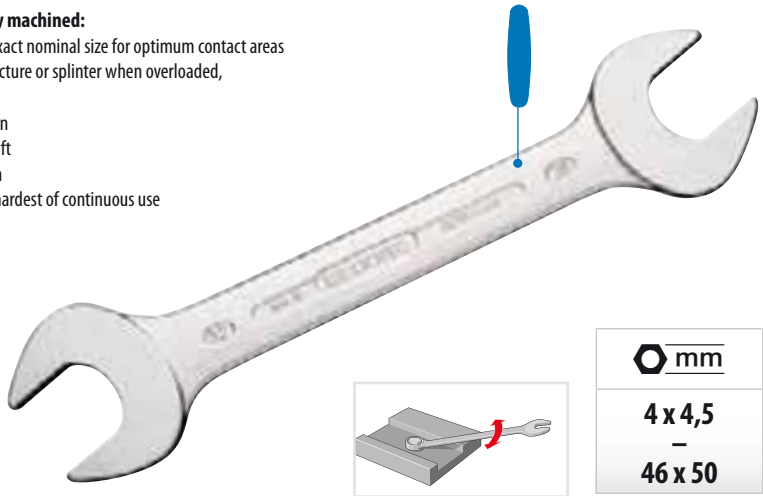
- Best selling sizes
- Similar to DIN 3113
- With same size each end, ring offset at 15°, with UD profile
- Shaft made in girder pattern
- GEDORE vanadium steel 31CrV3, chrome-plated

pieces	Contents	kg	Code	No.
8	8 9 10 11 13 14 17 19	0.962	**6104880**	7 XL-080
11	8 10 11 12 13 14 16 17 18 19 22	1.794	**6104960**	7 XL-0111
12	10 11 12 13 14 17 19 22 24 27 30 32	4.410	**6095950**	7 XL-012

6 "STRONG AND ACCURATE"

Carefully forged and professionally machined:

- Powerful jaws: ground precisely to exact nominal size for optimum contact areas
- High bending strength - does not fracture or splinter when overloaded, thus minimising the risk of injury
- Overloading indicated by deformation
- Secure grip thanks to slim profile shaft
- Non-glare matt chrome-plated finish
- Top-grade industrial quality for the hardest of continuous use



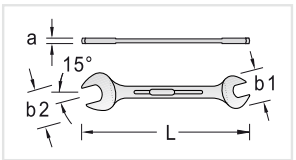
mm	"AF	Whitw.
4 x 4,5 – 46 x 50	¼" x 5/16" – 1" x 1⅛"	⅛" x 3/16" – ⅞" x 1"

6 (MM)

DOUBLE OPEN ENDED SPANNER

mm

- Acc. to DIN 3110, ISO 3318, ISO 1085, ISO 10102
- Slim pattern, oval shaft
- GEDORE vanadium steel 31CrV3, heads finely polished, chrome-plated
- * not standardised



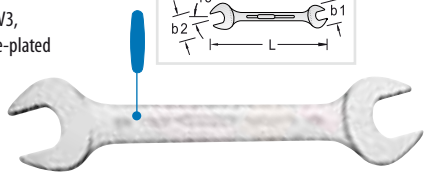
mm	*	L	a	b_1	b_2	kg	Code	No.
4 x 4,5	*	100	3.4	13.0	14.0	0.014	**6063400**	6 4x4,5
4 x 5	*	100	3.4	13.0	14.0	0.013	**6063590**	6 4x5
5 x 5,5	*	100	3.4	14.5	16.0	0.016	**6063670**	6 5x5,5
5,5 x 7	*	122	3.5	16.0	17.5	0.023	**6063750**	6 5,5x7
6 x 7		122	3.5	16.5	17.5	0.022	**6063830**	6 6x7
6 x 8	*	122	3.5	16.5	20.0	0.025	**6063910**	6 6x8
7 x 8		140	3.8	17.5	20.0	0.034	**6064050**	6 7x8
7 x 9	*	140	3.8	17.5	22.0	0.035	**6064130**	6 7x9
8 x 9		140	3.8	20.0	22.0	0.035	**6064210**	6 8x9
8 x 10		140	4.0	20.0	23.5	0.036	**6064480**	6 8x10
9 x 10	*	157	4.5	22.0	23.5	0.046	**6064560**	6 9x10
9 x 11	*	157	4.5	22.0	26.5	0.050	**6064640**	6 9x11
10 x 11		157	4.5	23.5	26.5	0.050	**6064720**	6 10x11
10 x 12	*	157	4.5	23.5	28.0	0.051	**6064800**	6 10x12
10 x 13		172	5.0	23.5	30.5	0.065	**6064990**	6 10x13
10 x 14	*	172	5.0	23.5	32.0	0.067	**6065020**	6 10x14
11 x 13		172	5.0	26.5	30.5	0.068	**6065100**	6 11x13
11 x 14	*	172	5.0	26.5	32.0	0.072	**6065290**	6 11x14
12 x 13		172	5.0	28.0	30.5	0.069	**6065370**	6 12x13
12 x 14		172	5.0	28.0	32.0	0.076	**6065450**	6 12x14
13 x 14		178	5.0	30.5	32.0	0.081	**6065530**	6 13x14
13 x 15		188	5.5	30.5	34.5	0.098	**6065610**	6 13x15
13 x 16		190	5.5	30.5	35.5	0.098	**6068980**	6 13x16
14 x 15		188	5.5	32.0	34.5	0.095	**6065880**	6 14x15
13 x 17		205	6.0	30.5	38.5	0.122	**6065960**	6 13x17
14 x 17		205	6.0	32.0	38.5	0.119	**6066180**	6 14x17
16 x 17		205	6.0	35.5	38.5	0.128	**6066260**	6 16x17
16 x 18		205	6.0	35.5	40.5	0.129	**6066340**	6 16x18

mm	*	L	a	b_1	b_2	kg	Code	No.
17 x 19		222	6.5	38.5	43.0	0.168	**6066420**	6 17x19
18 x 19		222	6.5	40.5	43.0	0.174	**6066500**	6 18x19
18 x 21		236	7.0	40.5	46.0	0.196	**6069360**	6 18x21
17 x 22	*	236	7.0	38.5	48.5	0.205	**6066690**	6 17x22
19 x 22		236	7.0	43.0	48.5	0.219	**6066770**	6 19x22
20 x 22	*	236	7.0	44.5	48.5	0.213	**6066850**	6 20x22
19 x 24		250	7.5	43.0	53.5	0.256	**6066930**	6 19x24
21 x 23	*	247	7.5	46.0	50.0	0.245	**6067070**	6 21x23
21 x 24		250	7.5	46.0	53.5	0.268	**6069440**	6 21x24
22 x 24		250	7.5	48.5	53.5	0.260	**6067150**	6 22x24
22 x 27	*	266	8.0	48.5	60.0	0.336	**6067230**	6 22x27
24 x 26	*	266	8.0	53.5	56.5	0.321	**6067310**	6 24x26
24 x 27		266	8.0	53.5	60.0	0.337	**6067580**	6 24x27
24 x 30		280	8.5	53.5	63.5	0.390	**6067660**	6 24x30
25 x 28	*	280	8.5	55.0	60.0	0.378	**6067740**	6 25x28
27 x 29	*	302	9.0	60.0	63.5	0.456	**6067820**	6 27x29
27 x 30		302	9.0	60.0	63.5	0.466	**6067900**	6 27x30
27 x 32		302	9.0	60.0	68.0	0.487	**6068040**	6 27x32
30 x 32		302	9.0	63.5	68.0	0.504	**6068120**	6 30x32
30 x 34		302	9.0	63.5	72.0	0.503	**6069520**	6 30x34
30 x 36		328	9.4	63.5	76.0	0.677	**6068200**	6 30x36
32 x 36		328	9.4	68.0	76.0	0.594	**6068390**	6 32x36
34 x 36		328	9.4	71.0	75.0	0.624	**6069600**	6 34x36
36 x 41		360	10.0	76.0	84.5	0.770	**6068470**	6 36x41
38 x 42	*	360	10.0	77.0	86.0	0.784	**6068550**	6 38x42
41 x 46		400	10.7	86.5	95.5	1.104	**6068630**	6 41x46
46 x 50		450	11.6	95.5	102.0	1.445	**6068710**	6 46x50

6 (AF)

DOUBLE OPEN ENDED SPANNER

- Slim pattern, oval shaft
- GEDORE vanadium steel 31CrV3, heads finely polished, chrome-plated

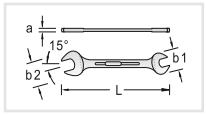


	L	a	b_1	b_2		Code	No.
1/4 x 5/16	122	3.7	17.5	20.0	0.024	**6070020**	6 1/4x5/16AF
5/16 x 3/8	140	4.0	20.0	23.5	0.035	**6070100**	6 5/16x3/8AF
3/8 x 7/16	157	4.5	23.5	26.5	0.047	**6070290**	6 3/8x7/16AF
7/16 x 1/2	172	5.0	26.5	30.0	0.065	**6070370**	6 7/16x1/2AF
1/2 x 9/16	190	5.5	30.0	33.0	0.091	**6070450**	6 1/2x9/16AF
9/16 x 5/8	190	5.5	33.0	36.0	0.092	**6070530**	6 9/16x5/8AF
19/32 x 11/16	205	6.0	34.5	39.5	0.130	**6070610**	6 19/32x11/16AF
5/8 x 11/16	205	6.0	36.0	39.5	0.124	**6070880**	6 5/8x11/16AF
5/8 x 3/4	222	6.5	36.0	42.5	0.152	**6070960**	6 5/8x3/4AF
11/16 x 3/4	222	6.5	39.5	42.5	0.165	**6071180**	6 11/16x3/4AF
3/4 x 25/32	222	6.5	42.5	43.5	0.189	**6071260**	6 3/4x25/32AF
3/4 x 7/8	236	7.0	42.5	48.5	0.216	**6071340**	6 3/4x7/8AF
25/32 x 13/16	236	7.0	44.5	46.0	0.206	**6071420**	6 25/32x13/16AF
13/16 x 7/8	236	7.0	46.0	48.5	0.232	**6071500**	6 13/16x7/8AF
7/8 x 15/16	250	7.5	48.5	52.0	0.268	**6071690**	6 7/8x15/16AF
7/8 x 1.1/16	266	8.0	48.5	60.0	0.323	**6073550**	6 7/8x1.1/16AF
15/16 x 1	266	8.0	52.0	55.0	0.317	**6071770**	6 15/16x1AF
15/16 x 1.1/8	280	8.5	56.0	63.5	0.384	**6071850**	6 15/16x1.1/8AF
1 x 1.1/8	280	8.5	55.0	61.0	0.395	**6071930**	6 1x1.1/8AF
1.1/16 x 1.1/8	302	9.0	60.0	63.5	0.453	**6072070**	6 1.1/16x1.1/8AF
1.1/16 x 1.1/4	302	9.0	60.0	68.0	0.520	**6072150**	6 1.1/16x1.1/4AF
1.1/8 x 1.5/16	302	9.0	65.5	70.5	0.537	**6072230**	6 1.1/8x1.5/16AF
1.3/16 x 1.5/16	302	9.0	65.5	70.5	0.521	**6072310**	6 1.3/16x1.5/16AF
1.1/4 x 1.3/8	328	9.4	69.5	75.5	0.604	**6072580**	6 1.1/4x1.3/8AF
1.1/4 x 1.7/16	328	9.4	69.5	75.5	0.628	**6072660**	6 1.1/4x1.7/16AF
1.5/16 x 1.1/2	328	9.4	74.0	79.0	0.656	**6072740**	6 1.5/16x1.1/2AF
1.3/8 x 1.1/2	328	9.4	74.0	79.0	0.655	**6072820**	6 1.3/8x1.1/2AF

6 (WW)

DOUBLE OPEN ENDED SPANNER

- Slim pattern, oval shaft
- GEDORE vanadium steel 31CrV3, heads finely polished, chrome-plated



Whitw.	L	a	b_1	b_2	kg	Code	No.
1/8 x 3/16	157	4.5	21.0	27.0	0.051	**6074440**	6 1/8x3/16W
3/16 x 1/4	172	5.0	27.0	31.0	0.073	**6074520**	6 3/16x1/4W
1/4 x 5/16	190	5.5	31.0	35.0	0.097	**6074600**	6 1/4x5/16W
5/16 x 3/8	205	6.0	35.0	40.5	0.125	**6074790**	6 5/16x3/8W
3/8 x 7/16	236	7.0	40.5	46.0	0.185	**6074870**	6 3/8x7/16W
7/16 x 1/2	247	7.5	46.0	51.0	0.254	**6074950**	6 7/16x1/2W
5/8 x 3/4	302	9.0	65.5	70.5	0.523	**6075410**	6 5/8x3/4W
11/16 x 3/4	302	9.0	65.5	70.5	0.548	**6075680**	6 11/16x3/4W
7/8 x 1	360	10.0	77.0	86.0	0.783	**6075920**	6 7/8x1.W

6 (MM)

DOUBLE OPEN ENDED SPANNER SET

- Sets of the most used sizes
- Acc. to DIN 3110, ISO 3318, ISO 1085, ISO 10102
- Slim pattern, oval shaft
- GEDORE vanadium steel 31CrV3, chrome-plated

pieces	Contents	kg	Code	No.
6	6x7 8x9 10x11 12x13 14x15 16x17	0.415	**6076810**	6-6
8	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22	0.819	**6077380**	6-8
10	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27	1.412	**6077540**	6-10
10	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 24x27 30x32	1.660	**6077620**	6-100
12	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x26 25x28 27x32	2.500	**6077700**	6-12
12	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32	2.350	**6077890**	6-120
12	6x7 8x9 10x11 12x13 14x15 16x18 17x19 20x22 21x23 24x26 27x32 30x34	2.383	**6078350**	6-122 ISO

- H = set in robust plastic holder

pieces	Contents	kg	Code	No.
8	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22	0.995	**6079400**	H 6-8
12	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x26 25x28 27x32	2.545	**6079670**	H 6-12
12	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32	2.645	**6079750**	H 6-120

6 (AF)

DOUBLE OPEN ENDED SPANNER SET

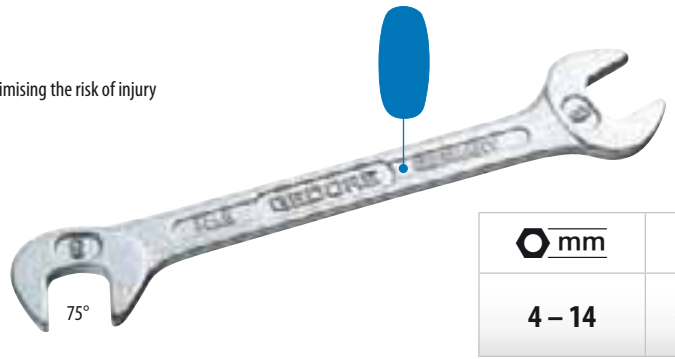
- Sets of the most used sizes
- Slim pattern, oval shaft
- GEDORE vanadium steel 31CrV3, chrome-plated

pieces	Contents												kg	Code	No.
6	3/8x7/16	1/2x9/16	5/8x11/16	3/4x25/32	13/16x7/8	15/16x1"							1.073	**6078000**	6-600 A
8	1/4x5/16	5/16x3/8	7/16x1/2	9/16x5/8	19/32x11/16	3/4x25/32	13/16x7/8	15/16x1"					1.174	**6078270**	6-8 A
12	1/4x5/16	5/16x3/8	3/8x7/16	7/16x1/2	1/2x9/16	9/16x5/8	19/32x11/16	5/8x3/4	3/4x7/8	25/32x13/16	15/16x1	1.1/16x1.1/8"	1.952	**6078510**	6-12 A

8 "SMALL"

Carefully forged and professionally machined:

- Flat heads: ground precisely to exact nominal size for optimum contact areas
- High bending strength - does not fracture or splinter when overloaded, thus minimising the risk of injury
- Overloading indicated by deformation
- Secure grip thanks to slim profile shaft
- Non-glare matt chrome-plated finish
- Offset head for difficult applications
- Top-grade industrial quality for the hardest of continuous use



mm	"AF
4 – 14	5/32" – 7/16"

8 (MM)

DOUBLE ENDED MIDGET SPANNER small

mm

- With same size each end
- Jaws set at 15° and 75°
- GEDORE vanadium steel 31CrV3, heads finely polished, chrome-plated

	L	a	b		Code	No.
4.0	69.0	2.2	10.4	0.005	**6093900**	8 4
4.5	69.0	2.2	10.4	0.006	**6094040**	8 4,5
5.0	77.3	2.2	12.4	0.006	**6094120**	8 5
5.5	77.3	2.2	12.4	0.007	**6094200**	8 5,5
6.0	77.3	2.2	12.4	0.008	**6094390**	8 6
7.0	89.5	2.6	14.8	0.011	**6094470**	8 7
8.0	95.5	3.1	17.5	0.016	**6094550**	8 8
9.0	103.8	3.1	20.2	0.020	**6094630**	8 9
10.0	103.8	3.1	20.2	0.021	**6094710**	8 10
11.0	115.2	3.1	24.0	0.028	**6094980**	8 11
12.0	115.2	3.1	24.0	0.028	**6095010**	8 12
13.0	130.5	3.1	28.0	0.037	**6095280**	8 13
14.0	130.5	3.1	28.0	0.038	**6095360**	8 14

8-0100

DOUBLE ENDED MIDGET SPANNER SET 10 pieces

- With same size each end
- Rings 15° and 75° offset from shaft
- GEDORE vanadium steel 31CrV3, chrome-plated
- In blue plastic wallet

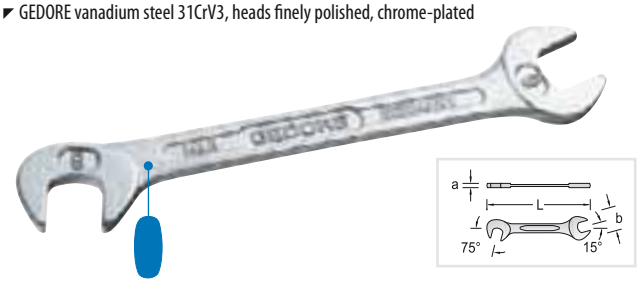
pieces	Contents	kg	Code	No.
10	5 5,5 6 7 8 9 10 11 12 13	0.225	**6099000**	8-0100

8 (AF)

DOUBLE ENDED MIDGET SPANNER small

"AF

- With same size each end
- Jaws set at 15° and 75°
- GEDORE vanadium steel 31CrV3, heads finely polished, chrome-plated



"AF	L	a	b	kg	Code	No.
5/32	69.0	2.2	10.4	0.007	**6096170**	8 5/32AF
3/16	69.0	2.2	10.4	0.005	**1965190**	8 3/16AF
7/32	77.3	2.2	12.4	0.006	**1965204**	8 7/32AF
1/4	77.3	2.2	12.4	0.008	**1965212**	8 1/4AF
9/32	89.5	2.6	14.8	0.012	**1965220**	8 9/32AF
5/16	95.5	3.1	17.5	0.013	**1965239**	8 5/16AF
11/32	103.8	3.1	20.2	0.015	**1965247**	8 11/32AF
3/8	103.8	3.1	20.2	0.016	**6096920**	8 3/8AF
7/16	115.2	3.1	24.0	0.020	**1965255**	8 7/16AF

8-011

DOUBLE ENDED MIDGET SPANNER SET 11 pieces

- With same size each end
- Rings 15 ° and 75 ° offset from shaft
- GEDORE vanadium steel 31CrV3, chrome-plated
- In plastic case
- Dimensions: 275 x 150 x 42 mm
- With GEDORE Check-Tool-System: 2-colour foam insert to check that the set is complete

pieces	Contents	kg	Code	No.
11	4,5 5 5,5 6 7 8 9 10 11 12 13	0.280	**1879146**	8-011

625 M

SPANNER SET MINI 11 pieces

- Sheet steel, hardened, bright nickel finish
- Contents: 8 open ended spanners, 1 contact file, 1 screwdriver, 1 feeler gauge 0.40 mm

Contents	kg	Code	No.
4 4,5 5 5,5 6 6,5 7 7,5	0.047	**6524820**	625 M

625 A

SPANNER SET MINI 11 pieces

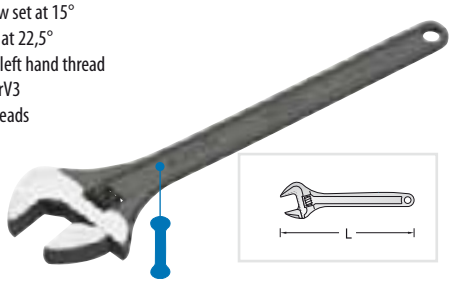
- Sheet steel, hardened, bright nickel finish
- Contents: 8 open ended spanners, 1 contact file, 1 screwdriver, 1 feeler gauge 0.40 mm

Contents	kg	Code	No.
3/16 7/32 1/4 9/32 5/16 11/32 3/8 7/16"	0.053	**6524900**	625 A

62 P

ADJUSTABLE SPANNER open end, phosphated

- Sturdy industrial design
- Sizes 6" - 18" = ISO 6787, jaw set at 15°
- Size 24" = ISO 6787, jaw set at 22,5°
- Swedish pattern, roller with left hand thread
- GEDORE vanadium steel 31CrV3
- Phosphate finish, polished heads

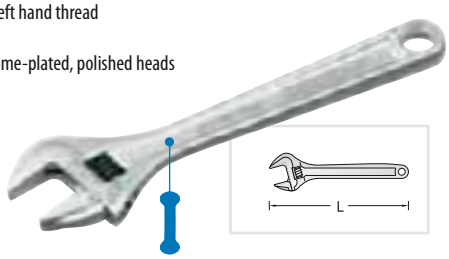


Size "	L	mm	"inch		kg	Code	No.
6	150	20	25/32	–	0.155	**2669072**	62 P 6
8	200	25	1	–	0.250	**2669080**	62 P 8
10	250	30	1.3/16	–	0.460	**2669099**	62 P 10
12	300	36	1.7/16	–	0.700	**2669102**	62 P 12
15	380	43	1.11/16	–	1.060	**6368430**	62 P 15
18	455	53	2.1/16	–	1.715	**6368510**	62 P 18
24	610	63	2.1/2	–	3.555	**6360880**	62 P 24

60 CP

ADJUSTABLE SPANNER open end, chrome-plated

- Acc. to ISO 6787
- Jaw set at 15°
- Swedish pattern, roller with left hand thread
- With scale
- Chrome-vanadium steel, chrome-plated, polished heads

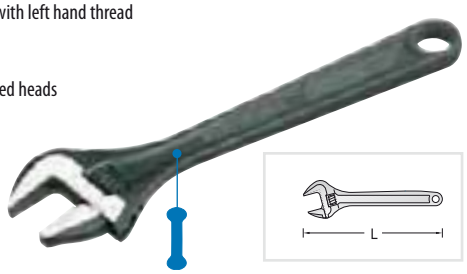


Size "	L	mm	"inch		kg	Code	No.
6	155	20	25/32	0-20	0.145	**6380990**	60 CP 6
8	205	25	1	0-25	0.270	**6381020**	60 CP 8
10	255	30	1.3/16	0-30	0.420	**6381100**	60 CP 10
12	305	36	1.7/16	0-36	0.785	**6381290**	60 CP 12

60 P

ADJUSTABLE SPANNER open end, phosphated

- ISO 6787, jaw set at 15°
- Swedish pattern, roller with left hand thread
- With scale
- Chrome-vanadium steel
- Phosphate finish, polished heads



Size "	L	mm	"inch		kg	Code	No.
6	155	20	25/32	0-20	0.145	**6380560**	60 P 6
8	205	25	1	0-25	0.295	**6380640**	60 P 8
10	255	30	1.3/16	0-30	0.430	**6380720**	60 P 10
12	305	36	1.7/16	0-36	0.705	**6380800**	60 P 12

60 S

ADJUSTABLE WRENCH open end

- Acc. to ISO 6787, jaw set at 15°
- Swedish pattern, roller with left-hand thread
- With scale
- The protected mechanism and additional striking face allow light blows to be applied without impairing the function of the wrench
- Comfort 2-component handle (versions JC and JP) for fatigue-free working
- Grip recess ensures secure hold - even with greasy hands
- Hanging hole
- Chrome-vanadium steel
- Version C nickel and chrome-plated, head ground
- Version P manganese phosphated, head ground
- Version JP and JC complete with plastic handle
- Patent applied

Size "	⊢◂ mm ▸⊣	mm		kg	Code	No.
6	153.0	20	0-20	0.160	**2668815**	60 S 6 P
8	206.5	25	0-25	0.340	**1966294**	60 S 8 P
10	254.5	30	0-30	0.251	**2171023**	60 S 10 P
12	305.0	36	0-36	0.780	**2668874**	60 S 12 P

Size "	⊢◂ mm ▸⊣	mm		kg	Code	No.
6	153.0	20	0-20	0.180	**2668831**	60 S 6 C
8	206.5	25	0-25	0.340	**1966316**	60 S 8 C
10	254.5	30	0-30	0.480	**2170973**	60 S 10 C
12	305.0	36	0-36	0.780	**2668890**	60 S 12 C

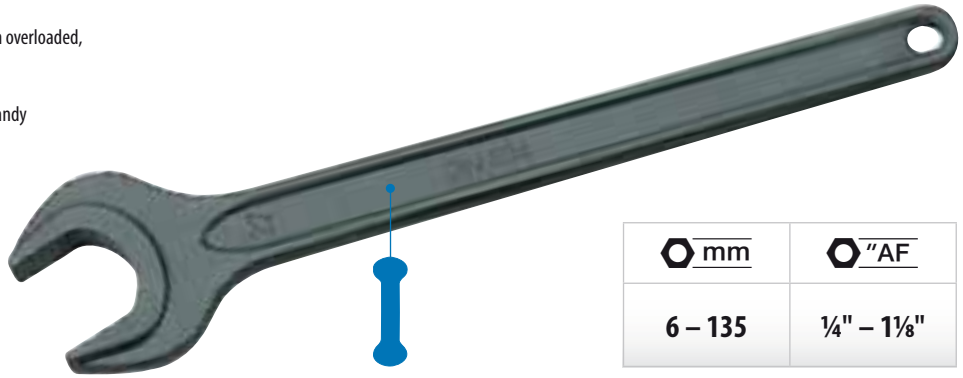
Size "	⊢◂ mm ▸⊣	mm		kg	Code	No.
6	153.0	20	0-20	0.180	**2668823**	60 S 6 JP
8	206.5	25	0-25	0.360	**1966308**	60 S 8 JP
10	254.5	30	0-30	0.500	**2171015**	60 S 10 JP
12	305.0	36	0-36	0.860	**2668882**	60 S 12 JP

Size "	⊢◂ mm ▸⊣	mm		kg	Code	No.
6	153.0	20	0-20	0.180	**2668858**	60 S 6 JC
8	206.5	25	0-25	0.360	**1966324**	60 S 8 JC
10	254.5	30	0-30	0.500	**2171007**	60 S 10 JC
12	305.0	36	0-36	0.860	**2668904**	60 S 12 JC

894 "BLACK SPANNERS"

Carefully forged and professionally machined:

- Jaw: ground precisely to exact nominal size for optimum contact areas
- Extra-long shaft for deep applications
- High bending strength - does not fracture or splinter when overloaded, thus minimising the risk of injury
- Overloading indicated by deformation
- Secure grip thanks to profile shaft - very ergonomic and handy
- Manganese-phosphated or steel grey



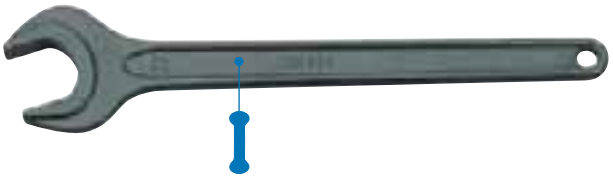
mm	"AF
6 – 135	¼" – 1⅛"

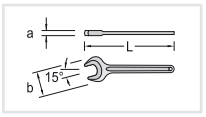
894 (MM)

SINGLE OPEN ENDED SPANNER

- Acc. to DIN 894, ISO 3318
- Jaw set at 15°
- GEDORE vanadium steel 31CrV3
- Manganese-phosphate finish up to 38 mm, shotblast finish from 41 mm and larger
- Sizes 10 - 135 mm with hanging hole
- * not standardised

mm





mm	*	L	a	b	kg	Code	No.
6		73	3.2	15.5	0.010	6573600	894 6
7		78	3.2	17.0	0.010	6573790	894 7
8		94	3.5	19.0	0.015	6573870	894 8
9		100	4.0	20.0	0.017	6573950	894 9
10		106	4.5	22.0	0.022	6574090	894 10
11		112	5.0	24.5	0.029	6574170	894 11
12		124	5.0	26.5	0.035	6574250	894 12
13		132	5.5	28.5	0.039	6574330	894 13
14		140	5.5	30.0	0.044	6574410	894 14
15		145	5.5	32.0	0.046	6574680	894 15
16		155	5.5	33.0	0.056	6574760	894 16
17		159	6.0	36.0	0.060	6574840	894 17
18		165	6.2	38.0	0.067	6575220	894 18
19		170	7.0	40.0	0.081	6575060	894 19
22		193	8.0	46.0	0.113	6575300	894 22
24		217	9.0	50.0	0.154	6575570	894 24
25	*	217	9.0	52.0	0.142	6575650	894 25
27		239	9.8	56.0	0.199	6575810	894 27
30		263	10.8	62.0	0.249	6576380	894 30
32		275	11.8	66.0	0.374	6576540	894 32
34		290	12.3	70.0	0.365	6575730	894 34
36		305	12.8	74.0	0.392	6576700	894 36

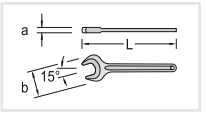
mm	*	L	a	b	kg	Code	No.
38	*	305	12.8	74.0	0.406	6576890	894 38
41		344	13.8	84.0	0.568	6576970	894 41
46		380	14.8	94.0	0.704	6577000	894 46
50		413	15.8	102.0	0.956	6577190	894 50
55		459	16.8	112.0	1.125	6577270	894 55
60		494	17.7	122.0	1.439	6577350	894 60
65		528	18.7	132.0	1.686	6577430	894 65
70		572	19.7	142.0	2.111	6577510	894 70
75		610	20.7	152.0	2.782	6577780	894 75
80		645	21.7	162.0	2.905	6577860	894 80
85		690	23.0	173.0	3.895	6577940	894 85
90	*	690	23.0	173.0	3.720	6578080	894 90
95	*	847	25.0	195.0	6.335	6578160	894 95
100	*	847	25.0	195.0	6.125	6578240	894 100
105	*	1000	29.0	217.0	8.905	6578320	894 105
110	*	1000	29.0	217.0	8.650	6578400	894 110
115	*	1000	29.0	217.0	8.480	6578590	894 115
120	*	1000	29.0	220.0	8.260	6578670	894 120
125	*	1000	29.0	220.0	8.345	6576030	894 125
130	*	1000	29.0	225.0	8.230	6576110	894 130
135	*	1000	29.0	225.0	7.775	6576460	894 135

894 (AF)

SINGLE OPEN ENDED SPANNER

- Jaw set at 15°
- GEDORE vanadium steel 31CrV3
- Manganese-phosphated
- Sizes 7/16" - 1.1/8" with hanging hole

"AF



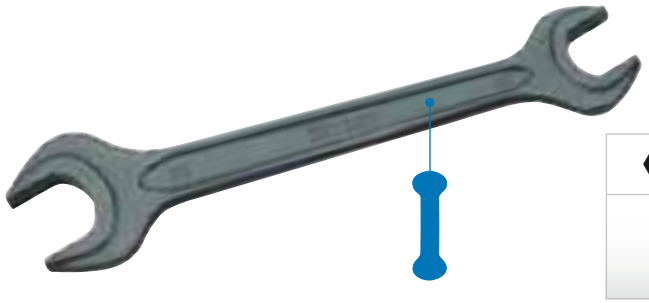
"AF	L	a	b	kg	Code	No.
1/4	73	3.2	15.5	0.009	6579210	894 1/4AF
5/16	94	3.5	19.0	0.013	6579560	894 5/16AF
3/8	100	4.0	20.0	0.014	6579720	894 3/8AF
7/16	112	5.0	24.5	0.026	6579990	894 7/16AF
1/2	132	5.5	26.5	0.040	6580060	894 1/2AF
9/16	140	5.5	30.0	0.047	6580140	894 9/16AF
5/8	155	5.5	33.0	0.053	6580300	894 5/8AF

"AF	L	a	b	kg	Code	No.
3/4	170	7.0	40.0	0.074	6580570	894 3/4AF
13/16	170	7.0	40.0	0.074	6580730	894 13/16AF
7/8	193	8.0	46.0	0.106	6580810	894 7/8AF
15/16	217	9.0	50.0	0.147	6581030	894 15/16AF
1	217	9.0	52.0	0.156	6581110	894 1AF
1.1/16	239	10.0	56.0	0.186	6581380	894 1.1/16AF
1.1/8	239	10.0	56.0	0.205	6581460	894 1.1/8AF

895 "BLACK DOUBLE OPEN ENDED SPANNERS"

Carefully forged and professionally machined:

- Jaws: ground precisely to exact nominal size for optimum contact areas
- Extra-long shaft for deep applications
- High bending strength - does not fracture or splinter when overloaded, thus minimising the risk of injury
- Overloading indicated by deformation
- Secure grip thanks to profile shaft - very ergonomic and handy
- Manganese-phosphated or steel grey



mm

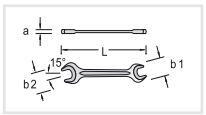
6 x 7
–
75 x 80

895 (MM)

DOUBLE OPEN ENDED SPANNER

- Acc. to DIN 895, ISO 3318, ISO 1085
- Jaw set at 15°
- GEDORE vanadium steel 31CrV3
- Manganese-phosphate finish up to 34x36 mm, shotblast finish 36x41 mm and larger
- * not standardised

mm



mm	*	L	a	b_1	b_2	kg	Code	No.
6 x 7		96	3.2	15.0	17.0	0.014	**6583830**	895 6x7
7 x 8		107	3.7	17.0	19.0	0.020	**6583910**	895 7x8
8 x 9		108	3.7	19.0	20.5	0.023	**6584130**	895 8x9
8 x 10		114	4.2	19.0	22.0	0.026	**6584210**	895 8x10
9 x 11	*	122	5.0	20.5	24.5	0.033	**6584640**	895 9x11
10 x 11		124	5.0	22.0	24.5	0.034	**6584720**	895 10x11
10 x 12	*	128	5.0	22.0	26.5	0.037	**6584800**	895 10x12
10 x 13		128	5.0	22.0	28.5	0.037	**6584990**	895 10x13
11 x 13		140	5.5	24.5	28.5	0.049	**6585100**	895 11x13
12 x 13	*	140	5.5	26.5	28.5	0.053	**6585370**	895 12x13
12 x 14		140	5.5	26.5	30.0	0.051	**6585450**	895 12x14
13 x 14	*	140	5.5	28.5	30.0	0.051	**6585530**	895 13x14
13 x 15		154	5.5	28.5	32.0	0.065	**6585610**	895 13x15
14 x 15	*	154	5.5	30.0	32.0	0.054	**6585880**	895 14x15
13 x 17		158	6.0	28.5	36.0	0.072	**6585960**	895 13x17
14 x 17		158	6.0	30.0	36.0	0.076	**6586180**	895 14x17
16 x 17	*	158	6.0	33.0	36.0	0.072	**6586260**	895 16x17
16 x 18		168	6.5	33.0	38.0	0.080	**6580650**	895 16x18
17 x 19		171	7.0	36.0	40.0	0.098	**6586340**	895 17x19
18 x 19	*	171	7.0	38.0	40.0	0.105	**6586500**	895 18x19
18 x 21		192	8.0	38.0	44.0	0.119	**6581540**	895 18x21

mm	*	L	a	b_1	b_2	kg	Code	No.
17 x 22	*	192	8.0	36.0	46.0	0.128	**6586420**	895 17x22
19 x 22		195	8.0	40.0	46.0	0.141	**6586690**	895 19x22
20 x 22	*	195	8.0	42.5	46.0	0.126	**6586850**	895 20x22
19 x 24		207	9.0	40.0	50.0	0.175	**6586770**	895 19x24
22 x 24		221	9.0	46.0	50.0	0.191	**6587070**	895 22x24
22 x 27	*	233	9.8	46.0	56.0	0.228	**6587150**	895 22x27
24 x 27		246	9.8	50.0	56.0	0.250	**6587230**	895 24x27
24 x 30		269	10.8	50.0	62.0	0.334	**6587580**	895 24x30
27 x 30		275	10.8	56.0	62.0	0.354	**6587660**	895 27x30
27 x 32		275	11.8	56.0	66.0	0.404	**6587740**	895 27x32
30 x 32		278	11.8	62.0	66.0	0.411	**6587820**	895 30x32
30 x 36		306	12.8	62.0	74.0	0.478	**6587900**	895 30x36
32 x 36		310	12.8	66.0	74.0	0.489	**6588040**	895 32x36
34 x 36		320	13.3	70.0	74.0	0.582	**6583080**	895 34x36
36 x 41		347	13.8	74.0	84.0	0.693	**6588120**	895 36x41
41 x 46		383	14.8	84.0	94.0	0.917	**6588200**	895 41x46
46 x 50		420	15.8	94.0	102.0	1.227	**6588390**	895 46x50
50 x 55		463	16.8	102.0	112.0	1.457	**6588470**	895 50x55
55 x 60		504	17.7	112.0	122.0	1.881	**6588550**	895 55x60
65 x 70	*	580	19.7	132.0	142.0	2.730	**6588630**	895 65x70
75 x 80	*	665	21.7	152.0	162.0	4.070	**6588710**	895 75x80

VDE 894 536

V 60 CP 536

GEDORE INDIVIDUAL … CUSTOMISED FOR YOU!

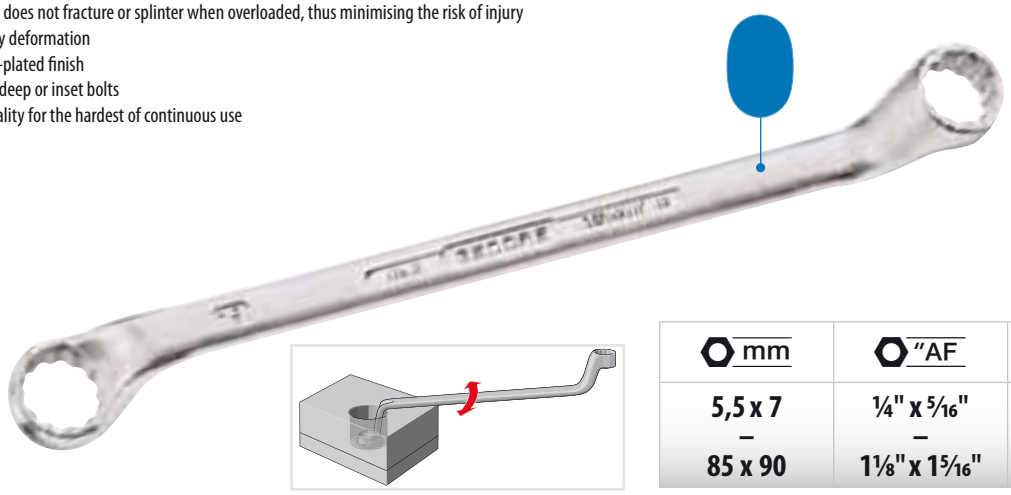
- **Individual – precise – customised – flexible – right on!**
- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU.**
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

DOUBLE ENDED RING SPANNERS

2 "OFFSET"

Carefully forged and professionally machined:
- Ring: thin-walled, 5° deep offset from shaft, with UD profile for gentle transmission of force
- High bending strength - does not fracture or splinter when overloaded, thus minimising the risk of injury
- Overloading indicated by deformation
- Non-glare matt chrome-plated finish
- Specialist for extremely deep or inset bolts
- Top-grade industrial quality for the hardest of continuous use

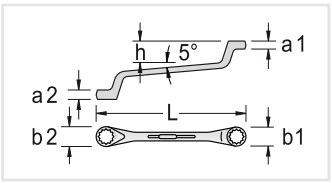


mm	"AF	Whitw.
5,5 x 7	¼" x 5⁄16"	3⁄16" x 3⁄16"
–	–	–
85 x 90	1⅛" x 1 5⁄16"	¾" x ⅞"

2 (MM)

DOUBLE ENDED RING SPANNER

- Rings deep offset, strong but thin walls
- Acc. to DIN 838, ISO 3318, ISO 1085, ISO 10104
- GEDORE vanadium steel 31CrV3, chrome-plated
- * not standardised



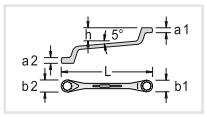
mm	*		L	a_1	a_2	b_1	b_2	h	kg	Code	No.
5,5 x 7	*	UD	170	5.6	6.6	10.0	12.0	20.7	0.062	6010630	2 5,5x7
6 x 7			170	5.6	6.6	10.5	12.0	20.7	0.045	6015350	2 6x7
7 x 8			180	5.6	6.6	12.0	13.3	21.7	0.068	6015430	2 7x8
8 x 9			182	6.6	7.6	13.3	14.4	21.7	0.065	6015510	2 8x9
8 x 10			182	6.6	8.5	13.3	15.9	21.7	0.072	6015780	2 8x10
9 x 11	*		195	7.6	9.5	14.4	17.5	23.6	0.086	6015860	2 9x11
10 x 11			195	8.5	9.5	15.9	17.5	23.6	0.089	6015940	2 10x11
10 x 12	*		195	8.5	9.6	15.9	19.0	23.6	0.089	6016080	2 10x12
10 x 13			212	8.5	10.3	15.9	20.1	25.1	0.122	6016160	2 10x13
11 x 13			212	9.5	10.3	17.5	20.1	25.1	0.129	6016320	2 11x13
11 x 14	*		212	9.5	10.6	17.5	21.6	25.1	0.151	6016400	2 11x14
12 x 13			212	9.6	10.3	19.0	20.1	25.1	0.125	6016590	2 12x13
12 x 14			212	9.6	10.6	19.0	21.6	25.1	0.134	6016670	2 12x14
13 x 14			225	10.3	10.6	20.1	21.6	26.1	0.156	6016750	2 13x14
13 x 15			225	10.3	11.3	20.1	23.1	26.1	0.160	6016830	2 13x15
14 x 15			225	10.6	11.3	21.6	23.1	26.1	0.154	6016910	2 14x15
13 x 16			235	10.3	11.6	20.1	24.2	26.1	0.166	6025310	2 13x16
13 x 17			245	10.3	12.3	20.1	25.8	27.1	0.212	6017050	2 13x17
14 x 17			245	10.6	12.3	21.6	25.8	27.1	0.227	6017130	2 14x17
16 x 17			245	11.6	12.3	24.2	25.8	27.1	0.205	6017210	2 16x17
16 x 18			265	11.6	12.6	24.2	27.0	28.6	0.250	6025660	2 16x18
17 x 19			265	12.3	13.0	25.8	28.8	28.6	0.250	6017480	2 17x19
18 x 19			265	12.6	13.0	27.0	28.8	28.6	0.258	6017560	2 18x19
18 x 21			285	12.6	13.4	27.0	31.1	31.0	0.327	6025740	2 18x21
19 x 22			287	13.0	14.3	28.8	33.0	31.0	0.352	6017720	2 19x22
20 x 22	*		287	13.3	14.3	30.1	33.0	31.0	0.345	6017800	2 20x22

mm	*		L	a_1	a_2	b_1	b_2	h	kg	Code	No.
19 x 24			305	13.0	14.4	28.8	35.7	33.0	0.419	6017990	2 19x24
21 x 23	*		305	13.4	14.3	30.9	34.0	33.0	0.411	6018020	2 21x23
21 x 24			307	13.4	14.4	30.9	35.7	33.0	0.386	6025820	2 21x24
22 x 24			307	14.3	14.4	32.8	35.7	33.0	0.412	6018100	2 22x24
22 x 27	*		325	14.3	15.4	32.8	40.1	34.5	0.518	6018290	2 22x27
24 x 26	*		325	14.4	15.3	35.7	38.0	34.5	0.503	6018370	2 24x26
24 x 27			325	14.4	15.4	35.7	40.1	34.5	0.506	6018450	2 24x27
24 x 30			345	14.4	16.4	35.7	44.1	35.5	0.579	6018530	2 24x30
25 x 28	*		345	14.4	15.4	37.0	41.1	35.5	0.565	6018610	2 25x28
27 x 29	*		345	14.8	16.4	40.1	42.5	35.5	0.678	6018880	2 27x29
27 x 30			345	15.4	16.4	40.1	44.1	35.5	0.628	6018960	2 27x30
27 x 32			370	15.4	17.4	40.1	47.1	37.4	0.701	6019180	2 27x32
30 x 32			370	16.4	17.4	44.1	47.1	37.4	0.731	6019260	2 30x32
30 x 34			375	16.4	18.7	44.1	50.0	37.4	0.763	6025900	2 30x34
30 x 36			400	16.4	19.4	43.2	52.6	38.4	0.872	6019340	2 30x36
32 x 36			400	17.4	19.4	47.1	53.0	38.4	0.878	6019420	2 32x36
34 x 36			420	18.7	19.4	50.0	53.0	38.4	0.929	6026040	2 34x36
36 x 41			440	19.4	20.4	53.0	60.5	40.4	1.166	6019500	2 36x41
38 x 42	*		440	19.7	20.4	56.4	62.5	40.4	1.207	6019690	2 38x42
41 x 46			485	20.4	22.2	62.0	68.9	42.8	1.535	6019770	2 41x46
46 x 50			535	22.2	23.6	68.9	75.5	47.8	2.035	6019850	2 46x50
55 x 60	*		610	24.6	25.6	84.9	91.8	54.2	3.125	6019930	2 55x60
65 x 70	*		685	26.6	27.6	101.4	107.4	58.1	4.860	6020000	2 65x70
75 x 80	*		790	29.0	30.0	120.0	127.0	61.0	6.685	6020190	2 75x80
85 x 90	*		800	29.0	30.0	120.0	127.0	61.0	6.455	6010980	2 85x90

2 (AF)

DOUBLE ENDED RING SPANNER

- Rings deep offset, strong but thin walls
- GEDORE vanadium steel 31CrV3, chrome-plated



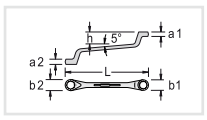
	L	a_1	a_2	b_1	b_2	h		Code	No.
1/4 x 5/16	170	6.0	7.2	11.0	13.2	20.7	63	**6021400**	2 1/4x5/16AF
5/16 x 3/8	180	7.2	8.2	13.2	15.2	21.7	73	**6021590**	2 5/16x3/8AF
3/8 x 7/16	195	8.2	9.5	15.2	17.5	23.6	98	**6021670**	2 3/8x7/16AF
7/16 x 1/2	212	9.5	10.0	17.5	20.0	25.1	134	**6021750**	2 7/16x1/2AF
1/2 x 9/16	225	10.0	10.6	20.0	22.1	26.1	141	**6021830**	2 1/2x9/16AF
9/16 x 5/8	225	10.6	11.6	22.1	24.2	26.1	156	**6021910**	2 9/16x5/8AF
19/32 x 11/16	245	11.3	12.3	22.9	26.5	27.1	195	**6022050**	2 19/32x11/16AF
5/8 x 11/16	245	11.6	12.3	24.2	26.5	27.1	210	**6022130**	2 5/8x11/16AF
5/8 x 3/4	265	11.6	13.0	24.2	29.0	28.6	258	**6022210**	2 5/8x3/4AF

	L	a_1	a_2	b_1	b_2	h		Code	No.
3/4 x 25/32	265	13.0	13.3	29.0	30.0	28.6	256	**6022560**	2 3/4x25/32AF
3/4 x 7/8	285	13.0	14.3	29.0	33.3	31.0	290	**6022640**	2 3/4x7/8AF
25/32 x 13/16	285	13.3	13.6	30.0	31.0	31.0	373	**6022720**	2 25/32x13/16AF
13/16 x 7/8	285	13.6	14.3	31.0	33.3	31.0	372	**6022800**	2 13/16x7/8AF
15/16 x 1	325	14.8	15.0	35.7	37.5	34.5	462	**6023020**	2 15/16x1AF
7/8 x 1.1/16	325	14.3	15.8	33.3	40.1	34.5	490	**6025580**	2 7/8x1.1/16AF
1.1/16 x 1.1/8	345	14.8	16.4	40.0	42.5	35.5	675	**6023290**	2 1.1/16x1.1/8AF
1.1/16 x 1.1/4	370	15.8	17.7	40.1	47.1	37.4	696	**6023370**	2 1.1/16x1.1/4AF
1.1/8 x 1.5/16	370	16.7	18.2	42.5	49.2	37.4	780	**6023450**	2 1.1/8x1.5/16AF

2 (WW)

DOUBLE ENDED RING SPANNER

- Rings deep offset, strong but thin walls
- GEDORE vanadium steel 31CrV3, chrome-plated



Whitw.	L	a_1	a_2	b_1	b_2	h	kg	Code	No. Whitw.
3/16 x 1/4	212	9.5	10.3	18.0	20.9	25.1	0.132	**6026630**	2 3/16x1/4W
1/4 x 5/16	225	10.3	11.3	20.9	23.7	26.1	0.160	**6026710**	2 1/4x5/16W
3/8 x 7/16	285	12.6	13.8	27.0	31.0	31.0	0.292	**6027280**	2 3/8x7/16W
7/16 x 1/2	305	13.8	14.6	31.0	34.8	33.0	0.404	**6027360**	2 7/16x1/2W

Whitw.	L	a_1	a_2	b_1	b_2	h	kg	Code	No. Whitw.
1/2 x 9/16	325	14.6	15.0	34.8	38.0	34.5	0.487	**6027440**	2 1/2x9/16W
9/16 x 5/8	345	15.0	16.3	38.0	41.0	35.5	0.586	**6027520**	2 9/16x5/8W
9/16 x 11/16	345	15.0	16.7	38.0	45.1	35.5	0.586	**6027600**	2 9/16x11/16W
3/4 x 7/8	400	18.7	20.2	48.8	55.5	38.4	0.855	**6028090**	2 3/4x7/8W

2 (MM)

DOUBLE ENDED RING SPANNER SET

- Sets of the most used sizes
- Rings deep offset, strong but thin walls, UD profile
- Acc. to DIN 838, ISO 3318, ISO 1085, ISO 10104
- GEDORE vanadium steel 31CrV3, chrome-plated

pieces	Contents	kg	Code	No.
8	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22	1.297	**6030580**	2-8
10	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27	2.225	**6030740**	2-10
10	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 24x27 30x32	2.555	**6031120**	2-100
12	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x26 25x28 27x32	4.060	**6030900**	2-12
12	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32	4.000	**6031040**	2-120
12	6x7 8x9 10x11 12x13 14x15 16x18 17x19 20x22 21x23 24x26 27x32 30x34	3.730	**6031390**	2-122 ISO

2 (AF)

DOUBLE ENDED RING SPANNER SET

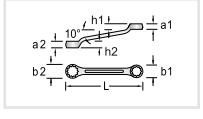
- Sets of the most used sizes
- Rings deep offset, strong but thin walls, UD profile
- GEDORE vanadium steel 31CrV3, chrome-plated

pieces	Contents	kg	Code	No.
8	1/4x5/16 5/16x3/8 7/16x1/2 9/16x5/8 19/32x11/16 3/4x25/32 13/16x7/8 15/16x1"	1.855	**6031470**	2-8 A
10	1/4x5/16 5/16x3/8 7/16x1/2 9/16x5/8 19/32x11/16 3/4x25/32 13/16x7/8 15/16x1 1.1/16x1.1/4 1.1/8x1.5/16"	3.340	**6031630**	2-10 A

2 B

DOUBLE ENDED RING SPANNER short pattern

- Shallow offset
- Thin walled rings
- GEDORE vanadium steel 31CrV3, chrome-plated



mm	L	a_1	a_2	b_1	b_2	h_1	h_2	kg	Code	No.
6 x 7	115	5.5	6.5	10.5	12.0	6	7	0.023	**6051150**	2 B 6x7
8 x 9	120	6.5	7.5	12.5	13.5	8	9	0.029	**6051230**	2 B 8x9
10 x 11	125	6.5	7.5	15.0	17.0	8	9	0.037	**6051310**	2 B 10x11

mm	L	a_1	a_2	b_1	b_2	h_1	h_2	kg	Code	No.
12 x 13	135	8.5	9.5	18.5	20.0	10	11	0.056	**6051580**	2 B 12x13
14 x 15	145	9.5	10.5	21.0	22.0	11	12	0.075	**6051660**	2 B 14x15
17 x 19	155	10.5	11.5	25.0	28.0	15	17	0.105	**6051740**	2 B 17x19

VDE 2 E

536

UNIVERSALLY "STRAIGHT"

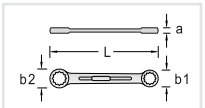
- Flat pattern

mm
6 x 7 – 46 x 50

4

FLAT RING SPANNER straight pattern

- Acc. to DIN 837 Form B, ISO 3318, ISO 1085
- Flat pattern
- Thin walled
- UD-profile
- GEDORE vanadium steel 31CrV3, chrome-plated
- * not standardised



mm	*	L	a	b_1	b_2	kg	Code	No.
6 x 7		99	4.5	10.0	11.5	0.014	**6052710**	4 6x7
8 x 9		114	5.2	13.0	14.5	0.024	**6053010**	4 8x9
8 x 10		115	5.2	13.0	16.0	0.022	**6053280**	4 8x10
10 x 11		131	5.8	16.0	17.0	0.034	**6053440**	4 10x11
10 x 13		149	6.4	16.0	20.5	0.045	**6053520**	4 10x13
12 x 13		149	6.4	19.0	20.5	0.049	**6053870**	4 12x13
13 x 15		161	7.2	20.5	23.0	0.064	**6054170**	4 13x15
14 x 15		161	7.2	21.5	23.0	0.064	**6054250**	4 14x15
13 x 17		167	7.8	20.5	25.5	0.074	**6054330**	4 13x17
14 x 17		169	7.8	21.5	25.5	0.077	**6054410**	4 14x17
16 x 17		169	7.8	24.5	25.5	0.084	**6054680**	4 16x17
17 x 19		186	8.5	25.5	28.0	0.098	**6054760**	4 17x19
18 x 19		186	8.5	27.0	28.0	0.106	**6054840**	4 18x19
19 x 22		209	9.4	28.0	32.5	0.136	**6054920**	4 19x22
20 x 22	*	209	9.4	29.5	32.5	0.134	**6055060**	4 20x22

mm	*	L	a	b_1	b_2	kg	Code	No.
19 x 24	*	233	10.0	28.0	35.5	0.176	**6055140**	4 19x24
21 x 23	*	233	10.0	30.5	33.5	0.171	**6055220**	4 21x23
22 x 24		233	10.0	32.5	35.5	0.184	**6055300**	4 22x24
24 x 26	*	261	10.8	35.5	38.0	0.230	**6055490**	4 24x26
24 x 27		260	10.8	35.5	39.0	0.249	**6055570**	4 24x27
25 x 28	*	289	11.6	36.5	41.0	0.273	**6055730**	4 25x28
24 x 30		290	11.6	35.5	43.5	0.303	**6055650**	4 24x30
27 x 32		320	12.6	39.0	46.0	0.373	**6055810**	4 27x32
30 x 32		320	12.6	43.5	46.0	0.399	**6056030**	4 30x32
30 x 36		357	13.8	43.5	51.5	0.469	**6056110**	4 30x36
32 x 36		357	13.8	46.0	51.5	0.492	**6056380**	4 32x36
36 x 41		391	15.0	51.5	59.0	0.616	**6056460**	4 36x41
41 x 46		431	16.2	59.0	66.0	0.789	**6056540**	4 41x46
46 x 50		473	16.5	66.0	71.5	1.035	**6056620**	4 46x50

4

FLAT RING SPANNER SET

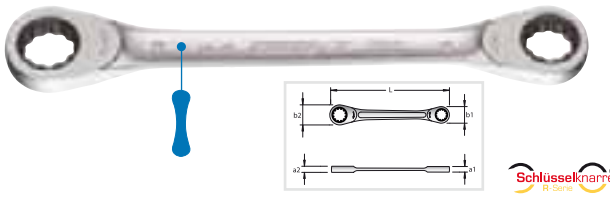
- Made up of sizes most in use
- Flat pattern
- Thin walled
- UD-profile
- Acc. to DIN 837 Form B, ISO 3318, ISO 1085
- GEDORE vanadium steel 31CrV3, chrome-plated

pieces	Contents	kg	Code	No.
8	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22	0.521	**6061700**	4-8
12	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x26 25x28 27x32	1.549	**6062000**	4-12
12	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32	2.000	**6062190**	4-120

4 R (MM)

DOUBLE RING RATCHET SPANNER

- Flat pattern
- Thin walled
- UD-profile
- Working angle: 7° up to 14x15 mm, 6° from 16x17 mm to 18x19 mm
- For ratchet loosening and fast tightening
- GEDORE vanadium steel 31CrV3
- Non-glare look thanks to matt chrome-plating, locking insert and pawl manganese-phosphated
- Hot forged
- Tried-and-tested GEDORE technology combined anew: stable hollow shaft of no. 7 and refined mechanism of the U-20 ratchets
- In combination with adaptor no. 7 RA or 7 RB (please order separately) the spanner no. 4 R can be used as a (bit) ratchet

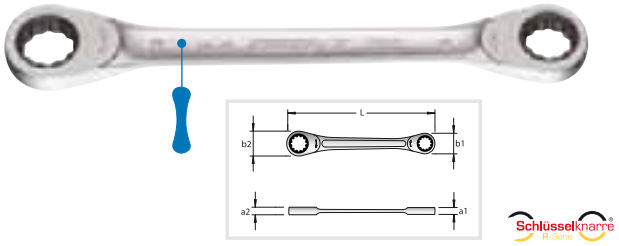


mm	°	L	a_1	a_2	b_1	b_2	kg	Code	No.
8 x 9	7	134.0	7.0	7.3	17.5	19.3	0.040	**2306719**	4 R 8x9
8 x 10	7	144.0	7.0	7.7	17.5	21.0	0.060	**2306727**	4 R 8x10
10 x 11	7	153.5	7.7	8.1	21.0	22.5	0.070	**2306743**	4 R 10x11
10 x 13	7	165.5	7.7	9.0	21.0	25.7	0.080	**2306751**	4 R 10x13
12 x 13	7	174.5	8.6	9.0	23.6	25.7	0.090	**2306786**	4 R 12x13
14 x 15	7	197.0	9.4	9.8	28.2	29.5	0.140	**2306794**	4 R 14x15
16 x 17	6	222.0	10.2	10.6	31.7	33.6	0.200	**2306808**	4 R 16x17
17 x 19	6	235.0	10.6	11.7	33.6	36.3	0.220	**2306816**	4 R 17x19
18 x 19	6	248.0	11.0	11.7	34.6	36.3	0.230	**2306832**	4 R 18x19

4 R (AF)

DOUBLE RING RATCHET SPANNER

- Flat pattern
- Thin walled
- UD-profile
- Working angle: 7°
- For ratchet loosening and fast tightening
- GEDORE vanadium steel 31CrV3
- Non-glare look thanks to matt chrome-plating, locking insert and pawl manganese-phosphated
- Hot forged
- Tried-and-tested GEDORE technology combined anew: stable hollow shaft of no. 7 and refined mechanism of the U-20 ratchets

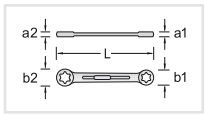


"AF	°	L	a_1	a_2	b_1	b_2	kg	Code	No.
1/4 x 5/16	7	134.0	7.0	7.3	17.5	19.3	0.040	**2825015**	4 R 1/4x5/16AF
5/16 x 11/32	7	134.0	7.0	7.3	17.5	19.3	0.040	**2825031**	4 R 5/16x11/32AF
3/8 x 7/16	7	153.5	7.7	8.1	21.0	22.5	0.070	**2825023**	4 R 3/8x7/16AF
1/2 x 9/16	7	197.0	9.4	9.8	28.2	29.5	0.140	**2825007**	4 R 1/2x9/16AF

TX 4

FLAT RING SPANNER straight pattern, for protruding TORX® head screws

- GEDORE vanadium steel 31CrV3, chrome-plated
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



	M	mm	L	a_1	a_2	b_1	b_2	kg	Code	No.
E6xE8	M5 - M7	5,74 x 7,52	110	5.0	6.0	9.0	11.0	0.014	**6059800**	TX 4 E6xE8
E10xE12	M8 - M10	9,42 x 11,17	140	7.0	8.0	13.0	15.0	0.039	**6059990**	TX 4 E10xE12
E14xE18	M12 - M14	12,9 x 16,7	180	8.5	9.5	17.0	21.0	0.074	**6060140**	TX 4 E14xE18
E20xE24	M16 - M20	18,45 x 22,16	226	11.5	13.5	24.5	28.5	0.163	**6060220**	TX 4 E20xE24

GEDORE INDIVIDUAL … CUSTOMISED FOR YOU!

- **Individual – precise – customised – flexible – right on!**
- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU.**
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

"SPECIAL"

- For applications involving hydraulic/brake lines or breathing conduits on diving cylinders

mm	"AF
8 x 10 – 46 x 50	5/16"x3/8" – 7/8"x1"

400 (MM)

FLARE NUT SPANNER, OPEN

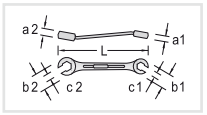
- Acc. to DIN 3118
- Ring 15° offset from shaft
- Hexagon gap 30° offset, UD-section at 15° offset
- Sizes 8x10 to 12x14 mm with hexagon
- GEDORE vanadium steel 31CrV3, chrome-plated
- * not standardised

mm	*		L	a_1	a_2	b_1	b_2	c_1	c_2	kg	Code	No.
8 x 10		6-k	140	6.5	8.0	18	20	6.0	7.0	0.045	**6057190**	400 8x10
9 x 11	*		145	7.5	8.5	19	22	6.5	8.5	0.059	**6056970**	400 9x11
10 x 11			150	8.0	8.5	20	22	7.0	8.5	0.064	**6057270**	400 10x11
10 x 12	*		150	8.0	9.5	20	24	7.0	9.0	0.073	**6051070**	400 10x12
11 x 13			160	8.5	10.5	22	26	8.5	10.0	0.077	**6057350**	400 11x13
12 x 14			170	9.5	11.2	24	28	9.0	11.0	0.106	**6057430**	400 12x14
13 x 15	*	UD	180	10.5	11.8	26	29	10.0	12.0	0.116	**6057000**	400 13x15
14 x 17			195	11.5	12.2	28	32	11.0	14.0	0.136	**6057510**	400 14x17
17 x 19			210	12.2	13.2	32	35	14.0	15.0	0.179	**6057780**	400 17x19
19 x 22			230	13.2	15.2	35	41	15.0	17.0	0.246	**6058670**	400 19x22
22 x 24			250	15.2	16.2	41	45	17.0	18.0	0.335	**6057860**	400 22x24
24 x 27			270	16.2	17.2	45	48	18.0	20.0	0.408	**6058750**	400 24x27
30 x 32			300	20.2	22.2	50	52	22.0	24.0	0.575	**6058830**	400 30x32
36 x 41	*		351	25.2	28.2	58	66	25.0	32.0	0.980	**1933175**	400 36x41
46 x 50	*		396	31.5	33.5	74	79	35.0	39.0	0.800	**2297183**	400 46x50

400 (AF)

FLARE NUT SPANNER, OPEN

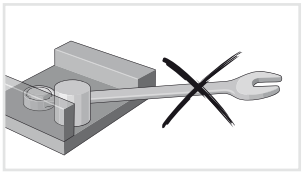
- Ring 15° offset from shaft
- Hexagon gap 30° offset, bi-hexagon section at 15° offset
- Sizes 5/16x3/8 to 1/2x9/16AF with hexagon
- GEDORE vanadium steel 31CrV3, chrome-plated

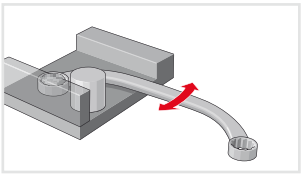


"AF		L	a_1	a_2	b_1	b_2	c_1	c_2	kg	Code	No.
5/16 x 3/8	6-k	140	6.5	8.0	18	20	6.0	7.0	0.043	**6057940**	400 5/16x3/8AF
3/8 x 7/16		150	8.0	8.5	20	22	7.0	8.5	0.057	**6058080**	400 3/8x7/16AF
7/16 x 1/2		160	8.5	10.5	22	26	8.5	10.0	0.076	**6058160**	400 7/16x1/2AF
1/2 x 9/16		170	9.5	11.2	24	28	10.0	11.0	0.092	**6058240**	400 1/2x9/16AF
9/16 x 5/8	12-k	195	11.2	12.2	28	32	11.0	13.0	0.129	**6058320**	400 9/16x5/8AF
5/8 x 3/4		210	12.2	13.2	32	35	13.0	15.0	0.178	**6058400**	400 5/8x3/4AF
3/4 x 7/8		230	13.2	15.2	35	41	15.0	17.0	0.235	**6056700**	400 3/4x7/8AF
7/8 x 1		250	15.2	16.2	41	45	17.0	19.0	0.304	**6058590**	400 7/8x1AF

"SPECIAL"

- Specialists in tight spaces



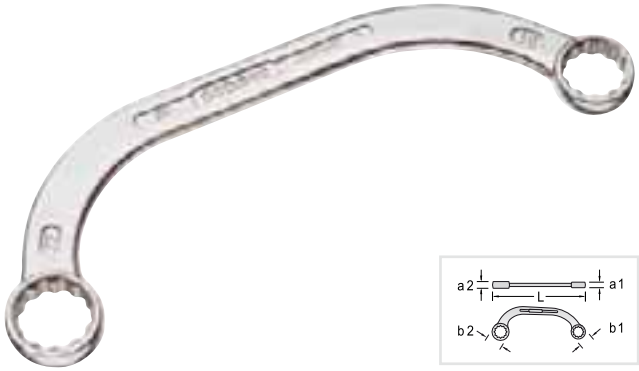


mm	"AF
11 x 13 – 19 x 22	7/16" x 1/2" – 3/4" x 7/8"

304 (MM)

HALF-MOON RING SPANNER

- Thin walled rings
- GEDORE vanadium steel 31CrV3, chrome-plated

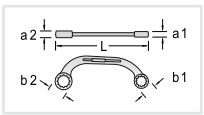


mm	L	a_1	a_2	b_1	b_2	kg	Code	No.
11 x 13	150	7.0	7.5	17.0	20.5	0.077	**6470040**	304 11x13
13 x 15	185	8.5	8.5	20.5	23.0	0.129	**6470630**	304 13x15
13 x 17	185	8.5	8.5	20.5	25.5	0.140	**6470120**	304 13x17
14 x 16	185	8.5	8.5	21.5	24.5	0.137	**6470200**	304 14x16
14 x 17	185	8.5	8.5	21.5	25.5	0.144	**6470390**	304 14x17
15 x 17	185	8.5	8.5	23.0	25.5	0.150	**6470470**	304 15x17
16 x 18	185	8.5	8.5	24.5	27.0	0.163	**6567550**	304 16x18
19 x 22	230	10.0	10.5	28.0	32.5	0.261	**6470550**	304 19x22

304 (AF)

HALF-MOON RING SPANNER

- Thin walled rings
- GEDORE vanadium steel 31CrV3, chrome-plated



"AF	L	a_1	a_2	b_1	b_2	kg	Code	No.
7/16 x 1/2	150	7.0	7.5	17.0	20.5	0.079	**6471010**	304 7/16x1/2AF
9/16 x 5/8	185	8.5	8.5	21.5	24.5	0.139	**6471280**	304 9/16x5/8AF
5/8 x 3/4	230	10.0	10.5	24.5	28.0	0.219	**6471360**	304 5/8x3/4
3/4 x 7/8	230	10.0	10.5	28.0	32.5	0.247	**6471440**	304 3/4x7/8AF

GEDORE INDIVIDUAL

... CUSTOMISED FOR YOU!

- **Individual – precise – customised – flexible – right on!**
- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

SLOGGING SPANNERS

"POWERFUL"

- Top-grade industrial quality for the hardest of continuous use

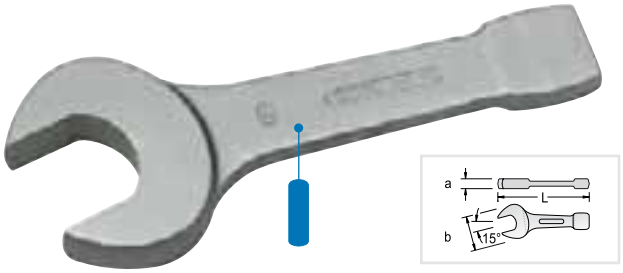
mm	"AF
27 – 170	1" – 4"

133 (MM)

OPEN ENDED SLOGGING SPANNER

mm

- For very heavy-duty work
- Acc. to DIN 133
- Up to length 500 mm chrome-vanadium steel 31CrV3, above 525 mm material C35
- Special sizes available on request
- * not standardised



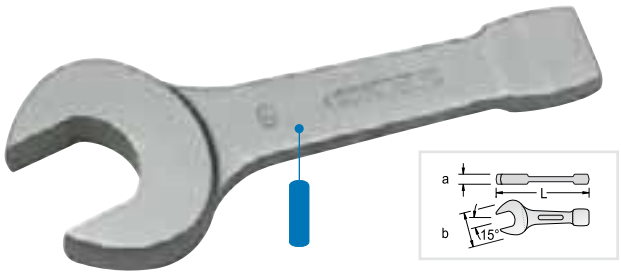
mm *	L	a	b	kg	Code	No.
27	181	16.3	56.0	0.385	**6410570**	133 27
30	188	16.7	62.0	0.451	**6400260**	133 30
32	196	17.2	66.0	0.552	**6400340**	133 32
34	196	17.2	66.0	0.559	**6411030**	133 34
36	211	18.2	76.0	0.709	**6400420**	133 36
41	227	19.2	88.0	1.000	**6400500**	133 41
46	256	19.7	98.0	1.258	**6400690**	133 46
50	281	21.2	106.5	1.609	**6400770**	133 50
55	310	23.6	117.0	2.131	**6400850**	133 55
60	321	24.1	128.0	2.484	**6400930**	133 60
65	351	27.6	139.0	3.340	**6401070**	133 65
70	370	29.6	150.0	4.325	**6401150**	133 70
75	390	31.0	161.5	5.110	**6401230**	133 75
80	406	34.0	172.5	6.020	**6401310**	133 80
85	406	34.0	172.5	5.770	**6401580**	133 85
90	456	38.4	194.0	8.905	**6401660**	133 90
95	456	38.4	194.0	8.985	**6401740**	133 95
100	500	46.3	225.5	13.315	**6401820**	133 100
105	500	46.3	225.5	13.220	**6401900**	133 105
110	500	46.3	225.5	13.045	**6402040**	133 110
115	525	54.2	245.5	17.660	**6402120**	133 115
120	525	54.2	245.5	17.610	**6402200**	133 120
125 *	545	50.0	255.0	16.760	**6402390**	133 125
130	575	55.0	275.0	19.030	**6402470**	133 130
135	575	55.0	275.0	18.880	**6402550**	133 135
140 *	575	55.0	275.0	17.880	**6402630**	133 140
145	640	60.0	305.0	26.665	**6402710**	133 145
150	640	60.0	305.0	24.660	**6402980**	133 150
160 *	640	60.0	305.0	25.690	**6403280**	133 160
165	715	70.0	342.0	39.560	**6403360**	133 165
170	715	70.0	342.0	37.760	**6403440**	133 170

133 (AF)

OPEN ENDED SLOGGING SPANNER

"AF

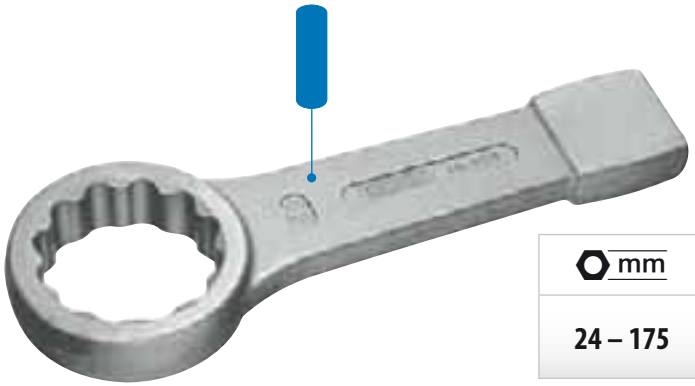
- For very heavy-duty work
- Up to length 500 mm chrome-vanadium steel 31CrV3, above 525 mm material C35
- Special sizes available on request



"AF	L	a	b	kg	Code	No.
1	181	16.3	56.0	0.392	**6403950**	133 1AF
1.1/16	181	16.3	56.0	0.392	**6404090**	133 1.1/16AF
1.1/8	181	16.3	56.0	0.394	**6404170**	133 1.1/8AF
1.3/16	188	16.7	62.0	0.470	**6404250**	133 1.3/16AF
1.1/4	188	16.7	62.0	0.461	**6404330**	133 1.1/4AF
1.5/16	196	17.2	66.0	0.544	**6404410**	133 1.5/16AF
1.3/8	196	17.2	66.0	0.547	**6404680**	133 1.3/8AF
1.7/16	211	18.2	76.0	0.713	**6404760**	133 1.7/16AF
1.1/2	211	18.2	76.0	0.699	**6404840**	133 1.1/2AF
1.5/8	227	19.2	88.0	0.980	**6404920**	133 1.5/8AF
1.11/16	227	19.2	88.0	0.981	**6405060**	133 1.11/16AF
1.3/4	227	19.2	88.0	0.987	**6405140**	133 1.3/4AF
1.13/16	256	19.7	98.0	1.272	**6405220**	133 1.13/16AF
1.7/8	256	19.7	98.0	1.271	**6405570**	133 1.7/8AF
2	281	21.2	106.5	1.594	**6405650**	133 2AF
2.1/16	281	21.2	106.5	1.640	**6405730**	133 2.1/16AF
2.1/8	281	21.2	106.5	1.559	**6407780**	133 2.1/8AF
2.3/16	310	23.6	117.0	2.115	**6408160**	133 2.3/16AF
2.1/4	310	23.6	117.0	2.095	**6408240**	133 2.1/4AF
2.3/8	321	23.6	128.0	2.466	**6408320**	133 2.3/8AF
2.7/16	321	23.6	128.0	2.396	**6408400**	133 2.7/16AF
2.9/16	351	27.6	139.0	3.490	**6408590**	133 2.9/16AF
2.5/8	351	27.6	139.0	3.270	**6408670**	133 2.5/8AF
2.3/4	370	29.6	150.0	4.280	**6408750**	133 2.3/4AF
3	390	31.0	161.5	4.880	**6408830**	133 3AF
3.1/8	406	34.0	172.5	5.950	**6408910**	133 3.1/8AF
3.3/8	406	34.0	172.5	5.640	**6409050**	133 3.3/8AF
3.1/2	456	38.4	194.0	8.910	**6409130**	133 3.1/2AF
3.3/4	456	38.4	194.0	8.555	**6409210**	133 3.3/4AF
3.7/8	500	46.3	225.5	13.465	**6409480**	133 3.7/8AF
4	500	46.3	225.5	13.635	**6409560**	133 4AF

"POWERFUL"

- Top-grade industrial quality for the hardest of continuous use

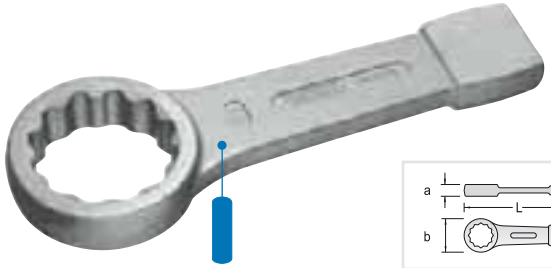


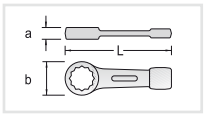
mm	"AF
24 – 175	1" – 4 ½"

306 (MM)

RING SLOGGING SPANNER

- For very heavy-duty work
- Acc. to DIN 7444
- Up to length 435 mm chrome-vanadium steel 31CrV3, above 480 mm from C35
- Special sizes available on request
- * not standardised



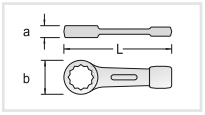


mm	*		L	a	b	kg	Code	No.
24	*	UD	160	15.0	42.5	0.262	**6475000**	306 24
27			180	15.5	47.0	0.328	**6475190**	306 27
30			190	16.5	51.5	0.393	**6475270**	306 30
32			195	16.5	53.0	0.428	**6475350**	306 32
34			195	16.5	53.0	0.401	**6481670**	306 34
36			205	19.5	60.0	0.674	**6475430**	306 36
38	*		205	19.5	60.0	0.635	**6474460**	306 38
41			225	20.5	66.0	0.790	**6475510**	306 41
46			240	22.5	75.0	0.999	**6475780**	306 46
50			250	23.5	80.0	1.093	**6475860**	306 50
55			270	25.0	87.5	1.452	**6475940**	306 55
60			270	26.0	93.5	1.577	**6476080**	306 60
65		12pt	290	29.0	101.0	2.580	**6476160**	306 65
70			320	32.5	109.5	2.580	**6476240**	306 70
75			325	34.0	114.5	3.010	**6476320**	306 75
80			345	35.0	123.0	3.515	**6476400**	306 80
85			360	37.0	129.0	3.895	**6476590**	306 85
90			400	41.5	152.0	6.370	**6476670**	306 90
95			400	41.5	152.0	6.285	**6476750**	306 95
100			400	41.5	152.0	6.030	**6476830**	306 100
105			435	47.5	172.0	8.660	**6476910**	306 105
110			435	47.5	172.0	8.440	**6477050**	306 110
115			435	47.5	172.0	8.160	**6477130**	306 115
120			480	54.0	182.0	9.855	**6477210**	306 120
125	*		480	54.0	182.0	9.665	**6477480**	306 125
130			520	58.0	202.0	12.295	**6477560**	306 130
135			520	58.0	202.0	11.790	**6477640**	306 135
140	*		520	58.0	202.0	11.960	**6477720**	306 140
145			580	64.0	228.0	18.550	**6477800**	306 145
150			580	64.0	228.0	17.980	**6477990**	306 150
155			580	64.0	228.0	16.940	**6478020**	306 155
160	*		580	64.0	228.0	17.890	**6478100**	306 160
165			650	70.0	265.0	26.660	**6478290**	306 165
175	*		650	70.0	265.0	25.920	**6478450**	306 175

306 (AF)

RING SLOGGING SPANNER

- For very heavy-duty work
- Up to length 435 mm chrome-vanadium steel 31CrV3, above 480 mm from C35
- Special sizes available on request



"AF		L	a	b	kg	Code	No.
1	UD	160	15.0	42.5	0.262	**6474540**	306 1AF
1.1/16		180	15.5	47.0	0.325	**6474620**	306 1.1/16AF
1.1/8		180	15.5	47.0	0.315	**6474700**	306 1.1/8AF
1.3/16		190	16.5	51.5	0.389	**6474890**	306 1.3/16AF
1.1/4		190	16.5	51.5	0.386	**6474970**	306 1.1/4AF
1.5/16		195	16.5	53.0	0.415	**6478530**	306 1.5/16AF
1.3/8	12pt	195	16.5	53.0	0.409	**6478610**	306 1.3/8AF
1.7/16		205	19.5	60.0	0.660	**6478880**	306 1.7/16AF
1.1/2		205	19.5	60.0	0.641	**6478960**	306 1.1/2AF
1.5/8		225	20.5	66.0	0.820	**6479180**	306 1.5/8AF
1.11/16		225	20.5	66.0	0.766	**6479260**	306 1.11/16AF
1.3/4		225	20.5	66.0	0.770	**6479340**	306 1.3/4AF
1.13/16		240	22.5	75.0	0.982	**6479420**	306 1.13/16AF
1.7/8		240	22.5	75.0	0.985	**6479500**	306 1.7/8AF
2		250	23.5	80.0	1.090	**6479690**	306 2AF
2.1/16		250	23.5	80.0	1.079	**6479770**	306 2.1/16AF
2.1/8		250	23.5	80.0	1.039	**6479850**	306 2.1/8AF
2.3/16		270	25.0	87.5	1.431	**6479930**	306 2.3/16AF
2.1/4		270	25.0	87.5	1.397	**6480000**	306 2.1/4AF
2.3/8		270	26.0	93.5	1.616	**6480190**	306 2.3/8AF
2.7/16		270	26.0	93.5	1.531	**6480270**	306 2.7/16AF
2.9/16		290	29.0	101.0	2.076	**6480350**	306 2.9/16AF
2.5/8		290	29.0	101.0	2.035	**6480430**	306 2.5/8AF
2.3/4		320	32.5	109.5	2.545	**6480510**	306 2.3/4AF
3		325	34.0	114.5	3.005	**6480780**	306 3AF
3.1/8		345	35.0	123.0	3.365	**6480860**	306 3.1/8AF
3.3/8		360	36.0	126.0	3.790	**6480940**	306 3.3/8AF
3.1/2		390	40.0	142.0	5.125	**6481080**	306 3.1/2AF
3.3/4		400	41.5	152.0	6.130	**6481160**	306 3.3/4AF
3.7/8		420	45.0	155.0	6.150	**6481240**	306 3.7/8AF
4.1/2		450	48.0	170.0	7.475	**6481590**	306 4.1/2AF

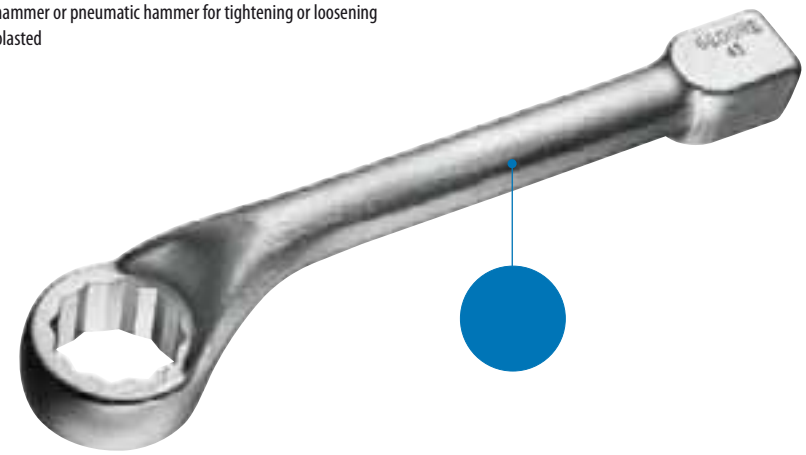
"STRONG"

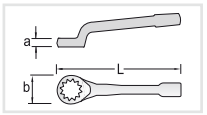
- Top-grade industrial quality for the hardest of continuous use

306 G

RING SLOGGING SPANNER DEEP OFFSET

- For very heavy-duty work
- To use with club hammer or pneumatic hammer for tightening or loosening
- Hot forged, sandblasted





mm
27 – 110

mm	L	a	b	kg	Code	No.
27	270	25	51	1.098	**1415875**	306 G 27
30	270	25	51	1.080	**1415913**	306 G 30
32	270	25	51	1.061	**1415972**	306 G 32
36	310	30	67	2.010	**1416014**	306 G 36
41	310	30	67	1.842	**1416057**	306 G 41
46	340	35	79	2.950	**1416111**	306 G 46
50	360	40	94	4.410	**1416197**	306 G 50
55	360	40	94	4.155	**1416227**	306 G 55
60	380	45	108	5.690	**1416308**	306 G 60

mm	L	a	b	kg	Code	No.
65	380	45	108	5.490	**1416332**	306 G 65
70	406	50	126	7.455	**1416405**	306 G 70
75	406	50	126	7.165	**1416456**	306 G 75
80	406	50	126	6.970	**1416480**	306 G 80
85	459	57	151	10.630	**1416537**	306 G 85
90	459	57	151	10.480	**1416553**	306 G 90
95	459	57	151	9.830	**1416588**	306 G 95
110	510	68	172	13.565	**1416669**	306 G 110

DEEP RING SPANNERS

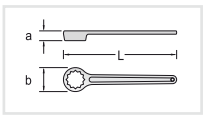
"STRONG"

- Top-grade industrial quality for the hardest of continuous use

308

DEEP RING SPANNER straight pattern

- Acc. to DIN 3111
- In heat-treated steel as per EN 10083, shotblast finish
- Further sizes available on request
- * not standardised



mm
32 – 65

mm	*	L	a	b	kg	Code	No.
32		265	19.0	49.0	0.358	**6481750**	308 32
36	*	295	22.0	56.0	0.473	**6481830**	308 36
41		330	25.0	63.5	0.717	**6481910**	308 41
46		365	27.0	70.5	0.925	**6482050**	308 46

mm	*	L	a	b	kg	Code	No.
50		400	28.0	77.0	1.230	**6482130**	308 50
55		442	29.5	83.5	1.626	**6482210**	308 55
60		475	30.0	89.5	1.792	**6482480**	308 60
65	*	510	32.0	97.0	2.208	**6482560**	308 65

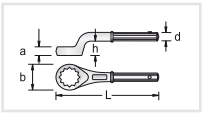
"STRONG"

- Top-grade industrial quality for the hardest of continuous use
- Optional accessories: No. 2 AR extension tube for extending the lever arm

2 A

SINGLE ENDED RING SPANNER offset

- Heavy-duty pattern for highest torques
- GEDORE vanadium steel 31CrV3, chrome-plated
- Special sizes available on request



mm
24 – 95

mm	L	a	b	d	h	2 AR	kg	Code	No.
24	180	17.0	38.0	18.3	29.0	0	0.389	**6033840**	2 A 24
27	190	17.4	41.5	18.3	31.5	0	0.430	**6033920**	2 A 27
30	200	18.4	47.0	18.3	33.0	0	0.514	**6034060**	2 A 30
32	235	18.4	50.0	21.3	34.0	1	0.732	**6034140**	2 A 32
34	235	18.4	50.0	21.3	34.0	1	0.748	**6030150**	2 A 34
36	245	20.0	55.0	21.3	35.0	1	0.796	**6034220**	2 A 36
41	265	22.0	61.5	21.3	39.0	1	0.934	**6034300**	2 A 41
46	280	23.0	68.5	24.1	40.0	2	1.220	**6034490**	2 A 46
50	290	25.5	75.0	24.1	42.0	2	1.388	**6034570**	2 A 50

mm	L	a	b	d	h	2 AR	kg	Code	No.
55	300	28.0	80.0	24.1	45.0	2	1.492	**6034650**	2 A 55
60	345	30.5	89.0	29.1	49.0	3	2.283	**6034730**	2 A 60
65	355	33.0	97.0	29.1	53.0	3	2.535	**6034810**	2 A 65
70	365	35.5	104.0	29.1	55.0	3	2.736	**6035030**	2 A 70
75	375	38.0	109.0	29.1	57.5	3	2.982	**6035110**	2 A 75
80	385	40.5	124.0	29.1	59.0	3	3.770	**6035380**	2 A 80
85	385	40.5	124.0	29.1	59.0	3	3.605	**6035460**	2 A 85
90	410	45.0	140.0	29.1	63.0	3	4.850	**6035540**	2 A 90
95	410	45.0	140.0	29.1	63.0	3	4.540	**6035620**	2 A 95

2 ATM

SINGLE ENDED RING SPANNER SET 19 pieces

- 15 spanners 2 A and 4 extension tubes on a sheet steel board fitted with hooks
- Dimensions: W 970 x H 740 mm

Contents	kg	Code	No.
2 A 24 27 30 32 36 41 46 50 55 60 65 70 75 80 85 2 AR 0 1 2 3	65.0	**6049250**	2 ATM

2 AR

EXTENSION TUBE

- For ring spanner No. 2 A, steel tube, chrome-plated
- For extending the lever arm and applying higher forces

Internal-Ø	mm	⟷ mm ⟷	kg	Code	No.
19	24-30	460	0.614	**6048600**	2 AR 0
22	32-41	610	1.568	**6048790**	2 AR 1
25	46-55	760	2.806	**6048870**	2 AR 2
30	60-95	860	3.715	**6048950**	2 AR 3

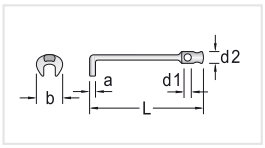
GEDORE INDIVIDUAL
CHECK
COAT
FORGE
MOD
RAL
L 1 2 3 SIZE

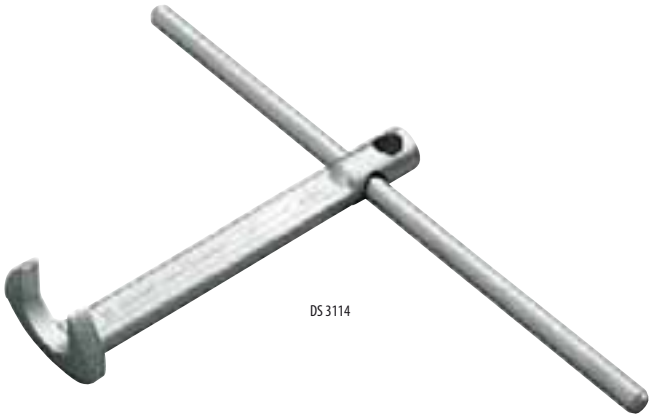
CROWFOOT SPANNERS

3114 - DS 3114

CROWFOOT SPANNER

- Opening at right angle to shaft for maximum accessibility
- GEDORE vanadium steel 31CrV3, chrome-plated
- No. 3114 = Delivery without tommy bar
- No. DS 3114 = Delivery with tommy bar 26 D



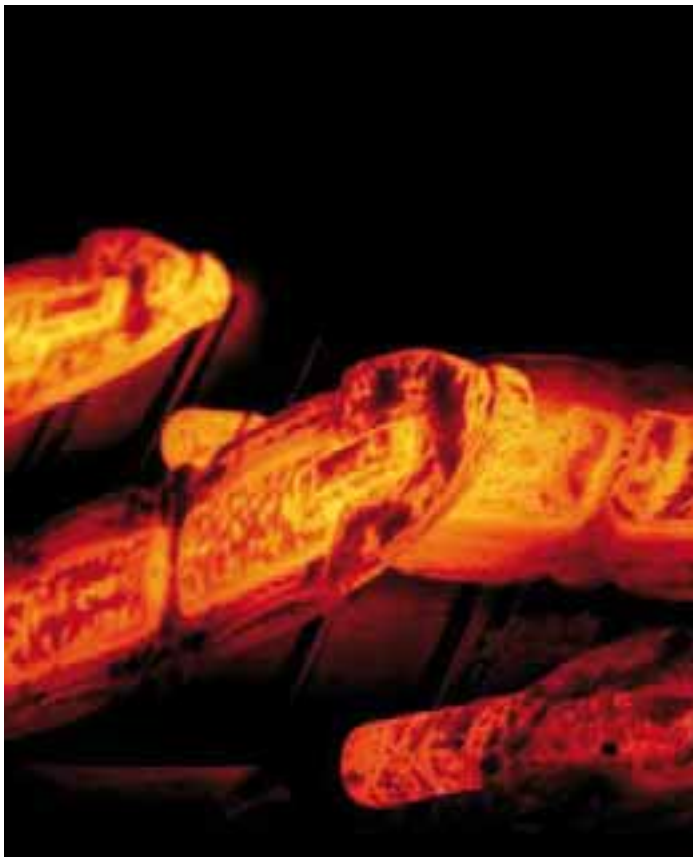


mm	L	a	b	d_1	d_2	26 D	kg	Code	No.
13	160	5.5	28.0	8.5	13.8	8	0.095	**6670050**	3114 13
14	160	5.5	28.0	8.5	13.8	8	0.093	**6670130**	3114 14
16	200	6.0	33.0	10.5	16.8	10	0.160	**6676920**	3114 16
17	200	6.0	33.0	10.5	16.8	10	0.169	**6670210**	3114 17
18	200	7.0	37.0	12.5	19.6	12	0.216	**6677060**	3114 18
19	200	7.0	37.0	12.5	19.6	12	0.224	**6670480**	3114 19
21	200	8.0	42.0	12.5	19.6	12	0.272	**6677140**	3114 21
22	200	8.0	42.0	12.5	19.6	12	0.265	**6670560**	3114 22
24	250	9.0	46.0	14.5	23.6	14	0.419	**6670640**	3114 24
27	250	10.0	52.0	14.5	23.6	14	0.519	**6670720**	3114 27
30	250	11.0	57.0	16.5	27.6	16	0.633	**6670800**	3114 30
32	250	11.8	61.0	16.5	27.6	16	0.712	**6670990**	3114 32
36	315	12.8	68.0	19.0	31.5	18	1.034	**6671020**	3114 36
41	315	14.0	76.0	19.0	31.0	18	1.197	**6671100**	3114 41
46	315	15.0	85.0	21.0	34.0	20	1.486	**6671290**	3114 46
50	315	15.0	92.0	21.0	34.0	20	1.674	**6671370**	3114 50

mm	L	a	b	d_1	d_2	26 D	kg	Code	No.
13	160	5.5	28.0	8.5	13.8	8	0.168	**6672180**	DS 3114 13
14	160	5.5	28.0	8.5	13.8	8	0.168	**6672260**	DS 3114 14
16	200	6.0	33.0	10.5	16.8	10	0.280	**6677220**	DS 3114 16
17	200	6.0	33.0	10.5	16.8	10	0.286	**6672340**	DS 3114 17
18	200	7.0	37.0	12.5	19.6	12	0.436	**6677300**	DS 3114 18
19	200	7.0	37.0	12.5	19.6	12	0.440	**6672420**	DS 3114 19
21	200	8.0	42.0	12.5	19.6	12	0.482	**6677490**	DS 3114 21
22	200	8.0	42.0	12.5	19.6	12	0.486	**6672500**	DS 3114 22
24	250	9.0	46.0	14.5	23.6	14	0.798	**6672690**	DS 3114 24
27	250	10.0	52.0	14.5	23.6	14	0.902	**6672770**	DS 3114 27
30	250	11.0	57.0	16.5	27.6	16	1.256	**6672850**	DS 3114 30
32	250	11.8	61.0	16.5	27.6	16	1.324	**6672930**	DS 3114 32
36	315	12.8	68.0	19.0	31.5	18	2.016	**6673070**	DS 3114 36
41	315	14.0	76.0	19.0	31.0	18	2.178	**6673150**	DS 3114 41
46	315	15.0	85.0	21.0	34.0	20	2.940	**6673230**	DS 3114 46
50	315	15.0	92.0	21.0	34.0	20	3.204	**6673310**	DS 3114 50

26 D 156

26 RS 626 S 157



534

COMBINATION SWIVEL HEAD WRENCH

- Slim pattern, with free moving socket wrench
- With hole for tommy bars 26 D and 26 RS (please order separately)
- GEDORE vanadium steel 31CrV3, chrome-plated, heads polished

mm	L	a	d	26 D	26 RS	kg	Code	No.
10	179	4.7	15.5	5	1	0.071	**6512060**	534 10
11	189	5.0	16.7	5	1	0.087	**6512140**	534 11
12	198	5.3	18.0	5	1	0.115	**6512220**	534 12
13	208	6.0	19.2	5	1	0.140	**6512300**	534 13
14	218	6.3	20.5	6	1	0.151	**6512490**	534 14
15	231	6.7	21.7	6	1	0.169	**6512570**	534 15
16	244	7.0	22.9	6	1	0.222	**6512650**	534 16
17	255	7.5	24.2	8	2	0.237	**6512730**	534 17
18	269	7.7	25.5	8	2	0.273	**6513030**	534 18
19	283	8.0	26.7	8	2	0.304	**6512810**	534 19

34 (MM)

SWIVEL HEAD WRENCH DOUBLE ENDED

- Thin walled heads, UD profile
- Swivels through a wide radius
- Shaft with holes for tommy bars 26 D and 26 RS (please order separately)
- GEDORE vanadium steel 31CrV3, heads polished, chrome-plated

mm

6 x 7

–

30 x 32

mm	L	d_1	d_2	26 D	26 RS	kg	Code	No.
6 x 7	190	10.2	11.5	6	1	0.089	**6301520**	34 6x7
8 x 9	200	13.0	14.2	6	1	0.098	**6299010**	34 8x9
10 x 11	205	15.5	16.7	6	1	0.110	**6299280**	34 10x11
12 x 13	240	18.0	19.2	8	2	0.204	**6299360**	34 12x13
13 x 15	245	19.2	21.7	8	2	0.225	**6299440**	34 13x15
13 x 17	275	19.2	24.2	10	2	0.318	**6299600**	34 13x17
14 x 15	245	20.5	21.7	8	2	0.216	**6299520**	34 14x15
14 x 17	280	20.5	24.2	10	2	0.329	**6299790**	34 14x17
16 x 17	280	22.9	24.2	10	2	0.334	**6299870**	34 16x17
16 x 18	282	22.9	24.2	10	2	0.334	**6300980**	34 16x18
17 x 19	315	24.2	26.7	12	3	0.411	**6299950**	34 17x19
18 x 19	315	25.5	26.7	12	3	0.418	**6300040**	34 18x19
18 x 21	345	25.5	29.2	12	3	0.582	**6301010**	34 18x21
20 x 22	350	28.0	30.5	12	3	0.604	**6300120**	34 20x22
21 x 23	350	29.2	31.7	12	3	0.633	**6300200**	34 21x23
24 x 27	410	33.0	36.7	14	3	0.913	**6300390**	34 24x27
30 x 32	470	40.5	43.0	14	3	1.361	**6300470**	34 30x32

34 (AF)

SWIVEL HEAD WRENCH DOUBLE ENDED

- Thin walled heads, UD profile
- Swivels through a wide radius
- Shaft with holes for tommy bars 26 D and 26 RS (please order separately)
- GEDORE vanadium steel 31CrV3, heads polished, chrome-plated

"AF	L	d_1	d_2	26 D	26 RS	kg	Code	No.
3/8 x 7/16	205	14.9	16.7	6	1	0.110	**6301600**	34 3/8x7/16AF
1/2 x 9/16	245	18.7	20.7	8	2	0.216	**6301790**	34 1/2x9/16AF
19/32 x 11/16	280	21.7	24.7	10	2	0.314	**6301870**	34 19/32x11/16AF
5/8 x 3/4	315	22.5	26.7	12	3	0.405	**6301950**	34 5/8x3/4AF
13/16 x 7/8	350	28.5	30.6	12	3	0.598	**6302090**	34 13/16x7/8AF
15/16 x 1	410	32.6	34.6	14	3	0.862	**6302170**	34 15/16x1AF

TX 34

SWIVEL HEAD WRENCH DOUBLE ENDED
for protruding TORX® head screws

- Thin walled heads
- Swivels through a wide radius
- Shaft with holes for tommy bars 26 D and 26 RS (please order separately)
- GEDORE vanadium steel 31CrV3, heads polished, chrome-plated
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

	M	mm	mm	d_1	d_2	26 D	26 RS	kg	Code	No.
E6xE8	M5 - M7	5,74 x 7,52	190	8.5	10.8	6	1	0.086	**6290570**	TX 34 E6xE8
E10xE12	M8 - M10	9,42 x 11,17	230	13.5	15.5	8	2	0.184	**6290650**	TX 34 E10xE12
E14xE18	M12 - M14	12,98 x 16,68	265	17.0	21.0	10	2	0.299	**6290730**	TX 34 E14xE18
E20xE24	M16 - M20	18,47 x 22,14	295	23.5	28.5	12	3	0.407	**6290810**	TX 34 E20xE24

1500 ES 101

1500 CT 107

ITX 34

SWIVEL HEAD WRENCH DOUBLE ENDED
for recessed TORX® head screws

- Shaft with holes for tommy bars 26 D and 26 RS (please order separately)
- Swivel through a wide radius
- Sockets in GEDORE chrome-molybdenum steel 42CrMo4, phosphated, shaft chrome-plated
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

	M	mm	mm	26 D	26 RS	kg	Code	No.
T15xT20	M3,5 - M5	3,27 x 3,86	205	6	1	0.093	**6290060**	ITX 34 T15xT20
T25xT27	M4,5 - M6	4,43 x 4,99	208	6	1	0.092	**6290140**	ITX 34 T25xT27
T30xT40	M6 - M8	5,52 x 6,65	210	6	1	0.099	**6290220**	ITX 34 T30xT40
T45xT50	M8 - M10	7,82 x 8,83	244	8	2	0.185	**6290300**	ITX 34 T45xT50
T55xT60	M12 - M14	11,22 x 13,25	280	10	2	0.304	**6290490**	ITX 34 T55xT60

IN 34 (MM)

SWIVEL HEAD WRENCH DOUBLE ENDED
for in-hex screws

- Shaft with holes for tommy bars 26 D and 26 RS (please order separately)
- Swivel through a wide radius
- Sockets in GEDORE chrome-molybdenum steel 42CrMo4, phosphated, shaft chrome-plated

mm	L	t_1	t_2	26 D	26 RS	kg	Code	No.
3 x 4	198	4.0	5	6	1	0.101	**6302250**	IN 34 3x4
5 x 6	202	5.0	6	6	1	0.107	**6302330**	IN 34 5x6
8 x 10	235	8.0	10	8	2	0.199	**6302410**	IN 34 8x10
12 x 14	270	10.0	12	10	2	0.336	**6302680**	IN 34 12x14
17 x 19	295	14.0	16	12	3	0.411	**6302760**	IN 34 17x19

IN 34 (AF)

SWIVEL HEAD WRENCH DOUBLE ENDED
for in-hex screws

- Shaft with holes for tommy bars 26 D and 26 RS (please order separately)
- Swivel through a wide radius
- Sockets in GEDORE chrome-molybdenum steel 42CrMo4, phosphated, shaft chrome-plated

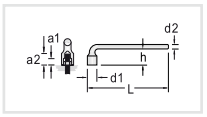
"AF	L	t_1	t_2	26 D	26 RS	kg	Code	No.
3/8 x 1/2	270	10.0	12	10	2	0.310	**6303140**	IN 34 3/8x1/2AF
9/16 x 5/8	295	14.0	16	12	3	0.402	**6303220**	IN 34 9/16x5/8AF

SOCKET WRENCHES

25

SOCKET WRENCH offset

- Solid pattern with extra deep socket for protruding bolts
- With dome for pointed screw heads
- Sizes 55 - 70 without dome (dimension a_2)
- GEDORE vanadium steel 31CrV3, chrome-plated



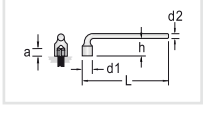
mm
10 – 70

mm	L	a_1	a_2	d_1	d_2	h	kg	Code	No.
10	160	9.6	16.5	15,0	10	32	0.120	**6188290**	25 10
13	200	12.7	23.0	19,0	12	41	0.220	**6188530**	25 13
14	215	13.7	24.0	20,5	12	44	0.247	**6188610**	25 14
16	240	11.0	25.5	23,5	14	49	0.346	**6196200**	25 16
17	250	12.0	26.0	25,0	14	49	0.373	**6188880**	25 17
18	265	13.5	27.5	26,0	16	56	0.487	**6196470**	25 18
19	280	15.4	29.0	27,5	16	56	0.539	**6188960**	25 19
21	305	15.5	32.5	30,5	18	64	0.722	**6196550**	25 21
22	315	16.4	32.5	32,0	18	64	0.797	**6189180**	25 22
24	345	19.5	37.1	34,5	20	71	1.055	**6189260**	25 24
27	380	21.4	37.5	38,5	20	74	1.179	**6189340**	25 27
30	420	22.3	41.3	42,0	22	84	1.536	**6189420**	25 30
32	450	26.5	43.2	45,0	22	87	0.633	**6189500**	25 32
36	500	27.3	47.1	50,0	26	97	2.523	**6189690**	25 36
41	560	30.3	49.7	56,0	26	106	2.940	**6189770**	25 41
46	630	33.4	56.5	62,0	28	114	3.785	**6189850**	25 46
50	630	35.9	61.5	67,0	32	128	4.900	**6189930**	25 50
55	670	38.0		74,0	34	120	5.685	**6190000**	25 55
60	670	40.0		81,0	34	125	5.770	**6190190**	25 60
65	750	42.8		88,0	40	130	8.930	**6190270**	25 65
70	750	46.0		94,0	40	135	9.200	**6190350**	25 70

25 V

SOCKET WRENCH offset

- Solid pattern with extra deep socket
- GEDORE vanadium steel 31CrV3, chrome-plated



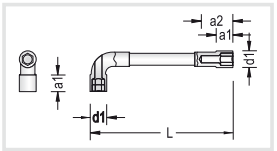
mm
8 – 17

mm	L	a	d_1	d_2	h	kg	Code	No.
8	150	11.0	15,0	10	32.0	0.116	**6194770**	25 V 8
9	160	11.0	16,5	10	35.0	0.126	**6194850**	25 V 9
10	175	12.0	19,0	12	37.5	0.203	**6194930**	25 V 10
12	215	14.5	22,0	14	44.0	0.335	**6195150**	25 V 12
13	230	20.5	23,5	14	47.0	0.357	**6195230**	25 V 13
14	240	21.5	25,0	14	49.0	0.378	**6195310**	25 V 14
17	280	26.5	30,0	18	62.0	0.718	**6195580**	25 V 17

25 PK

DOUBLE ENDED SOCKET WRENCH offset with hole

- Solid pattern with two hexagon heads
- Deep bores above the hexagon heads to take long studs
- Through-hole on the angled side to take a tommy bar (e.g. 26 D, please order separately)
- Chrome-plated



mm

6 – 36

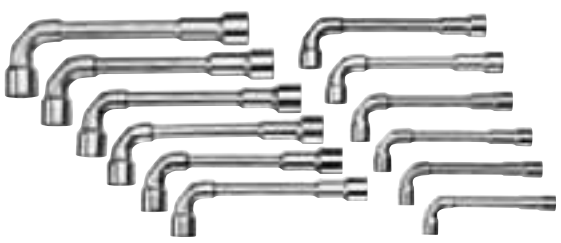
mm	L	a_1	a_2	d_1	26 D	kg	Code	No.
6	105	9	26.5	13,0	5	0.080	**1616323**	25 PK 6
7	107	9	26.5	14,0	5	0.081	**1616331**	25 PK 7
8	112	10	26.5	14,0	5	0.091	**1616358**	25 PK 8
9	120	10	26.5	14,0	5	0.099	**1436805**	25 PK 9
10	130	10	23.0	15,5	6	0.116	**1436813**	25 PK 10
11	136	10	23.0	16,5	6	0.122	**1436821**	25 PK 11
12	145	10	37.0	18,5	6	0.166	**1436848**	25 PK 12
13	152	11	35.0	20,0	8	0.192	**1436856**	25 PK 13
14	160	12	38.0	21,0	8	0.216	**1436864**	25 PK 14
15	170	13	38.0	22,5	8	0.239	**1616366**	25 PK 15
16	178	15	34.0	24,0	8	0.275	**1436872**	25 PK 16

mm	L	a_1	a_2	d_1	26 D	kg	Code	No.
17	187	15	35.0	25,5	8	0.305	**1436899**	25 PK 17
18	195	18	39.0	26,5	10	0.385	**1436902**	25 PK 18
19	205	17	38.0	28,0	12	0.440	**1436910**	25 PK 19
21	225	18	47.0	32,0	12	0.620	**1436929**	25 PK 21
22	225	18	47.0	32,0	12	0.632	**1436937**	25 PK 22
24	248	22	37.0	35,5	12	0.814	**1436945**	25 PK 24
27	280	26	60.0	38,0	16	1.088	**1436953**	25 PK 27
30	310	27	64.0	42,0	18	1.500	**1436961**	25 PK 30
32	330	30	63.0	45,0	20	1.475	**1436988**	25 PK 32
34	340	32	67.0	47,0	20	1.580	**1436996**	25 PK 34
36	355	33	74.0	50,0	20	2.052	**1437003**	25 PK 36

25 PK-012

DOUBLE ENDED SOCKET WRENCH SET

- Solid pattern with two hexagon heads
- Deep bores above the hexagon heads to take long studs
- Through-hole on the angled side to take a tommy bar
- Chrome-plated

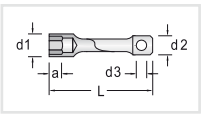


Contents	kg	Code	No.
8 9 10 11 12 13 14 15 16 17 18 19	2.578	**1527312**	25 PK-012

35 A - DS 35 A

SOCKET WRENCH solid, short pattern

- Solid pattern
- Acc. to DIN 3112, ISO 2236
- With extra deep hexagon heads and ball catch
- GEDORE vanadium steel 31CrV3, manganese-phosphated
- No. 35 A = Delivery without tommy bar
- No. DS 35 A = Delivery with tommy bar 35 D



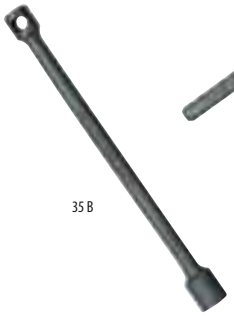
mm	L	a	d_1	d_2	d_3	35 D	kg	Code	No.
10	115	8.5	16,0	15	6.5	6	0.091	**6304380**	35 A 10
13	130	11.0	19,5	19	8.5	8	0.191	**6304620**	35 A 13
14	140	11.5	20,5	19	8.5	8	0.214	**6304700**	35 A 14
17	145	12.0	25,0	23	10.5	10	0.323	**6305000**	35 A 17
19	165	15.0	27,5	23	12.5	12	0.361	**6305270**	35 A 19
22	185	16.0	32,0	27	12.5	12	0.570	**6305510**	35 A 22
24	205	19.0	34,5	29	14.5	14	0.760	**6305860**	35 A 24
27	215	21.0	38,5	29	14.5	14	0.805	**6306160**	35 A 27
30	225	22.0	42,0	33	17.0	16	1.124	**6306320**	35 A 30
36	260	27.0	50,0	37	19.0	18	1.050	**6306670**	35 A 36
46	290	33.0	62,0	41	21.0	20	1.710	**6306830**	35 A 46

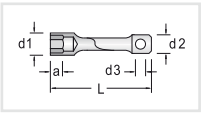
mm	L	a	d_1	d_2	d_3	35 D	kg	Code	No.
10	115	8.5	16,0	15	6.5	6	0.126	**6307480**	DS 35 A 10
13	130	11.0	19,5	19	8.5	8	0.259	**6307720**	DS 35 A 13
14	140	11.5	20,5	19	8.5	8	0.283	**6307800**	DS 35 A 14
17	145	12.0	25,0	23	10.5	10	0.445	**6308100**	DS 35 A 17
19	165	15.0	27,5	23	12.5	12	0.579	**6308370**	DS 35 A 19
22	185	16.0	32,0	27	12.5	12	0.788	**6308610**	DS 35 A 22
24	205	19.0	34,5	29	14.5	14	1.138	**6308960**	DS 35 A 24
27	215	21.0	38,5	29	14.5	14	1.183	**6309260**	DS 35 A 27
30	225	22.0	42,0	33	17.0	16	1.746	**6309420**	DS 35 A 30
36	260	27.0	50,0	37	19.0	18	2.036	**6309690**	DS 35 A 36
46	290	33.0	62,0	41	21.0	20	3.230	**6309850**	DS 35 A 46

35 B - DS 35 B

SOCKET WRENCH solid, long pattern

- Solid pattern
- Acc. to DIN 3112, ISO 2236
- With extra deep hexagon heads and ball catch
- GEDORE vanadium steel 31CrV3, manganese-phosphated
- No. 35 B = Delivery without tommy bar
- No. DS 35 B = Delivery with tommy bar 35 D





mm	L	a	d_1	d_2	d_3	35 D	kg	Code	No.
8	175	7.0	13,0	12	6.5	6	0.110	**6310270**	35 B 8
10	200	8.5	16,0	15	6.5	6	0.146	**6310430**	35 B 10
13	235	11.0	19,5	19	8.5	8	0.345	**6310860**	35 B 13
17	270	12.0	25,0	23	10.5	10	0.586	**6311240**	35 B 17
19	295	15.0	27,5	23	12.5	12	0.583	**6311400**	35 B 19
22	315	16.0	32,0	27	12.5	12	0.987	**6311750**	35 B 22
24	350	19.0	34,5	29	14.5	14	1.231	**6311910**	35 B 24
27	390	21.0	38,5	29	14.5	14	1.425	**6312210**	35 B 27
30	430	22.0	42,0	33	17.0	16	2.113	**6312640**	35 B 30
32	440	26.0	45,0	33	17.0	16	2.144	**6312720**	35 B 32
36	490	27.0	50,0	38	19.0	18	2.182	**6312800**	35 B 36

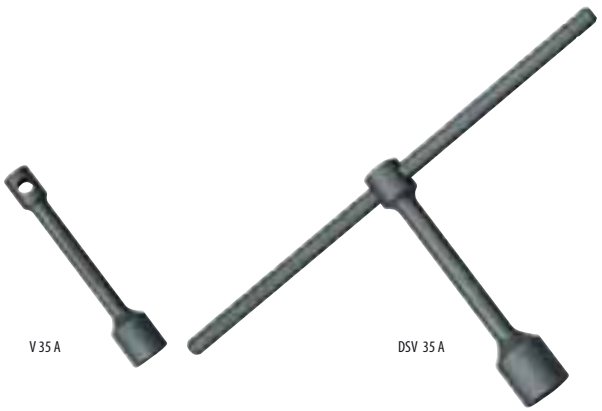
mm	L	a	d_1	d_2	d_3	35 D	kg	Code	No.
8	175	7.0	13,0	12	6.5	6	0.144	**6313290**	DS 35 B 8
10	200	8.5	16,0	15	6.5	6	0.179	**6313450**	DS 35 B 10
13	235	11.0	19,5	19	8.5	8	0.414	**6313880**	DS 35 B 13
17	270	12.0	25,0	23	10.5	10	0.707	**6314340**	DS 35 B 17
19	295	15.0	27,5	23	12.5	12	0.801	**6314500**	DS 35 B 19
22	315	16.0	32,0	27	12.5	12	1.205	**6314850**	DS 35 B 22
24	350	19.0	34,5	29	14.5	14	1.608	**6315070**	DS 35 B 24
27	390	21.0	38,5	29	14.5	14	1.803	**6315310**	DS 35 B 27
30	430	22.0	42,0	33	17.0	16	2.735	**6315740**	DS 35 B 30
32	440	26.0	45,0	33	17.0	16	2.765	**6315820**	DS 35 B 32
36	490	27.0	50,0	38	19.0	18	3.168	**6315900**	DS 35 B 36

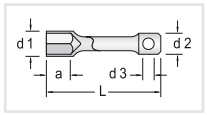
35 D 153

V 35 A - DSV 35 A

SOCKET WRENCH solid, short pattern

- Solid pattern
- With extra deep square heads and ball catch
- GEDORE vanadium steel 31CrV3, manganese-phosphated
- No. V 35 A = Delivery without tommy bar
- No. DSV 35 A = Delivery with tommy bar 35 D





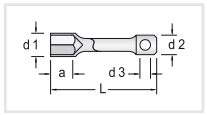
mm	L	a	d_1	d_2	d_3	35 D	kg	Code	No.
7	80	15	13,5	15	8.5	8	0.072	**6316390**	V 35 A 7
10	100	18	17,5	17	10.5	10	0.121	**6316630**	V 35 A 10
13	100	22	23,5	23	12.5	12	0.231	**6317010**	V 35 A 13
17	160	28	31,0	31	17.0	16	0.698	**6317520**	V 35 A 17
19	200	30	34,0	31	17.0	16	0.901	**6317790**	V 35 A 19
22	200	34	39,0	36	19.0	18	1.215	**6318090**	V 35 A 22

mm	L	a	d_1	d_2	d_3	35 D	kg	Code	No.	€
7	80	15	13,5	15	8,5	8	0,141	**6318840**	DSV 35 A 7	25,30
10	100	18	17,5	17	10,5	10	0,241	**6319140**	DSV 35 A 10	27,60
13	100	22	23,5	23	12,5	12	0,449	**6319490**	DSV 35 A 13	39,70
17	160	28	31,0	31	17,0	16	1,319	**6319810**	DSV 35 A 17	49,60
19	200	30	34,0	31	17,0	16	1,523	**6320150**	DSV 35 A 19	54,90
22	200	34	39,0	36	19,0	18	2,201	**6320580**	DSV 35 A 22	59,20

V 35 B - DSV 35 B

SOCKET WRENCH solid, long pattern

- Solid pattern
- With extra deep square heads and ball catch
- GEDORE vanadium steel 31CrV3, manganese-phosphated
- No. V 35 B = Delivery without tommy bar
- No. DSV 35 B = Delivery with tommy bar 35 D



mm	L	a	d_1	d_2	d_3	35 D	kg	Code	No.
6	160	12	11,5	12	6.5	6	0.105	**6321120**	V 35 B 6
7	160	15	13,5	15	8.5	8	0.145	**6321200**	V 35 B 7
8	160	15	14,0	15	8.5	8	0.143	**6321390**	V 35 B 8
9	200	18	16,0	17	10.5	10	0.239	**6321470**	V 35 B 9
10	200	18	17,5	17	10.5	10	0.246	**6321550**	V 35 B 10
12	200	20	22,0	21	12.5	12	0.386	**6321710**	V 35 B 12
13	200	22	23,5	23	12.5	12	0.477	**6321980**	V 35 B 13
14	200	24	26,0	25	14.5	14	0.555	**6322010**	V 35 B 14
17	250	28	31,0	31	17.0	16	0.116	**6322440**	V 35 B 17
19	320	30	34,0	31	17.0	16	1.565	**6322600**	V 35 B 19
22	320	34	39,0	36	19.0	18	2.072	**6322950**	V 35 B 22

mm	L	a	d_1	d_2	d_3	35 D	kg	Code	No.
6	160	12	11,5	12	6.5	6	0.139	**6323680**	DSV 35 B 6
7	160	15	13,5	15	8.5	8	0.214	**6323760**	DSV 35 B 7
8	160	15	14,0	15	8.5	8	0.212	**6323840**	DSV 35 B 8
9	200	18	16,0	17	10.5	10	0.359	**6323920**	DSV 35 B 9
10	200	18	17,5	17	10.5	10	0.367	**6324060**	DSV 35 B 10
12	200	20	22,0	21	12.5	12	0.603	**6324220**	DSV 35 B 12
13	200	22	23,5	23	12.5	12	0.695	**6324300**	DSV 35 B 13
14	200	24	26,0	25	14.5	14	0.933	**6324490**	DSV 35 B 14
17	250	28	31,0	31	17.0	16	1.737	**6324730**	DSV 35 B 17
19	320	30	34,0	31	17.0	16	2.186	**6325030**	DSV 35 B 19
22	320	34	39,0	36	19.0	18	3.057	**6325460**	DSV 35 B 22

35 D

TOMMY BAR for 35 and V 35

- Acc. to DIN 900 Form A
- With location grooves for socket wrenches
- Fully hardened, GEDORE vanadium steel 31CrV3, manganese-phosphated

Ø	mm	kg	Code	No.
6	160	0.034	**6326000**	35 D 6
8	180	0.069	**6326190**	35 D 8
10	200	0.121	**6326270**	35 D 10
12	250	0.218	**6326350**	35 D 12

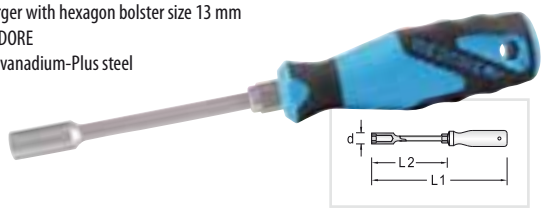
Ø	mm	kg	Code	No.
14	320	0.378	**6326430**	35 D 14
16	400	0.621	**6326510**	35 D 16
18	500	0.986	**6326780**	35 D 18
20	630	1.519	**6326860**	35 D 20

NUT DRIVERS WITH HANDLE

2133

NUT DRIVER WITH 3C-HANDLE

- Acc. to DIN 3125, ISO 2725-1
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Head depth 25 mm, blade length 125 mm
- Size 2.5 - 3.5 with stepped head Ø 5 mm
- 10 mm and larger with hexagon bolster size 13 mm
- Blade from GEDORE molybdenum-vanadium-Plus steel



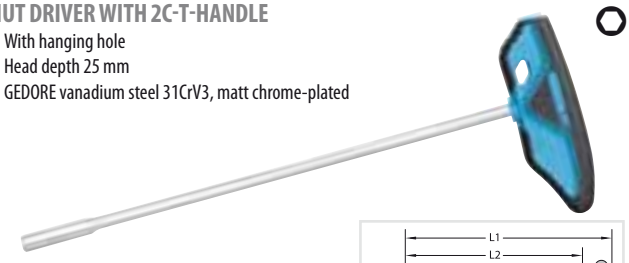
mm	L_1	L_2	d	Ø	mm	kg	Code	No.
5.0	225	125	8,0	5	–	0.097	**1746723**	2133 5
5.5	225	125	8,0	5	–	0.107	**1746731**	2133 5,5
6.0	225	125	9,0	5	–	0.109	**1746758**	2133 6
7.0	235	125	11,0	6	–	0.135	**1746766**	2133 7
8.0	235	125	12,0	6	–	0.152	**1746855**	2133 8
9.0	235	125	13,0	6	–	0.168	**1746863**	2133 9
10.0	245	125	14,0	6	10	0.198	**1746898**	2133 10
11.0	245	125	16,0	8	13	0.202	**1746901**	2133 11
12.0	245	125	17,0	8	13	0.221	**1746928**	2133 12
13.0	245	125	18,0	8	13	0.225	**1746944**	2133 13

VDE 2133 — 536

2133 T

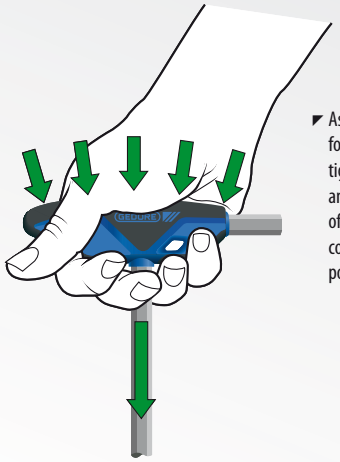
NUT DRIVER WITH 2C-T-HANDLE

- With hanging hole
- Head depth 25 mm
- GEDORE vanadium steel 31CrV3, matt chrome-plated



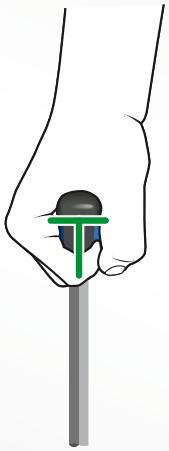
mm	L_1	L_2	d	kg	Code	No.
2.5	187	160	5.0	0.040	**2647559**	2133 T 2,5
3.0	187	160	5.5	0.040	**2647567**	2133 T 3
3.2	187	160	5.5	0.040	**2647575**	2133 T 3,2
3.5	222	195	6.0	0.040	**2647583**	2133 T 3,5
4.0	222	195	6.9	0.101	**2647591**	2133 T 4
4.5	222	195	7.0	0.101	**2647605**	2133 T 4,5
5.0	222	195	8.0	0.091	**2647613**	2133 T 5
5.5	222	195	8.0	0.101	**2647621**	2133 T 5,5
6.0	222	195	9.0	0.101	**2647648**	2133 T 6
7.0	222	195	11.0	0.101	**2647656**	2133 T 7
8.0	268	230	12.0	0.180	**2647664**	2133 T 8
9.0	268	230	13.0	0.180	**2647672**	2133 T 9
10.0	268	230	14.0	0.180	**2647680**	2133 T 10
11.0	268	230	16.0	0.200	**2647699**	2133 T 11
12.0	268	230	17.0	0.220	**2647702**	2133 T 12
13.0	268	230	18.0	0.240	**2647710**	2133 T 13
14.0	268	230	19.7	0.230	**2647729**	2133 T 14

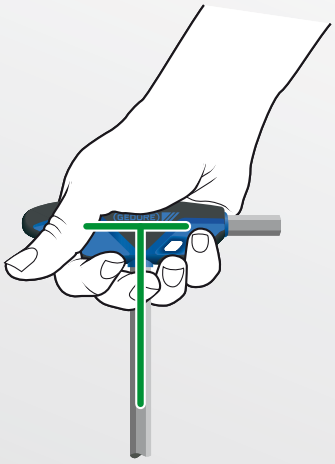
2C-T-HANDLE



- Asymmetrical 2-component wing handle for high torque level when loosening or tightening. The lengthened wing provides an optimum contact surface for the palm of one's hand. It thus easily transfers considerable forces in a relaxed hand's position.

- With T-shaped cross-section: broad at the top and slender below. In this way one's hand takes on a firm grip leading to vigorous working over an extended period without any fatigue.



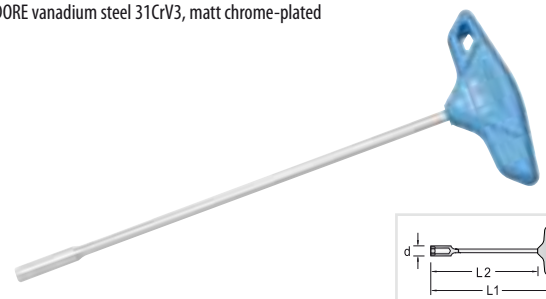


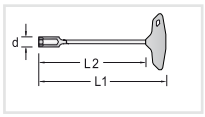
- Soft zones where sensitive hand zones grip e.g. finger tips. Hard zones where robust hand zones grip.
- Hard component made of fibre-glass reinforced plastic with special-purpose glass fibres. The benefits of short glass fibres (rigidity and firmness) are combined with that of long glass fibres (impact strength).
- Soft component made of thermoplastic elastomer
- The concave form ensures exact hand centering and stops any blade tilting.
- With hanging hole

33 T

NUT DRIVER WITH T-HANDLE

- With hanging hole
- Head depth 25 mm
- GEDORE vanadium steel 31CrV3, matt chrome-plated



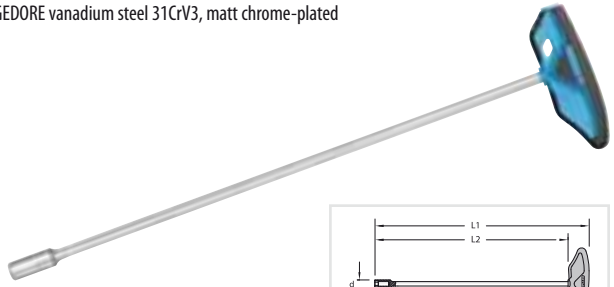


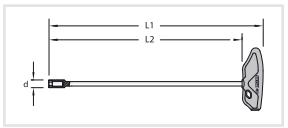
mm	L_1	L_2	d	kg	Code	No.
5.5	227.5	195	8.0	0.092	**6353320**	33 T 5,5
6.0	227.5	195	9.0	0.097	**6357580**	33 T 6
7.0	227.5	195	11.0	0.089	**6357660**	33 T 7
8.0	269.0	230	12.0	0.146	**6357740**	33 T 8
9.0	269.0	230	13.0	0.165	**6357820**	33 T 9
10.0	269.0	230	14.0	0.156	**6357900**	33 T 10
11.0	269.0	230	16.0	0.176	**6353400**	33 T 11
12.0	269.0	230	17.0	0.201	**6353590**	33 T 12
13.0	269.0	230	18.0	0.195	**6358040**	33 T 13
14.0	269.0	230	19.7	0.214	**6366060**	33 T 14

2133 TLM

NUT DRIVER WITH 2C-T-HANDLE with magnet, long pattern

- With hanging hole
- Head depth 25 mm
- GEDORE vanadium steel 31CrV3, matt chrome-plated



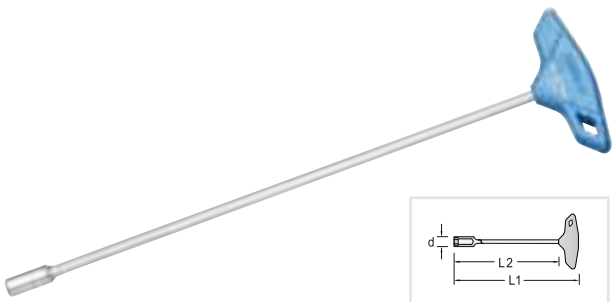


mm	L_1	L_2	d	kg	Code	No.
8	388	350	12	0.221	**2335484**	2133 TLM 8
10	388	350	14	0.220	**2337347**	2133 TLM 10
13	388	350	18	0.280	**2337355**	2133 TLM 13

33 TLM

NUT DRIVER WITH T-HANDLE with magnet, long pattern

- With hanging hole
- Head depth 25 mm
- GEDORE vanadium steel 31CrV3, matt chrome-plated

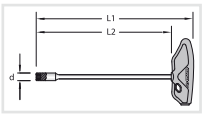


mm	L_1	L_2	d	kg	Code	No.
8	389	350	12	0.188	**6352190**	33 TLM 8
10	389	350	14	0.262	**6353160**	33 TLM 10
13	389	350	18	0.271	**6353240**	33 TLM 13

TX 2133 T

NUT DRIVER WITH 2C-T-HANDLE for protruding TORX® head screws

- From E4 to E10
- With hanging hole
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

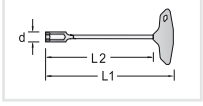


	M	mm	L_1	L_2	d	kg	Code	No.
E4	M3	3,86 x 2,88	187	160	7	0.131	**2494639**	TX 2133 T E4
E5	M4	4,73 x 3,46	187	160	7	0.121	**2494760**	TX 2133 T E5
E6	M5	5,74 x 4,11	233	195	8	0.120	**2495449**	TX 2133 T E6
E7	M6	6,16 x 4,55	233	195	10	0.160	**2495457**	TX 2133 T E7
E8	M6 - M7	7,52 x 5,4	233	195	11	0.160	**2495805**	TX 2133 T E8
E10	M8	9,42 x 6,92	268	230	13	0.180	**2498588**	TX 2133 T E10

TX 33 T

NUT DRIVER WITH T-HANDLE for protruding TORX® head screws

- From E4 to E10
- Ergonomically designed blue handle, non-slip grained surface, for higher torques
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



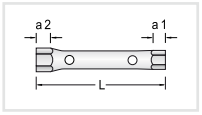
	M	mm	L_1	L_2	d	kg	Code	No.
E5	M4	4,73 x 3,46	192.5	160	7	0.079	**1394967**	TX 33 T E5
E6	M5	5,74 x 4,11	234.0	195	8	0.081	**1394975**	TX 33 T E6
E7	M6	6,16 x 4,55	234.0	195	10	0.103	**1394983**	TX 33 T E7
E8	M6 - M7	7,52 x 5,4	234.0	195	11	0.105	**1395009**	TX 33 T E8
E10	M8	9,42 x 6,92	269.0	230	13	0.175	**1395017**	TX 33 T E10

TUBULAR BOX SPANNERS

26 R

TUBULAR BOX SPANNER

- Acc. to DIN 896 Form B, ISO 2236, ISO 1085
- Hollow shaft, in tubular steel, DIN 2391 seamless, hardened, made from material C35, chrome-plated
- With hole for tommy bars 26 D and 26 RS (please order separately)
- * not standardised



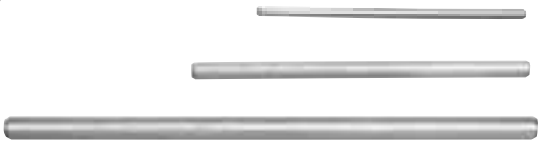
mm	*	L	a_1	a_2	26 D	26 RS	kg	Code	No.
5,5 x 7	*	105	5.0	6.0	5	1	0.036	**6222810**	26 R 5,5x7
6 x 7		105	5.0	6.0	5	1	0.035	**6210050**	26 R 6x7
8 x 9		105	6.0	7.0	6	1	0.041	**6210210**	26 R 8x9
8 x 10		120	6.0	7.5	6	1	0.049	**6210480**	26 R 8x10
9 x 10	*	120	7.0	7.5	6	1	0.050	**6210560**	26 R 9x10
10 x 11		120	7.5	8.0	6	1	0.055	**6210640**	26 R 10x11
10 x 13		140	7.5	9.5	8	2	0.072	**6210720**	26 R 10x13
11 x 13		140	8.0	9.5	8	2	0.074	**6210800**	26 R 11x13
12 x 13		140	9.0	9.5	8	2	0.073	**6210990**	26 R 12x13
12 x 14		140	9.0	10.0	8	2	0.083	**6211020**	26 R 12x14
13 x 14	*	140	9.5	10.0	8	2	0.083	**6211100**	26 R 13x14
13 x 15	*	140	9.5	11.0	8	2	0.089	**6211290**	26 R 13x15
14 x 15		140	10.0	11.0	8	2	0.088	**6211370**	26 R 14x15
13 x 17		150	9.5	12.0	10	2	0.139	**6211450**	26 R 13x17
14 x 17		150	10.0	12.0	10	2	0.140	**6211530**	26 R 14x17
16 x 17		150	11.0	12.0	10	2	0.139	**6211610**	26 R 16x17
16 x 18		150	11.0	13.0	10	2	0.152	**6223030**	26 R 16x18
17 x 19		155	12.0	15.0	12	3	0.161	**6211880**	26 R 17x19

mm	*	L	a_1	a_2	26 D	26 RS	kg	Code	No.
18 x 19		155	13.0	15.0	12	3	0.161	**6211960**	26 R 18x19
19 x 22		165	15.0	16.0	12	3	0.261	**6212180**	26 R 19x22
20 x 22		165	15.0	16.0	12	3	0.264	**6212260**	26 R 20x22
21 x 23		165	15.0	17.0	14	3	0.291	**6212340**	26 R 21x23
22 x 24		180	16.0	19.0	14	3	0.291	**6212420**	26 R 22x24
24 x 26		180	19.0	21.0	14	3	0.314	**6212500**	26 R 24x26
24 x 27		180	19.0	21.0	14	3	0.319	**6212690**	26 R 24x27
25 x 28		195	19.0	21.0	16	3	0.365	**6212770**	26 R 25x28
27 x 30		195	21.0	22.0	16	3	0.386	**6212850**	26 R 27x30
27 x 32		195	21.0	26.0	16	3	0.415	**6212930**	26 R 27x32
30 x 32		195	22.0	26.0	16	3	0.409	**6213070**	26 R 30x32
30 x 36		215	22.0	27.0	18	-	0.528	**6213150**	26 R 30x36
32 x 36		215	26.0	27.0	18	-	0.535	**6213230**	26 R 32x36
36 x 41		215	27.0	30.0	18	-	0.678	**6213310**	26 R 36x41
41 x 46		235	30.0	33.0	20	-	0.823	**6213580**	26 R 41x46
46 x 50		235	33.0	35.0	20	-	0.869	**6213660**	26 R 46x50
50 x 55		235	35.0	38.0	20	-	1.126	**6213740**	26 R 50x55

26 D

TOMMY BAR

- Acc. to DIN 900 Form A
- GEDORE vanadium steel 31CrV3, chrome-plated up to 20 mm Ø, manganese-phosphated up from 25 mm Ø, fully hardened



Ø	⟷ mm ⟷	kg	Code	No.
5	122	0.021	**6208310**	26 D 5
6	157	0.040	**6208580**	26 D 6
8	177	0.073	**6208740**	26 D 8
10	197	0.127	**6208820**	26 D 10
12	246	0.228	**6208900**	26 D 12

Ø	⟷ mm ⟷	kg	Code	No.
14	316	0.386	**6209040**	26 D 14
16	396	0.634	**6209120**	26 D 16
18	495	0.995	**6209200**	26 D 18
20	625	1.555	**6209390**	26 D 20

KD 26 R

TUBULAR BOX SPANNER SET with tommy bars

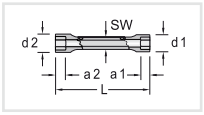
- Hollow shaft, in tubular steel, DIN 2391 seamless, hardened, made from material C35, chrome-plated

pieces	Contents		kg	Code	No.
8	26 R 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22	26 RS 1 2 3	1.564	**6218540**	KD 26 R-8
12	26 R 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32	26 RS 1 2 3	2.895	**6218890**	KD 26 R-120

626

TUBULAR BOX SPANNER heavy-duty pattern

- Similar to DIN 896, Form A, ISO 2236, ISO 1085
- With hexagon shaft and holes for turning, either with a spanner or a tommy bar (626 S / 26 RS-626 S, see table, please order separately)
- Sizes 6x7 and 8x9 mm with no hole
- GEDORE vanadium steel 31CrV3, chrome-plated, polished heads



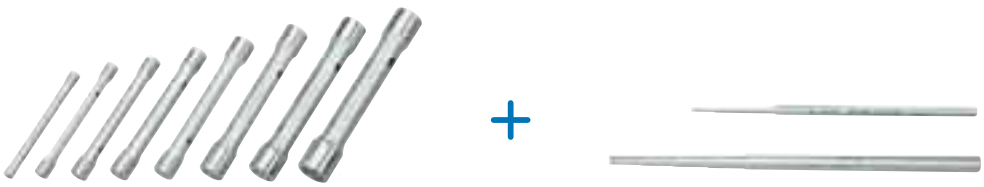
mm	L	a_1	a_2	d_1	d_2	mm	26 RS-626 S	kg	Code	No.
6 x 7	105	6.0	7.0	9.5	10.5	8	626 S 1	0.037	**6525120**	626 6x7
8 x 9	110	7.0	8.0	12.0	13.0	9	626 S 1	0.052	**6525200**	626 8x9
10 x 11	120	9.0	9.5	14.5	16.0	11	626 S 1	0.072	**6525390**	626 10x11
12 x 13	140	10.5	11.0	17.0	18.5	13	626 S 1	0.117	**6525470**	626 12x13
13 x 17	155	11.0	14.0	18.5	23.0	15	626 S 2	0.160	**6520750**	626 13x17
14 x 15	145	11.5	13.0	19.5	21.0	14	626 S 1	0.145	**6525710**	626 14x15
16 x 17	155	13.0	14.0	22.0	23.0	16	626 S 2	0.189	**6526280**	626 16x17
17 x 19	165	14.0	17.5	23.0	26.0	18	626 S 2	0.233	**6526360**	626 17x19

mm	L	a_1	a_2	d_1	d_2	mm	26 RS-626 S	kg	Code	No.
18 x 19	165	15.0	17.5	24.5	26.0	18	626 S 2	0.242	**6526440**	626 18x19
19 x 22	175	17.5	18.5	26.0	30.0	19	626 S 2	0.288	**6526520**	626 19x22
20 x 22	175	17.5	18.5	27.5	30.0	19	626 S 2	0.306	**6526600**	626 20x22
24 x 26	195	21.5	23.5	32.5	34.5	24	26 RS-626 S-3	0.452	**6526870**	626 24x26
24 x 27	195	21.5	23.5	32.5	36.0	24	26 RS-626 S-3	0.493	**6526950**	626 24x27
30 x 32	210	25.0	29.0	39.5	42.5	30	26 RS-626 S-3	0.725	**6527170**	626 30x32
32 x 36	225	29.0	30.5	42.5	48.0	32	26 RS-626 S-3	0.898	**6527250**	626 32x36

KD 626

TUBULAR BOX SPANNER SET with tommy bars

- Similar to DIN 896, Form A, ISO 2236, ISO 1085
- With hexagon shaft and holes for turning, either with a spanner or a tommy bar (626 S / 26 RS-626 S)
- Sizes 6x7 and 8x9 with no hole
- GEDORE vanadium steel 31CrV3, chrome-plated, polished heads



pieces	Contents			kg	Code	No.
8	626 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22	626 S 1 2		1.434	**6528730**	KD 626-8
10	626 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 24x27 30x32	626 S 1 2	26 RS-626 S-3	3.080	**2803550**	KD 626-10

26 RS

STEPPED TOMMY BAR

- GEDORE vanadium steel 31CrV3, chrome-plated, fully hardened

Ø	$Ø_2$	$Ø_3$	mm	kg	Code	No.
5,0	6,0		190	0.045	**6219350**	26 RS 1
8,0	10,0		240	0.149	**6219430**	26 RS 2
11,7	13,7	16.0	310	0.492	**6528220**	26 RS-626 S-3

626 S

STEPPED TOMMY BAR

- GEDORE vanadium steel 31CrV3, chrome-plated, fully hardened

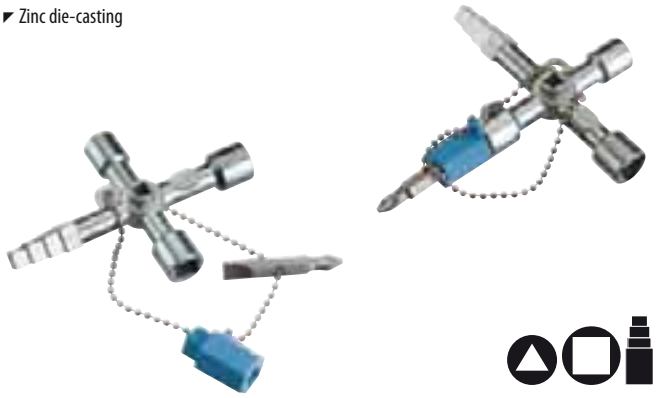
$Ø_1$	$Ø_2$	$Ø_3$	$Ø_4$	$Ø_5$	mm	kg	Code	No.
3,7	4,7	5.2	7.0		190	0.050	**6528060**	626 S 1
6,7	7,7	8.7	9.7	11.0	240	0.159	**6528140**	626 S 2
11,7	13,7	16.0			310	0.492	**6528220**	26 RS-626 S-3

MULTI FITTING KEYS

45 P

PROFI-KEY UNIVERSAL

- Key for opening and closing of technical shut-off systems e.g. air-conditioning, revision systems
- For the outdoor areas - locking of bins or waste containers, and street lamp lids etc.
- With bit insert: slotted head 1.0 x 7 mm and cross-slotted head PH 2 with adapter for 1/4" bits on securing chain
- 5 mm square for radiator valves
- Stepped key with 6, 7, 8, 9 mm square
- Female square 5, 6, 7-8 mm
- Female three-square 9 mm
- Dimensions: 90 x 62 mm
- Zinc die-casting



Measurements	kg	Code	No.
90 x 62	0.080	**2190117**	45 P

45 U

MULTI FITTING KEY UNIVERSAL

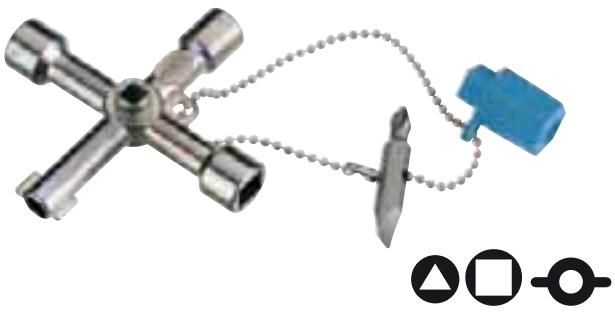
- For all usual technical shut-off systems
- 1 tool for 9 applications
- 8 different master cabinet shut-off systems and 5 mm square for radiator valves
- Flat construction due to space-saving swivel mechanism
- Square locking: 5, 6, 7-8, 9-10 mm
- Three-edged locking: 7, 8-9, 10-11 mm
- Two-way-key 3-5 mm and half-moon locking 6 mm
- Securing chain with snap-hook
- Dimensions: 95 x 95 mm
- Zinc die-casting

Measurements	kg	Code	No.
95 x 95	0.204	**2294826**	45 U

45 S

MULTI FITTING MASTER KEY UNIT

- Key for opening and closing of master cabinets, switch panels, technical shut-off systems e.g. air-conditioning, revision systems
- For the outdoor areas - locking of bins or waste containers, and street lamp lids etc.
- Supplied with bit insert: slotted head 1.0 x 7 mm and cross-slotted head PH 2 with adapter for 1/4" bits on securing chain
- 5 mm square for radiator valves
- Female square 5, 6, 7-8 mm
- Female three-square 9 mm
- Two-way-key 3-5 mm
- Dimensions: 72 x 72 mm
- Zinc die-casting



Measurements	kg	Code	No.
72 x 72	0.080	**2190125**	45 S

45 E

MULTI FITTING KEY ELECTRO

- For all usual electric master cabinets
- Space-saving, double swivel mechanism
- 5 mm square for radiator valves
- Female square 5, 6, 7-8 mm
- Female three-square 9 mm
- Two-way-key 3 - 5 mm
- Magnetic bit adaptor 1/4", supplied with one bit PH 2
- Screwdriver function with retaining clip

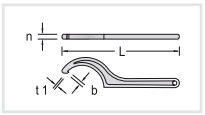
⟷ mm ⟷	kg	Code	No.
145	0.120	**2294796**	45 E

HOOK SPANNERS

40

HOOK WRENCH with lug

- Acc. to DIN 1810, Form A
- For slotted round nuts according to DIN 981
- GEDORE vanadium steel 31CrV3, manganese-phosphated

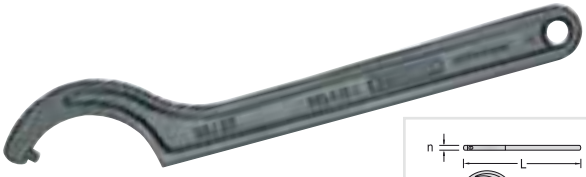


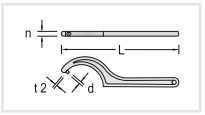
mm	L	b	n	t_1	kg	Code	No.
16-20	110	2.0	3.8	1.5	0.026	**6333990**	40 16-20
25-28	135	2.5	4.5	2.0	0.038	**6334020**	40 25-28
30-32	135	2.5	4.5	2.0	0.043	**6334100**	40 30-32
34-36	170	3.0	5.5	2.5	0.071	**6334290**	40 34-36
40-42	170	3.0	5.5	2.5	0.078	**6334370**	40 40-42
45-50	205	3.5	6.5	3.0	0.133	**6334450**	40 45-50
52-55	205	3.5	6.5	3.0	0.130	**6334530**	40 52-55
58-62	240	4.0	7.5	3.5	0.196	**6334610**	40 58-62
68-75	240	4.0	7.5	3.5	0.208	**6334880**	40 68-75
80-90	280	5.0	8.5	4.0	0.282	**6334960**	40 80-90
95-100	280	5.0	8.5	4.0	0.275	**6335180**	40 95-100
110-115	335	5.0	10.3	4.0	0.491	**6335260**	40 110-115
120-130	335	5.0	10.3	4.0	0.493	**6335340**	40 120-130
135-145	385	6.0	12.3	5.0	0.841	**6335420**	40 135-145
155-165	385	6.0	12.3	5.0	0.820	**6335500**	40 155-165
180-195	465	6.0	14.3	5.0	1.445	**6335690**	40 180-195
205-220	465	6.0	14.3	5.0	1.448	**6335770**	40 205-220

40 Z

HOOK WRENCH with pin

- Acc. to DIN 1810, Form B
- For cross-drilled nuts according to DIN 1816
- GEDORE vanadium steel 31CrV3, manganese-phosphated



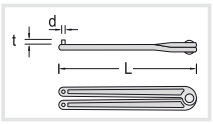


mm	L	d	n	t_2	kg	Code	No.
16-18	110	2.5	3.8	2.5	0.014	**6335850**	40 Z 16-18
20-22	110	2.5	3.8	2.5	0.014	**6335930**	40 Z 20-22
25-28	135	3.0	4.5	3.0	0.039	**6336580**	40 Z 25-28
30-32	135	4.0	4.5	3.0	0.045	**6336660**	40 Z 30-32
34-36	170	4.0	5.5	3.5	0.080	**6336740**	40 Z 34-36
40-42	170	4.0	5.5	3.5	0.079	**6336820**	40 Z 40-42
45-50	205	5.0	6.5	4.0	0.136	**6336900**	40 Z 45-50
52-55	205	5.0	6.5	4.0	0.129	**6337040**	40 Z 52-55
58-62	240	5.0	7.5	5.0	0.198	**6337120**	40 Z 58-62
68-75	240	6.0	7.5	5.0	0.198	**6337200**	40 Z 68-75
80-90	280	6.0	8.5	6.0	0.281	**6337390**	40 Z 80-90
95-100	280	8.0	8.5	6.0	0.276	**6337470**	40 Z 95-100
110-115	335	8.0	10.3	8.0	0.494	**6337550**	40 Z 110-115
120-130	335	8.0	10.3	8.0	0.492	**6337630**	40 Z 120-130
135-145	385	8.0	12.3	8.0	0.829	**6337710**	40 Z 135-145
155-165	385	8.0	12.3	8.0	0.841	**6337980**	40 Z 155-165
180-195	465	10.0	14.3	8.0	1.420	**6338010**	40 Z 180-195
205-220	465	10.0	14.3	8.0	1.402	**6338280**	40 Z 205-220

44

CALIPER FACE SPANNER adjustable

- Similar to DIN 3116
- Special sizes on request
- GEDORE vanadium steel 31CrV3, manganese-phosphated



∅ mm	L	L"	d	t	kg	Code	No.
3	178	7	2.9	4	0.148	**6354480**	44 3
4	178	7	3.8	5	0.151	**6354560**	44 4
5	230	9	4.8	6	0.259	**6354640**	44 5
6	230	9	5.8	7	0.260	**6354720**	44 6
8	230	9	7.8	8	0.265	**6354990**	44 8

PRACTICAL HELPERS

639

COMBINATION HOLDING TOOL

- Small helper to hold nuts and washers in barely accessible places
- For thread sizes from M3 to M8
- Delivery without tools and accessories

L	W	H	kg	Code	No.
110	19.2	9.7	0.016	**1640852**	639

636

PLUS-FORM HANDLE

- Push-on handle for spanners
- Designed for use with no. 4, 6, 7, 894, 895 sizes 13 - 22 mm
- Where high hand force is needed to turn the spanner, the ergonomic Plus-Form handle distributes the force evenly over the hand
- This avoids painful pressure points in the palm
- The special design of the holder and counter-holder safely secures the spanner in the handle
- Ideal for removing tight bolts
- The Plus-form handle extends short spanners, increasing the applied force!
- Practical hanging hole
- Made from scratch-proof, sky-blue powder-coated sheet steel
- Patent applied
- Delivery without tools

kg	Code	No.
0.100	**1999079**	636

637

RETAINING CLIP FOR NUTS

- With magnetic holder
- Suitable for open ended and flat ring spanners size 10-19 mm
- Delivery without tools and accessories

kg	Code	No.
0.006	**1834150**	637

Technical Symbols

- Weight (total)
- Length (total)
- Length (total)
- Length of blade
- Length of point / blade
- Diameter (also dia. of head, of shaft, of points)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Screw dimension (type of thread)
- Ratchet used
- Ratchet used
- Ratchet used
- Ratchet used
- Ratchet used
- Square drive (external)
- Square drive (internal)
- Hexagon drive (external)
- Hexagon drive (internal)
- Drive sections
- Slotted
- Cross-slotted PH
- Cruciform PZ
- Internal square
- Hexagon internal
- External hexagon
- Bi-hexagon external
- Unit Drive hexagon
- Unit Drive bi-hexagon
- Unit Drive
- Bi-hexagon
- Internal-TORX®
- Internal TORX® with pilot
- External TORX®
- TORQ-SET®
- Tri-Wing®
- Internal serrations XZN
- Multi-spline RIBE®
- Jaw width / tape width
- Blade / Cutting edge width
- Blade thickness
- magnetic
- Pivoting angle
- Head height
- Friction ratchet
- Sliding T bar
- Extension
- Universal joint
- Driving handle
- Adaptor
- Handle
- Head
- new
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Ratchets - Sockets - Accessories

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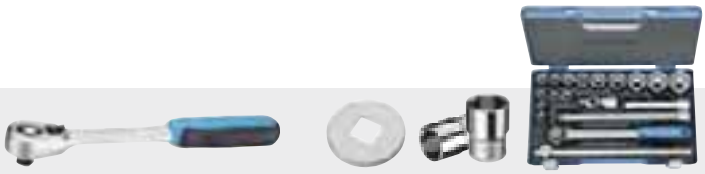
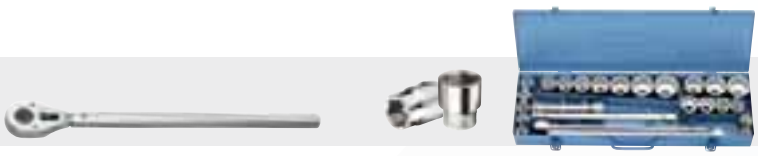
10 (3/8") Square drive 183 - 196

12.5 (1/2") Square drive  197 - 218

20 (3/4") Square drive  219 - 224

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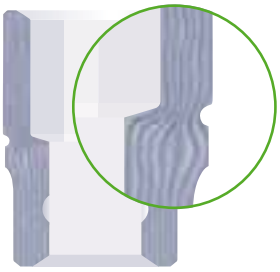
Bit Range 246 - 251

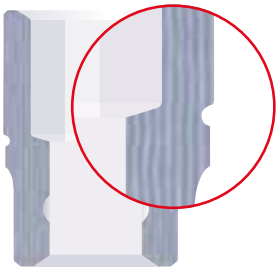
GEDORE
"Powerful ratchets and sturdy sockets"
powerful reliable durable

A huge variety of types

- Intelligently designed **ratchets** meet every demand placed and more besides.
- Sturdy, fine-toothed, durable and extremely resilient
- Top-grade industrial quality for the hardest of continuous uses
- Unrivalled diversity of hot-forged **sockets**, metric, inch, TORX®, multi-tooth, internal hexagon or slot and cruciform
- Screw head protecting profiles (UD bi-hexagonal and hexagonal)



hot forged
- Fibers are not interrupted



cold forged
- Fibers are bent and thus not as stable

Quality from A - Z...

- Use of the best-possible raw materials, most up-to-date machinery and environmentally-friendly production processes
- Our tool specialists vouch for exactness in processing and continuous refinements
- Unique manufacturing processes and special tool treatment bring about the best in results
- Stringent quality checks after each production step ensure a constantly high level

Maximum quality socket sets...

- Innovative, functional design
- Are blue-hammer finished and from GEDORE
- Maximum resilience of the sockets and robustness of the drive parts have turned "GEDORE sockets sets" into a household name internationally
- A name known on the tool market for many years now
- The sturdy and secure way to keep and carry your tools

From precision mechanics to heavy industry...

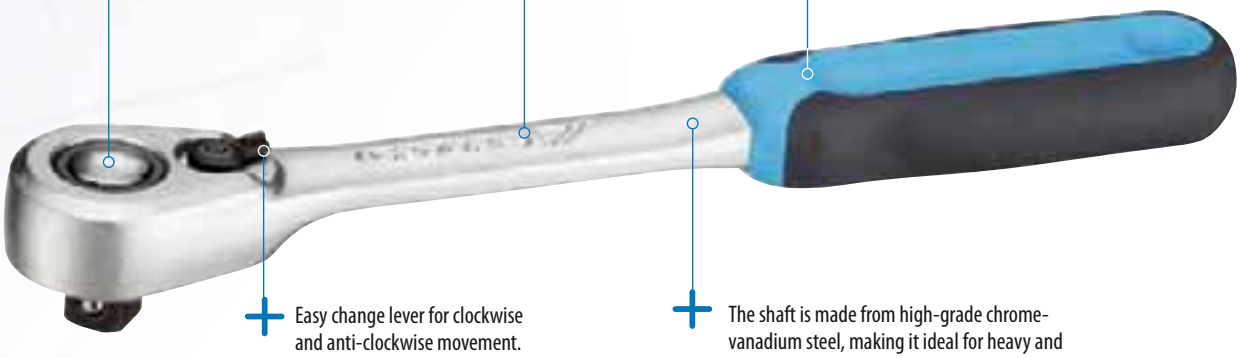
- GEDORE operating tools and accessories for professional tool use in each and every industry
- For heavy continuous use and safety in everyday work
- Available individually or in practical set compilations, in the module or in sets
- Customised manufacturing on request

GEDORE INDIVIDUAL MOD FORGE

U-20 Ratchets

Design-oriented premium ratchets

6,3 1/4"
10 3/8"
12,5 1/2"



The release head simplifies attachment and removal of sockets. A ball locking device ensures a tight connection when the ratchet is in use.

Slim, ergonomic design

2-component handle, comprising a hard plastic core with rubber sheathing for heavy industrial use. Hanging hole for easy-to-find storage.

Easy change lever for clockwise and anti-clockwise movement.

The shaft is made from high-grade chrome-vanadium steel, making it ideal for heavy and constant use.

Manufacturing process

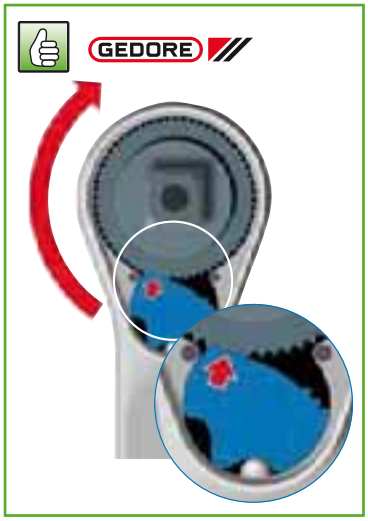
Front

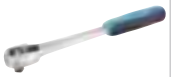
Rear

Ratchets

The properties of our hot-forged spanners also apply to our hot-forged ratchets.

A special feature of GEDORE ratchets is their mechanism, in which the pawl does not fully engage in the ratchet until full loading is reached. This process is invisible to the naked eye. The movement of the mechanism is in the infinitesimal range, amounting to just a few hundredths of a millimetre. The perfect centred running of the ratchet under load achieved by this design is a significant quality and safety feature of our ratchets. There is no unnecessary stressing of the individual elements when the ratchet is turning with no load, and no possibility of the mechanism tilting under load. This ensures fault-free under-load operation for the life of the ratchet. The design also has a positive effect on working safety. Tooth jumping, that would lead to jerky movement, is completely eliminated, minimizing the risk of accidents. This applies equally to GEDORE lever-activated ratchets U-20 and all other GEDORE ratchets.



	Type of ratchet / Drive	6,3 1/4"	10 3/8"	12,5 1/2"	Mode of operation		20 3/4"	25 1"		
Reversible ratchets							**Reversible ratchets (X)XL**			
	Reversible ratchet for short sockets			1993 U-20 SK 6°	U-20					
	Reversible ratchet with push-button release and lever change	2093 U-20 9°	3093 U-20 6°	1993 U-20 6°	U-20					
	Reversible ratchet offset with push-button release and lever change			1993 U-20 G 6°	U-20					
	Reversible ratchet with control lever with centre locking	2093 U-10 15°	3093 U-10 11,25°		U-10		3293 U-10 11,25°	2193 U-10 11,25°	**Reversible ratchet** with control lever	
	Reversible ratchet with push-button release and lever change with centre locking			1993 U-10 T 7,5°	U-10					
	Reversible ratchet with push-button release and lever change with centre locking			1993 U-10 L 7,5°	U-10					
	**Aluminium reversible ratchet** with push-button release and lever change with centre locking		3093 ALU-10 11,25°	1993 ALU-10 7,5°	U-10					
	Reversible ratchet with metal disc change	2093 U-3 5°	3093 U-3 5°	1993 U-3 5°	U-3		3293 U-3 5°	2193 U-3 5°	**Reversible ratchet** with metal disc change	
					U-2		3293 U-2 7,2°		**Reversible ratchet** with metal disc change	
	Swivel-head reversible ratchet with metal disc change		3093 GU-3 5°	1993 GU-3 7,5°	U-3					
	Swivel-head reversible ratchet with lever change and push-button release			1993 GU-10XL 7,5°						
	Ratchet handle with square coupler	2093 Z-94 18°	3093 Z-94 10°	1993 Z-94 15°	Z-94		3293 Z-94 10°	2193 Z-94 9°		
Special ratchets										
	Reversible ratchet Hi-Lok® for Hi-Lok® bolts in the aerospace industry		2093 U-10 HL 15°	3093 U-10 HL 11,25°	U-10					
	Bit reversible ratchet	671 15°	871 15°		U-20					
Exclusive GEDORE ratchets										
	Friction-type ratchet			31 KR 31 KVR 29, 31 K 41V-418V						
	Hand ratchet	2093 HR-94 18°			Z-94					
	T-handle ratchet	2093 U-3T 5°	3093 U-3T 5°		U-3					
	Plastic ratchet		3093 U-10K 7,5°	1993 U-10K 7,5°	U-10					

Manufacturing process for sockets

Like all hot-forged tools, GEDORE sockets (*) are characterised by their homogeneous structure. The fibres run in parallel with the contour of the tool. The uninterrupted fibre orientation prevents residual stresses in the structure. In cold-forged tools, the fibres or lines of stress may deviate. Fibre orientation is equally important in nature. For example, in a tree, the soft fibre orientation is parallel to the branch, so the wood is resistant to bending and twisting. If fibres become kinked, the branch loses its stability at the kink point and breaks. The low-stress GEDORE sockets withstand suddenly occurring peak forces better than cold formed sockets.

(*) Not applicable to 1/4" hexagonal sockets

1

Blank cropped to size from 31CrV3

2

Hot forged in the forging press.

3

Accurately cropped to size.

4

Outside diameter turned and knurled. For this step and the next, GEDORE uses high-tech machinery from its in-house mechanical engineering department.

5

Counterbored, square socket drive is fluted (ball-stop flute), manufacturer and socket size are permanently stamped.

6

Degreased, since grease would destroy the protective gas atmosphere in hardening.

7

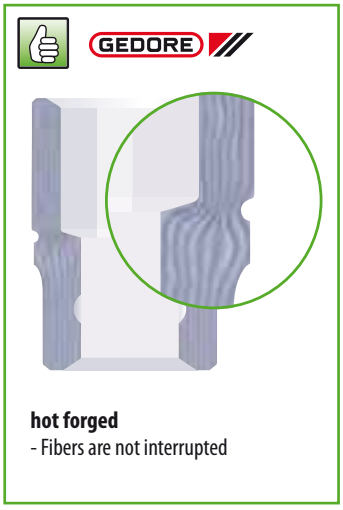
Hardened under protective gas atmosphere, followed by annealing.

8

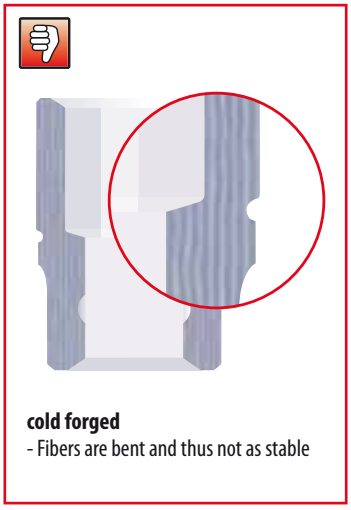
Sand blasted in preparation for surface coating.

9

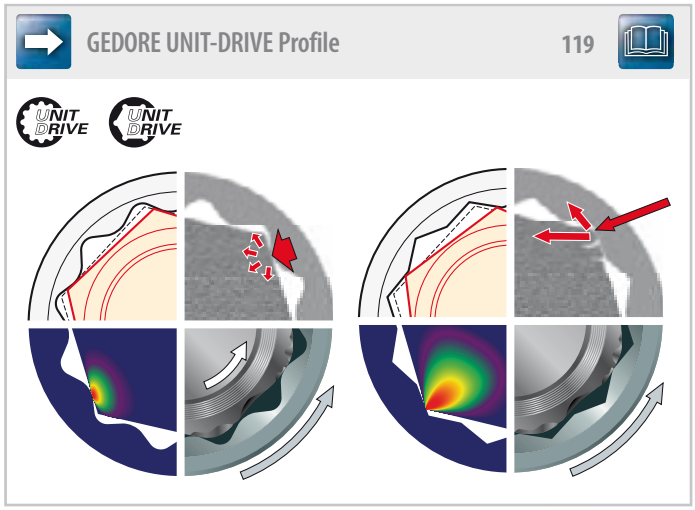
Nickel-plated and matt-chrome-plated to prevent dazzle. The electrolytically applied nickel coating ensures corrosion protection. The electroplated chrome improves the look and gives the socket a perfect finish.



hot forged
- Fibers are not interrupted



cold forged
- Fibers are bent and thus not as stable



		mm Unit Drive hexagon	mm Unit Drive bi-hexagon	"AF Unit Drive bi-hexagon	"AF Unit Drive hexagon	Whitw. Unit Drive bi-hexagon	mm External hexagon	"AF External hexagon	Whitw. External hexagon	mm Hexagon internal	Internal-TORX®	Internal TORX® with pilot	External TORX®	Internal serrations XZN	Slotted	Cross-slotted PH	Cruciform PZ	Internal TORX PLUS®	Internal TORX® with ball end	Internal hexagon with ball end	mm Hexagon internal
6,3 1/4"			4 - 14	3/16 - 9/16			4 - 14	3/16 - 9/16	8 - 0 BA	2 - 8	T8 - T40		E4 - E10		4 - 8	1 - 4	1 - 4	61P - 40IP	T10 - T40	K4 - K6	
	L			3/16 - 1/2			4 - 13	3/16 - 1/2		3 - 8											
	K						5,5 - 17	3/16 - 7/16													
10 3/8"		6 - 24	6 - 24	1/4 - 1	1/4 - 7/8					4 - 10	T20 - T50	T20 - T50	E4 - E10	5 - 10	5,5 - 12	1 - 3	1 - 3				1/5 - 3/8
	L		10 - 21	3/8 - 7/8						4 - 10	T20 - T50			6 - 10						K4 - K10	
	K						6 - 24						E5 - E14								
12,5 1/2"		8 - 36	8 - 36	5/16 - 1 1/4		3/16 -3/4W				4 - 19	T20 - T50	T20 - T50	E10 - E24	5 - 14	6,5 - 18	2 - 4	2 - 4			K6 - K14	3/16 - 5/8
	L	10 - 34	10 - 34	1/2 - 15/16						5 - 14	T20 - T50			5 - 14						K6 - K14	
	K	10 - 32			3/8 - 1 5/16					5 - 17	T30 - T60		E10 - E24								
	L·K	8 - 27																			
20 3/4"		18 - 60	18 - 60	7/8 - 2						14 - 22	T60 - T100										
	L									14 - 22											
	K	17 - 41								14 - 27											
	K·L	17 - 41																			
	S	17 - 41																			
	S·L	17 - 41																			
25 1"			36 - 80	17/16 - 3 1/8		7/8 - 2W				17 - 27											
	K	22 - 80			1 - 2 1/4					19 - 36											
	K·L	22 - 46																			
	S	22 - 80																			
	S·L	22 - 46																			
		Hexagon																			
40 1½"	K	46 - 120																			
	K·L	46 - 120																			
63 2½"	K	75- 120																			

Pro GEDORE

- Use of high alloy 31CrV3 steel
- Heat formed sockets which have a wear resistant, fine-grained structure and have a long service life
- Narrow production tolerances ensure an ideal load transmission and low wear and guarantee a long service life
- Distinctive ball catch ensure secure fit on the square drive
- Good grip due to deep knurling even when held with oily hands or when working with protective gloves
- Good look due to chrome plating and varnishing
- Broad range in all sizes, drive and drive-side and for a wide range of screw types. One of the most diverse ranges in the market.

(*) Not applicable to 1/4" hexagonal sockets

6.3 (1/4") SQUARE DRIVE

◤ 6.3 1/4 6.3 1/4

SETS 6.3 (1/4") MM+INCH

◤ 6.3 1/4
◤ Classified into basic, supplementary, compact and volume sets
◤ Socket drivers and/or practical accessories in proven GEDORE quality
◤ With "Check-Tool-System": 2-colour plastic insert to check that the set is complete

BASIC SETS

D 20 DMU-3

SOCKET SET 1/4" 14 pieces

◤ With UD profile sockets and accessories made from GEDORE vanadium steel 31CrV3, hand-operated
◤ With fine toothed, dial change ratchet
◤ In plastic case
◤ Dimensions 160 x 95 x 38 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-3 **2093** U-3	**D 20** 4 4,5 5 5,5 6 7 8 9 10 11 12 13	**2090**-4	0.429	**1815598**	D 20 DMU-3

SUPPLEMENTARY SETS

INS 20 PM

SCREWDRIVER BIT SOCKET SET 1/4" 15 pieces

◤ With hand-operated screwdriver bit sockets in GEDORE vanadium special steel
◤ In plastic case
◤ Dimensions: 160 x 95 x 38 mm

Sockets	kg	Code	No.
IN 20 3 4 5 6 8 **IS 20 4 5,5 6,5 8** **IKS 20 1 2 3** **IKS 20 PZD 1 2 3**	0.285	**1815601**	INS 20 PM

ITX 20 TX-015

SCREWDRIVER BIT SOCKET SET 1/4" 15 pieces

◤ With hand-operated screwdriver bit sockets in GEDORE vanadium special steel
◤ In plastic case
◤ Dimensions: 160 x 95 x 38 mm
◤ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Sockets	kg	Code	No.
ITX 20 T8 T9 T10 T15 T20 T25 T27 T30 T40 **TX 20 E4 E5 E6 E7 E8 E10**	0.307	**1815628**	ITX 20 TX-015

ITX 20 PM

SCREWDRIVER BIT SOCKET SET 1/4" 9 pieces

◤ With hand-operated screwdriver bit sockets in GEDORE vanadium special steel
◤ In plastic case
◤ Dimensions: 110 x 65 x 31 mm
◤ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Sockets	kg	Code	No.
ITX 20 T8 T9 T10 T15 T20 T25 T27 T30 T40	0.174	**1815636**	ITX 20 PM

COMPACT SETS

D 20 EMU-3

SOCKET SET 1/4" 17 pieces

◤ With forged, tempered UD profile sockets, hand-operated
◤ With accessories made from GEDORE vanadium steel 31CrV3
◤ With fine toothed, dial change ratchet
◤ In plastic case
◤ Dimensions: 200 x 120 x 38 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-3 **2093** U-3	**D 20** 4 4,5 5 5,5 6 7 8 9 10 11 13	**2087** **2090**-4 **2095** **676** **673** 6,3	0.625	**1815652**	D 20 EMU-3

D 20 KMU-20

SOCKET SET 1/4" 37 pieces

- With forged, tempered UD profile sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With robust lever-change reversible ratchet with push-button release
- In plastic case
- Dimensions: 200 x 120 x 38 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Ratchet	Sockets	Accessories	kg	Code	No.
U-20 **2093 U-20**	**D 20** 4 5 6 7 8 9 10 11 12 13 **680** 4 5,5 6,5 **685** 3 4 5 6 **685 X** 5 6 8 **687 TX** T10 T15 T20 T25 T27 T30 T40 **690** 1 2 **690 PZD** 1 2 3	**2090**-4 **620** **676** **699**	0.712	**1822373**	D 20 KMU-20

D 20 KAU-20

SOCKET SET 1/4" 37 pieces

- With forged, tempered UD profile sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With robust lever-change reversible ratchet with push-button release
- In plastic case
- Dimensions: 200 x 120 x 38 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Ratchet	Sockets	Accessories	kg	Code	No.
U-20 **2093 U-20**	**D 20** 3/16 7/32 1/4 9/32 5/16 11/32 3/8 13/32 7/16 1/2" **680** 4 5,5 6,5 **685** 1/8 5/32 3/16 1/4" **685 X** 5 6 8 **687 TX** T10 T15 T20 T25 T27 T30 T40 **690** 1 2 **690 PZD** 1 2 3	**2090**-4 **620** **676** **699**	0.656	**2010348**	D 20 KAU-20

D 20 TMU-10

SOCKET SET 1/4" 40 pieces

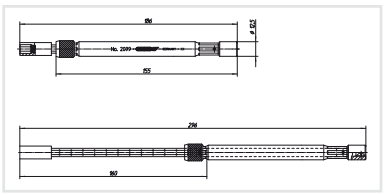
- With forged, tempered UD profile sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With robust lever change reversible ratchet
- In plastic case
- Dimensions: 200 x 120 x 38 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Ratchet	Sockets	Accessories	kg	Code	No.
U-10 **2093 U-10**	**D 20** 4 5 6 7 8 9 10 11 12 13 **680** 4 6,5 **685** 3 4 5 6 8 **685 X** 5 6 8 **687 TX** T10 T15 T20 T25 T27 T30 T40 **690** 1 2 **690 PZD** 1 2 3	**620** **639** **673** 6,3 **676** **699** **2095** **2090**-4	0.767	**1815660**	D 20 TMU-10

20 XLU-3 T

SOCKET SET 1/4" 37 pieces

- With forged, tempered hexagon sockets, hand-operated, made from GEDORE vanadium steel 31CrV3
- Screwdriver bits made from GEDORE vanadium special steel
- With T-handle ratchet and telescopic extension no. 2099, adjustable from 186-296 mm
- In plastic case
- Dimensions: 200 x 120 x 38 mm
- With "Check-Tool-System": 2-colour foam insert to check that the set is complete
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Ratchet	Sockets	Accessories		Code	No.
2093 U-3 T	**20** 4 5 6 7 8 9 10 11 12 13 **680** 4 6,5 **685** 3 4 5 6 **685 X** 5 6 8 **687 TX** T8 T9 T10 T15 T20 T25 T27 T30 T40 **690** 1 2 **690 PZD** 1 2 3	**673** 6,3 **2099** **2095**	0.800	**1888447**	20 XLU-3 T

D 20 MOT

BASIC TOOL SET 1/4" FOR MOTORBIKES 30 pieces

- Packed with a basic assortment of tools for emergencies on motorbikes
- In plastic case
- Dimensions: 160 x 95 x 38 mm

Ratchet	Sockets	Accessories		Code	No.
U-3 **2093 U-3 T**	**D 20** 8 9 10 11 12 13 14 **685** 3 4 5 6 8 10 **687 TX** T10 T15 T20 T25 T27 T30 T40 **690** 1 2 3 **680** 4 6,5	**2090 KR**-4 **2090**-6 **2095** **620**	0.572	**2190281**	D 20 MOT

D 20 MOT-A

BASIC TOOL SET 1/4" FOR MOTORBIKES 30 pieces

- Packed with a basic assortment of tools for emergencies on motorbikes
- In plastic case
- Dimensions: 160 x 95 x 38 mm

Ratchet	Sockets	Accessories		Code	No.
U-3 **2093 U-3 T**	**D 20** 1/4 5/16 3/8 13/32 7/16 1/2 9/16" **685** 1/8 5/32 3/16 1/4 5/16 3/8" **687 TX** T10 T15 T20 T25 T27 T30 T40 **690** 1 2 3 **680** 4 6,5	**2090 KR**-4 **2090**-6 **2095** **620**	0.572	**2193159**	D 20 MOT-A

VOLUME SETS

20 LMU-10

SOCKET SET 1/4" 49 pieces

- With forged, tempered long hexagon and short UD profile sockets, hand-operated
- Accessories in GEDORE vanadium steel 31CrV3
- With robust lever change reversible ratchet
- In plastic case
- Dimensions: 275 x 150 x 42 mm
- With GEDORE Check-Tool-System: 2-colour foam insert to check that the set is complete
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Ratchet	Sockets	Accessories	kg	Code	No.
U-10 **2093 U-10**	**D 20** 4 5 6 7 8 9 10 11 12 13 **20 L** 4 4,5 5 6 7 8 9 10 12 13 **680** 4 6,5 **685** 3 4 5 6 8 **685 X** 5 6 8 **687 TX** T10 T15 T20 T25 T27 T30 T40 **690** 1 2 **690 PZD** 1 2 3	**620** **676** **699** **2090**-2 -6 **2095**	1.262	**1815687**	20 LMU-10

20 EM

SOCKET SET 1/4" 16 pieces

- With forged, tempered hexagon sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- Set U-10 with reversible lever change ratchet
- Set U-3 with fine toothed, dial change ratchet
- Set Z-94 with ratchet with square coupler
- In plastic case
- Dimensions: 200 x 120 x 38 mm

Ratchet	Sockets	Accessories	kg	Code	No.
Z-94 **2093 Z-94**	**20** 4 4,5 5 5,5 6 7 8 9 10 11 13	**2087** **2090**-4 **2095** **2098**	0.761	**6172100**	20 EMZ
U-3 **2093 U-3**	**20** 4 4,5 5 5,5 6 7 8 9 10 11 13	**2087** **2090**-4 **2095** **2098**	0.776	**6172290**	20 EMU-3
U-10 **2093 U-10**	**20** 4 4,5 5 5,5 6 7 8 9 10 11 13	**2087** **2090**-4 **2095** **2098**	0.790	**6162220**	20 EMU-10

STANDARD SETS

20 EAU-3

SOCKET SET 1/4" 14 pieces

- With forged, tempered hexagon sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With extra fine toothed, dial change ratchet
- In plastic case
- Dimensions: 200 x 120 x 38 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-3 **2093 U-3**	**20** 3/16 7/32 1/4 9/32 5/16 11/32 3/8 7/16 1/2"	**2087** **2090**-4 **2095** **2098**	0.767	**6172450**	20 EAU-3

20 IMU-3

SOCKET SET 1/4" 32 pieces

- With forged, tempered hexagon sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With fine toothed, dial change ratchet
- In plastic case
- Dimensions: 275 x 150 x 42 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-3 **2093 U-3**	**20** 4 5 6 7 8 9 10 11 12 13 14 **IS 20** 4 5,5 6,5 8 **IN 20** 3 4 5 6 8 **IKS 20** 1 2 3 **IKS 20 PZD** 1 2 3	**2087** **2090**-2 -6 **2095** **2098**	1.298	**6174150**	20 IMU-3

20 ITU-3

SOCKET SET 1/4" 36 pieces

- With forged, tempered hexagon sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With fine toothed, dial change ratchet
- In plastic case
- Dimensions: 275 x 150 x 42 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Ratchet	Sockets	Accessories	kg	Code	No.
U-3 **2093 U-3**	**20** 4 5 6 7 8 9 10 11 12 13 14 **IN 20** 3 4 5 6 8 **TX 20** E4 E5 E6 E7 E8 E10 **ITX 20** T8 T9 T10 T15 T20 T25 T27 T30	**2087** **2090**-2 -6 **2095** **2098**	1.376	**6196710**	20 ITU-3

D 20 HL-09

SOCKET SET HI-LOK® 1/4" 9 pieces

- Especially for Hi-Lok® bolts (scrivets) in the aerospace industry
- With forged, tempered bi-hexagon sockets, hand-operated
- Lever change ratchet with magnetic locking
- Hexagon Allen key for in-hex screws to counter the rivet
- Hi-Lok® = reg. trademark of Hi-Shear Corporation, Ca. USA

Ratchet	Sockets	kg	Code	No.
2093 U-10 HL	**D 20** 7/32 1/4 5/16 11/32 3/8" **42** 3/32 5/64 1/16"	0.280	**2226332**	D 20 HL-09

D 20-30 HL-16

SOCKET SET HI-LOK® 1/4"-3/8" 16 pieces

- Especially for Hi-Lok® bolts (scrivets) in the aerospace industry
- With forged, tempered bi-hexagon sockets, hand-operated
- Lever change ratchet with magnetic locking
- Hexagon Allen key for in-hex screws to counter the rivet. 5/32 AF and 1/8 AF as hexagon screwdriver with T-handle
- In plastic case
- Dimensions: 275 x 150 x 42 mm
- Hi-Lok® = reg. trademark of Hi-Shear Corporation, Ca. USA

Ratchet	Sockets	kg	Code	No.
2093 U-10 HL **3093 U-10 HL**	**D 20** 3/16 7/32 1/4 9/32 5/16 11/32" **D 30** 3/8 7/16 1/2" **42** 3/32 5/64 1/16" **42 T** 5/32 1/8"	1.040	**2226340**	D 20-30 HL-16

GEDORE INDIVIDUAL **... CUSTOMISED FOR YOU!**

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/ services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

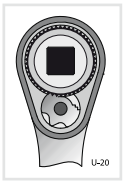
RATCHETS 6.3 (1/4")

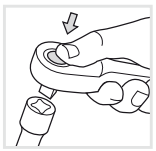
2093 U-20

REVERSIBLE RATCHET 1/4"

6,3
1/4"

- Used throughout industry and the automotive world - and as well in confined spaces
- Acc. to DIN 3122, ISO 3315
- Small, drop shaped head for confined areas
- Fine-toothed, with lever change and push-button release
- Return angle 9 degrees
- Non-slip 2-component handle with hanging hole
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 6.3, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated





■"	■	∠°	⊢mm⊣	mm	kg	Code	No.
1/4	6.3	9	127	20	0.095	**1703749**	2093 U-20

2093 U-10

REVERSIBLE RATCHET 1/4"

6,3
1/4"

- Particularly for the demanding use experienced in industry and with utility vehicles
- Acc. to DIN 3122, ISO 3315
- With recessed lever change, locks in middle position
- Return angle 15 degrees
- Non-slip 2-component handle with hanging hole
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 6.3, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated

■"	■	∠°	⊢mm⊣	mm	kg	Code	No.
1/4	6.3	15	129	21.5	0.109	**6180470**	2093 U-10

2093 U-10 HL

REVERSIBLE RATCHET 1/4" HI-LOK®

6,3
1/4"

- Especially for Hi-Lok® bolts (scrivets) in the aerospace industry
- Lever change ratchet with magnetic locking
- With recessed lever change, oval head
- For hand-operated sockets
- From GEDORE vanadium steel 31CrV3
- Hi-Lok® = reg. trademark of Hi-Shear Corporation, Ca. USA

■"	■	∠°	⊢mm⊣	mm	kg	Code	No.
1/4	6.3	15	129	21	0.105	**2226294**	2093 U-10 HL

2093 U-3

REVERSIBLE RATCHET 1/4"

- Especially for working in confined spaces, as in the automotive business
- Acc. to DIN 3122, ISO 3315
- With non-slip metal disc change, fine-toothed (72 teeth) and robust
- Return angle 5 degrees
- Non-slip 2-component handle with hanging hole
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 6.3, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated

6,3
1/4"

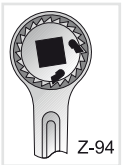
■"	■	∠°	⟷ mm ⟷	mm²	kg	Code	No.
1/4	6.3	5	129	25	0.095	**6170590**	2093 U-3

2093 Z-94

RATCHET HANDLE WITH COUPLER 1/4"

- Used throughout industry and the automotive world
- Acc. to DIN 3122, ISO 3315
- With square coupler, medium-fine toothed, extremely rugged
- Return angle 18 degrees
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 6.3, ISO 1174 ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated

6,3
1/4"



■"	■	∠°	⟷ mm ⟷	mm²	kg	Code	No.
1/4	6.3	18	129	12	0.076	**6170750**	2093 Z-94

2093 U-3 T

RATCHET WITH T-HANDLE 1/4"

- For progressing fast in confined spaces
- Two-wing T-handle
- Return angle 5 degrees
- Ergonomic design for comfortable working
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 6.3, ISO 1174, ball locking device
- The danger of the tool canting, when carrying out work with extensions, is reduced by the central positioning of the square drive

6,3
1/4"

■"	■	∠°	⟷ mm ⟷	kg	Code	No.
1/4	6.3	5	140	0.065	**1791532**	2093 U-3 T

2093 HR-94

HAND RATCHET 1/4" without handle

- With square coupler
- Return angle 18 degrees
- Facilitates working quickly in confined spaces where other ratchets or tools do not fit
- Especially suitable for servicing work in conjunction with extension 2090-12
- Dimensions: Ø 26 x 20 mm

6,3
1/4"

■"	■	∠°	kg	Code	No.
1/4	6.3	18	0.035	**6069870**	2093 HR-94

20 XLU-3 T 170

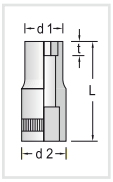
SOCKETS 6.3 (1/4")

20 (MM)

SOCKET 1/4" hexagon

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

6,3 | 1/4" | mm



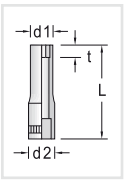
mm	L	d_1	d_2	t	kg	Code	No.
4.0	25	6.9	12.0	2.0	0.009	**6165400**	20 4
4.5	25	7.5	12.0	2.3	0.010	**6165590**	20 4,5
5.0	25	8.2	12.0	2.5	0.010	**6165670**	20 5
5.5	25	8.8	12.0	3.0	0.010	**6165750**	20 5,5
6.0	25	9.4	12.0	3.5	0.010	**6165830**	20 6
7.0	25	11.0	12.0	4.0	0.011	**6165910**	20 7
8.0	25	12.0	12.0	5.0	0.014	**6166050**	20 8
9.0	25	13.0	13.0	5.0	0.016	**6166130**	20 9
10.0	25	14.7	14.7	6.0	0.018	**6166210**	20 10
11.0	25	16.0	16.0	7.0	0.025	**6166480**	20 11
12.0	25	17.0	17.0	8.0	0.029	**6166560**	20 12
13.0	25	18.5	18.5	8.0	0.030	**6166640**	20 13
14.0	25	19.7	19.7	10.0	0.037	**6166720**	20 14

20 L (MM)

SOCKET 1/4" hexagon, long pattern

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

6,3 | 1/4" | mm



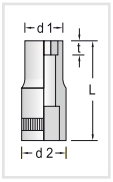
mm	L	d_1	d_2	t	kg	Code	No.
4.0	50	6.9	12.0	3.0	0.017	**6191400**	20 L 4
4.5	50	7.5	12.0	3.4	0.017	**6191590**	20 L 4,5
5.0	50	8.2	12.0	3.7	0.018	**6191670**	20 L 5
5.5	50	8.8	12.0	4.5	0.019	**6191750**	20 L 5,5
6.0	50	9.4	12.0	5.2	0.020	**6191830**	20 L 6
7.0	50	11.0	12.0	6.0	0.024	**6191910**	20 L 7
8.0	50	12.0	12.0	7.5	0.027	**6192050**	20 L 8
9.0	50	13.0	13.0	7.5	0.030	**6192130**	20 L 9
10.0	50	14.7	14.7	9.0	0.033	**6192210**	20 L 10
11.0	50	16.0	16.0	10.5	0.047	**6192480**	20 L 11
12.0	50	17.0	17.0	12.0	0.050	**6192560**	20 L 12
13.0	50	18.5	18.5	12.0	0.054	**6192640**	20 L 13

20 (AF)

SOCKET 1/4" hexagon

- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

6,3 | 1/4" | "AF



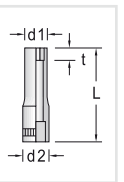
"AF	L	d_1	d_2	t	kg	Code	No.
3/16	25	7.8	12.0	2.5	0.009	**6167020**	20 3/16AF
7/32	25	8.8	12.0	3.0	0.009	**6167100**	20 7/32AF
1/4	25	9.8	12.0	3.5	0.025	**6167290**	20 1/4AF
9/32	25	11.0	12.0	4.0	0.010	**6167370**	20 9/32AF
5/16	25	12.0	12.0	5.0	0.013	**6167450**	20 5/16AF
11/32	25	13.0	13.0	5.0	0.015	**6167530**	20 11/32AF
3/8	25	14.0	14.0	6.0	0.018	**6167610**	20 3/8AF
7/16	25	16.0	16.0	7.0	0.023	**6167880**	20 7/16AF
1/2	25	18.0	18.0	8.0	0.029	**6167960**	20 1/2AF
9/16	25	20.0	20.0	10.0	0.036	**6161840**	20 9/16AF

20 L (AF)

SOCKET 1/4" hexagon, long pattern

- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

6,3 | 1/4" | "AF



"AF	L	d_1	d_2	t	kg	Code	No.
3/16	50	7.8	12.0	3.7	0.016	**6192800**	20 L 3/16AF
7/32	50	8.8	12.0	4.5	0.017	**6192990**	20 L 7/32AF
1/4	50	9.8	12.0	5.2	0.017	**6193020**	20 L 1/4AF
9/32	50	11.0	12.0	6.0	0.022	**6193100**	20 L 9/32AF
5/16	50	12.0	12.0	7.5	0.025	**6193290**	20 L 5/16AF
11/32	50	13.0	13.0	7.5	0.029	**6193370**	20 L 11/32AF
3/8	50	14.0	14.0	9.0	0.033	**6193450**	20 L 3/8AF
7/16	50	16.0	16.0	10.5	0.043	**6193530**	20 L 7/16AF
1/2	50	18.0	18.0	12.0	0.054	**6193610**	20 L 1/2AF

D 20 (MM)

SOCKET 1/4" bi-hexagon UD profile

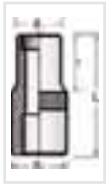
- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

mm	L	d_1	d_2	t	kg	Code	No.
4.0	25	6.9	12.0	2.0	0.009	**1649558**	D 20 4
4.5	25	7.5	12.0	2.3	0.008	**1649566**	D 20 4,5
5.0	25	8.2	12.0	2.5	0.011	**1649574**	D 20 5
5.5	25	8.8	12.0	3.0	0.012	**1802402**	D 20 5,5
6.0	25	9.4	12.0	3.5	0.010	**1649582**	D 20 6
7.0	25	11.0	12.0	4.0	0.013	**1649590**	D 20 7
8.0	25	12.0	12.0	5.0	0.013	**6225750**	D 20 8
9.0	25	13.0	13.0	5.0	0.015	**6225830**	D 20 9
10.0	25	14.7	14.7	6.0	0.020	**6226050**	D 20 10
11.0	25	16.0	16.0	7.0	0.024	**6226130**	D 20 11
12.0	25	17.0	17.0	8.0	0.026	**6226480**	D 20 12
13.0	25	18.5	18.5	8.0	0.029	**6226640**	D 20 13
14.0	25	19.7	19.7	10.0	0.036	**6226720**	D 20 14

D 20 (AF)

SOCKET 1/4" bi-hexagon UD profile

- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated



"AF	L	d_1	d_2	t	kg	Code	No.
3/16	25	7.8	12.0	2.5	0.010	**1812505**	D 20 3/16AF
7/32	25	8.8	12.0	3.0	0.011	**1812513**	D 20 7/32AF
1/4	25	9.8	12.0	3.5	0.011	**1812521**	D 20 1/4AF
9/32	25	11.0	12.0	4.0	0.012	**1812548**	D 20 9/32AF
5/16	25	12.0	12.0	5.0	0.012	**6226800**	D 20 5/16AF
11/32	25	13.0	13.0	5.0	0.015	**6226990**	D 20 11/32AF
3/8	25	14.0	14.0	6.0	0.017	**6227020**	D 20 3/8AF
13/32	25	15.0	15.0	6.0	0.020	**1901702**	D 20 13/32AF
7/16	25	16.0	16.0	7.0	0.022	**6227370**	D 20 7/16AF
1/2	25	18.0	18.0	8.0	0.028	**6227450**	D 20 1/2AF
9/16	25	20.0	20.0	10.0	0.034	**6228180**	D 20 9/16AF

D 20 L

SOCKET 1/4" bi-hexagon UD profile, long pattern

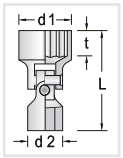
- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

"AF	L	d_1	d_2	t	kg	Code	No.
3/16	50	7.8	12.0	3.7	0.017	**1965433**	D 20 L 3/16AF
7/32	50	8.8	12.0	4.5	0.019	**1965476**	D 20 L 7/32AF
1/4	50	9.8	12.0	5.2	0.017	**1965417**	D 20 L 1/4AF
9/32	50	11.0	12.0	6.0	0.043	**1965484**	D 20 L 9/32AF
5/16	50	12.0	12.0	7.5	0.024	**1965441**	D 20 L 5/16AF
11/32	50	13.0	13.0	7.5	0.043	**1965492**	D 20 L 11/32AF
3/8	50	14.0	14.0	9.0	0.035	**1965425**	D 20 L 3/8AF
7/16	50	16.0	16.0	10.5	0.043	**1965468**	D 20 L 7/16AF
1/2	50	18.0	18.0	12.0	0.054	**1965409**	D 20 L 1/2AF

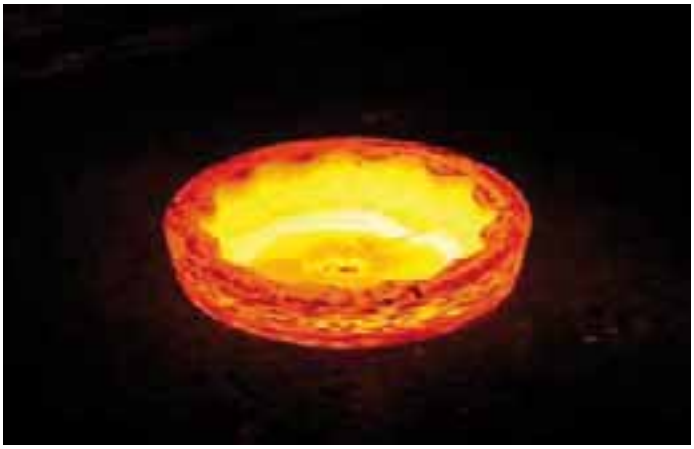
DG 20 (MM)

SWIVEL SOCKET 1/4" bi-hexagon UD profile

- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated
- UD-profile
- GEDORE vanadium steel 31CrV3, chrome-plated



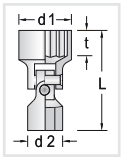
mm	L	d_1	d_2	t	kg	Code	No.
5.5	38.0	8.8	14	3.0	0.030	**2190648**	DG 20 5,5
6.0	38.0	9.4	14	3.5	0.030	**2190656**	DG 20 6
7.0	38.0	11.0	14	4.0	0.030	**2190664**	DG 20 7
8.0	38.0	12.0	14	5.0	0.030	**2190680**	DG 20 8
9.0	38.0	13.0	14	5.0	0.050	**2190699**	DG 20 9
10.0	39.0	14.7	14	6.0	0.040	**2190702**	DG 20 10
11.0	41.0	16.0	14	7.0	0.040	**2190729**	DG 20 11
12.0	42.0	17.0	14	8.0	0.030	**2190737**	DG 20 12
13.0	42.0	18.5	14	8.0	0.040	**2190745**	DG 20 13



DG 20 (AF)

SWIVEL SOCKET 1/4" bi-hexagon UD profile

- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated
- UD-profile
- GEDORE vanadium steel 31CrV3, chrome-plated

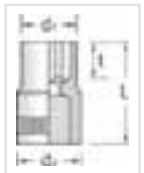


"AF	L	d_1	d_2	t	kg	Code	No.
1/4	38.0	9.8	14	3.5	0.025	**1965336**	DG 20 1/4AF
5/16	38.0	12.0	14	5.0	0.026	**1965344**	DG 20 5/16AF
3/8	39.0	14.0	14	6.0	0.027	**1965352**	DG 20 3/8AF
7/16	41.0	16.0	14	7.0	0.010	**1965360**	DG 20 7/16AF
1/2	42.0	18.0	14	8.0	0.010	**1965379**	DG 20 1/2AF
9/16	43.5	20.0	14	9.0	0.010	**1965387**	DG 20 9/16AF

TX 20

SOCKET 1/4" for protruding TORX® head screws

- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

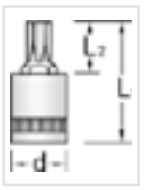


	M	mm	L	d_1	d_2	t	kg	Code	No.
E4	M3	3,86	25	5.5	12	4.5	0.008	**6193880**	TX 20 E4
E5	M4	4,73	25	7.0	12	5.0	0.009	**6187640**	TX 20 E5
E6	M5	5,74	25	8.0	12	5.0	0.010	**6187720**	TX 20 E6
E7	M6	6,16	25	9.5	12	6.0	0.011	**6187800**	TX 20 E7
E8	M6 - M7	7,52	25	10.5	12	6.5	0.014	**6187990**	TX 20 E8
E10	M8	9,42	25	13.0	13	7.0	0.018	**6193960**	TX 20 E10

ITX 20

SCREWDRIVER BIT SOCKET 1/4" for recessed TORX® head screws

- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

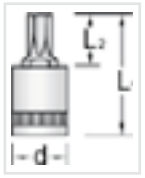


	M	mm	L_1	L_2	d	kg	Code	No.
T8	M2,5	2,31	30.5	14.5	12	0.013	**6190430**	ITX 20 T8
T9	M3	2,50	30.5	14.5	12	0.013	**6190510**	ITX 20 T9
T10	M3 - M3,5	2,74	30.5	14.5	12	0.014	**6190780**	ITX 20 T10
T15	M3,5 - M4	3,27	30.5	14.5	12	0.014	**6190860**	ITX 20 T15
T20	M4 - M5	3,86	30.5	14.5	12	0.014	**6190940**	ITX 20 T20
T25	M4,5 - M5	4,43	30.5	14.5	12	0.014	**6191080**	ITX 20 T25
T27	M4,5 - M6	4,99	30.5	14.5	12	0.014	**6191160**	ITX 20 T27
T30	M6 - M7	5,52	30.5	14.5	12	0.015	**6191240**	ITX 20 T30
T40	M7 - M8	6,65	33.5	14.0	14	0.025	**6265890**	ITX 20 T40

ITX 20 IP

SCREWDRIVER BIT SOCKET 1/4" for recessed TORX PLUS® head screws

- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, gun-metal finish
- TORX PLUS® = reg. trademark of Acument Intellectual Properties, LLC. USA

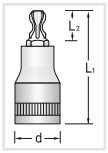


	M	mm	L_1	L_2	d	kg	Code	No.
6IP	M2	2,31	30.5	14.5	12	0.013	**1815431**	ITX 20 6IP
8IP	M2,5 - M3	2,50	30.5	14.5	12	0.013	**1815458**	ITX 20 8IP
10IP	M3 - M3,5	2,74	30.5	14.5	12	0.013	**1815466**	ITX 20 10IP
15IP	M3,5 - M4	3,27	30.5	14.5	12	0.013	**1815474**	ITX 20 15IP
20IP	M4 - M5	3,86	30.5	14.5	12	0.014	**1815482**	ITX 20 20IP
25IP	M4,5 - M5	4,43	30.5	14.5	12	0.014	**1815490**	ITX 20 25IP
27IP	M5 - M6	4,99	30.5	14.5	12	0.014	**1827898**	ITX 20 27IP
30IP	M6	5,52	30.5	14.5	12	0.015	**1815504**	ITX 20 30IP
40IP	M7 - M8	6,65	33.5	14.0	14	0.025	**1815512**	ITX 20 40IP

ITX 20 K

SCREWDRIVER BIT SOCKET 1/4" with ball end, for recessed TORX® head screws

- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, gun-metal finish
- Swivel angle approx. 15-20°
- Optimum transfer of power, also at places which are difficult of access
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



		mm	L_1	L_2	d	kg	Code	No.
T10	M3 - M3,5	2,74	30.5	14.5	12	0.015	**6120220**	ITX 20 K T10
T15	M3,5 - M4	3,27	30.5	14.5	12	0.015	**6120300**	ITX 20 K T15
T20	M4 - M5	3,86	30.5	14.5	12	0.015	**6120490**	ITX 20 K T20
T25	M4,5 - M5	4,43	30.5	14.5	12	0.015	**6120570**	ITX 20 K T25
T27	M4,5 - M6	4,99	30.5	14.5	12	0.015	**6120650**	ITX 20 K T27
T30	M6 - M7	5,52	30.5	14.5	12	0.015	**6120730**	ITX 20 K T30
T40	M7 - M8	6,65	33.5	14.0	14	0.025	**6120810**	ITX 20 K T40

IS 20

SCREWDRIVER BIT SOCKET 1/4" for slotted head screws

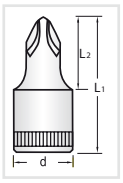
- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- Bit in GEDORE vanadium special steel, manganese-phosphated
- Bit as per DIN ISO 2380-1 Form B

mm	mm	L_1	L_2	d	kg	Code	No.
4.0	0.8	28	14.5	12	0.011	**6171560**	IS 20 4x0,8
5.5	1.0	28	14.5	12	0.012	**6171640**	IS 20 5,5x1
6.5	1.2	28	14.5	12	0.012	**6174230**	IS 20 6,5x1,2
8.0	1.6	28	14.5	12	0.012	**6174310**	IS 20 8x1,6

IKS 20

SCREWDRIVER BIT SOCKET 1/4" for cross-head screws PH

- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- Bit in GEDORE vanadium special steel, manganese-phosphated
- Tip as per DIN ISO 8764-1 PH

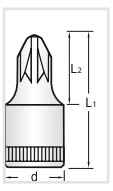


PH	L_1	L_2	d	kg	Code	No.
1	28	14.5	12	0.011	**6174580**	IKS 20 1
2	28	14.5	12	0.012	**6174660**	IKS 20 2
3	28	14.5	12	0.012	**6174740**	IKS 20 3
4	28	14.5	12	0.014	**6174820**	IKS 20 4

IKS 20 PZD

SCREWDRIVER BIT SOCKET 1/4" for cross-head screws Pozi PZ

- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- Bit in GEDORE vanadium special steel, manganese-phosphated
- Tip as per DIN ISO 8764-1 PZ

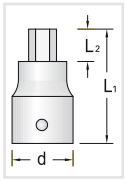


PZ	L_1	L_2	d	kg	Code	No.
1	28	14.5	12	0.012	**6187130**	IKS 20 PZD 1
2	28	14.5	12	0.013	**6187210**	IKS 20 PZD 2
3	28	14.5	12	0.014	**6187480**	IKS 20 PZD 3
4	28	14.5	12	0.015	**6187560**	IKS 20 PZD 4

IN 20

SCREWDRIVER BIT SOCKET 1/4" for in-hex screws

- Acc. to DIN 7422
- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- Bit in GEDORE vanadium special steel, manganese-phosphated
- * not standardised



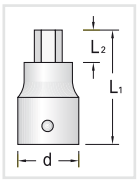
mm	*	L_1	L_2	d	kg	Code	No.
2	*	28	3.0	12	0.010	**1812556**	IN 20 2
2,5	*	28	3.5	12	0.010	**1707736**	IN 20 2,5
3		28	5.5	12	0.011	**6176010**	IN 20 3
4		28	7.0	12	0.011	**6176280**	IN 20 4
5		28	8.0	12	0.012	**6176360**	IN 20 5
6		28	8.5	12	0.013	**6178490**	IN 20 6
8	*	28	10.0	12	0.016	**6178570**	IN 20 8

IN 20 L

SCREWDRIVER BIT SOCKET 1/4" for in-hex screws, long pattern

6.3 | 1/4" | hex

- Acc. to DIN 7422
- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- Bit in GEDORE vanadium special steel, manganese-phosphated



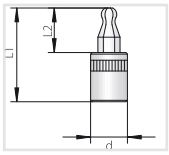
mm	L_1	L_2	d	kg	Code	No.
3	60	32	12	0.024	**1933256**	IN 20 L 3-60
4	60	32	12	0.025	**1933264**	IN 20 L 4-60
5	60	32	12	0.027	**1933272**	IN 20 L 5-60
6	60	32	12	0.029	**1933280**	IN 20 L 6-60
8	60	32	14	0.050	**1933299**	IN 20 L 8-60

IN 20 K

SCREWDRIVER BIT SOCKET 1/4" with ball end, for in-hex screws

6.3 | 1/4" | hex

- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin, manganese-phosphated
- Total swivel angle approx. 15-20°



mm	L_1	L_2	d	kg	Code	No.
4	30.5	14.5	12	0.010	**2219409**	IN 20 K 4
5	30.5	14.5	12	0.010	**2219417**	IN 20 K 5
6	30.5	14.5	12	0.013	**2219468**	IN 20 K 6

ACCESSORIES 6.3 (1/4")

2030

CONVERTOR 1/4" TO 3/8"

6.3 | 1/4" | 10 | 3/8"

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

□"	□	■"	■	↤mm↦	kg	Code	No.
1/4	6.3	3/8	10	26	0.020	**6170080**	2030

2087

SLIDING T BAR 1/4"

6.3 | 1/4"

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

■"	■	↤mm↦	kg	Code	No.
1/4	6.3	115	0.039	**6170160**	2087

2087 A

SLIDING T BAR WITH RELEASE 1/4"

6.3 | 1/4"

- Secured against unintentional removal
- GEDORE vanadium steel 31CrV3, polished, chrome-plated
- Turn handle for easy locking and releasing
- Accidental release when working is prevented because of the asymmetrical release point
- Particularly useful for work in sensitive areas where certainty against loss is a theme
- Examples: Aircraft engine, work in deep machine bodies
- DBGM (German utility patent)

■"	■	↤mm↦	kg	Code	No.
1/4	6.3	115	0.048	**1834398**	2087 A

2088

FLEXIBLE EXTENSION 1/4"

6.3 | 1/4"

- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

■"	■	↤mm↦	kg	Code	No.
1/4	6.3	120	0.046	**6170240**	2088

2090

EXTENSION 1/4"

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated
- * not standardised

■"	■	*	⊢mm⊣	kg	Code	No.
1/4	6.3		55	0.025	**6170320**	2090-2
1/4	6.3		97	0.041	**6170400**	2090-4
1/4	6.3		148	0.061	**6171210**	2090-6
1/4	6.3	*	305	0.124	**6173340**	2090-12

2090 A

EXTENSION 1/4" with release

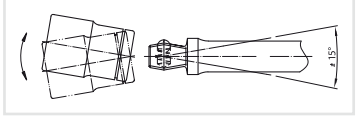
- Easy access to deep-fitting screws in confined areas
- No unintentional release of the socket from the extension due to safety ring
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device

■"	■	⊢mm⊣	kg	Code	No.
1/4	6.3	55	0.030	**1932284**	2090 A-2
1/4	6.3	97	0.050	**1932292**	2090 A-4
1/4	6.3	305	0.125	**1932306**	2090 A-12

2090 KR

UNIVERSAL EXTENSION 1/4"

- With ball end
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- The extension is able to pivot up to 15°
- GEDORE vanadium steel 31CrV3, polished, chrome-plated



■"	■	⊢mm⊣	kg	Code	No.
1/4	6.3	55	0.024	**1812564**	2090 KR-2
1/4	6.3	97	0.045	**1812572**	2090 KR-4
1/4	6.3	148	0.060	**6121030**	2090 KR-6

2094

COUPLER 1/4"

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

■"	■	⊢mm⊣	kg	Code	No.
1/4	6.3	19.8	0.006	**6170830**	2094

2095

UNIVERSAL JOINT 1/4"

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

■"	■	□"	□	⊢mm⊣	kg	Code	No.
1/4	6.3	1/4	6.3	38	0.026	**6170910**	2095

2097

SWIVEL HANDLE 1/4"

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated, square drive manganese-phosphated

■"	■	⊢mm⊣	kg	Code	No.
1/4	6.3	146	0.094	**6171050**	2097

2098

DRIVING HANDLE 1/4"

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device

■"	■	⊢mm⊣	kg	Code	No.
1/4	6.3	140	0.070	**6171480**	2098

2098 T

DRIVING HANDLE 1/4"

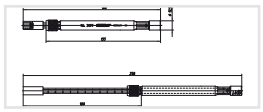
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- With bit adaptor no. 620 also suitable for 1/4" bits
- Easy access to deep-fitting screws in confined areas
- The danger of the tool canting, is reduced by the central positioning of the square drive
- With hanging hole
- GEDORE vanadium steel 31CrV3, chrome-plated

■ "	■	⊢ mm ⊣	kg	Code	No.
1/4	6.3	300	0.150	**1939998**	2098 T

2099

TELESCOPIC EXTENSION 1/4" magnetic

- With 1/4" female square drive and 1/4" female hexagon drive
- Automatic, form-fit connection
- Adjustable in 10 mm steps from 186-296 mm
- Suitable for 1/4" bits as well as with adaptor no. 673 for sockets up to 13 mm
- Made of quality steel, manganese-phosphated resp. chrome-plated



□ "	□	⬡ "	⬡	⊢ mm ⊣	kg	Code	No.
1/4	6.3	1/4	6.3	186-296	0.205	**1888455**	2099

20 XLU-3 T 170

SL 2013

TOOL HOLDING RAIL, MAGNETIC 1/4" empty

- External squares to take 13 standard commercial 6.3 mm (1/4") sockets
- Two female square adaptors to take ratchets, sliding T bars, extensions etc.
- A strong magnet securely holds the socket rail to ferrous metals
- Additional holes are provided for wall mounting the socket rail or attaching to non-ferrous materials
- The sockets are securely locked by the ball at the square-drive end by turning them 90°
- It is a simple matter to "unlock" and remove the sockets, by turning them 90° in the opposing direction
- Delivery without tools

⊢ mm ⊣	mm	kg	Code	No.
380	33	0.355	**1761080**	SL 2013

S 2032-05

ADAPTOR SET 1/4" - 3/4" 5 pieces

- Set of reducers and convertors 1/4" - 3/4"
- Reducers 1930, 3020
- Convertors 2030, 3019, 1932
- In transparent plastic box, dimensions: L 134 x W 51 x H 51 mm, foam insert light-blue
- Please take note of the maximum capacity of the external squares of the reducers acc. to DIN 3123, ISO 3316

2030

3020

1930

3019

1932

Contents	kg	Code	No.
Convertor 2030 1/4" - 3/8"	0.340	**1729071**	S 2032-05
Convertor 3019 3/8" - 1/2"			
Convertor 1932 1/2" - 3/4"			
Reducer 3020 3/8" - 1/4"			
Reducer 1930 1/2" - 3/8"			

30 JMU / D 30 JMU

SOCKET SET 3/8" 16 pieces

- With forged, tempered hexagon (no. 30) or bi-hexagon (no. D 30) UD profile sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With reversible lever change ratchet
- In GEDORIT blue sheet steel case
- Dimensions: 320 x 132 x 55 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-10 **3093 U-10**	**30** 6 7 8 9 10 11 12 13 14 15 16 17 18 19	**3090**-5	2.2	**2682885**	30 JMU-10
U-10 **3093 U-10**	**D 30** 6 7 8 9 10 11 12 13 14 15 16 17 18 19	**3090**-5	2.3	**2682893**	D 30 JMU-10

30 GMU / D 30 GMU

SOCKET SET 3/8" 17 pieces

- With forged, tempered hexagon (no. 30) or bi-hexagon (no. D 30) UD profile sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- Set U-3 with fine toothed, dial change ratchet
- Set U-10 with reversible lever change ratchet
- In GEDORIT blue sheet steel case
- Dimensions: 320 x 210 x 55 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-3 **3093 U-3**	**30** 6 7 8 9 10 11 13 14 15 16 17 19	**3087** **3090**-5 -10 **3095**	2.6	**6235980**	30 GMU-3
U-10 **3093 U-10**	**30** 6 7 8 9 10 11 13 14 15 16 17 19	**3087** **3090**-5 -10 **3095**	2.6	**6235710**	30 GMU-10
U-3 **3093 U-3**	**D 30** 6 7 8 9 10 11 13 14 15 16 17 19	**3087** **3090**-5 -10 **3095**	2.7	**6240200**	D 30 GMU-3
U-10 **3093 U-10**	**D 30** 6 7 8 9 10 11 13 14 15 16 17 19	**3087** **3090**-5 -10 **3095**	2.7	**6239380**	D 30 GMU-10

THE GEDORE SOCKET SET

- Innovative, functional design
- Sheet steel case - inside-folded, seamless edge provides added strength. The tool and foam inserts are secured to prevent them from being lost
- ABS plastic tool insert, resistant to oils and greases
- Tool insert with the socket sizes permanently laser marked
- With the lid closed, the tools sit securely in their pockets
- Boxes designed so that they can be stacked easily
- Large, rounded fasteners can be opened and closed even when the user is wearing gloves
- Contoured carry handle ensures comfortable carrying even for long periods
- Environmentally-friendly powder-coated in GEDORIT blue

3/8"

30 HMU / D 30 HMU

SOCKET SET 3/8" 22 pieces

10 | 3/8" | UNIDRIVE | UNIDRIVE | mm

- With forged, tempered hexagon (no. 30) or bi-hexagon (no. D 30) UD profile sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- Set U-3 with fine toothed, dial change ratchet
- Set U-10 with reversible lever change ratchet
- In GEDORIT blue sheet steel case
- Dimensions: 320 x 210 x 55 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-3 **3093 U-3**	**30** 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	**3087** **3090**-5 -10 **3095**	3.0	**6238300**	30 HMU-3
U-10 **3093 U-10**	**30** 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	**3087** **3090**-5 -10 **3095**	3.0	**6235470**	30 HMU-10
U-3 **3093 U-3**	**D 30** 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	**3087** **3090**-5 -10 **3095**	3.1	**6240470**	D 30 HMU-3
U-10 **3093 U-10**	**D 30** 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	**3087** **3090**-5 -10 **3095**	3.1	**6239700**	D 30 HMU-10

30 IMU

SOCKET SET 3/8" 26 pieces

- With forged, tempered hexagon UD profile sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- Set U-3 with fine toothed, dial change ratchet
- Set U-10 with reversible lever change ratchet
- In GEDORIT blue sheet steel case
- Dimensions: 320 x 210 x 55 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-3 **3093 U-3**	**30** 6 7 8 9 10 11 12 13 14 15 16 17 19 **IS 30** 5,5 8 **IN 30** 4 5 6 8 **IKS 30** 2 3	**3087** **3090**-5 -10 **3095**	3.1	**6229900**	30 IMU-3
U-10 **3093 U-10**	**30** 6 7 8 9 10 11 12 13 14 15 16 17 19 **IS 30** 5,5 8 **IN 30** 4 5 6 8 **IKS 30** 2 3	**3087** **3090**-5 -10 **3095**	3.1	**6229740**	30 IMU-10

D 30 KMU-20

SOCKET SET 3/8" 40 pieces

- With forged, tempered bi-hexagon UD profile sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With robust lever-change reversible ratchet with push-button release
- In sheet steel case with insert
- Dimensions: 320 x 210 x 55 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Ratchet	Sockets	Accessories	kg	Code	No.
U-20 **3093 U-20** **3093 U-3 T**	**D 30** 8 9 10 11 12 13 14 15 16 17 18 19 **680** 4 5,5 6,5 **685** 3 4 5 6 **685 X** 5 6 8 **687 TX** T10 T15 T20 T25 T27 T30 **690** 1 2 **690 PZD** 1 2	**3090** **KR**-3 **3090**-5 **630** **673** 10 **676** **699**	2.6	**1973347**	D 30 KMU-20

D 30 TX20 U-20

SOCKET SET 3/8" + 1/4" 50 pieces

- Tool set for general industrial and automotive applications
- 3/8" and 1/4" sockets for protruding and recessed TORX® screws
- With robust lever-change reversible ratchets, with push-button release
- In sheet steel case with Check-Tool insert
- Dimensions: 320 x 210 x 55 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Ratchet	Sockets	Accessories	kg	Code	No.
U-20 **3093 U-20** U-20 **2093 U-20**	**D 30** 10 11 12 13 14 15 16 17 18 19 21 22 **TX 30** E11 E12 E14 **ITX 30** T45 T50 **D 20** 4 5 5,5 6 7 8 9 10 12 13 **TX 20** E5 E6 E7 E8 E10 **687 TX** T10 T15 T20 T25 T27 T30 T40	**3090** 3.2 **KR**-3 **3090**-5 **2090** **KR**-2 **2090**-6 **620** **673** 6,3 10 **676** **699**		**2075695**	D 30 TX20 U-20

IN 30 LKM

SCREWDRIVER BIT SOCKET SET 3/8" 10 pieces

- For in-hex screws (INBUS®), short and long
- In plastic case
- Dimensions: 200 x 120 x 38 mm
- INBUS® = reg. trademark of Ruia Global Fasteners AG, 41462 Neuss, Germany

Sockets	kg	Code	No.
IN 30 4 5 6 8 10	0.761	**1509918**	IN 30 LKM
IN 30 L 4 5 6 8 10			

ITX 30 TX-015

SCREWDRIVER BIT SOCKET SET 3/8" 15 pieces

- For protruding and recessed TORX® screws
- In plastic case
- Dimensions: 200 x 120 x 38 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Sockets	kg	Code	No.
ITX 30 T20 T25 T27 T30 T40 T45 T50	0.801	**1509942**	ITX 30 TX-015
TX 30 E5 E6 E7 E8 E10 E11 E12 E14			

ITX 30 PM

SCREWDRIVER BIT SOCKET SET 3/8" 7 pieces

- For recessed TORX® screws
- In plastic case
- Dimensions: 200 x 120 x 38 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Sockets	kg	Code	No.
ITX 30 T20 T25 T27 T30 T40 T45 T50	0.627	**1509926**	ITX 30 PM

TX 30 E-08

SOCKET SET 3/8" 8 pieces

- For protruding TORX® screws
- In plastic case
- Dimensions: 160 x 95 x 38 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Sockets	kg	Code	No.
TX 30 E5 E6 E7 E8 E10 E11 E12 E14	0.485	**1509934**	TX 30 E-08

ITX 30 LKP

SCREWDRIVER BIT SOCKET SET 3/8" 14 pieces

- For recessed TORX® screws, short and long
- In plastic case
- Dimensions: 200 x 120 x 38 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Sockets	kg	Code	No.
ITX 30 T20 T25 T27 T30 T40 T45 T50	1.081	**1509950**	ITX 30 LKP
ITX 30 L T20 T25 T27 T30 T40 T45 T50			

30 TX 20

SCREWDRIVER BIT SOCKET SET 3/8" + 1/4" 28 pieces

- 3/8" and 1/4" sockets for protruding and recessed TORX® screws
- In plastic case
- Dimensions: 275 x 150 x 42 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Sockets	kg	Code	No.
3/8 **ITX 30 T25 T27 T30 T40 T45 T50**	1.484	**1509969**	30 TX 20
3/8 **ITX 30 L T20 T25 T27 T30 T40 T45 T50**			
3/8 **TX 30 E8 E10 E11 E12 E14**			
1/4 **ITX 20 T8 T9 T10 T15 T20**			
1/4 **TX 20 E4 E5 E6 E7**			
1/4 3/8 **2030**			

SETS 10 (3/8") INCH

D 30 JAU

SOCKET SET 3/8" 12 pieces

- With forged, tempered UD profile, hand-operated sockets
- With accessories made from GEDORE vanadium steel 31CrV3
- With reversible lever change ratchet
- In GEDORIT blue sheet steel case
- Dimensions: 320 x 132 x 55 mm

10 | 3/8" | UNI DRIVE | "AF

Ratchet	Sockets	Accessories	kg	Code	No.
U-10 **3093 U-10**	**D 30** 1/4 5/16 11/32 3/8 7/16 1/2 9/16 5/8 11/16 3/4"	**3090**-5	2.0	**2682907**	D 30 JAU-10

D 30 GAU

SOCKET SET 3/8" 17 pieces

- With forged, tempered UD profile, hand-operated sockets
- With accessories made from GEDORE vanadium steel 31CrV3
- With reversible lever change ratchet
- In GEDORIT blue sheet steel case
- Dimensions: 320 x 210 x 55 mm

10 | 3/8" | UNI DRIVE | "AF

Ratchet	Sockets	Accessories	kg	Code	No.
U-10 **3093 U-10**	**D 30** 1/4 9/32 5/16 11/32 3/8 7/16 1/2 9/16 19/32 5/8 11/16 3/4"	**3087** **3090**-5 -10 **3095**	2.6	**6239540**	D 30 GAU-10

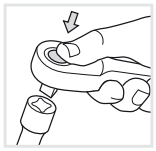
RATCHETS 10 (3/8")

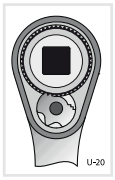
3093 U-20

REVERSIBLE RATCHET 3/8"

- Used throughout industry and the automotive world - and as well in confined spaces
- Acc. to DIN 3122, ISO 3315
- Small, drop shaped head for confined areas
- Fine-toothed (60 teeth), with lever change and push-button release
- Return angle 6 degrees
- Non-slip 2-component handle with hanging hole
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 10, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated

10 | 3/8"





"	■	°	mm	mm²	kg	Code	No.
3/8	10	6	200	29.7	0.292	**1556800**	3093 U-20

3093 U-10

REVERSIBLE RATCHET 3/8"

- Particularly for the demanding use experienced in industry and with utility vehicles
- Acc. to DIN 3122, ISO 3315
- With recessed lever change, locks in middle position, oval head
- Push-button release
- Return angle 11.25 degrees
- Non-slip 2-component handle with hanging hole
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 10, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated

10 | 3/8"

"	■	°	mm	mm²	kg	Code	No.
3/8	10	11,25	200	30.2	0.254	**6236950**	3093 U-10

3093 U-10 HL

REVERSIBLE RATCHET 3/8" HI-LOK®

- Especially for Hi-Lok® bolts (scrivets) in the aerospace industry
- Lever change ratchet with magnetic locking
- With recessed lever change, oval head
- For hand-operated sockets
- From GEDORE vanadium steel 31CrV3
- Hi-Lok® = reg. trademark of Hi-Shear Corporation, Ca. USA

10 | 3/8"

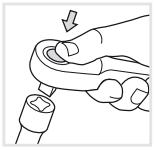
"	■	°	mm	mm²	kg	Code	No.
3/8	10	11,25	200	28	0.250	**2226286**	3093 U-10 HL

3093 ALU-10

ALUMINIUM REVERSIBLE RATCHET 3/8"

- Very lightweight, especially for work done above your head
- Design spec. similar to DIN 3122, ISO 3315
- Made from special-purpose drop-forged and hardened aluminium
- The mechanism as in all U-10 ratchets is made from high quality steel
- With recessed lever change
- Push-button release
- Return angle 11.25 degrees
- Non-slip 2-component handle with hanging hole
- Locks in the middle position: When the lever is flipped, it automatically engages for clockwise or counterclockwise operation
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 10, ISO 1174, ball locking device
- Extremely lightweight - just 160 g

10 | 3/8"



"	■	°	mm	mm²	kg	Code	No.
3/8	10	11,25	200	30.2	0.160	**1900005**	3093 ALU-10

3093 U-3

REVERSIBLE RATCHET 3/8"

- Especially for working in confined spaces, as in the automotive business
- Acc. to DIN 3122, ISO 3315
- With non-slip metal disc change, fine-toothed (72 teeth) and robust
- Return angle 5 degrees
- Non-slip 2-component handle with hanging hole
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 10, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated

10 | 3/8"

■"	■	∠°	⟷ mm ⟷	mm	kg	Code	No.
3/8	10	5	200	33.5	0.244	**6237090**	3093 U-3

3093 GU-3

SWIVEL HEAD REVERSIBLE RATCHET 3/8"

- Especially for use in the automotive sector
- Swivels through 180°, with joint lock
- With non-slip metal disc change, fine-toothed (72 teeth) and robust
- Return angle 5 degrees
- Non-slip 2-component handle with hanging hole
- Max. torque 200 N·m
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 10, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated

10 | 3/8"

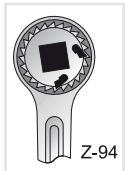
■"	■	∠°	⟷ mm ⟷	mm	kg	Code	No.
3/8	10	5	282	33.5	0.525	**6237170**	3093 GU-3

3093 Z-94

RATCHET HANDLE WITH COUPLER 3/8"

- Used throughout industry and the automotive world
- Acc. to DIN 3122, ISO 3315
- With square coupler, medium-fine toothed, extremely rugged
- Return angle 10 degrees
- Non-slip 2-component handle with hanging hole
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 10, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated

10 | 3/8"



■"	■	∠°	⟷ mm ⟷	mm	kg	Code	No.
3/8	10	10	200	18	0.223	**6237680**	3093 Z-94

3093 U-10 K

PLASTIC RATCHET 3/8"

10 | 3/8"

- For fast and easy tightening of bolted connections up to max. 70 N·m
- Very handy and compact, housing and handle form one unit
- Return angle 7.5 degrees
- Made from sturdy compound material with a steel mechanism
- Dimensions: 44 x 145 x 39 mm
- European-Patent-No. 1136187

■"	■	∠°	⟷ mm ⟷	kg	Code	No.
3/8	10	7,5	145	0.197	**6242090**	3093 U-10 K SCHWARZ

3093 U-3 T

RATCHET WITH T-HANDLE 3/8"

10 | 3/8"

- For progressing fast in confined spaces
- Two-wing T-handle
- Return angle 5 degrees
- Ergonomic design for comfortable working
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 10, ISO 1174, ball locking device
- The danger of the tool canting, when carrying out work with extensions, is reduced by the central positioning of the square drive

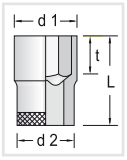
■"	■	∠°	⟷ mm ⟷	kg	Code	No.
3/8	10	5	140	0.068	**1973320**	3093 U-3 T

SOCKETS 10 (3/8")

30 (MM)

SOCKET 3/8" hexagon UD profile

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retention groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated
- * not standardised

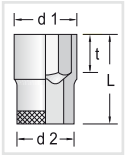


mm	*	L	d_1	d_2	t	kg	Code	No.
6	*	28	9.7	17.5	5.0	0.024	**6230160**	30 6
7		28	11.0	17.5	5.0	0.024	**6230240**	30 7
8		28	12.1	17.5	9.0	0.028	**6230320**	30 8
9		28	13.5	17.5	9.0	0.027	**6230400**	30 9
10		28	14.7	17.5	9.0	0.028	**6230590**	30 10
11		28	16.0	17.5	9.0	0.030	**6233850**	30 11
12		28	17.2	18.3	9.0	0.033	**6233930**	30 12
13		28	18.5	17.5	9.0	0.032	**6234070**	30 13
14		29	19.7	18.4	11.0	0.038	**6234150**	30 14
15		30	21.0	19.7	12.5	0.044	**6234230**	30 15
16		30	22.2	21.0	12.5	0.049	**6234310**	30 16
17		30	23.5	22.3	12.5	0.057	**6234580**	30 17
18		30	24.7	23.0	12.5	0.062	**6234660**	30 18
19		30	26.0	23.7	12.5	0.068	**6234740**	30 19
20		31	27.2	24.5	12.5	0.078	**6234820**	30 20
21		31	28.5	25.8	13.5	0.086	**6234900**	30 21
22		32	29.7	26.3	14.5	0.092	**6235040**	30 22
24	*	33	32.0	28.0	15.5	0.120	**2194783**	30 24

30 (AF)

SOCKET 3/8" hexagon UD profile

- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retention groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

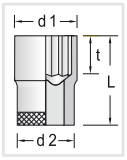


"AF	L	d_1	d_2	t	kg	Code	No.
1/4	28	10.1	17.5	5.0	0.023	**6232100**	30 1/4AF
5/16	28	12.1	17.5	9.0	0.025	**6232370**	30 5/16AF
11/32	28	13.1	17.5	9.0	0.025	**6232450**	30 11/32AF
3/8	28	14.1	17.5	9.0	0.026	**6232530**	30 3/8AF
7/16	28	16.1	17.5	9.0	0.028	**2101025**	30 7/16AF
1/2	28	18.1	19.2	9.0	0.035	**2101033**	30 1/2AF
9/16	29	20.1	18.7	11.0	0.039	**2101041**	30 9/16AF
19/32	30	21.0	19.7	12.5	0.044	**2101068**	30 19/32AF
5/8	30	22.1	20.7	12.5	0.048	**2101076**	30 5/8AF
11/16	30	24.0	22.7	12.5	0.060	**2101084**	30 11/16AF
3/4	30	26.0	23.7	12.5	0.065	**2101092**	30 3/4AF
7/8	32	30.0	26.5	14.5	0.120	**2101106**	30 7/8AF

D 30 (MM)

SOCKET 3/8" bi-hexagon UD profile

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retention groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated
- * not standardised

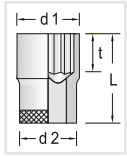


mm	*	L	d_1	d_2	t	kg	Code	No.
6	*	28	9.7	17.5	5.0	0.111	**1845705**	D 30 6
7		28	11.0	17.5	5.0	0.024	**1845713**	D 30 7
8		28	12.1	17.5	9.0	0.026	**1845721**	D 30 8
9		28	13.5	17.5	9.0	0.027	**1845748**	D 30 9
10		28	14.7	17.5	9.0	0.028	**6229230**	D 30 10
11		28	16.0	17.5	9.0	0.030	**6230670**	D 30 11
12		28	17.2	18.3	9.0	0.032	**6230750**	D 30 12
13		28	18.5	17.5	9.0	0.031	**6230830**	D 30 13
14		29	19.7	18.4	11.0	0.037	**6230910**	D 30 14
15		30	21.0	19.7	12.5	0.040	**6231050**	D 30 15
16		30	22.2	21.0	12.5	0.049	**6231130**	D 30 16
17		30	23.5	22.3	12.5	0.054	**6231210**	D 30 17
18		30	24.7	23.0	12.5	0.062	**6231480**	D 30 18
19		30	26.0	23.7	12.5	0.064	**6231560**	D 30 19
20		31	27.2	24.5	12.5	0.074	**6231640**	D 30 20
21		31	28.5	25.8	13.5	0.083	**6231720**	D 30 21
22		32	29.7	26.3	14.5	0.087	**6231800**	D 30 22
24	*	33	32.0	28.0	15.5	0.100	**2194864**	D 30 24

D 30 (AF)

SOCKET 3/8" bi-hexagon UD profile

- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retention groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

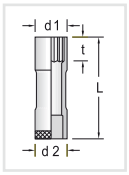


"AF	L	d_1	d_2	t	kg	Code	No.
1/4	28	10.1	17.5	5.0	0.050	**2016613**	D 30 1/4AF
9/32	28	11.1	17.5	5.0	0.020	**2101009**	D 30 9/32AF
5/16	28	12.1	17.5	5.0	0.020	**1997122**	D 30 5/16AF
11/32	28	13.1	17.5	9.0	0.026	**2101017**	D 30 11/32AF
3/8	28	14.1	17.5	9.0	0.010	**1997130**	D 30 3/8AF
13/32	28	15.0	17.5	9.0	0.030	**1997149**	D 30 13/32AF
7/16	28	16.1	17.5	9.0	0.027	**6232610**	D 30 7/16AF
1/2	28	18.1	19.2	9.0	0.034	**6232880**	D 30 1/2AF
9/16	29	20.1	18.7	11.0	0.036	**6232960**	D 30 9/16AF
19/32	30	21.0	19.7	12.5	0.039	**6233180**	D 30 19/32AF
5/8	30	22.1	20.7	12.5	0.044	**6233260**	D 30 5/8AF
11/16	30	24.0	22.7	12.5	0.053	**6233340**	D 30 11/16AF
3/4	30	26.0	23.7	12.5	0.061	**6233420**	D 30 3/4AF
25/32	31	27.0	24.3	12.5	0.075	**1997157**	D 30 25/32AF
13/16	31	28.0	25.3	12.5	0.080	**1997165**	D 30 13/16AF
7/8	32	30.0	26.5	14.5	0.082	**6232020**	D 30 7/8AF
15/16	33	31.9	28.0	15.5	0.110	**1997173**	D 30 15/16AF
1	33	33.9	30.0	15.5	0.120	**1983296**	D 30 1AF

D 30 L (MM)

SOCKET 3/8" bi-hexagon UD profile, long pattern

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

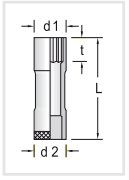


mm	L	d_1	d_2	t	kg	Code	No.
10	63.5	14.7	17.5	11	0.053	**6258330**	D 30 L 10
11	63.5	16.0	17.5	12	0.054	**6258410**	D 30 L 11
12	63.5	17.2	17.5	14	0.059	**6258680**	D 30 L 12
13	63.5	18.5	19.0	14	0.070	**6258760**	D 30 L 13
14	63.5	19.7	19.5	17	0.076	**6258840**	D 30 L 14
15	63.5	21.0	20.5	17	0.095	**6258920**	D 30 L 15
16	63.5	22.2	22.0	17	0.085	**6259060**	D 30 L 16
17	63.5	23.5	20.5	17	0.096	**6259140**	D 30 L 17
18	63.5	24.7	21.5	20	0.113	**6259220**	D 30 L 18
19	63.5	26.0	22.0	20	0.124	**6259300**	D 30 L 19
20	63.5	27.2	23.5	20	0.127	**6259490**	D 30 L 20
21	63.5	28.5	23.5	20	0.134	**6259570**	D 30 L 21
22	63.5	29.7	23.5	23	0.136	**6259650**	D 30 L 22

D 30 L (AF)

SOCKET 3/8" bi-hexagon UD profile, long pattern

- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

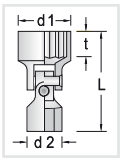


"AF	L	d_1	d_2	t	kg	Code	No.
3/8	63.5	14.1	17.5	11	0.051	**6259730**	D 30 L 3/8AF
7/16	63.5	16.1	17.5	12	0.053	**6259810**	D 30 L 7/16AF
1/2	63.5	18.1	19.0	14	0.065	**6260070**	D 30 L 1/2AF
9/16	63.5	20.1	19.5	17	0.073	**6260150**	D 30 L 9/16AF
5/8	63.5	22.1	22.0	17	0.092	**6260230**	D 30 L 5/8AF
11/16	63.5	24.0	20.5	17	0.090	**6260310**	D 30 L 11/16AF
3/4	63.5	26.0	22.0	20	0.109	**6260580**	D 30 L 3/4AF
13/16	63.5	28.3	23.5	20	0.132	**6260660**	D 30 L 13/16AF
7/8	63.5	30.0	23.5	23	0.134	**6260740**	D 30 L 7/8AF

DG 30

SWIVEL SOCKET 3/8" bi-hexagon UD profile

- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated
- Chrome-vanadium steel 31CrV3, chrome-plated

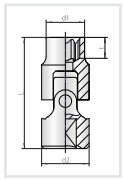


mm	L	d_1	d_2	t	kg	Code	No.
10	41.5	14.7	19	8.0	0.042	**6240630**	DG 30 10
13	42.5	18.5	19	9.0	0.050	**6241520**	DG 30 13
14	43.5	19.7	19	10.0	0.054	**6241600**	DG 30 14
15	45.5	21.0	19	11.0	0.048	**6241790**	DG 30 15
17	46.0	23.5	19	12.0	0.061	**6241950**	DG 30 17
18	46.0	24.7	19	12.5	0.063	**6242410**	DG 30 18
19	46.5	26.0	19	12.5	0.064	**6242680**	DG 30 19

TXG 30

SWIVEL HEAD SOCKET 3/8" for protruding TORX® head screws

- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated
- Chrome-vanadium steel 31CrV3, chrome-plated
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

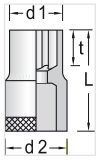


	M	mm	L	d_1	d_2	t	kg	Code	No.
E8	M6 - M7	7.52	44.5	10.8	19	6.0	0.045	**2195321**	TXG 30 E8

TX 30

SOCKET 3/8" for protruding TORX® head screws

- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



	M	mm	L	d_1	d_2	t	kg	Code	No.
E5	M4	4,73	28	7.2	17.5	5.0	0.025	**6250270**	TX 30 E5
E6	M5	5,74	28	8.5	17.5	5.0	0.025	**6250350**	TX 30 E6
E7	M6	6,16	28	9.5	17.5	5.5	0.025	**6250430**	TX 30 E7
E8	M6 - M7	7,52	28	10.8	17.5	6.0	0.027	**6250510**	TX 30 E8
E10	M8	9,42	28	13.2	17.5	9.0	0.029	**6250780**	TX 30 E10
E11	-	10,08	28	13.8	17.5	9.0	0.030	**6250860**	TX 30 E11
E12	M10	11,17	28	15.2	17.5	9.0	0.032	**6250940**	TX 30 E12
E14	M12	12,90	28	16.8	18.3	9.0	0.035	**6251080**	TX 30 E14

1500 ES-ITX 30 108

ITX 30

SCREWDRIVER BIT SOCKET 3/8" for recessed TORX® head screws

- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

	M	mm	L_1	L_2	d	kg	Code	No.
T20	M4 - M5	3,86	49	17	17.5	0.050	**6246320**	ITX 30 T20
T25	M4,5 - M5	4,43	49	17	17.5	0.051	**6246830**	ITX 30 T25
T27	M4,5 - M6	4,99	49	17	17.5	0.051	**6247210**	ITX 30 T27
T30	M6 - M7	5,52	49	17	17.5	0.051	**6247560**	ITX 30 T30
T40	M7 - M8	6,65	49	17	17.5	0.052	**6247720**	ITX 30 T40
T45	M8 - M10	7,82	49	17	17.5	0.053	**6247800**	ITX 30 T45
T50	M10	8,83	49	17	19.0	0.070	**6247990**	ITX 30 T50

ITX 30 L

SCREWDRIVER BIT SOCKET 3/8" for recessed TORX® head screws, long pattern

- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

	M	mm	L_1	L_2	d	kg	Code	No.
T20	M4 - M5	3,86	94	62	17.5	0.070	**1394177**	ITX 30 L T20
T25	M4,5 - M5	4,43	94	62	17.5	0.070	**1394185**	ITX 30 L T25
T27	M4,5 - M6	4,99	94	62	17.5	0.070	**1394193**	ITX 30 L T27
T30	M6 - M7	5,52	94	62	17.5	0.071	**1394207**	ITX 30 L T30
T40	M7 - M8	6,65	94	62	17.5	0.070	**1394215**	ITX 30 L T40
T45	M8 - M10	7,82	94	62	17.5	0.071	**1394223**	ITX 30 L T45
T50	M10	8,83	94	62	19.0	0.099	**1394231**	ITX 30 L T50

ITX 30 B

SCREWDRIVER BIT SOCKET 3/8" for recessed TORX® head screws with pilot

- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

	M	mm	L_1	L_2	d	Bore	kg	Code	No.
T20	M4 - M5	3,86	49	17	17.5	1,55 x 1,86	0.046	**1440969**	ITX 30 B T20
T25	M4,5 - M5	4,43	49	17	17.5	1,93 x 2,04	0.048	**1440977**	ITX 30 B T25
T27	M4,5 - M6	4,99	49	17	17.5	2,18 x 2,29	0.048	**1440985**	ITX 30 B T27
T30	M6 - M7	5,52	49	17	17.5	2,56 x 2,92	0.048	**1440993**	ITX 30 B T30
T40	M7 - M8	6,65	49	17	19.0	2,92 x 3,28	0.064	**1429701**	ITX 30 B T40
T45	M8 - M10	7,82	49	17	19.0	3,45 x 3,68	0.066	**1441000**	ITX 30 B T45
T50	M10	8,83	49	17	20.5	3,83 x 3,78	0.078	**1441019**	ITX 30 B T50

IS 30

SCREWDRIVER BIT SOCKET 3/8" for slotted head screws

- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, manganese-phosphated
- Blade as per DIN ISO 2380-1, Form B

mm	mm	L_1	L_2	d	kg	Code	No.
5.5	1.0	55	27	17.5	0.040	**6666100**	IS 30 5,5x1
6.5	1.2	55	27	17.5	0.039	**1640895**	IS 30 6,5x1,2
8.0	1.2	55	23	17.5	0.054	**6666290**	IS 30 8x1,2
10.0	1.6	55	23	19.0	0.072	**6666370**	IS 30 10x1,6
12.0	2.0	55	23	20.5	0.083	**1640909**	IS 30 12x2

IKS 30

SCREWDRIVER BIT SOCKET 3/8" for cross-head screws PH

- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, gun-metal finish
- Tip as per DIN ISO 8764-1 PH

PH	L_1	L_2	d	kg	Code	No.
1	55	27	17.5	0.041	**6666610**	IKS 30 1
2	55	23	17.5	0.052	**6666880**	IKS 30 2
3	55	23	19.0	0.070	**6666960**	IKS 30 3

IKS 30 PZD

SCREWDRIVER BIT SOCKET 3/8" for cross-head screws Pozi PZ

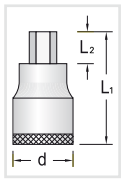
- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, gun-metal finish
- Tip as per DIN ISO 8764-1 PZ

PZ	L_1	L_2	d	kg	Code	No.
1	55	27	17.5	0.040	**1640968**	IKS 30 PZD 1
2	55	23	17.5	0.051	**1640976**	IKS 30 PZD 2
3	55	23	19.0	0.069	**1640984**	IKS 30 PZD 3

IN 30 (MM)

SCREWDRIVER BIT SOCKET 3/8" for in-hex screws

- Acc. to DIN 7422
- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, manganese-phosphated
- * not standardised

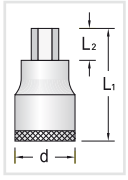


mm	*	L_1	L_2	d	kg	Code	No.
4		47	19	17.5	0.038	**6241010**	IN 30 4
5		47	19	17.5	0.039	**6241280**	IN 30 5
6		47	19	17.5	0.041	**6241360**	IN 30 6
7	*	47	19	17.5	0.041	**1643037**	IN 30 7
8		49	17	17.5	0.053	**6241440**	IN 30 8
10		49	17	19.0	0.073	**6242920**	IN 30 10

IN 30 (AF)

SCREWDRIVER BIT SOCKET 3/8" for in-hex screws

- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, manganese-phosphated

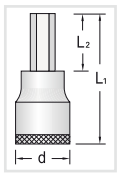


"AF	L_1	L_2	d	kg	Code	No.
1/8	47	19	17.5	0.035	**2195208**	IN 30 1/8AF
5/32	47	19	17.5	0.040	**2195232**	IN 30 5/32AF
3/16	47	19	17.5	0.040	**2195267**	IN 30 3/16AF
1/4	47	19	17.5	0.049	**1193422**	IN 30 1/4AF
5/16	49	17	17.5	0.054	**1193431**	IN 30 5/16AF
3/8	49	17	19.0	0.050	**1193449**	IN 30 3/8AF

IN 30 L

SCREWDRIVER BIT SOCKET 3/8" for in-hex screws, long pattern

- Acc. to DIN 7422
- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, manganese-phosphated

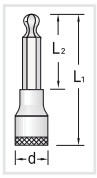


mm	L_1	L_2	d	kg	Code	No.
4	95	67	17.5	0.044	**1510118**	IN 30 L 4-95
5	95	67	17.5	0.048	**1394347**	IN 30 L 5-95
6	95	67	17.5	0.053	**1394355**	IN 30 L 6-95
7	95	67	17.5	0.058	**1394363**	IN 30 L 7-95
8	95	63	17.5	0.074	**1394371**	IN 30 L 8-95
10	95	63	19.0	0.105	**1394398**	IN 30 L 10-95

IN 30 LK

SCREWDRIVER BIT SOCKET 3/8" with ball end, for in-hex screws, long pattern

- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, gun-metal finish
- Total swivel angle approx. 15-20°

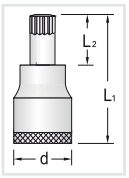


mm	L_1	L_2	d	kg	Code	No.
4	132	104	17.5	0.048	**1505718**	IN 30 LK 4
5	132	104	17.5	0.054	**1505726**	IN 30 LK 5
6	132	104	17.5	0.061	**1505742**	IN 30 LK 6
8	134	102	17.5	0.091	**1505750**	IN 30 LK 8
10	134	102	19.0	0.130	**1505769**	IN 30 LK 10

INX 30

SCREWDRIVER BIT SOCKET 3/8" for multi-point screws XZN

- Acc. to DIN 2324
- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, manganese-phosphated
- Tip as per DIN 2325

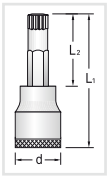


M	L_1	L_2	d	kg	Code	No.
M5	49	17	17.5	0.050	**6242170**	INX 30 5
M6	49	17	17.5	0.051	**6242250**	INX 30 6
M8	49	17	17.5	0.053	**6242330**	INX 30 8
M10	49	17	19.0	0.078	**2194872**	INX 30 10

INX 30 L

SCREWDRIVER BIT SOCKET 3/8" for multi-point screws XZN, long pattern

- Acc. to DIN 2324
- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, manganese-phosphated
- Tip as per DIN 2325



M	L_1	L_2	d	kg	Code	No.
M6	94	62	17.5	0.068	**1394312**	INX 30 L 6
M8	94	62	17.5	0.071	**1394320**	INX 30 L 8
M10	94	62	19.0	0.079	**1394339**	INX 30 L 10

ACCESSORIES 10 (3/8")

3019

CONVERTOR 3/8" TO 1/2"

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

□"	□	■"	■	mm	kg	Code	No.
3/8	10	1/2	12.5	35	0.053	**6236010**	3019

3020

REDUCER 3/8" TO 1/4"

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

□"	□	■"	■	mm	kg	Code	No.
3/8	10	1/4	6.3	28	0.026	**6236280**	3020

S 2032-05 182

3081

L-HANDLE 3/8"

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

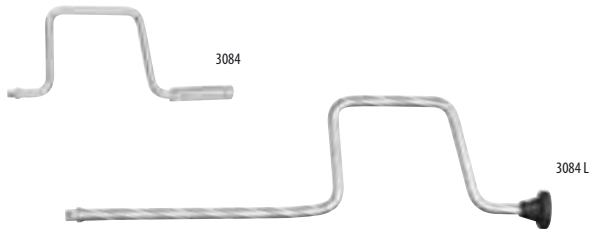
■"	■	mm	kg	Code	No.
3/8	10	180	0.153	**6236360**	3081

3084

SPEED BRACE 3/8"

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated
- No. 3084 L for applications e.g. in the aviation sector

10 | 3/8"



■"	■	⊢ mm ⊣	kg	Code	No.
3/8	10	288	0.423	**6236440**	3084
3/8	10	463	0.568	**1965395**	3084 L

3087

SLIDING T BAR 3/8"

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

10 | 3/8"

■"	■	⊢ mm ⊣	kg	Code	No.
3/8	10	163	0.164	**6236520**	3087

3087 A

SLIDING T BAR WITH RELEASE 3/8"

- Secured against unintentional removal
- GEDORE vanadium steel 31CrV3, polished, chrome-plated
- Turn handle for easy locking and releasing
- Accidental release when working is prevented because of the asymmetrical release point
- Particularly useful for work in sensitive areas where certainty against loss is a theme
- Examples: Aircraft engine, work in deep machine bodies
- DBGM (German utility patent)

10 | 3/8"

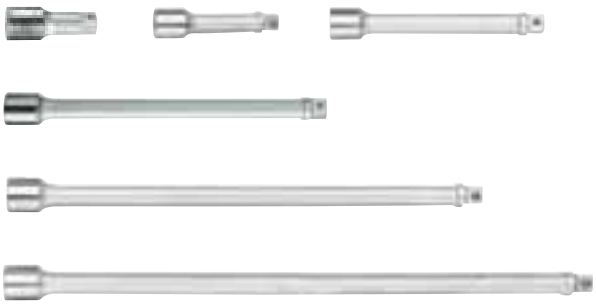
■"	■	⊢ mm ⊣	kg	Code	No.
3/8	10	163	0.135	**1871633**	3087 A

3090

EXTENSION 3/8"

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated
- * not standardised

10 | 3/8"



■"	■	*	⊢ mm ⊣	kg	Code	No.
3/8	10	*	50	0.063	**1476637**	3090-2
3/8	10		76	0.093	**6236600**	3090-3
3/8	10		125	0.117	**6236790**	3090-5
3/8	10	*	180	0.164	**1476645**	3090-7
3/8	10		250	0.222	**6236870**	3090-10
3/8	10	*	305	0.287	**6238570**	3090-12
3/8	10	*	500	0.524	**1476653**	3090-20

3090 A

EXTENSION 3/8" with release

- Easy access to deep-fitting screws in confined areas
- No unintentional release of the socket from the extension due to safety ring
- For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, with ball locking device

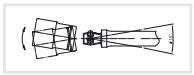
10 | 3/8"

■"	■	⊢ mm ⊣	kg	Code	No.
3/8	10	125	0.120	**1932314**	3090 A-5
3/8	10	250	0.210	**1932322**	3090 A-10

3090 KR

UNIVERSAL EXTENSION 3/8"

- With ball end
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- The extension is able to pivot up to 15°
- GEDORE vanadium steel 31CrV3, polished, chrome-plated



■ "	■	mm	kg	Code	No.
3/8	10	76	0.080	**1874381**	3090 KR-3
3/8	10	125	0.108	**1845756**	3090 KR-5
3/8	10	250	0.197	**1845764**	3090 KR-10

3094

COUPLER 3/8"

- Acc. to DIN 3122, ISO 3316
- For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

■ "	■	mm	kg	Code	No.
3/8	10	29	0.020	**6237760**	3094

3095

UNIVERSAL JOINT 3/8"

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

■ "	■	□ "	□	mm	kg	Code	No.
3/8	10	3/8	10	50	0.053	**6238140**	3095

3096

SWIVEL HANDLE 3/8"

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

■ "	■	mm	kg	Code	No.
3/8	10	254	0.201	**6238220**	3096

3098

SWIVEL HANDLE 3/8"

- For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

■ "	■	mm	kg	Code	No.
3/8	10	450	0.364	**6182410**	3098

SL 3014

TOOL HOLDING RAIL, MAGNETIC 3/8" empty

- External squares to take 14 standard commercial 10 mm (3/8") sockets
- Two female square adaptors to take ratchets, sliding T bars, extensions etc.
- A strong magnet securely holds the socket rail to ferrous metals
- Additional holes are provided for wall mounting the socket rail or attaching to non-ferrous materials
- The sockets are securely locked by the ball at the square-drive end by turning them 90°
- It is a simple matter to "unlock" and remove the sockets, by turning them 90° in the opposing direction
- Delivery without tools

mm	mm	kg	Code	No.
480	33	0.479	**1761099**	SL 3014

VH 30

SPRING STEEL SOCKET RAIL 3/8"

- For 14 3/8" sockets
- Delivery without tools

mm	kg	Code	No.
405	0.067	**5164810**	VH 30

19 KMU / D 19 KMU

SOCKET SET 1/2" 13 pieces

- With forged, tempered hexagon (no.19) or UD profile sockets (no. D 19), hand-operated
- With accessories made from GEDORE vanadium steel 31CrV
- With robust lever-change reversible ratchet, with push-button release
- In GEDORIT blue sheet steel case
- Dimensions: 320 x 132 x 55 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-20 **1993 U-20**	**19** 10 12 13 14 15 16 17 18 19 22 24	**1990**-5	2.9	**2545810**	19 KMU-20
U-20 **1993 U-20**	**D 19** 10 12 13 14 15 16 17 18 19 22 24	**1990**-5	2.9	**2545829**	D 19 KMU-20

19 JMU / D 19 JMU

SOCKET SET 1/2" 19 pieces

- With forged, tempered hexagon (no.19) or UD profile sockets (no. D 19), hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With fine toothed, dial change ratchet
- In GEDORIT blue sheet steel case
- Dimensions: 320 x 210 x 55 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-3 **1993 U-3**	**19** 8 9 10 11 12 13 14 15 16 17 18 19 21 22 24	**1990**-5 -10 **1995**	3.7	**2682842**	19 JMU-3
U-3 **1993 U-3**	**D 19** 8 9 10 11 12 13 14 15 16 17 18 19 21 22 24	**1990**-5 -10 **1995**	3.7	**2682850**	D 19 JMU-3

19 EMU / D 19 EMU

SOCKET SET 1/2" 23 pieces

- With forged, tempered hexagon (no.19) or UD profile sockets (no. D 19), hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- Set U-20 with robust lever-change reversible ratchet, with push-button release
- Set U-3 with fine toothed, dial change ratchet
- In GEDORIT blue sheet steel case
- Dimensions: 425 x 277 x 55 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-20 **1993 U-20**	**19** 8 9 10 11 12 13 14 15 16 17 18 19 21 22 24 27 30 32	**1987** **1990**-5 -10 **1995**	6.8	**2545837**	19 EMU-20
U-20 **1993 U-20**	**D 19** 8 9 10 11 12 13 14 15 16 17 18 19 21 22 24 27 30 32	**1987** **1990**-5 -10 **1995**	6.7	**2545845**	D 19 EMU-20
U-3 **1993 U-3**	**19** 8 9 10 11 12 13 14 15 16 17 18 19 21 22 24 27 30 32	**1987** **1990**-5 -10 **1995**	6.8	**2545853**	19 EMU-3
U-3 **1993 U-3**	**D 19** 8 9 10 11 12 13 14 15 16 17 18 19 21 22 24 27 30 32	**1987** **1990**-5 -10 **1995**	6.6	**2545861**	D 19 EMU-3

19 TMU / D 19 TMU

SOCKET SET 1/2" 25 pieces

- With forged, tempered hexagon (no.19) or UD profile sockets (no. D 19), hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With reversible lever change ratchet, with push-button release
- In GEDORIT blue sheet steel case
- Dimensions: 425 x 277 x 55 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-10T **1993 U-10 T**	**19** 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32	**1985** **1987** **1990**-5 -10 **1995**	7.8	**6151880**	19 TMU-10
U-10T **1993 U-10 T**	**D 19** 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32	**1985** **1987** **1990**-5 -10 **1995**	7.7	**6151960**	D 19 TMU-10

19 VMU / D 19 VMU

SOCKET SET 1/2" 28 pieces

- With forged, tempered hexagon (no.19) or UD profile sockets (no. D 19), hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With reversible lever change ratchet, with push-button release
- In GEDORIT blue sheet steel case
- Dimensions: 425 x 277 x 55 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-10T **1993 U-10 T**	**19** 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 26 27 28 30 32 33 34 36	**1987** **1990**-5 -10 **1995**	7.8	**2682869**	19 VMU-10
U-10T **1993 U-10 T**	**D 19** 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 26 27 28 30 32 33 34 36	**1987** **1990**-5 -10 **1995**	7.8	**2682877**	D 19 VMU-10

19 LMU-10

SOCKET SET 1/2" 31 pieces

- With forged, tempered UD profile sockets, hand-operated
- Impact sockets with protective sleeve
- With accessories made from GEDORE vanadium steel 31CrV3
- With reversible lever change ratchet, with push-button release
- In GEDORIT blue sheet steel case
- Dimensions: 425 x 277 x 55 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-10T **1993 U-10 T**	**19** 10 11 12 13 14 15 16 17 18 19 21 22 24 27 32 36 **D 19 L** 10 12 13 14 15 16 18 24 **K 19 LS** 17 19 21 22	**1990**-5 -10	8.3	**1806033**	19 LMU-10

19 RMU-10

SOCKET SET 1/2" 32 pieces

- With forged, tempered hexagon UD profile sockets, hand-operated
- With combination ratchet spanner no. 7 R for ratchet loosening and fast tightening
- With accessories made from GEDORE vanadium steel 31CrV3
- With reversible lever change ratchet, with push-button release
- In GEDORIT blue sheet steel case
- Dimensions: 425 x 277 x 55 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-10 **T 1993 U-10 T**	**19** 8 10 11 12 13 14 15 16 17 18 19 21 22 24 27 32 36 **7 R** 8 10 11 12 13 14 15 16 17 18 19	**1990**-5 -10 **1995**	7.7	**6145210**	19 RMU-10

IN 19 Q

SCREWDRIVER BIT SOCKET SET 1/2" 11 pieces

- For in-hex screws (INBUS®)
- In GEDORIT blue sheet steel case
- Dimensions: 320 x 210 x 55 mm
- INBUS® = reg. trademark of Ruia Global Fasteners AG, 41462 Neuss, Germany

Ratchet	Sockets	Accessories	kg	Code	No.
U-10 **T 1993 U-10 T**	**IN 19** 5 6 7 8 9 10 12 14 17	**1990**-10	3.3	**6156920**	IN 19 Q

19 IMU / D 19 IMU

SOCKET SET 1/2" 27 pieces

- With forged, tempered hexagon (no.19) or UD profile sockets (no. D 19), hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With reversible lever change ratchet, with push-button release
- In GEDORIT blue sheet steel case
- Dimensions: 425 x 277 x 55 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-10 **T 1993 U-10 T**	**19** 10 11 12 13 14 15 17 19 22 24 27 30 **IN 19** 5 6 7 8 10 12 14 **IS 19** 8 10 **IKS 19** 2 3	**1990**-5 -10 **1995**	6.9	**6139750**	19 IMU-10
U-10 **T 1993 U-10 T**	**D 19** 10 11 12 13 14 15 17 19 22 24 27 30 **IN 19** 5 6 7 8 10 12 14 **IS 19** 8 10 **IKS 19** 2 3	**1990**-5 -10 **1995**	6.8	**6140090**	D 19 IMU-10

ITX 19 TXU-20

SOCKET SET 1/2" 25 pieces

- For protruding and recessed TORX® screws
- In GEDORIT blue sheet steel case
- Dimensions: 425 x 277 x 55 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Ratchet	Sockets	Accessories	kg	Code	No.
U-20 **1993 U-20**	**ITX 19** T20 T25 T27 T30 T40 T45 T50 T55 T60 **TX 19** E10 E11 E12 E14 E16 E18 E20 E24 **TX 4** E6xE8 E10xE12 E14xE18 E20xE24	**1990**-5 -10 **1995**	6.4	**2546019**	ITX 19 TXU-20

ITX 19 INU-20

SOCKET SET 1/2" 42 pieces

- For protruding and recessed TORX® screws and in-hex screws (INBUS®)
- In GEDORIT blue sheet steel case
- Dimensions: 425 x 277 x 55 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA
- INBUS® = reg. trademark of Ruia Global Fasteners AG, 41462 Neuss, Germany

Ratchet	Sockets	Accessories	kg	Code	No.
U-20 **1993 U-20**	**19** 10 11 12 13 14 15 16 17 18 19 21 22 24 27 30 32 **IN 19** 5 6 7 8 9 10 12 14 17 **TX 19** E10 E12 E14 E16 E18 E20 E24 **ITX 19** T20 T25 T27 T30 T40 T45 T50 T55 T60	**1990 KR**-10	8.2	**2546000**	ITX 19 INU-20

19 V20U-10

SOCKET SET 1/4"-1/2" 50 pieces

- With forged, tempered hexagon or UD profile sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- 1/4" with fine toothed, dial change ratchet U-3
- 1/2" with reversible lever change ratchet U-10 T
- In GEDORIT blue sheet steel case
- Dimensions: 425 x 277 x 55 mm

Ratchet	Sockets	Accessories	kg	Code	No.
½ U-10**T** **1993 U-10 T**	½ **19** 10 11 12 13 14 15 17 19 22 24 27 30 ½ **IN 19** 7 8 10 12 14	½ **1990**-5 -10 ½ **1995**	7.2	**6157490**	19 V20U-10
¼ U-3 **2093 U-3**	½ **IS 19** 8 10 ½ **IKS 19** 3 ¼ **20** 4 4,5 5 5,5 6 7 8 9 10 11 13 ¼ **IN 20** 3 4 5 6 ¼ **IS 20** 4 5,5 6,5 ¼ **IKS 20** 1 2	¼ **2098** ¼ **2090**-2 -4 ¼ **2087** ¼ **2095**			

19 V20U-20

SOCKET SET 1/4"-1/2" 81 pieces

- With forged, tempered sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With robust lever-change reversible ratchet, with push-button release
- In GEDORIT blue sheet steel case
- Dimensions: 425 x 277 x 55 mm

Ratchet	Sockets	Accessories	kg	Code	No.
½ U-20 **1993 U-20**	½ **19** 10 11 12 13 14 15 16 17 18 19 21 22 24 27 30 32 36	½ **1990 KR**-5 -10	7.4	**1550691**	19 V20U-20
½ U-20 **2093 U-20**	¼ **D 20** 4 5 5,5 6 7 8 9 10 11 12 13	¼ **2090**-4			
	680 4 4,5 5,5 6,5	¼ **2095**			
	685 2 2,5 3 4 5 6 8	**620**			
	685 X 5 6 8	**676**			
	687 TX T10 T15 T20 T25 T27 T30 T40	**699**			
	690 1 2 3	**KB 819**			
	690 PZD 1 2 3				
	885 3 4 5 6 8 10				
	885 X 5 6 8 10 12				
	887 TX T27 T30 T40 T45 T50				

D 19 L-015

SOCKET SET 1/2" 15 pieces

- With forged, tempered UD profile sockets, hand-operated
- In GEDORIT blue sheet steel case
- Dimensions: 320 x 210 x 55 mm

Sockets	kg	Code	No.
D 19 L 10 12 13 14 15 16 17 18 19 21 22 24 27 30 32	4.3	**2190214**	D 19 L-015

IN 19 PM

SCREWDRIVER BIT SOCKET SET 1/2" 9 pieces

- For in-hex screws (INBUS®)
- In GEDORIT blue sheet steel case
- Dimensions: 281 x 79 x 35 mm
- INBUS® = reg. trademark of Ruia Global Fasteners AG, 41462 Neuss, Germany

Sockets	kg	Code	No.
IN 19 5 6 7 8 9 10 12 14 17	1.362	**6156250**	IN 19 PM

INX 19 PM

SCREWDRIVER BIT SOCKET SET 1/2" 9 pieces

- For slotted, cross-head and multi-point screws
- In GEDORIT blue sheet steel case
- Dimensions: 281 x 79 x 35 mm

Sockets	kg	Code	No.
INX 19 5 6 8 10 12	1.3	**6150050**	INX 19 PM
IKS 19 2 3			
IS 19 12 16			

ITX 19 PM / ITX 19 B-PM

SCREWDRIVER BIT SOCKET SET 1/2" 9 pieces

- ITX 19 PM: for recessed TORX® head screws
- ITX 19 B-PM: for recessed TORX® head screws with pilot
- In GEDORIT blue sheet steel case
- Dimensions: 281 x 79 x 35 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Sockets	kg	Code	No.
ITX 19 T20 T25 T27 T30 T40 T45 T50 T55 T60	1.2	**6158970**	ITX 19 PM
ITX 19 B T20 T25 T27 T30 T40 T45 T50 T55 T60	1.3	**1394894**	ITX 19 B-PM

IN 19 LKM

SCREWDRIVER BIT SOCKET SET 1/2" 15 pieces

- For in-hex screws (INBUS®), short and long
- In GEDORIT blue sheet steel case
- Dimensions: 320 x 210 x 55 mm
- INBUS® = reg. trademark of Ruia Global Fasteners AG, 41462 Neuss, Germany

Sockets	kg	Code	No.
IN 19 5 6 7 8 9 10 12 14 17	3.2	**6129360**	IN 19 LKM
IN 19 L 5-90 6-90 8-90 10-140 12-140 14-140			

TX 19 E-09

SOCKET SET 1/2" 9 pieces

- For protruding TORX® screws
- With convertor 3/8" to 1/2"
- In plastic case
- Dimensions: 200 x 120 x 38 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Sockets	kg	Code	No.
TX 19 E10 E11 E12 E14 E16 E18 E20 E24	1.0	**6265970**	TX 19 E-09
3019			

ITX 19 TX-017

SCREWDRIVER BIT SOCKET SET 1/2" 17 pieces

- For protruding and recessed TORX® screws
- In GEDORIT blue sheet steel case
- Dimensions: 320 x 210 x 55 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Sockets	kg	Code	No.
ITX 19 T20 T25 T27 T30 T40 T45 T50 T55 T60 TX 19 E10 E11 E12 E14 E16 E18 E20 E24	2.8	**6129520**	ITX 19 TX-017

ITX 19-20-30 T

SCREWDRIVER BIT SOCKET SET 1/2" 10 pieces

- 1/4", 3/8" and 1/2" sockets for recessed TORX® screws
- In plastic case
- Dimensions: 200 x 120 x 38 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Sockets	kg	Code	No.
1/4 ITX 20 T8 T10 T15 3/8 ITX 30 T20 T25 T30 1/2 ITX 19 T40 T50 T55 T60	0.820	**6173500**	ITX 19-20-30 T

ITX 19 LKP

SCREWDRIVER BIT SOCKET SET 1/2" 18 pieces

- For recessed TORX® screws, short and long
- In GEDORIT blue sheet steel case
- Dimensions: 320 x 210 x 55 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Sockets	kg	Code	No.
ITX 19 T20 T25 T27 T30 T40 T45 T50 T55 T60 ITX 19 L T20 T25 T27 T30 T40 T45 T50 T55 T60	3.2	**6138510**	ITX 19 LKP

19 TX 20

SCREWDRIVER BIT SOCKET SET 1/2" + 1/4" 34 pieces

- 1/4" and 1/2" sockets for protruding and recessed TORX® screws
- In GEDORIT blue sheet steel case
- Dimensions: 320 x 210 x 55 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Sockets	kg	Code	No.
1/2 ITX 19 T40 T45 T50 T55 T60 1/2 ITX 19 LT20 T25 T27 T30 T40 T45 T50 T55 T60 1/2 TX 19 E12 E14 E16 E18 E20 E24 1/4 ITX 20 T8 T9 T10 T15 T20 T25 T27 T30 1/4 TX 20 E4 E5 E6 E7 E8 E10	3.6	**6129440**	19 TX 20

SETS 12.5 (1/2") INCH

D 19 WAU-20

SOCKET SET 1/2" 31 pieces

- With forged, tempered UD profile sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With robust lever-change reversible ratchet, with push-button release
- In GEDORIT blue sheet steel case
- Dimensions: 425 x 277 x 55 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-20 **1993 U-20**	**D 19** 5/16 11/32 3/8 13/32 7/16 1/2 9/16 19/32 5/8 11/16 3/4 25/32 13/16 7/8 15/16 1" 1.1/16 1.1/8 1.3/16 1.1/4" **H 42 EL**-88 A	**1990** -5 -10 **1995**	6.9	**2546027**	D 19 WAU-20

SETS 12.5 (1/2") MM+INCH

D 19 XMAU-20

SOCKET SET 1/2" 31 pieces

- With forged, tempered UD profile sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With robust lever-change reversible ratchet, with push-button release
- In GEDORIT blue sheet steel case
- Dimensions: 425 x 277 x 55 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-20 **1993 U-20**	**D 19** 11 13 14 17 19 22 24 27 30 32 **D 19** 3/8 13/32 7/16 1/2 9/16 19/32 5/8 11/16 3/4 25/32 13/16 7/8 15/16 1" 1.1/16 1.1/8"	**1987** **1990** -5 -10 **1995**	7.6	**2546043**	D 19 XMAU-20

IN 19 PA

SCREWDRIVER BIT SOCKET SET 1/2" 9 pieces

- For in-hex screws (INBUS®)
- In GEDORIT blue sheet steel case
- Dimensions: 281 x 79 x 35 mm
- INBUS® = reg. trademark of Ruia Global Fasteners AG, 41462 Neuss, Germany

Sockets	kg	Code	No.
IN 19 3/16 7/32 1/4 9/32 5/16 3/8 1/2 9/16 5/8"	1.328	**6156410**	IN 19 PA

SETS 12.5 (1/2") WITHWORTH

D 19 YWU-20

SOCKET SET 1/2" 14 pieces

- With forged, tempered bi-hexagon sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With robust lever-change reversible ratchet, with push-button release
- In GEDORIT blue sheet steel case
- Dimensions: 320 x 210 x 55 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-20 **1993 U-20**	**D 19** 3/16 1/4 5/16 3/8 7/16 1/2 9/16 5/8 11/16 3/4W	**1990** -5 -10 **1995**	3.8	**2546035**	D 19 YWU-20

SK RATCHET AND SOCKETS

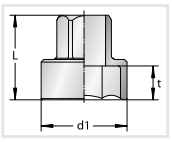
SK = SOCKET SHORT

- Especially for working in confined spaces
- Sockets and ratchet with tubular section for taking up long thread bolts
- A compact and inner-cavity hexagonal system as the connection between ratchet and socket
- The sockets are inserted into the ratchet hexagon female drive
- The drive length is concealed inside the ratchet and shortens the projecting part of the socket by 50 % as against the traditional system
- Sockets and ratchet hot-drop forged of GEDORE steel
- Sockets from 10 to 24 mm

19 SK

SOCKET 1/2" hexagon, short pattern

- With hexagon drive
- For use with reversible ratchet no. 1993 U-20 SK
- Torques specification required to standard DIN 3124 is exceeded
- GEDORE steel 42CrMo4, chrome-plated



mm	L	d_1	t	kg	Code	No.
10	24.0	15.5	6.0	0.040	**2521539**	19 SK 10
11	24.0	16.7	6.0	0.040	**2521547**	19 SK 11
12	25.0	18.0	7.0	0.040	**2521555**	19 SK 12
13	25.0	19.2	7.0	0.040	**2225875**	19 SK 13
14	25.0	20.5	7.0	0.040	**2225883**	19 SK 14
15	26.5	21.7	8.5	0.040	**2225891**	19 SK 15
16	26.5	22.5	8.5	0.091	**2225905**	19 SK 16
17	27.0	24.0	8.5	0.040	**2225913**	19 SK 17
18	30.5	25.5	11.0	0.040	**2225921**	19 SK 18
19	30.5	26.7	11.0	0.081	**2225948**	19 SK 19
21	32.5	29.2	13.0	0.040	**2225964**	19 SK 21
22	32.5	30.5	13.0	0.121	**2225972**	19 SK 22
24	32.5	33.0	13.0	0.151	**2225980**	19 SK 24

19 SKU-20

SOCKET SET 1/2" 14 pieces

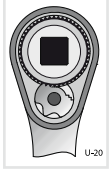
- With forged, tempered, hand-operated sockets no. 19 SK with hexagon drive
- With reversible lever change ratchet with in-hex drive
- Small, drop shaped head for confined areas
- Fine-toothed, return angle 6 degrees
- Non-slip 2-component handle with hanging hole
- In GEDORIT blue sheet steel case
- Dimensions: 320 x 132 x 55 mm

Ratchet	Sockets	kg	Code	No.
U-20 **1993 U-20 SK**	**19 SK** 10 11 12 13 14 15 16 17 18 19 21 22 24	2.6	**2521563**	19 SKU-20

1993 U-20 SK

REVERSIBLE RATCHET 1/2"

- Especially for thread bolts and working in confined spaces
- With hexagon drive
- Torques specification required to standard DIN 3122 is exceeded
- Small, drop shaped head for confined areas
- Fine-toothed (60 teeth), with lever change
- Return angle 6 degrees
- Non-slip 2-component handle with hanging hole
- For hand-operated sockets with hexagon no. 19 SK
- GEDORE vanadium steel 31CrV3, chrome-plated



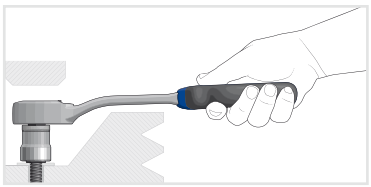
	°	mm	mm	kg	Code	No.
12	6	270	21	0.510	**2219492**	1993 U-20 SK

RATCHETS 12.5 (1/2")

1993 U-20 G

REVERSIBLE RATCHET 1/2" with offset handle

- Used throughout industry and the automotive world - and as well in confined spaces
- Torque acc. to DIN 3122, ISO 3315
- Handle offset for barely accessible places
- Reduces the risk of injury to the fingers when working on flat surfaces
- Small, drop shaped head for confined areas
- Fine-toothed (60 teeth), with lever change and push-button release
- Return angle 6 degrees
- Non-slip 2-component handle with hanging hole
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 12.5, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated

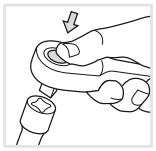


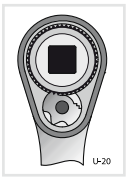
■ "	■	∠ °	⟷ mm ⟷	mm	kg	Code	No.
1/2	12.5	6				**2746786**	1993 U-20 G

1993 U-20

REVERSIBLE RATCHET 1/2"

- Used throughout industry and the automotive world - and as well in confined spaces
- Acc. to DIN 3122, ISO 3315
- Small, drop shaped head for confined areas
- Fine-toothed (60 teeth), with lever change and push-button release
- Return angle 6 degrees
- Non-slip 2-component handle with hanging hole
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 12.5, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated



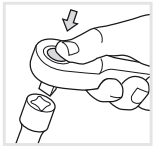


■ "	■	∠ °	⟷ mm ⟷	mm	kg	Code	No.
1/2	12.5	6	270	37.5	0.536	**1436686**	1993 U-20

1993 U-10 L

REVERSIBLE RATCHET 1/2" long pattern

- For an increase in torque, long design
- Acc. to DIN 3122, ISO 3315
- With recessed lever change
- Push-button release
- Return angle 7.5 degrees
- Non-slip 2-component handle with hanging hole
- Locks in the middle position: When the lever is flipped, it automatically engages for clockwise or anti-clockwise operation
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 12.5, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated

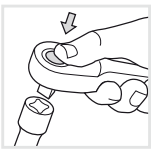


■ "	■	∠ °	⟷ mm ⟷	mm	kg	Code	No.
1/2	12.5	7,5	350	41	0.696	**6154550**	1993 U-10 L

1993 U-10 T

REVERSIBLE RATCHET 1/2"

- Particularly for the demanding use experienced in industry and with utility vehicles
- Acc. to DIN 3122, ISO 3315
- With recessed lever change
- Push-button release
- Return angle 7.5 degrees
- Non-slip 2-component handle with hanging hole
- Locks in the middle position: When the lever is flipped, it automatically engages for clockwise or anti-clockwise operation
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 12.5, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated



■ "	■	∠ °	⟷ mm ⟷	mm	kg	Code	No.
1/2	12.5	7,5	270	39	0.598	**6142620**	1993 U-10 T

VDE 1993 U 537

1993 ALU-10

ALUMINIUM REVERSIBLE RATCHET 1/2"

12.5 1/2"

- Very lightweight, especially for work done above your head
- Design spec. similar to DIN 3122, ISO 3315
- Made from special-purpose drop-forged and hardened aluminium
- The mechanism as in all U-10 ratchets is made from high-quality steel
- With recessed lever change
- Push-button release
- Return angle 7.5 degrees
- Non-slip 2-component handle with hanging hole
- Locks in the middle position: When the lever is flipped, it automatically engages for clockwise or anti-clockwise operation
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 12.5, ISO 1174, ball locking device
- Extremely lightweight - just 340 g

"		°	mm		kg	Code	No.
1/2	12.5	7,5	270	39	0.340	**6142700**	1993 ALU-10

LIGHTWEIGHT POWER PACK WITH 100% PERFORMANCE!

- Particularly suited for tiring overhead work!
- Its low weight goes easy particularly on one's joints
- Lightweight yet still of high-strength
- As with all U-10 ratchets, a mechanism of steel for guaranteed torque transfer as per DIN 2122
- Hot-drop forged
- Tough and hard from complex thermal finishing of the aluminium/zinc/magnesium/copper alloy after the demanding forging process

White "glowing" aluminium cropped pieces

The blank is die-struck

1993 U-3

REVERSIBLE RATCHET 1/2"

12.5 1/2"

- Especially for working in confined spaces, as in the automotive business
- Acc. to DIN 3122, ISO 3315
- With non-slip metal disc change, fine-toothed (72 teeth) and robust
- Return angle 5 degrees
- Non-slip 2-component handle with hanging hole
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 12.5, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated

"		°	mm		kg	Code	No.
1/2	12.5	5	270	40.5	0.476	**6144240**	1993 U-3

1993 GU-3

SWIVEL HEAD REVERSIBLE RATCHET 1/2"

12.5 1/2"

- Especially for use in the automotive sector
- Swivels through 180°, with joint lock
- With non-slip metal disc change, fine-toothed (72 teeth) and robust
- Return angle 5 degrees
- Non-slip 2-component handle with hanging hole
- Max. torque 300 N·m
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 12.5, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated

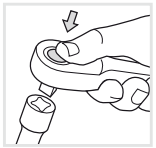
■"	■	∠°	⊢mm⊣		kg	Code	No.
1/2	12.5	5	282	40.5	0.535	**6144320**	1993 GU-3

1993 GU-10 XL

SWIVEL HEAD REVERSIBLE RATCHET 1/2" extra long

12.5 1/2"

- Extra long design
- Ideal for the truck and/or industrial vehicle sectors
- Swivels through 180°
- With recessed lever change
- Push-button release
- Return angle 7.5 degrees
- Non-slip 2-component handle with hanging hole
- Especially suitable for high torques, max. torque 600 N·m
- Locks in the middle position: When the lever is flipped, it automatically engages for clockwise or anti-clockwise operation
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 12.5, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated



■"	■	∠°	⊢mm⊣	kg	Code	No.
1/2	12.5	7,5	600	1.160	**2018934**	1993 GU-10 XL

1993 Z-94

RATCHET HANDLE WITH COUPLER 1/2"

12.5 1/2"

- Used throughout industry and the automotive world
- Acc. to DIN 3122, ISO 3315
- With square coupler, medium-fine toothed, extremely rugged
- Return angle 15 degrees
- Non-slip 2-component handle with hanging hole
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 12.5, ISO 1174 ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated

■"	■	∠°	⊢mm⊣		kg	Code	No.
1/2	12.5	15	270	21.9	0.476	**6144590**	1993 Z-94

1993 U-10 K

PLASTIC RATCHET 1/2"

12.5 1/2"

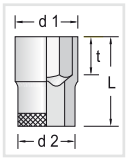
- For fast and easy tightening of bolted connections up to max. 70 N·m
- Very handy and compact, housing and handle form one unit
- Return angle 7.5 degrees
- Made from sturdy compound material with a steel mechanism
- Dimensions: 44 x 145 x 42.2 mm
- European-Patent-No. 1136187

Colour	■"	■	⊢mm⊣	∠°	kg	Code	No.
signal-black	1/2	12.5	145	7,5	0.226	**6242760**	1993 U-10 K SCHWARZ
anthracite-grey	1/2	12.5	145	7,5	0.226	**6244700**	1993 U-10 K GRAU

19

SOCKET 1/2" hexagon UD profile

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated
- * not standardised



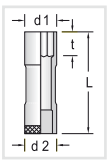
mm	*	L	d_1	d_2	t	kg	Code	No.
8		38.0	13.0	22.5	15.0	0.055	**6130020**	19 8
9	*	38.0	14.2	22.5	15.0	0.056	**6130100**	19 9
10		38.0	15.5	22.5	13.5	0.056	**6130290**	19 10
11		38.0	16.7	22.5	12.5	0.058	**6130370**	19 11
12		38.0	18.0	22.5	12.5	0.058	**6130450**	19 12
13		38.0	19.2	22.5	12.5	0.061	**6130530**	19 13
14		38.0	20.5	22.5	12.5	0.063	**6130610**	19 14
15		39.5	21.7	23.8	15.0	0.074	**6130880**	19 15
16		39.5	22.5	23.8	15.0	0.075	**6130960**	19 16
17		39.5	24.0	22.5	15.0	0.074	**6131180**	19 17
18		39.5	25.5	23.0	17.0	0.073	**6131260**	19 18
19		40.0	26.7	24.2	17.0	0.085	**6131340**	19 19
20		40.0	28.0	25.5	17.0	0.096	**6131420**	19 20
21		41.5	29.2	26.0	18.5	0.106	**6131500**	19 21
22		41.5	30.5	26.3	18.5	0.112	**6131690**	19 22
23	*	41.5	31.7	27.5	18.5	0.122	**6131770**	19 23
24		41.5	33.0	28.0	18.5	0.132	**6131850**	19 24
25	*	41.5	34.2	28.8	18.5	0.139	**6131930**	19 25
26	*	41.5	35.5	29.4	18.5	0.148	**6132070**	19 26
27		41.5	36.7	30.0	18.5	0.157	**6132150**	19 27
28	*	43.0	38.0	30.5	20.0	0.168	**6132230**	19 28
29	*	43.0	39.2	31.2	20.0	0.181	**6132310**	19 29
30		43.0	40.5	32.5	20.5	0.193	**6132580**	19 30
32		44.5	43.0	34.5	22.5	0.226	**6132740**	19 32
33	*	44.5	44.2	36.0	22.5	0.226	**2545306**	19 33
34		44.5	45.5	37.0	22.5	0.259	**6138270**	19 34
36	*	44.5	48.0	38.0	22.5	0.271	**1718711**	19 36

VDE 19 — 537

19 L

SOCKET 1/2" hexagon UD profile, long pattern

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

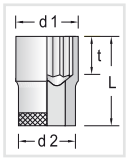


mm	L	d_1	d_2	t	kg	Code	No.
10	77.0	15.5	22.5	12.0	0.117	**1718738**	19 L 10
11	77.0	16.7	22.5	13.0	0.121	**1718746**	19 L 11
12	77.0	18.0	22.5	14.0	0.127	**1718754**	19 L 12
13	77.0	19.2	22.5	16.0	0.098	**1718762**	19 L 13
14	77.0	20.5	22.5	16.5	0.109	**1718770**	19 L 14
15	77.0	21.7	22.5	16.5	0.117	**1718789**	19 L 15
16	77.0	23.0	24.0	16.5	0.130	**1718800**	19 L 16
17	77.0	24.0	24.0	16.5	0.132	**1718819**	19 L 17
18	82.0	25.5	25.0	20.0	0.147	**1718827**	19 L 18
19	82.0	26.7	26.0	22.0	0.174	**1718835**	19 L 19
21	82.0	29.2	28.5	24.0	0.211	**2300559**	19 L 21
22	82.0	30.5	28.5	24.0	0.219	**2300567**	19 L 22
24	82.0	33.0	29.0	26.0	0.257	**2300575**	19 L 24
27	82.0	36.7	30.0	30.0	0.290	**2300583**	19 L 27
30	82.0	40.5	32.5	33.0	0.351	**2300591**	19 L 30
32	82.0	43.0	34.5	36.0	0.387	**2300605**	19 L 32
34	82.0	45.5	36.5	37.0	0.432	**2300613**	19 L 34

D 19 (AF)

SOCKET 1/2" bi-hexagon UD profile

- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

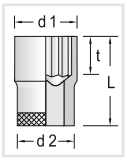


"AF	L	d_1	d_2	t	kg	Code	No.
5/16	38.0	13.0	22.5	7.0	0.052	**6136060**	D 19 5/16AF
11/32	38.0	13.9	22.5	8.0	0.054	**6136140**	D 19 11/32AF
3/8	38.0	14.9	22.5	15.0	0.055	**6136220**	D 19 3/8AF
13/32	38.0	15.9	22.5	13.5	0.055	**6136300**	D 19 13/32AF
7/16	38.0	16.7	22.5	12.5	0.056	**6136490**	D 19 7/16AF
1/2	38.0	18.7	22.5	12.5	0.058	**6136570**	D 19 1/2AF
9/16	38.0	20.7	22.5	12.5	0.061	**6136650**	D 19 9/16AF
19/32	39.5	21.7	23.8	15.0	0.070	**6136730**	D 19 19/32AF
5/8	39.5	22.5	23.8	15.0	0.073	**6136810**	D 19 5/8AF
11/16	39.5	24.7	22.5	17.0	0.066	**6137030**	D 19 11/16AF
3/4	40.0	26.7	24.2	17.0	0.084	**6137110**	D 19 3/4AF
25/32	40.0	27.7	25.3	17.0	0.090	**6137380**	D 19 25/32AF
13/16	41.5	28.5	25.7	18.5	0.097	**6137460**	D 19 13/16AF
7/8	41.5	30.6	26.5	18.5	0.105	**6137540**	D 19 7/8AF
15/16	41.5	32.6	28.3	18.5	0.126	**6137620**	D 19 15/16AF
1	41.5	34.6	28.9	18.5	0.138	**6137700**	D 19 1AF
1.1/16	41.5	36.7	30.0	18.5	0.147	**6137890**	D 19 1.1/16AF
1.1/8	43.0	38.6	31.0	20.0	0.159	**6137970**	D 19 1.1/8AF
1.3/16	43.0	40.6	32.5	20.5	0.183	**6138000**	D 19 1.3/16AF
1.1/4	44.5	42.6	34.5	22.5	0.207	**6138190**	D 19 1.1/4AF

D 19 (WW)

SOCKET 1/2" bi-hexagon

- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated



Whitw.	L	d_1	d_2	t	kg	Code	No.
3/16	38.0	17.0	22.5	12.5	0.054	**6138780**	D 19 3/16W
1/4	38.0	19.5	22.5	12.5	0.057	**6138860**	D 19 1/4W
5/16	39.5	21.9	23.8	15.0	0.069	**6138940**	D 19 5/16W
3/8	39.5	25.5	23.0	17.0	0.066	**6139080**	D 19 3/8W
7/16	41.5	28.8	26.0	18.5	0.096	**6139160**	D 19 7/16W
1/2	41.5	32.1	27.8	18.5	0.124	**6139240**	D 19 1/2W
9/16	41.5	34.9	29.2	18.5	0.137	**6139320**	D 19 9/16W
5/8	43.0	37.8	30.5	20.0	0.166	**6139400**	D 19 5/8W
11/16	43.0	41.0	33.0	20.5	0.184	**6139590**	D 19 11/16W
3/4	44.5	44.2	36.0	22.5	0.225	**6138430**	D 19 3/4W

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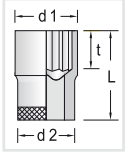
D 19 (MM)

SOCKET 1/2" bi-hexagon UD profile

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated
- * not standardised



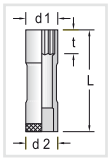
mm *	L	d_1	d_2	t	kg	Code	No.
8	38.0	13.0	22.5	7.0	0.051	**6133040**	D 19 8
9 *	38.0	14.2	22.5	8.0	0.052	**6133120**	D 19 9
10	38.0	15.5	22.5	13.5	0.056	**6133200**	D 19 10
11	38.0	16.7	22.5	12.5	0.057	**6133390**	D 19 11
12	38.0	18.0	22.5	12.5	0.057	**6133470**	D 19 12
13	38.0	19.2	22.5	12.5	0.059	**6133550**	D 19 13

mm *	L	d_1	d_2	t	kg	Code	No.
14	38.0	20.5	22.5	12.5	0.061	**6133630**	D 19 14
15	39.5	21.7	23.8	15.0	0.072	**6133710**	D 19 15
16	39.5	22.5	23.8	15.0	0.072	**6133980**	D 19 16
17	39.5	24.0	22.5	15.0	0.070	**6134010**	D 19 17
18	39.5	25.5	23.0	17.0	0.068	**6134280**	D 19 18
19	40.0	26.7	24.2	17.0	0.081	**6134360**	D 19 19
20	40.0	28.0	25.5	17.0	0.090	**6134440**	D 19 20
21	41.5	29.2	26.0	18.5	0.101	**6134520**	D 19 21
22	41.5	30.5	26.3	18.5	0.106	**6134600**	D 19 22
23 *	41.5	31.7	27.5	18.5	0.118	**6134790**	D 19 23
24	41.5	33.0	28.0	18.5	0.123	**6134870**	D 19 24
25 *	41.5	34.2	28.8	18.5	0.131	**6134950**	D 19 25
26 *	41.5	35.5	29.4	18.5	0.139	**6135090**	D 19 26
27	41.5	36.7	30.0	18.5	0.143	**6135170**	D 19 27
28 *	43.0	38.0	30.5	20.0	0.163	**6135250**	D 19 28
29 *	43.0	39.2	31.2	20.0	0.168	**6135330**	D 19 29
30	43.0	40.5	32.5	20.5	0.182	**6135410**	D 19 30
32	44.5	43.0	34.5	22.5	0.204	**6135760**	D 19 32
33 *	44.5	44.2	36.0	22.5	0.221	**6135840**	D 19 33
34 *	44.5	45.5	37.0	22.5	0.251	**2545314**	D 19 34
36 *	44.5	48.0	38.0	22.5	0.271	**2194686**	D 19 36

D 19 L (MM)

SOCKET 1/2" bi-hexagon UD profile, long pattern

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated
- Sizes 16, 18, 21 mm with hole drilled for tommy bar Ø 8 mm

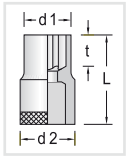


mm	L	d_1	d_2	t	kg	Code	No.
10	77.0	15.5	22.5	12.0	0.117	**6141140**	D 19 L 10
12	77.0	18.0	22.5	14.0	0.127	**6141220**	D 19 L 12
13	77.0	19.2	22.5	16.0	0.101	**6140170**	D 19 L 13
14	77.0	20.5	22.5	16.5	0.109	**6140250**	D 19 L 14
15	77.0	21.7	22.5	16.5	0.119	**6142460**	D 19 L 15
16	77.0	23.0	24.0	16.5	0.128	**6142540**	D 19 L 16
17	77.0	24.0	24.0	16.5	0.133	**6140330**	D 19 L 17
18	82.0	25.5	25.0	20.0	0.147	**6142380**	D 19 L 18
19	82.0	26.7	26.0	22.0	0.175	**6140410**	D 19 L 19
21	82.0	29.2	28.5	24.0	0.211	**6140680**	D 19 L 21
22	82.0	30.5	28.5	24.0	0.219	**6145050**	D 19 L 22
24	82.0	33.0	29.0	26.0	0.257	**6140760**	D 19 L 24
27	82.0	36.7	30.0	30.0	0.290	**6141060**	D 19 L 27
30	82.0	40.5	32.5	33.0	0.351	**6145640**	D 19 L 30
32	82.0	43.0	34.5	36.0	0.387	**6191320**	D 19 L 32
34	82.0	45.5	36.5	37.0	0.432	**6147500**	D 19 L 34

TX 19

SOCKET 1/2" for protruding TORX® head screws

- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

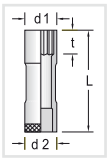


	M	mm	L	d_1	d_2	t	kg	Code	No.
E10	M8	9,42	38.0	13.5	22.5	15.5	0.056	**6145720**	TX 19 E10
E11	-	10,08	38.0	14.0	22.5	15.5	0.055	**6194180**	TX 19 E11
E12	M10	11,17	38.0	15.5	22.5	15.5	0.059	**6147340**	TX 19 E12
E14	M12	12,90	38.0	17.0	22.5	13.0	0.059	**6147420**	TX 19 E14
E16	M12	14,76	38.0	19.0	22.5	13.0	0.062	**6194420**	TX 19 E16
E18	M14	16,70	40.0	21.0	24.5	14.0	0.078	**6194500**	TX 19 E18
E20	M16	18,45	40.0	23.5	24.5	14.0	0.085	**6194690**	TX 19 E20
E24	M18 - M20	22,16	41.5	28.5	26.0	16.0	0.116	**6195070**	TX 19 E24

D 19 L (AF)

SOCKET 1/2" bi-hexagon UD profile, long pattern

- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

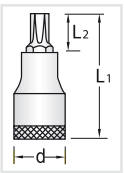


"AF	L	d_1	d_2	t	kg	Code	No.
1/2	77.0	18.7	22.5	16.0	0.095	**6141300**	D 19 L 1/2AF
9/16	77.0	20.7	22.5	16.5	0.105	**6141490**	D 19 L 9/16AF
5/8	77.0	22.5	24.0	16.5	0.120	**6141570**	D 19 L 5/8AF
11/16	77.0	24.7	24.8	16.5	0.143	**6141650**	D 19 L 11/16AF
3/4	82.0	26.7	26.0	22.0	0.164	**6141730**	D 19 L 3/4AF
13/16	82.0	28.5	28.5	22.0	0.197	**6141810**	D 19 L 13/16AF
7/8	82.0	30.6	28.5	24.0	0.208	**6142030**	D 19 L 7/8AF
15/16	82.0	32.6	29.0	26.0	0.234	**6142110**	D 19 L 15/16AF

ITX 19

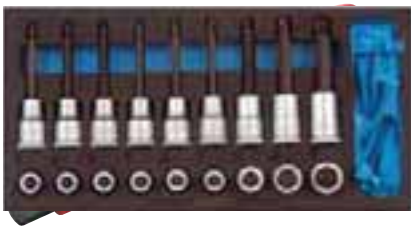
SCREWDRIVER BIT SOCKET 1/2" for recessed TORX® head screws

- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



	M	mm	L_1	L_2	d	kg	Code	No.
T20	M4 - M5	3,86	55	17	22.5	0.076	**6152930**	ITX 19 T20
T25	M4,5 - M5	4,43	55	17	22.5	0.075	**6154200**	ITX 19 T25
T27	M4,5 - M6	4,99	55	17	22.5	0.076	**6154630**	ITX 19 T27
T30	M6 - M7	5,52	55	17	22.5	0.075	**6156170**	ITX 19 T30
T40	M7 - M8	6,65	55	17	22.5	0.076	**6156330**	ITX 19 T40
T45	M8 - M10	7,82	55	17	22.5	0.077	**6157060**	ITX 19 T45
T50	M10	8,83	55	17	22.5	0.092	**6158030**	ITX 19 T50
T55	M12	11,22	55	17	23.0	0.107	**6158380**	ITX 19 T55
T60	M14	13,25	55	15	24.7	0.137	**6158540**	ITX 19 T60

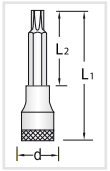
1500 CT1-ITX 19 LKP 108



ITX 19 L

SCREWDRIVER BIT SOCKET 1/2" for recessed TORX® head screws, long pattern

- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

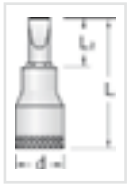


	M	mm	L_1	L_2	d	kg	Code	No.
T20	M4 - M5	3,86	100	62	22.5	0.095	**6188020**	ITX 19 L T20-100
T25	M4,5 - M5	4,43	100	62	22.5	0.095	**6188100**	ITX 19 L T25-100
T27	M4,5 - M6	4,99	100	62	22.5	0.096	**6188370**	ITX 19 L T27-100
T30	M6 - M7	5,52	100	62	22.5	0.096	**6152500**	ITX 19 L T30-100
T40	M7 - M8	6,65	100	62	22.5	0.096	**6152690**	ITX 19 L T40-100
T45	M8 - M10	7,82	100	62	22.5	0.098	**6155870**	ITX 19 L T45-100
T50	M10	8,83	100	62	22.5	0.124	**6158700**	ITX 19 L T50-100
T55	M12	11,22	100	62	23.0	0.151	**6159940**	ITX 19 L T55-100
T60	M14	13,25	100	60	24.7	0.197	**6188450**	ITX 19 L T60-100
T70	M16	15,55	100	60	28.0	0.277	**6105180**	ITX 19 L T70-100

IS 19

SCREWDRIVER BIT SOCKET 1/2" for slotted head screws

- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, manganese-phosphated
- Blade as per DIN ISO 2380-1, Form B



mm	mm	L_1	L_2	d	kg	Code	No.
6.5	1.2	60	22	22.5	0.071	**6161760**	IS 19 6,5x1,2
8.0	1.2	60	22	22.5	0.080	**6656060**	IS 19 8x1,2
10.0	1.6	60	22	22.5	0.115	**6656140**	IS 19 10x1,6
12.0	2.0	60	22	23.0	0.110	**6656220**	IS 19 12x2
14.0	2.5	60	20	24.7	0.138	**6162140**	IS 19 14x2,5
16.0	2.5	60	20	28.0	0.190	**6656490**	IS 19 16x2,5
18.0	2.5	60	20	27.0	0.193	**6656570**	IS 19 18x2,5

ITX 19 B

SCREWDRIVER BIT SOCKET 1/2" for recessed TORX® head screws with pilot

- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

	M	mm	L_1	L_2	d	Bore	kg	Code	No.
T20	M4 - M5	3,86	55	17	22.5	1,55 x 1,86	0.075	**6192720**	ITX 19 B T20
T25	M4,5 - M5	4,43	55	17	22.5	1,93 x 2,04	0.075	**6195660**	ITX 19 B T25
T27	M4,5 - M6	4,99	55	17	22.5	2,18 x 2,29	0.076	**6196390**	ITX 19 B T27
T30	M6 - M7	5,52	55	17	22.5	2,56 x 2,92	0.076	**6200170**	ITX 19 B T30
T40	M7 - M8	6,65	55	17	22.5	2,92 x 3,28	0.091	**6200410**	ITX 19 B T40
T45	M8 - M10	7,82	55	17	22.5	3,45 x 3,68	0.092	**6200840**	ITX 19 B T45
T50	M10	8,83	55	17	23.0	3,83 x 3,78	0.105	**6201300**	ITX 19 B T50
T55	M12	11,22	55	15	24.7	4,85 x 4,79	0.133	**6202700**	ITX 19 B T55
T60	M14	13,25	56	16	28.0	5,63 x 7,87	0.182	**6203270**	ITX 19 B T60

IKS 19

SCREWDRIVER BIT SOCKET 1/2" for cross-head screws PH

- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, gun-metal finish
- Tip as per DIN ISO 8764-1 PH

PH	L_1	L_2	d	kg	Code	No.
2	60	22	22.5	0.077	**6656650**	IKS 19 2
3	60	22	22.5	0.092	**6656730**	IKS 19 3
4	60	22	23.0	0.106	**6656810**	IKS 19 4

IKS 19 PZD

SCREWDRIVER BIT SOCKET 1/2" for cross-head screws Pozi PZ

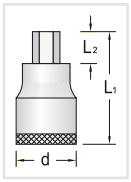
- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, gun-metal finish
- Tip as per DIN ISO 8764-1 PZ

PZ	L_1	L_2	d	kg	Code	No.
2	60	22	22.5	0.077	**6156680**	IKS 19 PZD 2
3	60	22	22.5	0.091	**6156760**	IKS 19 PZD 3
4	60	22	23.0	0.108	**6156840**	IKS 19 PZD 4

IN 19 (MM)

SCREWDRIVER BIT SOCKET 1/2" for in-hex screws

- Acc. to DIN 7422
- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, manganese-phosphated
- **IN 19 17** for oil filter and drain plug screws
- * not standardised



mm	*	L_1	L_2	d	kg	Code	No.
4	*	60	22	22.5	0.068	**6153070**	IN 19 4
5	*	60	22	22.5	0.069	**6153150**	IN 19 5
6		60	22	22.5	0.070	**6153230**	IN 19 6
7		60	22	22.5	0.075	**6153310**	IN 19 7
8		60	22	22.5	0.082	**6153580**	IN 19 8
9	*	60	22	22.5	0.091	**6153660**	IN 19 9
10		60	22	22.5	0.099	**6153740**	IN 19 10
12		60	22	23.0	0.113	**6153820**	IN 19 12
14		60	20	24.7	0.149	**6153900**	IN 19 14
17	*	60	20	28.0	0.210	**6154040**	IN 19 17
19	*	60	20	27.0	0.222	**6154120**	IN 19 19

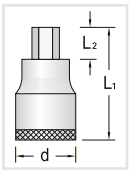
VDE IN 19

537

IN 19 (AF)

SCREWDRIVER BIT SOCKET 1/2" for in-hex screws

- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, manganese-phosphated

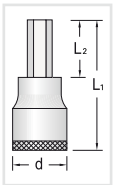


"AF	L_1	L_2	d	kg	Code	No.
3/16	60	22	22.5	0.069	**6154710**	IN 19 3/16AF
7/32	60	22	22.5	0.069	**6154980**	IN 19 7/32AF
1/4	60	22	22.5	0.073	**6155010**	IN 19 1/4AF
9/32	60	22	22.5	0.076	**6155280**	IN 19 9/32AF
5/16	60	22	22.5	0.081	**6155360**	IN 19 5/16AF
3/8	60	22	22.5	0.098	**6155440**	IN 19 3/8AF
1/2	60	22	23.0	0.119	**6155520**	IN 19 1/2AF
9/16	60	20	24.7	0.150	**6155600**	IN 19 9/16AF
5/8	60	20	28.0	0.205	**6155790**	IN 19 5/8AF

IN 19 L

SCREWDRIVER BIT SOCKET 1/2" for in-hex screws, long pattern

- Acc. to DIN 7422
- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, manganese-phosphated
- * t = stepped hexagon bit 13 mm
- * not standardised

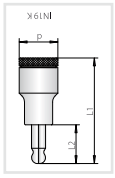


mm	*	L_1	L_2	d	* t	kg	Code	No.
5	*	90	52	22.5	13	0.091	**6162060**	IN 19 L 5-90
5	*	180	142	22.5	13	0.131	**6157140**	IN 19 L 5-180
6		90	52	22.5		0.079	**6157300**	IN 19 L 6-90
6		140	102	22.5	13	0.115	**6145800**	IN 19 L 6-140
6		160	122	22.5	13	0.123	**6145990**	IN 19 L 6-160
7		100	62	22.5		0.089	**6157570**	IN 19 L 7-100
8		90	52	22.5		0.095	**6157730**	IN 19 L 8-90
8		120	82	22.5		0.109	**6157810**	IN 19 L 8-120
10		140	102	22.5		0.154	**6158110**	IN 19 L 10-140
12		140	102	23.0		0.195	**6158460**	IN 19 L 12-140
14		140	100	24.7		0.257	**6158620**	IN 19 L 14-140

IN 19 K

SCREWDRIVER BIT SOCKET 1/2" with ball end, for in-hex screws

- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, gun-metal finish
- Total swivel angle approx. 15-20°

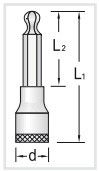


mm	L_1	L_2	d	kg	Code	No.
6	60	22	22.5	0.068	**2219336**	IN 19 K 6
7	60	22	22.5	0.071	**2219360**	IN 19 K 7
8	60	22	22.5	0.080	**2219379**	IN 19 K 8
10	60	22	22.5	0.100	**2219395**	IN 19 K 10
12	60	20	23.0	0.190	**1621513**	IN 19 K 12
14	60	20	24.7	0.220	**2663090**	IN 19 K 14

IN 19 LK

SCREWDRIVER BIT SOCKET 1/2" with ball end, for in-hex screws, long pattern

- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, gun-metal finish
- Total swivel angle approx. 15-20°

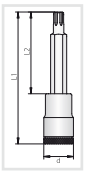


mm	L_1	L_2	d	kg	Code	No.
6	140	102	22.5	0.091	**6162810**	IN 19 LK 6-140
7	140	102	22.5	0.103	**6165080**	IN 19 LK 7-140
8	140	102	22.5	0.116	**6165160**	IN 19 LK 8-140
10	140	102	22.5	0.153	**6166800**	IN 19 LK 10-140
12	140	102	23.0	0.195	**6172370**	IN 19 LK 12-140
14	140	100	24.7	0.225	**1936328**	IN 19 LK 14-140

INR 19 L

SCREWDRIVER BIT SOCKET 1/2" for multi-spline screws RIBE®, long pattern

- RIBE® = reg. trademark of Richard Bergner GmbH & Co. KG, Schwabach, Germany

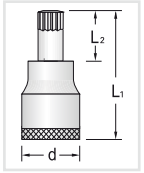


M	L_1	L_2	d	kg	Code	No.
M5	100	62	22.5	0.085	**1449826**	INR 19 L 5-100
M6	100	62	22.5	0.085	**1449850**	INR 19 L 6-100
M6	188	150	22.5	0.120	**1450859**	INR 19 L 6-188
M8	100	62	22.5	0.085	**1449877**	INR 19 L 8-100
M8	188	150	22.5	0.125	**1450875**	INR 19 L 8-188
M10	100	62	22.5	0.105	**1449591**	INR 19 L 10-100
M10	188	150	22.5	0.165	**1450891**	INR 19 L 10-188
M12	100	62	22.5	0.145	**1398636**	INR 19 L 12-100
M12	188	150	22.5	0.230	**1450913**	INR 19 L 12-188
M14	100	60	24.7	0.155	**1449893**	INR 19 L 14-100

INX 19

SCREWDRIVER BIT SOCKET 1/2" for multi-point screws XZN

- Acc. to DIN 2324
- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, manganese-phosphated
- Tip as per DIN 2325
- * not standardised

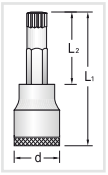


M	*	L_1	L_2	d	kg	Code	No.
M5	*	55	17	22.5	0.075	**6158890**	INX 19 5
M6	*	55	17	22.5	0.076	**6159000**	INX 19 6
M8		55	17	22.5	0.077	**6159270**	INX 19 8
M10		55	17	22.5	0.094	**6159430**	INX 19 10
M12		55	17	23.0	0.110	**6159780**	INX 19 12
M14		57	17	24.7	0.085	**1888943**	INX 19 14

INX 19 L

SCREWDRIVER BIT SOCKET 1/2" for multi-point screws XZN, long pattern

- Acc. to DIN 2324
- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, manganese-phosphated
- Tip as per DIN 2325
- * not standardised



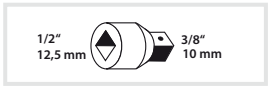
M	*	L_1	L_2	d	kg	Code	No.
M6	*	100	62	22.5	0.093	**6159190**	INX 19 L 6-100
M8		100	62	22.5	0.097	**6159350**	INX 19 L 8-100
M10		100	62	22.5	0.124	**6159510**	INX 19 L 10-100
M12		100	62	23.0	0.149	**6159860**	INX 19 L 12-100
M14		100	60	24.7	0.110	**1888951**	INX 19 L 14-100

ACCESSORIES 12.5 (1/2")

1930

REDUCER 1/2" TO 3/8"

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated



□"	□	■"	■	mm	kg	Code	No.
1/2	12.5	3/8	10	38.5	0.062	**6143000**	1930

1932

CONVERTOR 1/2" TO 3/4"

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

□"	□	■"	■	mm	kg	Code	No.
1/2	12.5	3/4	20	44	0.128	**6143190**	1932

S 2032-05 182

1940

HIGH-SPEED SWIVEL DISC for 1/2" ratchets

- For 12.5 mm (1/2") ratchets
- Tightens loose screws with a flick of the wrist
- Easy assembly between release head and socket
- Speeds up the screwing process

□"	□	kg	Code	No.
1/2	12.5	0.014	**1640887**	1940

1981 K

L-HANDLE 1/2"

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

■"	■	mm	kg	Code	No.
1/2	12.5	220	0.267	**6143270**	1981 K

1985

SPEED BRACE 1/2"

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

■"	■	mm	kg	Code	No.
1/2	12.5	395	0.619	**6143350**	1985

1987

SLIDING T BAR 1/2"

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, polished, chrome-plated

■"	■	mm	kg	Code	No.
1/2	12.5	292	0.386	**6143430**	1987

1987 A

SLIDING T BAR WITH RELEASE 1/2"

- Secured against unintentional removal
- GEDORE vanadium steel 31CrV3, polished, chrome-plated
- Turn handle for easy locking and releasing
- Accidental release when working is prevented because of the asymmetrical release point
- Particularly useful for work in sensitive areas where certainty against loss is a theme
- Examples: Aircraft engine, work in deep machine bodies
- DBGM (German utility patent)

■"	■	⟷ mm ⟷	kg	Code	No.
1/2	12.5	292	0.375	**1871641**	1987 A

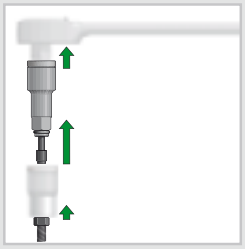
1990 M

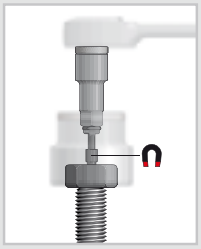
UNIVERSAL EXTENSION WITH MAGNETIC EFFECT

The essentially plain-looking universal extension in combination, for instance, with the right sockets and socket drivers is transformed into our secret star.

Your advantage:

- Secure fixing even of large screws
- One-handed operation Using the socket, the screw can be immediately screwed in
- Powerful magnet with spring mechanism ensures centric screw guidance.
- Makes work easier particularly in confined spaces





1990 M

EXTENSION 1/2" with magnet

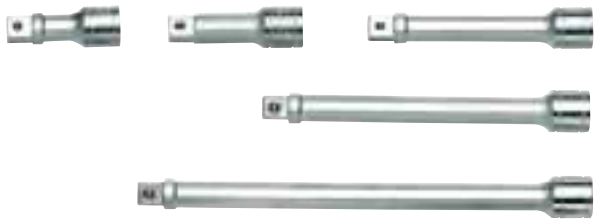
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- The holding magnet securely fixes the screws in the socket
- One-hand operation - using the socket the screw can be immediately screwed in
- Thanks to a spring mechanism the holding magnet is always in direct contact with the screw head. It ensures that the screw is centrally guided
- A strong permanent magnet keeps hold of even large screws
- Makes work easier particularly in confined spaces
- Hot forged
- GEDORE vanadium steel 31CrV3, polished, spring pin manganese-phosphated

■"	■	⟷ mm ⟷	kg	Code	No.
1/2	12.5	83	0.110	**2697920**	1990 M

1990

EXTENSION 1/2"

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated



■"	■	*	⟷ mm ⟷	kg	Code	No.
1/2	12.5	*	63	0.115	**6143510**	1990-2.1/2
1/2	12.5		76	0.137	**6143780**	1990-3
1/2	12.5		125	0.188	**6143860**	1990-5
1/2	12.5	*	180	0.264	**6142890**	1990-7
1/2	12.5		250	0.361	**6143940**	1990-10
1/2	12.5	*	305	0.411	**6129950**	1990-12

VDE 1990

537

1990 A

EXTENSION 1/2" with release

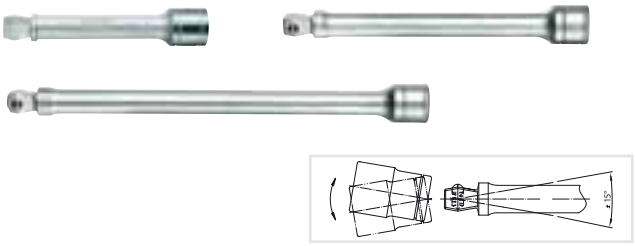
- Easy access to deep-fitting screws
- Locking ring prevents unintentional release of the socket
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device

■"	■	⟷ mm ⟷	kg	Code	No.
1/2	12.5	125	0.216	**1640828**	1990 A-5
1/2	12.5	250	0.386	**1640801**	1990 A-10

1990 KR

UNIVERSAL EXTENSION 1/2"

- With ball end
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- The extension is able to pivot up to 15°
- Load capacity max. 230 N·m
- GEDORE vanadium steel 31CrV3, polished, chrome-plated



■"	■	⟷ mm ⟷	kg	Code	No.
1/2	12.5	125	0.180	**6173180**	1990 KR-5
1/2	12.5	180	0.255	**6225590**	1990 KR-7
1/2	12.5	250	0.345	**6366570**	1990 KR-10

1994

COUPLER 1/2"

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated, polished

■"	■	⟷ mm ⟷	kg	Code	No.
1/2	12.5	38	0.045	**6144670**	1994

1995

UNIVERSAL JOINT 1/2"

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated, polished

■"	■	□"	□	⟷ mm ⟷	kg	Code	No.
1/2	12.5	1/2	12.5	72	0.159	**6144750**	1995

1996 - 1997

SWIVEL HANDLE 1/2"

- Acc. to DIN 3122, ISO 3315
- Non-slip 2-component handle with hanging hole
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated, polished

■"	■	⟷ mm ⟷	kg	Code	No.
1/2	12.5	255	0.426	**6144830**	1996
1/2	12.5	381	0.593	**6144910**	1997

1998

SWIVEL HANDLE WITH SLIDING T 1/2"

- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with ball locking device
- GEDORE vanadium steel 31CrV3, chrome-plated, polished

"		mm	kg	Code	No.
1/2	12.5	460	0.747	**6199730**	1998

VDE 1988 / VDE 1989 T

537

SL 19

TOOL HOLDING RAIL, MAGNETIC 1/2" empty

- External squares to take 12 or 16 standard commercial 12.5 mm (1/2") sockets
- Two female square adaptors to take ratchets, sliding T bars, extensions etc.
- A strong magnet securely holds the socket rail to ferrous metals
- Additional holes are provided for wall mounting the socket rail or attaching to non-ferrous materials
- The sockets are securely locked by the ball at the square-drive end by turning them 90°
- It is a simple matter to "unlock" and remove the sockets, by turning them 90° in the opposing direction
- Delivery without tools

Execution	mm	mm	kg	Code	No.
for 12 pieces 1/2" sockets	480	33	0.481	**1828665**	SL 1912
for 16 pieces 1/2" sockets	580	33	0.522	**1761102**	SL 1916

VH 19

SPRING STEEL SOCKET RAIL 1/2"

- For 14 1/2" sockets
- Delivery without tools

mm	kg	Code	No.
405	0.065	**5162520**	VH 19

32 EM / D 32 EM

SOCKET SET 3/4" 14 pieces

- With forged, tempered hexagon (no.32) or UD profile sockets (no. D 32), hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- Set U-2 with fine toothed, dial change ratchet
- Set Z-94 with ratchet with square coupler
- In GEDORIT blue sheet steel case
- Dimensions: 525 x 203 x 73 mm

Ratchet	Sockets	Accessories	kg	Code	No.
Z-94 **3293 Z-94**	**32** 22 24 27 30 32 36 38 41 46 50	**3287** **3290**-8 -16	11.4	**6280180**	32 EMZ
U-2 **3293 U-2**	**32** 22 24 27 30 32 36 38 41 46 50	**3287** **3290**-8 -16	11.6	**6280340**	32 EMU-2
Z-94 **3293 Z-94**	**D 32** 22 24 27 30 32 36 38 41 46 50	**3287** **3290**-8 -16	11.2	**6280260**	D 32 EMZ
U-2 **3293 U-2**	**D 32** 22 24 27 30 32 36 38 41 46 50	**3287** **3290**-8 -16	11.1	**6280420**	D 32 EMU-2

32 FM / D 32 FM

SOCKET SET 3/4" 16 pieces

- With forged, tempered hexagon, bi-hexagon (no.32) or UD profile sockets (no. D 32), hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- Set U-2 with fine toothed, dial change ratchet
- Set Z-94 with ratchet with square coupler
- In GEDORIT blue sheet steel case
- Dimensions: 555 x 230 x 80 mm

Ratchet	Sockets	Accessories	kg	Code	No.
Z-94 **3293 Z-94**	**32** 22 24 27 30 32 36 38 41 46 50 55 60	**3287** **3290**-8 -16	15.6	**6280930**	32 FMZ
U-2 **3293 U-2**	**32** 22 24 27 30 32 36 38 41 46 50 55 60	**3287** **3290**-8 -16	15.8	**6281150**	32 FMU-2
Z-94 **3293 Z-94**	**D 32** 22 24 27 30 32 36 38 41 46 50 55 60	**3287** **3290**-8 -16	15.1	**6281070**	D 32 FMZ
U-2 **3293 U-2**	**D 32** 22 24 27 30 32 36 38 41 46 50 55 60	**3287** **3290**-8 -16	15.2	**6281230**	D 32 FMU-2

D 32 EA

SOCKET SET 3/4" 14 pieces

- With forged, tempered bi-hexagon UD profile sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- Set U-2 with fine toothed, dial change ratchet
- Set Z-94 with ratchet with square coupler
- In GEDORIT blue sheet steel case
- Dimensions: 525 x 203 x 73 mm

Ratchet	Sockets	Accessories	kg	Code	No.
Z-94 **3293 Z-94**	**D 32** 15/16 1.1/16 1.1/8 1.1/4 1.5/16 1.3/8 1.1/2 1.5/8 1.7/8 2"	**3287** **3290**-8 -16	11.3	**6280500**	D 32 EAZ
U-2 **3293 U-2**	**D 32** 15/16 1.1/16 1.1/8 1.1/4 1.5/16 1.3/8 1.1/2 1.5/8 1.7/8 2"	**3287** **3290**-8 -16	11.3	**6280690**	D 32 EAU-2

D 32 EMAU-2

SOCKET SET 3/4" 25 pieces

- With forged, tempered bi-hexagon UD profile sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With fine toothed, dial change ratchet
- In GEDORIT blue sheet steel case
- Dimensions: 660 x 230 x 80 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-2 **3293 U-2**	**D 32** 22 24 27 30 32 36 41 46 50 **D 32** 7/8 15/16 1" 1.1/16 1.1/8 1.1/4 1.5/16 1.3/8 1.1/2 1.11/16 1.7/8 2"	**3287** **3290**-8 -16	18.2	**6281310**	D 32 EMAU-2

GEDORE INDIVIDUAL ... CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/ services) - and a lot more besides.
- **WE** develop special tools, customised tools and/ or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

RATCHETS 20 (3/4")

3293 U-10

REVERSIBLE RATCHET 3/4"

20 3/4"

- Particularly for the demanding use experienced in industry and with utility vehicles
- Acc. to DIN 3122, ISO 3315
- With recessed lever change, locks in middle position
- Return angle 11.25 degrees
- Push-fit tube handle
- For hand-operated sockets and accessories with square drive as per DIN 3120 - D 20, ISO 1174 with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated

■ "	■	∠ °	⟷ mm ⟷	mm	kg	Code	No.
3/4	20	11,25	620	57.5	2.630	**6277980**	3293 U-10

3293 U-2

REVERSIBLE RATCHET 3/4"

20 3/4"

- Especially for working in confined spaces
- Acc. to DIN 3122, ISO 3315
- With disc change, fine-toothed and robust
- Return angle 7.2 degrees
- For hand-operated sockets and accessories with square drive as per DIN 3120 - D 20, ISO 1174 with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated

■ "	■	∠ °	⟷ mm ⟷	mm	kg	Code	No.
3/4	20	7,2	510	60	1.435	**6278600**	3293 U-2

3293 U-3

REVERSIBLE RATCHET 3/4"

20 3/4"

- Especially for working in confined spaces, as in the automotive business and with utility vehicles
- Acc. to DIN 3122, ISO 3315
- With non-slip metal disc change, fine-toothed (72 teeth) and robust
- Return angle 5 degrees
- Push-fit tube handle
- For hand-operated sockets and accessories with square drive as per DIN 3120 - D 20, ISO 1174, with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated

■ "	■	∠ °	⟷ mm ⟷	mm	kg	Code	No.
3/4	20	5	620	62.5	2.610	**6278790**	3293 U-3

3293 Z-94

RATCHET HANDLE WITH COUPLER 3/4"

20 3/4"

- Used throughout industry and the automotive world
- Acc. to DIN 3122, ISO 3315
- With square coupler, medium-fine toothed, extremely rugged
- Return angle 10 degrees
- For hand-operated sockets and accessories with square drive as per DIN 3120 - D 20, ISO 1174 with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated

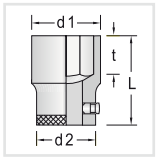
■ "	■	∠ °	⟷ mm ⟷	mm	kg	Code	No.
3/4	20	10	510	31	1.301	**6278950**	3293 Z-94

SOCKETS 20 (3/4")

32

SOCKET 3/4" hexagon UD profile

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - D 20, ISO 1174, with locking pin
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, chrome-plated, polished
- * not standardised

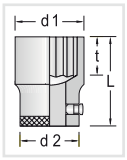


mm	*	L	d_1	d_2	t	kg	Code	No.
18	*	51.5	28.3	36.0	19.0	0.219	**6269880**	32 18
19	*	51.5	29.6	36.0	19.0	0.225	**6270110**	32 19
21		51.5	32.0	36.0	19.0	0.228	**6269960**	32 21
22		51.5	33.3	36.0	19.0	0.232	**6270380**	32 22
24		51.5	35.8	38.0	19.5	0.267	**6270460**	32 24
27		54.5	39.6	36.0	24.0	0.271	**6270540**	32 27
29	*	54.5	42.0	36.0	23.5	0.281	**6270620**	32 29
30		57.5	43.3	38.0	26.0	0.331	**6270700**	32 30
32		57.5	45.8	38.0	27.0	0.345	**6270890**	32 32
33	*	57.5	47.0	40.0	26.5	0.392	**6270030**	32 33
34		57.5	48.3	40.0	26.5	0.404	**6279410**	32 34
36		59.5	50.8	40.0	28.0	0.448	**6270970**	32 36
38	*	59.5	53.3	40.5	28.0	0.476	**6271000**	32 38
41		62.5	57.1	44.0	30.5	0.593	**6271190**	32 41
46		65.5	63.3	44.0	32.5	0.700	**6271270**	32 46
50		68.5	68.3	48.0	34.5	0.848	**6271350**	32 50
55		68.5	74.6	53.0	33.0	1.008	**6271430**	32 55
60		68.5	80.8	53.0	33.0	1.143	**6271510**	32 60

D 32 (MM)

SOCKET 3/4" bi-hexagon UD profile

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - D 20, ISO 1174, with locking pin
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, chrome-plated, polished
- * not standardised

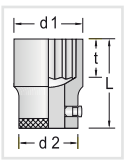


mm	*	L	d_1	d_2	t	kg	Code	No.
19	*	51.5	29.6	36.0	19.0	0.221	**6272160**	D 32 19
21		51.5	32.0	36.0	19.0	0.223	**6289800**	D 32 21
22		51.5	33.3	36.0	19.0	0.227	**6272240**	D 32 22
24		51.5	35.8	38.0	19.5	0.257	**6272320**	D 32 24
27		54.5	39.6	36.0	24.0	0.255	**6272400**	D 32 27
29	*	54.5	42.0	36.0	23.5	0.272	**6272590**	D 32 29
30		57.5	43.3	38.0	26.0	0.319	**6272670**	D 32 30
32		57.5	45.8	38.0	27.0	0.332	**6272750**	D 32 32
33	*	57.5	47.0	40.0	26.5	0.358	**6277040**	D 32 33
36		59.5	50.8	40.0	28.0	0.418	**6272830**	D 32 36
38	*	59.5	53.3	40.5	28.0	0.441	**6272910**	D 32 38
41		62.5	57.1	44.0	30.5	0.558	**6273050**	D 32 41
46		65.5	63.3	44.0	32.5	0.641	**6273130**	D 32 46
50		68.5	68.3	48.0	34.5	0.800	**6273210**	D 32 50
55		68.5	74.6	53.0	33.0	0.961	**6273480**	D 32 55
60		68.5	80.8	53.0	33.0	1.052	**6273560**	D 32 60

D 32 (AF)

SOCKET 3/4" bi-hexagon UD profile

- Square drive as per DIN 3120 - D 20, ISO 1174, with locking pin
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, chrome-plated, polished

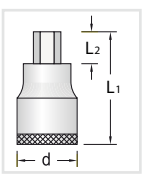


"AF	L	d_1	d_2	t	kg	Code	No.
7/8	51.5	33.6	36.0	19.0	0.227	**6274020**	D 32 7/8AF
15/16	51.5	35.6	38.0	19.5	0.262	**6274100**	D 32 15/16AF
1	51.5	37.6	36.0	22.0	0.229	**6274290**	D 32 1AF
1.1/16	54.5	39.6	36.0	24.0	0.256	**6274370**	D 32 1.1/16AF
1.1/8	54.5	41.5	36.0	24.0	0.268	**6274450**	D 32 1.1/8AF
1.1/4	57.5	45.5	38.0	27.0	0.333	**6274530**	D 32 1.1/4AF
1.5/16	57.5	47.5	40.0	26.5	0.377	**6274610**	D 32 1.5/16AF
1.3/8	59.5	49.5	40.0	28.0	0.407	**6274880**	D 32 1.3/8AF
1.7/16	59.5	51.4	40.0	28.0	0.413	**6274960**	D 32 1.7/16AF
1.1/2	59.5	53.3	40.5	28.0	0.431	**6275180**	D 32 1.1/2AF
1.5/8	62.5	57.4	44.0	30.5	0.539	**6275260**	D 32 1.5/8AF
1.11/16	62.5	59.4	44.0	30.5	0.568	**6275340**	D 32 1.11/16AF
1.3/4	65.5	61.4	44.0	32.5	0.627	**6275420**	D 32 1.3/4AF
1.13/16	65.5	63.3	44.0	32.5	0.637	**6275500**	D 32 1.13/16AF
1.7/8	65.5	65.3	44.0	32.5	0.664	**6275690**	D 32 1.7/8AF
2	68.5	69.2	48.0	34.5	0.811	**6275770**	D 32 2AF

IN 32

SCREWDRIVER BIT SOCKET 3/4" for in-hex screws

- Acc. to DIN 7422
- Square drive as per DIN 3120 - D 20, ISO 1174, with locking pin
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, manganese-phosphated

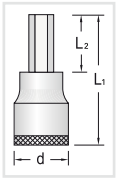


mm	L_1	L_2	d	kg	Code	No.
14	80	25.5	38	0.352	**6275850**	IN 32 14
17	80	25.5	38	0.394	**6275930**	IN 32 17
19	80	25.5	38	0.433	**6276070**	IN 32 19
22	80	25.5	38	0.482	**6276150**	IN 32 22

IN 32 L

SCREWDRIVER BIT SOCKET 3/4" for in-hex screws, long pattern

- Acc. to DIN 7422
- Square drive as per DIN 3120 - D 20, ISO 1174, with locking pin
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, manganese-phosphated

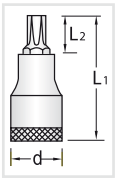


mm	L_1	L_2	d	kg	Code	No.
14	155	100	38	0.452	**2003503**	IN 32 L 14-155
17	155	100	38	0.540	**1353705**	IN 32 L 17-155
19	155	100	38	0.610	**2003511**	IN 32 L 19-155
22	155	100	38	0.730	**2003538**	IN 32 L 22-155

ITX 32

SCREWDRIVER BIT SOCKET 3/4" for recessed TORX® head screws

- Square drive as per DIN 3120 - D 20, ISO 1174, with locking pin
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



	M	mm	L_1	L_2	d	kg	Code	No.
T60	M14	13,25	80	25.5	38	0.346	**6271780**	ITX 32 T60
T70	M16	15,55	80	25.5	38	0.383	**6272080**	ITX 32 T70
T80	M18	17,58	80	25.5	38	0.416	**6273640**	ITX 32 T80
T90	M20	19,95	80	25.5	38	0.455	**6276230**	ITX 32 T90
T100	M22	21,16	80	25.5	38	0.461	**6276310**	ITX 32 T100

ACCESSORIES 20 (3/4")

3219

REDUCER 3/4" TO 1/2"

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated

"	□	■"	■	mm	kg	Code	No.
3/4	20	1/2	12.5	56	0.168	**6278010**	3219

3287

SLIDING T BAR 3/4"

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated

■"	■	mm	kg	Code	No.
3/4	20	500	1.161	**6278360**	3287

3221

CONVERTOR 3/4" TO 1"

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated

"	□	■"	■	mm	kg	Code	No.
3/4	20	1	25	60	0.337	**6278280**	3221

3290

EXTENSION 3/4"

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated

■"	■	mm	kg	Code	No.
3/4	20	200	0.574	**6278440**	3290-8
3/4	20	400	1.079	**6278520**	3290-16

3294

COUPLER 3/4"

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated

■"	■	⊢ mm ⊣	kg	Code	No.
3/4	20	51.5	0.133	**6279090**	3294

3296

SWIVEL HANDLE 3/4"

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated

■"	■	⊢ mm ⊣	kg	Code	No.
3/4	20	547	1.965	**6279250**	3296

3295

UNIVERSAL JOINT 3/4"

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated

■"	■	□"	□	⊢ mm ⊣	kg	Code	No.
3/4	20	3/4	20	108	0.580	**6279170**	3295

25 (1") SQUARE DRIVE

SETS 25 (1") METRIC

D 21 EMU-10

SOCKET SET 1" 15 pieces

- With forged, tempered UD profile sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With reversible lever change ratchet
- In GEDORIT blue sheet steel case
- Dimensions: 765 x 289 x 105 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-10 **K 2193 U-10 K**	**D 21** 36 41 46 50 55 60 65 70 75 80	**2190**-8 -16 **2187** G **2187** K	31.4	**6181600**	D 21 EMU-10

SETS 25 (1") INCH

D 21 EAU-10

SOCKET SET 1" 15 pieces

- With forged, tempered UD profile sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With reversible lever change ratchet
- In GEDORIT blue sheet steel case
- Dimensions: 765 x 289 x 105 mm

Ratchet	Sockets	Accessories	kg	Code	No.
U-10 **K 2193 U-10 K**	**D 21** 1.1/2 1.5/8 1.7/8 2 2.1/16 2.1/4 2.3/8 2.9/16 2.3/4 3"	**2190**-8 -16 **2187** G **2187** K	34.9	**6181790**	D 21 EAU-10

SETS 25 (1") WHITWORTH

D 21 EWU-10

SOCKET SET 1" 15 pieces

- With forged, tempered UD profile sockets, hand-operated
- With accessories made from GEDORE vanadium steel 31CrV3
- With reversible lever change ratchet
- In GEDORIT blue sheet steel case
- Dimensions: 765 x 289 x 105 mm

25 1" Whitw.

Ratchet	Sockets	Accessories	kg	Code	No.
U-10 **K 2193 U-10 K**	**D 21** 7/8 15/16 1 1.1/8 1.1/4 1.3/8 1.1/2 1.5/8 1.3/4 2W	**2190**-8 -16 **2187** G **2187** K	34.9	**6181870**	D 21 EWU-10

RATCHETS 25 (1")

2193 U-10

REVERSIBLE RATCHET 1"

25 1"

- Particularly for the demanding use experienced in industry and with utility vehicles
- Acc. to DIN 3122, ISO 3315
- With recessed lever change, locks in middle position
- Return angle 11.25 degrees
- Push-fit bar handle no. 2187 G
- For hand-operated sockets and accessories with square drive as per DIN 3120 - D 25, ISO 1174 with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated

Execution	■ "	■	∠ °	mm	mm	kg	Code	No.
complete	1	25	11,25	810	61.5	5.210	**6180550**	2193 U-10
head only	1	25		184	61.5	1.980	**6196120**	2193 U-10 K
tommy bar				700		3.275	**6195900**	2187 G

2193 U-3

REVERSIBLE RATCHET 1"

25 1"

- Especially for working in confined spaces, as with utility vehicles
- Acc. to DIN 3122, ISO 3315
- With non-slip metal disc change, fine-toothed (72 teeth) and robust
- Return angle 5 degrees
- Push-fit tube handle
- For hand-operated sockets and accessories with square drive as per DIN 3120 - D 25, ISO 1174, with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated

Execution	■ "	■	∠ °	mm	mm	kg	Code	No.
complete	1	25	5	720	76	4.160	**6180630**	2193 U-3
head only	1	25				2.000	**1637487**	2193 U-3 K
tube						2.175	**1382500**	2193 Z/17

2193 Z-94

RATCHET HANDLE WITH COUPLER 1"

25 1"

- Used throughout industry and the automotive world
- Acc. to DIN 3122, ISO 3315
- With square coupler, medium-fine toothed, extremely rugged
- Return angle 9 degrees
- Push-fit tube handle
- For hand-operated sockets and accessories with square drive as per DIN 3120 - D 25, ISO 1174 with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated

Execution	■ "	■	∠ °	mm	mm	kg	Code	No.
complete	1	25	9	720	41	4.115	**6181520**	2193 Z-94
head only	1	25				1.175	**1493779**	2193 Z K
tube						2.175	**1382500**	2193 Z/17

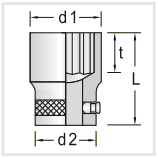
SOCKETS 25 (1")

D 21 (MM)

SOCKET 1" bi-hexagon UD profile

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - D 25, ISO 1174, with locking pin
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, chrome-plated
- * not standardised

25 | 1" | UNIT DRIVE | mm



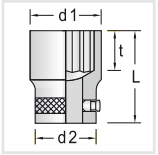
mm	*	L	d_1	d_2	t	kg	Code	No.
36	*	70.0	53.9	48.0	30.0	0.600	**6174900**	D 21 36
41		70.0	60.1	50.0	30.5	0.688	**6175040**	D 21 41
46		75.0	66.4	50.0	33.5	0.842	**6175120**	D 21 46
50		75.0	71.4	50.0	35.0	0.908	**6175200**	D 21 50
55		80.0	77.6	50.0	37.5	1.129	**6175390**	D 21 55
60		85.0	83.9	50.0	41.0	1.376	**6175470**	D 21 60
65		88.0	90.1	59.5	44.5	1.700	**6175550**	D 21 65
70		92.0	96.4	59.5	48.0	1.984	**6175630**	D 21 70
75		95.0	102.6	59.5	51.0	2.225	**6175710**	D 21 75
80		97.0	108.9	59.5	54.0	2.454	**6175980**	D 21 80

D 21 (WW)

SOCKET 1" bi-hexagon

- Square drive as per DIN 3120 - D 25, ISO 1174, with locking pin
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, chrome-plated

25 | 1" | Whitw.



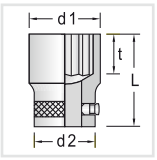
Whitw.	L	d_1	d_2	t	kg	Code	No.
7/8	70.0	55.8	48.0	30.0	0.648	**6178650**	D 21 7/8W
15/16	70.0	58.6	50.0	30.0	0.734	**6178730**	D 21 15/16W
1	70.0	61.9	50.0	30.5	0.726	**6178810**	D 21 1W
1.1/8	75.0	67.9	50.0	33.5	0.882	**6179030**	D 21 1.1/8W
1.1/4	75.0	74.0	50.0	35.0	0.982	**6179110**	D 21 1.1/4W
1.3/8	80.0	79.3	50.0	37.5	1.139	**6179380**	D 21 1.3/8W
1.1/2	85.0	85.1	50.0	41.0	1.551	**6179460**	D 21 1.1/2W
1.5/8	88.0	90.8	59.5	44.5	1.594	**6179540**	D 21 1.5/8W
1.3/4	92.0	96.4	59.5	48.0	1.876	**6179620**	D 21 1.3/4W
2	97.0	108.9	59.5	54.0	2.434	**6179700**	D 21 2W

D 21 (AF)

SOCKET 1" bi-hexagon

- Square drive as per DIN 3120 - D 25, ISO 1174, with locking pin
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, chrome-plated

25 | 1" | "AF



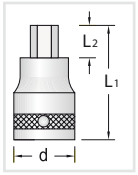
"AF	L	d_1	d_2	t	kg	Code	No.
1.1/2	70.0	56.5	48.0	30.0	0.649	**6176520**	D 21 1.1/2AF
1.5/8	70.0	60.1	50.0	30.5	0.701	**6176600**	D 21 1.5/8AF
1.13/16	75.0	66.4	50.0	33.5	0.835	**6176870**	D 21 1.13/16AF
1.7/8	75.0	68.4	50.0	33.5	0.890	**6176950**	D 21 1.7/8AF
2	75.0	72.4	50.0	35.0	0.944	**6177090**	D 21 2AF
2.1/16	75.0	74.0	50.0	35.0	0.987	**6177170**	D 21 2.1/16AF
2.3/16	80.0	78.3	50.0	37.5	1.181	**6177250**	D 21 2.3/16AF
2.1/4	80.0	80.3	50.0	37.5	1.230	**6177330**	D 21 2.1/4AF
2.3/8	85.0	83.9	50.0	41.0	1.398	**6177410**	D 21 2.3/8AF
2.7/16	85.0	86.2	50.0	41.0	1.544	**6177680**	D 21 2.7/16AF
2.9/16	88.0	90.1	59.5	44.5	1.788	**6177760**	D 21 2.9/16AF
2.5/8	88.0	92.2	59.5	44.5	1.813	**6177840**	D 21 2.5/8AF
2.3/4	92.0	96.4	59.5	48.0	2.065	**6177920**	D 21 2.3/4AF
2.13/16	92.0	98.2	59.5	48.0	2.140	**6178060**	D 21 2.13/16AF
2.15/16	95.0	102.6	59.5	51.0	2.307	**6178140**	D 21 2.15/16AF
3	95.0	104.1	59.5	51.0	2.349	**6178220**	D 21 3AF
3.1/8	97.0	108.9	59.5	54.0	2.556	**6178300**	D 21 3.1/8AF

IN 21

SCREWDRIVER BIT SOCKET 1" for in-hex screws

- Acc. to DIN 7422
- Square drive as per DIN 3120 - D 25, ISO 1174, with locking pin
- Hand-operated, knurled grip
- Chrome-plated
- With pressed-in pin in GEDORE vanadium special steel, manganese-phosphated
- * not standardised

25 | 1"



mm	*	L_1	L_2	d	kg	Code	No.
17		90	25.5	48	0.613	**6181010**	IN 21 17
19		90	25.5	48	0.676	**6181280**	IN 21 19
22		90	25.5	48	0.733	**6181360**	IN 21 22
24		90	25.5	48	0.784	**6181440**	IN 21 24
27	*	90	25.5	48	0.856	**6200680**	IN 21 27

ACCESSORIES 25 (1")

2132

REDUCER 1" TO 3/4"

25 1" 20 3/4"

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated

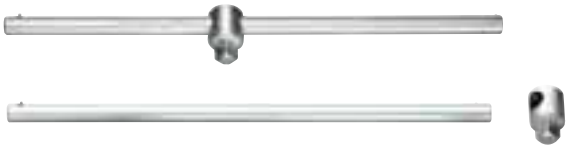
□"	□	■"	■	⊢mm⊣	kg	Code	No.
1	25	3/4	20	75	0.504	**6180040**	2132

2187

SLIDING T BAR 1"

25 1"

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated



Execution	■"	■	⊢mm⊣	kg	Code	No.
complete	1	25	700	3.955	**6180120**	2187
drive piece	1	25	80	0.680	**6196040**	2187 K
tommy bar			700	3.275	**6195900**	2187 G

2190

EXTENSION 1"

25 1"

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated

■"	■	⊢mm⊣	kg	Code	No.
1	25	200	1.182	**6180200**	2190-8
1	25	400	2.144	**6180390**	2190-16

2194

COUPLER 1"

25 1"

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated

■"	■	⊢mm⊣	kg	Code	No.
1	25	67.5	0.321	**6180710**	2194

2195

UNIVERSAL JOINT 1"

25 1"

- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with locking pin
- GEDORE vanadium steel 31CrV3, chrome-plated

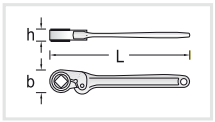
■"	■	□"	□	⊢mm⊣	kg	Code	No.
1	25	1	25	140	1.482	**6180980**	2195

FRICTION TYPE RATCHETS

31 KR

FRICTION TYPE RATCHET with ring UD profile or bi-hexagon

- Friction spanner (31 K) with exchangeable UD profile or bi-hexagon insert rings (31 R)
- Hexagon rings are available on request
- Especially in steel construction and scaffolding
- Flat shaft up to 30", push-fit tube handle from 35"
- GEDORE vanadium steel 31CrV3, manganese-phosphated
- Explanation of the article number: 31 KR 16-32 = ratchet 31 K 16" and insert ring 31 R 32 mm

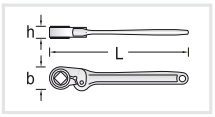


Ring	L	L "	h	b	kg	Code	No.
8	150	6	11.5	23.0	0.093	**6253020**	31 KR 6-8
10	150	6	11.5	23.0	0.088	**6253290**	31 KR 6-10
13	150	6	11.5	23.0	0.082	**6253530**	31 KR 6-13
15	205	8	15.5	31.2	0.220	**6253880**	31 KR 8-15
17	205	8	15.5	31.2	0.212	**6254180**	31 KR 8-17
19	255	10	17.5	38.0	0.346	**6254340**	31 KR 10-19
21	255	10	17.5	38.0	0.336	**6254500**	31 KR 10-21
22	255	10	17.5	38.0	0.330	**6254690**	31 KR 10-22
24	305	12	18.5	44.6	0.497	**6254850**	31 KR 12-24
26	305	12	18.5	44.6	0.482	**6255070**	31 KR 12-26
27	305	12	18.5	44.6	0.474	**6255150**	31 KR 12-27
28	305	12	18.5	44.6	0.466	**6255230**	31 KR 12-28
30	400	16	19.5	51.6	0.709	**6255580**	31 KR 16-30
32	400	16	19.5	51.6	0.684	**6255740**	31 KR 16-32
36	500	20	21.5	63.6	1.162	**6256120**	31 KR 20-36
41	500	20	21.5	63.6	1.098	**6256470**	31 KR 20-41
46	635	25	31.5	78.1	2.302	**6256550**	31 KR 25-46
50	635	25	31.5	78.1	2.213	**6256630**	31 KR 25-50
55	760	30	33.5	92.0	3.011	**6256710**	31 KR 30-55
60	760	30	33.5	92.0	2.879	**6256980**	31 KR 30-60
65	940	35	36.5	105.0	7.204	**6257010**	31 KR 35-65
70	940	35	36.5	105.0	7.023	**6257280**	31 KR 35-70
75	960	40	39.5	118.0	7.643	**6257360**	31 KR 40-75
80	960	40	39.5	118.0	7.392	**6257440**	31 KR 40-80
85	1150	45	46.0	133.0	9.790	**6257520**	31 KR 45-85
90	1150	45	46.0	133.0	9.479	**6257600**	31 KR 45-90
95	1400	55	55.0	160.0	16.370	**6257790**	31 KR 55-95
100	1400	55	55.0	160.0	15.970	**6257870**	31 KR 55-100
105	1400	55	55.0	160.0	15.535	**6257950**	31 KR 55-105

31 KVR

FRICTION TYPE RATCHET with square ring

- Friction spanner (31 K) with exchangeable square insert rings (31 VR)
- Especially in steel construction and scaffolding
- GEDORE vanadium steel 31CrV3, manganese phosphated
- Explanation of the article number: 31 KVR 8-12 = ratchet 31 K 8" and insert ring 31 VR 12 mm



Ring	L	L "	h	b	kg	Code	No.
8	150	6	11.5	23.0	0.091	**6266000**	31 KVR 6-8
9	150	6	11.5	23.0	0.089	**6266190**	31 KVR 6-9
10	150	6	11.5	23.0	0.087	**6266270**	31 KVR 6-10
12	205	8	15.5	31.2	0.228	**6266430**	31 KVR 8-12
14	205	8	15.5	31.2	0.221	**6266780**	31 KVR 8-14
17	255	10	17.5	38.0	0.353	**6267080**	31 KVR 10-17
19	255	10	17.5	38.0	0.346	**6267240**	31 KVR 10-19

31 K

FRICTION RATCHET HANDLE WITHOUT INSERT RING

- Friction spanner for insert rings 31 R and 31 VR
- Especially in steel construction and scaffolding
- GEDORE vanadium steel 31CrV3, manganese-phosphated

Ring	Ring	L	L "	Head Ø	kg	Code	No.
8-13	8-11	150	6	20	0.070	**6243060**	31 K 6
14-17	12-14	205	8	28	0.176	**6243140**	31 K 8
18-23	17-19	255	10	34	0.277	**6243220**	31 K 10
24-28		305	12	40	0.406	**6243300**	31 K 12
30-32		400	16	46	0.600	**6243490**	31 K 16
34-41		500	20	57	0.961	**6243570**	31 K 20
46-50		635	25	70	1.880	**6243650**	31 K 25
55-60		760	30	82	2.435	**6243730**	31 K 30
65-70		940	35	96	6.305	**6243810**	31 K 35
75-80		960	40	108	6.480	**6244030**	31 K 40
85-90		1150	45	120	8.245	**6244110**	31 K 45
95-105		1400	55	145	13.015	**6244460**	31 K 55
110-115		1500	60	153	14.100	**6244540**	31 K 60

31 R

INSERT RING FOR FRICTION RATCHET UD profile or bi-hexagon

- GEDORE vanadium steel 31CrV3, manganese-phosphated

		Ø		kg	Code	No.
8	UD	19.7	6	0.021	**6245000**	31 R 8
10		19.7	6	0.018	**6245270**	31 R 10
13		19.7	6	0.011	**6245510**	31 R 13
14		27.6	8	0.047	**6245780**	31 R 14
15		27.6	8	0.044	**6245860**	31 R 15
16		27.6	8	0.040	**6245940**	31 R 16
17		27.6	8	0.036	**6246080**	31 R 17
18		33.6	10	0.075	**6246160**	31 R 18
19		33.6	10	0.069	**6246240**	31 R 19
21		33.6	10	0.059	**6246400**	31 R 21
22		33.6	10	0.053	**6246590**	31 R 22
24		39.6	12	0.091	**6246750**	31 R 24
26		39.6	12	0.076	**6246910**	31 R 26
27		39.6	12	0.069	**6247050**	31 R 27
28		39.6	12	0.061	**6247130**	31 R 28
30		45.6	16	0.109	**6247480**	31 R 30
32		45.6	16	0.084	**6247640**	31 R 32
36		56.6	20	0.201	**6248020**	31 R 36
41		56.6	20	0.137	**6248370**	31 R 41
46		70.0	25	0.422	**6248450**	31 R 46
50		70.0	25	0.333	**6248530**	31 R 50
55		82.0	30	0.576	**6248610**	31 R 55
60		82.0	30	0.444	**6248880**	31 R 60
65		96.0	35	0.899	**6248960**	31 R 65
70		96.0	35	0.718	**6249180**	31 R 70
75		108.0	40	1.163	**6249260**	31 R 75
80		108.0	40	0.912	**6249340**	31 R 80
85		120.0	45	1.545	**6249420**	31 R 85
90		120.0	45	1.234	**6249500**	31 R 90
95		145.0	55	3.355	**6249690**	31 R 95
100		145.0	55	2.955	**6249770**	31 R 100
105		145.0	55	2.520	**6249850**	31 R 105

29

CONSTRUCTION RATCHET bi-hexagon

- Reversible ratchet with two different size heads, bi-hexagon and "rat-tail" handle
- Especially in steel construction and scaffolding

mm	L	h	b	kg	Code	No.
17 x 19	315	49.0	42.0	0.463	**1648934**	29 17x19
19 x 22	315	49.5	42.0	0.448	**1382853**	29 19X22
19 x 24	365	56.0	51.5	0.757	**1648926**	29 19x24
24 x 30	402	63.0	61.0	1.378	**6262790**	29 24x30
27 x 32	402	63.0	61.0	1.278	**6262950**	29 27x32
36 x 41	495	74.0	76.0	1.377	**6263170**	29 36x41

41 - 41 B

REVERSIBLE LEVER CHANGE RATCHET

- With permanently fixed UD profile insert
- GEDORE vanadium steel 31CrV3, chrome-plated

	°	mm	⟷ mm ⟷	kg	Code	No.
22	11,25	27.9	620	2.455	**6338790**	41 22
24	11,25	27.9	620	2.430	**6338870**	41 24
27	11,25	27.9	620	2.410	**6338950**	41 27
28	11,25	27.9	620	2.393	**6330030**	41 28
30	11,25	27.9	620	2.365	**6339170**	41 30
32	11,25	27.9	620	2.330	**6339250**	41 32
36	15,00	43.0	910	5.025	**6338360**	41 B 36
41	15,00	43.0	910	4.895	**6338440**	41 B 41
46	15,00	43.0	910	4.725	**6338520**	41 B 46

31 VR

INSERT RING FOR FRICTION RATCHET square

- GEDORE vanadium steel 31CrV3, manganese-phosphated

	Ø		kg	Code	No.
8	19.7	6	0.021	**6261200**	31 VR 8
9	19.7	6	0.018	**6261390**	31 VR 9
10	19.7	6	0.017	**6261470**	31 VR 10
12	27.6	8	0.052	**6261630**	31 VR 12
14	27.6	8	0.045	**6261980**	31 VR 14
17	33.6	10	0.076	**6262360**	31 VR 17
19	33.6	10	0.069	**6262520**	31 VR 19

41 V - 41 BV

REVERSIBLE LEVER CHANGE RATCHET

- With permanently fixed square insert
- Especially in steel construction and scaffolding
- GEDORE vanadium steel 31CrV3, chrome-plated

	°	mm	⟷ mm ⟷	kg	Code	No.
19	11,25	27.9	620	2.475	**6339410**	41 V 19
22	11,25	27.9	620	2.450	**6339680**	41 V 22
24	11,25	27.9	620	2.420	**6339760**	41 V 24
27	11,25	27.9	620	2.385	**6339840**	41 V 27
30	15,00	43.0	910	5.115	**6338600**	41 BV 30
32	15,00	43.0	910	5.075	**6339330**	41 BV 32
36	15,00	43.0	910	4.970	**6339920**	41 BV 36

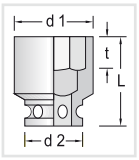
IMPACT TOOLS

6.3 (1/4") SQUARE DRIVE

K 20 (MM)

IMPACT SOCKET 1/4" hexagon

- Acc. to DIN 3129, ISO 2725-2
- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 6.3, ISO 1174
- GEDORE special steel, gun-metal finish
- * not standardised

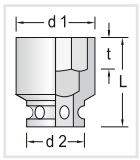


mm	L	d_1	d_2	t	*	recommended accessories	kg	Code	No.
5.5	23	9.5	13	3		KB 2070, KB 2075	0.016	**6198090**	K 20 5,5
6.0	23	10.0	13	3		KB 2070, KB 2075	0.016	**6198170**	K 20 6
7.0	23	11.3	13	3		KB 2070, KB 2075	0.016	**6198250**	K 20 7
8.0	23	12.5	13	4		KB 2070, KB 2075	0.016	**6198330**	K 20 8
9.0	23	13.8	13	4		KB 2070, KB 2075	0.017	**6198410**	K 20 9
10.0	23	15.0	13	5		KB 2070, KB 2075	0.018	**6198680**	K 20 10
11.0	23	16.3	13	5		KB 2070, KB 2075	0.020	**6198760**	K 20 11
12.0	23	17.0	13	6		KB 2070, KB 2075	0.023	**6198840**	K 20 12
13.0	23	18.8	13	6		KB 2070, KB 2075	0.024	**6198920**	K 20 13
14.0	25	20.0	13	7	*	KB 2070, KB 2075	0.035	**6199060**	K 20 14
17.0	26	23.8	13	7	*	KB 2070, KB 2075	0.037	**6199140**	K 20 17

K 20 (AF)

IMPACT SOCKET 1/4" hexagon

- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 6.3, ISO 1174
- GEDORE special steel, gun-metal finish



"AF	L	d_1	d_2	t	recommended accessories	kg	Code	No.
3/16	23	8.5	13	3	KB 2070, KB 2075	0.015	**6199220**	K 20 3/16AF
1/4	23	10.3	13	3	KB 2070, KB 2075	0.017	**6199300**	K 20 1/4AF
5/16	23	12.5	13	3	KB 2070, KB 2075	0.016	**6199490**	K 20 5/16AF
3/8	23	15.0	13	4	KB 2070, KB 2075	0.018	**6199570**	K 20 3/8AF
7/16	23	16.3	13	6	KB 2070, KB 2075	0.021	**6199650**	K 20 7/16AF

KB 2090

EXTENSION 1/4" for impact sockets

- With square drive as per DIN 3121 - G 6.3, ISO 1174
- GEDORE special steel, gun-metal finish

"		mm	kg	Code	No.
1/4	6.3	50	0.026	**6201140**	KB 2090-2

KB 2070 - KB 2075

SAFETY RING AND SAFETY PIN for impact sockets 1/4"

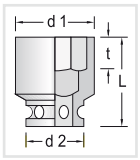
Description	Ø	mm	kg	Code	No.
Safety ring d 9 mm	9.0		0.005	**6200920**	KB 2070
Safety pin d 1.5 mm	1.5	10	0.005	**6201060**	KB 2075

10 (3/8") SQUARE DRIVE

K 30

IMPACT SOCKET 3/8" hexagon

- Acc. to DIN 3129, ISO 2725-2
- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 10, ISO 1174
- GEDORE special steel, gun-metal finish
- * not standardised



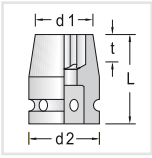
mm	L	d_1	d_2	t	*	recommended accessories	kg	Code	No.
6	30	11.0	19	3.0	*	KB 3070 6-12, KB 3075 6-12	0.045	**6251160**	K 30 6
7	30	12.5	19	3.0		KB 3070 6-12, KB 3075 6-12	0.046	**6251240**	K 30 7
8	30	14.5	19	4.0		KB 3070 6-12, KB 3075 6-12	0.046	**6251320**	K 30 8
9	30	15.0	19	4.0		KB 3070 6-12, KB 3075 6-12	0.046	**6251400**	K 30 9
10	30	16.0	19	5.0		KB 3070 6-12, KB 3075 6-12	0.046	**6251590**	K 30 10
11	30	17.5	19	5.0		KB 3070 6-12, KB 3075 6-12	0.046	**6251670**	K 30 11
12	30	19.0	19	6.0		KB 3070 6-12, KB 3075 6-12	0.046	**6251750**	K 30 12
13	30	19.0	22	6.0		KB 3070 13-24, KB 3075 13-24	0.063	**6251830**	K 30 13
14	30	21.0	22	7.0		KB 3070 13-24, KB 3075 13-24	0.063	**6251910**	K 30 14
15	30	22.0	22	7.0		KB 3070 13-24, KB 3075 13-24	0.062	**6252050**	K 30 15
16	30	24.0	22	8.0		KB 3070 13-24, KB 3075 13-24	0.066	**6252130**	K 30 16
17	30	25.0	22	9.0		KB 3070 13-24, KB 3075 13-24	0.068	**6252210**	K 30 17
18	30	26.0	22	9.0		KB 3070 13-24, KB 3075 13-24	0.075	**6252480**	K 30 18
19	30	27.5	22	9.5		KB 3070 13-24, KB 3075 13-24	0.076	**6252560**	K 30 19
20	30	28.0	22	10.0	*	KB 3070 13-24, KB 3075 13-24	0.084	**6252640**	K 30 20
21	30	30.0	22	11.0	*	KB 3070 13-24, KB 3075 13-24	0.089	**6252720**	K 30 21
22	30	32.0	23	11.0	*	KB 3070 13-24, KB 3075 13-24	0.093	**6252800**	K 30 22
23	30	32.0	23	13.0	*	KB 3070 13-24, KB 3075 13-24	0.095	**6252990**	K 30 23
24	30	35.0	23	13.0	*	KB 3070 13-24, KB 3075 13-24	0.105	**6254420**	K 30 24

TX K 30

IMPACT SOCKET 3/8" for protruding TORX® head screws

10 | 3/8"

- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 10, ISO 1174
- GEDORE special steel, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



		mm	L	d_1	d_2	t	recommended accessories	kg	Code	No.
E5	M4	4,73	32	9.0	19	5	KB 3070 6-12, KB 3075 6-12	0.042	**6265030**	TX K 30 E5
E6	M5	5,74	32	10.0	19	5	KB 3070 6-12, KB 3075 6-12	0.044	**6265110**	TX K 30 E6
E7	M6	6,16	32	10.0	19	7	KB 3070 6-12, KB 3075 6-12	0.044	**6265380**	TX K 30 E7
E8	M6 - M7	7,52	32	10.5	19	8	KB 3070 6-12, KB 3075 6-12	0.048	**6265460**	TX K 30 E8
E10	M8	9,42	32	12.5	19	9	KB 3070 6-12, KB 3075 6-12	0.048	**6265540**	TX K 30 E10
E12	M10	11,17	32	15.0	19	10	KB 3070 6-12, KB 3075 6-12	0.047	**6265620**	TX K 30 E12
E14	M12	12,90	32	19.0	19	12	KB 3070 6-12, KB 3075 6-12	0.046	**6265700**	TX K 30 E14

KB 3019

CONVERTOR 3/8" TO 1/2" for impact sockets

10 | 3/8" | 12,5 | 1/2"

- With square drive as per DIN 3121 - G 10, ISO 1174
- GEDORE special steel, manganese-phosphated

□"	□	■"	■	mm	kg	Code	No.
3/8	10	1/2	12.5	33	0.061	**6263410**	KB 3019

KB 3020

REDUCER 3/8" TO 1/4" for impact sockets

10 | 3/8" | 6,3 | 1/4"

- With square drive as per DIN 3121 - G 10, ISO 1174
- GEDORE special steel, manganese-phosphated

□"	□	■"	■	mm	kg	Code	No.
3/8	10	1/4	6.3	31	0.034	**6263250**	KB 3020

KB 3090

EXTENSION 3/8" for impact sockets

10 | 3/8"

- With square drive as per DIN 3121 - G 10, ISO 1174
- GEDORE special steel, manganese-phosphated

■"	■	mm	kg	Code	No.
3/8	10	75	0.090	**6261710**	KB 3090-3
3/8	10	125	0.149	**6262010**	KB 3090-5
3/8	10	250	0.298	**6262280**	KB 3090-10

KB 3095

UNIVERSAL JOINT 3/8" for impact sockets

10 | 3/8"

- With square drive as per DIN 3121 - G 10, ISO 1174
- GEDORE special steel, manganese-phosphated

□"	□	■"	■	mm	kg	Code	No.
3/8	10	3/8	10	50	0.072	**6262440**	KB 3095

KB 3070 - KB 3075

SAFETY RING AND SAFETY PIN for impact sockets 3/8"

10 | 3/8"

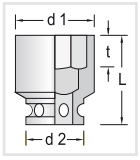
Description	Ø	mm	kg	Code	No.
Safety ring d 14 mm	14.0		0.002	**6260820**	KB 3070 6-12
Safety ring d 15.5 mm	15.5		0.002	**6260900**	KB 3070 13-24
Safety pin d 2.5 mm	2.5	14	0.005	**6261040**	KB 3075 6-12
Safety pin d 2.5 mm	2.5	16	0.002	**6261120**	KB 3075 13-24

SECURING WITH PIN AND RING

K 19 (MM)

IMPACT SOCKET 1/2" hexagon

- Acc. to DIN 3129, ISO 2725-2
- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 12.5, ISO 1174
- GEDORE special steel, gun-metal finish
- * not standardised

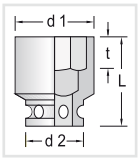


mm	L	d_1	d_2	t	*	recommended accessories	kg	Code	No.
10	38	17.0	25	5.0		KB 1970 10-14, KB 1975 10-14	0.082	**6160280**	K 19 10
11	38	19.0	25	5.0		KB 1970 10-14, KB 1975 10-14	0.085	**6160360**	K 19 11
12	38	20.0	25	6.0		KB 1970 10-14, KB 1975 10-14	0.084	**6160440**	K 19 12
13	38	21.0	25	6.0		KB 1970 10-14, KB 1975 10-14	0.081	**6160520**	K 19 13
14	38	22.0	25	7.0		KB 1970 10-14, KB 1975 10-14	0.082	**6160600**	K 19 14
15	38	24.0	30	7.0		KB 1970 15-27, KB 1975 15-27	0.125	**6161680**	K 19 15
16	38	25.0	30	8.0		KB 1970 15-27, KB 1975 15-27	0.124	**6160790**	K 19 16
17	38	26.0	30	9.0		KB 1970 15-27, KB 1975 15-27	0.123	**6160870**	K 19 17
18	38	27.5	30	9.0		KB 1970 15-27, KB 1975 15-27	0.122	**6160950**	K 19 18
19	38	27.5	30	9.5		KB 1970 15-27, KB 1975 15-27	0.119	**6161090**	K 19 19
21	38	30.0	30	11.0		KB 1970 15-27, KB 1975 15-27	0.137	**6161170**	K 19 21
22	38	32.0	30	11.0		KB 1970 15-27, KB 1975 15-27	0.142	**6161250**	K 19 22
23	38	32.0	30	13.0	*	KB 1970 15-27, KB 1975 15-27	0.148	**6161330**	K 19 23
24	45	35.0	30	13.0		KB 1970 15-27, KB 1975 15-27	0.154	**6161410**	K 19 24
27	50	38.0	30	13.0		KB 1970 15-27, KB 1975 15-27	0.180	**6182680**	K 19 27
30	50	41.0	30	16.0	*	KB 1970 15-27, KB 1975 15-27	0.256	**1560557**	K 19 30
32	50	44.0	30	17.0	*	KB 1970 15-27, KB 1975 15-27	0.286	**1783742**	K 19 32

K 19 (AF)

IMPACT SOCKET 1/2" hexagon

- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 12.5, ISO 1174
- GEDORE special steel, gun-metal finish

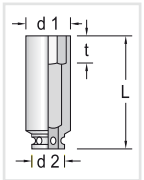


"AF	L	d_1	d_2	t	recommended accessories	kg	Code	No.
3/8	38	16.0	25	4.0	KB 1970 10-14, KB 1975 10-14	0.079	**6166990**	K 19 3/8AF
7/16	38	18.0	25	6.0	KB 1970 10-14, KB 1975 10-14	0.079	**6162300**	K 19 7/16AF
1/2	38	20.0	25	6.0	KB 1970 10-14, KB 1975 10-14	0.078	**6162650**	K 19 1/2AF
9/16	38	22.0	25	7.0	KB 1970 10-14, KB 1975 10-14	0.080	**6163030**	K 19 9/16AF
5/8	38	25.0	25	8.0	KB 1970 15-27, KB 1975 15-27	0.121	**6163460**	K 19 5/8AF
11/16	38	25.0	25	9.0	KB 1970 15-27, KB 1975 15-27	0.121	**6163700**	K 19 11/16AF
3/4	38	27.5	30	9.5	KB 1970 15-27, KB 1975 15-27	0.115	**6163970**	K 19 3/4AF
13/16	38	30.0	30	11.0	KB 1970 15-27, KB 1975 15-27	0.131	**6168420**	K 19 13/16AF
7/8	38	32.0	30	13.0	KB 1970 15-27, KB 1975 15-27	0.141	**6169820**	K 19 7/8AF
15/16	38	35.0	30	13.0	KB 1970 15-27, KB 1975 15-27	0.156	**6164190**	K 19 15/16AF
1	38	35.0	30	13.0	KB 1970 15-27, KB 1975 15-27	0.169	**6169900**	K 19 1AF
1.1/16	50	38.0	30	13.0	KB 1970 15-27, KB 1975 15-27	0.173	**6164350**	K 19 1.1/16AF
1.1/8	40	38.0	30	16.5	KB 1970 15-27, KB 1975 15-27	0.180	**6164510**	K 19 1.1/8AF
1.1/4	40	44.0	35	17.0	KB 1970 15-27, KB 1975 15-27	0.284	**6165240**	K 19 1.1/4AF
1.5/16	43	45.0	35	19.0	KB 1970 15-27, KB 1975 15-27	0.296	**6165320**	K 19 1.5/16AF

K 19 L

IMPACT SOCKET 1/2" hexagon, long pattern

- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 12.5, ISO 1174
- GEDORE special steel, manganese-phosphated



mm	L	d_1	d_2	t	recommended accessories	kg	Code	No.
8	77	15.3	25	12	KB 1970 10-14, KB 1975 10-14	0.124	**6163110**	K 19 L 8
10	77	17.8	25	12	KB 1970 10-14, KB 1975 10-14	0.140	**6163380**	K 19 L 10
13	77	21.5	25	13	KB 1970 10-14, KB 1975 10-14	0.158	**6163540**	K 19 L 13
14	77	22.8	25	13	KB 1970 10-14, KB 1975 10-14	0.171	**6163620**	K 19 L 14
16	77	24.0	30	14	KB 1970 15-27, KB 1975 15-27	0.208	**6197790**	K 19 L 16
17	80	26.5	30	15	KB 1970 15-27, KB 1975 15-27	0.230	**6163890**	K 19 L 17
18	82	27.8	30	15	KB 1970 15-27, KB 1975 15-27	0.255	**6197870**	K 19 L 18
19	82	29.0	30	17	KB 1970 15-27, KB 1975 15-27	0.265	**6164000**	K 19 L 19
21	82	31.5	30	17	KB 1970 15-27, KB 1975 15-27	0.306	**6162730**	K 19 L 21
22	82	32.8	30	19	KB 1970 15-27, KB 1975 15-27	0.318	**6164270**	K 19 L 22
23	82	34.0	30	19	KB 1970 15-27, KB 1975 15-27	0.328	**6199810**	K 19 L 23
24	82	35.3	30	21	KB 1970 15-27, KB 1975 15-27	0.358	**6164430**	K 19 L 24
27	82	39.0	30	22	KB 1970 15-27, KB 1975 15-27	0.396	**6164780**	K 19 L 27

K 19 LD

IMPACT SOCKET 1/2" hexagon, long pattern, for cars

- Suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 12.5, ISO 1174
- GEDORE special steel, gun-metal finish

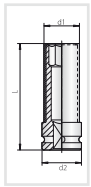
mm	L	d_1	d_2	t	recommended accessories	kg	Code	No.
17	78	25	30	9.0	KB 1970 15-27, KB 1975 15-27	0.238	**6149120**	K 19 LD 17
19	78	27	30	9.5	KB 1970 15-27, KB 1975 15-27	0.274	**6149200**	K 19 LD 19

SECURING WITH PIN AND RING

K 19 LS

IMPACT SOCKET 1/2" WITH PROTECTIVE SLEEVE hexagon, long pattern

- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 12.5, ISO 1174
- Thin-walled to protect the alloy wheels
- GEDORE special steel, manganese-phosphated

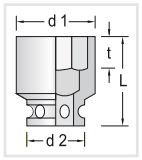


mm	Colour	RAL	L	d_1	d_2	t	recommended accessories	kg	Code	No.
17	Traffic blue	5017	81	27.0	30	15	KB 1970 15-27, KB 1975 15-27	0.200	**2178214**	K 19 LS 17
19	Traffic green	6024	82	29.0	30	17	KB 1970 15-27, KB 1975 15-27	0.210	**2178222**	K 19 LS 19
21	Traffic red	3020	82	30.5	30	17	KB 1970 15-27, KB 1975 15-27	0.230	**2178230**	K 19 LS 21
22	Traffic yellow	1023	82	32.3	30	19	KB 1970 15-27, KB 1975 15-27	0.260	**2178249**	K 19 LS 22

KR 19

IMPACT SOCKET 1/2" hexagon, for cars

- Suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 12.5, ISO 1174
- GEDORE special steel, gun-metal finish

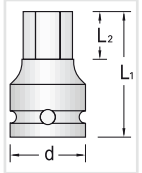


mm	L	d_1	d_2	t	recommended accessories	kg	Code	No.
17	38	30	30	14	KB 1970 15-27, KB 1975 15-27	0.174	**6162490**	KR 19 17
19	38	33	30	18	KB 1970 15-27, KB 1975 15-27	0.186	**6162570**	KR 19 19

IN K 19

IMPACT SCREWDRIVER BIT SOCKET 1/2" for in-hex screws

- Suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 12.5, ISO 1174
- GEDORE special steel, manganese-phosphated

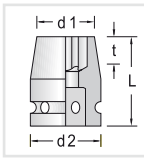


mm	L_1	L_2	d	recommended accessories	kg	Code	No.
5	44	7.5	25	KB 1970 10-14, KB 1975 10-14	0.073	**6223970**	IN K 19 5
6	44	9.0	25	KB 1970 10-14, KB 1975 10-14	0.072	**6224000**	IN K 19 6
8	44	11.0	25	KB 1970 10-14, KB 1975 10-14	0.077	**6224190**	IN K 19 8
10	44	13.0	25	KB 1970 10-14, KB 1975 10-14	0.079	**6224270**	IN K 19 10
12	50	15.0	30	KB 1970 15-27, KB 1975 15-27	0.136	**6224350**	IN K 19 12
14	50	17.0	30	KB 1970 15-27, KB 1975 15-27	0.144	**6225320**	IN K 19 14
17	50	19.0	30	KB 1970 15-27, KB 1975 15-27	0.157	**6225670**	IN K 19 17

TX K 19

IMPACT SOCKET 1/2" for protruding TORX® head screws

- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 12.5, ISO 1174
- GEDORE special steel, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



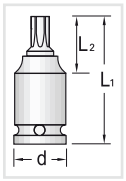
	M	mm	L	d_1	d_2	t	recommended accessories	kg	Code	No.
E10	M8	9,42	38	15.0	25	9	KB 1970 10-14, KB 1975 10-14	0.084	**6223110**	TX K 19 E10
E12	M10	11,17	38	16.0	25	10	KB 1970 10-14, KB 1975 10-14	0.085	**6223380**	TX K 19 E12
E14	M12	12,90	38	18.5	25	12	KB 1970 10-14, KB 1975 10-14	0.086	**6223460**	TX K 19 E14
E16	M12	14,76	38	20.0	25	12	KB 1970 10-14, KB 1975 10-14	0.088	**6223540**	TX K 19 E16
E18	M14	16,70	38	22.0	25	12	KB 1970 10-14, KB 1975 10-14	0.087	**6223620**	TX K 19 E18
E20	M16	18,45	38	25.0	30	13	KB 1970 15-27, KB 1975 15-27	0.140	**6223700**	TX K 19 E20
E24	M18 - M20	22,16	45	28.5	30	17	KB 1970 15-27, KB 1975 15-27	0.137	**6223890**	TX K 19 E24

19 LMU-10 198

ITX K 19

IMPACT SCREWDRIVER BIT SOCKET 1/2" for recessed TORX® head screws

- Square drive as per DIN 3121 - G 12.5, ISO 1174
- GEDORE special steel, manganese-phosphated
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



	M	mm	L1	L2	d	recommended accessories	kg	Code	No.
T30	M6 - M7	5,52	57	26	25	KB 1970 10-14, KB 1975 10-14	0.075	**6197280**	ITX K 19 T30
T40	M7 - M8	6,65	57	26	25	KB 1970 10-14, KB 1975 10-14	0.077	**6197360**	ITX K 19 T40
T45	M8 - M10	7,82	57	26	25	KB 1970 10-14, KB 1975 10-14	0.078	**1603124**	ITX K 19 T45
T50	M10	8,83	57	26	25	KB 1970 10-14, KB 1975 10-14	0.079	**6197440**	ITX K 19 T50
T55	M12	11,22	57	26	25	KB 1970 10-14, KB 1975 10-14	0.084	**6197520**	ITX K 19 T55
T60	M14	13,25	60	26	25	KB 1970 10-14, KB 1975 10-14	0.088	**6197600**	ITX K 19 T60

KB 1930

REDUCER 1/2" TO 3/8" for impact sockets

- With square drive as per DIN 3121 - G 12.5, Form F, G, and H
- GEDORE special steel, manganese-phosphated

□"	□	■"	■	mm	kg	Code	No.
1/2	12.5	3/8	10	38	0.081	**6650370**	KB 1930

KB 1932

CONVERTOR 1/2" TO 3/4" for impact sockets

- With square drive as per DIN 3121 - G 12.5, Form F, G, and H
- GEDORE special steel, manganese-phosphated

□"	□	■"	■	mm	kg	Code	No.
1/2	12.5	3/4	20	48	0.146	**6650020**	KB 1932

KB 1990

EXTENSION 1/2" for impact sockets

- With square drive as per DIN 3121 - G 12.5, Form F, G, and H
- GEDORE special steel, manganese-phosphated

■"	■	mm	kg	Code	No.
1/2	12.5	125	0.256	**6655250**	KB 1990-5
1/2	12.5	250	0.461	**6650100**	KB 1990-10

KB 1995

UNIVERSAL JOINT 1/2" for impact sockets

- With square drive as per DIN 3121 - G 12.5, Form F, G, and H
- GEDORE special steel, manganese-phosphated

■"	■	□"	□	mm	kg	Code	No.
1/2	12.5	1/2	12.5	62	0.202	**6655410**	KB 1995

KB 1970 - KB 1975

SAFETY RING AND SAFETY PIN for impact sockets 1/2"

Description	Ø	mm	kg	Code	No.
Safety ring d 19 mm	19		0.002	**6654790**	KB 1970 10-14
Safety ring d 24 mm	24		0.002	**6654870**	KB 1970 15-27
Safety pin d 3 mm	3	20	0.002	**6654950**	KB 1975 10-14
Safety pin d 3 mm	3	25	0.002	**6655090**	KB 1975 15-27

K 19-028

IMPACT SOCKET SET 1/2" 5 pieces

- 5 impact sockets, machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 12.5, ISO 1174
- GEDORE special steel, gun-metal finish
- In black plastic case

Sockets	kg	Code	No.
10 13 17 19 24	0.749	**1646923**	K 19-028

K 19 LS-004

IMPACT SOCKET SET 1/2" 4 pieces

- 4 impact sockets with protective sleeve, hexagon, long pattern
- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 12.5, ISO 1174
- Thin-walled to protect the alloy wheels
- GEDORE special steel, manganese-phosphated

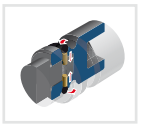
Sockets	kg	Code	No.
K 19 LS 17 19 21 22	0.980	**2790831**	K 19 LS-004

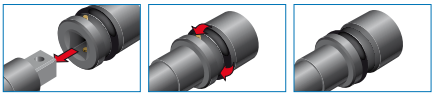
K 32 S

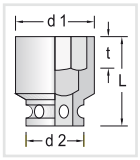
IMPACT SOCKET 3/4" WITH IMPACT-FIX LOCK
hexagon UD profile

20 | 3/4" | UNIT DRIVE

- Acc. to DIN 3129, ISO 2725-2
- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 20, ISO 1174
- GEDORE vanadium steel 59CrV4
- Gun-metal finish
- DBGM (German utility patent)
- Particularly suitable for working in sensitive areas permanently governed by certainty against loss, process reliability and occupational safety
- Examples: overhead power line construction, wind power plants or the automotive sector







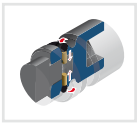
mm	L	d_1	d_2	t	kg	Code	No.
17	45	31.1	44	7.0	0.400	**2734060**	K 32 S 17
18	45	32.4	44	8.4	0.420	**2734079**	K 32 S 18
19	45	33.6	44	8.4	0.400	**2734095**	K 32 S 19
22	46	37.4	44	9.8	0.400	**2734176**	K 32 S 22
24	46	39.9	44	11.2	0.340	**2734184**	K 32 S 24
27	48	43.6	44	12.6	0.400	**2734206**	K 32 S 27
30	52	47.4	44	14.0	0.400	**2734214**	K 32 S 30
32	52	49.9	44	15.4	0.400	**2734230**	K 32 S 32
33	54	51.0	44	15.4	0.400	**2734257**	K 32 S 33
34	54	52.4	44	15.4	0.400	**2734265**	K 32 S 34
36	56	54.9	44	16.8	0.500	**2734273**	K 32 S 36
38	59	57.0	44	16.8	0.500	**2734281**	K 32 S 38
41	59	61.1	44	18.9	0.560	**2734303**	K 32 S 41

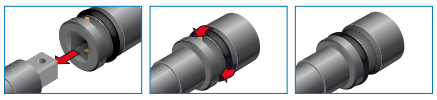
K 32 SL

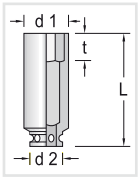
IMPACT SOCKET 3/4" WITH IMPACT-FIX LOCK
hexagon UD profile, long pattern

20 | 3/4" | UNIT DRIVE

- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 20, ISO 1174
- GEDORE vanadium steel 59CrV4
- Gun-metal finish
- DBGM (German utility patent)
- Particularly suitable for working in sensitive areas permanently governed by certainty against loss, process reliability and occupational safety
- Examples: overhead power line construction, wind power plants or the automotive sector







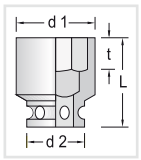
mm	L	d_1	d_2	t	kg	Code	No.
17	90	31.1	44	7.0	0.560	**2734311**	K 32 SL 17
19	90	32.4	44	8.4	0.600	**2734338**	K 32 SL 19
21	90	36.1	44	9.8	0.600	**2734346**	K 32 SL 21
22	90	37.4	44	9.8	0.620	**2734354**	K 32 SL 22
24	90	39.9	44	11.2	0.620	**2734362**	K 32 SL 24
27	90	43.6	44	12.6	0.600	**2734370**	K 32 SL 27
30	90	47.4	44	14.0	0.600	**2734389**	K 32 SL 30
32	90	49.9	44	15.4	0.700	**2734397**	K 32 SL 32
33	90	51.0	44	15.4	0.800	**2734400**	K 32 SL 33
34	90	52.4	44	15.4	0.800	**2734419**	K 32 SL 34
36	90	54.9	44	16.8	0.800	**2734427**	K 32 SL 36
41	90	61.1	44	18.9	0.980	**2734435**	K 32 SL 41

FEATURES IMPACT-FIX 238

K 32 (MM)

IMPACT SOCKET 3/4" hexagon

- Acc. to DIN 3129, ISO 2725-2
- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 20, ISO 1174
- GEDORE special steel, gun-metal finish
- * not standardised

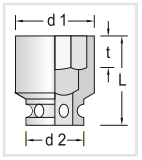


mm	L	d_1	d_2	t	*	recommended accessories	kg	Code	No.
17	45	29	44	9.0		KB 3270, KB 3275	0.300	**6282040**	K 32 17
18	45	32	44	9.0		KB 3270, KB 3275	0.300	**6289990**	K 32 18
19	45	32	44	9.5		KB 3270, KB 3275	0.293	**6282120**	K 32 19
22	46	38	44	11.0		KB 3270, KB 3275	0.345	**6282200**	K 32 22
24	46	40	44	13.0		KB 3270, KB 3275	0.339	**6282390**	K 32 24
27	48	41	44	13.0		KB 3270, KB 3275	0.339	**6282470**	K 32 27
30	52	44	44	16.5		KB 3270, KB 3275	0.352	**6282550**	K 32 30
32	52	49	44	17.0		KB 3270, KB 3275	0.407	**6282630**	K 32 32
33	55	49	44	17.0	*	KB 3270, KB 3275	0.430	**6283010**	K 32 33 (3/4W)
34	55	52	44	19.0		KB 3270, KB 3275	0.475	**6281580**	K 32 34
36	56	52	44	19.0		KB 3270, KB 3275	0.444	**6282710**	K 32 36
38	59	54	44	22.0	*	KB 3270, KB 3275	0.481	**6281740**	K 32 38
41	59	57	44	22.0		KB 3270, KB 3275	0.500	**6282980**	K 32 41

K 32 (AF)

IMPACT SOCKET 3/4" hexagon

- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 20, ISO 1174
- GEDORE special steel, gun-metal finish

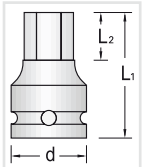


"AF	L	d_1	d_2	t	recommended accessories	kg	Code	No.
13/16	46	35	44	11.0	KB 3270, KB 3275	0.349	**6285300**	K 32 13/16AF
7/8	46	38	44	13.0	KB 3270, KB 3275	0.354	**6284410**	K 32 7/8AF
15/16	46	40	44	13.0	KB 3270, KB 3275	0.342	**6284680**	K 32 15/16AF
1	46	41	44	13.0	KB 3270, KB 3275	0.340	**6285490**	K 32 1AF
1.1/16	48	41	44	13.0	KB 3270, KB 3275	0.347	**6285650**	K 32 1.1/16AF
1.1/8	52	44	44	16.5	KB 3270, KB 3275	0.367	**6284760**	K 32 1.1/8AF
1.1/4	52	49	44	17.0	KB 3270, KB 3275	0.418	**6284840**	K 32 1.1/4AF
1.5/16	55	49	44	19.0	KB 3270, KB 3275	0.417	**6284920**	K 32 1.5/16AF
1.3/8	55	52	44	19.0	KB 3270, KB 3275	0.452	**6285730**	K 32 1.3/8AF
1.7/16	56	52	44	19.0	KB 3270, KB 3275	0.439	**6285060**	K 32 1.7/16AF
1.1/2	59	54	44	22.0	KB 3270, KB 3275	0.480	**6285140**	K 32 1.1/2AF
1.5/8	59	57	44	22.0	KB 3270, KB 3275	0.497	**6285810**	K 32 1.5/8AF
1.11/16	64	63	44	25.0	KB 3270, KB 3275	0.674	**6286030**	K 32 1.11/16AF
1.3/4	64	63	44	25.5	KB 3270, KB 3275	0.639	**6286110**	K 32 1.3/4AF
1.7/8	67	67	54	27.0	KB 3270, KB 3275	0.873	**6286380**	K 32 1.7/8AF
2	67	73	54	27.0	KB 3270, KB 3275	0.995	**6286460**	K 32 2AF

IN K 32

IMPACT SCREWDRIVER BIT SOCKET 3/4" for in-hex screws

- Suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 20, ISO 1174
- GEDORE special steel, manganese-phosphated



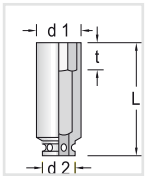
mm	L_1	L_2	d	recommended accessories	kg	Code	No.
14	59	14	38	KB 3270, KB 3275	0.440	**1956477**	IN K 32 14
17	62	17	38	KB 3270, KB 3275	0.495	**1956485**	IN K 32 17
19	64	19	44	KB 3270, KB 3275	0.530	**1956493**	IN K 32 19
22	67	22	44	KB 3270, KB 3275	0.590	**1956507**	IN K 32 22
24	67	24	44	KB 3270, KB 3275	0.630	**1956515**	IN K 32 24
27	67	27	44	KB 3270, KB 3275	0.695	**1956523**	IN K 32 27

SECURING WITH PIN AND RING

K 32 L

IMPACT SOCKET 3/4" hexagon, long pattern

- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 20, ISO 1174
- GEDORE special steel, gun-metal finish



mm	L	d_1	d_2	t	recommended accessories	kg	Code	No.
17	90	29	44	9.0	KB 3270, KB 3275	0.727	**6283600**	K 32 L 17
19	90	32	44	9.5	KB 3270, KB 3275	0.720	**6283790**	K 32 L 19
21	90	35	44	11.0	KB 3270, KB 3275	0.757	**6286700**	K 32 L 21
22	90	38	44	11.0	KB 3270, KB 3275	0.739	**6283870**	K 32 L 22
24	90	40	44	13.0	KB 3270, KB 3275	0.706	**6283950**	K 32 L 24
27	90	41	44	13.0	KB 3270, KB 3275	0.655	**6284090**	K 32 L 27
30	90	44	44	16.5	KB 3270, KB 3275	0.644	**6284170**	K 32 L 30
32	90	49	44	17.0	KB 3270, KB 3275	0.728	**6284250**	K 32 L 32
33	90	49	44	17.0	KB 3270, KB 3275	0.709	**6286540**	K 32 L 33 (3/4W)
34	90	52	44	19.0	KB 3270, KB 3275	0.858	**6281660**	K 32 L 34
36	90	52	44	19.0	KB 3270, KB 3275	0.826	**6284330**	K 32 L 36
41	90	57	44	22.0	KB 3270, KB 3275	0.811	**6286890**	K 32 L 41

KB 3219

REDUCER 3/4" TO 1/2" for impact sockets

- With square drive as per DIN 3121, ISO 1174, Form F and H
- GEDORE special steel, manganese-phosphated

20 | 3/4" | 12,5 | 1/2"

□"	□	■"	■	⊢ mm ⊣	kg	Code	No.
3/4	20	1/2	12.5	55	0.351	**6675280**	KB 3219

KB 3221

CONVERTOR 3/4" TO 1" for impact sockets

- With square drive as per DIN 3121, ISO 1174, Form F and H
- GEDORE special steel, manganese-phosphated

20 | 3/4" | 25 | 1"

□"	□	■"	■	⊢ mm ⊣	kg	Code	No.
3/4	20	1	25	59	0.445	**6671530**	KB 3221

KB 3290

EXTENSION 3/4" for impact sockets

- With square drive as per DIN 3121, ISO 1174, Form F and H
- GEDORE special steel, manganese-phosphated

20 | 3/4"

■"	■	⊢ mm ⊣	kg	Code	No.
3/4	20	200	0.957	**6675600**	KB 3290-8
3/4	20	300	1.328	**6675790**	KB 3290-12
3/4	20	400	1.759	**6675870**	KB 3290-16

KB 3295

UNIVERSAL JOINT 3/4" for impact sockets

- With square drive as per DIN 3121, ISO 1174, Form F and H
- GEDORE special steel, manganese-phosphated

20 | 3/4"

■"	■	□"	□	⊢ mm ⊣	kg	Code	No.
3/4	20	3/4	20	94	0.623	**6676090**	KB 3295

KB 3270 - KB 3275

SAFETY RING AND SAFETY PIN for impact sockets 3/4"

20 | 3/4"

Description	Ø	⊢ mm ⊣	kg	Code	No.
Safety ring d 36 mm	36		0.004	**6675360**	KB 3270
Safety pin d 4 mm	4	35	0.004	**6675440**	KB 3275

K 32-040

IMPACT SOCKET SET 3/4" FOR TRUCKS 4 pieces

- 4 sockets, machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 20, ISO 1174
- GEDORE special steel, gun-metal finish
- In black plastic case

20 | 3/4" | ○

Sockets	kg	Code	No.
○ 24 27 30 33	1.630	**1828142**	K 32-040

Impact-Fix Lock
Your advantages

- Integrated, secure two-pin lock including ring
- An extra feature from GEDORE - for increased safety in the workplace
- Particularly suitable for working in sensitive areas permanently governed by certainty against loss, process reliability and occupational safety
- Examples: overhead power line construction, wind power plants, machine engineering or the automotive sector
- Very safe and extremely practice-oriented, and very easy to handle
- Double ring groove for easily sliding the ring
- Minimisation of the risk of injury compared to standard systems available on the market. The securing ring is not catapulted out of the rotating insert if the securing pin tears.
- Wherever major forces prevail, correct and appropriate securing and handling of tools is a key element of good screwed connections.
- Standard practice: the bothersome and awkward fitting of the loose securing pin and ring is often simply neglected or forgotten, or the pin and ring are no longer to be found.
- Thanks to the Impact-Fix lock integrated in the socket, 3 elements no longer need to be installed (insert, pin and ring). The securing pins and rings are always secured to the "socket" (3 in 1). The pins are automatically pressed into the drill holes in the square drive when the ring is secured in place.
- DBGM (German utility patent)

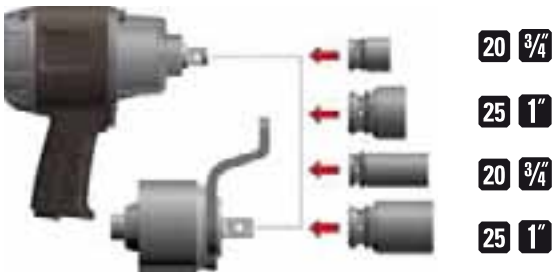
1"

3 in 1
The advantage is obvious:

**thanks to the Impact-Fix lock integrated in the socket,
three elements no longer need to be installed (insert, pin and ring).**

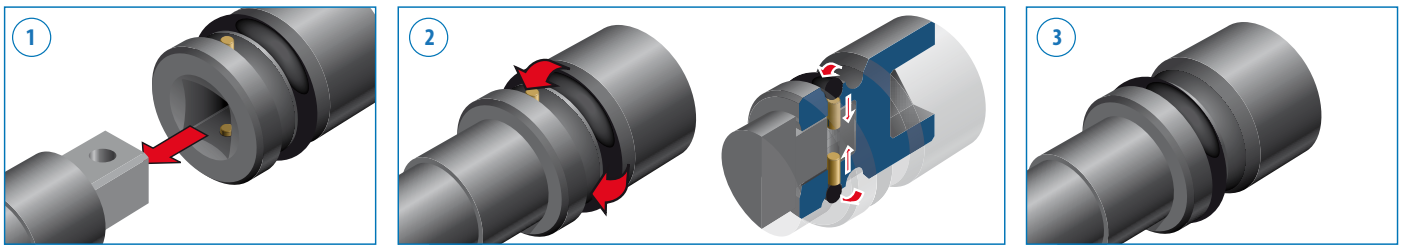
Machine- or hand-operated...

... electric, hydraulic, pneumatic
or with torque multiplier by hand



Easy to use ...

Double ring groove for easily sliding the ring thanks to integrated two-pin lock including ring.



25 (1") SQUARE DRIVE

K 21 S

IMPACT SOCKET 1" WITH IMPACT-FIX LOCK hexagon UD profile

25 | 1"

- Acc. to DIN 3129, ISO 2725-2
- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 25, ISO 1174
- GEDORE vanadium steel 59CrV4
- Gun-metal finish
- DBGM (German utility patent)
- Particularly suitable for working in sensitive areas permanently governed by certainty against loss, process reliability and occupational safety
- Examples: overhead power line construction, wind power plants or the automotive sector

mm	L	d_1	d_2	t	kg	Code	No.
22	55	40.4	54	9.8	0.600	**2734443**	K 21 S 22
24	55	42.9	54	11.2	0.600	**2734451**	K 21 S 24
27	55	46.7	54	12.6	0.600	**2734478**	K 21 S 27
30	57	50.4	54	14.0	0.600	**2734486**	K 21 S 30
32	57	52.9	54	15.4	0.600	**2734494**	K 21 S 32
33	57	54.0	54	15.4	0.600	**2734508**	K 21 S 33
34	57	55.4	54	15.4	0.600	**2734516**	K 21 S 34
36	60	57.9	54	16.8	0.680	**2734524**	K 21 S 36
38	64	60.4	54	16.8	0.700	**2734540**	K 21 S 38
41	64	64.2	54	18.9	0.700	**2734559**	K 21 S 41
42	64	65.4	54	18.9	0.700	**2734567**	K 21 S 42
46	69	70.4	54	21.0	0.700	**2734575**	K 21 S 46
50	72	75.4	54	23.1	0.800	**2734583**	K 21 S 50
55	76	81.7	54	25.2	0.800	**2734591**	K 21 S 55
60	82	87.9	54	27.3	0.800	**2734605**	K 21 S 60
65	85	94.2	54	29.4	0.900	**2734613**	K 21 S 65
70	88	100.4	54	31.5	0.900	**2734621**	K 21 S 70
75	92	106.0	54	33.6	0.900	**2734648**	K 21 S 75
80	97	113.0	54	36.4	1.000	**2734656**	K 21 S 80

K 21 SL

IMPACT SOCKET 1" WITH IMPACT-FIX LOCK hexagon UD profile, long pattern

25 | 1"

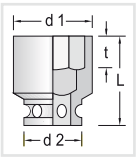
- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 25, ISO 1174
- GEDORE vanadium steel 59CrV4
- Gun-metal finish
- DBGM (German utility patent)
- Particularly suitable for working in sensitive areas permanently governed by certainty against loss, process reliability and occupational safety
- Examples: overhead power line construction, wind power plants or the automotive sector

mm	L	d_1	d_2	t	kg	Code	No.
22	100	40.4	54	9.8	0.600	**2734664**	K 21 SL 22
24	100	42.9	54	11.2	0.600	**2734672**	K 21 SL 24
27	100	46.7	54	12.6	0.600	**2734680**	K 21 SL 27
30	100	50.4	54	14.0	0.800	**2734699**	K 21 SL 30
32	100	52.9	54	15.4	0.800	**2734702**	K 21 SL 32
33	100	54.0	54	15.4	0.800	**2734710**	K 21 SL 33
34	100	55.4	54	15.4	1.000	**2734729**	K 21 SL 34
36	100	57.9	54	16.8	1.000	**2734737**	K 21 SL 36
38	100	60.4	54	16.8	1.140	**2734745**	K 21 SL 38
41	100	64.2	54	18.9	1.280	**2734753**	K 21 SL 41
46	100	70.4	54	18.9	1.420	**2734761**	K 21 SL 46

K 21 (MM)

IMPACT SOCKET 1" hexagon

- Acc. to DIN 3129, ISO 2725-2
- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 25, ISO 1174
- GEDORE special steel, gun-metal finish
- Use KB 3770 and KB 3775 from 75 mm and up
- * not standardised



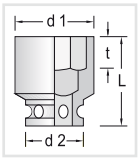
mm	L	d_1	d_2	t	*	recommended accessories	kg	Code	No.
22	55	40	54	11.0		KB 2170, KB 2175	0.561	**6183060**	K 21 22
24	55	42	54	13.0		KB 2170, KB 2175	0.611	**6183140**	K 21 24
27	55	46	54	13.0		KB 2170, KB 2175	0.614	**6183220**	K 21 27
30	57	50	54	16.5		KB 2170, KB 2175	0.619	**6183300**	K 21 30
32	57	51	54	17.0		KB 2170, KB 2175	0.608	**6183490**	K 21 32
33	57	54	54	17.0	*	KB 2170, KB 2175	0.615	**6183650**	K 21 33
34	60	54	54	19.0		KB 2170, KB 2175	0.624	**6196980**	K 21 34
36	60	54	54	19.0		KB 2170, KB 2175	0.598	**6183570**	K 21 36
38	64	60	54	19.0	*	KB 2170, KB 2175	0.764	**6184890**	K 21 38
41	64	63	54	22.0		KB 2170, KB 2175	0.794	**6183730**	K 21 41
42	64	63	54	22.0	*	KB 2170, KB 2175	0.781	**6184970**	K 21 42
46	69	70	54	25.5		KB 2170, KB 2175	0.974	**6183810**	K 21 46
50	72	73	54	27.0		KB 2170, KB 2175	1.018	**6184030**	K 21 50
55	76	82	54	30.0		KB 2170, KB 2175	1.298	**6184110**	K 21 55
60	82	86	54	33.0		KB 2170, KB 2175	1.481	**6184380**	K 21 60
65	85	92	54	35.0		KB 2170, KB 2175	1.682	**6184460**	K 21 65
70	88	96	54	38.0		KB 2170, KB 2175	1.812	**6184540**	K 21 70
75	92	100	86	41.0	*	KB 3770, KB 3775	2.690	**6184620**	K 21 75
80	97	105	86	44.0	*	KB 3770, KB 3775	2.936	**6184700**	K 21 80

SECURING WITH PIN AND RING

K 21 (AF)

IMPACT SOCKET 1" hexagon

- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 25, ISO 1174
- GEDORE special steel, gun-metal finish

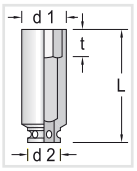


"AF	L	d_1	d_2	t	recommended accessories	kg	Code	No.
1	55	43	54	13.0	KB 2170, KB 2175	0.611	**6186320**	K 21 1AF
1.1/4	57	51	54	17.0	KB 2170, KB 2175	0.614	**6186400**	K 21 1.1/4AF
1.7/16	60	54	54	19.0	KB 2170, KB 2175	0.593	**6186590**	K 21 1.7/16AF
1.1/2	64	60	54	22.0	KB 2170, KB 2175	0.776	**6186750**	K 21 1.1/2AF
1.5/8	64	63	54	22.0	KB 2170, KB 2175	0.796	**6186670**	K 21 1.5/8AF
1.13/16	69	70	54	25.5	KB 2170, KB 2175	0.972	**6186830**	K 21 1.13/16AF
1.7/8	72	70	54	27.0	KB 2170, KB 2175	0.981	**6186910**	K 21 1.7/8AF
2.1/4	80	82	54	33.0	KB 2170, KB 2175	1.365	**6187050**	K 21 2.1/4AF

K 21 L

IMPACT SOCKET 1" hexagon, long pattern

- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 25, ISO 1174
- GEDORE special steel, gun-metal finish

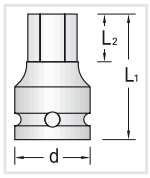


mm	L	d_1	d_2	t	recommended accessories	kg	Code	No.
22	100	40	54	11.0	KB 2170, KB 2175	1.103	**6185350**	K 21 L 22
24	100	42	54	13.0	KB 2170, KB 2175	1.234	**6185430**	K 21 L 24
27	100	46	54	13.0	KB 2170, KB 2175	1.227	**6185510**	K 21 L 27
30	100	50	54	16.5	KB 2170, KB 2175	1.141	**6185780**	K 21 L 30
32	100	51	54	17.0	KB 2170, KB 2175	1.101	**6185860**	K 21 L 32
33	100	54	54	17.0	KB 2170, KB 2175	1.104	**6197950**	K 21 L 33
34	100	54	54	19.0	KB 2170, KB 2175	1.189	**6197010**	K 21 L 34
36	100	54	54	19.0	KB 2170, KB 2175	1.022	**6185940**	K 21 L 36
38	100	60	54	22.0	KB 2170, KB 2175	1.262	**6186080**	K 21 L 38
41	100	63	54	22.0	KB 2170, KB 2175	1.420	**6186160**	K 21 L 41
46	100	70	54	25.5	KB 2170, KB 2175	1.619	**6186240**	K 21 L 46

IN K 21

IMPACT SCREWDRIVER BIT SOCKET 1" for in-hex screws

- Suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 25, ISO 1174
- GEDORE special steel, manganese-phosphated



mm	L_1	L_2	d	recommended accessories	kg	Code	No.
19	75	21	54	KB 2170, KB 2175	0.650	**1956558**	IN K 21 19
22	75	24	54	KB 2170, KB 2175	0.675	**1956566**	IN K 21 22
24	75	26	54	KB 2170, KB 2175	0.700	**1956574**	IN K 21 24
27	75	28	54	KB 2170, KB 2175	0.730	**1956582**	IN K 21 27
30	75	29	54	KB 2170, KB 2175	0.770	**1577514**	IN K 21 30
32	75	30	54	KB 2170, KB 2175	0.900	**1956590**	IN K 21 32
36	75	30	54	KB 2170, KB 2175	0.860	**1956604**	IN K 21 36

KB 2132

REDUCER 1" TO 3/4" for impact sockets

- Square drive as per DIN 3121, ISO 1174, Form F and H
- GEDORE special steel, manganese-phosphated

□"	□	■"	■	mm	kg	Code	No.
1	25	3/4	20	77	0.661	**6657460**	KB 2132

KB 2137

CONVERTOR 1" TO 1.1/2" for impact sockets

- Square drive as per DIN 3121, ISO 1174, Form F and H
- GEDORE special steel, manganese-phosphated

□"	□	■"	■	mm	kg	Code	No.
1	25	1.1/2	40	85	0.988	**6657890**	KB 2137

KB 2190

EXTENSION 1" for impact sockets

- Square drive as per DIN 3121, ISO 1174, Form F and H
- GEDORE special steel, manganese-phosphated

■"	■	mm	kg	Code	No.
1	25	200	1.477	**6657970**	KB 2190-8
1	25	300	2.010	**6658000**	KB 2190-12
1	25	400	2.587	**6658190**	KB 2190-16

KB 2195

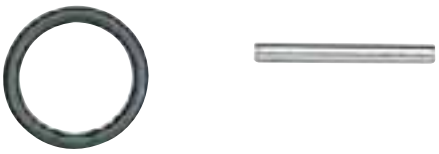
UNIVERSAL JOINT 1" for impact sockets

- Square drive as per DIN 3121, ISO 1174, Form F and H
- GEDORE special steel, manganese-phosphated

■"	■	□"	□	mm	kg	Code	No.
1	25	1	25	136	1.425	**6658350**	KB 2195

KB 2170 - KB 2175

SAFETY RING AND SAFETY PIN for impact sockets 1"



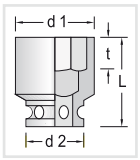
Description	Ø	mm	kg	Code	No.
Safety ring d 45 mm	45		0.008	**6657620**	KB 2170
Safety pin d 5 mm	5	45	0.007	**6657700**	KB 2175

40 (1.1/2") SQUARE DRIVE

K 37

IMPACT SOCKET 1.1/2" hexagon

- Acc. to DIN 3129, ISO 2725-2
- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 40, ISO 1174
- GEDORE special steel, gun-metal finish
- Use KB 6470 and KB 6475 from 95 mm and up
- * not standardised

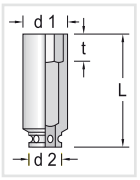


mm	L	d_1	d_2	t	*	recommended accessories	kg	Code	No.
46	80	75	86	25.5		KB 3770, KB 3775	2.3	**6328130**	K 37 46
50	82	80	86	27.0	*	KB 3770, KB 3775	2.3	**6328210**	K 37 50
55	89	86	86	30.0		KB 3770, KB 3775	2.5	**6328480**	K 37 55
60	92	92	86	33.0		KB 3770, KB 3775	2.7	**6328560**	K 37 60
65	96	100	86	35.0		KB 3770, KB 3775	3.2	**6328640**	K 37 65
70	101	105	86	38.0		KB 3770, KB 3775	3.5	**6328720**	K 37 70
75	105	109	86	41.0		KB 3770, KB 3775	3.7	**6328800**	K 37 75
80	110	115	86	44.0		KB 3770, KB 3775	4.2	**6328990**	K 37 80
85	116	121	86	47.0		KB 3770, KB 3775	4.8	**6329020**	K 37 85
90	118	130	86	49.0		KB 3770, KB 3775	5.5	**6329100**	K 37 90
95	118	135	127	49.0	*	KB 6470, KB 6475	9.0	**6329290**	K 37 95
100	125	140	127	54.0	*	KB 6470, KB 6475	8.1	**6329370**	K 37 100
105	125	150	127	54.0	*	KB 6470, KB 6475	9.3	**6329450**	K 37 105
110	137	155	127	62.0	*	KB 6470, KB 6475	10.6	**6329530**	K 37 110
115	137	160	127	67.0	*	KB 6470, KB 6475	10.6	**6329610**	K 37 115
120	145	165	127	67.0	*	KB 6470, KB 6475	11.8	**6329880**	K 37 120

K 37 L

IMPACT SOCKET 1.1/2" hexagon, long pattern

- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 40, ISO 1174
- GEDORE special steel, gun-metal finish
- Use KB 6470 and KB 6475 from 95 mm and up



mm	L	d_1	d_2	t	recommended accessories	kg	Code	No.
41	140	70	86	22.0	KB 3770, KB 3775	4.4	**6330110**	K 37 L 41
46	140	75	86	25.5	KB 3770, KB 3775	4.3	**6330380**	K 37 L 46
50	140	80	86	27.0	KB 3770, KB 3775	4.4	**6330460**	K 37 L 50
55	140	86	86	30.0	KB 3770, KB 3775	4.0	**6330540**	K 37 L 55
60	140	92	86	33.0	KB 3770, KB 3775	4.1	**6330620**	K 37 L 60
65	140	100	86	35.0	KB 3770, KB 3775	4.6	**6330700**	K 37 L 65
70	140	105	86	38.0	KB 3770, KB 3775	4.8	**6330890**	K 37 L 70
75	140	109	86	41.0	KB 3770, KB 3775	5.4	**6330970**	K 37 L 75
80	140	115	86	44.0	KB 3770, KB 3775	5.7	**6331000**	K 37 L 80
85	140	121	86	47.0	KB 3770, KB 3775	6.2	**6331190**	K 37 L 85
90	140	130	86	49.0	KB 3770, KB 3775	6.6	**6331270**	K 37 L 90
95	150	135	127	49.0	KB 6470, KB 6475	10.0	**6331350**	K 37 L 95
100	150	140	127	54.0	KB 6470, KB 6475	10.0	**6331430**	K 37 L 100
105	150	150	127	54.0	KB 6470, KB 6475	11.3	**6331510**	K 37 L 105
110	160	155	127	62.0	KB 6470, KB 6475	12.8	**6331780**	K 37 L 110
115	160	160	127	67.0	KB 6470, KB 6475	12.2	**6331860**	K 37 L 115
120	170	165	127	67.0	KB 6470, KB 6475	13.8	**6331940**	K 37 L 120

SECURING WITH PIN AND RING

KB 3721

REDUCER 1.1/2" TO 1" for impact sockets

- Square drive as per DIN 3121, ISO 1174, Form F and H
- Use KB 3770 and KB 3775 up to 90 mm
- Use KB 6470 and KB 6475 from 95 mm and up
- GEDORE special steel, gun-metal finish

□"	□	■"	■	⟷ mm ⟷	kg	Code	No.
1.1/2	40	1	25	95	1.992	**6676410**	KB 3721

KB 3764

CONVERTOR 1.1/2" TO 2.1/2" for impact sockets

- Square drive as per DIN 3121, ISO 1174, Form F and H
- Use KB 3770 and KB 3775 up to 90 mm
- Use KB 6470 and KB 6475 from 95 mm and up
- GEDORE special steel, gun-metal finish

□"	□	■"	■	Ø	⟷ mm ⟷	kg	Code	No.
1.1/2	40	2.1/2	63	86	93	3.600	**1531220**	KB 3764

KB 3770 - KB 3775

SAFETY RING AND SAFETY PIN for impact sockets 1.1/2"

- Use KB 3770 and KB 3775 up to 90 mm
- Use KB 6470 and KB 6475 from 95 mm and up

Description	Ø	⟷ mm ⟷	kg	Code	No.
Safety ring d 75 mm	75		0.026	**6676760**	KB 3770
Safety pin d 6 mm	6	75	0.017	**6676840**	KB 3775

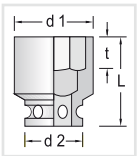
63 (2.1/2") SQUARE DRIVE

K 64

IMPACT SOCKET 2.1/2" hexagon

63 2½

- Acc. to DIN 3129, ISO 2725-2
- Machine-operated, suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 63, ISO 1174
- GEDORE special steel, gun-metal finish
- * not standardised



mm	L	d_1	d_2	t	*	recommended accessories	kg	Code	No.
75	125	115	127	41		KB 6470, KB 6475	7.4	**6371300**	K 64 75
80	125	115	127	44		KB 6470, KB 6475	7.0	**6371490**	K 64 80
85	130	127	127	47		KB 6470, KB 6475	7.3	**6371570**	K 64 85
90	132	135	127	49		KB 6470, KB 6475	8.0	**6371650**	K 64 90
95	132	140	127	49		KB 6470, KB 6475	8.1	**6371730**	K 64 95
100	141	145	127	54		KB 6470, KB 6475	8.9	**6371810**	K 64 100
105	141	150	127	54		KB 6470, KB 6475	9.1	**6372030**	K 64 105
110	150	160	127	62		KB 6470, KB 6475	11.0	**6372110**	K 64 110
115	150	165	127	62		KB 6470, KB 6475	11.1	**6372380**	K 64 115
120	158	170	127	67	*	KB 6470, KB 6475	12.0	**6372460**	K 64 120

SECURING WITH PIN AND RING

KB 6437

REDUCER 2.1/2" TO 1.1/2" for impact sockets

63 2½
40 1½

- Square drive as per DIN 3121, ISO 1174, Form F and H
- Use KB 3770 and KB 3775 up to 90 mm
- Use KB 6470 and KB 6475 from 95 mm and up
- GEDORE special steel, gun-metal finish

□"	□	■"	■	mm	kg	Code	No.
2.1/2	63	1.1/2	40	138	7.090	**6699700**	KB 6437

KB 6470 - KB 6475

SAFETY RING AND SAFETY PIN for impact sockets 2.1/2"

63 2½

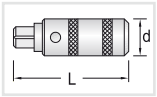
Description	Ø	mm	kg	Code	No.
Safety ring d 114 mm	114		0.040	**6699890**	KB 6470
Safety pin d 8 mm	8	110	0.043	**6699970**	KB 6475

IMPACT DRIVER

K 1900

HAND-OPERATED IMPACT DRIVER 1/2"

- Particularly suitable for loosening tight bolts or screws with the aid of a hammer
- Reversible for right and left hand operation
- Will fit any 1/2" impact socket or bit
- Manganese-phosphated



■"	■	L	d	kg	Code	No.
1/2	12.5	123	34	0.579	**6654440**	K 1900

1500 ES-K 1900 103

1500 CT1-K 1900 109

K 1900-018

HAND-OPERATED IMPACT DRIVER SET 1/2" 18 pieces

- Complete with the most frequently used bits, for use on screws and bolts with slotted, cross-head or hexagon heads
- Reversible for right and left hand operation
- In plastic case
- Dimensions: 200 x 120 x 38 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Contents	kg	Code	No.
880 5,5 6,5 8 12 **885 4 5 6 8 10** **890 2 3 4** **887 TX T27 T30 T40 T45** **KB 819** **K 1900**	1.249	**6654600**	K 1900-018

BIT RANGE

6.3 MM (1/4") HEXAGON DRIVE

SCREWDRIVER BITS 6.3 MM (1/4")

680

SCREWDRIVER BIT 1/4", VALUE PACK for slotted head screws

- For hand operation and use in electric and air tools
- Acc. to DIN ISO 2351-1
- Hexagon drive as per DIN 3126 - C 6.3 (1/4")
- GEDORE special vanadium steel, gun-metal finish
- 10- and 5-piece value packs

b	t	L	Contents	kg	Code	No.
4.0	0.5	25	10x	0.050	**6537640**	680 4 S-010
4.5	0.6	25	10x	0.050	**6537720**	680 4,5 S-010
5.5	0.8	25	10x	0.060	**6537800**	680 5,5 S-010
6.5	1.2	25	10x	0.060	**6537990**	680 6,5 S-010
7.0	1.2	25	10x	0.060	**6538020**	680 7 S-010
8.0	1.6	25	10x	0.070	**6538100**	680 8 S-010
10.0	1.6	39	5x	0.080	**6538290**	680 10 S-005

685

SCREWDRIVER BIT 1/4", VALUE PACK for in-hex screws

- For hand operation and use in electric and air tools
- Acc. to DIN ISO 2351-3
- Hexagon drive as per DIN 3126 - C 6.3 (1/4")
- GEDORE special vanadium steel, gun-metal finish
- 10- and 5-piece value packs

mm	ISO 4762	DIN 7984	L	Contents	kg	Code	No.
2	M2	M2	25	10x	0.050	**1802399**	685 2 S-010
2,5	M3	M4	25	10x	0.050	**6538880**	685 2,5 S-010
3	M4	M5	25	10x	0.050	**6538960**	685 3 S-010
4	M5	M6	25	10x	0.060	**6539180**	685 4 S-010
5	M6	M8	25	10x	0.060	**6539260**	685 5 S-010
6	M8	M10	25	10x	0.070	**6539340**	685 6 S-010
8	M10	M12	33	10x	0.090	**6539420**	685 8 S-010
10	M12	M14	33	5x	0.060	**6539500**	685 10 S-005

685 K

SCREWDRIVER BIT 1/4", VALUE PACK for in-hex screws, with ball end

- For hand operation and use in electric and air tools
- Hexagon drive as per DIN 3126 - C 6.3 (1/4")
- GEDORE special vanadium steel, gun-metal finish
- 5-piece value packs

mm	ISO 4762	DIN 7984	L	Contents	kg	Code	No.
4	M5	M6	25	5x	0.030	**2225700**	685 K 4 S-005
5	M6	M8	25	5x	0.035	**2225719**	685 K 5 S-005
6	M8	M10	25	5x	0.040	**2225727**	685 K 6 S-005
8	M10	M12	33	5x	0.055	**2225735**	685 K 8 S-005
10	M12	M14	33	5x	0.070	**2225743**	685 K 10 S-005

690

SCREWDRIVER BIT 1/4", VALUE PACK for cross-head screws PH

- For hand operation and use in electric and air tools
- Acc. to DIN ISO 2351-2, tip as per DIN ISO 8764-1 PH
- Hexagon drive as per DIN 3126 - C 6.3 (1/4")
- GEDORE special vanadium steel, gun-metal finish
- 10-piece value packs

PH	L	Contents	kg	Code	No.
0	25	10x	0.050	**1803514**	690 0 S-010
1	25	10x	0.050	**6541240**	690 1 S-010
1	50	10x	0.120	**1828150**	690 1 L S-010
2	25	10x	0.060	**6541320**	690 2 S-010
2	50	10x	0.120	**6541400**	690 2 L S-010
3	25	10x	0.060	**6541590**	690 3 S-010
3	50	10x	0.120	**6541670**	690 3 L S-010
4	32	10x	0.100	**6541750**	690 4 S-010

690 PZD

SCREWDRIVER BIT 1/4", VALUE PACK for cross-head screws Pozi PZ

- For hand operation and use in electric and air tools
- Acc. to DIN ISO 2351-2, tip as per DIN ISO 8764-1 PZ
- Hexagon drive as per DIN 3126 - C 6.3 (1/4")
- GEDORE special vanadium steel, gun-metal finish
- 10-piece value packs

PZ	L	Contents	kg	Code	No.
1	25	10x	0.050	**6552790**	690 PZD 1 S-010
1	50	10x	0.120	**1827022**	690 PZD 1 L S-010
2	25	10x	0.060	**6552870**	690 PZD 2 S-010
2	50	10x	0.120	**6552950**	690 PZD 2 L S-010
3	25	10x	0.060	**6553090**	690 PZD 3 S-010
3	50	10x	0.120	**6553170**	690 PZD 3 L S-010
4	32	10x	0.150	**6553680**	690 PZD 4 S-010

686

SCREWDRIVER BIT 1/4", VALUE PACK for multi-spline screws RIBE®

- For hand operation and use in electric and air tools
- Hexagon drive as per DIN 3126 - C 6.3 (1/4")
- GEDORE special vanadium steel, gun-metal finish
- 10-piece value packs
- RIBE® = reg. trademark of Richard Bergner GmbH & Co. KG, Schwabach, Germany

M	L	Contents	kg	Code	No.
M4	33	10x	0.060	**6540510**	686 4 S-010
M5	33	10x	0.070	**6540780**	686 5 S-010
M6	33	10x	0.080	**6540860**	686 6 S-010
M8	33	10x	0.110	**6540940**	686 8 S-010

685 X

SCREWDRIVER BIT 1/4", VALUE PACK for multi-point screws XZN

- For hand operation and use in electric and air tools
- Acc. to DIN ISO 65254
- Hexagon drive as per DIN 3126 - C 6.3 (1/4"), tip as per DIN 2325
- GEDORE special vanadium steel, gun-metal finish
- 10-piece value packs

M	L	Contents	kg	Code	No.
M5	25	10x	0.060	**6540000**	685 X 5 S-010
M6	25	10x	0.060	**6540190**	685 X 6 S-010
M8	25	10x	0.080	**6540270**	685 X 8 S-010

687 TX

SCREWDRIVER BIT 1/4", VALUE PACK for recessed TORX® head screws

- For hand operation and use in electric and air tools
- Hexagon drive as per DIN 3126 - C 6.3 (1/4")
- GEDORE special vanadium steel, gun-metal finish
- 10-piece value packs
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

	M	mm	L	Contents	kg	Code	No.
T6	M2	1,70	25	10x	0.050	**6541830**	687 TX T6 S-010
T7	M2,5	1,99	25	10x	0.050	**6541910**	687 TX T7 S-010
T8	M2,5	2,31	25	10x	0.050	**6542050**	687 TX T8 S-010
T9	M3	2,50	25	10x	0.050	**6542130**	687 TX T9 S-010
T10	M3 - M3,5	2,74	25	10x	0.050	**6542210**	687 TX T10 S-010
T15	M3,5 - M4	3,27	25	10x	0.050	**6542480**	687 TX T15 S-010
T20	M4 - M5	3,86	25	10x	0.050	**6542560**	687 TX T20 S-010
T25	M4,5 - M5	4,43	25	10x	0.060	**6542640**	687 TX T25 S-010
T27	M4,5 - M6	4,99	25	10x	0.060	**6542720**	687 TX T27 S-010
T30	M6 - M7	5,52	25	10x	0.060	**6542800**	687 TX T30 S-010
T40	M7 - M8	6,65	25	10x	0.070	**6542990**	687 TX T40 S-010

688 TX

SCREWDRIVER BIT 1/4", VALUE PACK for recessed TORX® head screws with pilot

- For hand operation and use in electric and air tools
- Hexagon drive as per DIN 3126 - C 6.3 (1/4")
- GEDORE special vanadium steel, gun-metal finish
- 10-piece value packs
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

	M	mm	L	Contents	kg	Code	No.
T10	M3 - M3,5	2,74	25	10x	0.050	**6535510**	688 TX T10 S-010
T15	M3,5 - M4	3,27	25	10x	0.050	**6535780**	688 TX T15 S-010
T20	M4 - M5	3,86	25	10x	0.050	**6535860**	688 TX T20 S-010
T25	M4,5 - M5	4,43	25	10x	0.060	**6535940**	688 TX T25 S-010
T27	M4,5 - M6	4,99	25	10x	0.060	**6536080**	688 TX T27 S-010
T30	M6 - M7	5,52	25	10x	0.060	**6536160**	688 TX T30 S-010
T40	M7 - M8	6,65	25	10x	0.060	**6536240**	688 TX T40 S-010

689 TS

SCREWDRIVER BIT 1/4" TORQ-SET®

- For hand operation and use in electric and air tools
- Acc. to DIN ISO 3126, ISO 1173
- Hexagon drive as per DIN 3126 - C 6.3 (1/4")
- GEDORE special vanadium steel, gun-metal finish
- TORQ-SET® is a registered trademark of Phillips Screw Company, USA

Size	kg	Code	No.
2	0.006	**1965506**	689 TS 2
4	0.006	**1965514**	689 TS 4
6	0.006	**1965522**	689 TS 6
8	0.006	**1965530**	689 TS 8
10	0.006	**1965549**	689 TS 10

689 TW

SCREWDRIVER BIT 1/4" Tri-Wing®

- For hand operation and use in electric and air tools
- Acc. to DIN ISO 3126, ISO 1173
- Hexagon drive as per DIN 3126 - C 6.3 (1/4")
- GEDORE special vanadium steel, gun-metal finish
- Tri-Wing® is a registered trademark of Phillips Screw Company, USA

Size	kg	Code	No.
2	0.006	**1979868**	689 TW 2
4	0.006	**1979876**	689 TW 4
6	0.012	**1979884**	689 TW 6
8	0.012	**1979892**	689 TW 8
10	0.020	**1979906**	689 TW 10

BIT SETS 6.3 MM (1/4")

620-024

BIT SET 1/4" 24 pieces

- In plastic case
- Dimensions: 110 x 65 x 31 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

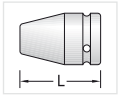
Sockets	Accessories	kg	Code	No.
680 4 6,5 **685 3 4 5 6** **685 X 5 6 8** **690 1 2** **690 PZD 1 2 3** **687 TX T8 T9 T10 T15 T20 T25 T27 T30 T40**	**620**	0.185	**1815695**	620-024

ACCESSORIES FOR BITS 6.3 MM (1/4")

KB 619 - KB 630

ADAPTOR PIECES for screwdriver bits 1/4"

- Acc. to DIN 7427 Form A
- Hex recess drive as per DIN 3126 - D 6.3 (1/4") and square drive Form G as per DIN 3121
- For hand-operated or power tools
- For use in power tools, we recommend the use of a locking ring and pin
- Manganese-phosphated
- * Length not standardised



"	⬡	□"	□	*	L	kg	Code	No.
1/4	6.3	1/2	12.5		35	0.072	**6524150**	KB 619
1/4	6.3	1/4	6.3		25	0.017	**6524230**	KB 620
1/4	6.3	3/8	10.0	*	30	0.040	**6530040**	KB 630

1500 CTD-20 BIT 107

620 - 630

BIT ADAPTOR 1/4"

- Hex recess drive as per DIN 3126 - D 6.3 (1/4") and square drive as per DIN 3120 - C 6.3 (1/4") / C 10 (3/8")

"	⬡	□"	□	mm	kg	Code	No.
1/4	6.3	1/4	6.3	25	0.020	**1649329**	620
1/4	6.3	3/8	10.0	25	0.025	**1973312**	630

635

PICKUP TOOL FOR BITS

- Practical pickup tool for easy bit changing without damaging the profiles
- Suitable for 4 mm, 6.3 mm (1/4") and 8 mm (5/16") bits
- Protects hands and bit profiles
- No more slipping with oily or damp fingers, even with bits deeply recessed in the bit holder

kg	Code	No.
0.010	**2000253**	635

670

BIT SCREWDRIVER 1/4"

- Hex recess drive as per DIN 3126 - D 6.3 (1/4"), for bits
- Magnetic screw retainer
- GEDORE vanadium steel

"	⬡	L_1	L_2	kg	Code	No.
1/4	6.3	210	100	0.140	**6536590**	670

670 K

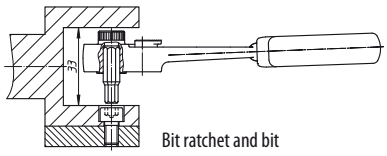
BIT SCREWDRIVER 1/4" short pattern

- Hex recess drive as per DIN 3126 - D 6.3 (1/4"), for bits
- Magnetic screw retainer
- GEDORE vanadium steel

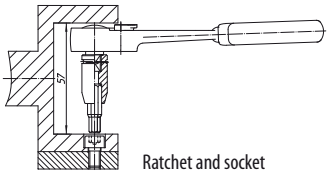
"	⬡	mm	kg	Code	No.
1/4	6.3	80	0.100	**1953796**	670 K

FEATURES

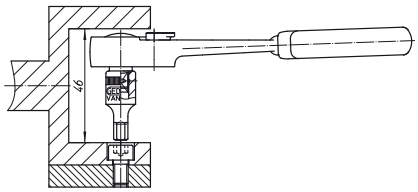
Slimiline design for working in confined spaces



Bit ratchet and bit



Ratchet and socket



671

BIT REVERSIBLE RATCHET 1/4"

- With knurled head for quick starting or counter-holding of screws
- Hex recess drive as per DIN 3126 - D 6.3 (1/4")
- Slim line design for working in confined spaces
- Return angle 15 degrees
- Non-slip 2-component handle with hanging hole

"		°	mm	mm	kg	Code	No.
1/4	6.3	15	127	18.3	0.108	6535350	671

672

BIT EXTENSION 1/4"

- Hex recess drive as per DIN 3126 - D 6.3 (1/4")
- Hex drive as per DIN 3126 - C 6.3 (1/4")

"		"		mm	kg	Code	No.
1/4	6.3	1/4	6.3	100	0.040	6040700	672

673

ADAPTOR

- Acc. to DIN 7428, ISO 3317
- Hexagon drive as per DIN 3126 - E 6.3 (1/4")
- Square drive as per DIN 3121 for power-driven sockets
- Also suitable for battery screwdrivers without impact effect

"		"		mm	kg	Code	No.
1/4	6.3	1/4	6.3	50	0.016	6536320	673 6,3
3/8	10.0	1/4	6.3	50	0.026	1834878	673 10

673 K

SOCKET HOLDER short pattern

- Hexagon drive as per DIN 3126 - E 6.3 (1/4")
- Square drive as per DIN 3120 - A 6,3 (1/4")

"		"		mm	kg	Code	No.
1/4	6.3	1/4	6.3	17	0.020	2000245	673 K

673 L

SOCKET HOLDER long

- 1/4" hexagon drive and square drive as per DIN 3120 - A 6.3 (1/4")
- Hand operation
- For use with driving handle no. 676, or torque handle no. 2140

"		"		mm	kg	Code	No.
1/4	6.3	1/4	6.3	130	0.050	1811061	673 L

674

BIT SCREWDRIVER with reversible mechanism

- Hexagon drive as per DIN 3126 - D 6.3 (1/4"), with powerful magnetic screw retainer
- Smooth gear mechanism with knurled head for quick starting or counter-holding of screws
- The blue handle makes it possible to tighten even hard-to-turn wood screws
- The ratchet is reversible and fully lockable

"		mm	mm	kg	Code	No.
1/4	6.3	55	215	0.259	6530710	674

676

DRIVING HANDLE

- Non-slip 2-component handle
- Recessed hexagon drive 1/4"
- Versatile use

"		kg	Code	No.
1/4	6.3	0.042	1649337	676

20 XLU-3 T 170

699

BIT HOLDER for power tools

- Acc. to DIN 7427 Form D
- Hexagon drive as per DIN 3126 - E 6.3 (1/4") and hex recess drive as per DIN 3126 - D 6.3 (1/4")
- With magnetic holder
- Chrome-plated

⬢ "	⬢	⬡ "	⬡	mm	mm	kg	Code	No.
1/4	6.3	1/4	6.3	30	60	0.023	**6538610**	699

699 L

BIT HOLDER LONG long

- Hexagon drive as per DIN 3126 - C 6.3 (1/4") and hex recess drive as per DIN 3126 - D 6.3 (1/4")
- Hand operation
- For use with driving handle, No. 676, or torque handle, No. 2140
- With magnetic screw retainer

⬢ "	⬢	⬡ "	⬡	mm	mm	kg	Code	No.
1/4	6.3	1/4	6.3	32	130	0.039	**1802437**	699 L

700

BIT HOLDER magnetic

- Quick-grip system for hex bits as per DIN 3126 - C 6.3 + E 6.3 (1/4")

⬢ "	⬢	⬡ "	⬡	Ø	mm	kg	Code	No.
1/4	6.3	1/4	6.3	14	60.5	0.026	**6530550**	700

169

MAGAZINE HANDLE SCREWDRIVER

- For highest demands
- With 1/4" recessed hexagon drive
- Magnetic magazine handle with room for 7 bits
- Cap with click-locking

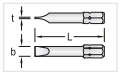
Contents	mm	mm	kg	Code	No.
⊖ **680 4 5,5 6,5**	115	220	0.206	**6432700**	169
⊕ **690 1 2**					
⊕ **690 PZD 1 2**					

8 MM (5/16") HEXAGON DRIVE

880

SCREWDRIVER BIT 5/16" for slotted head screws

- For hand operation and use in electric and air tools
- For extra heavy use
- Acc. to DIN ISO 2351-1
- Hexagon drive as per DIN 3126 - C 8 (5/16")
- GEDORE special vanadium steel, gun-metal finish

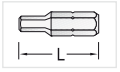


b	t	L	kg	Code	No.
5.5	0.8	41	0.012	**6566740**	880 5,5
6.5	1.2	41	0.013	**6566820**	880 6,5
7.0	1.2	41	0.014	**6566900**	880 7
8.0	1.6	41	0.015	**6567040**	880 8
9.0	1.6	41	0.016	**6567120**	880 9
10.0	1.6	41	0.019	**6567200**	880 10
12.0	2.0	41	0.024	**6567390**	880 12
14.0	2.5	41	0.029	**6567470**	880 14

885

SCREWDRIVER BIT 5/16" for in-hex screws

- For hand operation and use in electric and air tools
- For extra heavy use
- Acc. to DIN ISO 2351-3
- Hexagon drive as per DIN 3126 - C 8 (5/16")
- GEDORE special vanadium steel, gun-metal finish

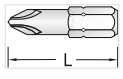


mm	ISO 4762	DIN 7984	L	kg	Code	No.
3	M4	M5	30	0.009	**6568010**	885 3
4	M5	M6	30	0.010	**6568280**	885 4
5	M6	M8	30	0.011	**6568360**	885 5
6	M8	M10	30	0.011	**6568440**	885 6
8	M10	M12	30	0.013	**6568520**	885 8
10	M12	M14	30	0.017	**6568600**	885 10

890

SCREWDRIVER BIT 5/16" for cross-head screws PH

- For hand operation and use in electric and air tools
- For extra heavy use
- Acc. to DIN ISO 2351-2, tip as per DIN ISO 8764-1 PH
- Hexagon drive as per DIN 3126 - C 8 (5/16")
- GEDORE special vanadium steel, gun-metal finish
- Size 4: the length is not standardised

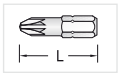


⊕ PH	L	kg	Code	No.
1	32	0.010	**6571580**	890 1
2	32	0.010	**6571660**	890 2
3	32	0.010	**6571740**	890 3
4	32	0.012	**6571820**	890 4
4	38	0.015	**6571900**	890 4 L

890 PZD

SCREWDRIVER BIT 5/16" for cross-head screws Pozi PZ

- For hand operation and use in electric and air tools
- For extra heavy use
- Acc. to DIN ISO 2351-2, tip as per DIN ISO 8764-1 PZ
- Hexagon drive as per DIN 3126 - C 8 (5/16")
- GEDORE special vanadium steel, gun-metal finish
- Size 4: the length is not standardised

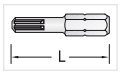


⊕ PZ	L	kg	Code	No.
1	32	0.009	**6553250**	890 PZD 1
2	32	0.010	**6553330**	890 PZD 2
3	32	0.011	**6553410**	890 PZD 3
4	32	0.013	**6553760**	890 PZD 4

886

SCREWDRIVER BIT 5/16" for multi-spline screws RIBE®

- For hand operation and use in electric and air tools
- For extra heavy use
- Hexagon drive as per DIN 3126 - C 8 (5/16")
- GEDORE special vanadium steel, gun-metal finish
- RIBE® = reg. trademark of Richard Bergner GmbH & Co. KG, Schwabach, Germany

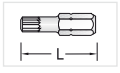


M	L	kg		Code	No.
M4	38	0.010	10	**6570340**	886 4
M5	38	0.011	10	**6570420**	886 5
M6	38	0.012	10	**6570500**	886 6
M8	38	0.013	10	**6570690**	886 8
M10	38	0.019	10	**6570770**	886 10
M12	38	0.024	10	**6570850**	886 12
M14	38	0.030	10	**6570930**	886 14

885 X

SCREWDRIVER BIT 5/16" for multi-point screws XZN

- For hand operation and use in electric and air tools
- For extra heavy use
- Hexagon drive as per DIN 3126 - C 8 (5/16"), tip as per DIN 2325
- GEDORE special vanadium steel, gun-metal finish

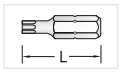


M	L	kg		Code	No.
M5	28	0.009	10	**6569170**	885 X 5
M6	28	0.009	10	**6569250**	885 X 6
M8	28	0.011	10	**6569330**	885 X 8
M10	38	0.020	10	**6569410**	885 X 10
M12	38	0.025	10	**6569680**	885 X 12
M14	38	0.030	10	**6569760**	885 X 14

887 TX

SCREWDRIVER BIT 5/16" for recessed TORX® head screws

- For hand operation and use in electric and air tools
- For extra heavy use
- Hexagon drive as per DIN 3126 - C 8 (5/16")
- GEDORE special vanadium steel, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

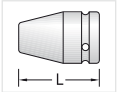


	M	mm L			Code	No.
T27	M4,5 - M6	4,99	35	0.011	10	**6571070**	887 TX T27
T30	M6 - M7	5,52	35	0.012	10	**6571150**	887 TX T30
T40	M7 - M8	6,65	35	0.013	10	**6571230**	887 TX T40
T45	M8 - M10	7,82	35	0.014	10	**6571310**	887 TX T45
T50	M10	8,83	35	0.015	10	**6575140**	887 TX T50
T55	M12	11,22	35	0.021	10	**2111225**	887 TX T55

KB 819 - KB 830

ADAPTOR PIECES for screwdriver bits 5/16"

- Acc. to DIN 7427 Form A
- Hex recess drive as per DIN 3126 - D 8 (5/16") and square drive Form G DIN 3121
- For hand-operated or power tools
- For use in power tools, we recommend the use of a locking ring and pin
- Manganese-phosphated
- * Length not standardised

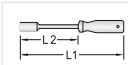


"		□"	□	*	L		Code	No.
5/16	8	1/2	12.5		35	0.075	**6563480**	KB 819
5/16	8	1/4	6.3	*	25	0.018	**6563560**	KB 820
5/16	8	3/8	10.0		30	0.040	**6563800**	KB 830

870

BIT SCREWDRIVER

- Hex recess as per DIN 3126 - D 8 (5/16")
- Magnetic screw retainer
- GEDORE vanadium steel



"		L_1	L_2		Code	No.
5/16	8	210	100	0.131	**6565500**	870

871

BIT REVERSIBLE RATCHET 5/16"

- With knurled head for quick starting or counter-holding of screws
- Hex recess drive as per DIN 3126 - D 8 (5/16")
- Slim line design for working in confined spaces
- Return angle 15 degrees
- Non-slip 2-component handle with hanging hole

"		°	mm	mm		Code	No.
5/16	8	15	127	20.2	0.100	**6535430**	871

872

BIT EXTENSION 5/16"

- Hex recess drive as per DIN 3126 - D 8 (5/16")
- Hex drive as per DIN 3126 - C 8 (5/16")

		"		mm		Code	No.
5/16	8	5/16	8	100	0.050	**6040890**	872

871-021

BIT SET 5/16" 21 pieces

- Extra slim bit ratchet with most popular bit sizes
- For working in extremely confined spaces
- Bits easy to see, always at hand, fitted into shaped plastic insert in shock-proof plastic case, dimensions: 200 x 120 x 38 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Ratchet	Sockets	Accessories		Code	No.
871	**880** 5,5 6,5 8 10 **885** 3 4 5 6 8 **890** 2 3 **890 PZD** 2 3 4 **887 TX** T27 T30 T40 T45 T50	**872**	0.717	**6570180**	871-021

Technical Symbols

- Weight (total)
- Length (total)
- Diameter (also dia. of head, of shaft, of points)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Square drive (external)
- Square drive (internal)
- Square drive (internal)
- Square drive (internal)
- Hexagon drive (external)
- Square drive (external)
- Hexagon drive (internal)
- Hexagon drive (internal)
- Drive types
- Slotted
- Cross-head PH
- Cross-head Pozi PZ
- Hexagon internal
- Unit Drive bi-hexagon
- Internal-TORX®
- EPA / ESD, electrostatic discharge
- Blade / Cutting edge width
- Blade thickness
- Gear ratio
- Output torque (max. N·m)
- Input torque (max. N·m)
- Scale divisions
- Single square drive
- Double square drive
- Drive connector
- Spigot-end drive
- in cardboard or plastic packaging
- in sheet metal box
- Set in sheet metal or plastic box
- Pivoting angle
- Weld-on end fitting
- End fitting with hexagon wrench
- Open end fitting
- Flared end fitting
- Ring end fitting
- End fitting with square head
- Bit holder end fitting
- Ratchet end fitting
- Factory certificate
- Visual display digital
- RS 232 interface
- Bi-directional tightening
- Audible reaction (click)
- Integrated electronic hardware
- DREMOMETER MINI-F operable w/o inaccuracies
- 1% Tolerance
- 3% Tolerance
- 4% Tolerance
- 6% Tolerance
- Extension with release
- Release head
- Click Tools
- Slipping Tools
- Breaking Tools
- Head height
- Head diameter
- new
- Catalogue page

Torque Tools

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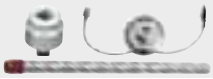
Accessories DREMOMETER		278, 319
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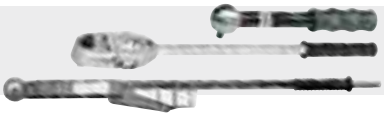
Other Mechanical Torque Wrenches		301 – 307
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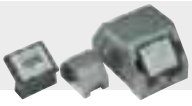
Torque calibration analyser DREMOTEST E		310
Electronic torsion test device E-TP		311
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Torque competence from 0.02 to 54,000 N·m

GEDORE Torque tools... tightening, measuring, testing!

Maximum production depth from a single source

- Use of the very best steel grades, state-of-the-art machinery and environmentally-friendly production processes
- Our tool experts guarantee precision-like processing and permanent development
- Precise adherence to stringent testing and measuring specifications are proof of maximum product quality.
- Large selection of mechanical and electronic torque wrenches, test equipment, torque multipliers and accessories
- Available individually or in practical sets
- Tailored service packages through to development of special customised tools

Controlled screw tightening - reliable and safe for more than 50 years

- Guaranteed high precision and user safety have been a top priority for decades.
- Top-grade industrial quality for the hardest of continuous uses
- Indispensable and very resilient aids for tough everyday workshop environments
- Torque tools are measuring equipment. Over the long term, accuracy can only be assured in the form of regular tests (recalibration; at least once a year / at the latest after 5000 load cycles).

Maximum control during production guarantees a constantly high level.

- All parts incorporated in the production process - from steel to the smallest spring - are controlled while all manufacturing and work steps are subject to stringent quality controls.
- After assembly, adjustment and calibration, torque tools are tested for accuracy in the end control stage and given a serial number (unique product identification) and factory test certificate in accordance with the applicable DIN EN ISO standard.
- Within the framework of regular continuous tests, processing quality, repeat accuracy and durability are tested. The results of these tests are integrated directly in optimising the production process.

0078
D-K-15200-01-00
2013-04

Top-level authorised calibration and competent control

- Own accredited DAkkS calibration laboratory for torques with (licence for testing in acc. with DAkkS guidelines DKD 3-7/3-8/DIN EN ISO 6789:2003) the registration number: D-K-15200-01-00
- National co-operation partner to the German Calibration Service (DAkkS) since accreditation (DIN EN ISO/IEC 17025) and authorisation by PTB in 2000
- Official examination of all test and measuring equipment once a year in the DAkkS laboratory by the Physikalisch-Technische Bundesanstalt in Braunschweig (PTB)
- Internal precision testing of all test and measuring equipment at least once every 3 months

Our all-round service - qualified and customised

We offer you a wide range of services, which can be matched quite individually to your requirements. Your problems are our challenges. We can offer you qualified tailormade support in the following areas:

- In-house calibration according to DIN EN ISO 6789:2003
- DAkkS calibration in our own accredited DAkkS calibration laboratory
- Repair service for our own brands
- Demonstration/hire tools at favourable prices
- Competent advice via our service telephone
- Problem solving with the aid of our technical field service
- Product training (internal and external)
- Product presentations (internal and external)
- Involvement in your in-house fairs
- Special solutions in the engineering field / GEDORE SOLUTIONS

622 - 629

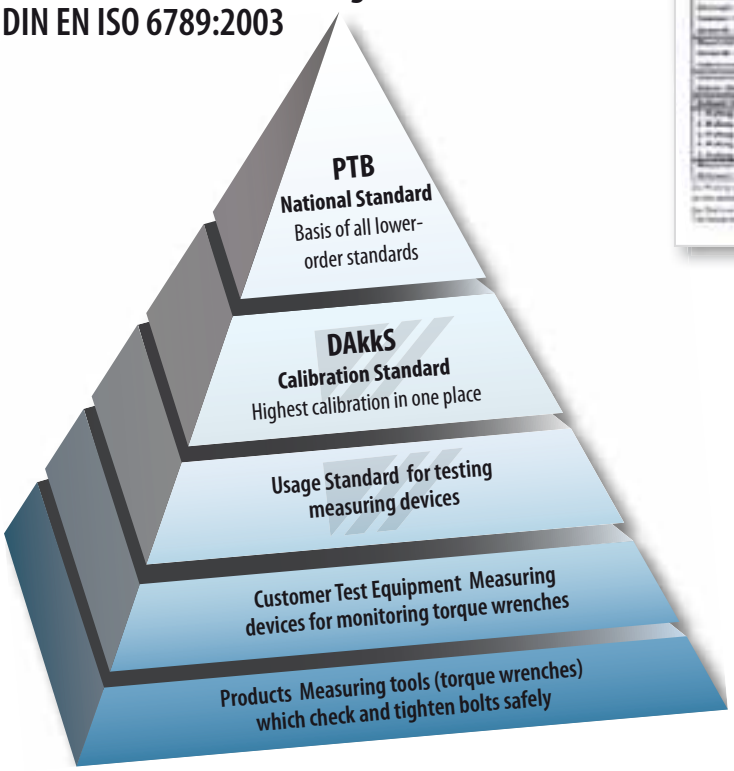
More information on the topics calibration types, certificates and repair service

Certified precision

Traceable safety

DAkkS calibration in our own accredited, independent DAkkS calibration laboratory

In-house calibration according to DIN EN ISO 6789:2003



More information on the topics calibration types, certificates and repair service
622 – 629

DAkkS calibration

Scope of services offered by DAkkS Laboratory

Type	Measuring range	Measuring process	Minimum measurement inaccuracy indicated
Electr. torque wrench	0,2 N·m - 3.000 N·m	DAkkS - DKD - R 3 - 7:2003	0,2 %
Calibration equipment torque wrench (test devices)	0,2 N·m - 3.000 N·m	DAkkS - DKD - R 3 - 8:2003	0,2 %
Hand-operated torque wrench	0,2 N·m - 1.000 N·m	DIN EN ISO 6789:2003	1 %

Factory calibration

Type	Measuring range	Measuring process	Minimum measurement inaccuracy indicated
Electr. torque wrench	0,2 N·m - 1.000 N·m	DIN EN ISO 6789:2003	1 %
Calibration equipment torque wrench (test devices)	0,2 N·m - 3.000 N·m	based on DAkkS-DKD 3-8:2003	0,5 %
Hand-operated torque wrench	0,2 N·m - 1.000 N·m	DIN EN ISO 6789:2003	1 %
Electr. torque/rotary angle wrench	5 N·m - 300 N·m	VDI 2647	0,3°
		based on VDI 2648	0,5°
		Homologation acc. OEM	0,3°

Torques and forces

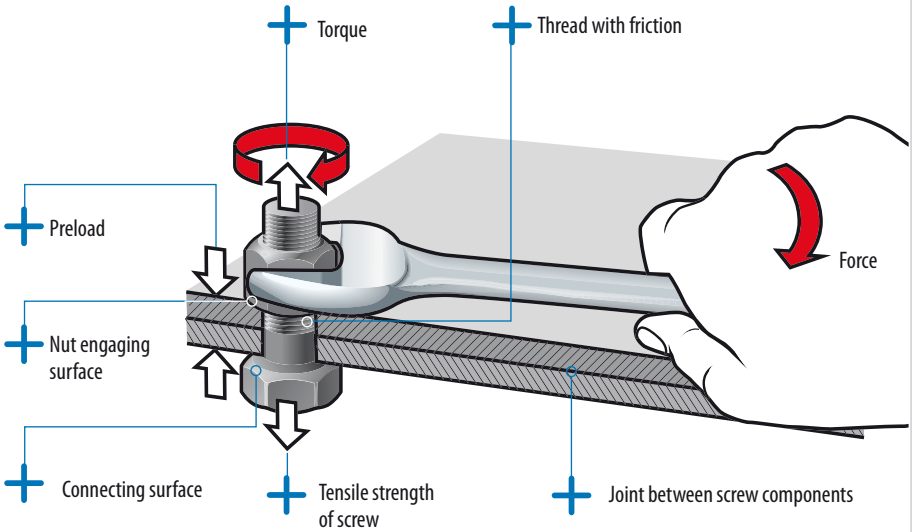
There are different methods to tighten a screw connection. The mechanic works manually and intuitively when using open-ended spanners or ring spanners. The mechanic evaluates if the screw connection fits securely i.e. tightly according to the resistance at the spanner.
Seems logical, however, this process is not reliable.
Only modern processes can be taken into account when tightening important screw connections with guaranteed pre-loads as e.g. tightening with torque wrenches (with or without pivoting angle), motor-driven tightening processes, tightening with ultrasound (to determine pre-load) or tightening with yield stress determination.
Experience has shown that the use of torque tools is sensible. Torque wrenches are a must where controlled screw tightening is required.
The following explanatory remarks and terminology explanations are intended for giving you a rough insight into the world of controlled screw tightening.

What is tightening torque?

The tightening torque is the force specified in Newton metres (N·m) which is generated at the end of a lever and creates a corresponding pre-tension force on a screw connection.
That might be e.g. the square drive of a torque wrench or, as shown in the diagramm, the open end of a spanner.
The screw-tightening torque consists of the thread tightening torque and the seat frictional torque (screw head or nut seat).
In the process, the seat's frictional torque does not contribute to an increase in the pre-tension force.

Working principle

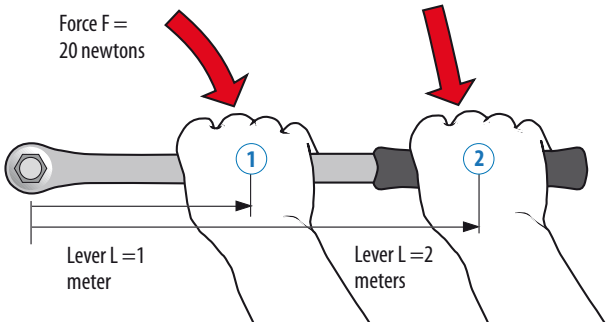
The diagramm shows how two metal plates are joined together (pressed together) in a plug-type screw connection by the tightening of one nut. The angle of pitch of the thread is responsible for the resulting tensile force produced in the screw. A wind-up force is caused by a tensile force. This pre-tension force is decisive for the optimum screw connection. Why?
An optimally tightened screw connection develops sufficient resistance against being loosened.
If the pre-tension force is too weak, the screw connection might vibrate or loosen. If the pre-tension is too great, the danger exists that the screw connection might fracture. You can achieve the optimum pre-tension force with the correct tightening torque. Every screw connection has a certain tightening torque for various fastening requirements. Only if these values are taken into consideration it is possible to tighten a screw connection to a certain pre-tension force in a manner which is safe, works properly and is cost-effective.



How is the torque measured?

The torque is calculated by multiplying the force "F" applied to the lever with the distance from the pivot point to the point of application "L" (length of the lever). Mathematically, that is expressed as follows: Torque M_A = Force F x Lever L

Working principle



The diagram shows dependencies of force F and lever L on the torque on the base of 2 examples.

In order to determine the relevant torque, we employ the formula „**M_A = F x L“.**

(1) M_A = F x L = 20 N x 1 m = 20 N·m (newton meters)
(2) M_A = F x L = 20 N x 2 m = 40 N·m (newton meters)

This means that the actual torque applied to the screw changes if the hand's position on the wrench changes.

Also applies for DREMASTER®... Handgrip with user aid

Operable without inaccuracies

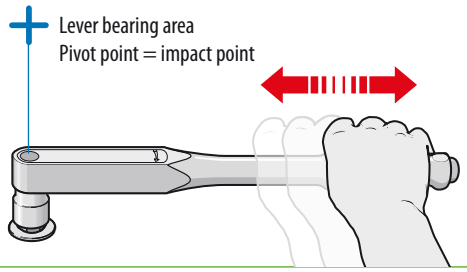
DREMOMETER Type MINI - F

In the DREMOMETER, we got around the physical principle explained above using constructional cleverness. Irrespective of where you apply the force - whether it be in the middle of the handgrip or at another position ot the DREMOMETER, whether it be with both hands or using an extension tube - the torque set by you is always achieved exactly - without shifts in value!
By virtue of an axial position of the pivot point and the output square drive, the DREMOMETER is a tool which is operable without inaccuracies. By contrast to conventional torque wrenches, this single lever enables tightening without shifts in the measured value and without actuation away from the handgrip adversely affecting the accurancy.

Please note that most conventional torque wrenches can only be actuated at the middle of the handgrip because, otherwise, considerable shifts in value could occur.
Do you want to play it safe? Then choose DREMOMETER.

The set torque (M_{xW}) when using special spanners is determined along the following lines:

$$\frac{M_A \times l_w}{l_x + l_w}$$

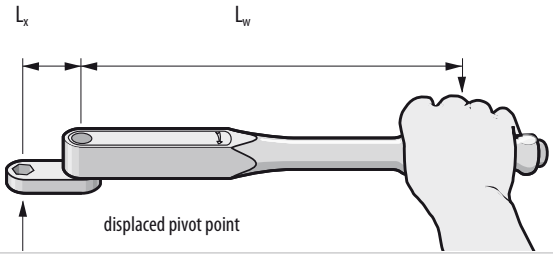


DREMOMETER with spanners

When the DREMOMETER is actuated with a special extension spanner, the single lever mentioned above is no longer the case.
The attached spanner alters the conditions to the extent that the pivot point is now situated outside of the output square drive and thus a so-called double lever acts upon the screw connection.
That has the consequence that the hand's pressure "F" can now only be applied to the middle of the handgrip.
Every other pressure point would inevitably lead to shifts in value.

Set torque = Our DREMOMETER and SE operate in accordance with the same principle. Here, the position of the pivot point also shifts to the front. These wrenches must also be actuated at the middle of the handgrip. However, if you are using our spanner end fittings, then the setting torque does not have to be re-calculated on the basis of the below-specified formula. Keep the depth gauges in the certificate in mind.
Note: Do not use end fittings together with a DREMOMETER with integrated ratchet!

F = Hand pressure
M_{xW} = Set torque, which has to be set on the scale of the DREMOMETER
M_A =Tightening torque, used to tighten the screw or nut
l_w = Distance from the middle of the square drive of the DREMOMETER to the middle of the handgrip
l_x = Distance from the middle of the square drive of the DREMOMETER to the middle of the screw or nut (also called depth gauge end fitting)



DREMOMETER TYPE MINI 279

DREMOMETER TYPE AM-F 264 - 277

Overview of GEDORE torque tools

	Series/Type		Precision	Drive	Ratchet	Scale	Operation length independent	Release types
			+ / -					
	0,2 - 3.000 N·m Mech. torque wrench							
279	DREMOMETER MINI		3 %	1/4"		●	●	1
264 - 277	DREMOMETER AM - F		3 %	1/4" -> 1 1/2"		●	●	1
268	DREMOMETER BCK		3 %	1/2"	●	●	●	1
280	DREMOMETER Z		3 %	16 22 28		●		1
281	DREMOMETER SE		3 %	9x12 14x18		●		1
279	DREMOMETER FS		6 %	1/4"			●	1
286	DREMASTER DMK		3 %	1/2" -> 3/4"	●	●		1
286	DREMASTER DMUK		3 %	1/2"	●	●		1
288	DREMASTER DMZ		3 %	16 22		●		1
289	DREMASTER DMSE		3 %	9x12 14x18		●		1
291 - 292	TORCOFIX K / UK		3 %	1/4" -> 3/4"	●	●		1
293	TORCOFIX K US		3 %	1/4" -> 3/4"	●	●		1
294	TORCOFIX Z		3 %	16 22		●		1
295	TOROFIX SE		3 %	9x12 14x18		●		1
295	TORCOFIX FS		3 %	9x12 14x18				1
303	TSN SLIPPER		4 %	1/4" -> 1/4"	●		●	2
305	TBN KNICKER		4 % 6 %	16 9x12 (760-00/01)				3
306	ATB		4 %	16 9x12	●			3
301	TSP SLIPPER		6 %	1/4" -> 1/2"	●		●	2
301	TSC SLIPPER		6 %	1/4"	●	●	●	2
307	Typ 83		4 %	1/4" -> 1"	●		●	
306	Typ 88		4 %	3/4" 22	●	●		3
	0,02 - 13,6 N·m Torque screwdriver							
300	Typ 755 FS		6 %	1/4"	●	●		2
299	Typ 756 S		6 %	1/4"		●		2
298	Typ 757 S		6 %	1/4"		●		2
300	Typ 758 SP		6 %	1/4"		●		
	2 - 1.000 N·m Electr. torque wrench							
309	TORCOTRONIC III		1 %	1/2"	●	●		
308	E-TORC II		1 %	1/4"		●		
	0,5 - 3.150 N·m Torque testers							
310	Dremotest E		1 %	1/4" -> 1 1/2"				
311	E-TP		1 %	1/4" -> 1 1/2"				

Range N·m

5 10 15 20 40 60 80 100 150 200 300 400 500 750 1000 1500 2000

Mech. torque wrench

- 2 - 12 N·m
- 6 - 3000 N·m
- 40 - 200 N·m
- 8 - 1000 N·m
- 8 - 400 N·m
- 1-14 N·m
- 20 - 850 N·m
- 20 - 300 N·m
- 20 - 850 N·m
- 20 - 400 N·m
- 1 - 850 N·m
- 10 lbf·in - 600 lbf·ft
- 2 -850 N·m
- 2 -400 N·m
- 2 - 200 N·m
- 5 - 125 N·m
- 0,4 - 135 N·m
- 5 - 100 N·m
- 1 - 10 N·m
- 1 - 10 N·m
- 0,8 - 2000 N·m
- 100 - 1500 N·m

Torque screwdriver

- 0,04 - 13,6 N·m
- 0,08 - 9 N·m
- 0,2 - 9 N·m
- 10 - 500 cN·m/ 14 ozf·in - 40 lbf·in

Electr. torque wrench

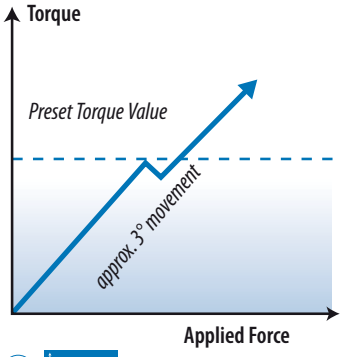
- 10 - 350 N·m
- 2 - 1000 N·m

Torque testers

- 0,2 - 3150 N·m
- 0,5 - 3150 N·m

Different Torque Tool Mechanisms

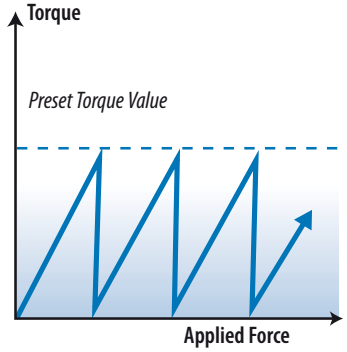
Click Tools (Overtightening Possible)



1 Overtightening **Possible**

When the preset torque value is reached the operator will hear a click, feel an impulse and there will be approximately 3° of tool movement. Resetting takes place when the hand pressure is released. Work can then immediately continue. These tools are generally length dependent (exception DREMOMETER models AM - F), the position of the hand on the tool alters the torque produced. Continued application of force after the 3° of movement will cause the torque applied to increase above the required preset limit.

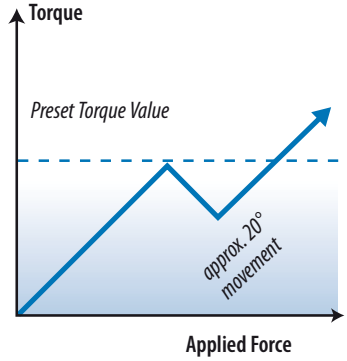
Slipping Tools (Overtightening Impossible)



2 Overtightening **Impossible**

When the preset torque value is reached, a mechanism in the tool causes the application of torque to cease and the tool slips free for a short time until resetting occurs. Even if the application of force is repeated, the preset torque value will not be exceeded, therefore making it impossible to overtighten a fastener. These tools are not length dependent.

Breaking Tools (Overtightening Unlikely)



3 Overtightening **Unlikely**

When the preset torque value is reached, these tools break at a specific point along the tool's length - usually at a pivot point near the tool's head.
In most cases the movement is approximately 20°.
The tool is automatically reset by allowing the handle to return to its in line position.
These tools are length dependent, the position of the hand on the tool alters the torque produced.
Continued application of force after 20° of tool movement will increase the torque applied above the preset limit but with the greater angle of tool movement this is less likely.

DREMOMETER - permanent precision

Torque wrench made of high-strength aluminium alloy

Drive in accordance with application: DREMOMETERS are available for a large variety of applications in controlled screw tightening. The single square drive for controlled clockwise tightening or the double square drive (L) for controlled bi-directional tightening. Special utilisation areas for DREMOMETER with spigot end (Z) and rectangular cavity (SE) particularly for hard-to-access locations and where space is tight. Almost all DREMOMETER models have separate ratchet heads, and there are good reasons for that: It is possible to work with or without the ratchet head function as desired.

Robust and unsusceptible: The full-metal construction of the DREMOMETER makes it particularly unsusceptible to grime and rough handling on construction sites, in workshops and in industry.

Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate allowing for operations to be traced back. Calibrated to a permitted +/- 3 % deviation and better. The specifications of the standard (+/- 4 %) are exceeded.

Automatic resetting: The DREMOMETER gives operator an audible signal and tactile impulse and is back in operation in an instant.

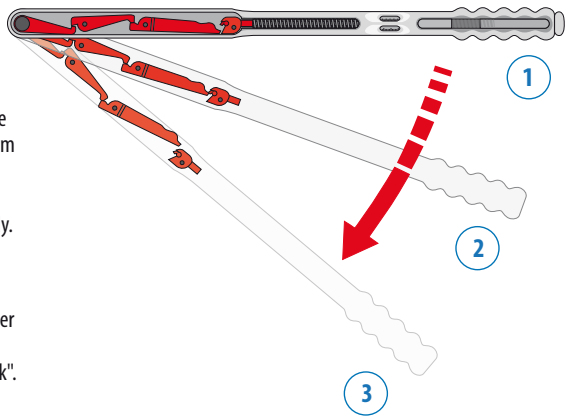
Working principle

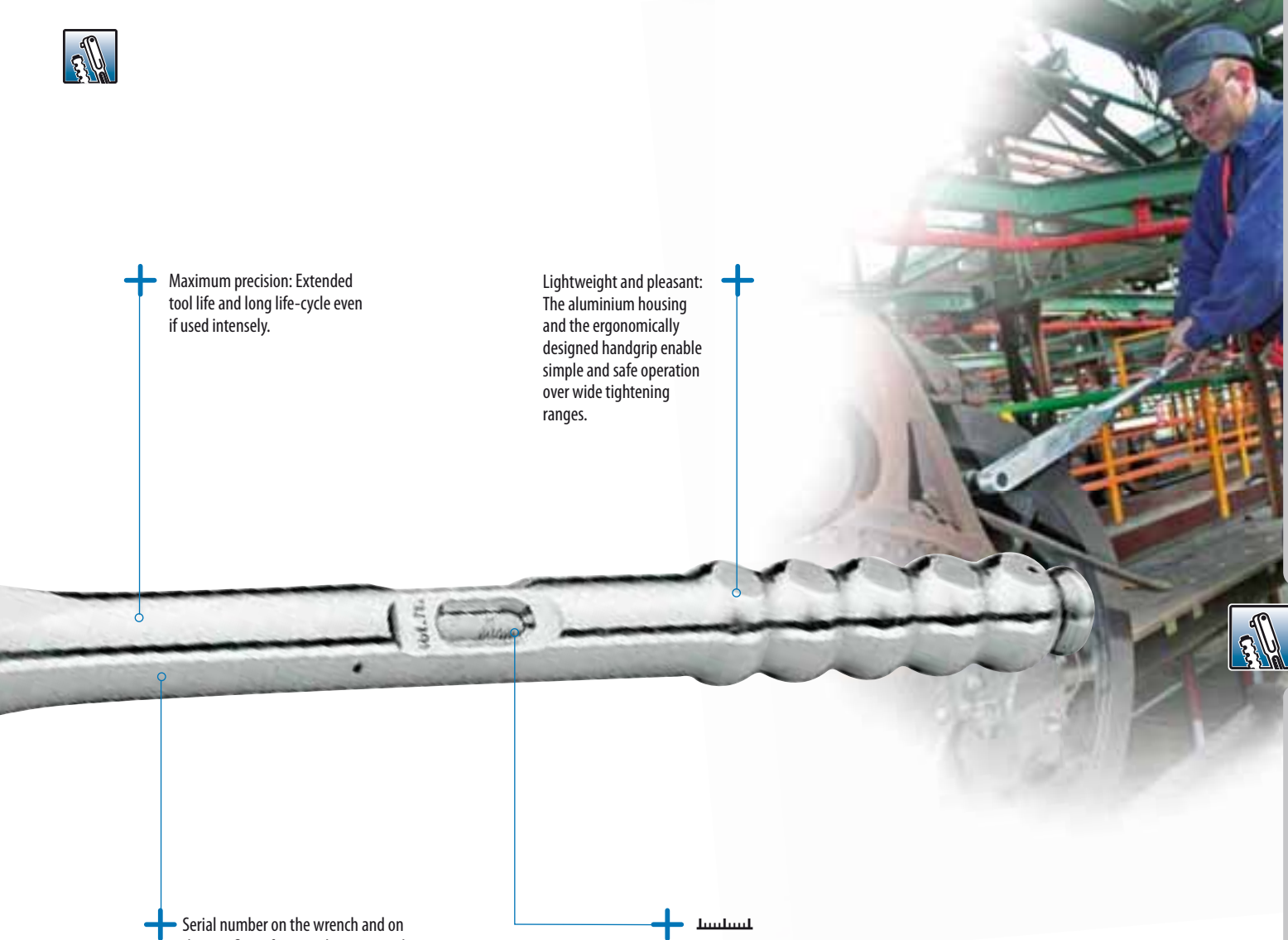
The quality lever chain produced in the company's own drop forge reduces the strain on the mechanics to a minimum. The proportioning of the individual levers, which are optimally attuned to each other, gives the DREMOMETER its unique precision and its long tool life.

(1) Position of the lever chain without impact of force (in starting position).

(2) Position of the lever chain with impact of force before the set torque is achieved. The force is transferred from the primary lever to the intermediary and final lever until the final lever slips past the so-called release lever through the sliding back of the angle-lever body.

(3) Position of the lever chain when the force impacts after the torque setting is achieved. Immediate position after the clear tactile impulse and audible signal "click". On relief, the lever chain moves back into the starting position (1).





Maximum precision: Extended tool life and long life-cycle even if used intensely.

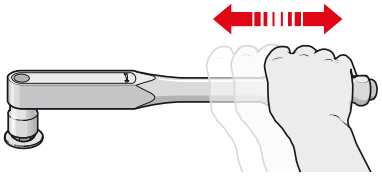
Lightweight and pleasant: The aluminium housing and the ergonomically designed handgrip enable simple and safe operation over wide tightening ranges.

Serial number on the wrench and on the certificate for unambiguous product identification, traceable via in-house DAkkS laboratory to national standards

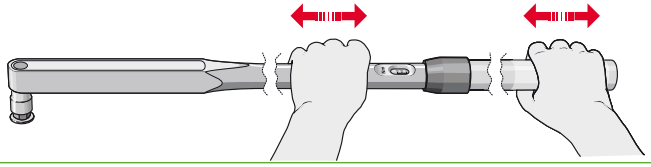
Scale: Clear dual scale N·m and lbf·in/lbf·ft on every DREMOMETER (apart from models E / EL / EK / EKL / F).

DREMOMETER Type MINI - F
Operable without inaccuracies

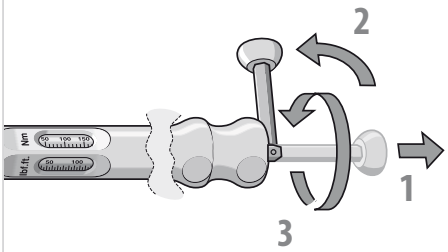
Regardless of where you apply the force, at the center of the handgrip or another part of the DREMOMETER, with both hands or using an extension tube, your torque setting will always be attained, without shifts in value. Due to its unique single-axis location of the centre of rotation and the output square drive, the DREMOMETER is a tool that can be operated free from errors. In contrast to conventional torque wrenches, this single lever enables tightening without shifts in the measured value and without interference caused by activation outside of the handgrip.



However, value shifts are possible when activating the DREMOMETER with special wrenches or when using wrenches with different depth gauges.



Features



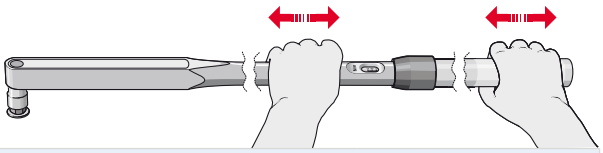
Setting of the torque value to N·m or alternatively to lbf·in / lbf·ft by the non-losable hexagon key in the handgrip.
The smooth-running mechanism enables the setting to be made quickly without significant force needing to be applied.

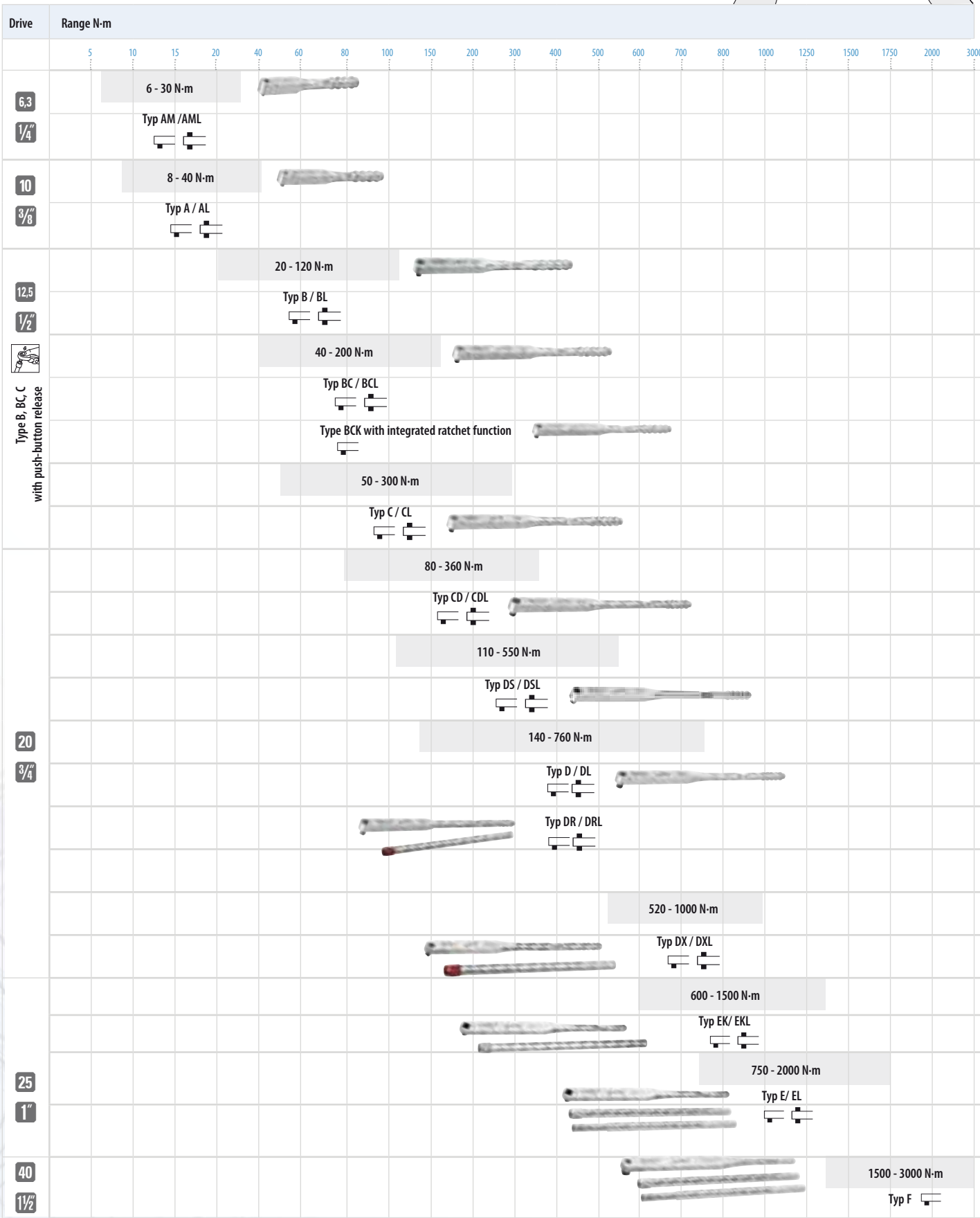
All DREMOMETERS are also available with locking and safely device (A+S).

The DREMOMETER

The Original

- Lightweight and sturdy, very workshop-friendly
- Maximum precision even when subjected to extreme continuous use





Type	N·m	lbf·in	lbf·ft	⎓	Tube	Code	No.
AM	6-30	50-270	–	1 N·m / 10 lbf·in	–	7775440	8554-01
AML	6-30	50-270	–	1 N·m / 10 lbf·in	–	7775870	8559-01
A	8-40	70-350	–	5 N·m / 50 lbf·in	–	7682000	8560-01
AL	8-40	70-350	–	5 N·m / 50 lbf·in	–	7682190	8565-01
B	20-120	–	15-90	5 N·m / 5 lbf·ft	–	7683320	8561-01
BL	20-120	–	15-90	5 N·m / 5 lbf·ft	–	7683400	8566-01
BC	40-200	–	30-150	5 N·m / 5 lbf·ft	–	7685530	8573-00
BCL	40-200	–	30-150	5 N·m / 5 lbf·ft	–	7683670	8578-00
BCK	40-200	–	30-150	5 N·m / 5 lbf·ft	–	1905449	8573-10
C	50-300	–	35-220	5 N·m / 5 lbf·ft	–	7685450	8562-10
CL	50-300	–	35-220	5 N·m / 5 lbf·ft	–	7685960	8567-10
CD	80-360	–	60-260	5 N·m / 5 lbf·ft	–	7688470	8570-10
CDL	80-360	–	60-260	5 N·m / 5 lbf·ft	–	7688710	8575-10
DS	110-550	–	80-400	10 N·m / 10 lbf·ft	–	1427156	8574-10
DSL	110-550	–	80-400	10 N·m / 10 lbf·ft	–	1427121	8579-10
D	140-760	–	100-560	10 N·m / 10 lbf·ft	–	7691500	8563-10
DL	140-760	–	100-560	10 N·m / 10 lbf·ft	–	7691850	8568-10
DR	140-760	–	100-560	10 N·m / 10 lbf·ft	8571-80	7670180	8563-01
DRL	140-760	–	100-560	10 N·m / 10 lbf·ft	8571-80	7670500	8568-01
DX	520-1000	–	380-730	10 N·m / 10 lbf·ft	8571-80	7694010	8571-01
DXL	520-1000	–	380-730	10 N·m / 10 lbf·ft	8571-80	7694360	8576-01
EK	600-1500	–	–	25 N·m	8564-92	2311267	8581-01
EKL	600-1500	–	–	25 N·m	8564-92	2311291	8586-01
E	750-2000	–	–	50 N·m	8564-92 / 8572-74	7695250	8564-01
EL	750-2000	–	–	50 N·m	8564-92 / 8572-74	7695410	8569-01
F	1500-3000	–	–	50 N·m	8564-92 / 8572-74	7717160	8572-01

All the benefits at a single glance

Square drive

- In the DREMOMETER, the output square drive and the pivot point of the primary lever are situated on a single axis.
- Advantage: The absolute accuracy always remains unchanged in every case. Even if the tool is operated outside of the handgrip or with an extension tube.
- This ensures a high degree of user safety; can be extended to reduce the user's working load.

Lever chain

- The integrated lever chain reduces the strain on the measuring mechanics to a minimum which means that the measuring mechanics can thus be constructed with much greater sensitivity.
- Advantage: High accuracy and a long life cycle.
- Extremely low wear

Double square drive

- DREMOMETER models (except model F) having a double square drive are available on request. Apart from that, separate ratchet heads are available for almost all models (except model F).
- Advantage: Controlled counter-clockwise tightening and work in very narrow spaces are possible without any problems.

Scale

- Two scales on each DREMOMETER indicate N·m and the common US unit of torque measurement (apart from types E - F).
- Advantage: Exact reading even for lbf·in or lbf·ft.
- Easy operation - fast and safe torque tightening

Handgrip

- The nice-to-hold handgrip enables safe work and less operator fatigue. The full-metal construction makes DREMOMETER models particularly robust.
- Advantage: A high level of dependability even following tough long term work.

Test certificate

- All DREMOMETER models include a test certificate according to DIN EN ISO 6789:2003.
- Advantage: Guaranteed accuracy +/-3 % of the adjusted scale value. The specification of the standard (+/- 4 %) is exceeded.

TORQUE WRENCH DREMOMETER 6-30 N·m / 50-270 lbf·in

Use:

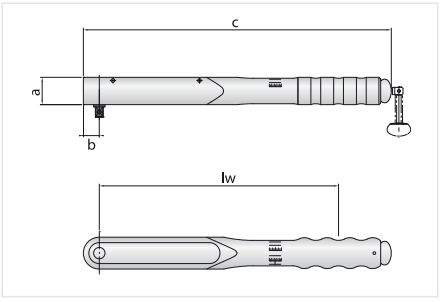
- Controlled screw tightening in the range 6-30 N·m / 50-270 lbf·in
- For use in almost all industrial manufacturing areas

Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- 1/4" square drive with ball locking device DIN 3120 - A 6.3 ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 1 N·m and 10 lbf·in

Technical advantage/Function:

- Lightweight and robust (as housing is made of an aluminium alloy), very workshop-friendly
- No inaccuracies whether used with both hands or held away from the handle (as for standard torque wrenches). Both the square drive and fulcrum are on an axis which ensures a high degree of user safety; can be extended to reduce the user's working load.
- Extremely low wear attributable to reduced forces in a unique lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- Single- and double-square drive for controlled bi-directional tightening



Type	■ "	■	Contents	N·m	lbf·in	lw	a	b	c			Code	No.
AM	1/4	6.3	in plastic box	6-30	50-270	207	30	15	268	1 N·m / 10 lbf·in	0.580	**7775440**	8554-01
AM	1/4	6.3	in plastic cassette	6-30	50-270	207	30	15	268	1 N·m / 10 lbf·in	0.910	**7674090**	8554-02
AM	1/4	6.3	Set mm 8 9 10 11 12 13 14 3 5.5 4 5 6 8 T20 T27 T30 754-00 55 + 97 mm	6-30	50-270	207	30	15	268	1 N·m / 10 lbf·in	1.300	**7674170**	8554-03
AM	1/4	6.3	Set INCH 9/32 5/16 11/32 3/8 7/16 1/2 9/16 3 5.5 4 5 6 8 T20 T27 T30 754-00 55 + 97 mm	6-30	50-270	207	30	15	268	1 N·m/ 10 lbf·in	1.300	**7674410**	8554-04
AML	1/4	6.3	in plastic box	6-30	50-270	207	30	15	268	1 N·m / 10 lbf·in	0.580	**7775870**	8559-01
AML	1/4	6.3	in plastic cassette	6-30	50-270	207	30	15	268	1 N·m / 10 lbf·in	0.910	**7673790**	8559-02
AML	1/4	6.3	Set mm 8 9 10 11 12 13 14 3 5.5 4 5 6 8 T20 T27 T30 754-00 55 + 97 mm	6-30	50-270	207	30	15	268	1 N·m / 10 lbf·in	1.300	**7675060**	8559-03
AML	1/4	6.3	Set INCH 9/32 5/16 11/32 3/8 7/16 1/2 9/16 3 5.5 4 5 6 8 T20 T27 T30 754-00 55 + 97 mm	6-30	50-270	207	30	15	268	1 N·m / 10 lbf·in	1.300	**7675140**	8559-04

TORQUE WRENCH DREMOMETER 8-40 N·m / 70-350 lbf·in

Use:

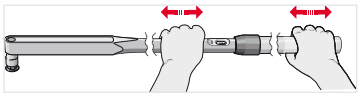
- Controlled screw tightening in the range 8-40 N·m / 70-350 lbf·in
- For use in almost all industrial manufacturing areas

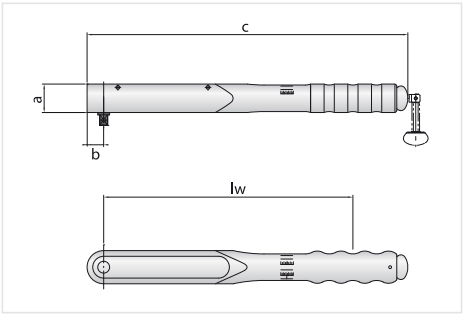
Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- 3/8" square drive with ball locking device DIN 3120 - A 10, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 5 N·m and 50 lbf·in

Technical advantage/Function:

- Lightweight and robust (as housing is made of an aluminium alloy), very workshop-friendly
- No inaccuracies whether used with both hands or held away from the handle (as for standard torque wrenches). Both the square drive and fulcrum are on an axis which ensures a high degree of user safety; can be extended to reduce the user's working load.
- Extremely low wear attributable to reduced forces in a unique lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- Single- and double-square drive for controlled bi-directional tightening





Type	■"	■	Contents	N·m	lbf·in	lw	a	b	c	⟷	kg	Code	No.
A	3/8	10	in plastic box	8-40	70-350	263	30	17.5	338	5 N·m / 50 lbf·in	1.0	**7682000**	8560-01
A	3/8	10	in a sheet-metal case	8-40	70-350	263	30	17.5	338	5 N·m / 50 lbf·in	2.2	**7682270**	8560-02
A	3/8	10	Set mm ○ 8 10 11 13 14 15 17 19 ◉ 4 5 6 8 754-01 125 + 250 mm	8-40	70-350	263	30	17.5	338	5 N·m / 50 lbf·in	3.1	**7682430**	8560-03
A	3/8	10	Set INCH ○ 3/8 7/16 1/2 9/16 19/32 5/8 11/16 ◉ 1/4 5/16 3/8 754-01 125 + 250 mm	8-40	70-350	263	30	17.5	338	5 N·m / 50 lbf·in	3.0	**7683160**	8560-04
AL	3/8	10	in plastic box	8-40	70-350	263	30	17.5	338	5 N·m / 50 lbf·in	1.0	**7682190**	8565-01
AL	3/8	10	in a sheet-metal case	8-40	70-350	263	30	17.5	338	5 N·m / 50 lbf·in	2.2	**7682350**	8565-02
AL	3/8	10	Set mm ○ 8 10 11 13 14 15 17 19 ◉ 4 5 6 8 754-01 125 + 250 mm	8-40	70-350	263	30	17.5	338	5 N·m / 50 lbf·in	3.1	**7682940**	8565-03
AL	3/8	10	Set INCH ○ 3/8 7/16 1/2 9/16 19/32 5/8 11/16 ◉ 1/4 5/16 3/8 754-01 125 + 250 mm	8-40	70-350	263	30	17.5	338	5 N·m / 50 lbf·in	3.0	**7683240**	8565-04

TORQUE WRENCH DREMOMETER 20-120 N·m / 15-90 lbf·ft

Use:

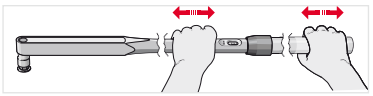
- Controlled screw tightening in the range 20-120 N·m / 15-90 lbf·ft
- For use in almost all industrial manufacturing areas

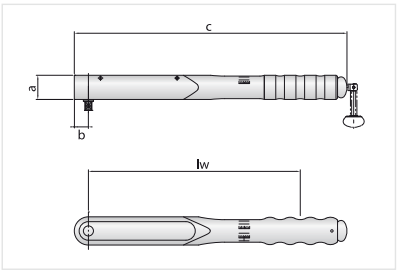
Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- 1/2" square drive with ball locking device DIN 3120 - A 12.5, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 5 N·m and 5 lbf·ft
- **With push-button release**

Technical advantage/Function:

- Lightweight and robust (as housing is made of an aluminium alloy), very workshop-friendly
- No inaccuracies whether used with both hands or held away from the handle (as for standard torque wrenches). Both the square drive and fulcrum are on an axis which ensures a high degree of user safety; can be extended to reduce the user's working load.
- Extremely low wear attributable to reduced forces in a unique lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- Single- and double-square drive for controlled bi-directional tightening





Type	■"	■	Contents	N·m	lbf·ft	lw	a	b	c	⟷	kg	Code	No.
B	1/2	12.5	in plastic box	20-120	15-90	374	30	17.5	462	5 N·m / 5 lbf·ft	1.5	**7683320**	8561-01
B	1/2	12.5	in a sheet-metal case	20-120	15-90	374	30	17.5	462	5 N·m / 5 lbf·ft	2.8	**7683830**	8561-02
B	1/2	12.5	Set mm ○ 11 13 14 17 19 22 24 ◉ 6 8 10 12 754-02 76 + 125 + 250 mm	20-120	15-90	374	30	17.5	462	5 N·m / 5 lbf·ft	4.7	**7684480**	8561-03
B	1/2	12.5	Set INCH ○ 7/16 1/2 9/16 19/32 5/8 11/16 3/4 25/32 13/16 7/8 15/16 1" ◉ 5/16 3/8 1/2" 754-02 76 + 125 + 250 mm	20-120	15-90	374	30	17.5	462	5 N·m / 5 lbf·ft	5.3	**7684990**	8561-04
BL	1/2	12.5	in plastic box	20-120	15-90	374	30	17.5	462	5 N·m / 5 lbf·ft	1.5	**7683400**	8566-01
BL	1/2	12.5	in a sheet-metal case	20-120	15-90	374	30	17.5	462	5 N·m / 5 lbf·ft	2.8	**7684130**	8566-02
BL	1/2	12.5	Set mm ○ 11 13 14 17 19 22 24 ◉ 6 8 10 12 754-02 76 + 125 + 250 mm	20-120	15-90	374	30	17.5	462	5 N·m / 5 lbf·ft	4.7	**7684640**	8566-03
BL	1/2	12.5	Set INCH ○ 7/16 1/2 9/16 19/32 5/8 11/16 3/4 25/32 13/16 7/8 15/16 1" ◉ 5/16 3/8 1/2" 754-02 76 + 125 + 250 mm	20-120	15-90	374	30	17.5	462	5 N·m / 5 lbf·ft	5.3	**7685100**	8566-04

TORQUE WRENCH DREMOMETER 40-200 N·m / 30-150 lbf·ft

Use:

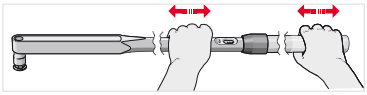
- Controlled screw tightening in the range 40-200 N·m / 30-150 lbf·ft
- For use in almost all industrial manufacturing areas

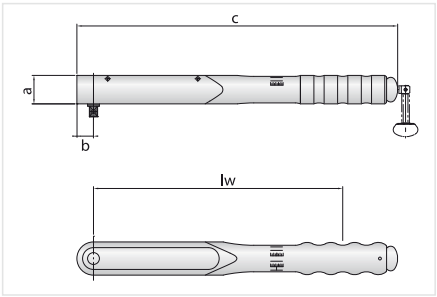
Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- 1/2" square drive with ball locking device DIN 3120 - A 12.5, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 5 N·m and 5 lbf·ft
- **With push-button release**

Technical advantage/Function:

- Lightweight and robust (as housing is made of an aluminium alloy), very workshop-friendly
- No inaccuracies whether used with both hands or held away from the handle (as for standard torque wrenches). Both the square drive and fulcrum are on an axis which ensures a high degree of user safety; can be extended to reduce the user's working load.
- Extremely low wear attributable to reduced forces in a unique lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- Single- and double-square drive for controlled bi-directional tightening





Type	■"	■	Contents	N·m	lbf·ft	lw	a	b	c	⟷	kg	Code	No.
BC	1/2	12.5	in plastic box	40-200	30-150	463	30	17.5	551	5 N·m / 5 lbf·ft	1.4	**7685530**	8573-00
BC	1/2	12.5	in a sheet-metal case	40-200	30-150	463	30	17.5	551	5 N·m / 5 lbf·ft	3.5	**7683590**	8573-02
BC	1/2	12.5	Set mm ○ 11 13 14 17 19 21 22 24 27 ◉ 6 8 10 12 754-02 125 + 250 mm	40-200	30-150	463	30	17.5	551	5 N·m / 5 lbf·ft	5.1	**7683910**	8573-03
BC	1/2	12.5	Set INCH ○ 1/2 9/16 5/8 11/16 3/4 13/16 7/8" ◉ 5/16 3/8 1/2 9/16" 754-02 125 + 250 mm	40-200	30-150	463	30	17.5	551	5 N·m / 5 lbf·ft	4.9	**7684720**	8573-04
BCL	1/2	12.5	in plastic box	40-200	30-150	463	30	17.5	551	5 N·m / 5 lbf·ft	1.3	**7683670**	8578-00
BCL	1/2	12.5	in a sheet-metal case	40-200	30-150	463	30	17.5	551	5 N·m / 5 lbf·ft	3.5	**7683750**	8578-02
BCL	1/2	12.5	Set mm ○ 11 13 14 17 19 21 22 24 27 ◉ 6 8 10 12 754-02 125 + 250 mm	40-200	30-150	463	30	17.5	551	5 N·m / 5 lbf·ft	5.1	**7684050**	8578-03
BCL	1/2	12.5	Set INCH ○ 1/2 9/16 5/8 11/16 3/4 13/16 7/8" ◉ 5/16 3/8 1/2 9/16" 754-02 125 + 250 mm	40-200	30-150	463	30	17.5	551	5 N·m / 5 lbf·ft	4.9	**7684210**	8578-04

8573-10 BCK

TORQUE WRENCH DREMOMETER WITH INTEGRATED RATCHET 40-200 N·m / 30-150 lbf·ft

Use:

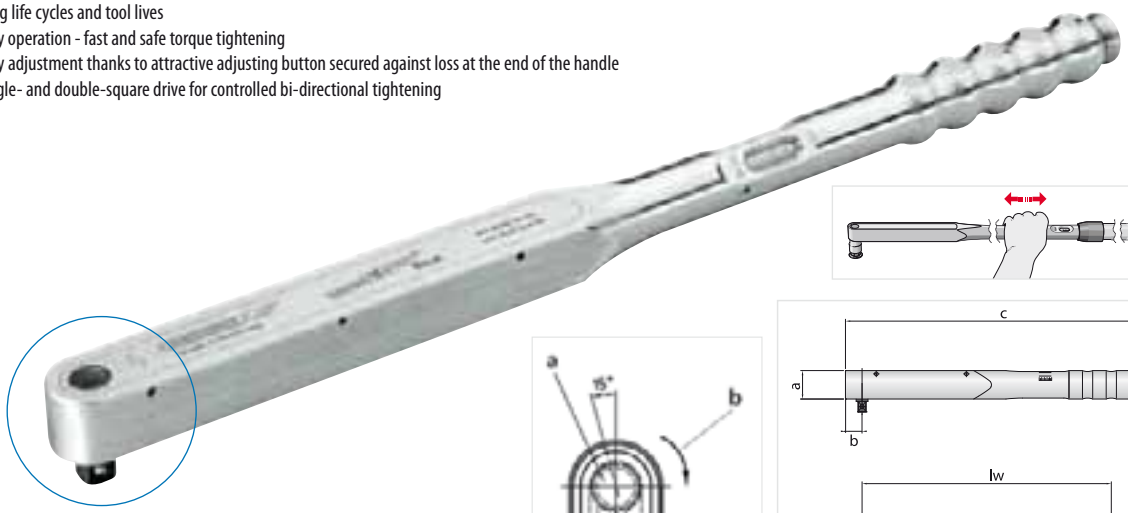
- Controlled screw tightening in the range 40-200 N·m / 30-150 lbf·ft
- For use in almost all industrial manufacturing areas

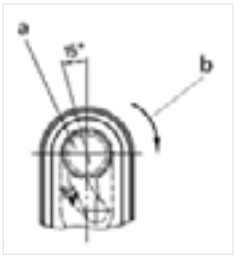
Features:

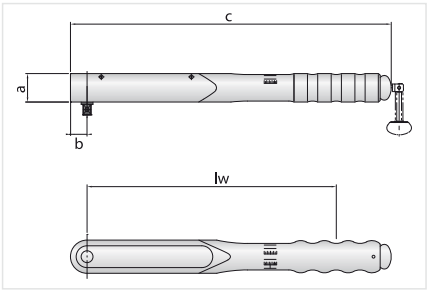
- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- 1/2" square drive with ball locking device DIN 3120 - A 12.5, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 5 N·m and 5 lbf·ft
- **With integrated ratchet function (no extra ratchet necessary)**

Technical advantage/Function:

- Lightweight and robust (as housing is made of an aluminium alloy), very workshop-friendly
- No inaccuracies whether used with both hands or held away from the handle (as for standard torque wrenches). Both the square drive and fulcrum are on an axis which ensures a high degree of user safety; can be extended to reduce the user's working load.
- Extremely low wear attributable to reduced forces in a unique lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- Single- and double-square drive for controlled bi-directional tightening



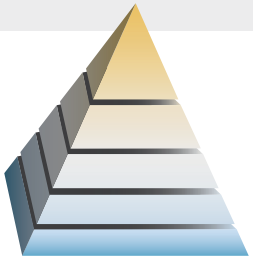




Type	■ "	■	Contents	N·m	lbf·ft	lw	a	b	c	⏦	kg	Code	No.
BCK	1/2	12.5	in plastic box	40-200	30-150	463	35	20.0	554	5 N·m / 5 lbf·ft	1.4	**1905449**	8573-10

DVV-40ZRS 329

OUR ALL-ROUND SERVICE - QUALIFIED AND CUSTOMISED 622 - 629



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TORQUE WRENCH DREMOMETER 50-300 N·m / 35-220 lbf·ft

Use:

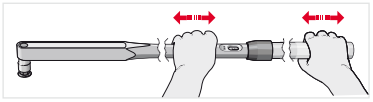
- Controlled screw tightening in the range 50-300 N·m / 35-220 lbf·ft
- For use in almost all industrial manufacturing areas

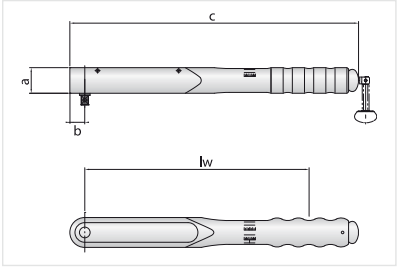
Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- 1/2" square drive with ball locking device DIN 3120 - A 12.5, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 5 N·m and 5 lbf·ft
- **With push-button release**

Technical advantage/Function:

- Lightweight and robust (as housing is made of an aluminium alloy), very workshop-friendly
- No inaccuracies whether used with both hands or held away from the handle (as for standard torque wrenches). Both the square drive and fulcrum are on an axis which ensures a high degree of user safety; can be extended to reduce the user's working load.
- Extremely low wear attributable to reduced forces in a unique lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- Single- and double-square drive for controlled bi-directional tightening





Type	■ "	■	Contents	N·m	lbf·ft	lw	a	b	c	⟷	kg	Code	No.
C	1/2	12.5	in plastic box	50-300	35-220	529	30	17.5	617	5 N·m / 5 lbf·ft	2.0	**7685450**	8562-10
C	1/2	12.5	in a sheet-metal case	50-300	35-220	529	30	17.5	617	5 N·m / 5 lbf·ft	3.6	**7686340**	8562-20
C	1/2	12.5	Set mm ○ 17 19 22 24 27 30 32 ◉ 8 10 12 14 754-02 76 + 125 + 250 mm	50-300	35-220	529	30	17.5	617	5 N·m / 5 lbf·ft	6.0	**7687070**	8562-30
C	1/2	12.5	Set INCH ○ 3/4 25/32 13/16 7/8 15/16 1" 1.1/16 1.1/8 1.1/4" ◉ 3/8 1/2 9/16 5/8" 754-02 76 + 125 + 250 mm	50-300	35-220	529	30	17.5	617	5 N·m / 5 lbf·ft	6.2	**7687820**	8562-40
CL	1/2	12.5	in plastic box	50-300	35-220	529	30	17.5	617	5 N·m / 5 lbf·ft	2.0	**7685960**	8567-10
CL	1/2	12.5	in a sheet-metal case	50-300	35-220	529	30	17.5	617	5 N·m / 5 lbf·ft	3.6	**7686690**	8567-20
CL	1/2	12.5	Set mm ○ 17 19 22 24 27 30 32 ◉ 8 10 12 14 754-02 76 + 125 + 250 mm	50-300	35-220	529	30	17.5	617	5 N·m / 5 lbf·ft	6.0	**7687310**	8567-30
CL	1/2	12.5	Set INCH ○ 3/4 25/32 13/16 7/8 15/16 1" 1.1/16 1.1/8 1.1/4" ◉ 3/8 1/2 9/16 5/8" 754-02 76 + 125 + 250 mm	50-300	35-220	529	30	17.5	617	5 N·m / 5 lbf·ft	6.2	**7688120**	8567-40

TORQUE WRENCH DREMOMETER 80-360 N·m / 60-260 lbf·ft

Use:

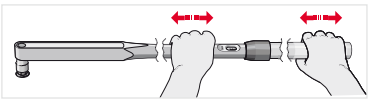
- Controlled screw tightening in the range 80-360 N·m / 60-260 lbf·ft
- For use in almost all industrial manufacturing areas

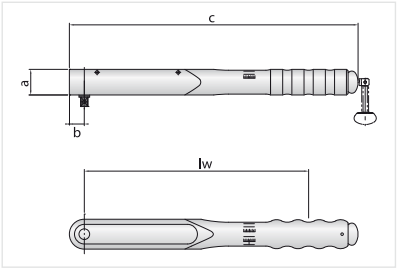
Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- 3/4" square drive with pin-locking mechanism as per DIN 3120 - B 20, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 5 N·m and 5 lbf·ft

Technical advantage/Function:

- Lightweight and robust (as housing is made of an aluminium alloy), very workshop-friendly
- No inaccuracies whether used with both hands or held away from the handle (as for standard torque wrenches). Both the square drive and fulcrum are on an axis which ensures a high degree of user safety; can be extended to reduce the user's working load.
- Extremely low wear attributable to reduced forces in a unique lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- Single- and double-square drive for controlled bi-directional tightening





Type	■ "	■	Contents	N·m	lbf·ft	lw	a	b	c	⟷	kg	Code	No.
CD	3/4	20	in plastic box	80-360	60-260	624	30	22.5	717	5 N·m / 5 lbf·ft	2.4	**7688470**	8570-10
CD	3/4	20	in a sheet-metal case	80-360	60-260	624	30	22.5	717	5 N·m / 5 lbf·ft	6.2	**7689280**	8570-20
CD	3/4	20	Set mm 19 22 24 27 30 32 754-04 200 + 400 mm	80-360	60-260	624	30	22.5	717	5 N·m / 5 lbf·ft	11.0	**7689950**	8570-30
CD	3/4	20	Set INCH 7/8 15/16 1" 1.1/8 1.1/4 1.3/8 1.1/2 1.5/8" 754-04 200 + 400 mm	80-360	60-260	624	30	22.5	717	5 N·m / 5 lbf·ft	11.3	**7690530**	8570-40
CDL	3/4	20	in plastic box	80-360	60-260	624	30	22.5	717	5 N·m / 5 lbf·ft	2.4	**7688710**	8575-10
CDL	3/4	20	in a sheet-metal case	80-360	60-260	624	30	22.5	717	5 N·m / 5 lbf·ft	6.2	**7689520**	8575-20
CDL	3/4	20	Set mm 19 22 24 27 30 32 754-04 200 + 400 mm	80-360	60-260	624	30	22.5	717	5 N·m / 5 lbf·ft	11.0	**7690290**	8575-30
CDL	3/4	20	Set INCH 7/8 15/16 1" 1.1/8 1.1/4 1.3/8 1.1/2 1.5/8" 754-04 200 + 400 mm	80-360	60-260	624	30	22.5	717	5 N·m / 5 lbf·ft	11.3	**7691180**	8575-40

TORQUE WRENCH DREMOMETER 110-550 N·m / 80-400 lbf·ft

Use:

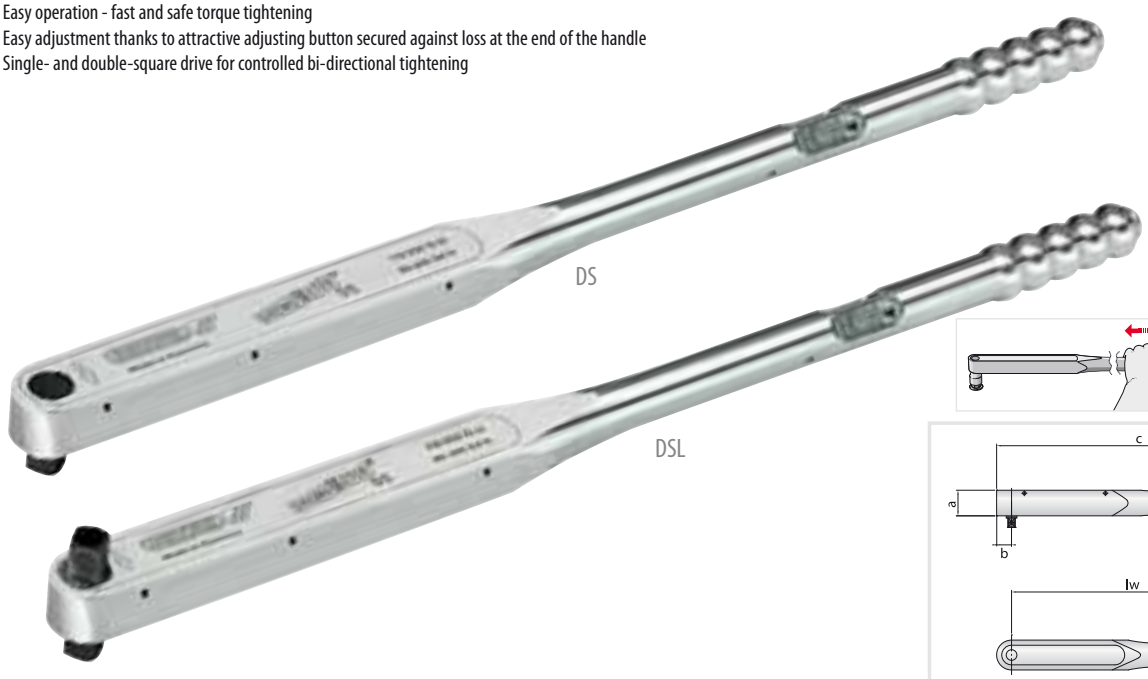
- Controlled screw tightening in the range 110-550 N·m / 80-400 lbf·ft
- For use in almost all industrial manufacturing areas

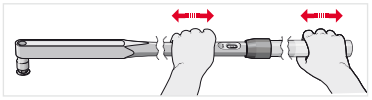
Features:

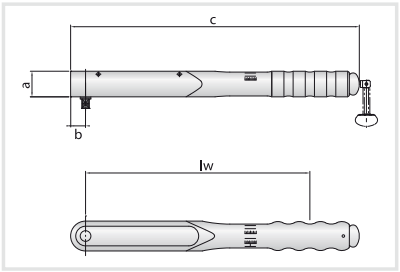
- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- 3/4" square drive with pin-locking mechanism DIN 3120 - B 20, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 10 N·m and 10 lbf·ft

Technical advantage/Function:

- Lightweight and robust (as housing is made of an aluminium alloy), very workshop-friendly
- No inaccuracies whether used with both hands or held away from the handle (as for standard torque wrenches). Both the square drive and fulcrum are on an axis which ensures a high degree of user safety; can be extended to reduce the user's working load.
- Extremely low wear attributable to reduced forces in a unique lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- Single- and double-square drive for controlled bi-directional tightening







Type	■"	■	Contents	N·m	lbf·ft	lw	a	b	c	⟷	kg	Code	No.
DS	3/4	20	in plastic box	110-550	80-400	719	35	22.5	812	10 N·m / 10 lbf·ft	2.9	**1427156**	8574-10
DS	3/4	20	in a sheet-metal case	110-550	80-400	719	35	22.5	812	10 N·m / 10 lbf·ft	6.7	**1436112**	8574-20
DSL	3/4	20	in plastic box	110-550	80-400	719	35	22.5	812	10 N·m / 10 lbf·ft	2.9	**1427121**	8579-10
DSL	3/4	20	in a sheet-metal case	110-550	80-400	719	35	22.5	812	10 N·m / 10 lbf·ft	6.7	**1436120**	8579-20

754 278

920 922 531

TORQUE WRENCH DREMOMETER 140-760 N·m / 100-560 lbf·ft

Use:

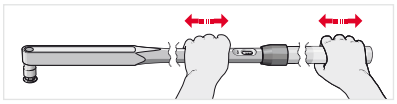
- Controlled screw tightening in the range 140-760 N·m / 100-560 lbf·ft
- For use in almost all industrial manufacturing areas

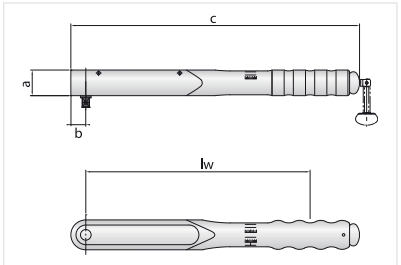
Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- 3/4" square drive with pin-locking mechanism DIN 3120 - B 20, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 10 N·m and 10 lbf·ft

Technical advantage/Function:

- Lightweight and robust (as housing is made of an aluminium alloy), very workshop-friendly
- No inaccuracies whether used with both hands or held away from the handle (as for standard torque wrenches). Both the square drive and fulcrum are on an axis which ensures a high degree of user safety; can be extended to reduce the user's working load.
- Extremely low wear attributable to reduced forces in a unique lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- Single- and double-square drive for controlled bi-directional tightening





Type	■ "	■	Contents	N·m	lbf·ft	lw	a	b	c	⟷	kg	Code	No.
D	3/4	20	in plastic box	140-760	100-560	719	35	22.5	812	10 N·m / 10 lbf·ft	3.2	**7691500**	8563-10
D	3/4	20	in a sheet-metal case	140-760	100-560	719	35	22.5	812	10 N·m / 10 lbf·ft	7.7	**7692070**	8563-20
D	3/4	20	Set mm 22 24 27 30 32 36 41 46 754-04 200 + 400 mm	140-760	100-560	719	35	22.5	812	10 N·m / 10 lbf·ft	13.6	**7692660**	8563-30
D	3/4	20	Set INCH 1" 1.1/8 1.1/4 1.5/16 1.3/8 1.7/16 1.1/2 1.5/8 1.3/4 1.13/16 1.7/8 2" 754-04 200 + 400 mm	140-760	100-560	719	35	22.5	812	10 N·m / 10 lbf·ft	13.3	**7693200**	8563-40
DL	3/4	20	in plastic box	140-760	100-560	719	35	22.5	812	10 N·m / 10 lbf·ft	3.2	**7691850**	8568-10
DL	3/4	20	in a sheet-metal case	140-760	100-560	719	35	22.5	812	10 N·m / 10 lbf·ft	7.7	**7692310**	8568-20
DL	3/4	20	Set mm 22 24 27 30 32 36 41 46 754-04 200 + 400 mm	140-760	100-560	719	35	22.5	812	10 N·m / 10 lbf·ft	13.6	**7692900**	8568-30
DL	3/4	20	Set INCH 1" 1.1/8 1.1/4 1.5/16 1.3/8 1.7/16 1.1/2 1.5/8 1.3/4 1.13/16 1.7/8 2" 754-04 200 + 400 mm	140-760	100-560	719	35	22.5	812	10 N·m / 10 lbf·ft	13.3	**7693550**	8568-40

TORQUE WRENCH DREMOMETER 140-760 N·m / 100-560 lbf·ft

Use:

- Controlled screw tightening in the range 140-760 N·m / 100-560 lbf·ft
- For use in almost all industrial manufacturing areas

Features:

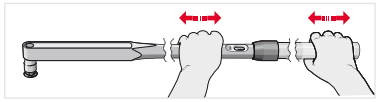
- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- 3/4" square drive with pin-locking mechanism DIN 3120 - B 20, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 10 N·m and 10 lbf·ft

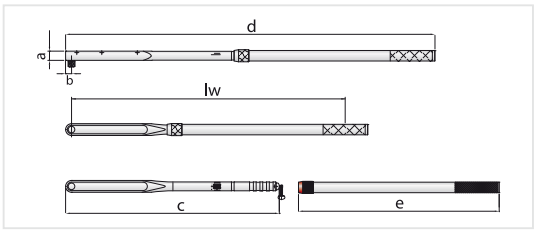
Technical advantage/Function:

- Lightweight and robust (as housing is made of an aluminium alloy), very workshop-friendly
- No inaccuracies whether used with both hands or held away from the handle (as for standard torque wrenches). Both the square drive and fulcrum are on an axis which ensures a high degree of user safety; can be extended to reduce the user's working load.
- Extremely low wear attributable to reduced forces in a unique lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- Single- and double-square drive for controlled bi-directional tightening

DR LKW
8563-35

8563-03





Type	■"	■	Contents	N·m	lbf·ft	lw	a	b	c	d	e	Tube	⟷	kg	Code	No.
DR	3/4	20	in plastic box with extension tube	140-760	100-560	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	5.0	**7670180**	8563-01
DR	3/4	20	in a sheet-metal case with extension tube	140-760	100-560	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	8.8	**7670260**	8563-02
DR	3/4	20	Set mm ○ 22 24 27 30 32 36 41 46 754-04 200 + 400 mm	140-760	100-560	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	14.4	**7670340**	8563-03
DR	3/4	20	Set INCH ○ 1" 1.1/8 1.1/4 1.5/16 1.3/8 1.7/16 1.1/2 1.5/8 1.3/4 1.13/16 1.7/8 2" 754-04 200 + 400 mm	140-760	100-560	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	16.7	**7670420**	8563-04
DRL	3/4	20	in plastic box with extension tube	140-760	100-560	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	5.0	**7670500**	8568-01
DRL	3/4	20	in a sheet-metal case with extension tube	140-760	100-560	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	8.8	**7670690**	8568-02
DRL	3/4	20	Set mm ○ 22 24 27 30 32 36 41 46 754-04 200 + 400 mm	140-760	100-560	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	14.4	**7670770**	8568-03
DRL	3/4	20	Set INCH ○ 1" 1.1/8 1.1/4 1.5/16 1.3/8 1.7/16 1.1/2 1.5/8 1.3/4 1.13/16 1.7/8 2" 754-04 200 + 400 mm	140-760	100-560	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	16.7	**7670850**	8568-04
DR-LKW	3/4	20	Set mm ○ 27 30 32 754-04 400 mm	140-760	100-560	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	12.3	**7670930**	8568-35

TORQUE WRENCH DREMOMETER 520-1000 N·m / 380-730 lbf·ft

Use:

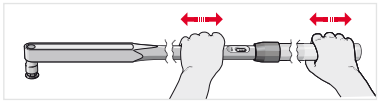
- Controlled screw tightening in the range 520-1000 N·m / 380-730 lbf·ft
- For use in almost all industrial manufacturing areas

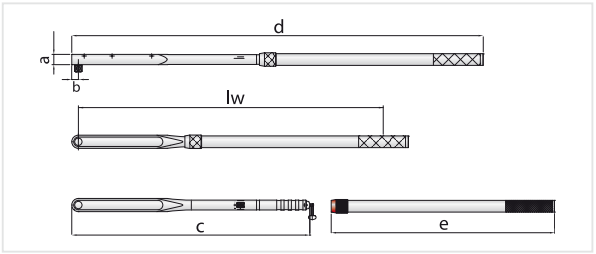
Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- 3/4" square drive with pin-locking mechanism DIN 3120 - B 20, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with a scale graduation of 10 N·m and 10 lbf·ft

Technical advantage/Function:

- Lightweight and robust (as housing is made of an aluminium alloy), very workshop-friendly
- No inaccuracies whether used with both hands or held away from the handle (as for standard torque wrenches). Both the square drive and fulcrum are on an axis which ensures a high degree of user safety; can be extended to reduce the user's working load.
- Extremely low wear attributable to reduced forces in a unique lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- Single- and double-square drive for controlled bi-directional tightening





Type	■ "	■	Contents	N·m	lbf·ft	lw	a	b	c	d	e	Tube	⟷	kg	Code	No.
DX	3/4	20	in plastic box with extension tube	520-1000	380-730	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	5.6	**7694010**	8571-01
DX	3/4	20	in a sheet-metal case with extension tube	520-1000	380-730	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	10.0	**7694520**	8571-02
DX	3/4	20	Set mm 30 32 36 41 46 50 754-04 200 + 400 mmm	520-1000	380-730	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	16.8	**7694870**	8571-03
DX	3/4	20	Set INCH 1.1/8 1.1/4 1.3/8 1.1/2 1.3/4 1.7/8" 754-04 200 + 400 mm	520-1000	380-730	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	16.0	**7695170**	8571-04
DXL	3/4	20	in plastic box with extension tube	520-1000	380-730	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	5.6	**7694360**	8576-01
DXL	3/4	20	in a sheet-metal case with extension tube	520-1000	380-730	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	10.0	**7694600**	8576-02
DXL	3/4	20	Set mm 30 32 36 41 46 50 754-04 200 + 400 mm	520-1000	380-730	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	16.8	**7694950**	8576-03
DXL	3/4	20	Set INCH 1.1/8 1.1/4 1.3/8 1.1/2 1.3/4 1.7/8" 754-04 200 + 400 mm	520-1000	380-730	1297	35	22.5	812	1413	762	8571-80	10 N·m / 10 lbf·ft	16.0	**7695330**	8576-04

TORQUE WRENCH DREMOMETER 600-1500 N·m

25 1"

Use:

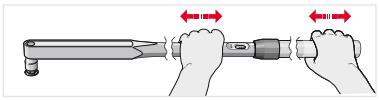
- Controlled screw tightening in the range 600-1500 N·m
- For use in almost all industrial manufacturing areas

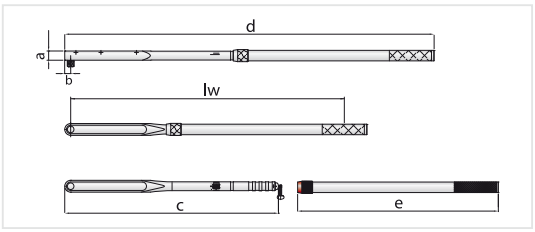
Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- 1" square drive with pin-locking mechanism DIN 3120 - B25, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Single scale with a scale graduation of 25 N·m

Technical advantage/Function:

- Lightweight and robust (as housing is made of an aluminium alloy), very workshop-friendly
- No inaccuracies whether used with both hands or held away from the handle (as for standard torque wrenches). Both the square drive and fulcrum are on an axis which ensures a high degree of user safety; can be extended to reduce the user's working load.
- Extremely low wear attributable to reduced forces in a unique lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- Single- and double-square drive for controlled bi-directional tightening





Type	■"	■	Contents	N·m	lw	a	b	c	d	e	Tube		kg	Code	No.
EK	1	25	with 1 extension tube	600-1500	1473	40	30.0	932	1608	925	8564-92	25 N·m	10.8	**2311267**	8581-01
EK	1	25	in sheet-metal case with 1 extension tube	600-1500	1473	40	30.0	932	1608	925	8564-92	25 N·m	24.3	**2311275**	8581-02
EK	1	25	Set mm 36 41 46 50 55 60 65 70 754-06 200 + 400 mm	600-1500	1473	40	30.0	932	1608	925	8564-92	25 N·m	42.4	**2311283**	8581-03
EKL	1	25	with 1 extension tube	600-1500	1473	40	30.0	932	1608	925	8564-92	25 N·m	10.8	**2311291**	8586-01
EKL	1	25	in sheet-metal case with 1 extension tube	600-1500	1473	40	30.0	932	1608	925	8564-92	25 N·m	24.3	**2311305**	8586-02
EKL	1	25	Set mm 36 41 46 50 55 60 65 70 754-06 200 + 400 mm	600-1500	1473	40	30.0	932	1608	925	8564-92	25 N·m	42.4	**2311313**	8586-03

TORQUE WRENCH DREMOMETER 750-2000 N·m

Use:

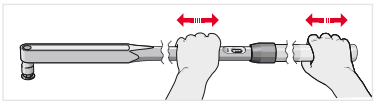
- Controlled screw tightening in the range 750-2000 N·m
- For use in almost all industrial manufacturing areas

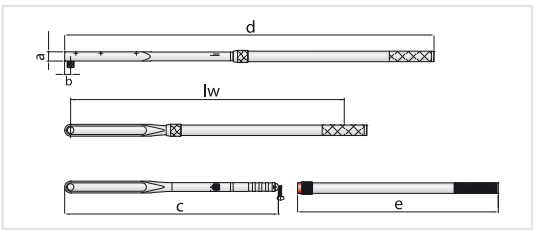
Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- 1" square drive with pin-locking mechanism DIN 3120 - B25, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Single scale with a scale graduation of 50 N·m

Technical advantage/Function:

- Lightweight and robust (as housing is made of an aluminium alloy), very workshop-friendly
- No inaccuracies whether used with both hands or held away from the handle (as for standard torque wrenches). Both the square drive and fulcrum are on an axis which ensures a high degree of user safety; can be extended to reduce the user's working load.
- Extremely low wear attributable to reduced forces in a unique lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- Single- and double-square drive for controlled bi-directional tightening





Type	■ "	■	Contents	N·m	lw	a	b	c	d	e	f	Tube		Code	No.
E	1	25	with 2 extension tubes	750-2000	2218	40	30.0	932	2353	925	745	8564-92 / 8572-74	50 N·m	11.6 **7695250**	8564-01
E	1	25	in sheet-metal case with 2 extension tubes	750-2000	2218	40	30.0	932	2353	925	745	8564-92 / 8572-74	50 N·m	24.3 **7695680**	8564-02
E	1	25	Set mm 36 41 46 50 55 60 65 70 754-06 200 + 400 mm	750-2000	2218	40	30.0	932	2353	925	745	8564-92 / 8572-74	50 N·m	42.4 **7696060**	8564-03
EL	1	25	with 2 extension tubes	750-2000	2218	40	30.0	932	2353	925	745	8564-92 / 8572-74	50 N·m	11.6 **7695410**	8569-01
EL	1	25	in sheet-metal case with 2 extension tubes	750-2000	2218	40	30.0	932	2353	925	745	8564-92 / 8572-74	50 N·m	24.3 **7695840**	8569-02
EL	1	25	Set mm 36 41 46 50 55 60 65 70 754-06 200 + 400 mm	750-2000	2218	40	30.0	932	2353	925	745	8564-92 / 8572-74	50 N·m	42.4 **7696140**	8569-03

8572 F

TORQUE WRENCH DREMOMETER 1500-3000 N·m

Use:

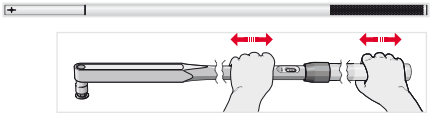
- Controlled screw tightening in the range 1500-3000 N·m
- For use in almost all industrial manufacturing areas

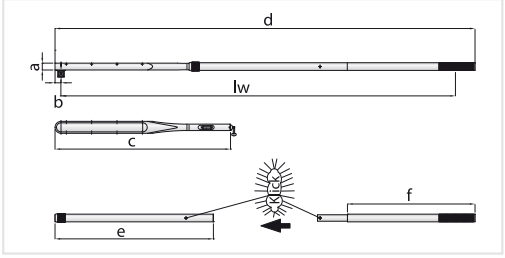
Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- 1.1/2" square drive with pin-locking mechanism DIN 3121 - F 40, ISO 1174
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with scale graduation 50 N·m

Technical advantage/Function:

- Lightweight and robust (as housing is made of an aluminium alloy), very workshop-friendly
- No inaccuracies whether used with both hands or held away from the handle (as for standard torque wrenches). Both the square drive and fulcrum are on an axis which ensures a high degree of user safety; can be extended to reduce the user's working load.
- Extremely low wear attributable to reduced forces in a unique lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- Single- and double-square drive for controlled bi-directional tightening





Type	■"	■	Contents	N·m	lw	a	b	c	d	e	f	Tube		Code	No.
F	1.1/2	40	with 2 extension tubes	1500-3000	2313	40	35.0	1025	2453	925	745	8564-92 / 8572-74	50 N·m	13.2 **7717160**	8572-01
F	1.1/2	40	in sheet-metal case with 2 extension tubes	1500-3000	2313	40	35.0	1025	2453	925	745	8564-92 / 8572-74	50 N·m	24.0 **7717240**	8572-02

754

RATCHET HEAD DREMOMETER

Use:

- Enables controlled torque tightening in combination with a DREMOMETER torque wrench (Type MINI - E)

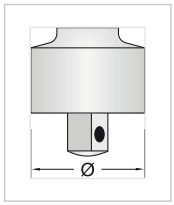
Features:

- Fine-pitched, sturdy ratchet head
- With 1/4", 3/8", 1/2", 3/4" or 1" output square drive
- Clockwise models (no. 754-00 to -06)
- Anti-clockwise models (no. 754-11 to -16)
- Made of chrome-vanadium steel

Scope of delivery:

- Ratchet head
- Single packed in poly-bag

6,3 1/4" · 10 3/8" · 12,5 1/2" · 20 3/4" · 25 1"



- Max. continuous load of ratchet according to DIN EN ISO 6789:2003 and/or maximum load of cavity

□" ■"	H	∅ mm	∠°	Use	Execution	kg	Code	No.
1/4 1/4	21	24	18,0	MINI, AM	clockwise	0.054	**7680490**	754-00
3/8 3/8	28	35	20,0	A	clockwise	0.150	**7680570**	754-01
1/2 1/2	35	46	7,5	B, BC, C	clockwise	0.350	**7680650**	754-02
3/4 3/4	53	65	10,0	CD, DS, D, DR, DX	clockwise	1.000	**7680730**	754-04
1 1	63	73	10,0	E / EK	clockwise	1.800	**7680810**	754-06
3/8 3/8	28	35	20,0	AL	counter-clockwise	0.150	**7686770**	754-11
1/2 1/2	35	46	7,5	BL, BCL, CL	counter-clockwise	0.350	**7686850**	754-12
3/4 3/4	53	65	10,0	CDL, DSL, DL, DRL, DXL	counter-clockwise	1.000	**7686930**	754-14
1 1	63	73	10,0	EL / EKL	counter-clockwise	1.800	**7687150**	754-16

No.	Continuous load
754-00	1/4" = 30 N·m
754-01	3/8" = 135 N·m
754-02	1/2" = 340 N·m
754-04	3/4" = 1000 N·m
754-06	1" = 2000 N·m
754-11	3/8" = 135 N·m
754-12	1/2" = 340 N·m
754-14	3/4" = 1000 N·m
754-16	1" = 2000 N·m

EXTENSION TUBES FOR DREMOMETER DR - F

Use:

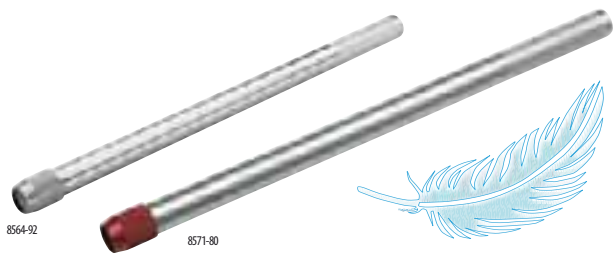
- Spare extension tube for torque wrench series DREMOMETER DR - F and DXZ
- To enable high torque values by means of extending the lever arm

Features:

- Guarantees proof connection to the DREMOMETER
- Ideal for extending the lever arm
- Extension tubes 8572-74 / 8564-92 made from high-grade, galvanised steel
- Extension tube 8571-80 made from high-grade aluminium with anodised locknuts – extremely lightweight

Scope of delivery:

- Extension tube
- Single packed in poly-bag



Description	mm	kg	Code	No.
Extension tube for DREMOMETER E/F	745	3.6	**7622020**	8572-74
Extension tube ALU for DREMOMETER DX/DR	762	0.8	**1686313**	8571-80
Extension tube for DREMOMETER E/EK/F	925	3.4	**7621720**	8564-92

Ratchet heads DREMOMETER 754

Ratchet head no. 754 can only be used in combination with the DREMOMETER (*). Please note the right direction of rotation by the ratchet head when ordering. There are separate models for clockwise or counter-clockwise rotation. Ratchet head nos. 754-11 to 754-16 (counter-clockwise) can only be used with the DREMOMETER with double square drive.

(*) not applicable to DREMOMETER 8573-10 BCK with integrated ratchet

30 · D 30 190

753

TORQUE WRENCH DREMOMETER MINI 2-12 N·m / 18-106 lbf·in

Use:

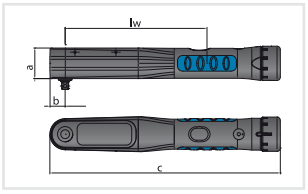
- Controlled screw tightening in the range 2-12 N·m / 18-106 lbf·in
- For use in almost all industrial manufacturing areas

Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3% tolerance of scale set torque. The specification of the standard (+/- 4%) is exceeded.
- Torque wrench with 1/4" square drive with ball locking device DIN 3120 - A 6.3, similar to ISO 1174, for controlled clockwise tightening
- Automatic short-path actuation with tactile impulse and audible signal
- Lightweight plastic casing, made from high-grade, glass-fibre reinforced polyamide, with soft-grip handle
- Dual scale with a scale graduation of 0.5 N·m and 5 lbf·in
- Additional micrometre scale for setting interim values with N·m, graduations of 0.05 N·m
- Window with a magnifying-glass effect
- Locking button enables reliable locking of the torque setting

Scope of delivery:

- Torque wrench type MINI
- With certificate acc. to DIN EN ISO 6789:2003, traceable via in-house DAkkS laboratory to national standards



Type	■"	■	Contents	N·m	lbf·in	lw	a	b	c	⟷	kg	Code	No.
MINI	1/4	6.3	in plastic box	2-12	18-106	130	28	14	211	0,5 N·m / 5 lbf·in + 0,05 N·m	0.320	**1957694**	753-11
MINI	1/4	6.3	in plastic cassette	2-12	18-106	130	28	14	211	0,5 N·m / 5 lbf·in + 0,05 N·m	0.628	**1957708**	753-12
MINI	1/4	6.3	Set mm 4 5 5,5 6 7 8 9 10 1 2 3 4 5.5 6.5 3 4 5 6 T20 T27 T30 754-00 55 + 97 mm 2098	2-12	18-106	130	28	14	211	0,5 N·m / 5 lbf·in + 0,05 N·m	0.968	**1957724**	753-13
MINI	1/4	6.3	Set INCH 3/16 7/32 1/4 9/32 5/16 11/32 3/8 7/16" 1 2 3 4 5.5 6.5 3 4 5 6 T20 T27 T30 754-00 55 + 97 mm 2098	2-12	18-106	130	28	14	211	0,5 N·m / 5 lbf·in + 0,05 N·m	0.968	**1957732**	753-14

763

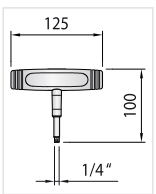
TORQUE WRENCH DREMOMETER T-FS pre-set, 1-14 N·m

Use:

- Power-saving application for torques which are usually in the range of torque screwdrivers
- E.g. securing modules on solar power systems, tool supports etc.; wherever the torques are too large for classic torque screwdrivers

Features:

- Torque wrench series with 14 pre-set models for serial production
- For controlled clockwise tightening
- Working accuracy in accordance with DIN EN ISO 6789:2003 Type II Class E (+/- 6 %)
- Lightweight and robust - housing made of a high-quality aluminium alloy
- With certificate acc. to DIN EN ISO 6789:2003, traceable via in-house DAkkS laboratory to national standards
- Special ranges are available on request



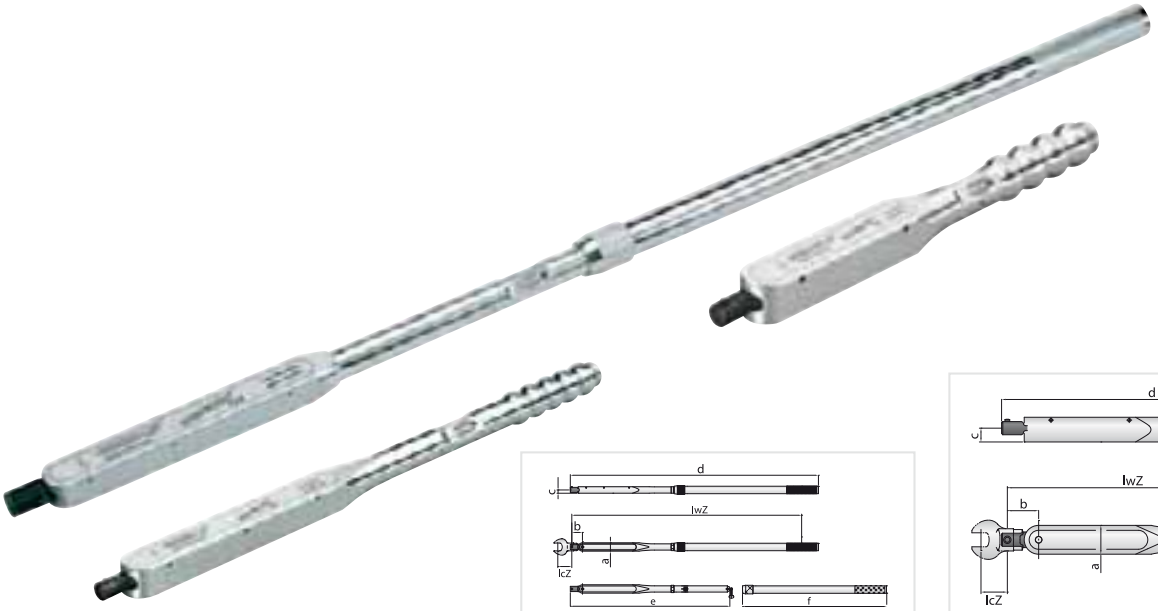
■"	■	pre-set value	kg	Code	No.
1/4	6.3	1 N·m	0.241	**1947907**	763-01
1/4	6.3	2 N·m	0.241	**1947915**	763-02
1/4	6.3	3 N·m	0.241	**1947923**	763-03
1/4	6.3	4 N·m	0.241	**1947931**	763-04
1/4	6.3	5 N·m	0.241	**1947958**	763-05
1/4	6.3	6 N·m	0.241	**1947966**	763-06
1/4	6.3	7 N·m	0.241	**1947974**	763-07

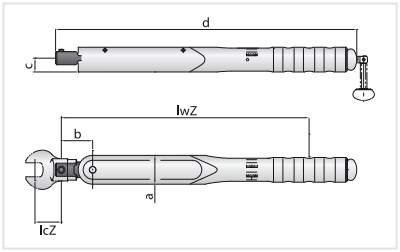
■"	■	pre-set value	kg	Code	No.
1/4	6.3	8 N·m	0.241	**1947990**	763-08
1/4	6.3	9 N·m	0.241	**1948008**	763-09
1/4	6.3	10 N·m	0.241	**1948016**	763-10
1/4	6.3	11 N·m	0.241	**1948024**	763-11
1/4	6.3	12 N·m	0.241	**1948032**	763-12
1/4	6.3	13 N·m	0.241	**1948040**	763-13
1/4	6.3	14 N·m	0.241	**1948059**	763-14

8460 Z - 8471 Z

TORQUE WRENCH DREMOMETER Z WITH QUICK-FITTING CHANGE 8-1000 N·m / 70 lbf·in - 730 lbf·ft

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- Lightweight yet robust (as the housing is made of an aluminium alloy) and resilient, very workshop-friendly
- Depending on the application, access is possible from the front (e.g. open-end fitting) or side (e.g. reversible ratchet and socket)
- Force to be applied in the middle of the handgrip only - do not use an extension tube as otherwise, inaccuracies can evolve (except for model DXZ where the DREMOMETER has been calibrated and adjusted using the extension tube)
- Operation only with end fittings with standardised depth gauges, otherwise inaccuracies can arise. Keep the depth gauges on the certificate in mind. Only use original GEDORE accessories.
- Large drive cross-section transfers maximum torques
- Extremely low wear attributable to reduced forces in the lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- With certificate acc. to DIN EN ISO 6789, traceable via in-house DAkkS laboratory to national standards



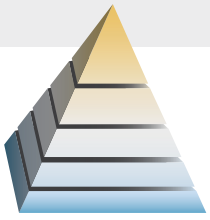


Type	Ø	N·m	lbf·in	lbf·ft		lwZ	lcZ	a	b	c	d	kg	Code	No.
AZ	16	8-40	70-350	–	5 N·m / 50 lbf·in	301	32	35	38	17	366	1.000	**7703610**	8460-01
BZ	16	20-120	–	15-90	5 N·m / 5 lbf·ft	412	32	35	38	17	490	1.450	**7704260**	8461-01
CZ	16	50-400	–	35-300	5 N·m / 5 lbf·ft	567	32	35	38	17	645	2.000	**7704340**	8462-01
DZ	22	140-620	–	105-450	10 N·m / 10 lbf·ft	768	56	45	49	18	846	3.000	**7703020**	8463-10
DXZ	28	520-1000	–	380-730	10 N·m / 10 lbf·ft	1231	75	45	57	18	1329	5.500	**1251341**	8471-01

Technical information Z

- The large cross-section of the spigot end transfers a maximum torque. "Quick-fitting-change-system" with a locking pin mechanism guarantees that work takes place flexibly and rapidly.
- Ideal for bolted connections in cramped and hard-to-access locations. Depending on how the torque wrench Z is used, it is possible to work both in the forward direction and also to the side. For anti-clockwise tightening, simply turn the torque wrench through 180°

OUR ALL-ROUND SERVICE - QUALIFIED AND CUSTOMISED 622 - 629



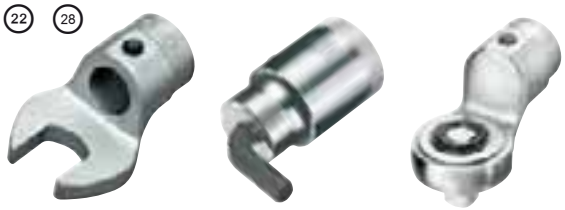
DAkkS

7460 Z - 7471 Z 283

A+S

8791 - 8798 312 - 315

16 22 28



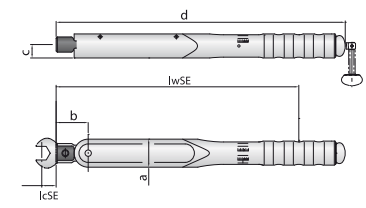
DREMOMETER SE

8480 SE - 8482 SE

TORQUE WRENCH DREMOMETER SE WITH QUICK-FITTING CHANGE 8-400 N·m / 70 lbf·in - 300 lbf·ft

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3% tolerance of scale set torque. The specification of the standard (+/- 4%) is exceeded.
- Lightweight yet robust (as the housing is made of an aluminium alloy) and resilient, very workshop-friendly
- Drive offers extensive range of accessories
- Depending on the application, access is possible from the front (e.g. rectangular open-end fitting) or side (e.g. reversible ratchet and socket)
- Force to be applied in the middle of the handgrip only - do not use an extension tube as otherwise, inaccuracies can arise
- Operation only with end fittings otherwise inaccuracies can arise. Keep the depth gauges on the certificate in mind. Only use original GEDORE accessories.
- Extremely low wear attributable to reduced forces in the lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Easy adjustment thanks to attractive adjusting button secured against loss at the end of the handle
- With certificate acc. to DIN EN ISO 6789, traceable via in-house DAkkS laboratory to national standards

9×12
14×18
± 3 %



Type	□ mm	N·m	lbf·in	lbf·ft	⌇⌇	lwSE	lcSE	a	b	c	d	kg	Code	No.
A-SE	9 x 12	8-40	70-350	–	5 N·m / 50 lbf·in	303	17.5	35	40	17	361	0.950	**7714060**	8480-01
B-SE	9 x 12	20-120	–	15-90	5 N·m / 5 lbf·ft	414	17.5	35	40	17	485	1.250	**7714140**	8481-01
C-SE	14 x 18	50-400	–	35-300	5 N·m / 5 lbf·ft	582	25.0	35	53	17	653	1.700	**7714220**	8482-01

Technical information – Quick-fitting change

Quick-fitting tool change system with pin locking guarantees flexible and swift working methods. Ideal for installations in confined and poorly accessible spaces. Depending on the application for the DREMOMETER SE, access is possible from the front and side.

- On request, all torque wrenches can be factory pre-set – at extra charge –
- When ordering, please specify the N·m value

7480 SE - 7482 SE 283

9×12 14×18

A+S

7112 - 7918 316 - 318

9×12 14×18

DREMOMETER A+S

7554 AM - 7572 F

TORQUE WRENCH DREMOMETER A+S with pre-set value locking and safety device

Technical advantage/function:

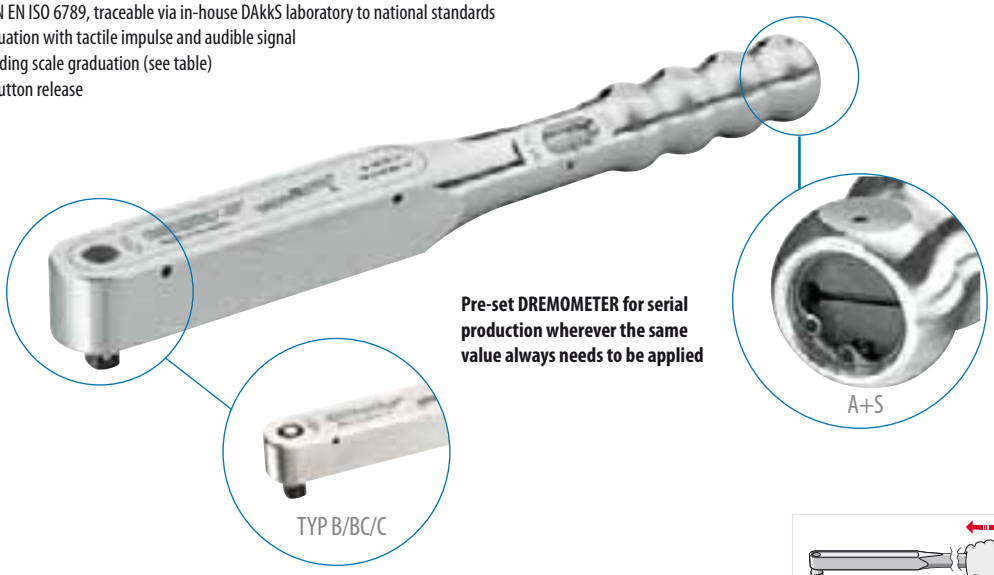
- **Pre-set value locking and safety device (A+S) eliminates the possibility of unintentional or manipulated adjustment, thereby representing more process reliability of the user**
- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- Lightweight and robust (as housing is made of an aluminium alloy), very workshop-friendly
- No inaccuracies whether used with both hands or held away from the handle (as for standard torque wrenches). Both the square drive and fulcrum are on an axis which ensures a high degree of user safety; can be extended to reduce the user's working load.
- Extremely low wear attributable to reduced forces in a unique lever mechanism
- Forged lever chain from our own quality forge
- Maximum precision even when subjected to extreme continuous use
- Long life cycles and tool lives
- Easy operation - fast and safe torque tightening
- Single- and double-square drive for controlled bi-directional tightening

Use:

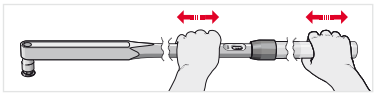
- Controlled screw tightening in the range 6 - 3000 N·m
- For use in almost all industrial manufacturing areas

Features:

- With certificate acc. to DIN EN ISO 6789, traceable via in-house DAkkS laboratory to national standards
- Automatic short-path actuation with tactile impulse and audible signal
- Dual scale with corresponding scale graduation (see table)
- Type B, BC, C with push-button release



Pre-set DREMOMETER for serial production wherever the same value always needs to be applied



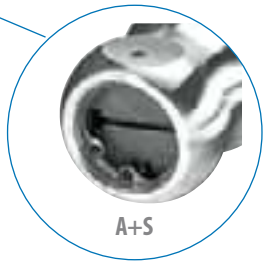
Type	■"	■	N·m	lbf·in	lbf·ft	⎍	lw	a	b	c	d	e	f	kg	Code	No.
AM A+S	1/4	6.3	6-30	50-270	–	1 N·m / 10 lbf·in	207	30	15.0	268	–	–	–	0.580	**1210891**	7554-01
AML A+S	1/4	6.3	6-30	50-270	–	1 N·m / 10 lbf·in	207	30	15.0	268	–	–	–	0.580	**1210904**	7559-01
A A+S	3/8	10.0	8-40	70-350	–	5 N·m / 50 lbf·in	263	30	17.5	338	–	–	–	1.000	**7708920**	7560-01
AL A+S	3/8	10.0	8-40	70-350	–	5 N·m / 50 lbf·in	263	30	17.5	338	–	–	–	1.000	**1210939**	7565-01
B A+S	1/2	12.5	20-120	–	15-90	5 N·m / 5 lbf·ft	374	30	17.5	462	–	–	–	1.500	**7709060**	7561-01
BL A+S	1/2	12.5	20-120	–	15-90	5 N·m / 5 lbf·ft	374	30	17.5	462	–	–	–	1.500	**1210947**	7566-01
BC A+S	1/2	12.5	40-200	–	30-150	5 N·m / 5 lbf·ft	463	30	17.5	551	–	–	–	1.400	**1211013**	7573-00
BCL A+S	1/2	12.5	40-200	–	30-150	5 N·m / 5 lbf·ft	463	30	17.5	551	–	–	–	1.300	**1427113**	7578-00
C A+S	1/2	12.5	50-300	–	35-220	5 N·m / 5 lbf·ft	529	30	17.5	617	–	–	–	2.000	**7709650**	7562-10
CL A+S	1/2	12.5	50-300	–	35-220	5 N·m / 5 lbf·ft	529	30	17.5	617	–	–	–	2.000	**1210955**	7567-10
CD A+S	3/4	20.0	80-360	–	60-260	5 N·m / 5 lbf·ft	624	30	22.5	717	–	–	–	2.400	**1210998**	7570-10
CDL A+S	3/4	20.0	80-360	–	60-260	5 N·m / 5 lbf·ft	624	30	22.5	717	–	–	–	2.400	**1211021**	7575-10
DS A+S	3/4	20.0	110-550	–	80-400	10 N·m / 10 lbf·ft	719	35	22.5	812	–	–	–	2.900	**1427164**	7574-10
DSL A+S	3/4	20.0	110-550	–	80-400	10 N·m / 10 lbf·ft	719	35	22.5	812	–	–	–	2.900	**1427148**	7579-10
D A+S	3/4	20.0	140-760	–	100-560	10 N·m / 10 lbf·ft	719	35	22.5	812	–	–	–	3.200	**1210921**	7563-10
DL A+S	3/4	20.0	140-760	–	100-560	10 N·m / 10 lbf·ft	719	35	22.5	812	–	–	–	3.200	**1210971**	7568-10
DR A+S	3/4	20.0	140-760	–	100-560	10 N·m / 10 lbf·ft	1297	35	22.5	812	1413	762	–	5.000	**1210912**	7563-01
DRL A+S	3/4	20.0	140-760	–	100-560	10 N·m / 10 lbf·ft	1297	35	22.5	812	1413	762	–	5.000	**1210963**	7568-01
DX A+S	3/4	20.0	520-1000	–	380-730	10 N·m / 10 lbf·ft	1297	35	22.5	812	1413	762	–	5.600	**1211005**	7571-01
DXL A+S	3/4	20.0	520-1000	–	380-730	10 N·m / 10 lbf·ft	1297	35	22.5	812	1413	762	–	5.600	**1211048**	7576-01
EK A+S	1	25.0	600-1500	–	–	25 N·m	1473	40	30.0	932	1608	925	–	10.800	**2311321**	7581-01
EKL A+S	1	25.0	600-1500	–	–	25 N·m	1473	40	30.0	932	1608	925	–	10.800	**2311348**	7586-01
E A+S	1	25.0	750-2000	–	–	50 N·m	2218	40	30.0	932	2353	925	745	11.600	**1547232**	7564-01
EL A+S	1	25.0	750-2000	–	–	50 N·m	2218	40	30.0	932	2353	925	745	11.600	**1547240**	7569-01
F A+S	1.1/2	40.0	1500-3000	–	–	50 N·m	2313	40	35.0	1025	2453	925	745	13.200	**1547259**	7572-01

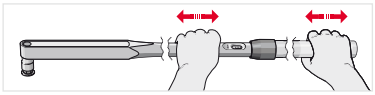
7460 Z - 7471 Z

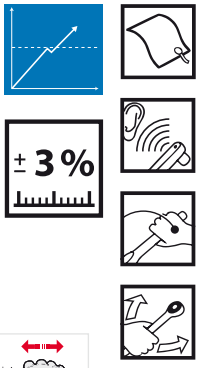
TORQUE WRENCH DREMOMETER Z A+S with pre-set value locking and safety device

16 22 28

Pre-set DREMOMETER for serial production wherever the same value always needs to be applied







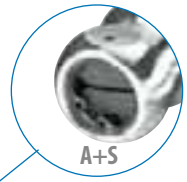
Type	Ø	N·m	lbf·in	lbf·ft	⌇⌇⌇	lwZ	lcZ	a	b	c	d	kg	Code	No.
AZ A+S	16	8-40	70-350	–	5 N·m / 50 lbf·in	301	32	35	38	17	355	1.000	**1427067**	7460-01
BZ A+S	16	20-120	–	15-90	5 N·m / 5 lbf·ft	412	32	35	38	17	479	1.450	**1427075**	7461-01
CZ A+S	16	50-400	–	35-300	5 N·m / 5 lbf·ft	567	32	35	38	17	634	2.000	**1225669**	7462-01
DZ A+S	22	140-620	–	105-450	10 N·m / 10 lbf·ft	768	56	45	49	18	835	3.000	**1427083**	7463-10
DXZ A+S	28	520-1000	–	380-730	10 N·m / 10 lbf·ft	1231	75	45	57	18	1329	5.500	**1521977**	7471-01

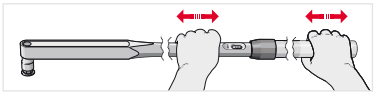
7480 SE - 7482 SE

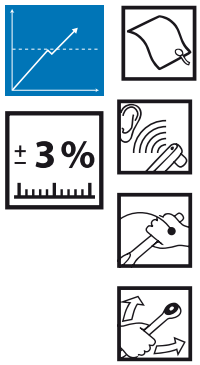
TORQUE WRENCH DREMOMETER SE A+S with pre-set value locking and safety device

9x12 14x18

Pre-set DREMOMETER for serial production wherever the same value always needs to be applied



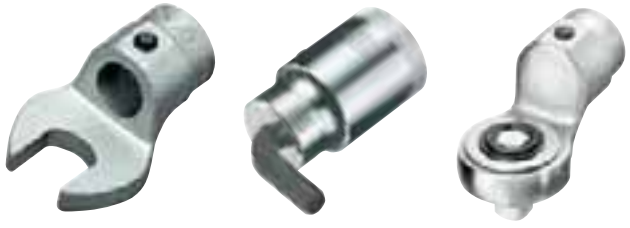




Type	□ mm	N·m	lbf·in	lbf·ft	⌇⌇⌇	lwSE	lcSE	a	b	c	d	kg	Code	No.
A-SE A+S	9 x 12	8-40	70-350	–	5 N·m / 50 lbf·in	303	17.5	35	40	17	350	0.950	**1427059**	7480-01
B-SE A+S	9 x 12	20-120	–	15-90	5 N·m / 5 lbf·ft	414	17.5	35	40	17	474	1.250	**1427091**	7481-01
C-SE A+S	14 x 18	50-400	–	35-300	5 N·m / 5 lbf·ft	582	25.0	35	53	17	641	1.700	**1427105**	7482-01

8791 - 8798 312 - 315

16 22 28



7112 - 7918 316 - 318

9x12 14x18

DREMASTER® DMK

Robust torque wrench with square drive and integrated ratchet-head function for controlled bi-directional tightening and interchangeable mushroom head with push-button release

Chrome-plated ratchet head: All 1/2" square drives of the DREMASTER® DMK-series have a black plastic cap - also referred to as a mushroom head.
This mushroom head prevents an unintentional pulling out of the whole square drive when changing the nut socket.

Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate allowing for operations to be traced back. Calibrated to a permitted +/- 3 % deviation and better. The specifications of the standard (+/- 4 %) are exceeded.

Robust steel tube: With high corrosion protection, chrome-plated, silk-metal.

Automatic actuation: The DREMASTER® DMK actuates with a clear tactile impulse and audible signal and is immediately ready for operation again.

EISEN 2012
INNOVATION-AWARD
WINNER

Features Anti-loss attachment

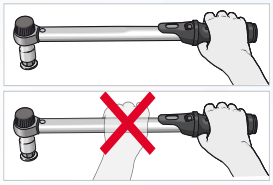
Function

In order to change the turning direction of the DREMASTER® DMK:
Press on the push-button with your thumb and take out the mushroom head, turn the wrench and re-insert the square drive.

All the benefits at a single glance

- Additional protection of the serial number
- Concealed setting drill hole
- Engaging adjusting button with locking reference (lock symbol)
- Rapid adjustment provision using a separate hexagon allen key
- Mushroom head with release button and soft component
- Plastic grip with soft component
- Dual scale (main unit with vernier)
- At all times only one unit in the viewing area (N·m or lbf·ft)
- Change-over switch for selecting the unit
- Controlled safety via in-house DAkkS test laboratory

Additional protection of the serial number.
Concealed setting drill hole = secured adjusting/setting system
Serial number on the wrench and on the certificate for unambiguous product identification, traceable via in-house DAkkS laboratory to national standards



Handgrip with a user aid: Grey plastic handgrip, new ergonomically enhanced shape, with an indentation in the middle of the handgrip.
User aid and reference points for calibration.

Nonius: Model-dependent intervals of 1 or 0.5 N·m allow very accurate settings.

Dual scale with main and alternative unit (N·m/lbf·ft).
Main unit N·m with vernier.
At all times only one unit in the viewing area = avoids any reading errors.
Change-over switch next to the scale for straightforward unit selection.

Ligthweight and reliable: Locking button enables reliable locking of the torque setting.
"Torque adjustable" reference by means of opened lock symbol.
Provision for rapid setting from the separate hexagon allen key fixture.

DREMASTER® DMUK

Torque wrench with square drive and integrated ratchet-function for controlled clockwise tightening

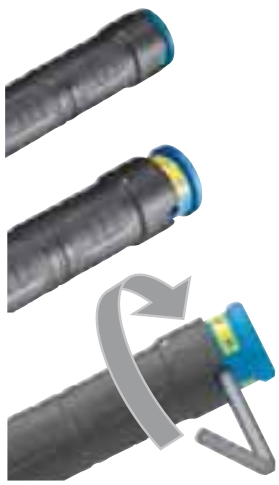
Robust tubular steel: with high corrosion protection, satin chrome-plated, chrome-plated ratchet

With 1/2" square drive and integrated lever-change reversible ratchet function for controlled clockwise tightening

Operation

For the DREMASTER® DMUK:
Switch the lever of the reversible ratchet to correspond with the desired direction, clockwise or anti-clockwise.

Features



DMK ½ - ¾
20-850 N·m

DMUK ½
20-300 N·m

DMZ 16 22
20-850 N·m

DMSE 9×12 14×18
20-400 N·m

TORCOFIX ¼ - ⅜
1 - 50 N·m

291

TORQUE WRENCH DREMASTER® K / UK 20-850 N·m / 15 - 630 lbf·ft

Use:

- Controlled screw tightening in the most common range of 20 - 850 N·m / 15 - 630 lbf·ft (guide for screws M7-10.9 to M24-8.8, M30-5.6)
- Adjustable, releasing and sturdy tubular torque wrench with integrated ratchet and with square drive for industry and the trades

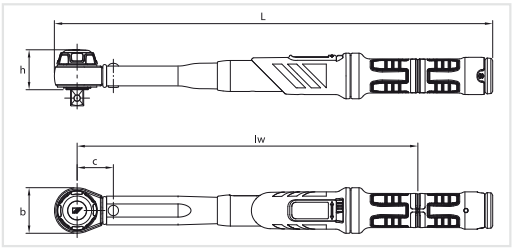
Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate allowing for operations to be traced back. Calibrated to a permitted +/- 3 % deviation and better. The specifications of the standard (+/- 4 %) are exceeded.
- For controlled bi-directional tightening. DMUK only for controlled clockwise-tightening
- Models DMK: 1/2" mushroom head interchangeable square with push-button releasing and a ball-locking mechanism. From Model No. DMK 400 with 3/4" push-through square and a pin-locking mechanism
- Models DMUK: With 1/2" reversible ratchet
- Sturdy, satin chrome-plated tubular steel construction, with chrome-plated ratchet head and top-grade plastic parts
- Ergonomically shaped, 2-component plastic grip with calibration aid
- Change-over between N·m main scale and lbf·ft ancillary scale to avoid reading errors when setting the torque wanted
- With micrometre scale for main N·m scale for setting interim values
- Release system triggers a tactile and audible signal
- Ergonomic system for torque adjustment with reference symbol
- Provision for rapid setting with hexagon allen key, not included
- Secured adjusting/setting system
- Patent applied

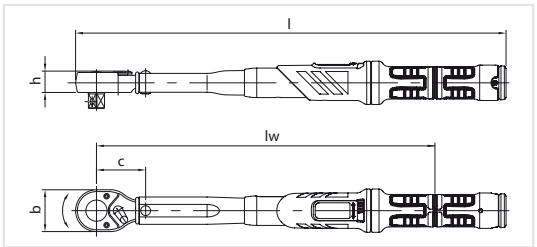
12,5 | 1/2" | 20 | 3/4"

± 3 %

EISEN 2012
INNOVATION-AWARD
WINNER

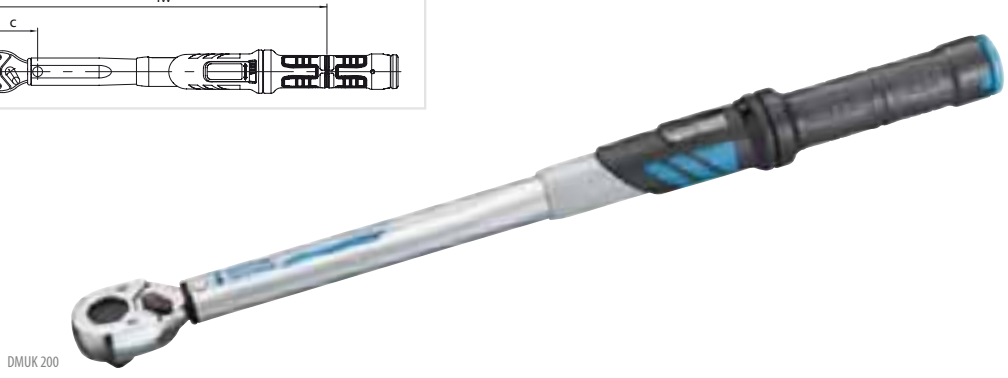


■"	■	N·m	lbf·ft	⏦	scale ring	L	lw	c	h	b	kg	Code	No.
1/2	12.5	20-100	15-75	5 N·m	0,5 N·m	423.5	329.2	35	38.4	44	1.100	**2641232**	DMK 100
1/2	12.5	40-200	30-150	10 N·m	1 N·m	514.5	420.2	35	38.4	44	1.300	**2641240**	DMK 200
1/2	12.5	60-300	45-220	10 N·m	1 N·m	606.5	511.2	35	38.4	46	1.500	**2641259**	DMK 300
3/4	20.0	80-400	60-300	10 N·m	1 N·m	715.5	609.2	46	31.0	67	2.400	**2641267**	DMK 400
3/4	20.0	110-550	80-405	10 N·m	1 N·m	953.5	846.7	52	31.0	69	3.800	**2641275**	DMK 550
3/4	20.0	150-750	110-550	10 N·m	1 N·m	1,228.5	1,121.7	327	31.0	69	4.900	**2641283**	DMK 750
3/4	20.0	250-850	185-630	10 N·m	1 N·m	1,375.5	1,268.7	474	31.0	69	5.200	**2641291**	DMK 850



12,5 | 1/2"

± 3 %



■"	■	N·m	lbf·ft	⏦	scale ring	L	lw	c	h	b	kg	Code	No.
1/2	12.5	20-100	15-75	5 N·m	0,5 N·m	438.0	344.2	50	22.0	43	1.200	**2641305**	DMUK 100
1/2	12.5	40-200	30-150	10 N·m	1 N·m	529.0	435.2	50	22.0	43	1.400	**2641313**	DMUK 200
1/2	12.5	60-300	45-220	10 N·m	1 N·m	620.0	526.2	50	22.0	43	1.600	**2641348**	DMUK 300

GDMK

TORQUE WRENCH SET DREMASTER® K

- The DREMASTER® DMK as a practical tool set
- Most-widely-used tools in a robust sheet-metal case
- Clearly organised - everything always easily accessible
- With foam-material inlay modules (on request, these can be customised or extended individually)

■ "	■	N·m	lbf·ft	Contents	kg	Code	No.
1/2	12.5	20-100	15-75	No. DMK 100 in sheet-metal case ○ 10 13 17 19 24 125 mm and 1/2" square drive	4.4	**2641593**	GDMK 100
1/2	12.5	40-200	30-150	No. DMK 200 in sheet-metal case ○ 10 13 17 19 24 125 mm and 1/2" square drive	5.7	**2641607**	GDMK 200
1/2	12.5	60-300	45-220	No. DMK 300 in sheet-metal case ○ 17 19 24 27 125 mm and 1/2" square drive	5.8	**2641615**	GDMK 300
3/4	20.0	80-400	60-300	No. DMK 400 in sheet-metal case ○ 18 19 24 27 200 mm and 3/4" square drive	6.5	**2641623**	GDMK 400

DMKPK

MUSHROOM HEAD / SQUARE DRIVE

Description	□ "	□	■ "	■	kg	Code	No.
Mushroom head 1/2"	1/2	12.5	1/2	12.5	0.064	**2551829**	DMKPK 7
Coupler 3/4"	3/4	20.0	3/4	20.0	0.133	**6279090**	3294

920 922 531

DVV 320 - 335

GEDORE INDIVIDUAL ... CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

DMZ

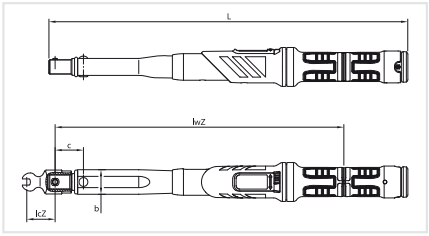
TORQUE WRENCH DREMASTER® Z 20-850 N·m / 15-630 lbf·ft

Use:

- Controlled screw tightening in the most common range of 20 - 850 N·m / 15 - 630 lbf·ft (guide for screws M7-10.9 to M24-8.8, M30-5.6)
- Adjustable, releasing and sturdy tubular torque wrench with spigot end for industry and the trades

Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate allowing for operations to be traced back. Calibrated to a permitted +/- 3 % deviation and better. The specifications of the standard (+/- 4 %) are exceeded.
- For controlled bi-directional tightening
- Sturdy, satin chrome-plated tubular steel construction, with phosphated spigot end (16 mm or 22 mm) and high-grade plastic parts
- Ergonomically shaped, 2-component plastic grip with calibration aid
- Change-over between N·m main scale and lbf·ft ancillary scale to avoid reading errors when setting the torque wanted.
- With micrometre scale for main N·m scale for setting interim values
- Release system triggers a tactile and audible signal
- Ergonomic system for torque adjustment with reference symbol
- Provision for rapid setting with hexagon allen key, not included
- Secured adjusting/setting system
- Factory depth gauge: 32 mm (16 mm) or 56 mm (22 mm)
- Operation only with end fittings with standardised depth gauge - otherwise inaccuracies may arise.
- Depending on the application, access is possible from the front (e.g. open-end fitting) or side (e.g. reversible ratchet and socket)
- Patent applied



Ø	N·m	lbf·ft		scale ring	L	lwZ	lcZ	b	c	kg	Code	No.
16	20-100	15-75	5 N·m	0,5 N·m	405.5	326.2	32	27.5	32	0.900	**2641518**	DMZ 100
16	40-200	30-150	10 N·m	1 N·m	496.5	417.2	32	27.5	32	1.100	**2641526**	DMZ 200
16	60-300	45-220	10 N·m	1 N·m	587.5	508.2	32	27.5	32	1.300	**2641534**	DMZ 300
16	80-400	60-300	10 N·m	1 N·m	677.5	598.2	32	33.0	32	2.200	**2641542**	DMZ 400
22	110-550	80-405	10 N·m	1 N·m	913.0	840.7	56	36.5	37	3.600	**2641550**	DMZ 550
22	150-750	110-550	10 N·m	1 N·m	1,194.0	1,121.7	56	38.5	318	4.700	**2641569**	DMZ 750
22	250-850	185-630	10 N·m	1 N·m	1,341.0	1,268.7	56	38.5	465	5.000	**2641577**	DMZ 850

GDMZ

TORQUE WRENCH SET DREMASTER® Z

- The DREMASTER® DMZ as a practical tool set
- Most-widely-used tools in a robust sheet-metal case
- Clearly organised - everything always easily accessible
- With foam-material inlay modules (on request, these can be customised or extended individually)

Ø	N·m	lbf·ft	Contents	kg	Code	No.
16	20-100	15-75	No. DMZ 100 in sheet-metal case 17 19 24 17 19 24 and 1/2" ratchet head	4.5	**2641704**	GDMZ 100
16	40-200	30-150	No. DMZ 200 in sheet-metal case 17 19 24 17 19 24 and 1/2" ratchet head	5.8	**2641712**	GDMZ 200
16	60-300	45-220	No. DMZ 300 in sheet-metal case 24 27 30 32 24 27 and 1/2" ratchet head	6.5	**2641720**	GDMZ 300
16	80-400	60-300	No. DMZ 400 in sheet-metal case 24 27 30 32 24 27 and 1/2" ratchet head	7.4	**2641739**	GDMZ 400

DMSE

TORQUE WRENCH DREMASTER® SE 20-400 N·m / 15-300 lbf·ft

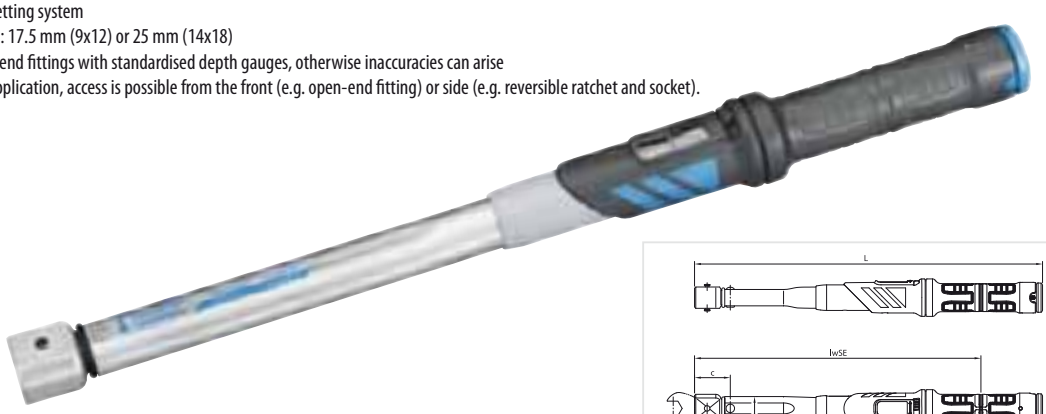
9x12
14x18

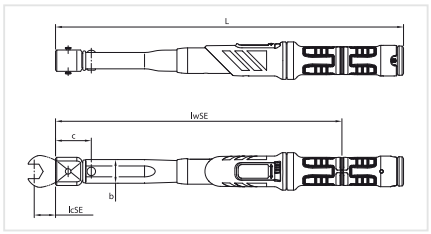
Use:

- Controlled screw tightening in the most common range of 20 - 400 N·m / 15 - 300 lbf·ft (guide for screws M7-10.9 to M20-6.9)
- Adjustable, releasing and sturdy tubular torque wrench with rectangular cavity for industry and the trades

Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate allowing for operations to be traced back. Calibrated to a permitted +/- 3 % deviation and better. The specifications of the standard (+/- 4 %) are exceeded.
- For controlled bi-directional tightening
- Sturdy, satin chrome-plated tubular steel construction, with chrome-plated rectangular cavity (9x12 mm or 14x18 mm) and high-grade plastic parts
- Ergonomically shaped, 2-component plastic grip with calibration aid
- Change-over between N·m main scale and lbf·ft ancillary scale to avoid reading errors when setting the torque wanted.
- With micrometre scale for main N·m scale for setting interim values
- Release system triggers a tactile and audible signal
- Ergonomic system for torque adjustment with reference symbol
- Provision for rapid setting with hexagon allen key, not included
- Secured adjusting/setting system
- Factory depth gauge: 17.5 mm (9x12) or 25 mm (14x18)
- Operation only with end fittings with standardised depth gauges, otherwise inaccuracies can arise
- Depending on the application, access is possible from the front (e.g. open-end fitting) or side (e.g. reversible ratchet and socket).
- Patent applied





mm	N·m	lbf·ft		scale ring	L	lwSE	lcSE	b	c	kg	Code	No.
9 x 12	20-100	15-75	5 N·m	0,5 N·m	398.5	326.2	17.5	27.5	32	0.800	**2641445**	DMSE 100
9 x 12	30-150	22-110	10 N·m	1 N·m	489.5	417.2	17.5	27.5	32	1.000	**2641453**	DMSE 150
14 x 18	40-200	30-150	10 N·m	1 N·m	499.5	427.2	25.0	27.5	42	1.100	**2641461**	DMSE 200
14 x 18	60-300	45-220	10 N·m	1 N·m	590.5	518.2	25.0	27.5	42	1.300	**2641488**	DMSE 300
14 x 18	80-400	60-300	10 N·m	1 N·m	677.5	605.2	25.0	33.0	42	2.000	**2641496**	DMSE 400

GDMSE

TORQUE WRENCH SET DREMASTER® SE

9x12
14x18

- The DREMASTER® DMSE as a practical tool set
- Most-widely-used tools in a robust sheet-metal case
- Clearly organised - everything always easily accessible
- With foam-material inlay modules (on request, these can be customised or extended individually)

mm	N·m	lbf·ft	Contents	kg	Code	No.
9 x 12	20-100	15-75	No. DMSE 100 in sheet-metal case 13 17 19 13 17 19 and 1/2" ratchet head	3.9	**2641658**	GDMSE 100
9 x 12	30-150	22-110	No. DMSE 150 in sheet-metal case 13 17 19 13 17 19 and 1/2" ratchet head	5.6	**2643731**	GDMSE 150
14 x 18	40-200	30-150	No. DMSE 200 in sheet-metal case 17 19 24 17 19 24 and 1/2" ratchet head	6.3	**2641666**	GDMSE 200
14 x 18	60-300	45-220	No. DMSE 300 in sheet-metal case 24 30 32 24 30 32 36 and 1/2" ratchet head	6.5	**2641674**	GDMSE 300
14 x 18	80-400	60-300	No. DMSE 400 in sheet-metal case 24 30 32 24 30 32 36 and 1/2" ratchet head	7.0	**2641690**	GDMSE 400

TORCOFIX K / K US

Robust torque wrench with square drive and integrated ratchet-head function for controlled bi-directional tightening.

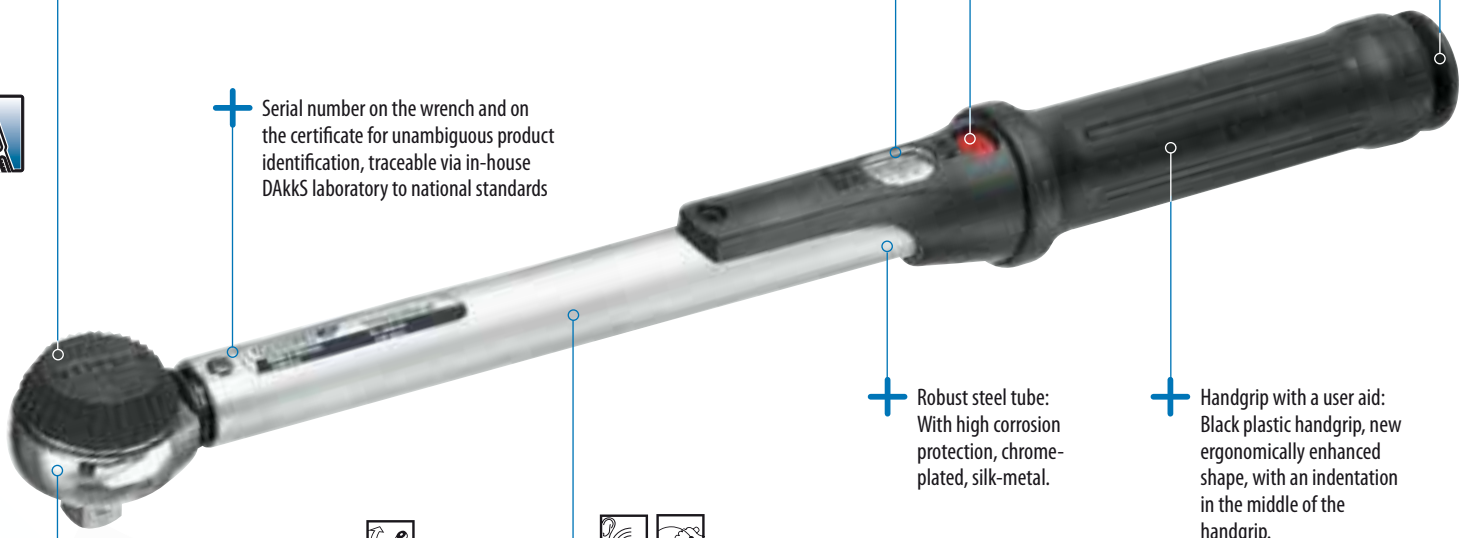
Micrometre scale: Optimised shape, stable scale frame with red-shaded micrometre scale ring. Model-dependent intervals of 0.025, 0.1, 0.25, 0.5 or 1 N·m allow very accurate settings.

Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate allowing for operations to be traced back. Calibrated to a permitted +/- 3 % deviation and better. The specifications of the standard (+/- 4 %) are exceeded.

Scale: Easily readable dual scale (N·m / lbf·in / lbf·ft) well protected under a window with a magnifying-glass effect. The torque setting is readable on the scale or, more particularly, on the scale in combination with the scale ring.

Ligthweight and reliable: Locking button enables reliable locking of the torque setting.

Serial number on the wrench and on the certificate for unambiguous product identification, traceable via in-house DAkkS laboratory to national standards

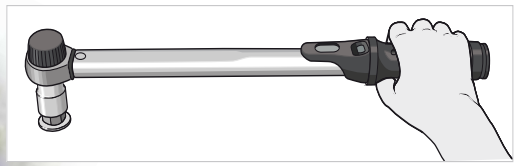


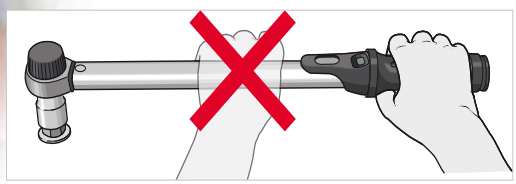
Robust steel tube: With high corrosion protection, chrome-plated, silk-metal.

Handgrip with a user aid: Black plastic handgrip, new ergonomically enhanced shape, with an indentation in the middle of the handgrip.
User aid and reference points for calibration.

Chrome-plated ratchet head: All 1/4" - 1/2" square drives of the TOROFIX K-series with mushroom head.
This mushroom head prevents an unintentional pulling out of the whole square drive when changing the nut socket.

Automatic actuation: The TORCOFIX actuates with a clear tactile impulse and audible signal and is immediately ready for operation again.

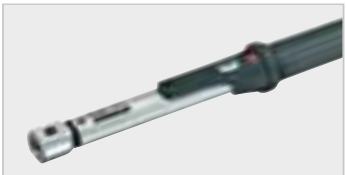




K 1/4 - 3/8
1 - 850 N·m

K US 1/4 - 3/8
20 lbf·in - 600 lbf·ft

Z 16 22
2 - 850 N·m



SE 9x12 14x18
2 - 400 N·m

4549 - 4550 - 4551

TORQUE WRENCH TORCOFIX K 1-850 N·m / 0.75-630 lbf·ft

Use:

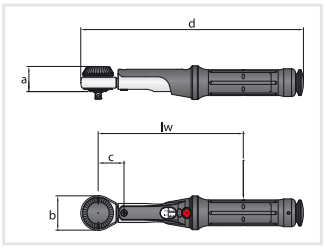
- Controlled screw tightening in the most widely used range of 1 - 850 N·m / 0.75 - 630 lbf·ft (guide for screws M3-6.9 to M24-8.8, M30-5.6)
- Adjustable, releasing and sturdy tubular torque wrench with integrated ratchet and with square drive for industry and the trades

Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- For controlled bi-directional tightening
- 1/4", 3/8", 1/2" interchangeable mushroom head with ball locking device. As from 3/4" with push through square drive with pin-locking mechanism
- Sturdy, satin chrome-plated tubular steel construction, with chrome-plated ratchet head and top-grade plastic parts
- Ergonomically shaped, convenient black plastic handgrip with calibration aid
- Dual scale N·m and lbf·ft below a window with a magnifying-glass effect
- With micrometre scale for main N·m scale for setting interim values
- Release system triggers a tactile and audible signal
- Ergonomic system for torque adjustment

6,3 1/4" 10 3/8" 12,5 1/2" 20 3/4"

± 3 %



■ "	■	N·m	lbf·ft	⟷	scale ring	lw	a	b	c	d	kg	Code	No.
1/4	6.3	1-5	0,75-3,7	0,25 N·m	0,025 N·m	146.0	25.3	35	26	224.0	0.323	**2201429**	4549-00
1/4	6.3	2-25	1,5-18	1 N·m	0,1 N·m	206.5	24.0	35	26	284.5	0.450	**1545132**	4549-02
3/8	10.0	5-50	3,5-37	2,5 N·m	0,25 N·m	256.5	24.0	35	26	334.5	0.540	**1545140**	4549-05
1/2	12.5	10-100	8-75	5 N·m	0,5 N·m	303.5	33.0	44	35	394.0	0.900	**7601530**	4550-10
1/2	12.5	20-200	15-150	10 N·m	1 N·m	394.5	33.0	44	35	485.0	1.100	**7601610**	4550-20
1/2	12.5	60-300	45-220	10 N·m	1 N·m	485.5	33.0	46	35	577.0	1.400	**7601880**	4550-30
3/4	20.0	75-400	55-300	10 N·m	1 N·m	583.5	31.0	67	46	686.0	2.000	**7674330**	4550-40
3/4	20.0	100-550	75-405	10 N·m	1 N·m	853.0	31.0	69	52	956.5	3.800	**7674760**	4550-55
3/4	20.0	140-750	105-550	10 N·m	1 N·m	1,133.0	31.0	69	327	1,236.0	4.800	**1521365**	4550-75
3/4	20.0	250-850	185-630	10 N·m	1 N·m	1,276.0	31.0	69	1276	1,379.0	4.700	**1950525**	4551-85

4549 - 4550

MUSHROOM HEAD / SQUARE DRIVE TORCOFIX K

Use:

- Interchangeable square drive (mushroom head) for TORCOFIX K

Features:

- Made of chrome-vanadium steel, zinc-plated
- With black mushroom head made of polypropylene (PPN)
- With 1/4", 3/8" or 1/2" output square drive with ball locking device
- With 3/4" push through square with pin locking

6,3 1/4" 10 3/8" 12,5 1/2" 20 3/4"

Description	□ "	□	■ "	■	∅ mm	kg	Code	No.
Mushroom head 3/8-1/4"	3/8	10.0	1/4	6.3	35	0.021	**1545167**	4549-87S
Mushroom head 3/8"	3/8	10.0	3/8	10.0	35	0.022	**1566385**	4549-88S
Mushroom head 1/2"	1/2	12.5	1/2	12.5	44	0.060	**7079370**	4550-85S
Mushroom head 1/2-3/8"	1/2	12.0	3/8	10.0	44	0.060	**7079450**	4550-86S
Coupler 3/4"	3/4	20.0	3/4	20.0		0.133	**6279090**	3294

5550

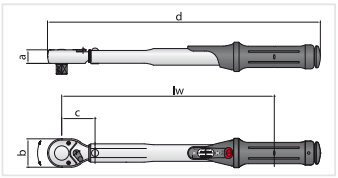
TORQUE WRENCH TORCOFIX UK 10-300 N·m / 8-220 lbf·ft

Use:

- Controlled screw tightening in the most widely used range of 10 - 300 N·m / 8-220 lbf·ft
- Adjustable, releasing and sturdy tubular torque wrench with integrated lever ratchet and with square drive for industry and the trades

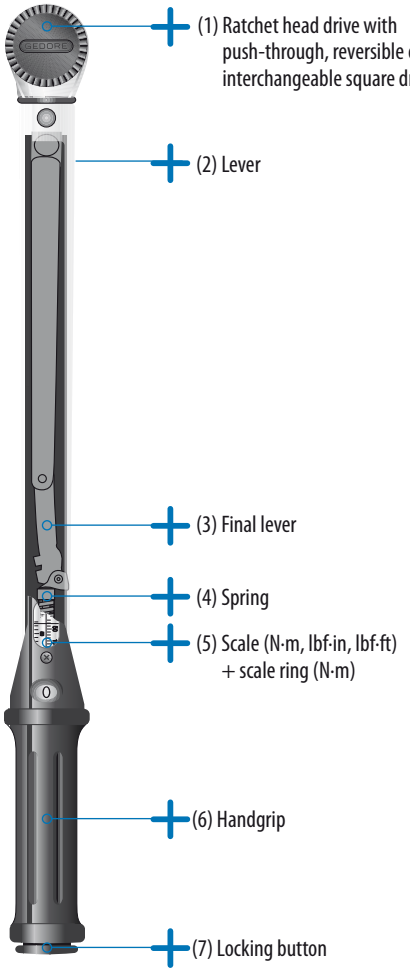
Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate.
  Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- For controlled clockwise tightening
- 1/2" square drive with ball locking device
- Sturdy, satin chrome-plated tubular steel construction, with chrome-plated ratchet head and top-grade plastic parts
- Ergonomically shaped, convenient black plastic handgrip with calibration aid
- Dual scale N·m and lbf·ft below a window with a magnifying-glass effect
- With micrometre scale for main N·m scale for setting interim values
- Release system triggers a tactile and audible signal
- Ergonomic system for torque adjustment



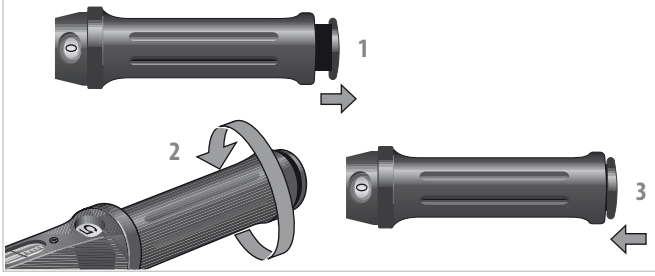
■"	■	N·m	lbf·ft	⟷	scale ring	lw	a	b	c	d	kg	Code	No.
1/2	12.5	10-100	8-75	5 N·m	0,5 N·m	318.2	22.0	43	50	409.0	1.0	**1210467**	5550-10
1/2	12.5	20-200	15-150	10 N·m	1 N·m	409.2	22.0	43	50	500.0	1.2	**1210475**	5550-20
1/2	12.5	60-300	45-220	10 N·m	1 N·m	500.2	22.0	43	50	591.0	1.4	**1210483**	5550-30

Mechanics



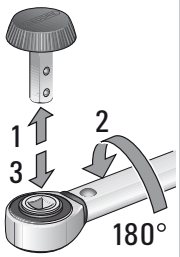
Features

Pull out the locking button at the end of the handgrip and turn the handgrip in the clockwise or anti-clockwise direction in order to make the desired torque setting. Lock the locking button again. Finished!

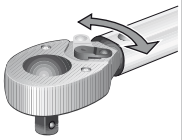


Function

In order to change the turning direction of the TORCOFIX K:
Press on the protruding square drive with your thumb and take out the mushroom head, turn the wrench and re-insert the square drive.



For the TORCOFIX UK:
Switch the lever of the reversible ratchet to correspond with the desired direction, clockwise or anti-clockwise.



TORCOFIX K US

6550 - 6551

TORQUE WRENCH TORCOFIX K US 20 lbf·in - 600 lbf·ft / 2 - 810 N·m

Use:

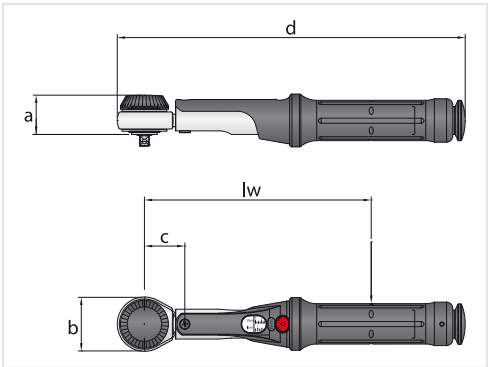
- Controlled screw tightening in the most widely used range of 20 lbf·in - 600 lbf·ft / 2 - 810 N·m
- Adjustable, releasing and sturdy tubular torque wrench with integrated ratchet and with square drive for industry and the trades

Features:

- **Anglo-American unit**
- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- For controlled bi-directional tightening
- 1/4", 3/8", 1/2" interchangeable mushroom head with ball locking device. As from 3/4" with push through square drive with pin-locking mechanism
- Sturdy, satin chrome-plated tubular steel construction, with chrome-plated ratchet head and top-grade plastic parts
- Ergonomically shaped, convenient black plastic handgrip with calibration aid
- Dual scale lbf·in and lbf·ft below a window with a magnifying-glass effect
- With micrometre scale for lbf·in resp. lbf·ft main scale for setting interim values
- Release system triggers a tactile and audible signal
- Ergonomic system for torque adjustment

6,3 | 1/4" | 10 | 3/8" | 12,5 | 1/2" | 20 | 3/4"

± 3 %



■"	■	lbf·in	lbf·ft	⎓	scale ring	N·m	lw	a	b	c	⊢mm⊣	kg	Code	No.
1/4	6.3	20-100		5 lbf·in	0,5 lbf·in	2-11	140.0	24	35	26	220	0.300	**1956752**	6550-02
3/8	10.0	50-250		10 lbf·in	1 lbf·in	6-28	230.0	33	43	35	307	0.800	**1956779**	6550-05
3/8	10.0	150-1000		50 lbf·in	5 lbf·in	17-113	303.5	33	44	35	394	0.900	**1956787**	6550-15
3/8	10.0		7-50	2,5 lbf·ft	0,25 lbf·ft	10-68	303.5	33	44	35	394	0.900	**1956795**	6551-07
1/2	12.5		10-75	2,5 lbf·ft	0,25 lbf·ft	15-102	303.5	33	44	35	394	0.900	**1956817**	6551-10
1/2	12.5		30-150	5 lbf·ft	0,5 lbf·ft	40-205	394.5	33	44	35	485	1.100	**1956833**	6551-30
3/4	20.0		60-300	10 lbf·ft	1 lbf·ft	81-407	583.5	31	67	46	686	2.000	**1956841**	6551-60
3/4	20.0		120-600	10 lbf·ft	1 lbf·ft	163-810	1,133.0	31	69	327	1236	4.500	**1956868**	6551-120

4400 - 4485

TORQUE WRENCH TORCOFIX Z 2-850 N·m / 1,5-630 lbf·ft

16
22

Use:

- Controlled screw tightening in the most widely used range of 2 - 850 N·m / 1.5 - 550 lbf·ft
- Adjustable, releasing and sturdy tubular torque wrench with spigot end for industry and the trades

Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- For controlled bi-directional tightening
- Sturdy, satin chrome-plated tubular steel construction, with phosphated spigot end (16 mm or 22 mm) and high-grade plastic parts
- Ergonomically shaped, convenient black plastic handgrip with calibration aid
- Dual scale N·m and lbf·ft below a window with a magnifying-glass effect
- With micrometre scale for main N·m scale for setting interim values
- Release system triggers a tactile and audible signal
- Ergonomic system for torque adjustment
- Factory depth gauges: 32 mm (16) or 56 mm (22)
- Operation only with end fittings with standardised depth gauges, otherwise inaccuracies can arise
- Depending on the application, access is possible from the front (e.g. open-end fitting) or side (e.g. reversible ratchet and socket)

Ø	N·m	lbf·ft		scale ring	lwZ	lcZ	a	b	c	kg	Code	No.
16	2-25	1,5-18	1 N·m	0,1 N·m	211.0	32	20.0	30	279.0	0.330	**1646168**	4400-02
16	5-50	3,5-37	2,5 N·m	0,25 N·m	261.0	32	20.0	30	329.0	0.390	**1646176**	4405-05
16	10-100	8-75	5 N·m	0,5 N·m	300.5	32	27.5	32	376.5	0.700	**7097270**	4410-01
16	20-200	15-150	10 N·m	1 N·m	391.5	32	27.5	32	467.5	0.860	**7097350**	4420-01
16	60-300	45-220	10 N·m	1 N·m	482.5	32	27.5	32	558.5	1.080	**7097430**	4430-01
16	75-400	55-300	10 N·m	1 N·m	569.5	32	35.0	32	645.5	1.390	**7094090**	4440-01
22	100-550	75-400	10 N·m	1 N·m	843.0	56	36.6	37	921.0	3.000	**7501310**	4450-01
22	140-750	105-550	10 N·m	1 N·m	1,124.0	56	38.0	318	1,202.0	4.060	**1521381**	4475-01
22	250-850	185-630	10 N·m	1 N·m	1,267.0	56	38.0	465	1,345.0	4.430	**1997009**	4485-01

Technical information Z

- The large cross-section of the spigot end transfers a maximum torque. "Quick-fitting-change-system" with a locking pin mechanism guarantees that work takes place flexibly and rapidly.
- Ideal for bolted connections in cramped and hard-to-access locations. Depending on how the torque wrench Z is used, it is possible to work both in the forward direction and also to the side. For anti-clockwise tightening, simply turn the torque wrench through 180°

DREMASTER Z · DREMOMETER Z 288 280

TORCOFIX SE

4100 - 4301

TORQUE WRENCH TORCOFIX SE 2-400 N·m / 1.5-300 lbf·ft

9x12
14x18

Use:

- Controlled screw tightening in the most widely used range of 2 - 400 N·m / 1.5 - 300 lbf·ft
- Adjustable, releasing and sturdy tubular torque wrench with rectangular cavity for industry and the trades

Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- For controlled bi-directional tightening
- Sturdy, satin chrome-plated tubular steel construction, with chrome-plated rectangular cavity (9x12 mm or 14x18mm) and high-grade plastic parts
- Ergonomically shaped, convenient black plastic handgrip with calibration aid
- Dual scale N·m and lbf·ft below a window with a magnifying-glass effect
- With micrometre scale for main N·m scale for setting interim values
- Release system triggers a tactile and audible signal
- Ergonomic system for torque adjustment
- Factory depth gauges: 17.5 mm (9x12) or 25 mm (14x18)
- Operation only with end fittings with standardised depth gauges, otherwise inaccuracies can arise
- Depending on the application, access is possible from the front (e.g. open-end fitting) or side (e.g. reversible ratchet and socket).

mm	N·m	lbf·ft		scale ring	lwSE	lcSE	a	b	c	kg	Code	No.
9 x 12	2-25	1,5-18	1 N·m	0,1 N·m	213.0	17.5	20.0	32	274.0	0.300	**1646192**	4101-02
9 x 12	5-50	3,5-37	2,5 N·m	0,25 N·m	263.0	17.5	20.0	32	324.0	0.450	**1646206**	4101-05
9 x 12	10-100	8-75	5 N·m	0,5 N·m	300.5	17.5	27.5	32	369.5	0.600	**7600210**	4100-01
9 x 12	20-150	15-110	10 N·m	1 N·m	391.5	17.5	27.5	32	460.5	0.800	**1654934**	4200-02
14 x 18	20-200	15-150	10 N·m	1 N·m	401.5	25.0	27.5	42	470.5	0.900	**7600990**	4201-01
14 x 18	60-300	45-220	10 N·m	1 N·m	492.5	25.0	27.5	42	561.5	1.200	**7601020**	4300-01
14 x 18	75-400	55-300	10 N·m	1 N·m	579.5	25.0	35.0	42	648.5	1.600	**7604120**	4301-01

TORCOFIX FS

4150 - 4151

TORQUE WRENCH FOR PRE-SETTING TORCOFIX FS 2-200 N·m

9x12
14x18

Use:

- Controlled screw tightening in the most widely used range of 2 - 200 N·m without scale
- Pre-set, releasing and sturdy tubular torque wrench with rectangular cavity for industry and the trades

Features:

- Classified to DIN EN ISO 6789:2003 Type II Class A, with a factory certificate. Working accuracy: +/- 3 % tolerance of scale set torque. The specification of the standard (+/- 4 %) is exceeded.
- For controlled bi-directional tightening
- Sturdy, satin chrome-plated tubular steel construction, with chrome-plated rectangular cavity (9x12 mm or 14x18 mm)
- Release system triggers a tactile and audible signal
- Factory depth gauge: 17.5 mm (9x12) or 25 mm (14x18)
- Operation only with end fittings with standardised depth gauges, otherwise inaccuracies can arise
- Depending on the application, access is possible from the front (e.g. open-end fitting) or side (e.g. reversible ratchet and socket).
- **If a factory setting is required, please specify the N·m value on the order**

mm	N·m min / max	lwFS	lcFS	a	b	c	kg	Code	No.
9 x 12	2 / 25	134	17.5	22	31	186	0.210	**7601960**	4150-25
9 x 12	5 / 50	194	17.5	22	31	246	0.270	**7602180**	4150-50
9 x 12	15 / 85	277	17.5	22	31	329	0.340	**7602850**	4150-85
14 x 18	20 / 200	354	25.0	33	42	407	0.750	**7603580**	4151-20

TORQUE SCREWDRIVER

- Ideal for serial production
- 3 Torque screwdriver handles for 3 working ranges
- 23 different plug-in blades for all common screw profiles (slotted, cross-slotted PH + PZ, TORX® and TORX PLUS®)
- All items are available individually - from torque screwdriver handle to each plug-in blade)

2140

TORQUE SCREWDRIVER SET 25 pieces

- Ideal for working in a small torque range, e.g. electronics, precision mechanics
- GEDORE-Check-Tool system
- For screwdriver function simply add the 2C multi-handle with appropriate accessory
- Adjustable, with tactile impulse and audible signal
- For guaranteed controlled screw tightening in the range of 1.5-3 / 3-5.4 N·m
- With test certificate acc. to DIN EN ISO 6789, traceable to national standards
- Actuation accuracy: +/- 6 % tolerance of the set value
- Delivered with test certificate and operating instructions

Contents	N·m	kg	Code	No.
680 4 6,5 685 2 2,5 3 4 5 6 690 0 1 2 D 20 4 4,5 5 5,5 6 7 8 9 10 42 6 673 L, 676 699 L 2140 3,0 N·m	1,5-3,0	0.595	**1953761**	2140-3,0-025
680 4 6,5 685 2 2,5 3 4 5 6 690 0 1 2 D 20 4 4,5 5 5,5 6 7 8 9 10 42 6 673 L, 676 699 L 2140 5,4 N·m	3,0-5,4	0.595	**1802429**	2140-5,4-025

2140

TORQUE SCREWDRIVER HANDLE 0.6-5.4 N·m

- Adjustable, with tactile impulse and audible signal
- For guaranteed controlled screw tightening in the range of 0.6 - 5.4 N·m
- With test certificate acc. to DIN EN ISO 6789, traceable to national standards
- Including hexagon socket key 42 6 mm
- Actuation accuracy:
- model 2140 1,5 NM: +/- 10 % tolerance of the set value
- model 2140 3,0 NM and 2140 5,4 NM: +/- 6 % tolerance of the set value

N·m	mm		kg	Code	No.
0,6-1,5	108	0,1	0.145	**1802364**	2140 1,5 NM
1,5-3,0	108	0,1	0.147	**1802372**	2140 3,0 NM
3,0-5,4	108	0,2	0.152	**1802380**	2140 5,4 NM

2141 IP

PLUG-IN BLADE 1/4" HEX for recessed TORX PLUS® head screws

- TORX PLUS® = reg. trademark of Acument Intellectual Properties, LLC. USA

	M	mm	kg	Code	No.
6IP	M2	170	0.042	**1802658**	2141 6IP
7IP	–	170	0.042	**1802666**	2141 7IP
8IP	M2,5 - M3	170	0.042	**1802674**	2141 8IP
9IP	–	170	0.042	**1802682**	2141 9IP
10IP	M3 - M3,5	170	0.042	**1802690**	2141 10IP
15IP	M3,5 - M4	170	0.044	**1802704**	2141 15IP

Accessories

246 - 251

Activating tools and screwdriver bits as well as adaptors are listed up from page 246

2141 TX

PLUG-IN BLADE 1/4" HEX for recessed TORX® head screws

◤ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

	M	mm	mm	kg	Code	No.
T6	M2	1,69	170	0.042	**1802569**	2141 TX T6
T7	M2,5	1,99	170	0.042	**1802577**	2141 TX T7
T8	M2,5	2,31	170	0.042	**1802585**	2141 TX T8
T9	M3	2,50	170	0.042	**1802593**	2141 TX T9
T10	M3 - M3,5	2,74	170	0.042	**1802607**	2141 TX T10
T15	M3,5 - M4	3,27	170	0.044	**1802615**	2141 TX T15
T20	M4 - M5	3,86	170	0.045	**1802623**	2141 TX T20
T25	M4,5 - M5	4,43	170	0.046	**1802631**	2141 TX T25

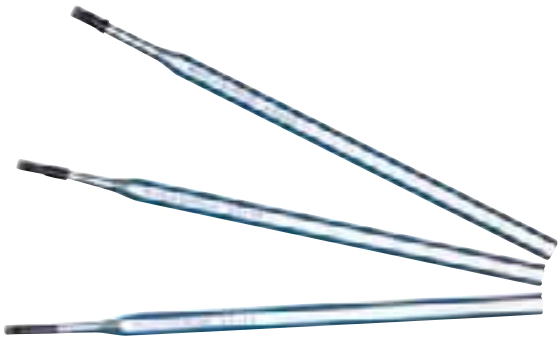
2141 PH

PLUG-IN BLADE HEX for cross-slotted head screws PH

PH	M	mm	kg	Code	No.
0	M1,6 - M2	170	0.042	**1802496**	2141 PH 0
1	M2 - M3	170	0.044	**1802518**	2141 PH 1
2	M3,5 - M5	170	0.046	**1802526**	2141 PH 2

2141 IS

PLUG-IN BLADE 1/4" HEX for slotted head screws



mm	mm	mm	kg	Code	No.
3.0	0.5	170	0.042	**1802453**	2141 IS 3
3.5	0.6	170	0.043	**1802461**	2141 IS 3,5
4.0	0.8	170	0.043	**1802488**	2141 IS 4

2141 PZ

PLUG-IN BLADE HEX for cross-slotted head screws PZ

PZ	M	mm	kg	Code	No.
0	M1,6 - M2	170	0.042	**1802534**	2141 PZ 0
1	M2 - M3	170	0.044	**1802542**	2141 PZ 1
2	M3,5 - M5	170	0.046	**1802550**	2141 PZ 2

2133 154

Torque screwdriver technic

A range of compact and versatile torque screwdrivers with automatically actuating, dial-indicating and measuring torque.

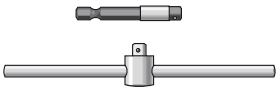
Type FS 755
Pre-set torque screwdriver without scale for durable and identical value tightening
Auto setting
Bidirectional
Anodised aluminium handgrip

Type 756
Adjustable torque screwdriver with micrometre scale
"Positive-lock"-system
Drive type made of stainless steel
Auto setting
Bidirectional
Non-slip rubber handgrip
EPA > see product

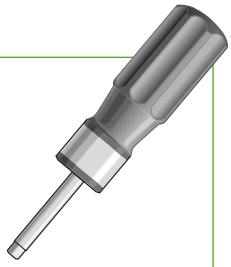
Type S 757
Adjustable torque screwdriver with micrometre scale
Auto setting
Bidirectional
Anodised aluminium handgrip

Type SP 758
Dial-indicating torque screwdriver with dual scale
Locking of maximum values / maximum value-display
Bidirectional
Anodised aluminium handgrip
EPA > see product

Scope of delivery
We supply a 1/4"-1/4"-drive adaptor with all models
To make work easier, a sliding or removable T-bar is included with several models



Special models
Optionally, all torque screwdrivers are also available with a 1/4" male square drive spindle.
Apart from that: Torque screwdrivers for the medical "clean-room" area are available on request.



757

TORQUE SCREWDRIVER TYPE S 0.2-9 N·m

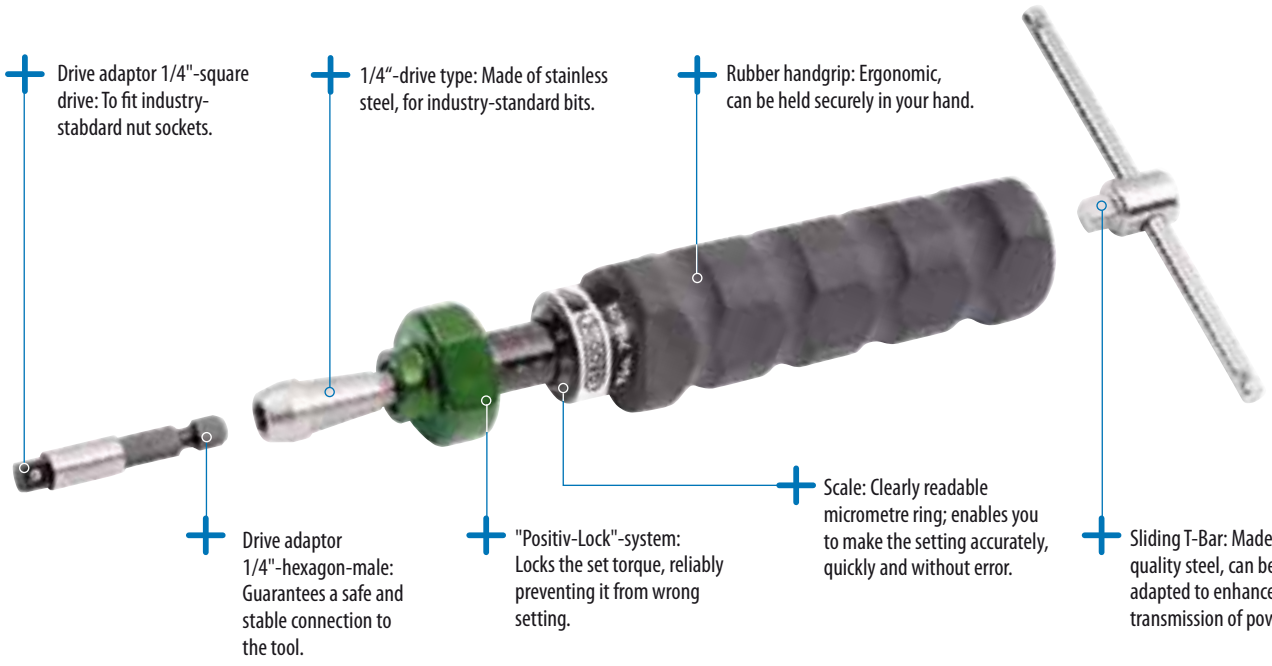
Use:
- Controlled screw tightening in the range 20 cN·m - 9 N·m
- High-speed, controlled tightening enables serial production
- Electrical and electronic hardware industry, instrument-making industry and industrial manufacturing or in quality control

Features:
- Adjustable torque screwdriver with scale
- With 1/4" female hexagon drive for use with 1/4" hexagon bits as per DIN 3126 - C 6.3
- With adaptor also suitable for 1/4" square drive sockets as per DIN 3124
- Working accuracy: +/- 6 % tolerance of the set torque
- Acc. to DIN EN ISO 6789, traceable to national standards
- Precision radial ball clutch and cam design for controlled bi-directional tightening
- Precision mechanism slips very noticeably through when set torque is reached
- Automatic resetting to the starting position
- Locking of the value by means of an adjusting knob
- 3 models in the range 20 cN·m to 9 N·m
- Micrometre scale graduation: 1 cN·m / 0.1 N·m
- Lightweight construction by virtue of anodised aluminium handgrips

Scope of delivery:
- Torque screwdriver type 757
- 1/4" square/hexagon drive adaptor (no. 757-20)
- Models 757-06/-09 with additional sliding T-bar for ease of use
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging

⬡ "	⬡	■ "	■	cN·m	N·m	⟷ mm ⟷	⏦	Colour	kg	Code	No.
1/4	6.3	1/4	6.3	20-120		169	1,0 cN·m	black	0.165	**7718050**	757-01
1/4	6.3	1/4	6.3		1-6	184	0,1 N·m	red	0.400	**7718130**	757-06
1/4	6.3	1/4	6.3		4-9	184	0,1 N·m	green	0.400	**7718210**	757-09

Torque screwdrivers 756



756

TORQUE SCREWDRIVER TYPE S 0,08-9 N·m

Use:

- Controlled screw tightening in the range 0.08 - 9 N·m
- High-speed, controlled tightening enables serial production
- Electrical and electronic hardware industry, instrument-making industry and industrial manufacturing or in quality control

Features:

- Adjustable torque screwdriver - with scale
- With 1/4" female hexagon drive for use with 1/4" hexagon bits as per DIN 3126 - C 6.3
- With adapter also suitable for 1/4" square drive sockets as per DIN 3124
- Actuation accuracy: +/- 6 % tolerance of the set value
- Acc. to DIN EN ISO 6789, traceable to national standards
- Precision radial ball clutch and cam design for controlled bi-directional tightening
- Precision mechanism slips very noticeably through when the set torque is reached
- Automatic resetting to the starting position
- "Positive-Lock" system automatically fixes the set value preventing it from wrong setting.
- 4 models in the range 0.05 N·m to 9 N·m
- Micrometre scaling: 1 cN·m and 0.1 N·m
- Very convenient, lightweight and non-slip rubber handgrip
- EPA-conformant (Electrostatic Protected Area), for use in sensitive electrostatic applications

Scope of delivery:

- Torque wrench type 756
- 1/4" square/hexagon drive adapter (no. 757-20)
- Models 756-06/-09 with additional sliding T-bar for ease of use
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging

⬡ "	⬡	■ "	■	cN·m	N·m	⟷ mm ⟷	±	Colour	kg	Code	No.
1/4	6.3	1/4	6.3	8-40		159	1 cN·m	silver	0.124	**1498738**	756-00
1/4	6.3	1/4	6.3	20-120		183	1 cN·m	blue	0.165	**1400150**	756-01
1/4	6.3	1/4	6.3		1-6	196	0,1 N·m	red	0.340	**1400169**	756-06
1/4	6.3	1/4	6.3		4-9	196	0,1 Nm	green	0.340	**1400177**	756-09

755

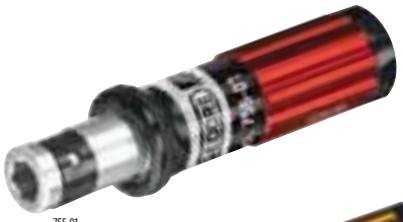
TORQUE SCREWDRIVER TYPE FS 0.04-13,6 N·m / pre-set

Use:
- Controlled screw tightening in the range 0.04 - 13.6 N·m
- Serial manufacture with constant tightening value
- Electronic industry, precision mechanics and industrial manufacturing

Features:
- Pre-set torque screwdriver without a scale
- With 1/4" female hexagon drive for use with 1/4" hexagon bits as per DIN 3126 - C 6.3
- With adaptor also suitable for 1/4" square drive sockets as per DIN 3124
- Working accuracy: +/- 6 % tolerance of the set torque
- Acc. to DIN EN ISO 6789, traceable to national standards
- Precision radial ball clutch and cam design for controlled bi-directional tightening
- Precision mechanism slips very noticeably through when the set torque is reached
- Automatic resetting to the starting position
- Lightweight construction by virtue of anodised aluminium handgrips
- The pre-setting can be made at the factory or by the user on suitable torque testers
- If ordering, please specify the N·m value - if a fixed factory setting is desired (price on request)

Scope of delivery:
- Torque screwdriver type 755
- 1/4" square/hexagon drive adaptor (no. 757-20)
- Model 755-05 with additional removable T-bar for ease of use
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging

755-05


755-01

755-02

⬡ "	⬡	■ "	■	cN·m	N·m	⊢ mm ⊣	Colour	kg	Code	No.
1/4	6.3	1/4	6.3	4-22		76	red	0.050	**1471481**	755-01
1/4	6.3	1/4	6.3	4-22		104	gold	0.072	**1471473**	755-02
1/4	6.3	1/4	6.3	14-135		111	blue	0.210	**1471465**	755-03
1/4	6.3	1/4	6.3	50-400		127	green	0.280	**1471457**	755-04
1/4	6.3	1/4	6.3		2,5-13,6	137	black	0.325	**1228501**	755-05

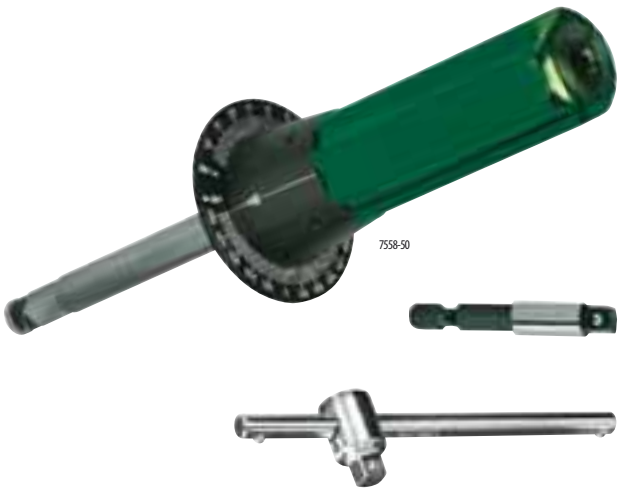
758

TORQUE SCREWDRIVER TYPE SP 10-500 cN·m / 14 ozf·in - 40 lbf·in

Use:
- In the torque range 10 cN·m - 500 cN·m
- For test and installation work in the electrical and electronic hardware industry, instrument-making industry and industrial manufacturing or in quality control

Features:
- Dial-indicating torque and test screwdriver - with dual scale (cN·m/ozf·in/lbf·in)
- With 1/4" female hexagon drive for use with 1/4" hexagon bits as per DIN 3126 - C 6.3
- With adapter also suitable for 1/4" square drive sockets as per DIN 3124
- Display accuracy: +/- 6 % tolerance of the indicated value
- Acc. to DIN EN ISO 6789, traceable to national standards
- For controlled bi-directional tightening
- With slave-pointer function
- For locking of maximum values / maximum-value display
- 4 models in the range 10 cN·m to 500 cN·m
- Lightweight construction by virtue of anodised aluminium handgrips
- **EPA-conformant (Electrostatic Protected Area), for use in sensitive electrostatic applications**

Scope of delivery:
- Torque screwdriver type 758
- 1/4" square/hexagon drive adapter (no. 757-20)
- Models 758-25/-50 with additional sliding T-bar for ease of use
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging


7558-50

⬡ "	⬡	■ "	■	cN·m	ozf·in / lbf·in	⊢ mm ⊣		Colour	kg	Code	No.
1/4	6.3	1/4	6.3	10-50	14-70 ozf·in	178	2 cN·m / 2 ozf·in	gold	0.190	**7096380**	758-05
1/4	6.3	1/4	6.3	20-100	28-140 ozf·in	178	5 cN·m / 5 ozf·in	blue	0.190	**7096460**	758-10
1/4	6.3	1/4	6.3	50-250	4-20 lbf·in	250	10 cN·m / 0,5 lbf·in	red	0.465	**7096540**	758-25
1/4	6.3	1/4	6.3	100-500	8-40 lbf·in	250	20 cN·m / 1 lbf·in	green	0.465	**7096620**	758-50

761

TORQUE WRENCH TSP SLIPPER 1-10 N·m / 10-90 lbf·in / pre-set

Use:
- Controlled screw tightening in the range 1 - 10 N·m
- Ideal for assembly work where controlled tightening with low torque values is required (e.g. electronic hardware sector, precision mechanics etc.)

Features:
- Pre-set production torque wrench - without scale
- 1/4" square drive with ball locking device
- With integrated ratchet-function for controlled clockwise tightening
- Working accuracy: +/- 6 % tolerance of the set torque
- Acc. to DIN EN ISO 6789, traceable to national standards
- Precision mechanism slips very noticeably and audibly ("click") when the pre-set value is reached - over-tightening is not possible
- Automatic resetting to the starting position
- 2 models in the range 1 N·m to 10 N·m
- Extremely lightweight yet robust and corrosion-resistant construction design
- Very convenient non-slip rubber handgrip
- EPA-conformant (Electrostatic Protected Area), for use in sensitive electrostatic applications
- The pre-setting can be made at the factory or by the user on suitable torque testers
- If ordering, please specify the N·m value - if a fixed factory pre-setting is desired (price on request)

Scope of delivery:
- Torque wrench type TSP SLIPPER
- Adjusting tool for changing the pre-set torque value
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging

- TSP SLIPPER - the pre-set production torque wrench (without scale) for the lower torque range 1 - 10 N·m.
- Accidental adjustment while working is ruled out.
- The built-in ratchet with clockwise tightening and the corrosion-resistant lightweight construction design make this torque wrench the optimum working partner for quick and controlled screw tightening.
- The integrated slipping mechanism reliably prevents over-tightening - the guarantee for high repeatability and controlled tightening values.

■"	■	N·m	lbf·in	⟷ mm ⟷	kg	Code	No.
1/4	6.3	1-5	10-45	185	0.190	**1196650**	761-05
1/4	6.3	2-10	20-90	185	0.190	**1196731**	761-10

762

TORQUE WRENCH TSC SLIPPER 1-10 N·m

Use:
- Controlled screw tightening in the range 1 - 10 N·m
- Ideal for assembly work where controlled tightening with low torque values is required (e.g. electronic hardware sector, precision mechanics etc.)

Features:
- Adjustable torque wrench - with scale
- 1/4" square drive with ball locking device
- With integrated ratchet-head function for controlled clockwise tightening
- Working accuracy: +/- 6 % tolerance of set torque
- Acc. to DIN EN ISO 6789, traceable to national standards
- Precision mechanism slips very noticeably and audibly ("click") when the set torque is reached - over-tightening is not possible
- Automatic resetting to the starting position
- Micrometre scale graduation: 0.05 N·m / 0.1 N·m
- 2 models in the range 1 N·m to 10 N·m
- Extremely lightweight yet robust and corrosion-resistant construction design
- Very convenient non-slip rubber handgrip
- **EPA-conformant (Electrostatic Protected Area), for use in sensitive electrostatic applications**

Scope of delivery:
- Torque wrench type TSC SLIPPER
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging

Technical information

- The scale is situated on the body tube.
- The setting is made by rotating the unlocked handgrip with the integrated micrometre ring.
- **TSC SLIPPER -** the adjustable torque wrenches (with scale) for the lower torque range 1 - 10 N·m.
- The built-in ratchet with clockwise tightening and the corrosion-resistant lightweight construction design make this torque wrench the optimum working partner for quick and controlled screw tightening.
- The integrated slipping mechanism reliably prevents over-tightening - the guarantee for high repeatability and controlled tightening values.

■"	■	N·m	⟷ mm ⟷		kg	Code	No.
1/4	6.3	1-5	195	0,05 N·m	0.235	**1196480**	762-05
1/4	6.3	2-10	195	0,1 N·m	0.235	**1196510**	762-10

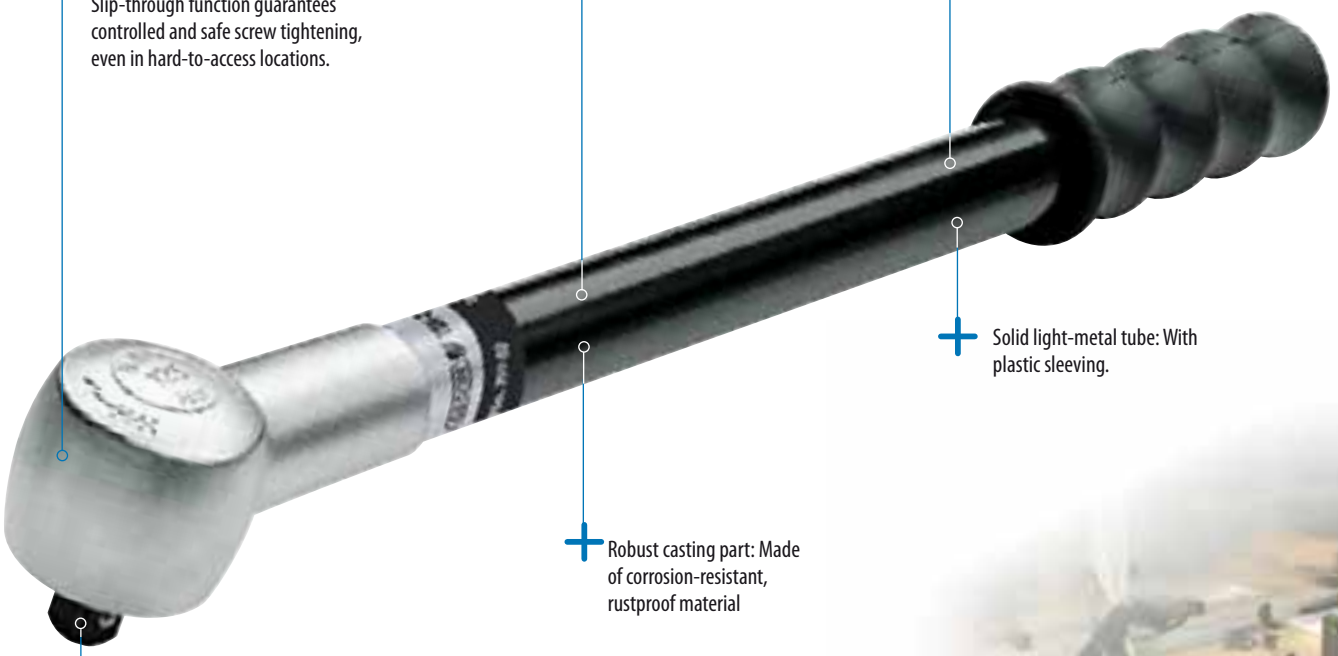
TSN SLIPPER

**Pre-set ratchet head torque wrench with automatic actuation and slip function.
Over-tightening is not possible.**

Integrated ratchet function:
Particularly dependable ratchet having
36 teeth (759-00/-01) or
48 teeth (759-02/-03).
Slip-through function guarantees
controlled and safe screw tightening,
even in hard-to-access locations.

High repeatability: Guarantees constant tightening torques.

Rubber handgrip: Ergonomic and pleasant to hold in your hand. Prevents slipping.



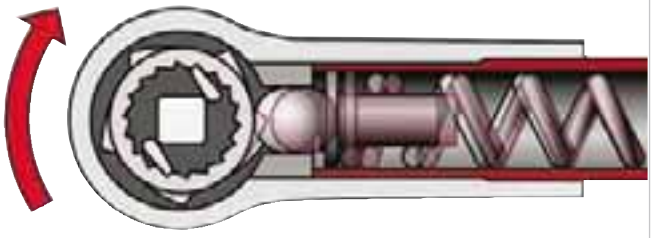
Solid light-metal tube: With plastic sleeving.

Robust casting part: Made of corrosion-resistant, rustproof material

Output square drive: Made of quality steel with ball-locking mechanism

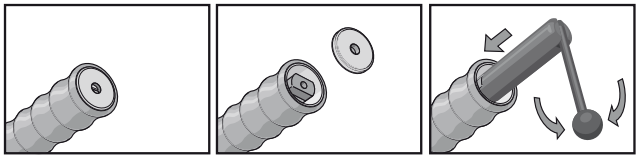
TSN SLIPPER
Working principle

When the pre-set torque value is achieved, the mechanism slips through over the ball (without the possibility of over-tightening). The torque wrench is then immediately ready for the next operation.



TSN SLIPPER TBN BREAKER
Technical information

All TSN SLIPPER and TBN BREAKER torque wrenches (apart from 760-00/-01) are fitted with the patented "Mechanical Torque Adjustment Locking Device" to modify torque tester.



TORQUE WRENCH TSN SLIPPER 5-125 N·m / pre-set

Use:

- Controlled screw tightening in the range 5 - 125 N·m
- Serial / production-line assembling
- Extremely long-term work

Features:

- Pre-set production torque wrench - without scale
- 1/4", 3/8" or 1/2" square drive with ball locking device
- With integrated ratchet-function for controlled clockwise tightening
- Working accuracy: +/- 4 % tolerance of the set torque
- Acc. to DIN EN ISO 6789, traceable to national standards
- Precision mechanism slips very noticeably and audibly ("click") when the pre-set value is achieved - over-tightening is not possible
- Automatic resetting to the starting position
- Lightweight yet robust and corrosion-resistant construction design
- Very convenient non-slip rubber handgrip
- The pre-setting can be made at the factory or by the user on suitable torque testers
- If ordering, please specify the N·m value - if a factory pre-setting is desired (price on request)
- EPA-conformant (Electrostatic Protected Area), for use in sensitive electrostatic applications

Scope of delivery:

- Torque wrench type TSN SLIPPER
- Special adjusting key for changing the pre-set torque value
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging

- TSN SLIPPER - the pre-set production torque wrench (without scale).
- With this torque wrench, accidental adjustment while working is ruled out.
- The state-of-the-art lightweight production wrenches "slip" through as soon as the set torque is achieved.
- Over-tightening is impossible.
- The ideal torque tool for all jobs where for a longer time only one tightening torque value is required.
- The automatic resetting and integrated ratchet are the ideal assistance for working swiftly.

- TSNs for counter-clockwise tightening, bi-directional tightening without a ratchet-function or as a VDE-Wrench can be manufactured specially - on request.

■ "	■	N·m	⊢ mm ⊣	Cams per turn	kg	Code	No.
1/4	6.3	5-25	216	10	0.340	**7091900**	759-00
3/8	10.0	5-25	216	10	0.340	**7092040**	759-01
3/8	10.0	15-55	324	10	0.800	**7092120**	759-02
1/2	12.5	40-125	460	8	1.360	**7092200**	759-03

TBN BREAKER

Pre-set torque wrench with automatic snap actuation. Torque wrench offering maximum accuracy. Guaranteed tightening values without over-tightening.

Drive: 16 mm spigot end or 9x12 mm rectangular cavity made of quality steel with pin-locking mechanism

Breaking: All TBN breaking torque wrenches break by 20° at the pivot point when the set torque is achieved.
The models 760-00/-01 can also be set to a breaking angle of 90°.

Patented mechanism: Guarantees a long product lifespan with guaranteed accuracy values

Lightweight steel tube: Firm, solid, and free of corrosion

Rubber handgrip: Ergonomic and pleasant to hold in your hand. Prevents slipping.

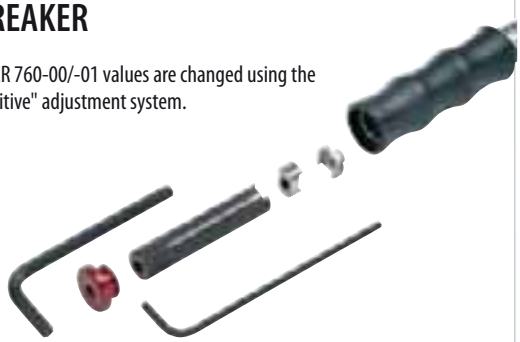
TBN Knicker
16
5 - 135 N·m

TBN Knicker
9x12
0,2 - 135 N·m

As an option, we also manufacture the TBN BREAKER models 760-00/-01 with interchangeable fittings directly positioned on the tool.

TBN BREAKER

TBN BREAKER 760-00/-01 values are changed using the "Double Positive" adjustment system.



TBN BREAKER Working principle

When the TBN breaking torque wrench is operated, the rear section of the driver unit presses the roller. When the pre-set torque value is achieved, the lever switches over and the front section of the drive unit breaks.

BREAKING TORQUE WRENCH TBN 0.4-135 N·m / 1.8-1195 lbf·in / pre-set

16

9x12

Use:

- Controlled screw tightening in the range 0.4 - 135 N·m
- Serial / production-line assembling
- Extremely long-term work

Features:

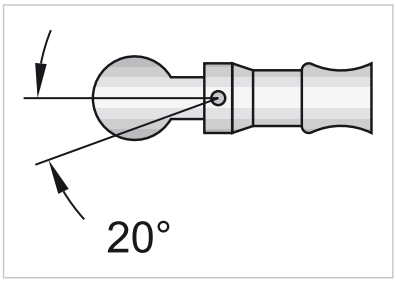
- Pre-set production torque wrench - without scale
- With 9x12 mm rectangular-cavity-end or 16 mm spigot-end
- For bi-directional tightening (the wrench only has to be turned by 180°!)
- Working accuracy: +/- 4 % tolerance of the set torque
- Acc. to DIN EN ISO 6789, traceable to national standards
- Breaking of the handgrip by 20° (90° also possible in the case of no. 760-00/-01) when the pre-set torque value is achieved makes over-tightening unlikely
- Automatic resetting to the starting position
- Lightweight yet robust and corrosion-resistant construction design
- Very convenient non-slip rubber handgrip
- **No. 760-00/-01: EPA (Electrostatic Protected Area) compliant**
- The pre-setting can be made at the factory or by the user on suitable torque testers
- If ordering, please specify the N·m value - if a fixed factory pre-setting is desired (price on request)

Scope of delivery:

- TBN breaking torque wrench
- Adjusting tool for changing the pre-set torque value
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging

± 4 %

± 6 %



- TBN breaking torque wrench - the pre-set production torque wrench (without scale).
- With this torque wrench, accidental adjustment while working is ruled out.
- The state-of-the-art lightweight production wrenches "break" as soon as the set torque is achieved.
- Over-tightening is unlikely.
- The ideal torque tool for all jobs where for a longer time only one tightening torque value is required.
- For this reason, it is optimally suited for large series.
- However, the TBN breaking torque wrench is also ideal when varying tightening values are required.

mm	Ø	EPA	N·m	lbf·in	mm	kg	Code	No.
9 x 12		x	0,4-2,0	1,8-18	105	0.110	**7090690**	760-00
9 x 12		x	1-10	9-89	105	0.130	**7090770**	760-01
	16		5-25	44-221	265	0.405	**1824686**	760-30
9 x 12			5-25	44-221	265	0.405	**1824694**	760-35
	16		10-65	89-575	302	0.745	**1824708**	760-40
9 x 12			10-65	89-575	302	0.745	**1824716**	760-45
	16		25-135	177-1195	408	1.027	**1824724**	760-50
9 x 12			25-135	177-1195	408	0.830	**7092630**	760-11

ATB

ADJUSTABLE BREAKING WRENCH

- With 9x12 mm rectangular-cavity-end or 1/4", 3/8" or 1/2" square drive (model-dependent)
- With micrometre scale, which allows quick and precise adjustment of the desired value
- With adjuster lock that prevents accidental adjustment during use
- Working accuracy: +/- 6 % (ATBSE), +/- 4 % (ATBK)
- Breaking of the handgrip by 20 degrees when the pre-set torque value is achieved makes over-tightening unlikely
- Classified to DIN EN ISO 6789:2003 Type II Class A

□ mm	cN·m	N·m	⊢ mm ⊣	kg	Code	No.
9 x 12	50-250		200	0.280	**2839628**	ATBSE 2,5
9 x 12		1-5	230	0.310	**2839636**	ATBSE 5
9 x 12		2-10	230	1.110	**2839644**	ATBSE 10

■ "	■	N·m	⊢ mm ⊣	kg	Code	No.
1/4	6.3	5-25	345	1.110	**2839652**	ATBK 25D
3/8	10.0	5-25	345	1.120	**2839660**	ATBK 25A
3/8	10.0	10-50	365	1.140	**2839679**	ATBK 50
1/2	12.5	20-100	411	1.300	**2839687**	ATBK 100

TORQUE WRENCH TYPE 88

8800

TORQUE WRENCH TYPE 88 100-1500 N·m / 70-1000 lbf·ft

Use:

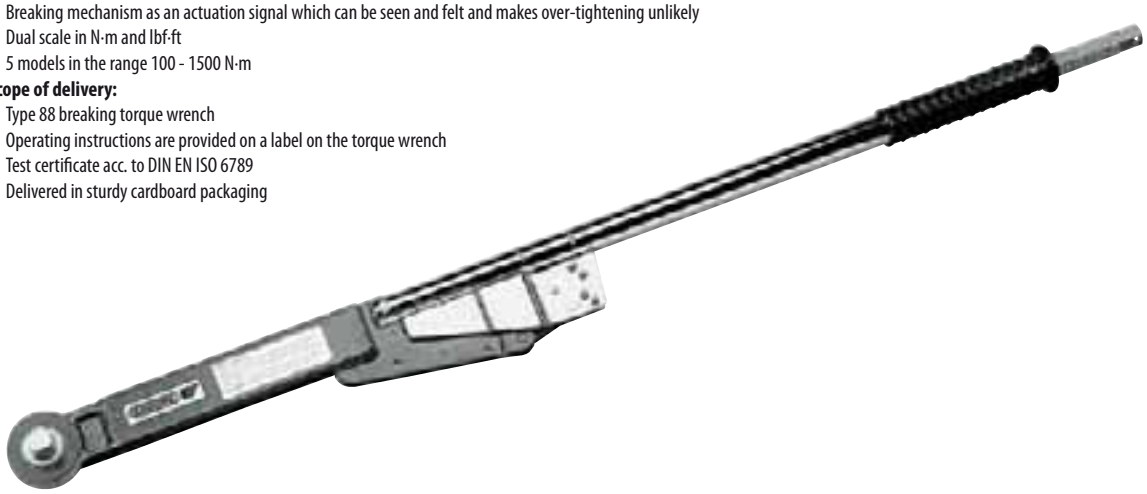
- Controlled screw tightening in the range 100 - 1500 N·m
- Industry and vehicle sector (lorries, industrial vehicles), machine maintenance

Features:

- Adjustable torque wrench - with scale
- 3/4"square drive with integrated ratchet-function or 22 mm spigot-end
- Suitable for bi-directional tightening on account of push-through square drive
- Working accuracy: +/- 4 % tolerance of the value setting
- Acc. to DIN EN ISO 6789, traceable to national standards
- Breaking mechanism as an actuation signal which can be seen and felt and makes over-tightening unlikely
- Dual scale in N·m and lbf·ft
- 5 models in the range 100 - 1500 N·m

Scope of delivery:

- Type 88 breaking torque wrench
- Operating instructions are provided on a label on the torque wrench
- Test certificate acc. to DIN EN ISO 6789
- Delivered in sturdy cardboard packaging



■ "	■	Ø	N·m	lbf·ft	⊢ mm ⊣		kg	Code	No.
3/4	20		100-500	70-350	915	10 N·m	5.5	**7715700**	8800-01
3/4	20		150-700	100-500	1090	10 N·m	6.0	**7715890**	8800-02
3/4	20		300-1000	200-750	1470	20 N·m	7.3	**7716000**	8800-03
3/4	20		700-1500	500-1000	1470	25 N·m	10.5	**7716190**	8800-04
		22	130-550	100-400	915	10 N·m	4.8	**7716270**	8800-06

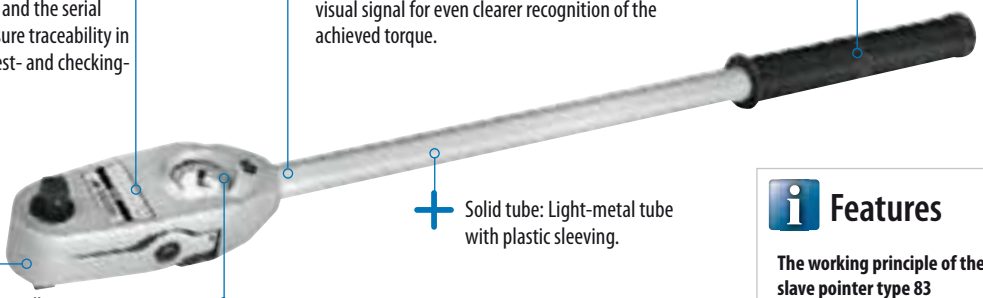
Torque wrenches with slave pointer

Ideal for test, control and maintenance work

Clear product identification: Provided by the type plate/lable. The article number and the serial number always ensure traceability in the scope of your test- and checking-tool management.

Audio-visual signal: Standard feature or else optionally: All models are available with an audio-visual signal for even clearer recognition of the achieved torque.

Practical handgrip: Handgrip shaped in accordance with the most recent ergonomic findings. Resistant to grease and oil.



Solid tube: Light-metal tube with plastic sleeving.

Integrated ratchet spindle: With double square drive enables high-speed bi-directional tightening.

Dual scale: N·m and lbf·in/lbf·ft with main and slave pointers, protected by a strong window made of Trogamid "T".

Features

The working principle of the torque wrench with slave pointer type 83

8301 - 8305

TORQUE WRENCH WITH SLAVE POINTER TYPE 83 0.8-2000 N·m / 7 lbf·in - 1500 lbf·ft

6,3 1/4" 10 3/8" 12,5 1/2" 20 3/4" 25 1"

Use:

- Controlled tightening and verification of tightening values
- For use in all areas of industrial manufacturing and in quality control
- Working ranges of 0.8 to 2000 N·m are covered

Features:

- Dial-indicating torque wrench with dual scale and multi-functional slave pointer
- 1/4", 3/8", 1/2", 3/4" or 1" double-square drive with ball locking device
- With integrated ratchet-function for controlled bi-directional tightening
- For controlled screw tightening and torque measurements
- Working accuracy: +/- 4 % tolerance of the indicated torque
- Acc. to DIN EN ISO 6789, traceable to national standards
- With dual scale in N·m and lbf·in or lbf·ft double-tinted clearly readable face
- Integrated overload protection - mechanical stop up to max. 25 % overload of the maximum value
- Housing made of lightweight, robust special aluminium construction - lacquered, silver-grey
- Black, non-slip rubber handgrips
- 10 models in the range 0.8 - 2000 N·m
- Models 8301-04 to 8301-40: **EPA-conformant (Electrostatic Protected Area), for use in sensitive electrostatic applications**
- Audio-visual signal is standard on models 8303-40 to 8305-20

Scope of delivery:

- Dial-measuring torque wrench type 83
- Battery for models having audio-visual signal
- Test certificate acc. to DIN EN ISO 6789
- Delivered in a sturdy black plastic box (no. 8301-04 to 8302-20), otherwise in sturdy cardboard packaging (no. 8303-40 to 8305-20)

± 4 %

Type	■ "	■	EPA	N·m	lbf·in	lbf·ft	mm	Height	Signal	kg	Code	No.
	1/4	6.3	x	0,8-4	7-35		244	61	optional	0.500	**7651390**	8301-04
	1/4	6.3	x	2,4-12	21-105		244	61	optional	0.500	**7651470**	8301-12
	3/8	10.0	x	5-25	44-220		244	69	optional	0.500	**7651550**	8301-25
	3/8	10.0	x	8-40	72-360		244	69	optional	0.500	**7651630**	8301-40
	1/2	12.5		16-80		12-60	435	86	optional	1.350	**7651710**	8302-08
	1/2	12.5		40-200		30-160	515	86	optional	1.400	**7651980**	8302-20
	3/4	20.0		80-400		60-300	710	111	standard	3.150	**7652280**	8303-40
	3/4	20.0		160-800		120-600	1000	123	standard	4.850	**7652010**	8304-80
	1	25.0		280-1400		200-1000	2040	138	standard	16.690	**1196790**	8305-14
	1	25.0		400-2000		300-1500	2040	138	standard	16.690	**1196804**	8305-20

ET2SA

ELECTRONIC TORQUE WRENCH E-TORC with rotary angle measurement

6,3 | 1/4" | 12,5 | 1/2" | 9x12 | 14x18 | 22 | 28 | ± 1 %

Tightening check for torque/rotary angle:
- Optical, acoustic and sensory signalling on reaching the set bolting parameter/with additional visualisation of screw tightening by means of LED progress bar.
- Software-enabling graphics evaluation.
- Marked contrast graphics display with backdrop lighting

Drive:
- Spigot end 22/28 mm, 1/4" square drive or 9x12/14x18 mm rectangular cavity with pin-locking mechanism. The installation size determines the drive.
- ET2SKA 150 and ET2SKA 300 incl. 1/2" rectangular reversible ratchet head
- For hard-to-access places and given not enough room.
- Special tools on request.

Light and pleasant:
- The aluminium housing and ergonomic handle ensure easy, safe handling - even with large tightening torques.
- Tool holding fixture, as from ET2SKA 150 120° rotatable to the aluminium housing

Function keys:
- Easy to use
- Key pressure taring
- Side ergonomic operating key
- Convertible from N·m to lbf·ft via software

Fields of operation:
- Mini-batch assembly
- Quality assurance
- Test labs and testing departments
- Emergency strategies for bolting stations
- Corrective work places
- Inspection and analysis of bolted connections

Version:
- Large field of operation 2-1000 N·m
- Tool holding fixture 1/4" square, 9x12, 14x18 rectangular cavity with pin-locking mechanism, 22 and 28 mm spigot end
- Signalling: visual (LED progress bar), acoustic (beep), sensory (vibration)
- Tool holding fixture, as of ET2SKA 150 120° rotatable to the aluminium housing
- Traceable to national standards
- Torque reading precision +/- 1 %, +/- 1 digit from reading figure
- Factory certificate as per DIN ISO 6789 Type I Class C
- Optional certificate as per DAkkS-DKD-R 3-7
- Rotary angle calibration based on VDI 2648 Sheet 2
- Key pressure taring
- Side ergonomic operating key
- Backlit graphic display
- Input of depth gauges for a variety of attachment tools
- Power supply: Battery or rechargeable battery operation

Evaluation:
- Reading a max. 2,000 data records
- Serial interface RS232 for PC (USB adapter enclosed)
- Comprehensive documentation of all screw parameters
- Flowchart with 100 screw parameters
- Curve memory (50 curves for each 100 values/sec.)

Scope of delivery:
- Electronic torque wrench Etorc2S/A
- Operating instructions with brief guide
- Test certificate acc. to DIN EN ISO 6789:2003 Type I Class C
- 2 standard Mignon AA batteries
- Evaluating software and data transmission cable RS232 and USB
- ET2SKA 150 and ET2SKA 300 incl. 1/2" rectangular reversible ratchet head
- Delivered in a robust sheet-metal case with insert

■"	■	□mm	Ø	N·m	lbf·ft	lw	a	b	c	d	kg	Code	No.
1/4	6.3			2-25	1,5-18	275	35	45		347	0.8	**2795493**	ET2SKA 25
1/2	12.5	9 x 12		10-150	7-111	457	35	45	17.5	514	1.3	**2795612**	ET2SKA 150
1/2	12.5	14 x 18		30-300	22-221	696	35	45	25.0	753	1.8	**2795620**	ET2SKA 300
			22	100-600	74-443	990	35	45	56.0	1055	3.2	**2795639**	ET2SZA 600
			28	100-1000	74-750	1423	40	45	75.0	1488	5.7	**2795655**	ET2SZA 1000

TT3KH

ELECTRONIC TORQUE WRENCH TORCOTRONIC III 10-350 N·m / 7.4-258.2 lbf·ft

12.5
½"
9x12
14x18
± 1 %

Use:
- For everyday requirements in installation and torque control
- For use in all areas of manufacturing and development

Features:
- Microprocessor-controlled, electronic torque wrench
- For controlled bi-directional tightening
- Acc. to DIN EN ISO 6789, traceable to national standards
- Robust workshop design
- Broad measurement range in N·m, can be switched to lbf·ft
- With 1/2" reversible ratchet. The ratchet is exchangeable, providing the option of using a 9x12 mm (TT3H 120) or 14x18 mm (TT3H 350) square socket

Characteristics:
- Torque and torque angle measure
- 5 different measuring modes
- 5 parameters storable
- USB interface for data exchange
- 2000 storage places
- Measurement accuracy torque +/- 1 %, +/- 1 digit
- Measurement accuracy torque angle +/- 1 %, but min. +/- 1° on 360° with min. 4°/sec
- Different depth gauges for end fittings programmable
- Simple to operate with easy to understand Icon-menu navigation and 4 functional keys
- Clearly readable, illuminated LCD display
- Resolution torque: 0.1 N·m
- Resolution torque angle: 0.1°
- PC-software easy to operate for uncomplicated programming and documentation of data
- Data can be transfered to MS Excel®
- Keyboard lock
- Operation with standard Mignon AA or optional with rechargeable-battery (NiMH)
- Visual signal: 3x LED (yellow, green, red)
- Acoustic signal: buzzer
- TÜV certified, CE and RoHS
- 2 models in the range 10 - 350 N·m
- Test certificate acc. to DIN EN ISO 6789:2003 Type I Class C
- Calibration to DAkkS-DKD-R 3-7, Class 1 (on request)

Scope of delivery:
- Electronic torque wrench TorcoTronic III HighLine
- Reversible ratchet 1/2"
- USB cable
- Software on CD-R
- Test certificate acc. to DIN EN ISO 6789:2003 Type I Class C
- Delivered in a transparent plastic box with insert

Attention:
- A PC, running a Windows® operating system (from Windows XP®) is required to obtain the full benefit of all the functions of this product.

■ "	■	□ mm	N·m	lbf·ft	kg	Code	No.
1/2	12.5	9 x 12	10-120	7,4-88,5	0.9	**2648636**	TT3KH 120
1/2	12.5	14 x 18	70-350	51,6-258,2	1.2	**2648644**	TT3KH 350

7112 - 7918 316 - 318

9x12
14x18

8612

ELECTRONIC TORQUE TESTER DREMOTEST E 0.2-3150 N·m / 1.8 lbf·in - 2323 lbf·ft

- For verifying and setting clockwise torque wrenches and torque screwdrivers in the range from 0.2 - 3150 N·m
- Simple, electronic torque tester with integrated torque transducer (DMS)
- With fixed hexagon female drive 1/4", 10, 17, 36, 46 mm or 1.1/2" square drive adaptor (model dependent)
- With 1/4", 3/8", 1/2", 3/4", 1" square drive adaptor or bit adaptor (model dependent)
- High measurement accuracy: +/- 1 % tolerance of reading, +/- 1 digit
- Break-Point-measurement (1st peak)
- Autoreset
- Can be switched from N·m to lbf·ft
- Serial interface RS232
- Optionally available: adaptor for cigarette lighter socket (12 V), no. 8612-390

1/4" 6,3
3/8" 10
1/2" 12,5
3/4" 20
1" 25
1 1/2" 40

± 1 %

8612-300

8612-3150

N·m	lbf·in	lbf·ft	⬡	□	Resolution	Adaptor □	kg	Code	No.
0,2-12	1,8-106		6.3		0,001	1/4", 3/8"	3.0	**2288311**	8612-012
0,9-55		0,7-40,6	10.0		0,01	1/4", 3/8"	3.0	**1947699**	8612-050
9-320		7-236	17.0		0,1	3/8", 1/2"	3.0	**1856111**	8612-300
90-1100		66-811	36.0		1	1/2", 3/4"	10.0	**1947702**	8612-1000
500-3150		369-2323		40	1	1"	26.0	**2529858**	8612-3150

Optional accessories:

Description	kg	Code	No.
Adaptor for cigarette lighter socket	0.2	**1878719**	8612-390

ETP

ELECTRONIC TORSION TEST DEVICE

- For testing, and verifying clockwise and anti-clockwise torque wrenches in the range of 0.5 to 3150 N·m
- Vertical and horizontal testing according to DIN EN ISO 6789
- Electronic torque tester integrated with measurement electronics
- Robust housing from aluminium cast with separate or detachable operating display
- Serial interface RS232 for PC
- Traceable to national standards
- ETP 15 with integrated overload protection and tool for manual resetting after unintended overload
- Torque reading precision +/- 1 %, +/- 1 digit from reading figure
- Factory certificate based on VDI 2646
- Optional certificate as per DAkkS-DKD-R 3-8
- A large LC graphic display
- Wide measuring range in N·m, can be switched to cN·m, lbf·ft or lbf·in (model dependant)
- Power supply unit with EURO plug
- Accessories: Operating display, display holder incl. cable, software incl. connection cable for PC

6,3 1/4" | 10 3/8" | 12,5 1/2" | 20 3/4" | 25 1"

± 1 %

ETP 15 ETP 15 ETP 100 ETP 500 ETP 1000

□"	□	N·m	lbf·ft	Resolution	Adaptor	kg	Code	No.
1/4	6.3	0,5-15	0,4-11	0,001 N·m	-	4.8	**2795663**	ETP 15
1/2	12.5	4-100	3-74	0,01 N·m	1/4", 3/8"	10.0	**2795701**	ETP 100
3/4	20.0	20-500	14,8-369	0,1 N·m	3/8", 1/2"	10.3	**2795728**	ETP 500
3/4	20.0	50-1000	36,9-737,6	0,1 N·m	3/8", 1/2"	10.3	**2795868**	ETP 1000
1.1/2	40.0	300-3150	221-2323	1,0 N·m	3/4", 1"	26.8	**2795884**	ETP 3150

ETPG

BASIC HOUSING

- From aluminium cast (except ETP3150)
- Serial interface RS232 for PC
- Traceable to national standards with factory certificate
- High measurement accuracy: +/- 1 % tolerance of reading, +/- 1 digit
- ETPG 15 with integrated overload protection and tool for manual resetting after unintended overload
- Wide measuring range in N·m, can be switched to cN·m, lbf·ft or lbf·in
- Power supply unit with EURO plug

± 1 %

6,3 1/4" | 10 3/8" | 12,5 1/2" | 20 3/4" | 25 1"

□"	□	N·m	lbf·ft	Resolution	Adaptor	kg	Code	No.
1/4	6.3	0,5-15	0,4-11	0,001 N·m	-	4.0	**2795892**	ETPG 15
1/2	12.5	4-100	3-74	0,01 N·m	1/4", 3/8"	9.2	**2795906**	ETPG 100
3/4	20.0	20-500	14,8-369	0,1 N·m	3/8", 1/2"	9.5	**2795914**	ETPG 500
3/4	20.0	50-1000	36,9-737,6	0,1 N·m	3/8", 1/2"	9.5	**2795930**	ETPG 1000
1.1/2	40.0	300-3150	221-2323	1,0 N·m	3/4", 1"	26.0	**2795957**	ETPG 3150

ACCESSORIES

END FITTINGS 16 Z

8791 (MM)

OPEN END FITTING 16 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking

mm	mm	mm	Depth gauge	Ø	kg	Code	No.
7	5	20.5	32	16	0.080	**7774470**	8791-07
8	5	20.5	32	16	0.080	**7774550**	8791-08
9	5	20.5	32	16	0.080	**7774630**	8791-09
10	7	29.0	32	16	0.090	**7710070**	8791-10
11	7	29.0	32	16	0.090	**7710150**	8791-11
12	7	29.0	32	16	0.090	**7676890**	8791-12
13	8	34.5	32	16	0.120	**7710230**	8791-13
14	8	34.5	32	16	0.120	**7710310**	8791-14
15	8	34.5	32	16	0.120	**7710580**	8791-15
16	9	41.5	32	16	0.160	**7710660**	8791-16
17	9	41.5	32	16	0.160	**7710740**	8791-17
18	9	41.5	32	16	0.160	**7676970**	8791-18
19	10	45.0	32	16	0.180	**7710820**	8791-19
20	10	45.0	32	16	0.180	**7710900**	8791-20
21	10	45.0	32	16	0.180	**7677000**	8791-21
22	11	56.0	32	16	0.220	**7711040**	8791-22
23	11	56.0	32	16	0.220	**1977164**	8791-23
24	11	56.0	32	16	0.220	**7711120**	8791-24
25	11	56.0	32	16	0.220	**1552279**	8791-25
26	11	56.0	32	16	0.220	**1552287**	8791-26
27	12	60.5	32	16	0.260	**7711200**	8791-27
28	12	68.0	32	16	0.300	**1207008**	8791-28
29	12	68.0	32	16	0.300	**1552309**	8791-29
30	12	68.0	32	16	0.300	**7774710**	8791-30
32	12	68.0	32	16	0.300	**7774980**	8791-32
36	12	68.0	32	16	0.300	**1552317**	8791-36

8754

RATCHET HEAD 16 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject pin for unlocking

"		Type	Depth gauge	Ø	kg	Code	No.
3/8	10.0		32	16	0.170	**7711980**	8754-01
1/2	12.5		32	16	0.270	**7712010**	8754-02

- Max. continuous load of ratchet according to DIN EN ISO 6789:2003 and/or maximum load of cavity

No.	Continuous load
8754-01	3/8" = 135 N·m
8754-02	1/2" = 340 N·m

8791 (AF)

OPEN END FITTING 16 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking

"AF	mm	mm	Depth gauge	Ø	kg	Code	No.
1/4	5	20.5	32	16	0.090	**1211421**	8791-1/4AF
5/16	5	20.5	32	16	0.080	**7720030**	8791-5/16AF
3/8	7	29.0	32	16	0.090	**1211447**	8791-3/8AF
7/16	7	29.0	32	16	0.090	**7720110**	8791-7/16AF
1/2	8	34.5	32	16	0.090	**7720380**	8791-1/2AF
9/16	8	34.5	32	16	0.120	**7720460**	8791-9/16AF
5/8	9	41.5	32	16	0.160	**7720540**	8791-5/8AF
11/16	9	41.5	32	16	0.160	**7720620**	8791-11/16AF
3/4	10	45.0	32	16	0.180	**7720700**	8791-3/4AF
13/16	10	45.0	32	16	0.090	**1211439**	8791-13/16AF
7/8	10	45.0	32	16	0.220	**7720890**	8791-7/8AF
15/16	11	56.0	32	16	0.220	**7720970**	8791-15/16AF
1	11	56.0	32	16	0.220	**7721000**	8791-1AF
1.1/16	12	60.5	32	16	0.260	**7721190**	8791-1.1/16AF
1.1/8	12	68.0	32	16	0.300	**7721270**	8791-1.1/8AF
1.3/16	12	68.0	32	16	0.300	**7776170**	8791-1.3/16AF
1.1/4	12	68.0	32	16	0.300	**7776250**	8791-1.1/4AF
1.5/16	12	68.0	32	16	0.300	**7776330**	8791-1.5/16AF

8790 - 8793

FIXED SQUARE HEAD 16 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject pin for unlocking

"		Type	Depth gauge	Ø	kg	Code	No.
3/8	10.0		32	16	0.350	**7709490**	8790-00
1/2	12.5		32	16	0.380	**7709570**	8793-00

- Max. continuous load of ratchet according to DIN EN ISO 6789:2003 and/or maximum load of cavity

No.	Continuous load
8790-00	3/8" = 135 N·m
8793-00	1/2" = 340 N·m

www.gedore.com

8792 (MM)

RING END FITTING 16 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking

mm	mm	mm	Depth gauge	Ø	kg	Code	No.
7	8	15.0	32	16	0.090	**7775010**	8792-07
8	8	15.0	32	16	0.090	**7775280**	8792-08
9	8	15.0	32	16	0.090	**7775360**	8792-09
10	10	19.5	32	16	0.100	**7712600**	8792-10
11	10	19.5	32	16	0.100	**7712790**	8792-11
12	10	19.5	32	16	0.100	**7677190**	8792-12
13	12	23.5	32	16	0.140	**7712870**	8792-13
14	12	23.5	32	16	0.140	**7712950**	8792-14
15	12	23.5	32	16	0.140	**7713090**	8792-15
16	13	28.5	32	16	0.180	**7713170**	8792-16
17	13	28.5	32	16	0.180	**7713250**	8792-17
18	13	28.5	32	16	0.180	**7677270**	8792-18
19	14	31.5	32	16	0.210	**7713330**	8792-19
20	14	31.5	32	16	0.210	**7713410**	8792-20
21	14	31.5	32	16	0.210	**7677350**	8792-21
22	15	39.5	32	16	0.260	**7713680**	8792-22
23	15	39.5	32	16	0.270	**1211471**	8792-23
24	15	39.5	32	16	0.260	**7713760**	8792-24
27	16	41.5	32	16	0.300	**7713840**	8792-27

8756

END FITTING INBUS® 16 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking
- INBUS® = reg. trademark of Ruia Global Fasteners AG, 41462 Neuss, Germany

mm	Depth gauge	Ø	kg	Code	No.
3	32	16	0.100	**7773740**	8756-03
4	32	16	0.100	**7773820**	8756-04
5	32	16	0.100	**7773900**	8756-05
6	32	16	0.100	**7774040**	8756-06
8	36	16	0.110	**7774120**	8756-08

DREMOMETER Z 280

8792 (AF)

RING END FITTING 16 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking

"AF	mm	mm	Depth gauge	Ø	kg	Code	No.
1/4	8	15.0	32	16	0.100	**1211455**	8792-1/4AF
5/16	8	15.0	32	16	0.090	**7721350**	8792-5/16AF
3/8	10	19.5	32	16	0.100	**1211498**	8792-3/8AF
7/16	10	19.5	32	16	0.100	**7721430**	8792-7/16AF
1/2	12	23.5	32	16	0.100	**7721510**	8792-1/2AF
9/16	12	23.5	32	16	0.140	**7721780**	8792-9/16AF
5/8	13	28.5	32	16	0.140	**7721860**	8792-5/8AF
11/16	13	28.5	32	16	0.180	**7721940**	8792-11/16AF
3/4	14	31.5	32	16	0.210	**7722080**	8792-3/4AF
13/16	14	31.5	32	16	0.100	**1211463**	8792-13/16AF
7/8	15	39.5	32	16	0.260	**7722160**	8792-7/8AF
15/16	15	39.5	32	16	0.260	**7722240**	8792-15/16AF
1	15	39.5	32	16	0.300	**7722320**	8792-1AF
1.1/16	16	41.5	32	16	0.300	**7722400**	8792-1.1/16AF

8797

FLARED END FITTING 16 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking

mm	mm	mm	max. N·m	Opening width	Depth gauge	Ø	kg	Code	No.
7	8.0	15.0	7.0	5.5	32	16	0.090	**1211587**	8797-07
8	8.0	15.0	6.5	6.0	32	16	0.090	**1211595**	8797-08
9	8.0	15.0	5.5	6.5	32	16	0.090	**1211609**	8797-09
10	10.0	19.5	26.0	7.0	32	16	0.100	**1211625**	8797-10
11	10.0	19.5	19.0	8.5	32	16	0.100	**1211633**	8797-11
12	10.0	19.5	13.0	9.0	32	16	0.120	**1211641**	8797-12
13	12.0	23.5	34.0	10.0	32	16	0.140	**1211668**	8797-13
14	12.0	23.5	24.0	11.2	32	16	0.140	**7664290**	8797-14
15	12.0	23.5	18.0	12.0	32	16	0.140	**1211684**	8797-15
16	13.0	28.5	66.0	13.0	32	16	0.180	**1211692**	8797-16
17	13.0	28.5	56.0	14.0	32	16	0.180	**1211706**	8797-17
18	13.0	28.5	45.0	14.5	32	16	0.200	**1211714**	8797-18
19	14.0	31.5	80.0	15.0	32	16	0.210	**1211722**	8797-19
20	14.0	31.5	60.0	16.0	32	16	0.210	**1211731**	8797-20
21	14.0	31.5	43.0	16.5	32	16	0.210	**1211749**	8797-21
22	15.0	39.5	172.0	17.0	32	16	0.260	**1211757**	8797-22
24	15.0	39.5	118.0	18.0	32	16	0.260	**1211773**	8797-24
27	16.0	41.5	76.0	20.0	32	16	0.300	**1211781**	8797-27

END FITTINGS 22 Z

8795

OPEN END FITTING 22 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking

mm	mm	mm	Depth gauge	Ø	kg	Code	No.
22	11	52.0	56	22	0.330	**7707010**	8795-22
24	11	52.0	56	22	0.320	**7707280**	8795-24
27	12	64.0	56	22	0.380	**7707360**	8795-27
30	12	64.0	56	22	0.370	**7707440**	8795-30
32	12	75.5	56	22	0.450	**7707520**	8795-32
34	12	75.5	56	22	0.430	**7677430**	8795-34
36	12	75.5	56	22	0.430	**7707600**	8795-36
41	12	94.0	56	22	0.580	**7707790**	8795-41
46	12	94.0	56	22	0.530	**7707870**	8795-46

8796

RING END FITTING 22 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking

mm	mm	mm	Depth gauge	Ø	kg	Code	No.
22	15	38.0	56	22	0.350	**7707950**	8796-22
24	15	38.0	56	22	0.330	**7708090**	8796-24
27	17	46.5	56	22	0.370	**7708170**	8796-27
30	17	46.5	56	22	0.350	**7708250**	8796-30
32	20	55.0	56	22	0.420	**7708330**	8796-32
34	20	55.0	56	22	0.420	**7677510**	8796-34
36	20	55.0	56	22	0.390	**7708410**	8796-36
41	22	72.0	56	22	0.560	**7708680**	8796-41
46	22	72.0	56	22	0.520	**7708760**	8796-46

GEDORE INDIVIDUAL ... CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

8794

FIXED SQUARE HEAD / RATCHET HEAD 22 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking

"		Type	Depth gauge	Ø	kg	Code	No.
3/4	20		56	22	0.610	**7708840**	8794-00
3/4	20		56	22	0.950	**1427318**	8794-03

- Max. continuous load of ratchet according to DIN EN ISO 6789:2003 and/or maximum load of cavity

No.	Continuous load
8794-00	3/4" = 850 N·m
8794-03	3/4" = 850 N·m

END FITTINGS 28 Z

8799

RING END FITTING 28 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Chrome-vanadium steel, matt chrome-plated
- With catch retention
- Special sizes available on request

mm	mm	mm	Depth gauge	Ø	kg	Code	No.
36	19.5	60.0	75	28	1.600	**1565494**	8799-36
41	20.5	66.0	75	28	1.800	**1565508**	8799-41
46	22.5	75.0	75	28	2.100	**1565516**	8799-46
50	23.5	80.0	75	28	2.200	**1565524**	8799-50
55	25.0	87.5	75	28	2.400	**1565532**	8799-55
60	26.0	93.5	75	28	2.500	**1565540**	8799-60
65	29.0	101.0	75	28	2.900	**1565559**	8799-65
70	32.5	109.5	75	28	2.000	**1565567**	8799-70
75	34.0	116.5	100	28	4.500	**1565575**	8799-75
80	35.0	123.0	100	28	4.800	**1565583**	8799-80

8798

OPEN END FITTING 28 Z

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Chrome-vanadium steel, matt chrome-plated
- With catch retention
- Special sizes available on request

mm	mm	mm	Depth gauge	Ø	kg	Code	No.
36	18.0	77.5	75	28	1.900	**1565346**	8798-36
41	19.5	89.0	75	28	1.900	**1565354**	8798-41
46	20.0	99.0	75	28	1.900	**1565362**	8798-46
50	21.5	108.0	75	28	1.900	**1565370**	8798-50
55	24.5	118.5	75	28	2.100	**1565389**	8798-55
60	24.5	129.5	75	28	2.100	**1565397**	8798-60
65	28.0	140.5	75	28	2.400	**1565400**	8798-65
70	30.0	151.0	75	28	2.900	**1565419**	8798-70
75	31.5	163.0	100	28	4.000	**1565427**	8798-75

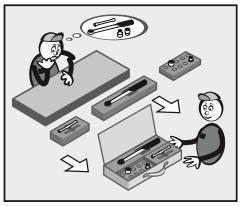
8794

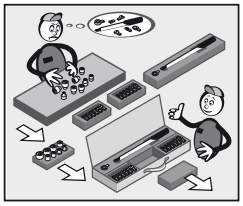
RATCHET HEAD 28 Z

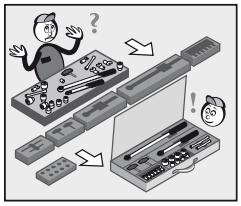
- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Chrome-vanadium steel, matt chrome-plated
- With catch retention
- Max. continuous load of coupler according to DIN EN ISO 6789:2003 and/or maximum support load: 1000 N·m

Ø	Type	" inch		Depth gauge	kg	Code	No.
28		3/4	20	75	1.800	**1566032**	8794-05

Module Systems - Flexibility with flair







- The module system adapts itself exactly to your wishes and requirements. At last, you can assemble your sets completely individually. Exactly and only using the tools you actually need. For every need, our system provides you with the perfect solution. Whether you chose a standard or an individual solution, your DREMASTER®/TORCOFIX torque wrenches with or without accessories, are always stored and transported professionally by virtue of the modular system design.
- Your set is flexibly alterable and extendible at all times. Just replace or add modules. The modules themselves are delivered with dummy plugs. Simply remove the plugs from the nest-holes you wish to load with your tools or accessory units. The remaining nest-holes remain closed - that's what we call neat.
- You tell us which tools you would like to combine into a set and we will then take care of the rest and you will get your desired set without delay. Finished and ready!

END FITTINGS 9X12 SE

7112

RECTANGULAR OPEN END FITTING 9x12

9x12

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking

mm	mm	mm	Depth gauge	mm	kg	Code	No.
7	5.0	22.0	17.5	9 x 12	0.035	**7688390**	7112-07
8	5.0	22.0	17.5	9 x 12	0.035	**7688550**	7112-08
9	5.5	26.0	17.5	9 x 12	0.035	**7679050**	7112-09
10	5.5	26.0	17.5	9 x 12	0.040	**7688630**	7112-10
11	5.5	26.0	17.5	9 x 12	0.030	**7688980**	7112-11
12	7.0	30.0	17.5	9 x 12	0.035	**7679560**	7112-12
13	7.0	30.0	17.5	9 x 12	0.035	**7689010**	7112-13
14	8.0	35.0	17.5	9 x 12	0.040	**7689360**	7112-14
15	8.0	35.0	17.5	9 x 12	0.040	**7689440**	7112-15
16	8.5	38.0	20.0	9 x 12	0.045	**7679990**	7112-16
17	8.5	38.0	20.0	9 x 12	0.050	**7689600**	7112-17
18	9.0	42.0	20.0	9 x 12	0.060	**7684560**	7112-18
19	9.0	42.0	20.0	9 x 12	0.060	**7689790**	7112-19

7212

RECTANGULAR RING END FITTING 9x12

9x12

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking

mm	mm	mm	Depth gauge	mm	kg	Code	No.
7	8.0	13.0	17.5	9 x 12	0.030	**7691340**	7212-07
8	8.0	14.2	17.5	9 x 12	0.030	**7691420**	7212-08
10	9.0	17.2	17.5	9 x 12	0.030	**7691690**	7212-10
11	9.0	18.5	17.5	9 x 12	0.030	**7691770**	7212-11
12	12.0	20.0	17.5	9 x 12	0.035	**7677940**	7212-12
13	12.0	21.5	17.5	9 x 12	0.035	**7691930**	7212-13
14	12.0	23.0	17.5	9 x 12	0.040	**7692230**	7212-14
15	12.0	24.2	17.5	9 x 12	0.040	**7692580**	7212-15
16	13.0	25.7	17.5	9 x 12	0.040	**7678080**	7212-16
17	13.0	27.0	17.5	9 x 12	0.040	**7692740**	7212-17
18	13.0	28.5	17.5	9 x 12	0.040	**7678160**	7212-18
19	13.0	30.3	17.5	9 x 12	0.040	**7692820**	7212-19
21	15.0	33.0	17.5	9 x 12	0.050	**7678240**	7212-21
22	15.0	34.5	17.5	9 x 12	0.050	**7693040**	7212-22

7312

RECTANGULAR FLARED END FITTING 9x12

9x12

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking

mm	mm	mm	Opening width	Depth gauge	mm	kg	Code	No.
10	12.0	22.0	7.0	17.5	9 x 12	0.040	**7685290**	7312-10
11	12.0	22.5	8.5	17.5	9 x 12	0.040	**7685370**	7312-11
12	12.0	23.7	9.0	17.5	9 x 12	0.040	**7699590**	7312-12
13	12.0	25.2	10.0	17.5	9 x 12	0.040	**7679210**	7312-13
14	12.0	27.0	11.2	17.5	9 x 12	0.050	**7679480**	7312-14
17	13.0	31.5	14.0	17.5	9 x 12	0.065	**7685880**	7312-17
18	15.0	33.0	14.5	17.5	9 x 12	0.065	**7679640**	7312-18
19	15.0	34.5	15.0	17.5	9 x 12	0.065	**7686260**	7312-19
22	15.0	39.0	17.0	20.0	9 x 12	0.065	**7679720**	7312-22

7412

RECTANGULAR REVERSIBLE RATCHET HEAD 9x12

9x12

6.3 1/4"
10 3/8"
12.5 1/2"

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking
- Fine-toothed
- Return angle 5 degrees

"		°	mm	mm	Depth gauge	mm	kg	Code	No.
1/4	6.3	5	14.0	22	17.5	9 x 12	0.060	**7672710**	7412-00
3/8	10.0	5	24.0	33	17.5	9 x 12	0.140	**7686500**	7412-01
1/2	12.5	5	28.3	33	17.5	9 x 12	0.150	**7687230**	7412-02

- Max. continuous load of ratchet according to DIN EN ISO 6789:2003 and/or maximum load of cavity

No.	Continuous load
7412-00	1/4" = 30 N·m
7412-01	3/8" = 135 N·m
7412-02	1/2" = 150 N·m

7612

RECTANGULAR FIXED SQUARE HEAD 9x12

9x12

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking

6,3 1/4" · 10 3/8" · 12,5 1/2"

"		mm	mm	Depth gauge	mm	kg	Code	No.
1/4	6.3	14.0	20.0	17.5	9 x 12	0.070	**7672630**	7612-00
3/8	10.0	14.0	22.0	17.5	9 x 12	0.070	**7679800**	7612-01
1/2	12.5	14.0	22.0	17.5	9 x 12	0.080	**7687900**	7612-02

- Max. continuous load of ratchet according to DIN EN ISO 6789:2003 and/or maximum load of cavity

No.	Continuous load
7612-00	1/4" = 30 N·m
7612-01	3/8" = 135 N·m
7612-02	1/2" = 150 N·m

7812

RECTANGULAR BIT HOLDER 9x12

9x12

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking

8 5/16" · 6,3 1/4"

"		mm	mm	Depth gauge	mm	kg	Code	No.
5/16	8.0	12.5	16.0	17.5	9 x 12	0.040	**7697970**	7812-00
1/4	6.3				9 x 12	0.040	**2101645**	7812-10

7912

RECTANGULAR WELD-ON FITTING 9x12

9x12

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Bear the depth gauges in mind

mm	mm	mm	Depth gauge	mm	kg	Code	No.
14	14	8	8	9 x 12	0.030	**7698190**	7912-00

DREMOMETER SE DREMASTER® DMSE 281 · 289

SUKSE

RECTANGULAR RING RATCHET SPANNER, REVERSIBLE 9x12

9x12

- 9x12 mm rectangular cavity with pin-locking
- Flat ring ratchet with UD-profile, fine-toothed
- With recessed lever change
- For loosening or fast tightening with high torque transfer
- Non-glare look thanks to matt chrome-plating, locking insert and pawl manganese-phosphated
- GEDORE vanadium steel 31CrV3, forged
- To operate with a 9x12 mm torque wrench or rectangular handle 9x12 mm

mm	°	h	b	Depth gauge	mm	kg	Code	No.
10	7	7.7	21.0	40	9 x 12	0.070	**2827735**	SUKSE9 10
13	7	9.0	25.7	42	9 x 12	0.090	**2827743**	SUKSE9 13
17	6	10.6	33.6	45	9 x 12	0.130	**2827751**	SUKSE9 17
19	6	11.7	36.3	52	9 x 12	0.150	**2827778**	SUKSE9 19

- Max. continuous load of ratchet according to DIN EN ISO 6789:2003 and/or maximum load of cavity

AGSE9

RECTANGULAR HANDLE SE 9x12

9x12

- To operate with rectangular end fittings 9x12
- For removing bolts or nuts, especially in confined spaces
- Without torque function
- GEDORE vanadium steel 31CrV3, matt chrome-plated
- Non-slip 2-component handle with hanging hole
- Max. continuous load of cavity according to DIN EN ISO 6789:2003 and/or maximum support load : 150 N·m

mm	L	h	b	kg	Code	No.
9 x 12	267	18.5	22	0.320	**2827786**	AGSE9

END FITTINGS 14X18 SE

7118

RECTANGULAR OPEN END FITTING 14x18

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking

14×18

mm	mm	mm	Depth gauge	mm	kg	Code	No.
13	7.0	30.0	25.0	14 x 18	0.120	**7689870**	7118-13
14	7.0	32.0	25.0	14 x 18	0.120	**7690020**	7118-14
15	7.0	34.0	25.0	14 x 18	0.120	**7690100**	7118-15
16	9.0	35.5	25.0	14 x 18	0.125	**7685610**	7118-16
17	9.0	37.0	25.0	14 x 18	0.130	**7690370**	7118-17
18	9.0	39.0	25.0	14 x 18	0.130	**7686180**	7118-18
19	9.0	41.0	25.0	14 x 18	0.130	**7690450**	7118-19
21	11.0	45.0	25.0	14 x 18	0.155	**7686420**	7118-21
22	11.0	47.0	25.0	14 x 18	0.150	**7690610**	7118-22
24	11.0	51.0	25.0	14 x 18	0.170	**7690880**	7118-24
27	13.0	58.5	32.5	14 x 18	0.185	**7690960**	7118-27
29	13.0	63.0	32.5	14 x 18	0.220	**2212285**	7118-29
30	13.0	63.0	32.5	14 x 18	0.220	**7691260**	7118-30
32	13.0	67.5	32.5	14 x 18	0.220	**7687740**	7118-32
34	15.0	74.0	33.5	14 x 18	0.255	**1963708**	7118-34
36	15.0	78.0	36.0	14 x 18	0.257	**1963716**	7118-36
41	15.0	82.0	36.0	14 x 18	0.261	**1963724**	7118-41

7218

RECTANGULAR RING END FITTING 14x18

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking

14×18

mm	mm	mm	Depth gauge	mm	kg	Code	No.
13	11.0	21.5	25.0	14 x 18	0.120	**7693120**	7218-13
14	11.0	23.0	25.0	14 x 18	0.120	**7693390**	7218-14
15	11.0	24.2	25.0	14 x 18	0.115	**7693470**	7218-15
16	12.0	25.7	25.0	14 x 18	0.125	**7678320**	7218-16
17	12.0	27.2	25.0	14 x 18	0.125	**7693630**	7218-17
18	12.0	28.5	25.0	14 x 18	0.125	**7678830**	7218-18
19	12.0	30.5	25.0	14 x 18	0.125	**7693710**	7218-19
21	15.0	33.0	25.0	14 x 18	0.140	**7678910**	7218-21
22	15.0	34.5	25.0	14 x 18	0.140	**7693980**	7218-22
24	15.0	37.5	25.0	14 x 18	0.140	**7694280**	7218-24
27	17.5	41.5	31.0	14 x 18	0.150	**7694440**	7218-27
30	17.5	45.0	31.0	14 x 18	0.160	**7694790**	7218-30
32	17.5	47.5	31.0	14 x 18	0.165	**7695920**	7218-32
34	19.0	50.5	31.0	14 x 18	0.195	**7679130**	7218-34
36	19.0	53.0	31.0	14 x 18	0.195	**7696220**	7218-36
41	19.0	59.0	31.0	14 x 18	0.225	**7696300**	7218-41

7418

RECTANGULAR REVERSIBLE RATCHET HEAD 14x18

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking
- Fine-toothed
- Return angle 7 degrees

14×18

12,5 1/2"
20 3/4"

"		°	mm	mm	Depth gauge	mm	kg	Code	No.
1/2	12.5	7,2	26.2	43.0	25.0	14 x 18	0.350	**7687580**	7418-02
3/4	20.0	7,2	30.7	50.0	33.0	14 x 18	0.780	**7687660**	7418-04

- Max. continuous load of ratchet according to DIN EN ISO 6789:2003 and/or maximum load of cavity

No.	Continuous load
7418-02	1/2" = 340 N·m
7418-04	3/4" = 400 N·m

7618

RECTANGULAR FIXED SQUARE HEAD 14x18

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject pin for unlocking

14×18

12,5 1/2"
20 3/4"

"		mm	mm	Depth gauge	mm	kg	Code	No.
1/2	12.5	18.0	30.0	25.0	14 x 18	0.200	**7688040**	7618-02
3/4	20.0	25.0	40.0	25.0	14 x 18	0.390	**7688200**	7618-04

- Max. continuous load of ratchet according to DIN EN ISO 6789:2003 and/or maximum load of cavity

No.	Continuous load
7618-02	1/2" = 340 N·m
7618-04	3/4" = 400 N·m

7818

RECTANGULAR BIT HOLDER 14x18

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Forged
- Chrome-vanadium steel, matt chrome-plated
- With eject-pin for unlocking

14×18

8 5/16"

"		mm	mm	Depth gauge	mm	kg	Code	No.
5/16	8.0	12.5	16.0	25.0	14 x 18	0.100	**7698000**	7818-00

7918

RECTANGULAR WELD-ON FITTING 14x18

- For accessing bolts in cramped and hard-to-reach locations, easy to change
- Bear the depth gauges in mind

14×18

mm	mm	mm	Depth gauge	mm	kg	Code	No.
25	21.5	11.0	12.0	14 x 18	0.100	**7698430**	7918-00

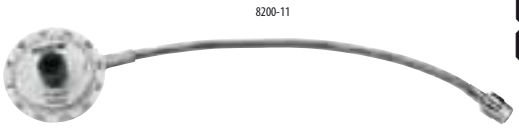
TORQUE ANGLE INDICATOR

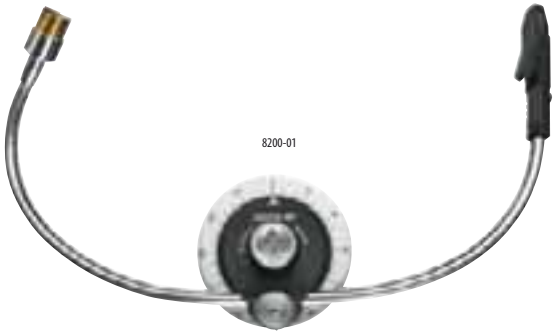
Use:
- Additional angle-regulated tightening for controlled torque and angle activation

Features:
- Torque angle indicator with 1/2" or 3/4" square drive
- For additional precise angle tightening (0 - 360°)
- 1/2" square drive with ball locking device or 3/4" square drive with pin locking device
- No. 8200-01/-02 models with sliding magnetic and gripping arm
- No. 8200-11 only with magnetic arm - simple design
- To operate with a suitable torque wrench
- The maximum output of the torque wrench must not be passed

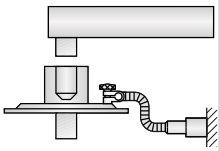
Scope of delivery:
- Torque angle indicator
- Delivered in a strong plastic case (no. 8200-01/-02), model no. 8200-11 in sturdy hard cardboard packaging

12.5 · 1/2" · 20 · 3/4"





- When using torque angle indicator no. 8200, please note: The maximum output of the torque wrenches must not be passed. Please ensure that the maximum load capacity of the square drive including the values achieved by angle-regulated tightening is not exceeded:
  - **1/2" max. approx. 390 N·m**
  - **3/4" max. approx. 1330 N·m**



■"	□"	∅ mm	∠°	kg	Code	No.
1/2	1/2	80	0-360	0.330	**1195980**	8200-01
1/2	1/2	82	0-360	0.330	**7718480**	8200-11
3/4	3/4	120	0-360	0.530	**7716510**	8200-02

TORQUE ANGLE INDICATOR

PLASTIC CASSETTES EMPTY FOR DREMOMETER MINI + AM

Use:
- Standard packaging for sets of the torque wrench series DREMOMETER MINI and AM
- Robust and solid, best for storage and transport

Features:
- With foam rubber inlay and nest-holes for the accessories

Scope of delivery:
- Empty black plastic cassettes with foam inlay
- Delivery in sturdy cardboard packaging

Description	L	W	H	kg	Code	No.
Plastic cassette + foam inlay for DREMO MINI	275	150	42	0.296	**1986805**	753-88
Plastic cassette + foam insert for DREMO AM	275	150	42	0.310	**7620910**	8554-99

SHEET METAL CASE EMPTY FOR DREMOMETER A-F

Use:
- Standard packaging for sets of the torque wrench series DREMOMETER A-F
- Robust and solid, best for storage and transport

Features:
- With integrated metal-flight and nest-holes for the accessories
- Hinges, locks and hand grip made of steel
- Paint finish: stove enamelled blue

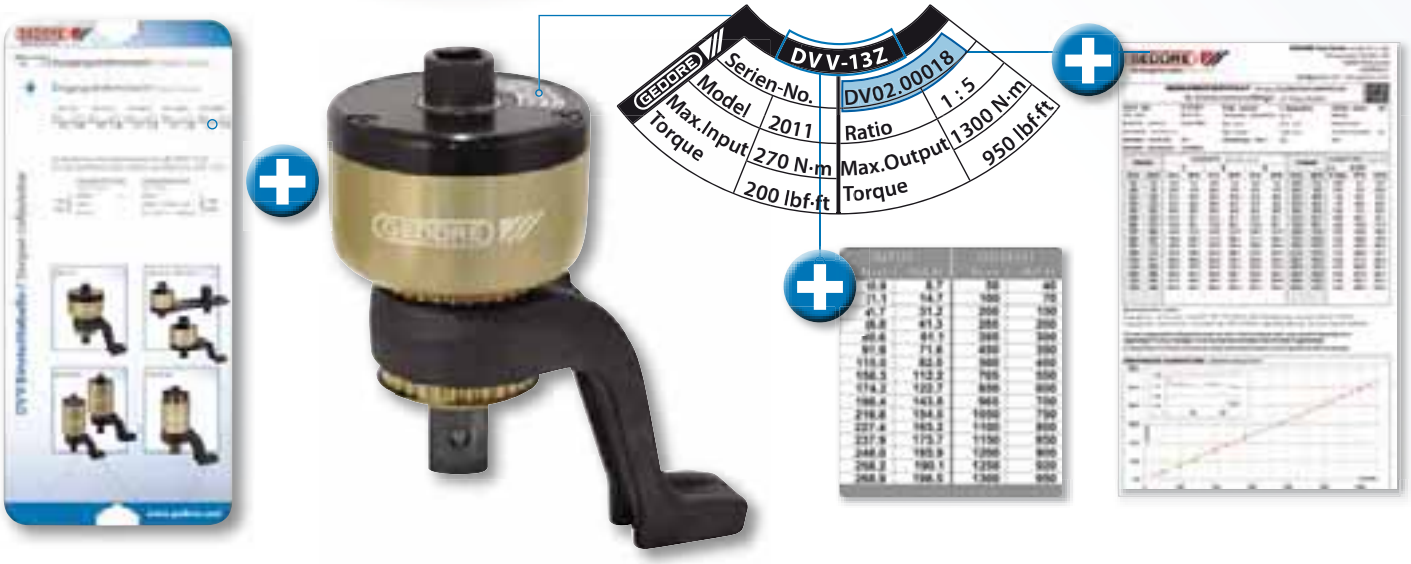
Scope of delivery:
- Sheet metal case, emtpy
- Delivery in sturdy cardboard packaging

Description	L	W	H	kg	Code	No.
Sheet metal case for DREMO A	370	115	50	1.200	**7621050**	8560-90
Sheet metal case for DREMO B	485	115	52	1.698	**7621130**	8561-90
Sheet metal case for DREMO BC/C	630	115	52	1.950	**7621210**	8562-90
Sheet metal case for DREMO CD	745	165	70	3.224	**7621800**	8570-90
Sheet metal case for DREMO D/DS	830	165	73	3.713	**7621480**	8563-90
Sheet metal case for DREMO DR/DX	830	165	73	3.656	**7622100**	8571-90
Sheet metal case for DREMO E / EK	945	270	100	10.300	**7621560**	8564-90
Sheet metal case for DREMO F	1075	190	105	6.400	**1742876**	8572-90

Technical Symbols

- Weight (total)
- Square drive (external)
- 6,3 ¼″
- 10 ⅜″
- 12,5 ½″ Square drive (external)
- 20 ¾″
- 25 1″
- Square drive (internal)
- Gear ratio
- Output torque (max. N·m)
- Input torque (max. N·m)
- Anti-wind-up-ratchet
- Factory certificate
- Bi-directional tightening
- Mechanical torque multiplier
- ± 3 % 3% Tolerance
- Catalogue page

Torque Multipliers DREMOPLUS ALU



SAFETY PLUS

Your advantage:

- The slender, lighter structure of the appliances ensures convenient and safe working - even where conditions are particularly cramped.
- Repetition-accurate and precise results - supported by individual factory test certificates - ensure a maximum degree of job safety.
- High degree of resilience and long life of the appliances attributable to a low-backlash planet gear with Ceramic-Teflon® coating.
- A 30 % + lighter steel housing thanks to the use of high-performance aluminium.
- Each torque multiplier is examined as to its torque range at the factory and provided with an individual factory test certificate.
- Precise, reliable figures - even under extreme climatic conditions
- Easy to operate: The most common INPUT/OUTPUT torques on the torque multiplier

SERVICE PLUS - THE GEDORE MAINTENANCE OFFENSIVE!

3 YEARS

- Your safety is a top priority with us in the matter of technically demanding products involving the action of high forces
- The GEDORE trademark is synonymous with maximum quality demands which our guarantee extension affords proof of.
- A 3-year guarantee holds good on all the latest generation GEDORE torque multipliers!
- The GEDORE guarantee starts on the date of purchase and equipment registration undertaken at the same time.

355

More detailed information on guarantee extension is on page 355

In-house development and 3D simulation

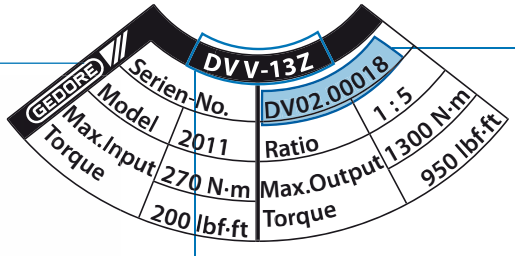
- Use of high-tech design and analysis techniques (3D-CAD/CAM/FEM)
- By means of stress analysis techniques (Finite Element Method = FEM) the appliances are tested under extreme stresses and continually improved upon.
- Requirement: Light, compact appliances which nevertheless - when subject to tough use - are still extremely sturdy.
- Both tried-and-tested standard solutions and specific tailored solutions are developed.

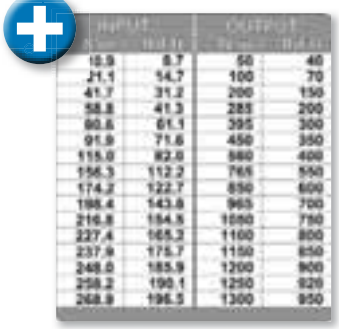
Unusual manufacturing depth of well over 90 %

- Practically all components from the initial idea to the finished product are in-house manufactured.
- Use of maximum high-grade materials (chrome-vanadium steel and high-performance aluminium) with batch retracability from finished component to the raw material.
- Production at high-tech machining centres.
- One of the sophisticated production processes involves a patent-filed process which ensures a unique and unmistakable product quality.
- The perfected final result comes from maximum quality demands placed, unrelenting development and the lengthy manufacturing expertise of our employees.
- GEDORE torque multiplier: A guarantee for your safety in "every day high-torque bolting and screw tightening work"

Quality products require a quality management system

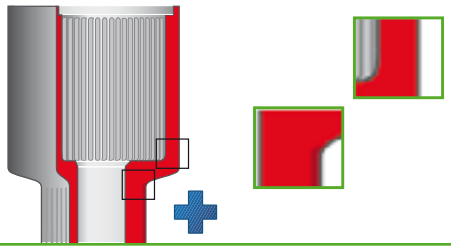
- A company certificated on the basis of DIN EN ISO 9001:2008
- Traceability of all product components and materials (chrome-vanadium steel and high-performance aluminium)
- Once assembled each appliance is given an individual, captive serial number.
- Controlled safety: Each torque multiplier is examined as to its torque range at the factory and given an individual factory test certificate.





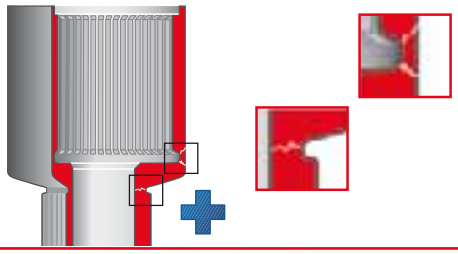
Patent-filed process: Shuttle impacts

- Optimisation of the movement sequence in this process is such that the cutting tool emerges curve-like from the material in a precisely defined geometrical form.
- This does away with the need for any clearance cut in both the external and internal serrated faces.
- The notching does not need to be compensated by the use of additional materials.
- The gear housing is lighter and at the same time more stable.



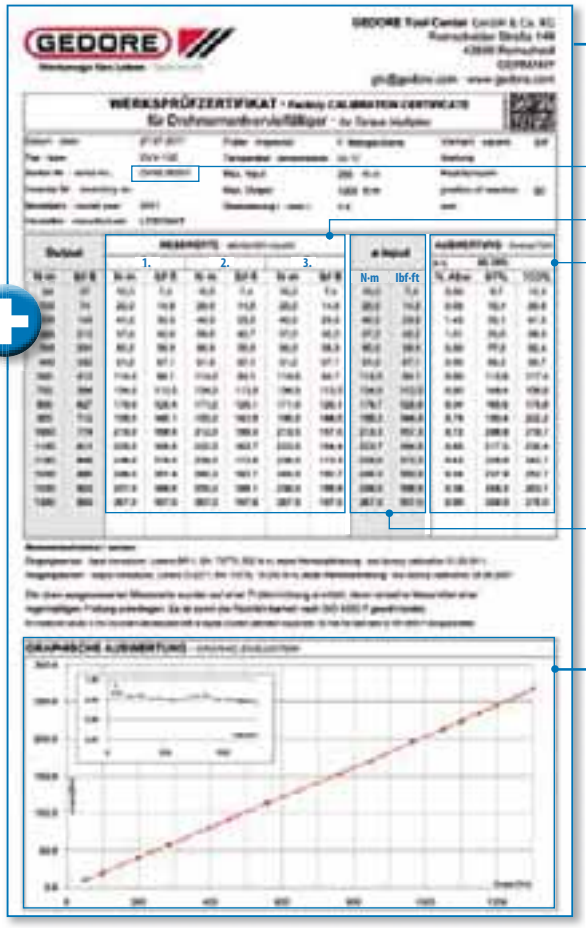
Customary operation

- With the usual rolling impact operation, the cutting tool - at the serrated face runout - requires a design-necessitated "clearance cut" to act as a notch.
- Cracks in the material may form within it given stresses.
- The notching needs to be countered by a thicker plate thickness in the gear.



Production steps of a gear body

Raw material | **Turning** | **Indenting** | **Milling** | **Hardening**



- Available in two languages (German and English). Other languages on request
- Individual factory test certificate for each torque multiplier (apart from model DVV-540RS) with individual serial number for article identification purposes
- Transparency and safety resulting from deviation indication and consideration given to the efficiency
- Three measuring rows per torque level
- Standardised indication of the torque in N·m and lbf·ft
- Graphical evaluation

Option

On request and at an extra charge, we also calibrate the DREMOPLUS torque multiplier together with the torque wrench used (e.g. DREMOMETER, DREMASTER®, TORCOTRONIC, E-TORC) - given that GEDORE makes are involved - in order to minimize the overall tolerance.

What makes for a good torque multiplier?

- Light yet with the appliance remaining sturdy.
- The torque and repeatability accuracy is at +/-3 %. Only in this way is dependable screw tightening work assured with reproducible accuracy.
- Both the torque settings and individual appliance components can be traced back.
- A factory test certificate ensures traceability of operations on the basis of ISO 9000. An individual factory test certificate is prepared for each and every torque multiplier and contains comprehensive information on readings, deviations, torque sensors and environmental influences.
- Particularly when unloosening seized screw connections, minimised impacts on the tooth flanks appear in a low backlash planet gear. The greater the precision with which the components fit together, the more stable the overall structure and the longer the service life. This precision can only be assured by a high in-house manufacturing proportion and consistent quality checks.
- An overload safety mechanism should be integrated at torques upwards of 2000 N·m. No damage occurs to the gear should it be overloaded.

Tip

Raise the level of your safety in the your daily work:

- Choose a qualitatively good torque multiplier and adjust it precisely to the screw tightening situation involved.
- Read the operating instructions.
- Do you require a competent form of consultation? Just turn to us - We would be glad to tender any advice.

Selection criteria

1. Torque
Select your torque multiplier on the basis of the maximum output torque.

2. Loading factor and frequency (load spectrum)
It would be wrong to constantly operate the appliance at its maximum capacity - just as it would be for any machine or any car.
This also holds good for the choice of the torque multiplier.
Permanently operating a torque multiplier for screw-tightening applications at maximum torque may impact negatively on its service life.

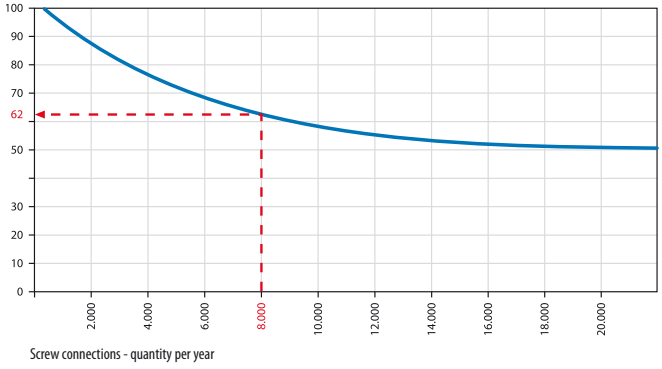
3. Supporting situation
Various supporting situations may be a determining factor in the selection of the torque multiplier.

Support at a raised position:
The L-form reaction arm would be suitable should you want to attach the reaction arm to a point above the screwing-tightening level.
A warning here in that the inputted bending forces result in a reduction of the maximum permitted torque!

Support at the level of the screw:
Our recommendation - should you want to attach the reaction arm at the screw-tightening level - is either for a Z-form reaction arm or the straight L-form with adjustable reaction square.

4. Anti-wind-up ratchet
A minimum 180° torque wrench field of movement should be on hand. As such, the recommendation is for an appliance complete with an anti-wind-up ratchet. In this way, pre-tension in the appliance is maintained and does not need to be re-created with each lift.

Application case:



8,000 screws a year are to be tightened at 4000 N·m. The following calculation needs to be carried out on the basis of the diagram to find the right appliance:

$$\frac{\text{Torque} \times 100\ \%}{\text{Loading}} = \frac{4000\ \text{N·m} \times 100\ \%}{62\ \%}$$

Choose an appliance with a max. 6452 N·m torque.
The DVV-60ZRS would be ideally suitable here.

Plan for a sufficient reserve in unloosening the screw connection. The torque needed to unloosen a screw connection can be many times the tightening torque.

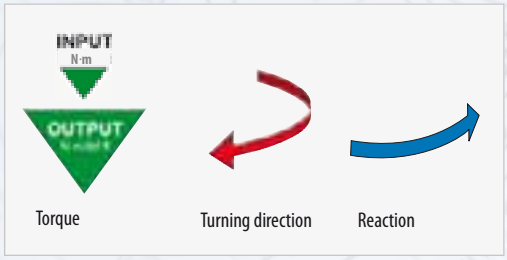
Product overview torque multipliers DREMOPLUS ALU

Series/Type	Accuracy	Drive	Output drive	Ratio	Reaction arm	Anti-wind-up ratchet	Overload safety mechanism: Sun gear	Overload safety mechanism: Shearing square	Overload safety mechanism: Slipper **non-destructive**	Ceramic-Teflon® coating	Range N·m tested and certificated
	+ / -	□	■	⚙ : ⚙							
Mechanical torque multiplier											
DVV-13Z	3%	1/2"	3/4"	1:5	Z		●				250 - 1.300 N·m
DVI-20L	3%	3/4"	1"	1:4	L			●			500 - 2.000 N·m
DVI-20Z	3%	3/4"	1"	1:4	Z			●			500 - 2.000 N·m
DVI-28L	3%	3/4"	1"	1:5,5	L			●			500 - 2.800 N·m
DVI-28Z	3%	3/4"	1"	1:5,5	Z			●			500 - 2.800 N·m
DVV-40Z	3%	1/2"	1"	1:16	Z				●	●	500 - 4.000 N·m
DVV-40ZRS	3%	1/2"	1"	1:16	Z	●			●	●	500 - 4.000 N·m
DVV-60ZRS	3%	3/4"	1.1/2"	1:18	Z	●			●	●	700 - 6.000 N·m
DVV-80ZRS	3%	3/4"	1.1/2"	1:22	Z	●			●	●	750 - 8.000 N·m
DVV-100ZRS	3%	3/4"	1.1/2"	1:28,5	Z	●			●	●	1.000 - 10.000 N·m
DVV-130ZRS	3%	3/4"	1.1/2"	1:39	Z	●			●	●	1.200 - 13.000 N·m
DVV-540RS	3%	3/4"	2.1/2"	1:175		●			●	●	7.000 - 54.000 N·m

Service-telephone

Between 8.00 a.m. and 4.30 p.m., our customer service operators will answer all your questions about products, including technical enquiries, fast and efficiently.

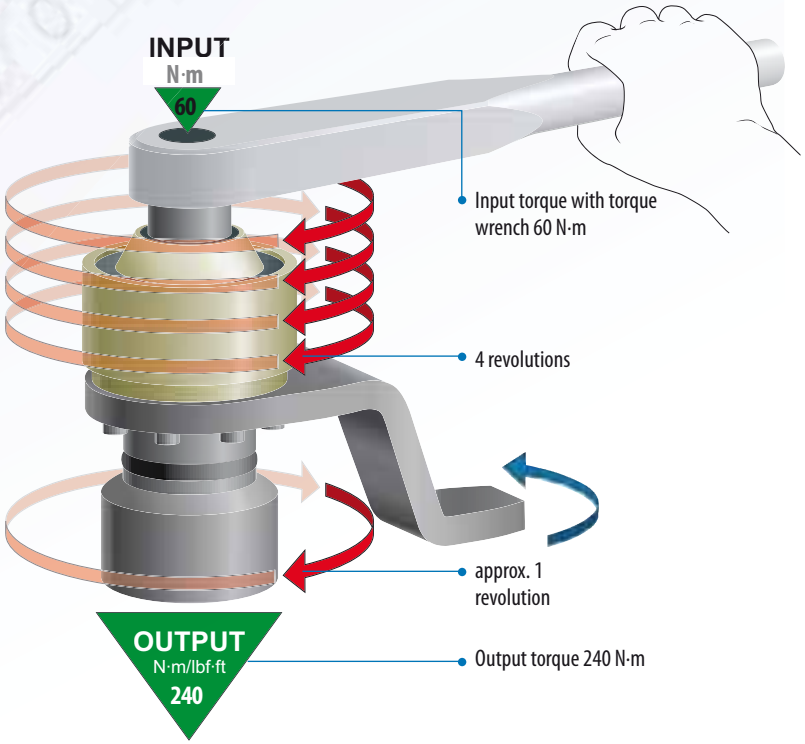
Hotline: +49 2191 596-700



Working principle
Torque - velocity

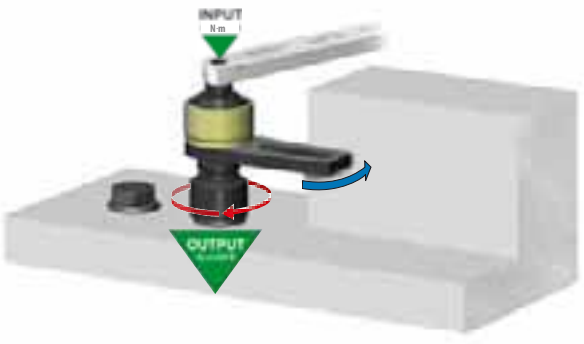
The chart representation elucidates the principle of torque multiplication.
Let us assume a 60 N·m input torque and a 240 N·m output torque. At a 1:4 ratio, 4 revolutions are needed at the input for 1 revolution with a 240 N·m torque to be obtained at the output.
This is substantiated in terms of the physical formula:
Power = torque x revolution

With gear efficiency deducted, the output power is to be considered as a constant equal to the input power.
Thus multiplication of the torque can only be obtained from an increased number of revolutions at the input.

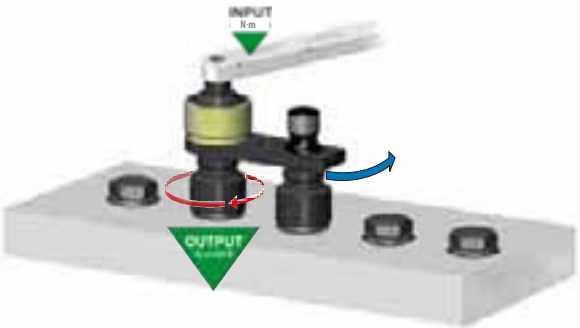


Working principle
Force and reaction

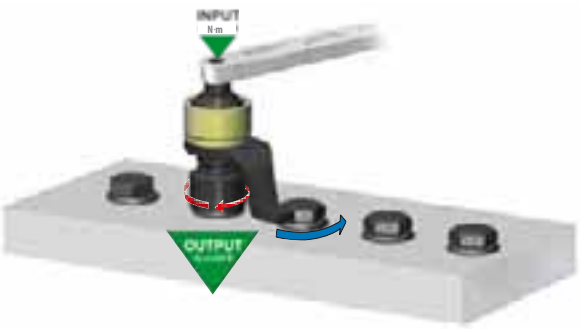
- When working with a torque multiplier, torsion wind-up is built up in the gear when the screw is tightened.
- This stress must be reduced.
- A reaction absorbed by reaction arm and abutment is produced.



L-form reaction arm without adjustable reaction square:
- The reaction acts on the wall.
- Is possible, but the tilting moment which arises causes the max. permitted torque to drop by 20 %.



L-form reaction arm with adjustable reaction square:
- The reaction acts on the adjacent impact socket.

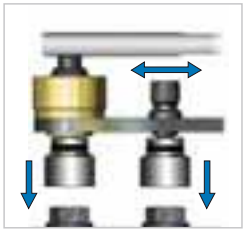


Reaction arm in Z-form:
- The reaction acts on the adjacent screw connection

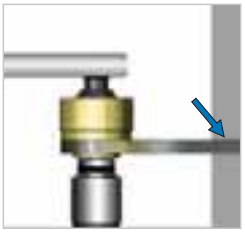
Choosing the right reaction arm
Reaction arm Z-form

- A flexible offset reaction arm which has proved itself as the standard solution.
- Supporting situations are, for instance, adjoining screws, walls, machine parts and other stable abutments.
- This reaction arm can be ideally used where conditions are quite cramped.

Choosing the right reaction arm
Reaction arm L-form



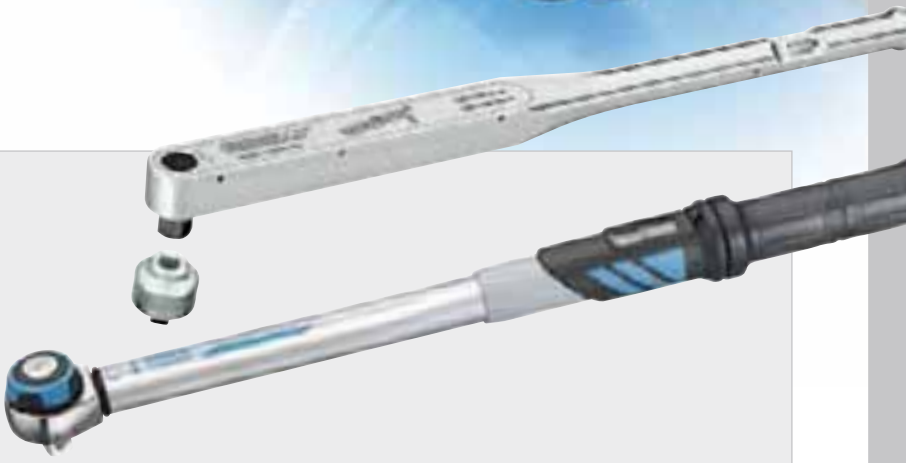
- This straight reaction arm with adjustable reaction square is admirably suited for flange screw connections.
- The L-form reaction arm has in terms of support a larger radius than the Z-Form.



- The L-form is also ideal for those points above the screw-tightening level. However, the resulting tilting moment causes the max. permitted torque to drop by 20%.

Choosing the right torque assembly tool for screws and nuts

- It is vital that use is made of a torque wrench complete with ratchet function (integrated or separate) for torque multipliers without anti-wind-up ratchet.
- For models with an anti-wind-up ratchet, we recommend the use of torque tools complete with ratchet function (integrated or separate) - for ease of working.



DREMOPLUS ALU Family 1: DVV-40Z, DVV-40ZRS - DVV-540RS

1/2" or 3/4" input square

Overload safety mechanism: Non-destructive overload safety mechanism - "Slipper" - filed as a patent. Triggers overload at 10% and again clicks into place. Clockwise and anti-clockwise

Flexible: With detachable Z-form reaction arm, can be optionally retrofitted with L-form reaction arm and adjustable reaction square

A 1", 1.1/2" or 2.1/2" output square with drill hole for impact sockets with safety pin and ring

Convenient: Integrated "RS" anti-wind-up ratchet for safe working. Bi-directional (apart from model DVV-40Z)

Lightweight and slim: High-performance aluminium housing is 30 % lighter than a steel one.

A Z-form forged reaction arm of chrome-vanadium steel absorbs any countering force that arises. Optional: L-form reaction arm on request

100 % quality check
Safe: Delivery including factory test certificate

Easy to operate:
The most common INPUT/OUTPUT torques on the torque multiplier

Advantages

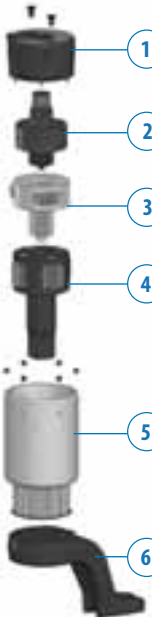
DVV-40Z, DVV-40ZRS - DVV-540RS

A coating of the tooth flanks consisting of ceramic and teflon enables the gear to be constantly lubricated with a minimum of grease.

Low backlash, 2-stage planet gear for a long service life

Stable, shuttle-impacted gear housing

Construction DVV-40ZRS - DVV-540RS



TORQUE MULTIPLIER DREMOPLUS ALU 4000 N·m / 2930 lbf·ft

Particularly suitable for:

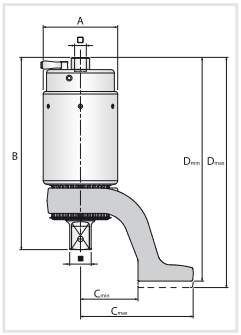
- Machinery and plant engineering
- Cable cars, lifts and masts
- Heavy industry, construction sites
- Bridge construction
- Shipbuilding, aircraft and railway construction
- Refineries, plastics industry
- Power plants of all kinds

Features:

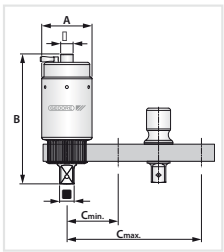
- Mechanical hand torque multiplier for controlled screw tightening and unloosening screw connections
- With a two-stage planet gear
- High-performance aluminium housing
- Torque multiplication ratio: 1:16
- DVV-40ZRS model with anti-wind-up ratchet (RS)
- With non-destructive "Slipper" overload safety mechanism for gear protection - clockwise and anticlockwise
- Z-form, offset reaction arm depending on model made of chrome-vanadium steel
- Can be optionally retrofitted with L-form straight reaction arm - with adjustable reaction arm - of lightweight metal
- Guaranteed accuracy: Better than +/- 3 % tolerance
- For operation in combination with a torque wrench
- 2 models for a maximum load at around a max. 4000 N·m
- Output square with drill hole for impact sockets with safety pin and ring

Scope of delivery:

- Torque Multiplier DREMOPLUS ALU
- With Z-form offset reaction arm
- Delivery in sturdy shipping case with foam insert
- Factory test certificate and setting table
- Detailed technical information is available on request



max. N·m-Output	max. lbf·ft-Output	•:⚙	□" C	■" D	A	B	C_{min}	C_{max}	D_{min}	D_{max}	max. N·m-Input	max. lbf·ft-Input	kg	Code	No.
4000	2930	1:16	1/2	1	88	212	68	133	250	256	300	220	5.4	**2653087**	DVV-40Z
4000	2930	1:16	1/2	1	88	227	68	133	264	270	310	230	5.9	**2653109**	DVV-40ZRS



Optional accessories:

Description	A	B	C_{min}	C_{max}	kg	Code	No.
Reaction arm Z-form offset for DVV40					1.5	**2653176**	RZ-DVV40
Reaction arm L-form straight for DVV40, 1"	88	212,8	86	234	1.7	**2653184**	RL-DVV40

K 21 SL 239

921 531

TORQUE MULTIPLIER DREMOPLUS ALU 6000-13000 N·m / 4400-9530 lbf·ft

Particularly suitable for:

- Machinery and plant engineering
- Cable cars, lifts and masts
- Heavy industry, construction sites
- Bridge construction
- Shipbuilding, aircraft and railway construction
- Refineries, plastics industry
- Power plants of all kinds

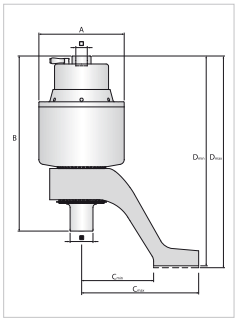
Features:

- Mechanical hand torque multiplier for controlled screw tightening and unloosening screw connections
- With a two-stage planet gear
- High-performance aluminium housing
- Torque multiplication ratio: 1:18, 1:22, 1:28.5, 1:39
- All models with anti-wind-up ratchet (RS)
- With non-destructive "Slipper" overload safety mechanism for gear protection - clockwise and anticlockwise
- Z-form, offset reaction arm depending on model made of chrome-vanadium steel
- Can be optionally retrofitted with L-form straight reaction arm - with adjustable reaction arm - of lightweight metal
- Guaranteed accuracy: Better than +/- 3 % tolerance
- For operation in combination with a torque wrench
- 4 models for maximum load in the range between max. 6000 N·m and max. 13000 N·m
- Output square with drill hole for impact sockets with safety pin and ring

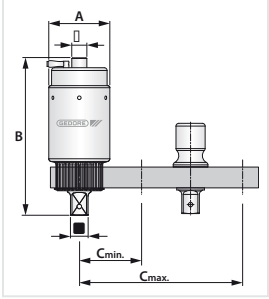
Scope of delivery:

- Torque Multiplier DREMOPLUS ALU
- With Z-form offset reaction arm
- Delivery in sturdy shipping case with foam insert
- Factory test certificate and setting table
- Detailed technical information is available on request

DVV-100ZRS



max. N·m-Output	max. lbf·ft-Output	•:⚙	□" C	■" D	A	B	C_{min}	C_{max}	D_{min}	D_{max}	max. N·m-Input	max. lbf·ft-Input	kg	Code	No.
6000	4400	1:18	3/4	1.1/2	102	257	110	190	316	324	400	300	10.4	**2653117**	DVV-60ZRS
8000	5870	1:22	3/4	1.1/2	128	277	110	190	338	342	420	310	13.3	**2653125**	DVV-80ZRS
10000	7330	1:28,5	3/4	1.1/2	138	292	120	207	350	356	410	305	13.7	**2653133**	DVV-100ZRS
13000	9530	1:39	3/4	1.1/2	175	306	(124)	(214)	(372)	(379)	380	280	20.7	**2653141**	DVV-130ZRS



Optional accessories:

Description	A	B	C_{min}	C_{max}	kg	Code	No.
Reaction arm Z-form offset for DVV60					3.9	**2653192**	RZ-DVV60
Reaction arm Z-form offset for DVV80					4.3	**2653206**	RZ-DVV80
Reaction arm Z-form offset for DVV100					3.0	**2653222**	RZ-DVV100
Reaction arm Z-form offset for DVV130					3.9	**2653230**	RZ-DVV130
Reaction arm L-form straight for DVV60-80, 1.1/2"	102/128	256,2/276,5	120/120	315/315	4.0	**2654091**	RL-DVV60-80

DVV-540RS

TORQUE MULTIPLIER DREMOPLUS ALU 54000 N·m / 40330 lbf·ft

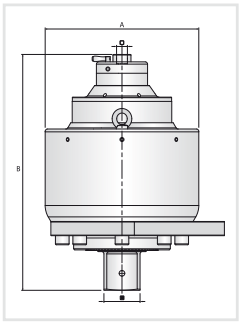
63
2½"

±3%

Particularly suitable for:
- Heavy industry
- Oil industry
- Petrochemicals

Features:
- Mechanical hand torque multiplier for controlled screw tightening and unloosening screw connections
- With a three-stage planet gear
- High-performance aluminium housing
- Chrome-vanadium steel reaction arm
- Multiplication at the ratio of 1:175
- With anti-wind-up ratchet (RS)
- With non-destructive "Slipper" overload safety mechanism for gear protection - clockwise and anticlockwise
- With fixture for welding on a reaction arm (optional)
- Guaranteed accuracy: Better than +/- 3 % tolerance
- For operation in combination with a torque wrench
- 1 model for a maximum load of around a max. 54000 N·m
- Output square with drill hole for impact sockets with safety pin and ring

Scope of delivery:
- Torque Multiplier DREMOPLUS ALU
- Delivery in a sturdy crate on pallet
- Setting table
- Detailed technical information is available on request



max. N·m-Output	max. lbf·ft-Output		"C	"D	A	B	max. N·m-Input	max. lbf·ft-Input	kg	Code	No.
54000	40330	1:175	3/4	2.1/2	270	415	380	280	64.4	**2653168**	DVV-540RS

8563-10 · 754 272 · 278

DMK 3/4" DREMASTER® 286

Special reaction arms can be obtained on request including technical advice.

Just turn to us - We would be glad to tender any advice.
Any problems you have represent our assignments!

GEDORE INDIVIDUAL FORGE

K 64 244

DREMOPLUS ALU Family 2: DVI-20L/Z and DVI-28L/Z

3/4" input square

Low backlash, single-stage planet gear for a long service life

Output square 1" with drill hole for impact sockets with safety pin and ring

Lightweight: High-performance aluminium housing is 30 % lighter than a steel one.

A Z-form forged reaction arm of chrome-vanadium steel absorbs any countering force that arises.

Overload safety mechanism achieved from a classic shearing square

100 % quality check
Safe: Delivery including factory test certificate

Easy to operate: The most common INPUT/OUTPUT torques on the torque multiplier

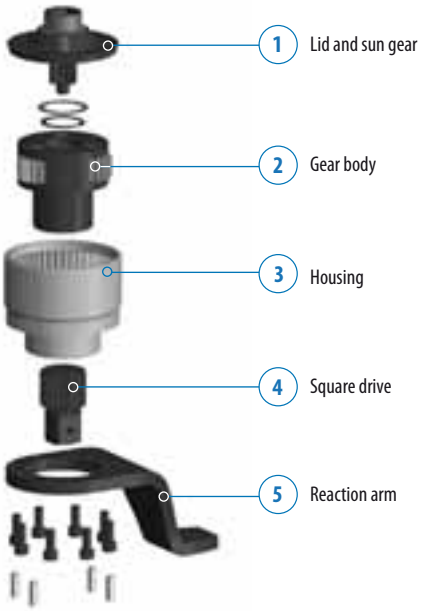
DVI-20Z and DVI-28Z

- Reaction arm Z-form offset
- fix integrated

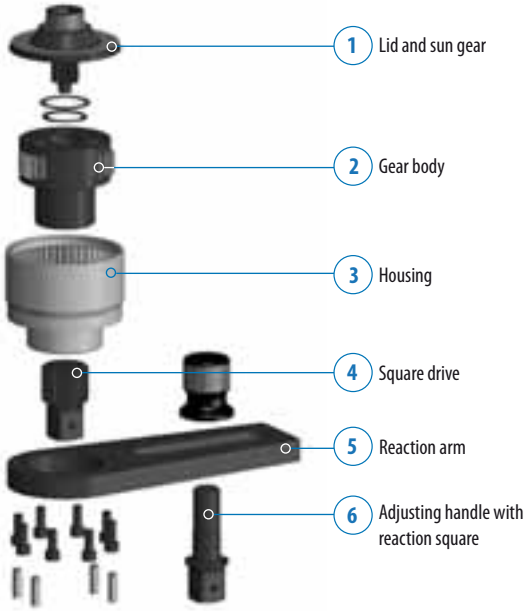
DVI-20L and DVI-28L

- Reaction arm L-form with adjustable reaction square drive
- fix integrated

Construction DVI-Z



Construction DVI-L



DVI-20L/Z + DVI-28L/Z

TORQUE MULTIPLIER DREMOPLUS ALU 2000-2800 N·m / 1500-2050 lbf·ft

Particularly suitable for:

- Industry, construction sites, car and truck garages, agricultural technology, construction machinery
- Bridge, aircraft and railway construction, shipbuilding, refineries
- Machinery and plant engineering, maintenance

Features:

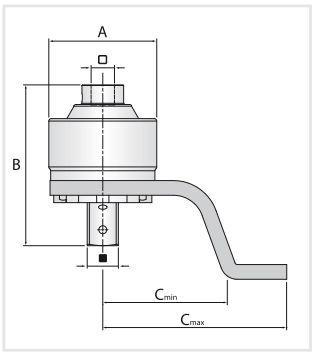
- Mechanical hand torque multiplier for controlled screw tightening and unloosening screw connections
- With a single-stage planet gear
- High-performance aluminium housing
- Multiplication at the ratio of 1:4, 1:5.5
- Guaranteed accuracy: Better than +/- 3 % tolerance
- For operation in combination with a torque wrench
- 2 models for maximum load in the range between max. 2000 N·m and 2800 N·m
- Z model: with Z-form, offset reaction arm of chrome-vanadium steel
- L model: with L-form straight reaction arm - with adjustable reaction square - of lightweight metal
- Output square with drill hole for impact sockets with safety pin and ring

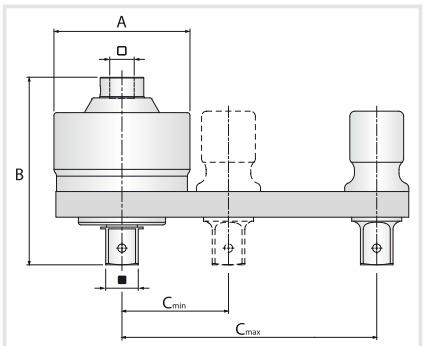
Scope of delivery:

- Torque Multiplier DREMOPLUS ALU
- With firmly integrated reaction arm of an L- or Z-form depending on model
- Delivery in sturdy shipping case with foam insert
- Factory test certificate and setting table
- Detailed technical information is available on request

DVI-28Z

DVI-28L





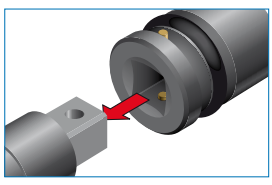
max. N·m-Output	max. lbf·ft-Output	Ausführung Reaktionsarm		□" C	■" D	A	B	C_{min}	C_{max}	max. N·m-Input	max. lbf·ft-Input	kg	Code	No.
2000	1500		1:4	3/4	1	88	131	78	106	580	430	2.5	**2653249**	DVI-20L
2800	2050		1:5,5	3/4	1	106	146	93	199	550	410	3.4	**2653257**	DVI-28L
2000	1500		1:4	3/4	1	88	131	102	150	580	430	2.9	**2653265**	DVI-20Z
2800	2050		1:5,5	3/4	1	106	146	100	150	550	410	3.9	**2653273**	DVI-28Z

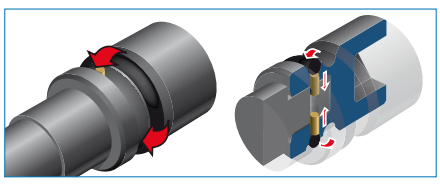
Optional accessories:

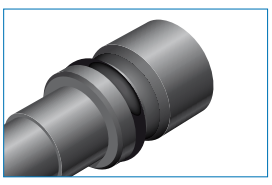
Description	kg	Code	No.
Reaction arm Z-form offset for DVI20	1.100	**2653281**	RZ-DVI20
Reaction arm L-form straight for DVI20, 1"	1.200	**2653303**	RL-DVI20
Spare square 1" for DVI20	0.300	**2653346**	E-VKT-DVI20
Reaction arm Z-form offset for DVI28	1.500	**2653311**	RZ-DVI28
Reaction arm L-form straight for DVI28, 1"	1.700	**2653338**	RL-DVI28
Spare square 1" incl. ring for DVI28	0.500	**2670526**	E-VKR-DVI28

K 21 S 239

K 21 S 238







DVV-13Z

TORQUE MULTIPLIER DREMOPLUS ALU 1300 N·m / 950 lbf·ft

Particularly suitable for:

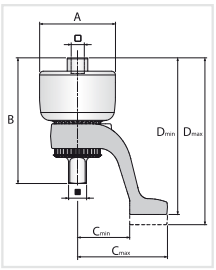
- Industry, construction sites, car and truck garages, agricultural technology
- Bridge, aircraft and railway construction, shipbuilding, refineries
- Machinery and plant engineering, maintenance

Features:

- Mechanical hand torque multiplier for controlled screw tightening and unloosening screw connections
- With a single-stage planet gear
- High-performance aluminium housing
- With Z-form offset reaction arm of chrome-vanadium steel
- Can be optionally retrofitted with L-form straight reaction arm - with adjustable reaction arm - of lightweight metal
- Multiplication at the ratio of 1:5
- Guaranteed accuracy: Better than +/- 3 % tolerance
- For operation in combination with a torque wrench
- 1 model for a maximum load of around a max. 1300 N·m
- Also available as set (No. DVV-13ZG) with three different impact sockets - sizes 27, 30, 32 mm
- Output square with drill hole for impact sockets with safety pin and ring

Scope of delivery:

- Torque Multiplier DREMOPLUS ALU
- With Z-form offset reaction arm
- Delivery in sturdy shipping case with foam insert
- Factory test certificate and setting table
- Detailed technical information is available on request



max. N·m-Output	max. lbf·ft-Output				A	B	C_{min}	C_{max}	D_{min}	D_{max}	max. N·m-Input	max. lbf·ft-Input		Code	No.
1300	950	1:5	1/2	3/4	80	133	56	95	165	173	270	200	1.9	**2653370**	DVV-13Z

Contents	max. N·m-Output	max. lbf·ft-Output				A	B	C_{min}	C_{max}	D_{min}	D_{max}	max. N·m-Input	max. lbf·ft-Input		Code	No.
DVV-13Z **K 32 27 K 32 30 K 32 32**	1300	950	1:5	1/2	3/4	80	133	56	95	165	173	270	200	3.0	**2653389**	DVV-13ZG

Optional accessories

Description	A	B	C_{min}	C_{max}		Code	No.
Reaction arm L-form straight for DVV-13, 3/4"	80	132,5	60	159	0.800	**2653400**	RL-DVV13
Reaction arm Z-form offset for DVV-13					0.600	**2653397**	RZ-DVV13
Sun gear for DVV-13					0.090	**2684233**	E-S-DVV13

Technical field service

Make use of our qualified advice to solve your technical problems, via telephone or on-site during work. We will willingly assist you in making your choice of the most suitable tool - from standard solutions up to and including customised manufacture for specific uses. Product training courses and presentations are also included in our service offering as is assistance at your company exhibitions.

We help you at any time...

Service-telephone

Between 8.00 a.m. and 4.30 p.m., our customer service operators will answer all your questions about products, including technical enquiries, fast and efficiently.

Hotline:
+49 2191 596-700

DREMOPLUS ALU Family 3: DVV-13Z

1/2" input square

Low backlash, single-stage planet gear for a long service life

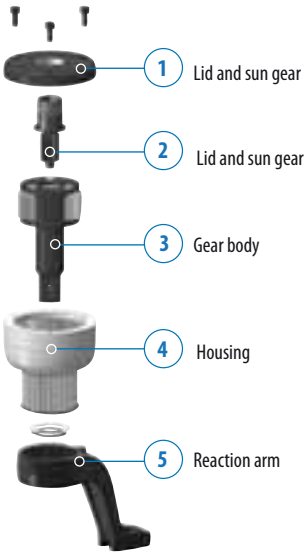
Output square 3/4" with drill hole for impact sockets with safety pin and ring

Forged reaction arm absorbs any counter force arising.

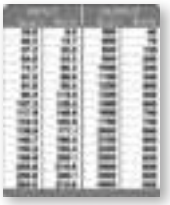
Lightweight: High-performance aluminium housing is 30 % lighter than a steel one.

Flexible: With detachable Z-form reaction arm; can be optionally retrofitted with long reaction arm incorporating an adjustable reaction square (L-form) of lightweight metal

Construction DVI-L



100 % quality check
Safe: Delivery including factory test certificate



Easy to operate:
The most common INPUT/OUTPUT torques on the torque multiplier

The GEDORE maintenance service - one promoting service life and safety

- Regular maintenance can considerably lengthen the service life of your GEDORE torque multiplier and also contribute to your safety.
- Maintenance involves our qualified personnel examining the individual components, testing their functional precision and verifying the factory certificate.
- In such an instance, we would willingly draft an estimate for you.
- We will, of course, continue to support you should you have any questions on and problems with the former DREMOPLUS models - **just get in touch with us !**
- Should a guarantee case arise - then either hand in the appliance to your dealer - who will concern himself with what is then to follow - or send it directly for repairs to the Lösomat manufacturer or the nearest GEDORE agency.

SERVICE PLUS - the GEDORE maintenance offensive! 3 years

- Your safety is a top priority with us in the matter of technically demanding products involving the action of high forces
- The GEDORE trademark is synonymous with maximum quality demands which our guarantee extension affords proof of.
- A 3-year guarantee holds good on all the latest generation GEDORE torque multipliers!
- The GEDORE guarantee starts on the date of purchase and equipment registration undertaken at the same time.

Technical Symbols

- kg — Weight (total)
- mm — Length (total)
- mm — Length (total)
- L" — Length (total)
- mm — Length of blade
- mm — Blade / Cutting edge width
- mm — Blade thickness
- mm — Width across flats (Nominal Width)
- "AF — Width across flats (Nominal Width)
- mm — Width across flats (Nominal Width)
- M — Screw dimension (type of thread)
- Drive types
- Slotted
- Cross-head PH
- Cross-head Pozi PZ
- Hexagon internal
- Internal hexagon with tamper proof hole
- Internal-TORX®
- Internal TORX® with pilot
- External TORX®
- Internal serrations XZN
- TORX PLUS®
- CE — Conformity with EU guidelines
- VDE — VDE Test Symbol (Tools)
- new
- Catalogue page

Screwdrivers

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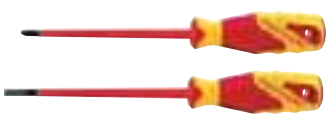
FOR TORQUE SCREWDRIVERS 296 - 300

see product group Torque Tools

1500 ES/CT 101 · 109

VDE 538 - 539



powerful - unerring - absolute precision - wear-resistant
... perfect power transmission included

That is what the new series Power-Grip³ screwdrivers from GEDORE are ... the reliable all-rounders for all work in wood, plastic and metal

Head marking for specifically and rapidly accessing the right screwdriver

Useful hanging hole

- Ergonomic grip design for optimum power transfer
- Maximum force involving minimum effort
- Extensive contact surface with the hand
- Ergonomically appropriately placed hard and soft elements give the grip its GEDORE typical kind-to-hands feel
- Suitable for small hands, large hands and for both right and left-handers

Seized screws are loosened by gently knocking on the striking cap. Full-length blade transfers the full 100 % impact force onto the blade tip.

Blade injected as a positive fit into the plastic core and matt chrome-plated

- Soft fast turning zone with hard power point - gets the power there quickly
- Power point also ensures that the forefinger reliably guides the blade

The hard core is inside the grip. It takes up the force from the external components and easily transfers it to the shaft. The hard core can be seen at the head marking

The torque required by the German Standards Institute (DIN/ISO) is exceeded considerably

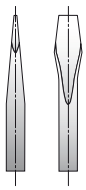
The ideal all-rounder for screws in wood, plastic and metal

Blade fully tempered for a long service life

Blade from GEDORE molybdenum-vanadium-Plus tempered steel for hardness, elasticity and resistance to wear

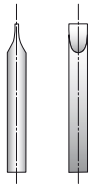
GEDORE has two different blade types for slotted head screws:

Workshop tip = wedge-shaped blade in acc. with DIN ISO 2380-1 Form-A



Workshop tip for all types of bolting work.
Screwdriver tip is wedge-shaped
Little parallel surface of nominal thickness DIN ISO 2380-1 Form-A

Electrician tip = slender, parallel blade in acc. with DIN ISO 2380-1 Form-B



Electrician tip specially for screws deep down in the screw shaft e.g. with wire connectors and sockets.
Extensive parallel surface of nominal thickness, no wedge-shape
DIN ISO 2380-1 Form-B

Precision-made blade tip ensures optimum power transfer onto the screw head

3C-SCREWDRIVER

2150

3C-SCREWDRIVER for slotted head screws

- Acc. to DIN ISO 2380-2, blade tip acc. to DIN ISO 2380-1 Form A
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel
- * Length not standardised

mm	mm	mm	*	mm	Ø	kg	Code	No.
3.0	0.5	80	*	165	3,0	0.039	**6679270**	2150 3
3.5	0.6	75		160	3,5	0.055	**2822644**	2150 3,5
4.0	0.8	100		185	4,0	0.061	**6679350**	2150 4
4.5	0.8	90	*	190	4,0	0.100	**2822652**	2150 4,5
5.5	1.0	100		200	5,0	0.093	**6679430**	2150 5,5
6.5	1.2	150		260	6,0	0.128	**6679510**	2150 6,5
8.0	1.2	150		270	7,0	0.170	**6679780**	2150 8
8.0	1.6	175		295	7,0	0.222	**2822660**	2150 8-175
10.0	1.6	200		320	8,0	0.203	**6679860**	2150 10
10.0	1.6	300	*	420	8,0	0.222	**2822679**	2150 10-300
12.0	2.0	200		320	9,0	0.257	**6679940**	2150 12
12.0	2.0	250		370	9,0	0.222	**2822687**	2150 12-250

2150

3C-SCREWDRIVER for slotted head screws, special lengths

- Acc. to DIN ISO 2380-2, blade tip acc. to DIN ISO 2380-1 Form B
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel
- * Length not standardised

mm	mm	mm	*	mm	Ø	kg	Code	No.
2.0	0.4	60	*	145	2,0	0.055	**2822695**	2150 2-60
2.5	0.4	75		160	2,5	0.055	**2822709**	2150 2,5-75
3.0	0.5	150	*	235	3,0	0.044	**6680280**	2150 3-150
3.0	0.5	200	*	285	3,0	0.055	**2822717**	2150 3-200
3.5	0.6	100		185	3,5	0.055	**2822725**	2150 3,5-100
3.5	0.6	125		210	3,5	0.055	**2822733**	2150 3,5-125
3.5	0.6	200	*	285	3,5	0.055	**2822741**	2150 3,5-200
4.0	0.8	150	*	235	4,0	0.069	**6680360**	2150 4-150
4.0	0.8	200	*	285	4,0	0.055	**2822768**	2150 4-200
4.0	0.8	300	*	385	4,0	0.055	**2822776**	2150 4-300
5.5	1.0	125		225	5,5	0.100	**2822784**	2150 5,5-125
5.5	1.0	150		250	5,5	0.104	**6680520**	2150 5,5-150
5.5	1.0	200	*	300	5,5	0.100	**2822792**	2150 5,5-200
5.5	1.0	300	*	400	5,5	0.100	**2822806**	2150 5,5-300
6.0	1.2	100	*	210	6,0	0.140	**2822814**	2150 6-100
6.5	1.2	200	*	310	6,0	0.152	**6680870**	2150 6,5-200

2153

3C-SCREWDRIVER for slotted head screws, stubby

- Acc. to DIN ISO 2380-2A, blade tip acc. to DIN ISO 2380-1 Form B
- For confined spaces
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

mm	mm	mm	mm	kg	Code	No.
4.0	0.8	25	81	0.031	**1531174**	2153 4
5.5	1.0	25	81	0.036	**1482432**	2153 5,5
6.5	1.2	25	81	0.039	**1531182**	2153 6,5
8.0	1.2	25	81	0.044	**1531190**	2153 8

2160 PH

3C-SCREWDRIVER for cross-head screws PH

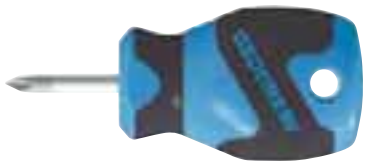
- Acc. to DIN ISO 8764, tip acc. to DIN ISO 8764-1 PH
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Size 3 and 4 blade with hexagon bolster
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel
- * not standardised

PH	M	mm	*	mm	kg	Code	No.
0	M1,6 - M2	60		145	0.302	**6683110**	2160 PH 0
0	M1,6 - M2	100	*	185	0.055	**2824043**	2160 PH 0-100
1	M2 - M3	80		180	0.080	**6683380**	2160 PH 1
1	M2 - M3	100	*	200	0.100	**2824051**	2160 PH 1-100
1	M2 - M3	200		300	0.166	**6683700**	2160 PH 1-200
2	M3,5 - M5	100		210	0.119	**6683460**	2160 PH 2
2	M3,5 - M5	150	*	260	0.140	**2824078**	2160 PH 2-150
2	M3,5 - M5	200		310	0.164	**6683890**	2160 PH 2-200
3	M5,5 - M7	150		270	0.192	**6683540**	2160 PH 3
4	M8 - M10	200		320	0.274	**6683620**	2160 PH 4

2161 PH

3C-SCREWDRIVER for cross-head screws PH, stubby

- Acc. to DIN ISO 8764, tip acc. to DIN ISO 8764-1 PH
- For confined spaces
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

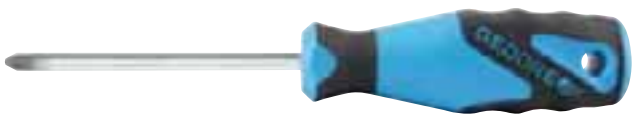


PH	M	mm	mm	kg	Code	No.
1	M2 - M3	25	81	0.033	**1482440**	2161 PH 1
2	M3,5 - M5	25	81	0.036	**1531204**	2161 PH 2

2160 PZ

3C-SCREWDRIVER for cross-head screws Pozi PZ

- Acc. to DIN ISO 8764, tip acc. to DIN ISO 8764-1 PZ
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Size 3 and 4 blade with hexagon bolster
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel
- * not standardised



PZ	M	mm	*	mm	kg	Code	No.
0	M1,6 - M2	60		145	0.038	**6683970**	2160 PZ 0
1	M2 - M3	80		180	0.079	**6684000**	2160 PZ 1
1	M2 - M3	300	*	400	0.100	**2824086**	2160 PZ 1-300
2	M3,5 - M5	100		210	0.119	**6684190**	2160 PZ 2
2	M3,5 - M5	300	*	410	0.140	**2824094**	2160 PZ 2-300
3	M5,5 - M7	150		270	0.189	**6684270**	2160 PZ 3
4	M8 - M10	200		320	0.273	**6684350**	2160 PZ 4

VDE 2160 PH

539

VDE 2160 PZ

539

2161 PZ

3C-SCREWDRIVER for cross-head screws Pozi PZ, stubby

- Acc. to DIN ISO 8764, tip acc. to DIN ISO 8764-1 PZ
- For confined spaces
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

PZ	M	mm	mm	kg	Code	No.
1	M2 - M3	25	81	0.032	**1550608**	2161 PZ 1
2	M3,5 - M5	25	81	0.037	**1550616**	2161 PZ 2

2163 K

3C-SCREWDRIVER for in-hex screws, with ball end

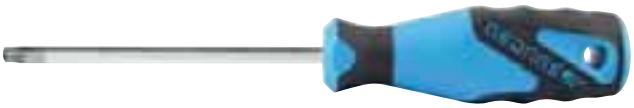
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Working angle approx. 25° in each direction
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

mm	mm	mm	kg	Code	No.
2	100	185	0.040	**1828746**	2163 K 2
3	100	185	0.045	**6684430**	2163 K 3
4	100	185	0.068	**6684510**	2163 K 4
5	100	200	0.100	**6684780**	2163 K 5
6	125	235	0.139	**6684860**	2163 K 6
8	150	270	0.230	**6684940**	2163 K 8
10	150	270	0.285	**6685080**	2163 K 10
12	150	270	0.369	**6685160**	2163 K 12

2163 TX

3C-SCREWDRIVER for recessed TORX® head screws

- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

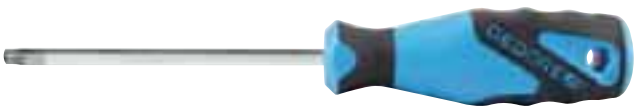


	M	mm	mm	mm	kg	Code	No.
T5	M1,8	1,42	60	145	0.037	**1616471**	2163 TX T5
T6	M2	1,69	60	145	0.029	**6685400**	2163 TX T6
T7	M2,5	1,99	60	145	0.038	**6685590**	2163 TX T7
T8	M2,5	2,31	60	145	0.038	**6685670**	2163 TX T8
T9	M3	2,50	60	145	0.038	**6685750**	2163 TX T9
T10	M3 - M3,5	2,74	80	165	0.039	**6685830**	2163 TX T10
T15	M3,5 - M4	3,27	80	165	0.054	**6685910**	2163 TX T15
T20	M4 - M5	3,86	100	185	0.060	**6686050**	2163 TX T20
T25	M4,5 - M5	4,43	100	200	0.082	**6686130**	2163 TX T25
T27	M4,5 - M6	4,99	115	215	0.098	**6686210**	2163 TX T27
T30	M6 - M7	5,52	115	225	0.123	**6686480**	2163 TX T30
T40	M7 - M8	6,65	130	240	0.144	**6686560**	2163 TX T40
T45	M8 - M10	7,82	130	250	0.176	**6686640**	2163 TX T45

2163 TXB

3C-SCREWDRIVER for recessed TORX® head screws with pilot

- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

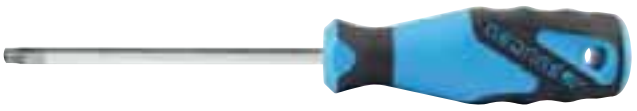


	M	mm	mm	mm	kg	Code	No.
T7	M2,5	1,99	60	145	0.034	**6677570**	2163 TXB T7
T8	M2,5	2,31	60	145	0.038	**6677650**	2163 TXB T8
T9	M3	2,50	60	145	0.038	**6677730**	2163 TXB T9
T10	M3 - M3,5	2,74	80	165	0.039	**6677810**	2163 TXB T10
T10	M3 - M3,5	2,74	300	385	0.055	**2824159**	2163 TXB T10-300
T15	M3,5 - M4	3,27	80	165	0.054	**6678030**	2163 TXB T15
T15	M3,5 - M4	3,27	300	385	0.055	**2824167**	2163 TXB T15-300
T20	M4 - M5	3,86	100	185	0.060	**6678110**	2163 TXB T20
T20	M4 - M5	3,86	300	385	0.055	**2824175**	2163 TXB T20-300
T25	M4,5 - M5	4,43	100	200	0.082	**6678380**	2163 TXB T25
T27	M4,5 - M6	4,99	115	215	0.098	**6678460**	2163 TXB T27
T30	M6 - M7	5,52	115	225	0.123	**6678540**	2163 TXB T30
T40	M7 - M8	6,65	130	240	0.143	**6678620**	2163 TXB T40

2163 TXIP

3C-SCREWDRIVER for recessed TORX PLUS® head screws

- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel
- TORX PLUS® = reg. trademark of Acument Intellectual Properties, LLC. USA



	M	mm	mm	mm	kg	Code	No.
6IP	M2	2,31	60	145	0.055	**2824299**	2163 TX 6IP
7IP	–		60	145	0.055	**2824302**	2163 TX 7IP
8IP	M2,5 - M3	2,50	60	145	0.055	**2824310**	2163 TX 8IP
9IP	–		60	145	0.055	**2824329**	2163 TX 9IP
10IP	M3 - M3,5	2,74	80	165	0.055	**2824337**	2163 TX 10IP
15IP	M3,5 - M4	3,27	80	165	0.055	**2824345**	2163 TX 15IP
20IP	M4 - M5	3,86	100	185	0.055	**2824353**	2163 TX 20IP
25IP	M4,5 - M5	4,43	100	200	0.100	**2824361**	2163 TX 25IP
27IP	M5 - M6	4,99	115	215	0.100	**2824388**	2163 TX 27IP
30IP	M6	5,52	115	225	0.140	**2824396**	2163 TX 30IP
40IP	M7 - M8	6,65	130	240	0.140	**2824418**	2163 TX 40IP

2163 KTX

3C-SCREWDRIVER for recessed TORX® screws, with ball end

- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Working angle approx. 25° in each direction
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

	M	mm	mm	mm	kg	Code	No.
T10	M3 - M3,5	2,74	80	165	0.055	**2824213**	2163 KTX T10
T15	M3,5 - M4	3,27	80	165	0.055	**2824221**	2163 KTX T15
T20	M4 - M5	3,86	100	185	0.055	**2824248**	2163 KTX T20
T25	M4,5 - M5	4,43	100	200	0.100	**2824256**	2163 KTX T25
T27	M4,5 - M6	4,99	115	215	0.100	**2824264**	2163 KTX T27
T30	M6 - M7	5,52	115	225	0.140	**2824272**	2163 KTX T30
T40	M7 - M8	6,65	130	240	0.140	**2824280**	2163 KTX T40

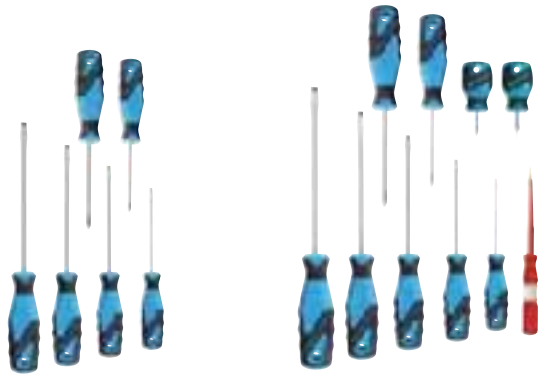
VDE 2170 538

3C-SCREWDRIVER SETS

2150-2160 PH

3C-SCREWDRIVER SET 6 pieces / 10 pieces

- Practical set composition in environmentally-friendly cardboard box
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel



Contents	kg	Code	No.
2150 4 5,5 6,5 8 2160 PH 1 2	0.660	**1482319**	2150-2160 PH-06
2150 3 4 5,5 6,5 8 2153 5,5 2160 PH 1 2 2161 PH 1 4615 3,5	0.825	**1482343**	2150-2160 PH-010

2150-2160 PZ-06

3C-SCREWDRIVER SET 6 pieces

- Practical set composition in environmentally-friendly cardboard box
- For slotted and cross-slotted head screws PZ
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

Contents	kg	Code	No.
2150 4 5,5 6,5 8 2160 PZ 1 2	0.670	**1482300**	2150-2160 PZ-06

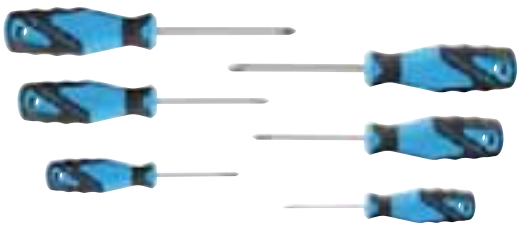
VDE 2170-2160 PH-077

539

2160 PHZ-06

3C-SCREWDRIVER SET 6 pieces

- Practical set composition in environmentally-friendly cardboard box
- For cross-slotted head screws PH and PZ
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

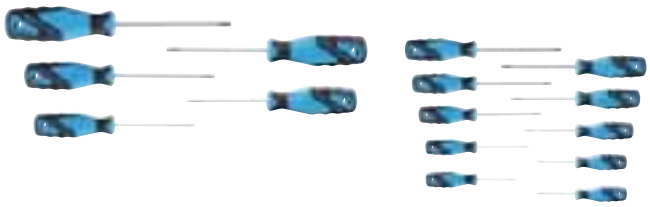


Contents	kg	Code	No.
2160 PH 0 1 2 2160 PZ 0 1 2	0.344	**2003589**	2160 PHZ-06

2163 TX

3C-SCREWDRIVER SET 5 pieces / 10 pieces

- Practical set composition in environmentally-friendly cardboard box
- For recessed TORX® head screws
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

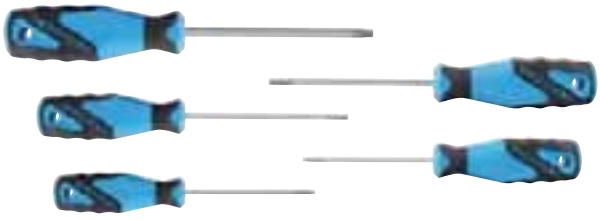


Contents	kg	Code	No.
2163 TX T10 T15 T20 T25 T30	0.435	**1482327**	2163 TX-05
2163 TX T7 T8 T9 T10 T15 T20 T25 T27 T30 T40	0.740	**1482335**	2163 TX-010

2163 TXB-05

3C-SCREWDRIVER SET 5 pieces

- Practical set composition in environmentally-friendly cardboard box
- For recessed TORX® head screws with pilot
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Contents	kg	Code	No.
2163 TXB T10 T15 T20 T25 T30	0.440	**1616617**	2163 TXB-05

3C-SCREWDRIVER WITH STRIKING CAP

2154SK

3C-SCREWDRIVER WITH STRIKING CAP for slotted head screws

- Acc. to DIN ISO 2380-2, blade tip acc. to DIN ISO 2380-1 Form A
- 3-component handles Power-Grip³ with striking cap
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Hexagon blade with additional hexagon bolster
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

mm	mm	mm	mm	mm	kg	Code	No.
3.5	0.6	75	180	8	0.086	**1845209**	2154SK 3,5
4.5	0.8	75	180	8	0.090	**1845217**	2154SK 4,5
5.5	1.0	100	205	8	0.092	**1845225**	2154SK 5,5
6.5	1.2	125	230	10	0.154	**1845233**	2154SK 6,5
6.5	1.2	150	255	10	0.229	**2824108**	2154SK 6,5-150
7.0	1.2	125	230	10	0.229	**2824116**	2154SK 7
8.0	1.2	150	270	13	0.178	**1845241**	2154SK 8
8.0	1.6	175	295	13	0.229	**2824124**	2154SK 8-175
10.0	1.6	200	320	13	0.214	**1845268**	2154SK 10
10.0	1.6	300	420	13	0.229	**2824132**	2154SK 10-300
12.0	2.0	200	320	16	0.260	**1845276**	2154SK 12
12.0	2.0	250	370	16	0.229	**2824140**	2154SK 12-250
14.0	2.5	250	370	16	0.324	**1845284**	2154SK 14

2160SK PH

3C-SCREWDRIVER WITH STRIKING CAP for cross-head screws PH

- Acc. to DIN ISO 8764, tip acc. to DIN ISO 8764-1 PH
- 3-component handles Power-Grip³ with striking cap
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Hexagon blade with additional hexagon bolster
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

PH	M	mm	mm	mm	kg	Code	No.
1	M2 - M3	80	185	8	0.086	**1845292**	2160SK PH 1
2	M3,5 - M5	100	205	10	0.148	**1845306**	2160SK PH 2
3	M5,5 - M7	150	270	13	0.204	**1845314**	2160SK PH 3
4	M8 - M10	200	320	16	0.292	**1845322**	2160SK PH 4

2160SK PZ

3C-SCREWDRIVER WITH STRIKING CAP for cross-head screws Pozi PZ

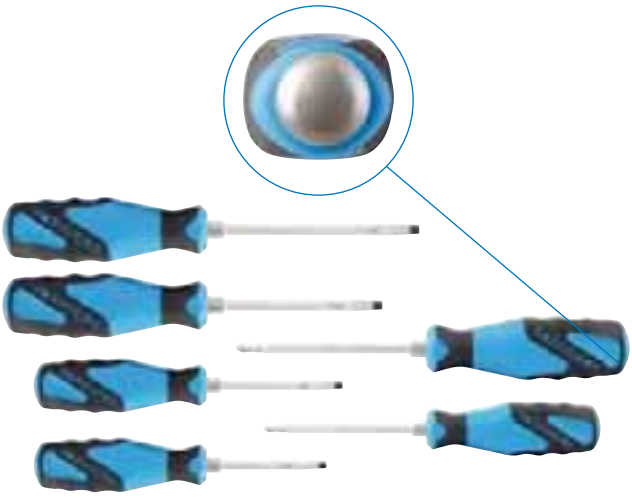
- Acc. to DIN ISO 8764, tip acc. to DIN ISO 8764-1 PZ
- 3-component handles Power-Grip³ with striking cap
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Hexagon blade with additional hexagon bolster
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

PZ	M	mm	mm	mm	kg	Code	No.
1	M2 - M3	80	185	8	0.086	**1845330**	2160SK PZ 1
2	M3,5 - M5	100	205	10	0.148	**1845349**	2160SK PZ 2
3	M5,5 - M7	150	270	13	0.206	**1845357**	2160SK PZ 3

SK 2154 PH-06

3C-SCREWDRIVER SET WITH STRIKING CAP 6 pieces

- Practical set composition in environmentally-friendly cardboard box
- For firmly seated slotted and cross-head screws PH
- Hexagon blade with additional hexagon bolster
- 3-component handles Power-Grip³ with striking cap
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel



Contents	kg	Code	No.
2154SK 4,5 5,5 6,5 8 **2160SK PH 1 2**	0.880	**1878743**	SK 2154 PH-06

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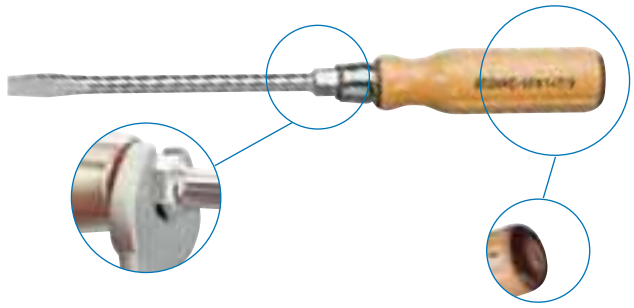
SCREWDRIVER WITH WOODEN HANDLE

147

SCREWDRIVER for slotted head screws

- Similar to DIN ISO 2380-2 Row B+C, blade tip acc. to DIN ISO 2380-1 Form A
- Blade tanged right through the handle, chrome-plated
- GEDORE vanadium steel 50CrV4
- Hardwood handle, clear varnished with leather cap
- Hexagon bolster for higher transmission of force

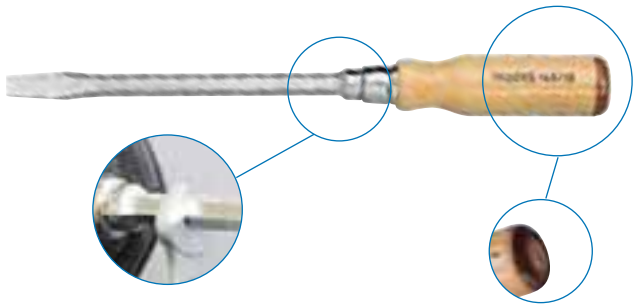


mm	mm	mm	mm	mm	kg	Code	No.
3.5	0.6	75	170	6	0.055	**6413830**	147 3,5
4.5	0.8	90	185	6	0.059	**6413910**	147 4,5
5.5	1.0	100	200	8	0.073	**6414050**	147 5,5
7.0	1.2	125	235	10	0.112	**6414130**	147 7
9.0	1.4	150	270	12	0.166	**6414210**	147 9
10.0	1.6	175	300	12	0.192	**6414480**	147 10
12.0	2.0	200	330	13	0.250	**6414560**	147 12

148

SCREWDRIVER for slotted head screws

- Similar to DIN ISO 2380-2 Row B+C, blade tip acc. to DIN ISO 2380-1 Form A
- Hexagon blade with forged bolster for higher transmission of force
- Blade tanged right through the handle, chrome-plated
- GEDORE vanadium steel 50CrV4
- Hardwood handle, clear varnished with leather cap



mm	mm	mm	mm	mm	kg	Code	No.
5.5	0.8	100	200	6	0.083	**6415020**	148 5,5
7.0	1.0	125	230	7	0.123	**6415100**	148 7
8.0	1.2	150	270	8	0.174	**6415290**	148 8
10.0	1.6	175	300	8	0.233	**6415370**	148 10
12.0	2.0	200	330	12	0.381	**6415450**	148 12
14.0	2.5	250	390	12	0.478	**6415530**	148 14

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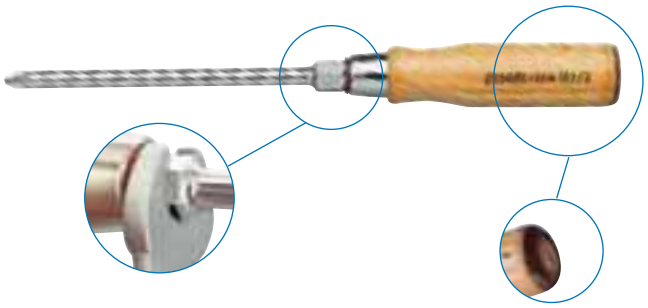
SCREWDRIVER for cross-head screws PH

- Similar to DIN ISO 8764-2, tip acc. to DIN ISO 8764-1 PH
- Blade tanged right through the handle, chrome-plated
- GEDORE vanadium steel 50CrV4
- Hardwood handle, clear varnished with leather cap
- Hexagon bolster for higher transmission of force

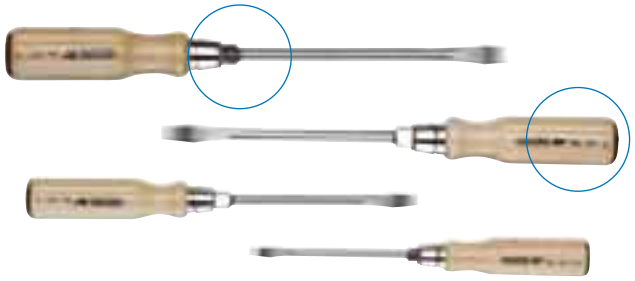


PH						Code	No.
1	M 2 - M 3	80	180	6	0.058	**6429400**	162 1
2	M 3,5 - M 5	100	210	10	0.096	**6429590**	162 2
3	M 6	150	275	12	0.172	**6429670**	162 3
4	M 8 - M 10	200	340	17	0.325	**6429750**	162 4

147-04

SCREWDRIVER SET 4 pieces

- Work-orientated assortment packed in environmentally-friendly cardboard box
- Blade tanged right through the handle, chrome-plated
- GEDORE vanadium steel 50CrV4
- Hardwood handle, clear varnished with leather cap
- Hexagon bolster for higher transmission of force

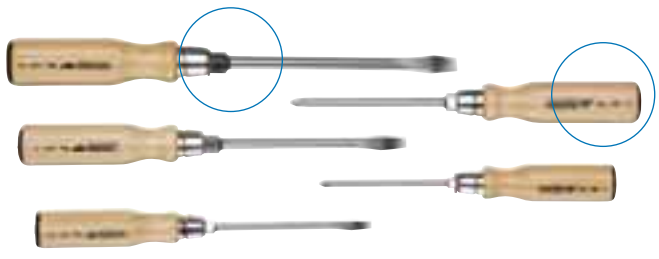


Contents	kg	Code	No.
147 5,5 7 9 10	0.585	**6422820**	147-04

147-162-05

SCREWDRIVER SET 5 pieces

- Work-orientated assortment packed in environmentally-friendly cardboard box
- Blade tanged right through the handle, chrome-plated
- GEDORE vanadium steel 50CrV4
- Hardwood handle, clear varnished with leather cap
- Hexagon bolster for higher transmission of force



Contents	kg	Code	No.
147 5,5 7 9 **162 1 2**	0.535	**6423120**	147-162-05

ELECTRONIC SCREWDRIVER

171 IS

ELECTRONIC SCREWDRIVER for slotted head screws

- Blade in high-alloy chrome-vanadium-molybdenum steel, chrome-plated
- Tip additionally coated for highest precision and corrosion protection
- 2-component-handle in ergonomic design
- Pivoting end cap with micro anti-slip surface
- Colour coding of the drive type

mm			Ø		Code	No.
1.2	155	60	2,5	0.017	**1845004**	171 IS 1,2
1.5	155	60	2,5	0.014	**6436450**	171 IS 1,5
1.8	155	60	2,5	0.017	**1845012**	171 IS 1,8
2.0	155	60	2,5	0.017	**6438660**	171 IS 2
2.5	170	75	2,5	0.020	**1845020**	171 IS 2,5
3.0	195	100	3,0	0.023	**1845039**	171 IS 3

165 PH

ELECTRONIC SCREWDRIVER for cross-head screws PH

- Blade in high-alloy chrome-vanadium-molybdenum steel, chrome-plated
- Tip additionally coated for highest precision and corrosion protection
- 2-component-handle in ergonomic design
- Pivoting end cap with micro anti-slip surface
- Colour coding of the drive type

PH	M			Ø		Code	No.
000		60	155	2,5	0.018	**1845047**	165 PH 000
00		60	155	2,5	0.016	**6442770**	165 PH 00
0	M1,6 - M2	60	155	3,0	0.018	**6442930**	165 PH 0
1	M2-M3	80	175	4,5	0.031	**1845055**	165 PH 1

164 IN

ELECTRONIC SCREWDRIVER for in-hex screws

- Blade in high-alloy chrome-vanadium-molybdenum steel, chrome-plated
- Tip additionally coated for highest precision and corrosion protection
- 2-component-handle in ergonomic design
- Pivoting end cap with micro anti-slip surface
- Colour coding of the drive type

mm			Ø		Code	No.
0,7	60	155	2,5	0.018	**1845063**	164 IN 0,7
0,9	60	155	2,5	0.018	**1845071**	164 IN 0,9
1,3	60	155	2,5	0.017	**6443150**	164 IN 1,3
1,5	60	155	2,5	0.017	**6443230**	164 IN 1,5
2	60	155	2,5	0.019	**6443310**	164 IN 2
2,5	60	155	3,0	0.016	**6443580**	164 IN 2,5
3	60	155	3,5	0.022	**6443740**	164 IN 3

165 TX

ELECTRONIC SCREWDRIVER for recessed TORX® head screws

- Blade in high-alloy chrome-vanadium-molybdenum steel, chrome-plated
- Tip additionally coated for highest precision and corrosion protection
- 2-component-handle in ergonomic design
- Pivoting end cap with micro anti-slip surface
- Colour coding of the drive type
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

	M	mm			Ø		Code	No.
T3	M1,2 - M1,4	1,13	60	155	2,5	0.016	**1845098**	165 TX T3
T4	M1,4	1,29	60	155	2,5	0.016	**1845101**	165 TX T4
T5	M1,8	1,42	60	155	2,5	0.017	**1845128**	165 TX T5
T6	M2	1,69	60	155	3,0	0.019	**1845136**	165 TX T6
T7	M2,5	1,99	60	155	3,0	0.019	**1845144**	165 TX T7
T8	M2,5	2,31	60	155	3,0	0.019	**1845152**	165 TX T8
T9	M3	2,50	60	155	3,0	0.019	**1845160**	165 TX T9
T10	M3 - M3,5	2,74	60	155	3,0	0.020	**1845179**	165 TX T10
T15	M3,5 - M4	3,27	60	155	3,5	0.023	**1845187**	165 TX T15
T20	M4 - M5	3,86	80	175	4,0	0.029	**1845195**	165 TX T20

165-171-06

ELECTRONIC SCREWDRIVER SET 6 pieces

- For slotted head and cruciform head screws PH
- Blade in high-alloy chrome-vanadium-molybdenum steel, chrome-plated
- Tip additionally coated for highest precision and corrosion protection
- 2-component-handle in ergonomic design
- Pivoting end cap with micro anti-slip surface
- Colour coding of the drive type
- In plastic case
- With "Check-Tool-System": 2-colour foam insert to check that the set is complete

Contents		Code	No.
165 PH 000 00 0 **171 IS 1,2 1,8 2,5**	0.385	**1902849**	165-171-06

165 TX-06

ELECTRONIC SCREWDRIVER SET 6 pieces

- For recessed TORX® head screws
- Blade in high-alloy chrome-vanadium-molybdenum steel, chrome-plated
- Tip additionally coated for highest precision and corrosion protection
- 2-component-handle in ergonomic design
- Pivoting end cap with micro anti-slip surface
- Colour coding of the drive type
- In plastic case
- With "Check-Tool-System": 2-colour foam insert to check that the set is complete
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Contents	kg	Code	No.
165 TX T5 T6 T7 T8 T9 T10	0.415	**1902857**	165 TX-06

1021

ELECTRONIC SCREWDRIVER SET 7 pieces

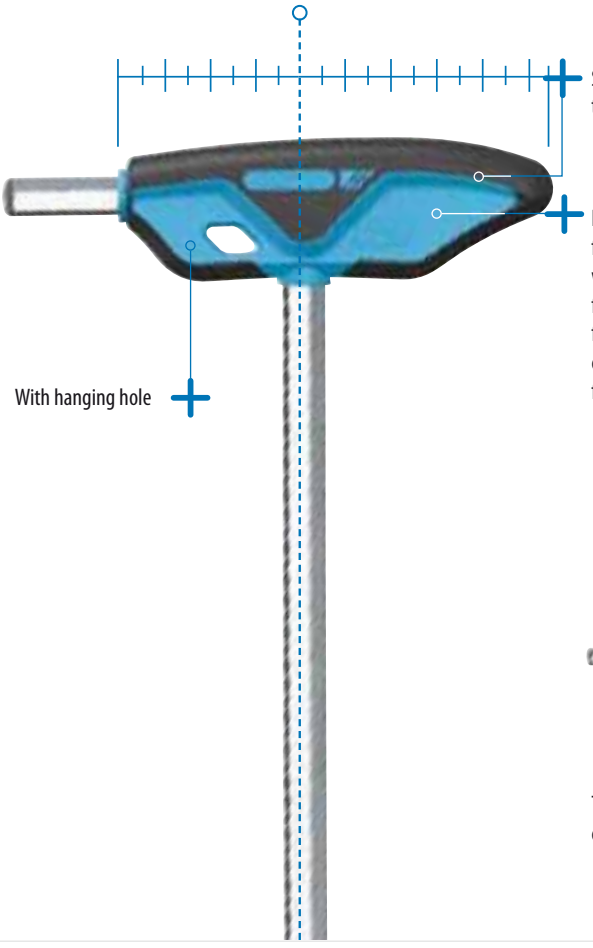
- In plastic case
- Dimensions: 275 x 150 x 42 mm

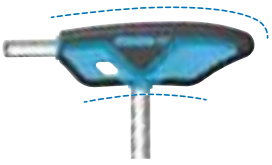
Contents	kg	Code	No.
171 IS 1,2 1,5 2 **165 PH 00 0** **8305-2** **8306-5**	0.624	**6601830**	1021

ELECTRONIC SCREWDRIVER

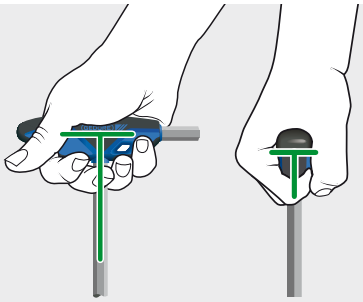
2C-T-Handle

Asymmetrical 2-component wing handle for high torque level when loosening or tightening.
The lengthened wing provides an optimum contact surface for the palm of one's hand.
It thus easily transfers considerable forces in a relaxed hand's position.

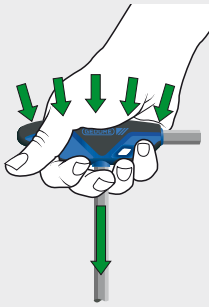




The concave form ensures exact hand centering and stops any blade tilting.



With T-shaped cross-section: broad at the top and slender below. In this way one's hand takes on a firm grip leading to vigorous working over an extended period without any fatigue.

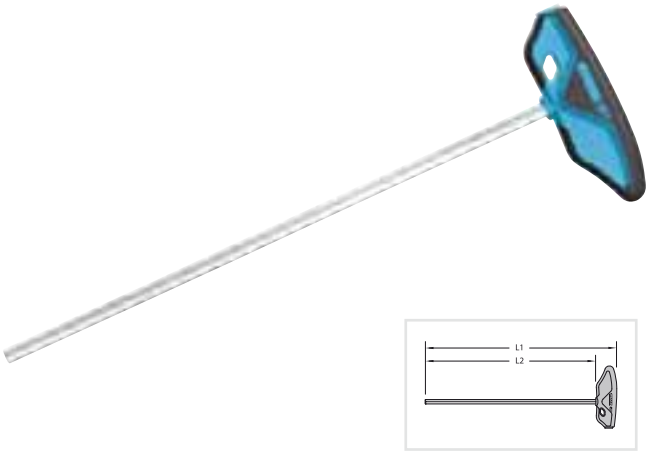


Soft zones where sensitive hand zones grip e.g. finger tips. Hard zones where robust hand zones grip.

2142 T (MM)

HEXAGON ALLEN KEY WITH 2C-T-HANDLE for in-hex screws

- With hanging hole
- GEDORE vanadium steel 61CrSiV5, chromated

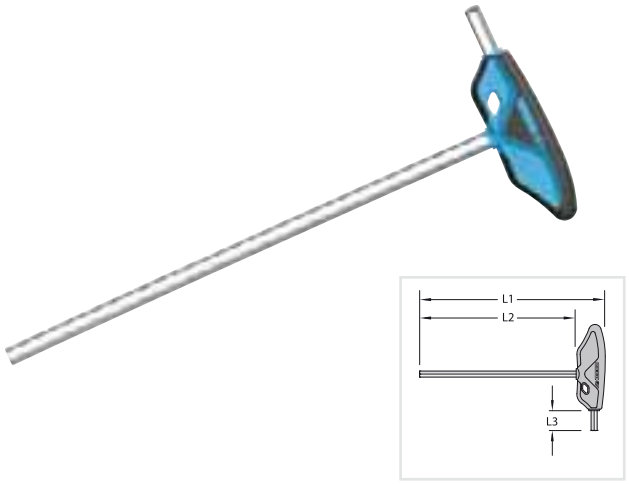


mm	L_1	L_2	kg	Code	No.
2	157	130	0.061	**2647257**	2142 T 2
2,5	187	160	0.091	**2647265**	2142 T 2,5
3	217	190	0.071	**2647273**	2142 T 3
4	248	210	0.080	**2647281**	2142 T 4
5	278	240	0.100	**2647303**	2142 T 5
6	308	270	0.140	**2647311**	2142 T 6
7	328	290	0.160	**2681439**	2142 T 7
8	348	310	0.221	**2647338**	2142 T 8
10	368	330	0.201	**2647346**	2142 T 10

DT 2142

HEXAGON ALLEN KEY WITH 2C-T-HANDLE for in-hex screws

- With hanging hole
- With 2 hexagons, same size each end

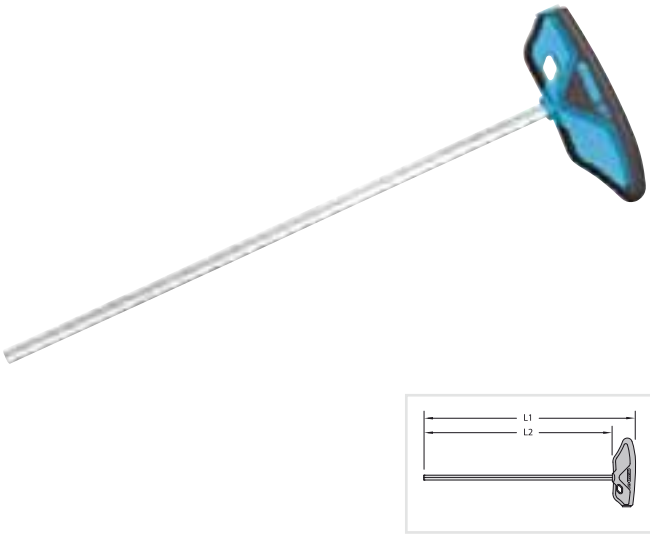


mm	L_1	L_2	L_3	kg	Code	No.
2	112	85	12	0.091	**2488914**	DT 2142 2
2,5	132	105	12	0.071	**2498596**	DT 2142 2,5
3	152	125	12	0.040	**2498618**	DT 2142 3
4	178	140	16	0.080	**2498626**	DT 2142 4
5	198	160	18	0.100	**2502631**	DT 2142 5
6	218	180	21	0.120	**2502658**	DT 2142 6
7	228	190	24	0.251	**2505487**	DT 2142 7
8	243	205	26	0.180	**2507447**	DT 2142 8
10	258	220	28	0.280	**2507471**	DT 2142 10

2142 T (AF)

HEXAGON ALLEN KEY WITH 2C-T-HANDLE for in-hex screws

- With hanging hole
- GEDORE vanadium steel 61CrSiV5, chromated

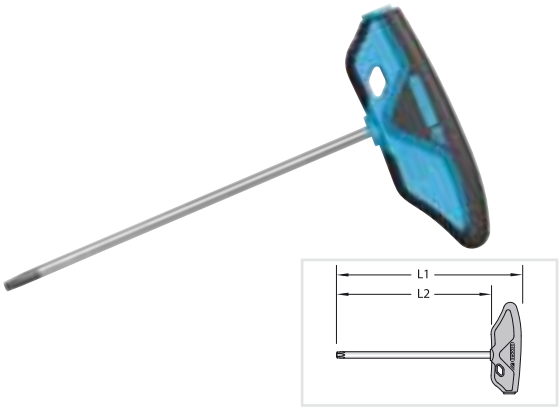


"AF	L_1	L_2	kg	Code	No.
1/8	217	190	0.101	**2647354**	2142 T 1/8AF
5/32	248	210	0.121	**2647362**	2142 T 5/32AF
3/16	278	240	0.100	**2647370**	2142 T 3/16AF
1/4	308	270	0.140	**2647389**	2142 T 1/4AF
5/16	348	310	0.221	**2647397**	2142 T 5/16AF
3/8	368	330	0.201	**2647400**	2142 T 3/8AF

2142 TX

WRENCH KEY WITH 2C-T-HANDLE for recessed TORX® screws

- With hanging hole
- Chrome-vanadium steel, blade chrome-plated, tip gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

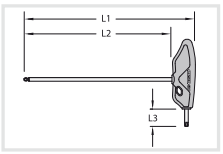


	M	mm	L_1	L_2	kg	Code	No.
T5	M1,8	1,42	112	85	0.081	**2509393**	2142 TX T5
T6	M2	1,70	112	85	0.081	**2511622**	2142 TX T6
T7	M2,5	1,99	112	85	0.081	**2511657**	2142 TX T7
T8	M2,5	2,31	112	85	0.051	**2513072**	2142 TX T8
T9	M3	2,50	132	105	0.071	**2513102**	2142 TX T9
T10	M3 - M3,5	2,74	132	105	0.061	**2513749**	2142 TX T10
T15	M3,5 - M4	3,27	152	125	0.091	**2516934**	2142 TX T15
T20	M4 - M5	3,86	167	140	0.081	**2519062**	2142 TX T20
T25	M4,5 - M5	4,43	178	140	0.091	**2519186**	2142 TX T25
T27	M4,5 - M6	4,99	198	160	0.100	**2521571**	2142 TX T27
T30	M6 - M7	5,52	198	160	0.100	**2521598**	2142 TX T30
T40	M7 - M8	6,65	218	180	0.140	**2521601**	2142 TX T40
T45	M8 - M10	7,82	228	190	0.160	**2521636**	2142 TX T45
T50	M10	8,83	243	205	0.180	**2521644**	2142 TX T50

DT 2143 KTX

CRANKED SOCKET KEY WITH 2C-T-HANDLE for recessed TORX® screws

- Working angle approx. 25°
- With hanging hole
- Chrome-vanadium steel, blades chrome-plated, tip phosphated
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

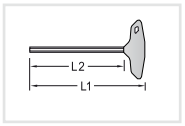


	M	mm	L_1	L_2	L_3	kg	Code	No.
T10	M3 - M3,5	2,74	157	130	12	0.091	**2647486**	DT 2143 KTX T10
T15	M3,5 - M4	3,27	177	150	14	0.081	**2647494**	DT 2143 KTX T15
T20	M4 - M5	3,86	197	170	16	0.071	**2647508**	DT 2143 KTX T20
T25	M4,5 - M5	4,43	228	190	19	0.121	**2647516**	DT 2143 KTX T25
T27	M4,5 - M6	4,99	248	210	22	0.120	**2647524**	DT 2143 KTX T27
T30	M6 - M7	5,52	303	265	25	0.140	**2647532**	DT 2143 KTX T30
T40	M7 - M8	6,65	333	295	28	0.180	**2647540**	DT 2143 KTX T40

42 T (AF)

HEXAGON ALLEN KEY WITH T-HANDLE for in-hex screws

- Blue handle with hanging hole
- GEDORE vanadium steel 61CrSiV5, chromated

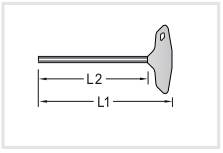


"AF	L_1	L_2	kg	Code	No.
1/8	229	190	0.040	**1996010**	42 T 1/8AF
5/32	249	210	0.068	**1996029**	42 T 5/32AF
3/16	279	240	0.088	**1996037**	42 T 3/16AF
1/4	309	270	0.120	**1996045**	42 T 1/4AF
5/16	349	310	0.190	**1996053**	42 T 5/16AF
3/8	369	330	0.230	**1996061**	42 T 3/8AF

42 T (MM)

HEXAGON ALLEN KEY WITH T-HANDLE for in-hex screws

- Blue handle with hanging hole
- GEDORE vanadium steel 61CrSiV5, chromated

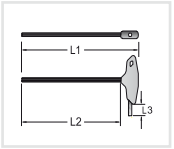


mm	L_1	L_2	kg	Code	No.
2	162.5	130	0.029	**1531360**	42 T 2
2,5	192.5	160	0.036	**6354130**	42 T 2,5
3	222.5	190	0.040	**6353670**	42 T 3
4	249.0	210	0.073	**6353750**	42 T 4
5	279.0	240	0.093	**6353830**	42 T 5
6	309.0	270	0.124	**6353910**	42 T 6
7	329.0	290	0.157	**6366730**	42 T 7
8	349.0	310	0.198	**6354050**	42 T 8
10	369.0	330	0.295	**6354210**	42 T 10

DT 42

HEXAGON ALLEN KEY WITH T-HANDLE for in-hex screws

- Blue handle with hanging hole
- With 2 hexagons, same size each end



mm	L_1	L_2	L_3	kg	Code	No.
2	107.0	87	12.0	0.012	**1476408**	DT 42 2
2,5	127.0	107	12.0	0.015	**1476424**	DT 42 2,5
3	147.0	127	12.0	0.019	**1476432**	DT 42 3
4	173.5	141	15.5	0.049	**1476440**	DT 42 4
5	193.5	161	17.5	0.068	**1476459**	DT 42 5
6	213.5	181	20.5	0.091	**1476467**	DT 42 6
7	231.0	192	28.0	0.142	**1476475**	DT 42 7
8	246.0	207	28.0	0.175	**1476483**	DT 42 8
10	261.0	222	28.0	0.257	**1476491**	DT 42 10

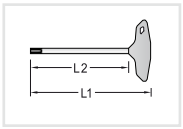
V 42 T 538

1500 CT2-DT 42 109

42 TX

WRENCH KEY WITH T-HANDLE for recessed TORX® screws

- Blue handle with hanging hole
- Chrome-vanadium steel, blade chrome-plated, tip gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



	M	mm	L_1	L_2	kg	Code	No.
T5	M1,8	1,42	107.0	87	0.018	**1531328**	42 TX T5
T6	M2	1,70	107.0	87	0.018	**1531336**	42 TX T6
T7	M2,5	1,99	107.0	87	0.018	**1531344**	42 TX T7
T8	M2,5	2,31	119.5	87	0.033	**1531352**	42 TX T8
T9	M3	2,50	139.5	107	0.038	**6361180**	42 TX T9
T10	M3 - M3,5	2,74	139.5	107	0.041	**6362070**	42 TX T10
T15	M3,5 - M4	3,27	159.5	127	0.042	**6362820**	42 TX T15
T20	M4 - M5	3,86	173.5	141	0.043	**6362900**	42 TX T20
T25	M4,5 - M5	4,43	180.0	141	0.064	**6365330**	42 TX T25
T27	M4,5 - M6	4,99	200.0	161	0.084	**6365410**	42 TX T27
T30	M6 - M7	5,52	200.0	161	0.090	**6365680**	42 TX T30
T40	M7 - M8	6,65	220.0	181	0.115	**6365760**	42 TX T40
T45	M8 - M10	7,82	231.0	192	0.139	**6365840**	42 TX T45
T50	M10	8,83	246.0	207	0.181	**6365920**	42 TX T50

V 42 538

DTT 42

HEXAGON ALLEN KEY for in-hex screws

- With 3 hexagons, same size each end
- T-handle fixed

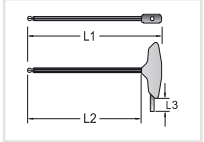
mm	L_1	L_2	L_3	Ø	kg	Code	No.
3	150	75	30	5.0	0.042	**1669540**	DTT 42 3
4	180	90	35	6.0	0.064	**1669559**	DTT 42 4
5	180	90	35	7.0	0.092	**1669567**	DTT 42 5
6	210	105	40	8.0	0.134	**1669575**	DTT 42 6
8	250	125	50	9.5	0.224	**1669583**	DTT 42 8
10	300	150	60	12.0	0.418	**1669591**	DTT 42 10

DT 43 KTX

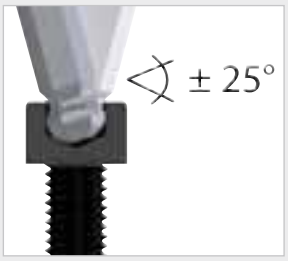
CRANKED SOCKET KEY WITH T-HANDLE for recessed TORX® screws

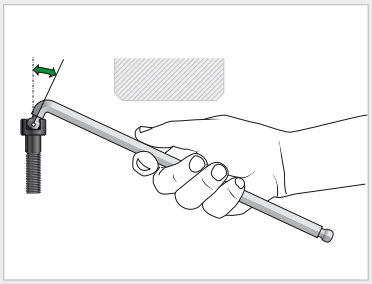
- Working angle approx. 25°
- Blue handle with hanging hole
- Chrome-vanadium steel, blades chrome-plated, tip phosphated
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

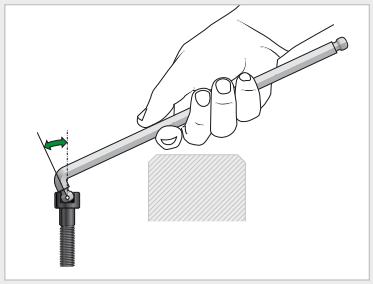
	M	mm	L_1	L_2	L_3	kg	Code	No.
T10	M3 - M3,5	2,74	150	130	12	0.024	**1505521**	DT 43 KTX T10
T15	M3,5 - M4	3,27	170	150	12	0.027	**1505548**	DT 43 KTX T15
T20	M4 - M5	3,86	202	170	16	0.058	**1505556**	DT 43 KTX T20
T25	M4,5 - M5	4,43	222	190	18	0.067	**1505564**	DT 43 KTX T25
T27	M4,5 - M6	4,99	242	210	20	0.094	**1505572**	DT 43 KTX T27
T30	M6 - M7	5,52	279	240	28	0.126	**1505580**	DT 43 KTX T30
T40	M7 - M8	6,65	309	270	28	0.171	**1505599**	DT 43 KTX T40



42 DKEL - The first with two ball ends





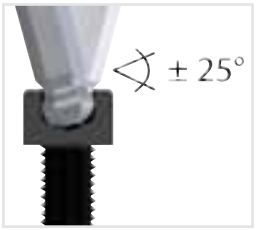


- Two ball ends and an extra short angle side for working optimally in confined spaces
- Positive or negative inclination produces a possible 50° angle of approach (+/- 25°) to the screw axis
- Projecting hindrances can be got round with the two ball ends - rapid work is the outcome
- The GEDORE vanadium steel 59CRV4 with its high manganese share ensures the screwdriver has that strength needed

H 42 DKEL-88

HEXAGON ALLEN KEY SET for in-hex screws, extra long, with double ball end

- Particularly suitable for confined spaces in view of a double ball end and short angled side
- Easy to use where normal hexagon allen keys would fail thanks to improved accessibility and a low profile
- Rapid progress in work since the two ball ends allow protrusions to be gone round
- Reduces the risk of injury to the fingers when working on flat surfaces
- GEDORE vanadium steel 59CrV4, zinc-plated

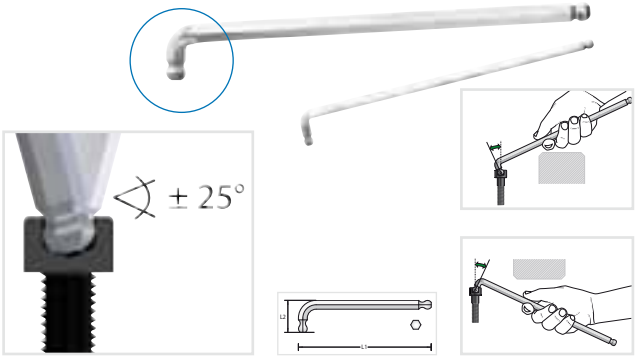


Contents	kg	Code	No.
42 DKEL 2 2,5 3 4 5 6 8 10	0.400	**2797186**	H 42 DKEL-88

42 DKEL

HEXAGON ALLEN KEY for in-hex screws, extra long, with double ball end

- Particularly suitable for confined spaces in view of a double ball end and short angled side
- Easy to use where normal hexagon allen keys would fail thanks to improved accessibility and a low profile
- Rapid progress in work since the two ball ends allow protrusions to be gone round
- Reduces the risk of injury to the fingers when working on flat surfaces
- GEDORE vanadium steel 59CrV4, zinc-plated



mm	L_1	L_2	kg	Code	No.
1,5	89	7.5	0.003	**2797062**	42 DKEL 1,5
2	102	9.0	0.004	**2797089**	42 DKEL 2
2,5	115	10.0	0.006	**2797097**	42 DKEL 2,5
3	129	11.5	0.010	**2797100**	42 DKEL 3
4	144	14.5	0.018	**2797119**	42 DKEL 4
5	165	16.5	0.050	**2797127**	42 DKEL 5
6	186	19.0	0.060	**2797135**	42 DKEL 6
7	197	20.5	0.070	**2797143**	42 DKEL 7
8	205	22.0	0.090	**2797151**	42 DKEL 8
10	227	28.0	0.160	**2797178**	42 DKEL 10

H 42 KEL-88

HEXAGON ALLEN KEY SET for in-hex screws, extra long, with ball end

- In blue plastic holder (LPDE)
- GEDORE vanadium steel 59CrV4, chromated

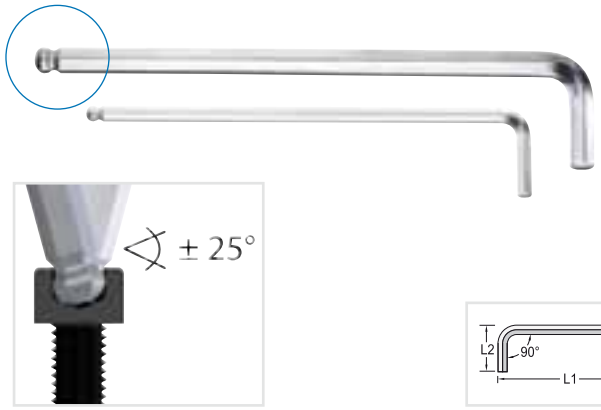
Contents	kg	Code	No.
42 KEL 2 2,5 3 4 5 6 8 10	0.415	**1523988**	H 42 KEL-88

42 KEL

HEXAGON ALLEN KEY for in-hex screws, extra long, with ball end

mm

- GEDORE vanadium steel 59CrV4, chrome-plated



mm	L_1	L_2	kg	Code	No.
1,5	91.5	15.5	0.003	**1563556**	42 KEL 1,5
2	102.0	18.0	0.004	**6370090**	42 KEL 2
2,5	114.5	20.5	0.006	**6370170**	42 KEL 2,5
3	129.0	23.0	0.010	**6370250**	42 KEL 3
4	144.0	29.0	0.019	**6370330**	42 KEL 4
5	165.0	33.0	0.033	**6370410**	42 KEL 5
6	186.0	38.0	0.053	**6370680**	42 KEL 6
7	197.0	41.0	0.076	**1729241**	42 KEL 7
8	208.0	44.0	0.103	**6370760**	42 KEL 8
10	234.0	50.0	0.179	**6370840**	42 KEL 10
12	262.0	57.0	0.287	**6370920**	42 KEL 12

Hexagon Allen Keys

- From GEDORE vanadium steel 61CrSiV5
- Self-designed/built machines from GEDORE's Special Machinery Construction section take up that precision-based manufacturing
- In a similar manner as with hot forging, the fibre course of the steel is not interrupted and thus retains its full strength, toughness and flexibility
- Professional tempering ensures a long service life
- Chamfered nose ends facilitate insertion into the screw head

H 42 EL-88

HEXAGON ALLEN KEY SET for in-hex screws, extra long

mm

- In blue plastic holder (LPDE)
- Acc. to DIN ISO 2936
- GEDORE vanadium steel 61CrSiV5, zinc-plated

Contents	kg	Code	No.
42 EL 2 2,5 3 4 5 6 8 10	0.425	**1505416**	H 42 EL-88

H 42 EL-88 A

HEXAGON ALLEN KEY SET for in-hex screws, extra long

"AF

- In blue plastic holder (LPDE)
- GEDORE vanadium steel 61CrSiV5, zinc-plated

Contents	kg	Code	No.
42 EL 5/64 3/32 1/8 5/32 3/16 7/32 1/4 5/16"	0.300	**1543555**	H 42 EL-88 A

42 EL (MM)

HEXAGON ALLEN KEY for in-hex screws, extra long

mm

- Acc. to DIN ISO 2936
- GEDORE vanadium steel 61CrSiV5, zinc-plated

mm	L_1	L_2	kg	Code	No.
2	102.0	18.0	0.004	**6350810**	42 EL 2 (5/64AF)
2,5	114.5	20.5	0.007	**6351030**	42 EL 2,5
3	129.0	23.0	0.010	**6351110**	42 EL 3
4	144.0	29.0	0.019	**6351380**	42 EL 4
5	165.0	33.0	0.033	**6351460**	42 EL 5
5,5	186.0	38.0	0.047	**1543342**	42 EL 7/32AF (5,5MM)
6	186.0	38.0	0.054	**6351540**	42 EL 6
8	208.0	44.0	0.104	**6351620**	42 EL 8
10	234.0	50.0	0.184	**6351700**	42 EL 10
12	262.0	57.0	0.293	**6351890**	42 EL 12
14	294.0	70.0	0.453	**6351970**	42 EL 14

42 EL (AF)

HEXAGON ALLEN KEY for in-hex screws, extra long

- GEDORE vanadium steel 61CrSiV5, zinc-plated

"AF	L_1	L_2	kg	Code	No.
5/64	102.0	18.0	0.004	**6350810**	42 EL 2 (5/64AF)
3/32	114.5	20.5	0.006	**1543377**	42 EL 3/32AF
1/8	129.0	23.0	0.011	**1543318**	42 EL 1/8AF
5/32	144.0	29.0	0.019	**1543326**	42 EL 5/32AF
3/16	165.0	33.0	0.030	**1543334**	42 EL 3/16AF
7/32	186.0	38.0	0.047	**1543342**	42 EL 7/32AF (5,5MM)
1/4	197.0	41.0	0.065	**1543369**	42 EL 1/4AF
5/16	208.0	44.0	0.103	**1543350**	42 EL 5/16AF
3/8	234.0	50.0	0.167	**1543385**	42 EL 3/8AF
1/2	277.0	63.0	0.355	**1543393**	42 EL 1/2AF
9/16	294.0	70.0	0.475	**1543407**	42 EL 9/16AF

PH 42-88

HEXAGON ALLEN KEY SET for in-hex screws

- In blue plastic holder
- GEDORE vanadium steel 61CrSiV5, zinc-plated

Contents	kg	Code	No.
42 2 2,5 3 4 5 6 8 10	0.245	**6352000**	PH 42-88

H 42-10

HEXAGON ALLEN KEY SET for in-hex screws

- In blue plastic holder (LPDE)
- Acc. to DIN ISO 2936
- GEDORE vanadium steel 61CrSiV5, zinc-plated

Contents	kg	Code	No.
42 1,3 1,5 2 2,5 3 4 5 6 8 10	0.259	**1505408**	H 42-10

42 (MM)

HEXAGON ALLEN KEY SET for in-hex screws

- In blue PVC wallet
- GEDORE vanadium steel 61CrSiV5, zinc-plated

Contents	kg	Code	No.
2 2,5 3 4 5 6 8	0.144	**6347510**	42-07
2,5 3 4 5 6 8 10	0.254	**6349050**	42-70
3 4 5 6 8 10 12 14	0.716	**6347780**	42-08
2 2,5 3 4 5 6 7 8 10	0.297	**6347860**	42-09

42 (MM)

HEXAGON ALLEN KEY for in-hex screws

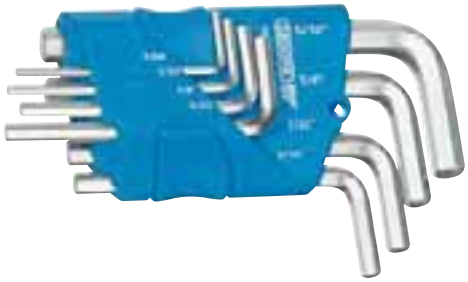
- Acc. to DIN ISO 2936
- GEDORE vanadium steel 61CrSiV5, zinc-plated up to size 12 mm, chrome-plated up from size 14 mm

mm	*	L_1	L_2	kg	Code	No.
0,7		33.0	7.0	0.001	**6342200**	42 0,7
0,9		33.0	11.0	0.001	**6342390**	42 0,9
1,3		41.0	13.0	0.001	**6342470**	42 1,3
1,5		46.5	15.5	0.001	**6340260**	42 1,5
2		52.0	18.0	0.002	**6340340**	42 2 (5/64AF)
2,5		58.5	20.5	0.004	**6340420**	42 2,5
3		66.0	23.0	0.006	**6340500**	42 3
4		74.0	29.0	0.011	**6340690**	42 4
5		85.0	33.0	0.019	**6340770**	42 5
5,5	*	82.0	32.0	0.022	**6344840**	42 7/32AF (5,5MM)
6		96.0	38.0	0.031	**6340850**	42 6
7	*	102.0	41.0	0.044	**6340930**	42 7
8		108.0	44.0	0.061	**6341070**	42 8
9	*	114.0	47.0	0.081	**6341150**	42 9
10		122.0	50.0	0.106	**6341230**	42 10
12		137.0	57.0	0.169	**6341310**	42 12
14		154.0	70.0	0.266	**6341580**	42 14
17		177.0	80.0	0.430	**6341660**	42 17
19		199.0	89.0	0.602	**6341740**	42 19
22		222.0	102.0	0.907	**6341820**	42 22
24		248.0	114.0	1.211	**6341900**	42 24
27		277.0	127.0	1.711	**6342550**	42 27
30		315.0	142.0	2.423	**6342630**	42 30
32		347.0	157.0	3.010	**6342710**	42 32

H 42-88 A

HEXAGON ALLEN KEY SET for in-hex screws

- In blue plastic holder (LPDE)
- GEDORE vanadium steel 61CrSiV5, zinc-plated



Contents	kg	Code	No.
42 5/64 3/32 1/8 5/32 3/16 7/32 1/4 5/16"	0.172	**1505424**	H 42-88 A

42 (AF)

HEXAGON ALLEN KEY SET for in-hex screws

- In blue PVC wallet
- GEDORE vanadium steel 61CrSiV5, zinc-plated

Contents	kg	Code	No.
5/64 3/32 1/8 5/32 3/16 7/32 1/4"	0.103	**6348750**	42-07 A
1/8 5/32 3/16 1/4 5/16 3/8 1/2 9/16"	0.731	**6348830**	42-08 A
5/64 3/32 1/8 5/32 3/16 7/32 1/4 5/16 3/8"	0.257	**6348910**	42-09 A

42 (AF)

HEXAGON ALLEN KEY for in-hex screws

- GEDORE vanadium steel 61CrSiV5, zinc-plated up to size 1/2", chrome-plated up from size 9/16"

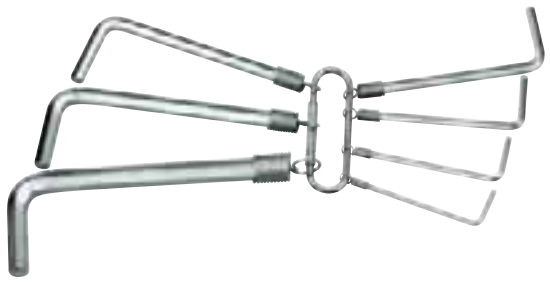
"AF	L_1	L_2	kg	Code	No.
3/64	41.0	13.0	0.002	**6342120**	42 3/64AF
1/16	46.5	15.5	0.002	**6342040**	42 1/16AF
3/32	56.5	20.5	0.004	**6344330**	42 3/32AF
5/64	52.0	18.0	0.002	**6340340**	42 2 (5/64AF)
1/8	60.0	23.0	0.006	**6344410**	42 1/8AF
5/32	67.0	26.0	0.010	**6344680**	42 5/32AF
3/16	73.0	30.0	0.015	**6344760**	42 3/16AF
7/32	82.0	32.0	0.022	**6344840**	42 7/32AF (5,5MM)

"AF	L_1	L_2	kg	Code	No.
1/4	92.0	36.5	0.035	**6344920**	42 1/4AF
5/16	102.0	43.0	0.059	**6345060**	42 5/16AF
3/8	115.0	49.0	0.094	**6345140**	42 3/8AF
1/2	142.0	61.0	0.205	**6345220**	42 1/2AF
9/16	154.0	66.0	0.274	**6345300**	42 9/16AF
5/8	168.0	76.0	0.376	**6345490**	42 5/8AF
3/4	199.0	89.0	0.309	**6345570**	42 3/4AF

S 42-07

HEXAGON ALLEN KEY SET for in-hex screws

- On key ring with quick release
- GEDORE vanadium steel 61CrSiV5, zinc-plated

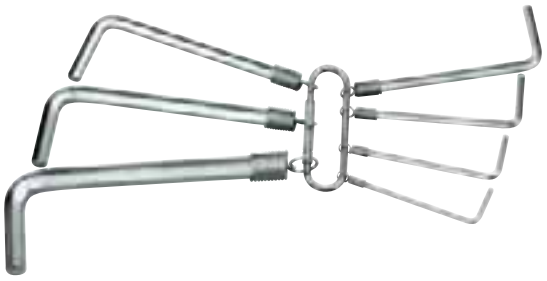


Contents	kg	Code	No.
42 2 2,5 3 4 5 6 8	0.162	**6347430**	S 42-07

S 42-09 A

HEXAGON ALLEN KEY SET for in-hex screws

- On key ring with quick release
- GEDORE vanadium steel 61CrSiV5, zinc-plated



Contents	kg	Code	No.
42 5/64 3/32 1/8 5/32 3/16 7/32 1/4 5/16 3/8"	0.273	**6348160**	S 42-09 A

42 Z

HEXAGON ALLEN KEY with pilot, for in-hex screws

- Acc. to DIN 6911
- Chrome-vanadium steel, zinc-plated
- * not standardised

mm	*	L_1	L_2	kg	Code	No.
3		63	20	0.006	**6342980**	42 Z 3
4		70	25	0.010	**6343010**	42 Z 4
5		80	28	0.019	**6343280**	42 Z 5
6		90	32	0.031	**6343360**	42 Z 6
7	*	95	34	0.042	**6343440**	42 Z 7
8		100	36	0.058	**6343520**	42 Z 8
10		112	40	0.100	**6343600**	42 Z 10
12		125	45	0.162	**6343790**	42 Z 12
14		140	56	0.254	**6343870**	42 Z 14
17		160	63	0.418	**6343950**	42 Z 17
19		180	70	0.584	**6344090**	42 Z 19

SCL 42-70

HEXAGON ALLEN KEY SET for in-hex screws

- In robust metal clip
- GEDORE vanadium steel 61CrSiV5, zinc-plated

Contents	kg	Code	No.
2,5 3 4 5 6 8 10	0.360	**6347350**	SCL 42-70

SCL 42-90 A

HEXAGON ALLEN KEY SET for in-hex screws

- In robust metal clip
- GEDORE vanadium steel 61CrSiV5, zinc-plated

Contents	kg	Code	No.
5/64 3/32 7/64 1/8 9/64 5/32 3/16 7/32 1/4"	0.260	**6354800**	SCL 42-90 A

SCL 43 TX-80

CRANKED SOCKET KEY SET for recessed TORX® screws

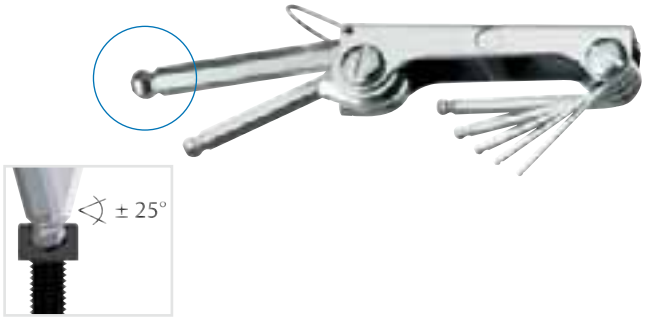
- In robust metal clip
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Contents	kg	Code	No.
43 TX T9 T10 T15 T20 T25 T27 T30 T40	0.286	**6346460**	SCL 43 TX-80

SCL 42 K-70

HEXAGON ALLEN KEY SET for in-hex screws

- In robust metal clip
- Execution K with ball end
- GEDORE vanadium steel 61CrSiV5, zinc-plated

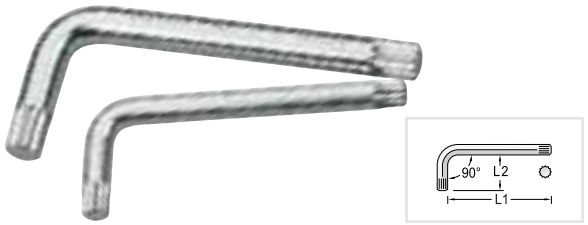


Contents	kg	Code	No.
2,5 3 4 5 6 8 10	0.361	**6371140**	SCL 42 K-70

42 X

CRANKED ALLEN SOCKET SCREWDRIVER for multi-point screws XZN

- Acc. to DIN 65253, tips acc. to DIN 2325
- GEDORE vanadium steel 50CrV4, chromated

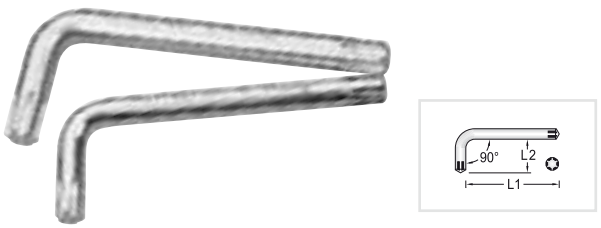


M	L_1	L_2	kg	Code	No.
M 4	63	20	0.009	**1531212**	42 X 4
M 5	75	30	0.015	**6350060**	42 X 5
M 6	86	34	0.025	**6350140**	42 X 6
M 8	98	40	0.043	**6350220**	42 X 8
M 10	110	46	0.085	**6350300**	42 X 10
M 12	124	52	0.124	**6350490**	42 X 12
M 14	139	59	0.191	**6350570**	42 X 14
M 16	156	72	0.308	**6350650**	42 X 16
M 18	178	81	0.333	**6350730**	42 X 18

43

CRANKED SOCKET KEY for multi-spline screws RIBE®

- GEDORE vanadium steel 50CrV4, chromated
- RIBE® = reg. trademark of Richard Bergner GmbH & Co. KG, Schwabach, Germany



M	L_1	L_2	kg	Code	No.
M5	71	25	0.016	**6352270**	43 5
M6	80	28	0.025	**6352350**	43 6
M8	90	32	0.049	**6352430**	43 8
M10	100	36	0.084	**6352510**	43 10
M12	112	40	0.135	**6352780**	43 12
M14	125	45	0.203	**6352860**	43 14

H 43 TX

CRANKED SOCKET KEY SET for recessed TORX® screws

- In blue LDPE holder
- Execution KTX with ball end
- Chrome-vanadium steel 50CrV4, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Contents	kg	Code	No.
43 TX T7 T8 T9 T10 T15 T20 T25 T30 T40	0.120	**1531417**	H 43 TX-09
43 TX T9 T10 T15 T20 T25 T27 T30 T40	0.129	**1531425**	H 43 TX-88
43 TX T10 T15 T20 T25 T27 T30 T40 T45	0.168	**1531433**	H 43 TX-08

43 TX-09

CRANKED SOCKET KEY SET for recessed TORX® screws

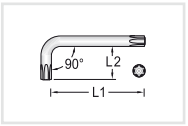
- In blue PVC wallet
- Chrome-vanadium steel 50CrV4, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Contents	kg	Code	No.
43 TX T7 T8 T9 T10 T15 T20 T25 T30 T40	0.115	**6360960**	43 TX-09

43 TX

CRANKED SOCKET KEY for recessed TORX® screws

- Chrome-vanadium steel 50CrV4, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



	M	mm	L_1	L_2	kg	Code	No.
T6	M2	1,69	42	16	0.003	**6363550**	43 TX T6
T7	M2,5	1,99	48	16	0.003	**6363630**	43 TX T7
T8	M2,5	2,31	48	16	0.004	**6363710**	43 TX T8
T9	M3	2,50	48	16	0.004	**6363980**	43 TX T9
T10	M3 - M3,5	2,74	51	17	0.005	**6364010**	43 TX T10
T15	M3,5 - M4	3,27	54	18	0.006	**6364280**	43 TX T15
T20	M4 - M5	3,86	57	19	0.008	**6364360**	43 TX T20
T25	M4,5 - M5	4,43	60	20	0.010	**6364440**	43 TX T25
T27	M4,5 - M6	4,99	64	21	0.016	**6364520**	43 TX T27
T30	M6 - M7	5,52	70	24	0.022	**6364600**	43 TX T30
T40	M7 - M8	6,65	76	26	0.031	**6364790**	43 TX T40
T45	M8 - M10	7,82	83	29	0.046	**6364870**	43 TX T45
T50	M10	8,83	95	32	0.060	**6364950**	43 TX T50
T55	M12	11,22	108	35	0.122	**6365090**	43 TX T55
T60	M14	13,25	120	38	0.187	**6365170**	43 TX T60

H 43 KTX-07

CRANKED SOCKET KEY SET for recessed TORX® screws

- In blue LDPE holder
- With ball end
- Chrome-vanadium steel 50CrV4, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Contents	kg	Code	No.
43 KTX T10 T15 T20 T25 T27 T30 T40	0.169	**1531441**	H 43 KTX-07

43 KTX

CRANKED SOCKET KEY for recessed TORX® screws, with ball end

- Working angle approx. 25°
- Chrome-vanadium steel, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

	M	mm	L_1	L_2	kg	Code	No.
T10	M3 - M3,5	2,74	73	17	0.006	**6367110**	43 KTX T10
T15	M3,5 - M4	3,27	83	17	0.009	**6367380**	43 KTX T15
T20	M4 - M5	3,86	94	18	0.012	**6367460**	43 KTX T20
T25	M4,5 - M5	4,43	96	18	0.015	**6367540**	43 KTX T25
T27	M4,5 - M6	4,99	106	20	0.024	**6367620**	43 KTX T27
T30	M6 - M7	5,52	119	24	0.033	**6367700**	43 KTX T30
T40	M7 - M8	6,65	132	26	0.049	**6367890**	43 KTX T40

708

TORX® GAUGE

- Easy identification of TORX® sizes, internal E4-E16, external T10-T60
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Contents	kg	Code	No.
E4 - E16 **T10 - T60**	0.022	**1394428**	708

173

CRANKED SCREWDRIVER for slotted head screws

- Acc. to DIN 5200, blade tips acc. to DIN ISO 2380-2
- Chrome-vanadium steel, matt nickel-plated

mm	mm	mm	kg	Code	No.
3.5	0.6	90	0.010	**6437180**	173 3,5
4.0	0.8	100	0.013	**6437850**	173 4
5.5	1.0	125	0.025	**6436100**	173 5,5
8.0	1.2	150	0.050	**6436370**	173 8
10.0	1.6	175	0.087	**6437930**	173 10
12.0	2.0	200	0.127	**6436530**	173 12

174

CRANKED SCREWDRIVER for cross-head screws PH

- Acc. to DIN 5208, tips acc. to DIN ISO 8764-1 PH
- Chrome-vanadium steel, matt nickel-plated

PH	M	mm	kg	Code	No.
1-2	M2 - M5	100	0.029	**6436880**	174 1
3-4	M6 - M10	200	0.121	**6436960**	174 3

VOLTAGE TESTER

4610

CAR LIGHT TESTER

- For testing 6-24 Volt
- Compact brass model
- With cable and alligator crimp

Measuring range	mm	kg	Code	No.
6-24 V	125	0.069	**6698570**	4610

4611

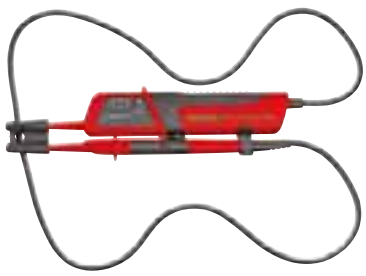
VOLTAGE TESTER

- For 6-24 Volt
- With cable and alligator crimp

mm	mm	mm	kg	Code	No.
3.0	55	115	0.026	**6698650**	4611

4615 — 540

V 4614 PLUS — 540



VARIOUS

149

MAGNETIZER AND DEMAGNETIZER

- Magnetizes or demagnetises screwdrivers, tweezers and similar tools made from steel
- Blue housing, made from high-quality plastic, unbreakable, cadmium-free

L	H	W	kg	Code	No.
52	26	50	0.088	**6416500**	149

156 S

SQUARE BLADED AWL

- Blue handle with hanging hole
- Blade bright nickel-plated

mm	mm	kg	Code	No.
100	200	0.084	**6424520**	156 S

4612 — 612

GEDORE INDIVIDUAL ... CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

Technical Symbols

- Weight (total)
- Length (total)
- Length (total)
- Length (total)
- Length of blade
- Diameter
- Diameter of hole (external)
- Diameter of hole (internal)
- Tip diameter
- Tip diameter
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Depth of opening / overhang
- Depth of opening / Clamping width / Clamping range
- Jaw width / tape width

- Wire rope
- Gripping face cross-hatched
- Gripping face without file-cut
- Gripping face with file-cut
- Jaws, angled 45°
- Flat jaws
- Flat-round jaws
- Round jaws
- Straight jaws
- Flat-round jaws
- Round jaws
- Cutting edge with bevel
- Cutting edge without bevel

- Straight jaws
- Angled jaws 45°
- Angled jaws 90°
- Internal retaining rings
- External retaining rings
- EPA / ESD, electrostatic discharge
- Electronic
- POWER PLIERS
- new
- Catalogue page
- Safety symbols

Pliers range

Service / Features	360 – 363
Combination Pliers	364 – 366
Side Cutters / End Cutting Nippers	367 – 369
Flat Nose / Round Nose Pliers	370 – 372
Mechanics Pliers	373
Bowden cable cutter / Cable Shears	374 – 376
Wire-stripping pliers	377
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Accessories	384
Stripping Tools	385 – 386
Crimping Pliers	387 – 391
Circlip pliers (X-GRIP)	392 – 397
Grip Wrenches	398 – 400
Pipe Wrenches / Special Pliers	401 – 402
Water Pump / Universal Pliers	403 – 405
Bolt Cutters	406 – 407
Pliers assortments	408 – 411

GEDORE pliers

GEDORE pliers: Everything handled securely

- Use of the best-possible steels, most up-to-date machinery and environmentally-friendly production processes
- Our tool specialists vouch for exactness in processing and continuous refinements
- Unique manufacturing processes and special tool treatment bring about the best in results
- Stringent quality checks after each production step ensure a constantly high level
- Professional service up to the development of special customised tools

Powerful gripping made easy

… feel the marked difference with the new GEDORE plier handles

- Fitted with anti-slip nubs and finger protection - for a firm grip
- Ergonomically ideally placed hard and soft elements ensure fatigue-free working
- Kind-to-hands feel, extensive hand contact surface
- Anti-slip nubs support thumb gripping
- They provide thumb with the right hold and ensure reliable plier guidance
- This is true particularly for pulling or rotating movements with the pliers

Precision, dimensioned accuracy and exactness of fitting

- High-grade industrial quality for the toughest forms of continuous use and safety in everyday work
- High bending stiffness thanks to GEDORE special hardened and tempered steel. GEDORE pliers do not fracture or splinter when overloaded but deform under incorrect use, therefore posing a lower risk of injury to the user
- GEDORE pliers rest comfortably in the hand (M/XL/XXL) - the most important requirement, in fact, for non-taxing and safe working

Intelligently designed or the MIN-MAX principle

- Benefits in practical application from optimum utilization made of the laws of leverage.
- Maximum power transfer of the pliers with a minimum effort required
- For the pliers this means: optimum transfer of power - very high cutting performance
- For those using the pliers this means: precise, fatigue-free and ergonomic working
- The specially developed "power pliers" stands up well particularly in hard continuous operations (higher clamping forces with up to 35 % less effort exerted)

Manufacturing process for 8250 Combination Pliers

(1) Blank cropped to size from C50 hardened and tempered steel.

(2) Hot forged in the double forging die. The excess burr is removed under an eccentric press.

(3) The blanks are "normalised" to obtain an even finer-grain, more uniform structure with optimum strength. After descaling, the blanks are calibrated for the following work steps.

(4) The head is machined in a CNC-controlled machining centre. The rivet hole is drilled and counter-bored. The joint clearance and the outer contour are milled. The geometry of the joint area and the coarse and fine toothing are broached.

(5) The joint faces are precision milled. The pliers head takes on its final form.

(6) The moving and fixed pliers legs are riveted together. A smooth-moving joint with no play is the essential requirement for safe one-handed operation.

(7) In a chamber hardening kiln, the pliers are hardened in a protective gas atmosphere, quenched in oil and finally annealed. The design of the hardening kiln ensures that the process gases are uniformly distributed, which has a positive effect on the desired material properties.

(8The cutting edges of GEDORE pliers are once again induction hardened. The additional hardness that this achieves ensures a good cutting performance and a long life between sharpening.

(9) The pliers head is ground to achieve a flush geometry.

(10) The surface is cleaned by sand blasting. The removal of scale and grease is necessary for the follow-on electroplating process.

(11) Nickel-plated and matt-chrome-plated to prevent dazzle. The electrolytically deposited nickel coating provides the corrosion protection. The electroplated chrome improves the look and gives the pliers a perfect finish.

(12) TL pliers are painted black by a robot, using water soluble paint.

(13) The 2-component handles are pressed on and bonded.

(14) The plastic coating on the handles is built up by multiple dipping in liquid immersion compound.

VDE pliers are subjected to an individual test in accordance with DIN EN 60900 / IEC 60900:2004. GEDORE Austria has been a certified manufacturing plant for VDE protective insulated pliers since 2003.

The complete range: form and function perfection

- Extremely wide selection in sizes, finish and grip designs for specialists and non-specialists alike
- Model JC = chrome-plated, 2-component handle protectors
- Model TL = black with blue dipped handle protector
- Available individually or in practical sets, in the module or in assortments

- On request also available with SB pack (plastic hanging clip, Euro perforation for self-service display wallboard)

VDE Tools

532 – 551

Tool Modules

98 – 113

POWER PLIERS

Maximum cutting performance yet with a low level of effort expended thanks to an optimum interaction of cutting geometry, eccentric rivet bearing and ergonomic handle design.

The pliers are hot-forged from high-grade GEDORE special steel and then oil-hardened

- Roughly toothed recess for securely holding screws, pipes etc.
- Anti-slip nubs give the thumb a secure hold when rotating and pulling movements are involved. They thus ensure powerful plier gripping
- Best cutting power (Bcp) reveals the optimum cutting point under perfect power utilisation
- Finger protection ensures maximum safety
- 2-component handles - fatigue-free working even when continuously used
- Power pliers: The effort required in using them is down 35 % on account of the pivot transferred to the front and the resulting lengthened lever.
- Extra high-performance cutting edge thanks to additional GEDORE induction hardening (62 - 64 HRC) for heavy continuous use
- Ergonomically ideally placed hard and soft elements give the grip its GEDORE typical kind-to-hands feel
- Gripping surface with file cut for particularly effective hold especially suitable for thin workpieces

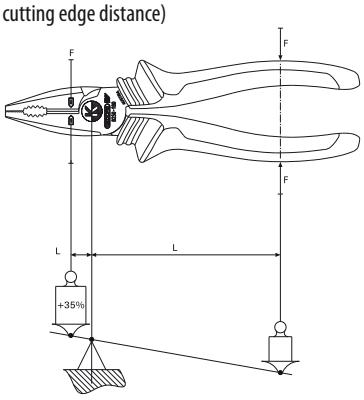
Force equation

ΣM (rivet) = 0 = F(hand) x L(hand) = F(cutting edges) x L(optimum cutting edge distance)

The eccentric pivot point ensures that the hand torque (force x path) applied over the rivet (fulcrum) is effectively and positively translated into cutting force.

$$F(\text{cutting edges}) = \frac{F(\text{hand}) \times L(\text{hand})}{L(\text{optimum cutting edge distance})}$$

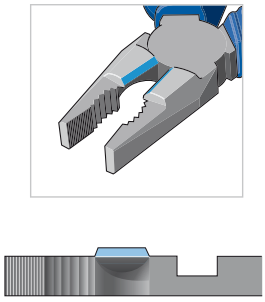
The greatly improved effective length of this design achieves increased cutting force. Optimised lever ratios bring a 35 % reduction in the effort required.



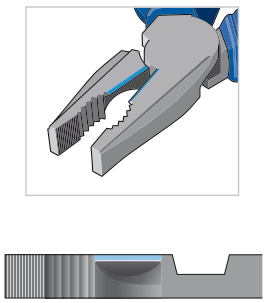
Working principle POWER PLIERS

"K" identifies the GEDORE Power Pliers range, offering increased cutting and gripping force with up to 35 % less effort.

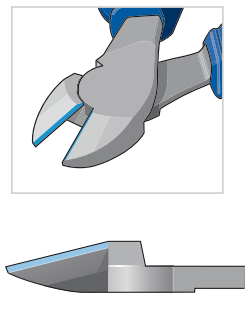
Position of the cutting edges as per DIN ISO 5742



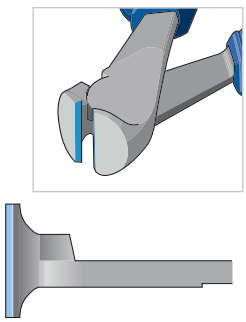
Cutting edge - convex
- For flush cutting.



Cutting edge - inner
- Flush cutting not possible.

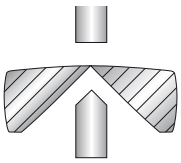


Side cutters
- For effort-saving cutting a number of times. For flush cutting.

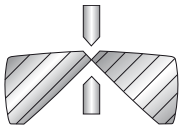


End cutting nippers
- For effort-saving cutting a number of times. E.g. meadow wire fencing. For flush cutting. For flush cutting.

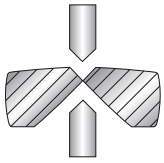
Cutting forms as per DIN ISO 5742



Cutting without cutting bevel (without chamfer)
- For flush cutting of plastics.

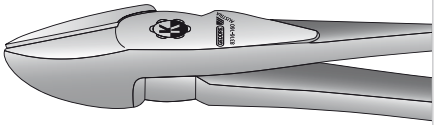


Cutting with a slight cutting bevel (small degree of chamfer)
- Especially for the electronics field.

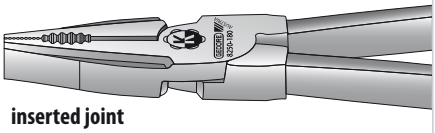


Cutting with cutting bevel (with chamfer)
- Especially for steel wire, piano wire and springs.
- The large chamfer ensures a long service life of the cutting edge.

Joint types



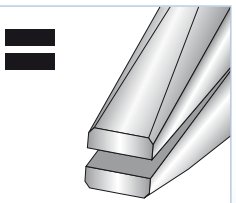
lap joint



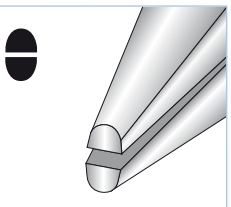
inserted joint

safety-box joint

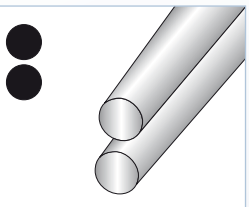
Basic jaw forms



flat jaws



flat/round jaws



round jaws

Care note

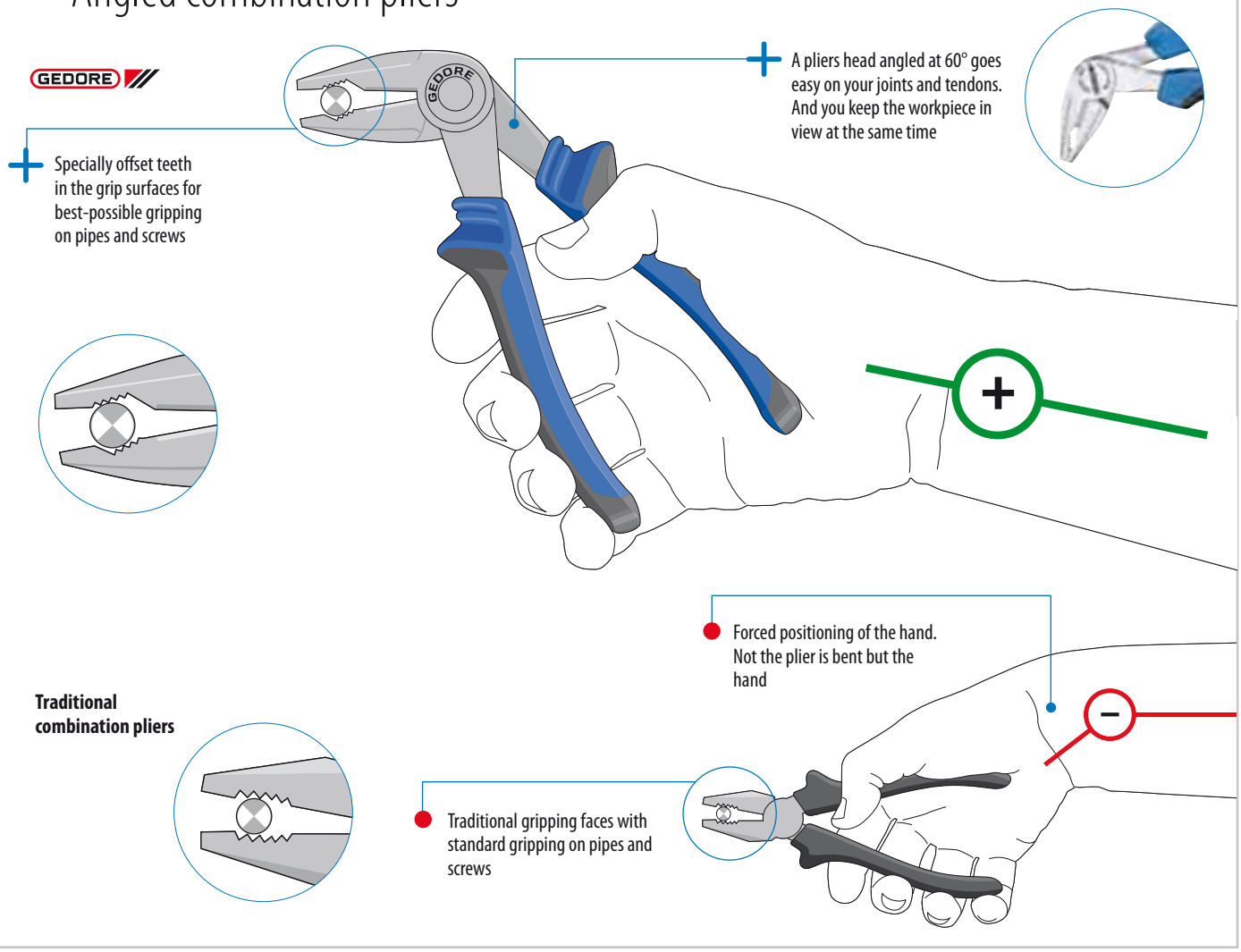
An occasional drop of oil on the joint will ensure that your pliers have a long life.

Wire categories to DIN ISO 5744

Material examples	Wire hardness	Tensile strength N/mm²	
Nail, wire nail, bronze wire	soft	approx. 600	
Wire rope fibre, steel wire	medium-hard	approx. 1600	
Spring-steel wire	hard/Piano wire	approx. 2300	

Safety Notes Pliers 633

8248
Angled combination pliers

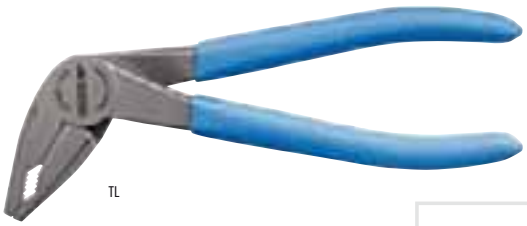


8248

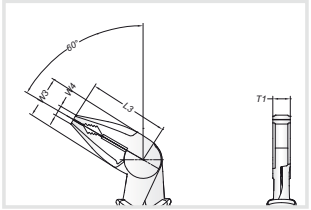
ANGLED COMBINATION PLIERS

- For the toughest of demands
- Combination pliers with a 60° angled pliers head
- Optimum utilisation of the power in one's hands
- No forced positioning of the hand
- Fatigue-free working over a long period made possible
- High-grade GEDORE special hardened and tempered steel for high cutting performance and a long service life
- Induction-hardened precision cutting edges, hardness 63 - 65 HRC
- For all wires including piano wire, 1.6 mm
- Hot-drop forged
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles

JC



TL

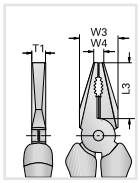


L	L_3	W_3	W_4	T_1	kg	Code	No.
165	46	24	6	10	0.245	**2276585**	8248-160 JC
165	46	24	6	10	0.220	**2276763**	8248-160 TL

8200

SMALL COMBINATION PLIERS

- Practical small combination pliers especially for confined spaces or as car-boot tool
- For flat and round material
- For medium-hard wire, 1.6 mm
- Similar to DIN ISO 5746
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JCP = chrome-plated, with 2-component handle protectors

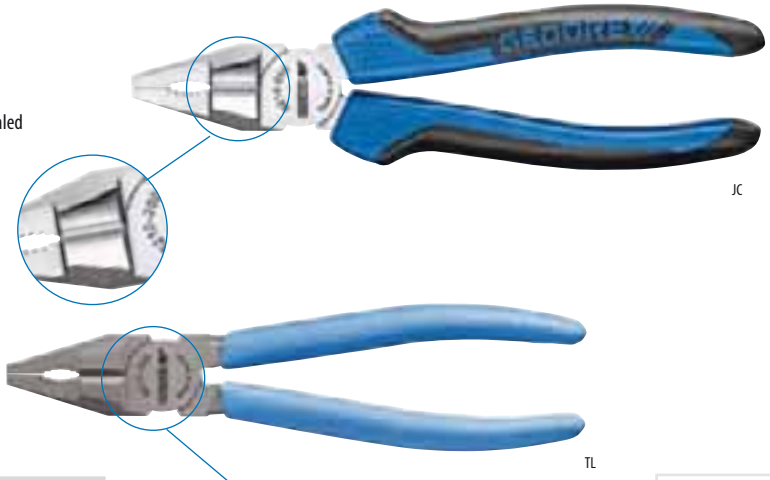


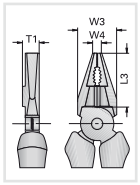
L	L_3	W_3	W_4	T_1	kg	Code	No.
125	25	16	3.2	7.6	0.117	**6730480**	8200-125 JCP

8210

COMBINATION PLIERS German pattern

- Acc. to DIN ISO 5746
- Reinforced type, for tough continuous operations
- Lay-on cutter box
- For flat and round material
- For medium-hard wire, 1.6 mm
- Induction-hardened precision cutting edges, hardness 62 - 64 HRC
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles



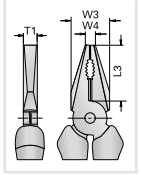


L	L_3	W_3	W_4	T_1	kg	Code	No.
160	34	23.0	5.8	10.8	0.217	**6731100**	8210-160 JC
160	34	23.0	5.8	10.8	0.173	**6711340**	8210-160 TL
180	38	27.0	6.4	11.8	0.284	**6731530**	8210-180 JC
180	38	27.0	6.4	11.8	0.227	**6711420**	8210-180 TL
200	42	29.5	7.4	12.5	0.356	**6732180**	8210-200 JC
200	42	29.5	7.4	12.5	0.296	**6711850**	8210-200 TL

8245

COMBINATION PLIERS Euro pattern

- Acc. to DIN ISO 5746
- Universal model with slimline head, ideal for confined spaces
- Induction-hardened precision cutting edges, hardness 62 - 64 HRC
- For flat and round material
- For medium-hard wire, 1.6 mm
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles



L	L_3	W_3	W_4	T_1	kg	Code	No.
160	34	23.0	5.8	8.8	0.218	**6733070**	8245-160 JC
160	34	23.0	5.8	8.8	0.174	**6730050**	8245-160 TL
180	38	27.0	6.4	9.8	0.280	**6733150**	8245-180 JC
180	38	27.0	6.4	9.8	0.230	**6730210**	8245-180 TL
200	42	29.5	7.4	10.5	0.363	**6733230**	8245-200 JC
200	42	29.5	7.4	10.5	0.297	**6730720**	8245-200 TL

8250 Power combination pliers

Maximum cutting performance yet with a low level of effort expended thanks to an optimum interaction of cutting geometry, eccentric rivet bearing and ergonomic handle design.

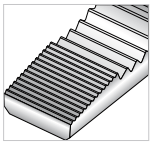
Gripping surface with file-cut for a particularly effective hold

Inductively hardened cutting edges (62 - 64 HRC) ensure constant cutting power over a long time span.

High-grade 2-component handles with finger protection enable work to be done ergonomically and to the exclusion of tiredness

Roughly toothed gripping surfaces for securely holding screws, pipes etc.

Power pliers: The effort required in using them is down 35 % on account of the pivot transferred to the front and the resulting lengthened lever.

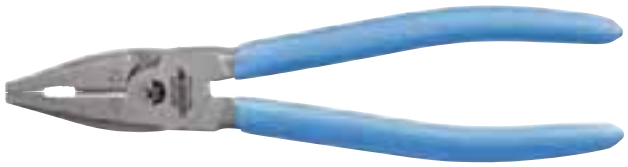


8250

POWER COMBINATION PLIERS

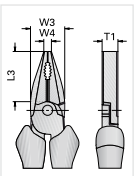
- Acc. to DIN ISO 5746
- For heavy continuous use
- Good lever action for easy cutting
- Induction-hardened precision cutting edges, hardness 62 - 64 HRC
- For flat and round material
- To cut all wire types including piano wire, 1.6 mm
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles

JC



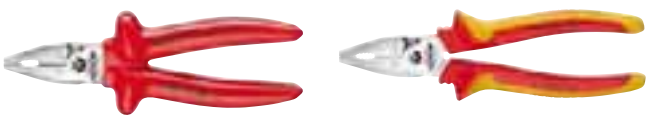
TL

L	L_3	W_3	W_4	T_1	kg	Code	No.
160	35.0	22.8	5.8	10.4	0.225	**1429566**	8250-160 JC
160	35.0	22.8	5.8	10.4	0.180	**1429574**	8250-160 TL
180	38.5	25.6	6.5	11.0	0.282	**6707070**	8250-180 JC
180	38.5	25.6	6.5	11.0	0.227	**6707660**	8250-180 TL
200	39.5	27.0	6.5	12.4	0.360	**6707310**	8250-200 JC
200	39.5	27.0	6.5	12.4	0.288	**6707740**	8250-200 TL
225	42.2	27.7	6.5	13.0	0.351	**6708040**	8250-225 TL



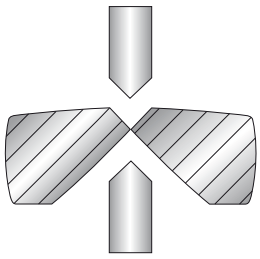
1500 CT1-142 110

VDE 8250 / VDE 8250 H 542

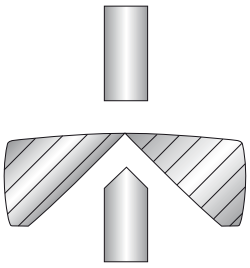


Cutting edge with and without bevel

- Cutting represents chip-free severing
- The most important criterion when cutting is the cutting pressure. It is determined by two factors: the material to be cut and the force to be applied.
- A high cutting pressure is needed for hard materials, such as wire, so as to sever the molecular connection.
- Cutting edges without bevel cut burr-free and are only suitable for soft materials (plastics). Deburring of the cutting edge is no longer required.
- With hard materials their service life is not long enough for economic deployment. Hard material would be crushed and thus compacted. As a result, the material density rises and the cutting pressure has to be raised time and time again until the cutter is completely blunt.
- For a long service life, the cutter is provided with a bevel (also used to be called chamfer) for hard materials. This stops any crushing of the hard material.



Cutter with bevel

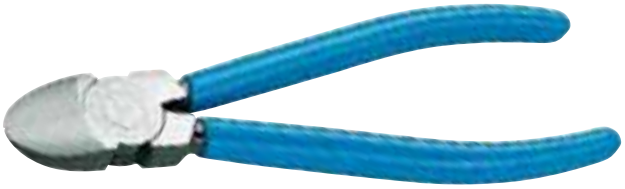


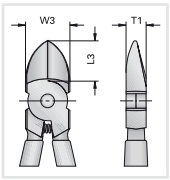
Cutter without bevel

8313

SIDE CUTTER for plastic

- Without cutting edge bevel, for flush cutting of plastic parts or similar soft materials
- Black, cutting faces flat-ground, with compression spring for automatic opening
- With blue dipped non-slip handles (TL)





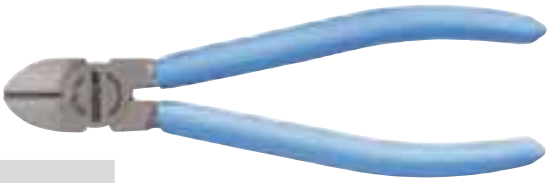
L	L_3	W_3	T_1	kg	Code	No.
125	16.0	17.0	8.5	0.116	**6745910**	8313-125 TL
140	18.5	18.5	9.5	0.131	**6746050**	8313-140 TL
160	19.0	22.0	10.0	0.184	**6746130**	8313-160 TL

8314

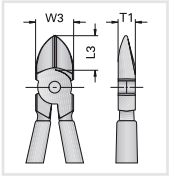
SIDE CUTTER Swedish pattern

- Acc. to DIN ISO 5749
- With slender head - ideal for confined spaces
- Induction-hardened precision cutting edges, hardness 63 - 65 HRC
- For medium-hard wire, 1.6 mm
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles

JC



TL

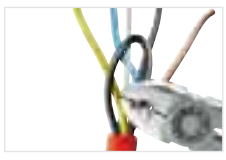


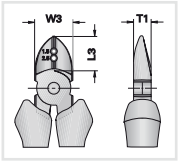
L	L_3	W_3	T_1	Ø	kg	Code	No.
125	16.0	17.0	8.5	1,6	0.146	**6742300**	8314-125 JC
125	16.0	17.0	8.5	1,6	0.107	**6740870**	8314-125 TL
140	18.5	18.5	9.5	1,6	0.176	**6742730**	8314-140 JC
140	18.5	18.5	9.5	1,6	0.129	**6740950**	8314-140 TL
160	19.0	22.0	10.0	1,6	0.230	**6743380**	8314-160 JC
160	19.0	22.0	10.0	1,6	0.173	**6741090**	8314-160 TL

8315

ELECTRICIANS' SIDE CUTTER

- Double-function electricians' side cutters: for cutting and stripping wire
- Stripping notches for single- and multi-core wire, 1.5 mm^2 and 2.5 mm^2 conductor cross-section
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handles





L	L_3	W_3	T_1	mm^2	kg	Code	No.
160	19	22	10	1,5 / 2,5	0.235	**1396722**	8315-160 JC

8316 Power side cutter

Maximum cutting performance yet with a low level of effort expended thanks to an optimum interaction of cutting geometry, eccentric rivet bearing and ergonomic handle design.

Power pliers: The effort required in using them is down 35 % on account of the pivot transferred to the front and the resulting lengthened lever.

Inductively hardened cutting edges (63 - 65 HRC) ensure constant cutting power over a long time span.

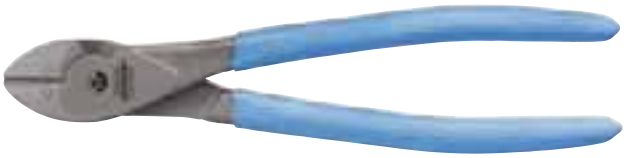
High-grade 2-component handles with finger protection enable work to be done ergonomically and to the exclusion of tiredness

8316

POWER SIDE CUTTER American pattern

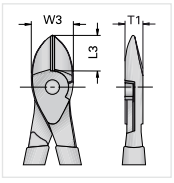
- Acc. to DIN ISO 5749
- Good lever action for easy cutting
- Induction-hardened precision cutting edges, hardness 63 - 65 HRC
- For hard wire/piano wire - values see table
- Max. cutting capacity Ø 1.4 - 2.0 mm
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles

JC



TL

L	L_3	W_3	T_1	Ø	kg	Code	No.
140	17.0	22.0	9.5	1,4	0.175	**6744190**	8316-140 JC
140	17.0	22.0	9.5	1,4	0.146	**6711930**	8316-140 TL
160	19.0	24.5	10.0	1,6	0.236	**6744510**	8316-160 JC
160	19.0	24.5	10.0	1,6	0.195	**6712070**	8316-160 TL
180	22.6	26.0	11.0	1,8	0.265	**1439588**	8316-180 JC
180	22.6	26.0	11.0	1,8	0.225	**1439596**	8316-180 TL
200	22.0	28.0	11.0	2,0	0.340	**6745080**	8316-200 JC
200	22.0	28.0	11.0	2,0	0.270	**6712150**	8316-200 TL



8318

LEVER-ACTION SIDE CUTTER

- For hard wire/piano wire 1.6 mm
- Double-jointed for maximum cutting performance
- Head and joint made from special steel, head gun-metal finished
- Handles chrome-plated and PVC coated

Ø	mm	"inch	kg	Code	No.
1,6	160	6.1/2	0.213	**6745590**	8318-160 TL

8370

LEVER-ACTION END CUTTING NIPPER

- Acc. to DIN ISO 5748
- For hard wire/piano wire - values see table
- Double-lever mechanism for maximum cutting performance
- C65 tool steel, fully forged
- Blue hammer-enamel finish
- * not standardised

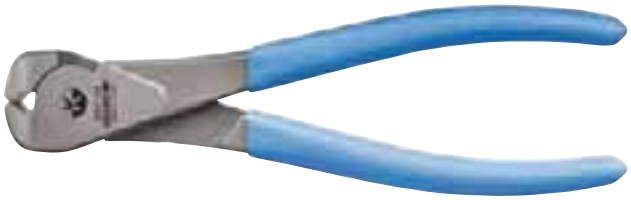
Ø	*	mm	"inch	kg	Code	No.
2		180	7	0.460	**6750830**	8370-180
2		210	8.1/2	0.610	**6751050**	8370-210
2,5	*	235	9.1/4	0.755	**6751210**	8370-235

8367

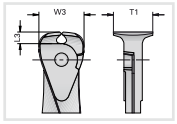
END CUTTING NIPPER POWER

- Acc. to DIN ISO 5748
- Good lever action for easy cutting
- Induction-hardened precision cutting edges, hardness 63 - 65 HRC
- For hard wire/piano wire 1.6 mm
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles

JC



TL

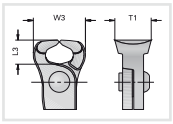


L	L_3	W_3	T_1	Ø	kg	Code	No.
160	6.9	27	23.5	1,6	0.254	**6749150**	8367-160 JC
160	6.9	27	23.5	1,6	0.242	**6712230**	8367-160 TL

8380

TOWER PINCER

- Heavy-duty wire braid and mesh-cutting pincers
- Acc. to DIN ISO 9242, Form A
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- For medium-hard wire, 1.6 mm
- Heads ground, clear varnished, with blue dipped non-slip handles (TL)
- Geometrically optimised head and handle areas for ergonomic use
- In high-quality tool steel

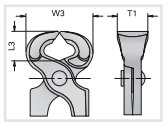


L	L_3	W_3	T_1	kg	Code	No.
230	16	31	22	0.358	**6752020**	8380-225 TL
250	16	35	25	0.423	**6752100**	8380-250 TL
280	16	35	25	0.541	**6752290**	8380-280 TL

8381

PINCER

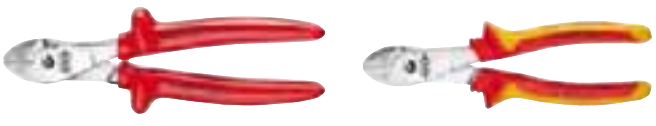
- Standard heavy-duty pincers
- Acc. to DIN ISO 9243, Form A
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- Heads ground, black varnished, with blue dipped non-slip handles (TL)
- In high-quality tool steel



L	L_3	W_3	T_1	kg	Code	No.
160	21.0	48	20	0.258	**6752370**	8381-160 TL
180	21.0	50	23	0.362	**6751800**	8381-180 TL
200	23.5	55	26	0.442	**6751990**	8381-200 TL
225	23.5	55	25	0.514	**6752450**	8381-225 TL
250	23.5	58	27	0.586	**6752530**	8381-250 TL

S 8303 JC 409

VDE 8316 / VDE 8316 H 544

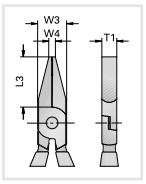


FLAT NOSE / ROUND NOSE PLIERS

8110

FLAT NOSE PLIERS without cutting edge, serrated

- Acc. to DIN ISO 5745
- Short jaws, serrated gripping faces
- For holding and bending
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles

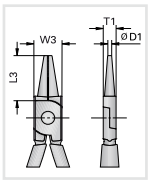


L	L_3	W_3	W_4	T_1	kg	Code	No.
140	28.5	16.5	3.6	8.5	0.154	**6711690**	8110-140 JC
140	28.5	16.5	3.6	8.5	0.118	**6711500**	8110-140 TL

8112

ROUND NOSE PLIERS serrated

- Similar to DIN ISO 5745
- Short jaws, serrated gripping faces
- For gripping and bending
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles

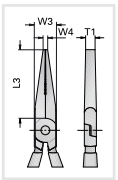


L	L_3	W_3	D_1	T_1	kg	Code	No.
140	29.0	17.0	2.5	8.5	0.146	**6713390**	8112-140 JC
140	28.5	16.5	2.5	8.5	0.110	**6713200**	8112-140 TL

8120

FLAT NOSE PLIERS without cutting edge, serrated

- Acc. to DIN ISO 5745
- Long jaws, serrated gripping faces
- For holding and bending
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles

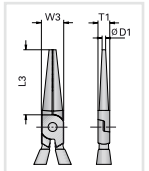


L	L_3	W_3	W_4	T_1	kg	Code	No.
160	51	16.5	3.4	9	0.170	**6715170**	8120-160 JC
160	51	16.5	3.4	9	0.133	**6710370**	8120-160 TL

8122

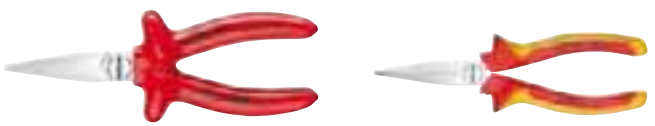
ROUND NOSE PLIERS serrated

- Acc. to DIN ISO 5745
- Long jaws, serrated gripping faces
- For gripping and bending
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles

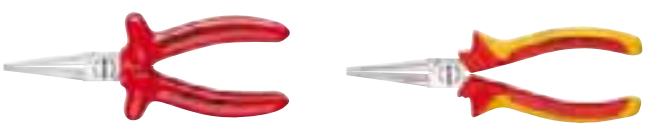


L	L_3	W_3	D_1	T_1	kg	Code	No.
140	40	15.5	2.3	8.2	0.130	**6716490**	8122-140 JC
140	40	15.5	2.3	8.2	0.110	**6710450**	8122-140 TL
160	48	16.5	2.5	8.7	0.150	**6716810**	8122-160 JC
160	48	16.5	2.5	8.7	0.114	**6710530**	8122-160 TL

VDE 8120 / VDE 8120 H 544



VDE 8122 / VDE 8122 H 545

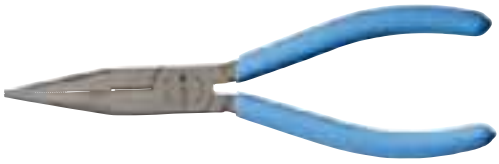


8132

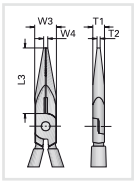
TELEPHONE PLIERS with cutting edge, serrated, straight pattern

- Acc. to DIN ISO 5745
- Long, flat-round jaws, straight gripping faces, serrated
- For holding, gripping, bending and cutting
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles

JC



TL



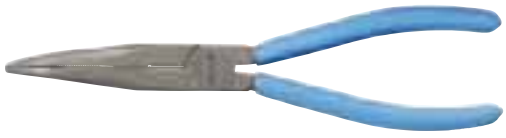
L	L_3	W_3	W_4	T_1	T_2	kg	Code	No.
140	42.0	15.0	2.5	7.8	2.0	0.125	**6718860**	8132-140 JC
140	42.0	15.0	2.5	7.8	2.0	0.104	**6710610**	8132-140 TL
160	50.0	16.5	3.2	9.0	2.5	0.166	**6719240**	8132-160 JC
160	50.0	16.5	3.2	9.0	2.5	0.129	**6710880**	8132-160 TL
200	75.7	18.5	3.7	9.5	2.8	0.225	**6719670**	8132-200 JC
200	75.7	18.5	3.7	9.5	2.8	0.186	**6710960**	8132-200 TL

8132 AB

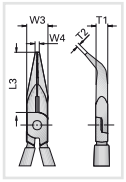
BENT NOSE TELEPHONE PLIERS with cutting edge, serrated, angled pattern

- Similar to DIN ISO 5745
- Long, flat-round jaws, angled gripping surfaces, serrated
- 45 ° angled tips make gripping round the corner possible
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles

JC



TL

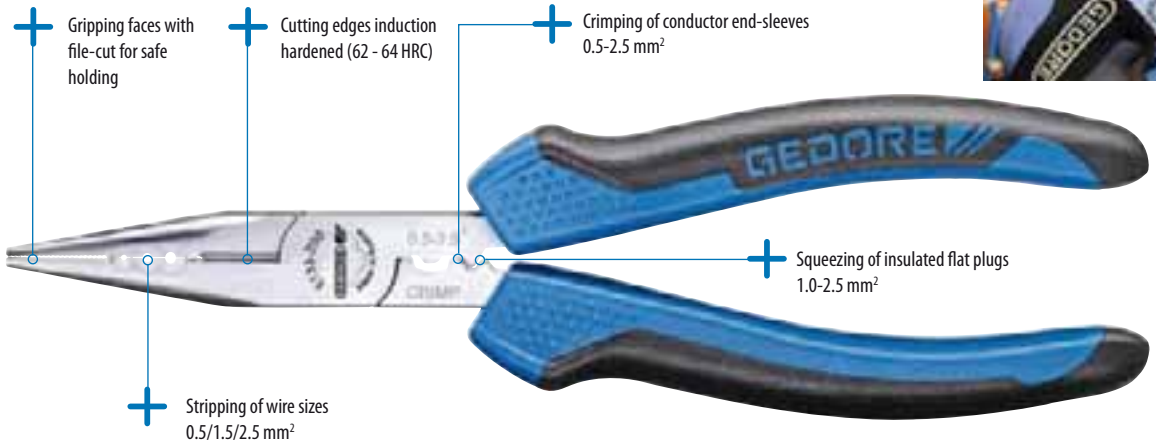


L	L_3	W_3	W_4	T_1	T_2	kg	Code	No.
160	46.0	16.5	3.2	9.0	2.5	0.163	**6720920**	8132 AB-160 JC
160	46.0	16.5	3.2	9.0	2.5	0.125	**6711180**	8132 AB-160 TL
200	70.5	18.5	3.7	9.5	2.8	0.225	**6721300**	8132 AB-200 JC
200	70.5	18.5	3.7	9.5	2.8	0.190	**6711260**	8132 AB-200 TL

S 8303 JC 409

VDE 8132 / VDE 8132 H 545

8133 Multiple pliers



8133

MULTIPLE PLIERS with cutting edge, serrated, straight pattern

- Multifunctional pliers for the mechanical and electronic fields
- Holding, cutting, insulation-stripping, crimping, squeezing
- Flat-round jaws, straight gripping faces, serrated
- Induction-hardened precision cutting edges, hardness 62 - 64 HRC
- For medium-hard wire, 1.6 mm
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles

JC

TL

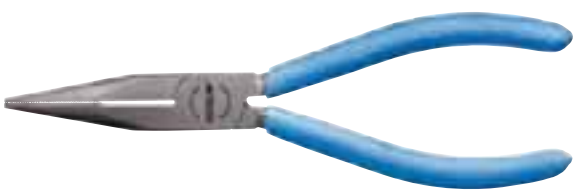
mm	kg	Code	No.
180	0.180	**6722110**	8133-180 JC
180	0.160	**1997394**	8133-180 TL
200	0.200	**2676079**	8133-200 JC
200	0.180	**2676087**	8133-200 TL

8135

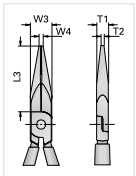
TELEPHONE PLIERS without cutting edge, serrated, straight pattern

- Acc. to DIN ISO 5745, straight pattern
- Flat-round tapered jaws, cross-hatched gripping surfaces and fine-tipped nose
- Also suitable as needle nose soldering pliers
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles

JC



TL

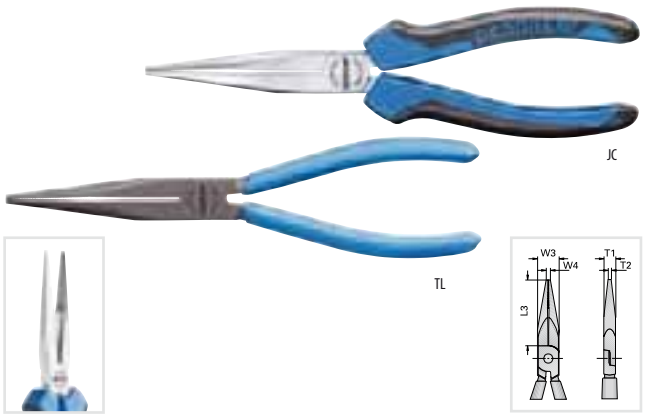


L	L_3	W_3	W_4	T_1	T_2	kg	Code	No.
140	42	15.0	2.5	7.8	2.0	0.108	**6722460**	8135-140 TL
160	50	16.5	3.2	9.0	2.5	0.166	**6722540**	8135-160 JC
160	50	16.5	3.2	9.0	2.5	0.142	**6722620**	8135-160 TL

8136

MECHANICS PLIERS without wire cutter, straight pattern

- Acc. to DIN ISO 5745
- Flat-round tapered jaws, cross-hatched gripping surfaces
- For holding, gripping and bending
- Fine-tipped nose, for safe work in confined spaces
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles

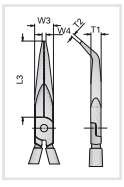


L	L_3	W_3	W_4	T_1	T_2	kg	Code	No.
200	75.7	18.5	3.7	9.5	2.8	0.241	**6722700**	8136-200 JC
200	75.7	18.5	3.7	9.5	2.8	0.201	**6722890**	8136-200 TL

8136 AB

MECHANICS PLIERS without wire cutter, angled pattern

- Similar to DIN ISO 5745
- Flat-round tapered jaws, cross-hatched gripping surfaces
- 45° angled tips make gripping round the corner possible
- Fine-tipped nose, for safe work in confined spaces
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles

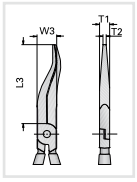


L	L_3	W_3	W_4	T_1	T_2	kg	Code	No.
200	70	18.5	3.7	9.5	2.8	0.239	**6722970**	8136 AB-200 JC
200	70	18.5	3.7	9.5	2.8	0.201	**6723000**	8136 AB-200 TL

8137

MECHANICS PLIERS without wire cutter, offset pattern

- Flat-round tapered jaws, cross-hatched gripping surfaces
- Fine-tipped nose
- Gently-curved jaws enable holding and gripping to be done in inaccessible places
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handles

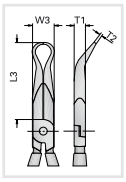


L	L_3	W_3	T_1	T_2	kg	Code	No.
200	74	18.5	9.5	2.8	0.231	**6723190**	8137-200 JC

8138

MECHANICS PLIERS without wire cutter, 30° angled

- 30 ° angled flat-round tapered, hooked jaws, cross-hatched gripping surfaces 30 °, fine-tipped nose
- For safe gripping, positioning and loosening of round, oval and angular parts
- Ideal for spark plug connectors and all kinds of hoses (e.g. radiator hoses)
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handles

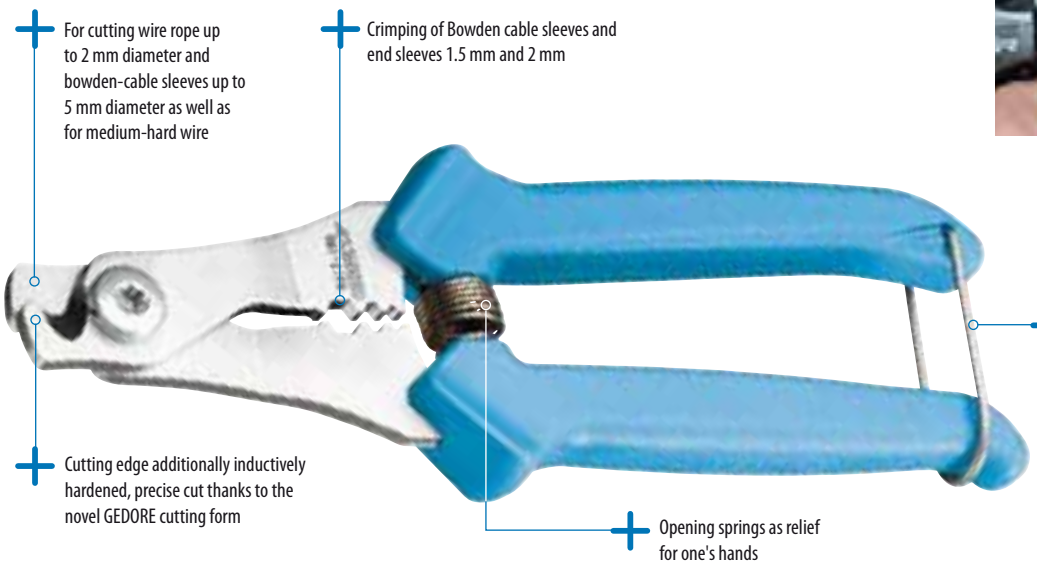


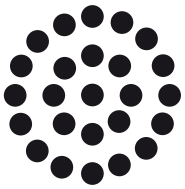
L	L_3	W_3	T_1	T_2	kg	Code	No.
200	68	18.5	9.5	2.8	0.234	**6723350**	8138-200 JC

On application

8385
Wire twisting pliers
405

8317 Bowden cable cutter/Wire rope cutter





8317

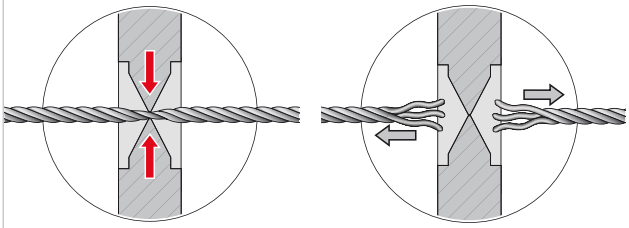
BOWDEN CABLE CUTTER/WIRE ROPE CUTTER

- Crimping of bowden-cable sleeves and end-sleeves 1.5 mm and 2 mm
- For cutting wire rope up to 2 mm diameter and bowden-cable sleeves up to 5 mm diameter as well as for medium-hard wire
- With opening spring, transport lock and width adjustment
- Induction-hardened cutting edges
- Innovative GEDORE cutting form produces a precision cut
- Low overall weight
- DBGM (= German Utility Patent)

⟷ mm ⟷	kg	Code	No.
170	0.150	**2011638**	8317-160 JC

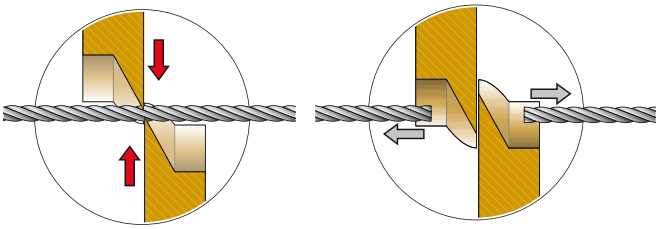
Bolt Cutter

- Notch cut; the cutters press into the material and create a notch. The material is compacted and thus separated.
- The wire rope is compressed and thus loses its circular cross-section at the cut. The wire rope fans out as a result.



GEDORE wire rope cutter

- Shearing cut - the cutting plates slide past each other and in this way dissect the material.
- The wire rope is cleanly cut and retains its circular cross-section. It does not fan out.



Splicing:

- The old seafaring ability to separate the rope into its individual strands so as to then braid them into a loop or lengthen the rope with another rope without knotting.

Fanning out:

- Fanning out - that is separating off into individual strands - is not wanted when cutting wire ropes. It is a very laborious business to splice wire ropes. That is why more up-to-date ways are available to incorporate loops in wire ropes. However, they require a smooth cut without any spliced strands.

8320 JL

WIRE ROPE CUTTER

Execution:
- Easy-to-change cutting plates
- Cutting plates of powder metallurgical high-speed steel (HSS). Manufactured in the MIM process (**M**etal **I**njection **M**olding)
- Extremely high durability compared to traditional wire rope cutters
- Extremely soft shearing cut reliably prevents the wire rope from fanning out
- **Tip**: Can be operated with one hand of an average size up to a 5 mm Ø. Therefore optimally suited as shears in an emergency at sea.

Jaws/Cutting edges:
- Specially arched cutting edges
- Easy to replace cutting plates if worn
- Hardness 62 - 65 HRC
- Low force needed due to the optimum cutting-edge geometry
- Two integrated press profiles for Bowden cable terminal sleeves and cable end sleeves

Cutting performance:
- Wire ropes up to 1800 N/mm² with max. 6 mm Ø
- (e.g. stainless steel wire ropes, wire ropes with steel and textile cores, Bowden cables, shears)
- Wire up to 750 N/mm² with max. 4 mm Ø
- (e.g. nails/wire nails, screws, bolts, ceiling banners)
- Single- and multi-core copper and aluminium cables with max. 6 mm Ø

Joint:
- Adjustable joint for precise cutting plate guidance
- Latch to prevent unwanted opening

Handles:
- JL = with 2-component grip protection covers

Material/Finish:
- Plier body hot drop-forged
- Clear varnished

⊢mm⊣	kg	Code	No.
200	0.480	**2788799**	8320-200 JL

E-8320

SET OF SPARES FOR WIRE ROPE CUTTER

- Consisting of: 2 cutting plates, 2 screws , 1 TORX® cranked socket key

Code	No.
2830779	E-8320-200

CABLE SHEARS

8093

CABLE SHEARS

- For cutting multi-core copper and aluminium cables up to Ø 27 mm
- Not suitable for wire ropes and steel wire
- New cutting-edge geometry for a clean, smooth cut
- Optimum lever action requires less effort
- Compact design, low weight
- Cutter head made from forged special tool steel
- High-strength tubular aluminium handles, powder-enamelled, with rubber grips

Ø	mm²	|◂ mm ▸|	|◂ "inch ▸|	kg	Code	No.
27	150	505	20	1.056	**6724830**	8093

- The different cutting-edge geometry is ideal for plastic-coatings or copper and aluminium strands.

First cut/coat cut:

- Even with larger cable diameters the single-hand operation is retained.

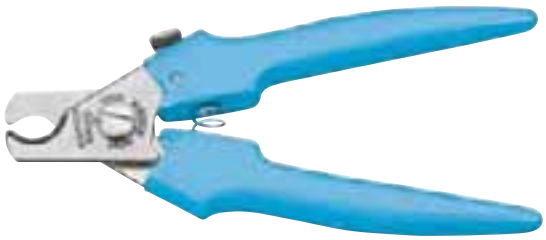
Second cut / dividing wires:

- For larger cable diameters the change into the second cut enables the final separation of the strands in single-hand operation.

8095

CABLE SHEARS

- Shear's head in stainless steel, opens automatically
- With impact-resistant plastic handles
- With practical closure
- For wire up to 10 mm²



mm²	|◂ mm ▸|	|◂ "inch ▸|	kg	Code	No.
10	160	6.1/2	0.134	**6707820**	8095-160

VDE 8094 — 541

8094

CABLE SHEARS

- For cutting multi-core copper and aluminium cables up to Ø 20 mm
- When using first and final cuts, the diameter increases to Ø 25 mm
- The handle width remains within the range of ergonomic single-hand operation
- First cut: Use the front blade to cut the cable sheath
- Final cut: Place the cable in the back blade and separate the wire(s)
- Cutting edges additionally inductively hardened
- Precision ground for optimum action, new cutting-edge geometry
- Adjustable screw joint with finger protection
- Not suitable for steel wire or hard-drawn copper wire
- Special hardened and tempered steel, forged, gun-metal finish, with dipped handle grips

Ø	mm²	|◂ mm ▸|	|◂ "inch ▸|	kg	Code	No.
20	70	200	8.1/2	0.329	**6724910**	8094

STRIPPING PLIERS

8097

STRIPPING PLIERS automatic

- With V-shaped cutting knife
- For stripping single-strand conductors 0.2 - 6.0 mm²
- Adjustable stripping length
- With wire cutter up to 2 mm

mm	inch	mm²	kg	Code	No.
200	8	0,2-6	0.193	**6702940**	8097

VDE 8098 / VDE 8098 H 542

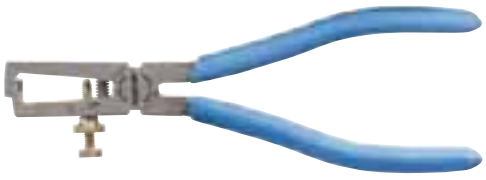
S 8200 JC 408

8098

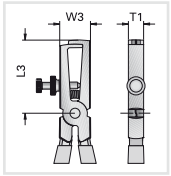
STRIPPING PLIERS

- Opens automatically, with spring and adjusting screw
- V-shaped cutting jaws for stripping the plastic insulation of single- and multi-core conductors
- Adjuster and counter screws for easy setting to the desired wire or flex diameter
- For 0.8 - 6.0 mm wires²
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, 2-component handles with secure-grip hand protection
- TL = clear varnished, with blue dipped handle protectors

JC



TL



L	L_3	W_3	T_1	mm²	kg	Code	No.
160	43.5	18.5	8.5	0,8-6	0.198	**6708630**	8098-160 JC
160	43.5	18.5	8.5	0,8-6	0.153	**6710020**	8098-160 TL

8099

STRIPPING PLIERS STRIP-FIX

- Self-adjusting, for wires 0.5 - 5.0 mm²
- V-shaped cutting jaws for stripping the plastic insulation of single and multi-core conductors
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JCP = chrome-plated, with 2-component handle protectors
- Pair of spare knives no. E-8099

mm	inch	mm²	kg	Code	No.
160	6.1/2	0,5-5	0.217	**6709520**	8099-160 JCP

E-8099

PAIR OF SPARE KNIVES for stripping pliers STRIP-FIX

kg	Code	No.
0.012	**5709580**	E-8099

ELECTRONIC PLIERS

Electronic Pliers

- For bending, straightening and assembly work in the electronic and precision mechanical sector
- GEDORE ESD-electronic-pliers dissipate electrostatic energy in a slow, controlled manner
- Surfaces: Ground-steel - no flaking chrome parts to cause faults in electronic circuitry

ESD = electrostatic discharge protection

ELECTRONIC PLIERS SET

S 8305 ESD

ELECTRONIC PLIERS SET 6 pieces

- In artificial leather wallet
- Dimensions: L 230 x W 165 x H 55 mm
- With microbfibre cloth 8305 MT

Contents	kg	Code	No.
8305-9	0.680	**1955551**	S 8305 ESD
8306-6			
8307-3			
8307-4			
8306-1			
8308-1			
8305 MT			

ELECTRONIC SIDE CUTTERS

Induction-hardened precision cutting edges, 61-63 HRC

BL [JL] = Jaw length

SL [CL] = Cutting edge length

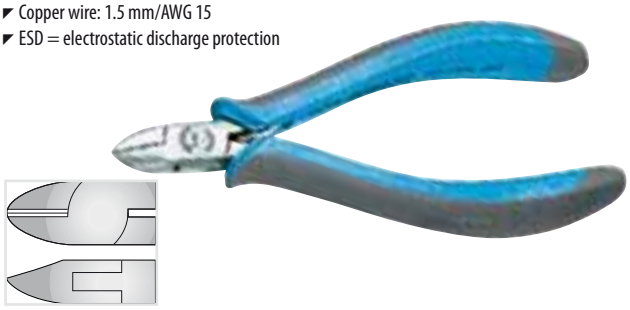
8306-1

ELECTRONIC SIDE CUTTER

- Oval head, with bevel
- Induction-hardened precision cutting edges, 61 - 63 HRC

Cutting values:

- Hard wire: 0.4 mm/AWG 26
- Soft steel: 1.0 mm/AWG 18
- Copper wire: 1.5 mm/AWG 15
- ESD = electrostatic discharge protection



CL	mm	kg	Code	No.
12	125	0.080	**6726450**	8306-1

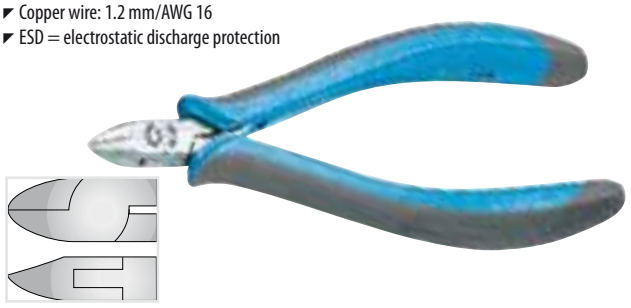
8306-2

MINIATURE ELECTRONIC SIDE CUTTER

- Short, oval head, with fine bevel
- Induction-hardened precision cutting edges, 61 - 63 HRC

Cutting values:

- Soft steel: 0.6 mm/AWG 22
- Copper wire: 1.2 mm/AWG 16
- ESD = electrostatic discharge protection



CL	mm	kg	Code	No.
9	120	0.071	**6726530**	8306-2

8306-4

ELECTRONIC SIDE CUTTER

- Oval head, with fine bevel
- Induction-hardened precision cutting edges, 61 - 63 HRC

Cutting values:

- Soft steel: 1.0 mm/AWG 18
- Copper wire: 1.5 mm/AWG 15
- ESD = electrostatic discharge protection

CL	mm	kg	Code	No.
14	125	0.081	**6727180**	8306-4

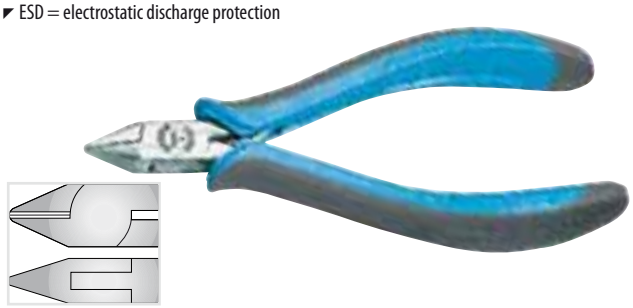
8306-5

MINIATURE ELECTRONIC SIDE CUTTER

- Pointed head, with fine bevel
- Induction-hardened precision cutting edges, 61 - 63 HRC

Cutting values:

- Hard wire: 0.4 mm/AWG 26
- Soft steel: 1.0 mm/AWG 18
- Copper wire: 1.2 mm/AWG 16
- ESD = electrostatic discharge protection



CL	mm	kg	Code	No.
12	125	0.079	**6727340**	8306-5

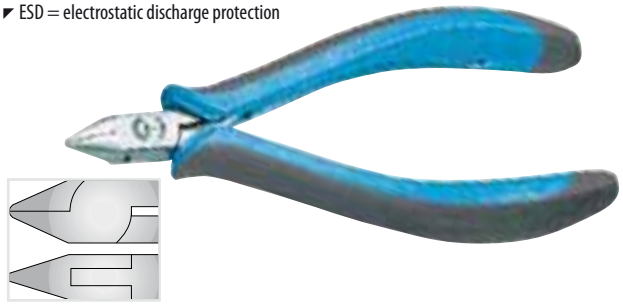
8306-6

MINIATURE ELECTRONIC SIDE CUTTER

- Short, head pointed and flattened (relief-milled), with fine bevel
- Induction-hardened precision cutting edges, 61 - 63 HRC

Cutting values:

- Soft steel: 0.6 mm/AWG 22
- Copper wire: 1.0 mm/AWG 18
- ESD = electrostatic discharge protection



CL	mm	kg	Code	No.
10	120	0.072	**6727500**	8306-6

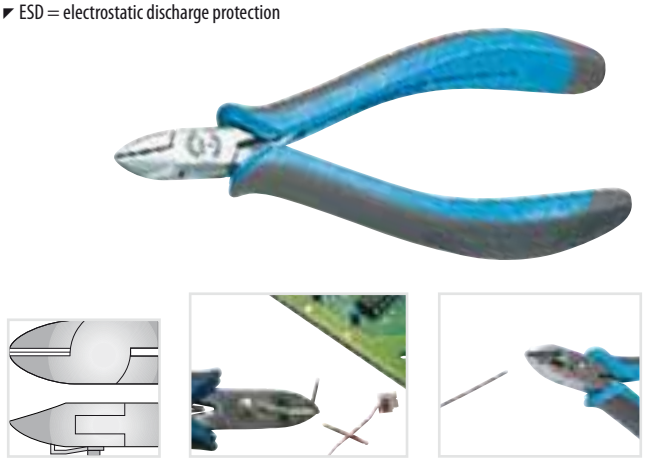
8306-8

MINIATURE ELECTRONIC SIDE CUTTER

- With wire gripper
- Oval head, with bevel
- Induction-hardened precision cutting edges, 61 - 63 HRC

Cutting values:

- Hard wire: 0.4 mm/AWG 26
- Soft steel: 1.0 mm/AWG 18
- Copper wire: 1.5 mm/AWG 15
- ESD = electrostatic discharge protection



CL	mm	kg	Code	No.
13	125	0.076	**6727930**	8306-8

ELECTRONIC SIDE CUTTER CARBIDE

- Tungsten-carbide cutting edges induction-hardened, 84-86 HRA

8306-7

ELECTRONIC SIDE CUTTER CARBIDE

- Oval head, with bevel
- Tungsten-carbide cutting edges for an extremely long service life
- Hardness 84 - 86 HRA

Cutting values:

- Piano wire: 0.6 mm/AWG 22
- Hard steel: 1.0 mm/AWG 18
- Nickel wire: 1.2 mm/AWG 16
- ESD = electrostatic discharge protection

CL	mm	kg	Code	No.
11	125	0.076	**6727770**	8306-7

8306-9

ELECTRONIC SIDE CUTTER CARBIDE

- Tungsten-carbide cutting edges for an extremely long service life
- Hardness 84 - 86 HRA
- Pointed, slim head for work in confined spaces
- Without bevel

Cutting values:

- Piano wire: 0.3 mm
- Hard steel: 0.5 mm
- Nickel wire: 0.6 mm
- Especially for cutting SMD components
- With opening spring
- ESD = electrostatic discharge protection

CL	mm	kg	Code	No.
11	125	0.076	**1743414**	8306-9

8306-10

ELECTRONIC SIDE CUTTER CARBIDE

- Oval head, with special bevel, especially suitable for cutting glass fibre and Kevlar®
- Tungsten-carbide cutting edges for an extremely long service life
- Hardness 84 - 86 HRA
- With opening spring
- ESD = electrostatic discharge protection
- Kevlar® is a registered trademark of the company DuPont

CL	mm	kg	Code	No.
11	125	0.077	**1743422**	8306-10

ELECTRONIC DIAGONAL CUTTERS AND END NIPPERS

8308-1

ELECTRONIC MINI DIAGONAL CUTTER

- Pointed head, cutting edges angled 55 °, with fine bevel
- For working in confined spaces
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC

Cutting values:

- Hard steel: 0.4 mm/AWG 26
- Soft steel: 1.0 mm/AWG 18
- Copper wire: 1.2 mm/AWG 16
- With opening spring
- ESD = electrostatic discharge protection

CL	mm	kg	Code	No.
12	125	0.076	**1743600**	8308-1

8308-3

ELECTRONIC DIAGONAL CUTTER

- Wide head and long cutting faces, with fine bevel
- Cutting edges angled 55 °
- Head ground to a point on one side
- For working in confined spaces
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC

Cutting values:

- Hard steel: 0.4 mm/AWG 26
- Soft steel: 1.0 mm/AWG 18
- Copper wire: 1.5 mm/AWG 15
- With opening spring
- ESD = electrostatic discharge protection

CL	mm	kg	Code	No.
15	135	0.094	**1743627**	8308-3

8308-4

ELECTRONIC END CUTTING NIPPER

- Wide head and long cutting faces, with fine bevel
- High cutting performance
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC

Cutting values:

- Hard steel: 0.4 mm/AWG 26
- Soft steel: 1.0 mm/AWG 18
- Copper wire: 1.5 mm/AWG 15
- With opening spring
- ESD = electrostatic discharge protection

CL	mm	kg	Code	No.
15	135	0.098	**1743635**	8308-4

NEEDLE NOSE ELECTRONIC PLIERS

8305-2

NEEDLE NOSE ELECTRONIC PLIERS

- Extra long, half-round jaws, with file-cut surface
- ESD = electrostatic discharge protection

JL	mm	kg	Code	No.
39	165	0.111	**6725480**	8305-2

8307-4

NEEDLE NOSE ELECTRONIC PLIERS

- Slim, narrow, flat-round tapered jaws
- Smooth-ground gripping faces
- With opening spring
- ESD = electrostatic discharge protection

JL	mm	kg	Code	No.
31	145	0.074	**1743562**	8307-4

8305-6

FINE NEEDLE NOSE ELECTRONIC PLIERS

- Extra slim jaws and fine point
- Without file-cut
- ESD = electrostatic discharge protection

JL	mm	kg	Code	No.
40	160	0.101	**6725720**	8305-6

NEEDLE NOSE ELECTRONIC PLIERS 45° ANGLED

8307-3

NEEDLE NOSE ELECTRONIC PLIERS

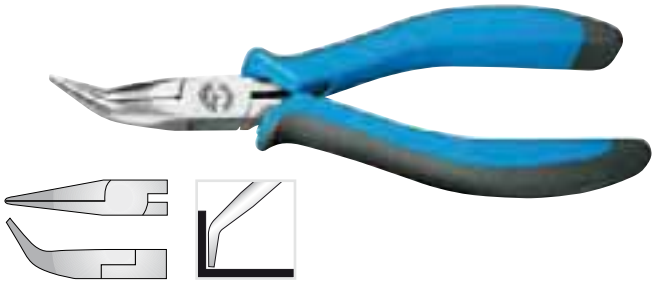
- Slim, narrow, flat-round tapered jaws, angled 45 °
- Gripping faces with fine file cut
- With opening spring
- ESD = electrostatic discharge protection

JL	mm	kg	Code	No.
22	140	0.081	**1743554**	8307-3

8307-7

LONG NOSE ELECTRONIC PLIERS

- Extra long, flat-round tapered jaws, angled 45 °
- For bending and straightening jobs
- Smooth-ground gripping faces
- With opening spring
- ESD = electrostatic discharge protection



JL	mm	kg	Code	No.
35	165	0.113	**1743597**	8307-7

SPECIAL ELECTRONIC PLIERS

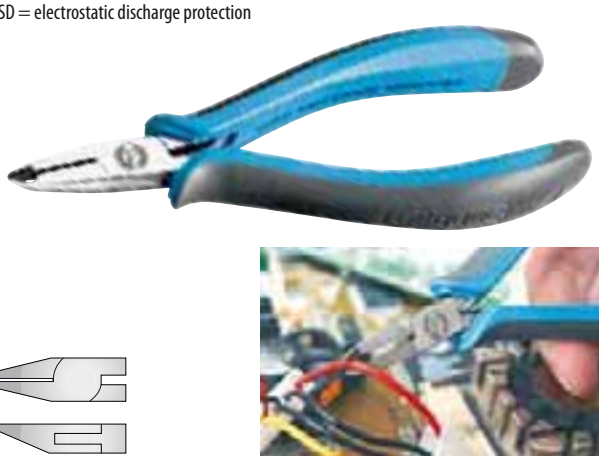
8305-7

ELECTRONIC DIAGONAL CUTTER

- 30 ° angled cutting edges, with fine bevel
- With slim head for confined spaces

Cutting values:

- Soft steel: 0.6 mm/AWG 22
- Copper wire: 0.8 mm/AWG 20
- ESD = electrostatic discharge protection

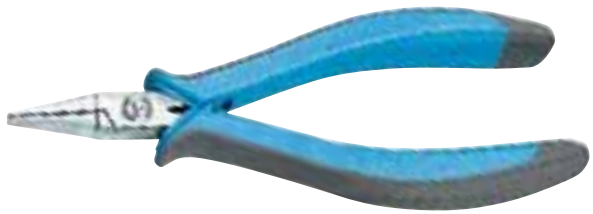


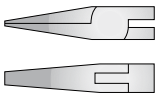
CL	mm	kg	Code	No.
6	135	0.073	**6725990**	8305-7

8305-9

FLAT NOSE ELECTRONIC PLIERS

- Straight pattern
- Without file-cut
- ESD = electrostatic discharge protection



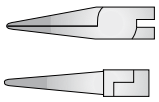


JL	mm	kg	Code	No.
23	135	0.073	**6726370**	8305-9

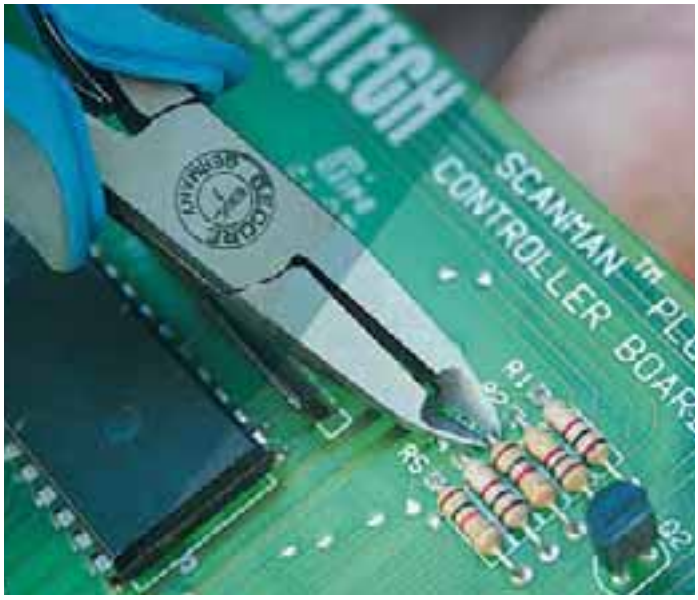
8308-6

ROUND NOSE ELECTRONIC PLIERS

- Oval head, with bevel and opening spring
- For delicate work in the electronic sector, suitable for Kevlar®
- Long service life
- Tips tapering to Ø 1 mm, without file-cut
- ESD = electrostatic discharge protection
- Kevlar® is a registered trademark of the company DuPont



JL	mm	kg	Code	No.
20	135	0.078	**1743651**	8308-6



MINIATURE ELECTRONIC PLIERS

- Made from high-performance hardened and tempered steel, handles hardened and tempered
- Induction-rehardened cutting edges, 59-61 HRC, faces phosphated
- With opening spring
- 2-component handles with secure-grip hand protection

8350-2

MINIATURE ELECTRONIC SIDE CUTTER

- Sharp, narrow needle-point head
- Cutting edges angled 21°, without bevel
- Cutting values: Copper wire: max. 0.8 mm / AWG 20

CL	mm	kg	Code	No.
8	138	0.073	**1828967**	8350-2

8350-3

MINIATURE ELECTRONIC SIDE CUTTER

- Sharp, narrow needle-point head
- With wire-grip clamp
- Cutting edges angled 21 °, without bevel
- Cutting values: Copper wire: max. 1.0 mm / AWG 18

CL	mm	kg	Code	No.
8	138	0.082	**1828975**	8350-3

8350-5

MINIATURE ELECTRONIC DIAGONAL END CUTTING NIPPERS

- Wide, needle-point head
- Cutting edges angled 48 °, without bevel
- Cutting values: Copper wire: max. 1.3 mm / AWG 16

CL	mm	kg	Code	No.
8	136	0.085	**1828991**	8350-5

8350-6

MINIATURE ELECTRONIC SIDE CUTTER

- Wide, needle-point head
- Cutting edges angled 21 °, without bevel

Cutting values:

- Copper wire: max. 1.3 mm / AWG 16
- Medium-hard wire: max. 1.0 mm / AWG 18

CL	mm	kg	Code	No.
8	138	0.094	**1829009**	8350-6

8350-9

MINIATURE ELECTRONIC SIDE CUTTER

- Wide, needle-point head
- With wire-grip spring
- Cutting edges angled 21 °, without bevel

Cutting values:

- Copper wire: max. 1.3 mm / AWG 16
- Medium-hard wire: max. 1.0 mm / AWG 18

CL	mm	kg	Code	No.
10	138	0.094	**1829033**	8350-9

8350-7

MINIATURE ELECTRONIC SIDE CUTTER

- Wide, needle-point head
- Cutting edges angled 21 °, without bevel
- Cutting values: Copper wire: max. 1.3 mm / AWG 16

CL	mm	kg	Code	No.
8	138	0.086	**1829017**	8350-7

8351-1

MINIATURE ELECTRONIC SIDE CUTTER Power Line

- Tungsten-carbide technology for heavy continuous use
- Cutting edges angled 21°, slight bevel, hardness 62 HRC

Cutting values:

- Copper wire: max. 2.0 mm / AWG 12
- Medium-hard wire: max. 1.6 mm / AWG 14
- Piano wire: max. 0.6 mm / AWG 22

CL	mm	kg	Code	No.
8	137	0.109	**1829041**	8351-1

8350-8

MINIATURE ELECTRONIC SIDE CUTTER Power Line

- Tungsten-carbide technology for heavy continuous use
- Fabric insert for increased strength
- Wide, needle-point head
- Cutting edges angled 21°, small bevel

Cutting values:

- Copper wire: max. 2.0 mm / AWG 12
- Medium-hard wire: max. 1.6 mm / AWG 14

CL	mm	kg	Code	No.
12	140	0.110	**1829025**	8350-8

8352-1

MINIATURE ELECTRONIC NEEDLE NOSE PLIERS

- Short, narrow, smooth jaws
- Surface phosphated

JL	mm	kg	Code	No.
20	145	0.090	**1829068**	8352-1

8352-2

MINIATURE ELECTRONIC FLAT NOSE PLIERS

- Long, narrow, smooth jaws

JL	⊢mm⊣	kg	Code	No.
32	158	0.094	**1829076**	8352-2

8352-3

MINIATURE ELECTRONIC NEEDLE NOSE PLIERS

- Long, narrow, serrated jaws
- Cutting edges angled 45 °

JL	⊢mm⊣	kg	Code	No.
35	152	0.092	**1829084**	8352-3

8353-1

MINIATURE ELECTRONIC WIRE STRIPPING PLIERS

- Multipurpose tool for cutting, stripping and terminal crimping

JL	⊢mm⊣	mm²	AWG	kg	Code	No.
40	175	0,25-0,81	30-20	0.126	**1829092**	8353-1

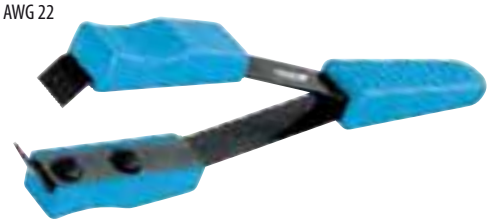
www.gedore.com

ACCESSORIES

8353-2

INSULATING VARNISH STRIPPER

- For removing insulating varnish
- Plastic handles
- Strips wires 0.6 mm² / AWG 22



⊢mm⊣	mm²	AWG	kg	Code	No.
125	0,6	22	0.047	**1828924**	8353-2

8353-3

WIRE STRIPPING KNIFE

- For cable sizes 4-16 mm

Ø	⊢mm⊣	kg	Code	No.
4-16	140	0.087	**1828932**	8353-3

8354-1

DE-SOLDER TOOL

- With suction action for removing solder residues when de-soldering electronic components

⊢mm⊣	kg	Code	No.
220	0.096	**1828940**	8354-1

4528

UNIVERSAL CABLE KNIFE

- For stripping round cables, 8 - 28 mm
- Hooked blade for separating cable strips and flat cables
- The cutting depth of the pivoting internal knife E-4528 is adjustable

		kg	Code	No.
50	170	0.155	**6698300**	4528

E-4528

INTERNAL KNIFE

- The cutting depth of the pivoting internal knife is adjustable

kg	Code	No.
0.111	**1448161**	E-4528

4629

INSULATING TAPE

L m	mm	kg	Code	No.
10	15	0.032	**6699540**	4629

8147

HEAVY-DUTY CABLE STRIPPING TOOL

- Professional wire stripping tool with 2 cable hooks
- Compact and user-friendly, even in the most difficult conditions
- For cables (up to 40 mm Ø) with any kind of insulation
- Blade can be locked in one of three positions (circular, straight or spiral cuts)
- Cable capacity: 4.5 - 40 mm Ø
- Insulation thickness: up to 4.5 mm

Dimensions:

- with small cable hook: 150 x 42 x 30.5 mm
- with large cable hook: 167 x 52 x 30.5 mm
- E-8147 = Spare blade

Ø	kg	Code	No.
4,5-40	0.196	**1830856**	8147

kg	Code	No.
0.002	**1884719**	E-8147

8148

PRECISION STRIPPING TOOL for data cables

- User-friendly, easy to handle, all-round cut
- Precision adjustment of cutting depth (adjuster wheel with 9 positions)
- Replaceable blade
- Safe, rounded, pocket design
- Stripping capacity: 2.5 - 11 mm
- Insulation thickness: up to 1.0 mm
- Dimensions: 90.5 x 39.5 x 19 mm
- E-8148 = Spare blade

Ø	kg	Code	No.
2,5-11	0.043	**1830864**	8148

kg	Code	No.
0.002	**1884727**	E-8148

8149

STRIPPING TOOL for coaxial cables

- Individual blade adjustment guarantees a high level of stripping precision, all-round cut
- Supports a range of module inserts for two or three-step wire stripping, as well as V-blocks for different sizes
- User-friendly, ergonomic mechanism ensures a firm grip and easy operation
- Stripping capacity: 2.5 - 7.6 mm

Execution	B	C	kg	Code	No.
2 steps	6.8		0.082	**1830872**	8149-2
3 steps	6.0	6.0	0.040	**1830880**	8149-3

8146 Wire stripper

Advantages:

- Flexible: easy-change insert modules give this tool a wide stripping range
- Precision stripping: exact adjustment facility ensures accurate stripping - without any damage to the conductor
- Ergonomic and user-friendly: the soft main grip, easy-action operating lever, optimised span, angled head and low weight guarantee comfortable, user-friendly operation
- Reliable: tested through more than 150,000 stripping processes

8146

STRIPPING PLIERS with exchangeable module inserts, self-adjusting

- Self-adjusting cutting and stripping tool (No. 8146) for modern electrical installations and equipment circuitry (90 % of all wires can be stripped without any adjustment of the tool)
- The use of easily exchangeable module inserts allows accurate stripping of a wide range of insulation materials, including PVC and PTFE, with just one tool
- Flat blade included in delivery
- Dimensions: 191 x 123 x 20 mm

Stripping capacity:

- 8146-1 with flat blade: 0.02-10 mm² / AWG 34-8 (for PVC insulation)
- 8146-2 with round blade: 4-16 mm² / AWG 10-5
- 8146-3 with V blade: PTFE 0.1-4 mm² / AWG 28-12 (for all types of insulation)

Cutting values:

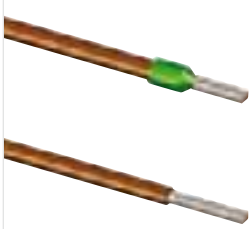
- Flexible wires up to 10 mm² / AWG 8
- Rigid wires up to 1.5 mm² / AWG 16

Description	mm²	AWG	kg	Code	No.
Stripping pliers incl. module insert 8146-1	0,02-10	34-8	0.180	**1830805**	8146
Module insert with flat blade	0,02-10	34-8	0.015	**1830813**	8146-1
Module insert with round blade	4-16	10-5	0.016	**1830821**	8146-2
Module insert with V-blade	0,1-4	28-12	0.016	**1830848**	8146-3

8139

CABLE END-SLEEVE PLIERS

- For the simple pressing of conductor end-sleeves as per DIN 46228
- With a V-block for stripping and cutting soft wire (not included on model No. 8139-2-220)
- In heat-treated steel as per DIN
- TL = enamelled black, with blue dipped handle protectors



mm²	⟷ mm ⟷	⟷ "inch ⟷	kg	Code	No.
0,25-2,5	155	6	0.186	**6723510**	8139-155 TL
0,5-16	220	8.1/2	0.314	**6723780**	8139-220 TL
10-35	220	8.1/2	0.316	**6723860**	8139-2-220 TL

Precision Crimp Wrenches

- Well balanced tool design for easy handling
- Ergonomic handles for fatigue-free crimping
- Ratchet mechanism to secure completed crimping cycles

1) Place plug into the appropriate crimping nest and lightly press in!

2) Insert the stripped wire into the socket and press in.

3) The pliers open on their own once the correct crimping pressure is obtained.

8141

PRECISION CRIMP WRENCH for conductor end-sleeves

mm²	⊢ mm ⊣	⊢ "inch ⊣	kg	Code	No.
0,5-6	197	7,75	0.423	**1830759**	8141

8142

PRECISION CRIMP WRENCH for insulated terminals

mm²				Code	No.
0,5-6	255	10,04	0.626	**1830767**	8142

8145

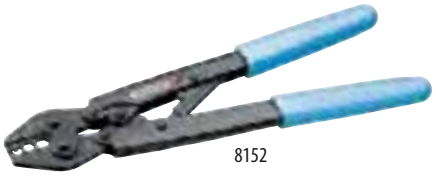
PRECISION CRIMP WRENCH for flat plugs

mm²	⊢ mm ⊣	⊢ "inch ⊣	kg	Code	No.
0,5-6	255	10,04	0.628	**1830791**	8145

8152 - 8153

CRIMP WRENCH for big terminals

- Ratchet mechanism developed for uniform, reliable crimping of non-insulated crimp lug terminals to conductors and to secure completed crimping cycles and positive locking
- Assymetrical press inserts for optimal termination
- The press inserts mark the connector, to allow the correct use of the tool to be checked
- Long handles enable double-handed use and effortless crimping



8152

8153

mm²	AWG	⊢ mm ⊣	kg	Code	No.
4-25	12-3	300	0.650	**2010313**	8152
10-75	7-2/0	500	2.800	**2010321**	8153

CRIMPING PLIERS

8155

CRIMP WRENCH for insulated connector

- For red, blue and yellow insulated connectors, such as cable terminals, pin cable terminals, flat plugs, flat sockets, round plugs, round sockets, push connectors and parallel connectors
- Easy to handle
- Releasable positive locking
- Kind-to-hands formed handles
- GEDORE special steel, gun-metal finish

Field of application:

- 1: 0.5-1.0 mm² / 20-18 AWG
- 2: 1.5-2.5 mm² / 16-14 AWG
- 3: 4.0-6.0 mm² / 12-10 AWG

mm²	AWG	L	W	kg	Code	No.
0,5-6	20-10	220	80	0.552	**2836823**	8155

8156

CRIMP WRENCH for non-insulated contacts

- For non-insulated contacts with open crimping sleeve, such as flat plugs F 2.8; F4.8; F6.3 and F 9.5
- Easy to handle
- Releasable positive locking
- Kind-to-hands formed handles
- GEDORE special steel, gun-metal finish

Field of application:

- 1: 0.25-0.5 mm² / 24-20 AWG
- 2: 0.5-1.0 mm² / 20-18 AWG
- 3: 4.0-6.0 mm² / 12-10 AWG
- 4: 1.5-2.5 mm² / 16-14 AWG

mm²	AWG	L	W	kg	Code	No.
0,25-6	24-10	220	80	0.180	**2836831**	8156

8157

CRIMP WRENCH for cable lugs

- For non-insulated contacts with closed crimping sleeve (W pressing) up to 16 mm² / AWG 6 and tubular cable lugs up to 10 mm² / AWG 6
- Easy to handle
- Releasable positive locking
- Kind-to-hands formed handles
- GEDORE special steel, gun-metal finish
- Field of application:
- 1: 0.1-0.35 mm² / 26-22 AWG
- 2: 0.5-1.0 mm² / 20-18 AWG
- 3: 1.5-2.5 mm² / 16-14 AWG
- 4: 4.0-6.0 mm² / 12-10 AWG
- 5: 10.0-16.00 mm² / 8-6 AWG

mm²	AWG	L	W	kg	Code	No.
0,1-16	26-6	220	80	0.180	**2836858**	8157

CRIMP WRENCH MODULAR

Advantages:

- Reliable: parallel action ensures precision crimping
- Easy to handle: components kept in view throughout the crimping process, easily accessible release function allows quick change of insert modules without the use of additional tools
- Comfortable: lightweight, plastic-sheathed tool frame for comfort grip - even at low temperatures
- Practical: insert modules, easy to change and clearly labelled, supplied in pairs on an pin in a storage box to prevent loss (storage boxes interconnect - like in a jigsaw puzzle)
- Versatile and economical: just one tool base frame can be used with all the various insert modules to carry out a wide range of crimping processes, including heavy plug and socket connectors, coaxial connectors, optic fibres and RJ45 plugs.

Changing of the crimping inserts

- By pressing the release of the crimping insert you can easily remove the crimping insert.
- Remove the crimping insert and put in the required crimping insert while pressing down the release.

8140

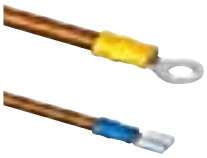
MODULAR CRIMP WRENCH

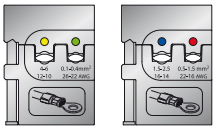
- Professional ratchet crimping pliers for most types of mechanical, electrical and electronic connectors
- Just one tool base frame (No. 8140) can be used with all insert modules
- Dimensions: L 234 x H 64 x W 24 mm
- Module inserts changeable without tools

⊢ mm ⊣	kg	Code	No.
234	0.557	**1830546**	8140

8140-01/-02

MODULE INSERT for insulated terminals

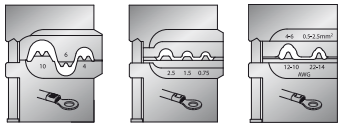




mm²	AWG	kg	Code	No.
0,1-0,4 + 4-6	26-22 + 12-10	0.075	**1830554**	8140-01
0,5-1,5 + 1,5-2,5	22-16 + 16-14	0.068	**1830562**	8140-02

8140-03/-04/-05

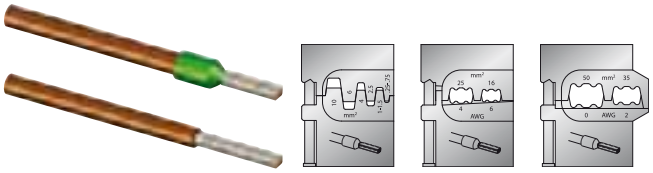
MODULE INSERT for non-insulated terminals



mm²	AWG	kg	Code	No.
4-6-10	12-10-8	0.056	**1830570**	8140-03
0,75-1,5-2,5		0.076	**1830589**	8140-04
0,5-2,5 + 4-6	22-14 + 12-10	0.056	**1830597**	8140-05

8140-06/-07/-08

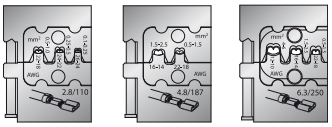
MODULE INSERT for conductor end-sleeves



mm²	AWG	kg	Code	No.
0,25-10		0.056	**1830600**	8140-06
16-25	6-4	0.056	**1830619**	8140-07
35-50	2-0	0.056	**1830627**	8140-08

8140-09/-10/-11

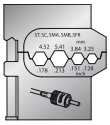
MODULE INSERT for flat plugs



Connector type	mm²	AWG	kg	Code	No.
2,8	0,1-1	26-18	0.072	**1830635**	8140-09
4,8	0,5-2,5	22-14	0.056	**1830643**	8140-10
6,3	0,5-6	22-10	0.080	**1830651**	8140-11

8140-12

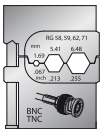
MODULE INSERT for optical waveguides



Ø				kg	Code	No.
4,52	**5,41**	**3,84**	**3,25 mm**	0.056	**1830678**	8140-12
.178	**.213**	**.151**	**.128 in**			

8140-14

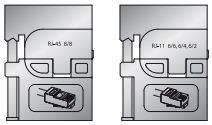
MODULE INSERT for coax cables



Connector type	Ø			kg	Code	No.
RG 58, 59, 62, 71	1,69	5,41	6,48 mm	0.056	**1830694**	8140-14
	.067	.213	.255 in			

8140-16/-17

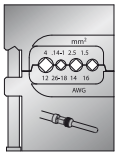
MODULE INSERT for modular plugs



Connector type	kg	Code	No.
RJ-45, 8P/8C	0.050	**1830716**	8140-16
RJ-11, 6P/6C - 6P/4C - 6P/2C	0.048	**1830724**	8140-17

8140-18

MODULE INSERT for heavy connectors

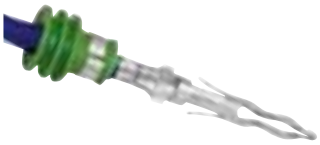


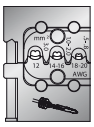
mm²	AWG	kg	Code	No.
0,14-4	26-12	0.056	**1830732**	8140-18

8140-20

MODULE INSERT for lamellar contacts

- With seals 0.5 - 3.0 mm²

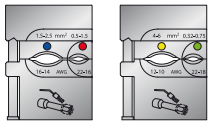




mm²	AWG	kg	Code	No.
0,5-3,0	20-12	0.056	**1963384**	8140-20

8140-21/-22

MODULE INSERT for Dura Seal contacts



mm²	AWG	kg	Code	No.
0,5 - 1,5 / 1,5 - 2,5	22 - 16 / 16 - 14	0.080	**1963392**	8140-21
0,32 - 0,75 / 4 - 6	22 - 18 / 12 - 10	0.080	**1963406**	8140-22

8140-23

MODULE INSERT for Solarlok®

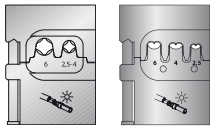
- Suitable for Tyco Solarlok®: 2.5 - 4 - 6 mm²

mm²	kg	Code	No.
2,5 - 4 - 6	0.086	**2078082**	8140-23

8140-24/-25

MODULE INSERT for Multi Contact

- Suitable for Multi Contact MC 3 / MC 4: 2.5 - 4 - 6 mm²



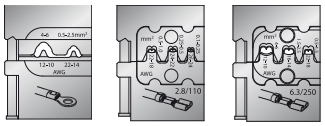
Connector type	kg	Code	No.
Multi Contact MC 3	0.056	**2078090**	8140-24
Multi Contact MC 4	0.700	**2078104**	8140-25

CRIMP WRENCH SETS

S 8140 A

CRIMPING PLIERS SET AUTOMOTIVE 4 pieces

- Practical set made up for specific requirements in automotive engineering
- Ideal for high-standard crimping
- Can be individually upgraded by purchasing additional module inserts
- Module inserts changeable without tools
- In practical blister packaging



Contents	kg	Code	No.
8140 **8140-09 -05 -11**	0.754	**1830910**	S 8140 A

S 8140 D

CRIMPING PLIERS SET DATA COM 4 pieces

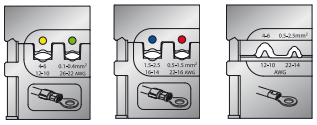
- Practical set made up for specific requirements in data-communications installations
- Ideal for high-standard crimping
- Can be individually upgraded by purchasing additional module inserts
- Module inserts changeable without tools
- In practical blister packaging

Contents	kg	Code	No.
8140 **8140-14 -16 -17**	0.711	**1830937**	S 8140 D

S 8140 E

CRIMPING PLIERS SET ELECTRONIC 4 pieces

- Practical set made up for specific requirements for electricians
- Ideal for high-standard crimping
- Can be individually upgraded by purchasing additional module inserts
- Module inserts changeable without tools
- In practical blister packaging

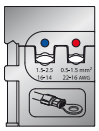


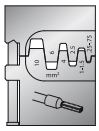
Contents	kg	Code	No.
8140 **8140-01 -02 -05**	0.760	**1830899**	S 8140 E

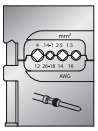
S 8140 J

CRIMPING PLIERS SET INDUSTRIAL 4 pieces

- Practical set made up for specific requirements in industrial maintenance
- Ideal for high-standard crimping
- Can be individually upgraded by purchasing additional module inserts
- Module inserts changeable without tools
- In practical blister packaging







Contents	kg	Code	No.
8140	0.752	**1830929**	S 8140 J
8140-02 -06 -18			

RZB1-18CR

PLIERS SET 2 pieces + accessories

- In rugged plastic case

Contents	kg	Code	No.
8141	1.480	**1895249**	RZB1-18CR
8146			
End-sleeves			
0.50 0.75 1.00 1.50			
2.50 4.00 6.00			

S 8140 PN

CRIMPING PLIERS SET STARTER in plastic case

- Without module inserts for individual composition
- In practical plastic case

Contents	kg	Code	No.
8140	1.589	**1963279**	S 8140 PN

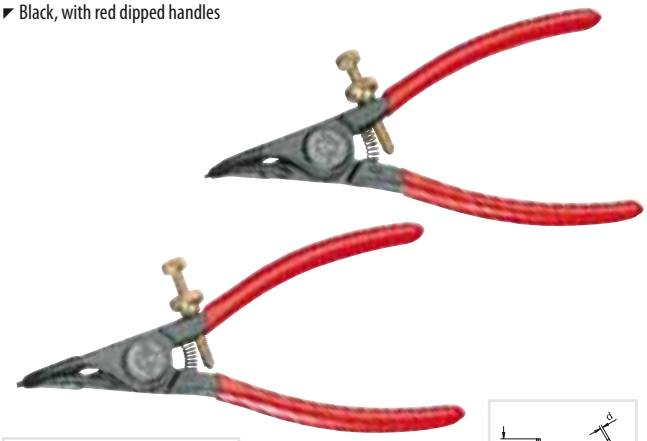
Code	No.			1830910 S 8140 A	1830899 S 8140 E	1830929 S 8140 J	1830937 S 8140 D
1830546	8140			●	●	●	●
1830554	8140-01				●		
1830562	8140-02				●	●	
1830597	8140-05			●	●		
1830600	8140-06					●	
1830635	8140-09			●			
1830651	8140-11			●			
1830694	8140-14						●
1830716	8140-16						●
1830724	8140-17						●
1830732	8140-18					●	

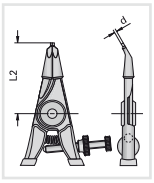
CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS (SHAFTS)

8000 A 0G - A 2G

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

- For shafts without groove
- For retaining rings Seeger as well as Benzing
- Similar to DIN 5254 Form A
- A 0G - A 1G = tips angled 30 °
- A 2G = straight tips
- With opening spring and adjusting screw to limit opening
- High degree of assembly reliability, the limit opening rules out any over-tensioning of the smallest of retaining rings
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with red dipped handles



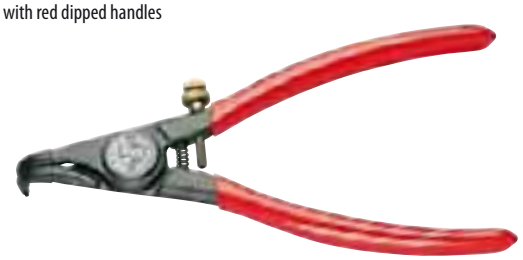


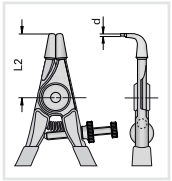
for Seeger circlips ● mm	for Benzing clamping circlips ● mm	L	L_2	d	kg	Code	No.
1,5-3,5	1,5-3,5	140	40	0.7	0.099	**6700140**	8000 A 0G
4,0-9,0	3,0-11,0	140	40	1.1	0.098	**6700220**	8000 A 1G
10,0-15,0	12,0-16,0	182	57	1.8	0.189	**6700300**	8000 A 2G

8000 A 01G - A 21G

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

- For shafts without groove
- For retaining rings Seeger as well as Benzing
- Similar to DIN 5254 Form B
- 90 ° angled tips
- With opening spring and adjusting screw to limit opening
- High degree of assembly reliability, the limit opening rules out any over-tensioning of the smallest of retaining rings
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with red dipped handles



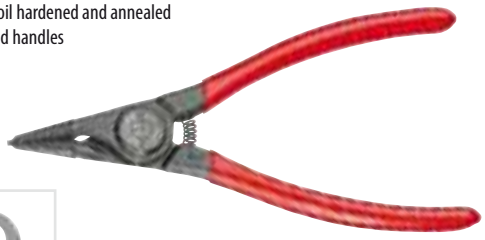


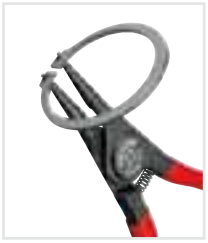
for Seeger circlips ● mm	for Benzing clamping circlips ● mm	L	L_2	d	kg	Code	No.
1,5-3,5	1,5-3,5	134	33	0.7	0.100	**6700650**	8000 A 01G
4,0-9,0	3,0-11,0	134	33	1.1	0.099	**6700730**	8000 A 11G
10,0-15,0	12,0-16,0	170	45	1.8	0.184	**6700810**	8000 A 21G

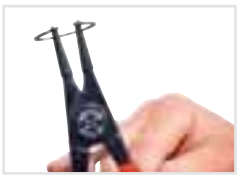
8000 A 0 - A 4

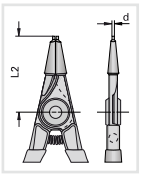
CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS Form A

- For retaining rings as per DIN 471, DIN 983
- DIN 5254 Form A
- Straight tips
- With opening spring
- With clamping protection
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with red dipped handles







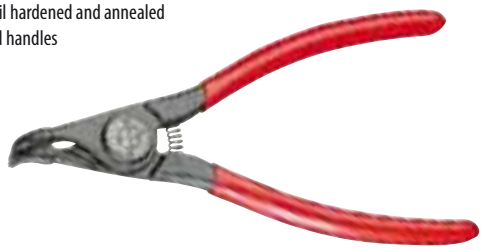


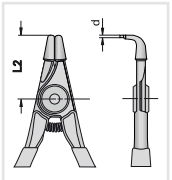
● mm	● inch	L	L_2	d	kg	Code	No.
3-10	5/32-3/8	141	40.0	0.9	0.096	**6701380**	8000 A 0
10-25	3/8-1	141	40.0	1.3	0.098	**6701460**	8000 A 1
19-60	3/4-2.3/8	182	54.0	1.8	0.186	**6701540**	8000 A 2
40-100	1.5/8-4	230	69.0	2.3	0.310	**6701620**	8000 A 3
85-140	3.3/8-5.1/2	320	85.5	3.2	0.555	**6701700**	8000 A 4

8000 A 01 - A 41

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS Form B

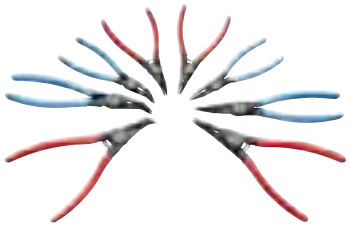
- For retaining rings as per DIN 471, DIN 983
- DIN 5254 Form B
- 90° angled tips
- With opening spring
- With clamping protection
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with red dipped handles





● mm	● inch	L	L_2	d	kg	Code	No.
3-10	5/32-3/8	130	29	0.9	0.097	**6702270**	8000 A 01
10-25	3/8-1	130	29	1.3	0.097	**6702350**	8000 A 11
19-60	3/4-2.3/8	170	43	1.8	0.182	**6702430**	8000 A 21
40-100	1.5/8-4	210	53	2.3	0.317	**6702510**	8000 A 31
85-140	3.3/8-5.1/2	305	64	3.2	0.563	**6702780**	8000 A 41

1500 ES-8000 104



8000 A 02 - A 42

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

- Similar to DIN 5254 Form B
- 45 ° angled tips
- With opening spring
- With clamping protection
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Chrome-plated, with red dipped handles

● mm	● inch	L	L_2	d	kg	Code	No.
3-10	5/32-3/8	139	38.0	0.9	0.097	**2015021**	8000 A 02
10-25	3/8-1	139	38.0	1.3	0.097	**2015048**	8000 A 12
19-60	3/4-2.3/8	179	51.0	1.8	0.182	**2015056**	8000 A 22
40-100	1.5/8-4	226	65.0	2.3	0.317	**2015064**	8000 A 32
85-140	3.3/8-5.1/2	315	80.5	3.2	0.568	**2015072**	8000 A 42

8000 A 4 - A 6

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

- Straight tips
- Black, tips and lock lever zinc-plated
- The toothed bracket stops the pliers legs from straddling beyond the permitted working area
- This ensures safe working even in hidden fitting positions
- Locking pin can be replaced
- Non-crush type release-lever with handle recesses, red dip-insulated
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- E-8000 A = pair of spare tips

● mm	● inch	d	⊢ mm ⊣	kg	Code	No.
85-140	3.3/8-5.1/2	3.2	550	1.921	**2011778**	8000 A 4 EL
122-300	4.13/16-11.7/8	3.5	550	1.921	**6701890**	8000 A 5
252-400	9.15/16-15.13/16	4.5	586	1.922	**6701970**	8000 A 6

d	kg	Code	No.
3.2	0.072	**2011670**	E-8000 A 4 EL
3.5	0.072	**5701840**	E-8000 A 5
4.5	0.112	**5701920**	E-8000 A 6

8000 A 41 - A 61

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

- 90° angled tips
- Tips and lock lever zinc-plated
- Lever handle-end red dip-insulated
- Finger protection
- Reinforced safety arms
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- E-8000 A = pair of spare tips

● mm	● inch	d	⊢ mm ⊣	kg	Code	No.
85-140	3.3/8-5.1/2	3.2	560	1.898	**2011786**	8000 A 41 EL
122-300	4.13/16-11.7/8	3.5	560	1.898	**6702860**	8000 A 51
252-400	9.15/16-15.13/16	4.5	585	1.953	**6718430**	8000 A 61

d	kg	Code	No.
3.2	0.072	**2011697**	E-8000 A 41 EL
3.5	0.112	**5702810**	E-8000 A 51
4.5	0.140	**5701760**	E-8000 A 61

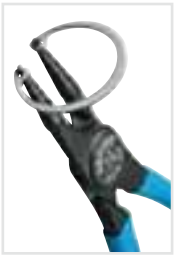
CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS (BORES)

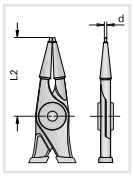
1500 CT1-8000 110

8000 J 0 - J 4

CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS Form C

- For retaining rings as per DIN 472, DIN 984
- DIN 5256 Form C
- Straight tips
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with blue dipped handles



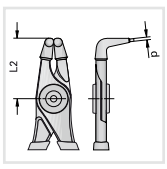


mm	inch	L	L_2	d	kg	Code	No.
8-13	3/8-9/16	141	41.0	0.9	0.080	**6703240**	8000 J 0
12-25	3/8-1	141	41.0	1.3	0.081	**6703320**	8000 J 1
19-60	3/4-2.3/8	183	54.0	1.8	0.164	**6703400**	8000 J 2
40-100	1.5/8-4	230	68.0	2.3	0.281	**6703590**	8000 J 3
85-140	3.3/8-5.1/2	322	84.5	3.2	0.472	**6703670**	8000 J 4

8000 J 01 - J 41

CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS Form D

- For retaining rings as per DIN 472, DIN 984
- DIN 5256 Form D
- 90° angled tips
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with blue dipped handles



mm	inch	L	L_2	d	kg	Code	No.
8-13	3/8-9/16	129	28	0.9	0.080	**6704130**	8000 J 01
12-25	3/8-1	129	28	1.3	0.082	**6704210**	8000 J 11
19-60	3/4-2.3/8	169	41	1.8	0.161	**6704480**	8000 J 21
40-100	1.5/8-4	214	50	2.3	0.279	**6704560**	8000 J 31
85-140	3.3/8-5.1/2	292	65	3.2	0.484	**6704640**	8000 J 41

8000 J 02 - J 42

CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

- Similar to DIN 5256 Form D
- 45 ° angled tips
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Chrome-plated, with blue dipped handles

mm	inch	L	L_2	d	kg	Code	No.
8-13	3/8-9/16	139	39.0	0.9	0.080	**2014963**	8000 J 02
12-25	3/8-1	139	39.0	1.3	0.080	**2014971**	8000 J 12
19-60	3/4-2.3/8	180	52.0	1.8	0.161	**2014998**	8000 J 22
40-100	1.5/8-4	226	64.0	2.3	0.279	**2015005**	8000 J 32
85-140	3.3/8-5.1/2	316	78.5	3.2	0.484	**2015013**	8000 J 42

GEDORE INDIVIDUAL … customised for you!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

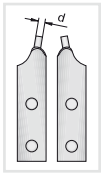
CHECK COAT FORGE MOD RAL SIZE

8000 J 4 - J 6 / 8000 J 41 - J 61
Circlip pliers for internal retaining rings

+ 3.2/3.5/4.5 mm tip diameters available for 85 to 400 mm rings. Models for internal and external retaining rings

+ Release lever for controlled slackening of the tension

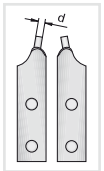
+ Ratching mechanism for easing the work of the user when fitting the retaining rings



8000 J 4 - J 6

CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

- Straight tips
- Black, tips and lock lever zinc-plated
- The toothed bracket stops the pliers legs from straddling beyond the permitted working area
- This ensures safe working even in hidden fitting positions
- Locking pin can be replaced
- Non-crush type release-lever with handle recesses, blue dip-insulated
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- E-8000 J = pair of spare tips



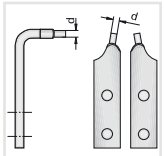
○ mm	○ "inch	d	⟷ mm ⟷	kg	Code	No.
85-140	3.3/8-5.1/2	3.2	565	1.835	**2011794**	8000 J 4 EL
122-300	4.13/16-11.7/8	3.5	565	1.836	**6703750**	8000 J 5
252-400	9.15/16-15.13/16	4.5	575	1.846	**6703830**	8000 J 6

d	kg	Code	No.
3.2	0.072	**2011700**	E-8000 J 4 EL
3.5	0.072	**5703700**	E-8000 J 5
4.5	0.082	**5703890**	E-8000 J 6

8000 J 41 - J 61

CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

- 90° angled tips
- Black, tips and lock lever zinc-plated
- Lever handle-end blue dip-insulated
- Finger protection
- Reinforced safety arms
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- E-8000 J = pair of spare tips



○ mm	○ "inch	d	⟷ mm ⟷	kg	Code	No.
85-140	3.3/8-5.1/2	3.2	575	1.953	**2011808**	8000 J 41 EL
122-300	4.13/16-11.7/8	3.5	575	1.953	**6704720**	8000 J 51
252-400	9.15/16-15.13/16	4.5	579	1.934	**6718510**	8000 J 61

d	kg	Code	No.
3.2	0.072	**2011719**	E-8000 J 41 EL
3.5	0.116	**5704780**	E-8000 J 51
4.5	0.116	**5702730**	E-8000 J 61

8005 A Pliers for external retaining rings

8005 A

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

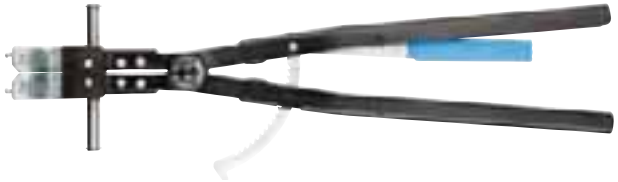
- For shafts
- Supplied with four different clamping tips
- The circlip is securely clamped before removal by choosing a suitable distance between the clamping tips. This means that unnecessary plier movement is avoided, and the circlip may be opened completely. The special parallel movement of the clamping tips and their recesses in the direction of the pressure applied ensure that the circlip will be clamped firmly.
- DBGM (= German Utility Patent)

● mm	◉↕mm	◉↕mm	↤mm↦	kg	Code	No.
305-500	4.5	5,9	665	3.520	**6707150**	8005 A

8005 J

CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

- For bores
- Supplied with six different clamping tips
- The circlip is securely clamped before removal by choosing a suitable distance between the clamping tips. This means that unnecessary plier movement is avoided, and the circlip may be opened completely. The special parallel movement of the clamping tips and their recesses in the direction of the pressure applied ensure that the circlip will be clamped firmly.
- DBGM (= German Utility Patent)



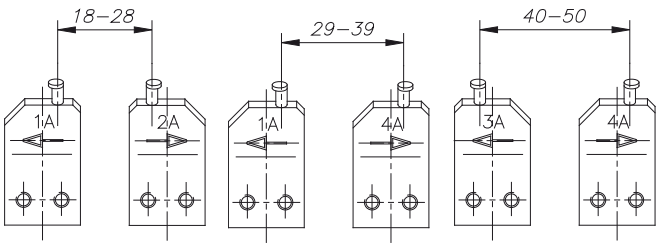
○ mm	◉↕mm	◉↕mm	↤mm↦	kg	Code	No.
305-500	4.5	5,9	705	3.885	**6707230**	8005 J

E-8005 A

SPARE TIPS for external retaining rings (per piece)

Selection aid:

- The spacing of holes for non-tensioned circlips is normally between 20 mm and 50 mm
- The tips used to spread the rings are fitted to match the opening width of the non-tensioned circlip
- Opening widths 18-28 mm: Combination tips E-8005 1 A and E-8005 2 A
- Opening widths 29-39 mm: Combination tips E-8005 1 A and E-8005 4 A
- Opening widths 40-50 mm: Combination tips E-8005 3 A and E-8005 4 A



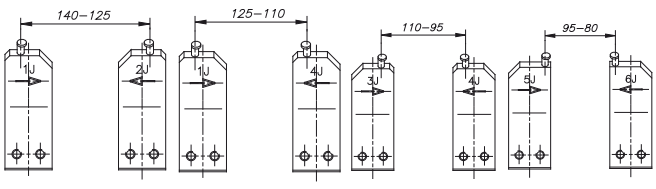
kg	Code	No.
0.068	**5700790**	E-8005 1 A
0.068	**5702220**	E-8005 2 A
0.068	**5702300**	E-8005 3 A
0.068	**5702490**	E-8005 4 A

E-8005 J

SPARE TIPS for internal retaining rings (per piece)

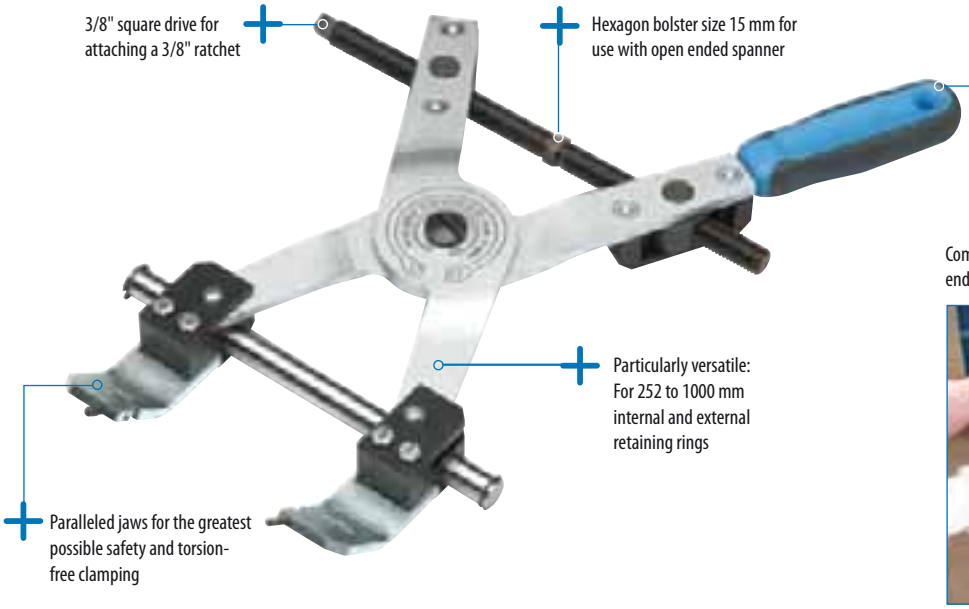
Selection aid:

- The spacing of holes for non-tensioned circlips is normally between 80 mm and 140 mm
- The tips used to spread the rings are fitted to match the opening width of the non-tensioned circlip
- Opening widths 140-125 mm: Combination tips E-8005 1 J and E-8005 2 J
- Opening widths 125-110 mm: Combination tips E-8005 1 J and E-8005 4 J
- Opening widths 110-95 mm: Combination tips E-8005 3 J and E-8005 4 J
- Opening widths 95-80 mm: Combination tips E-8005 5 J and E-8005 6 J



kg	Code	No.
0.116	**5703380**	E-8005 1 J
0.116	**5703460**	E-8005 2 J
0.116	**5704190**	E-8005 3 J
0.113	**5703540**	E-8005 4 J
0.116	**5703620**	E-8005 5 J
0.116	**5703970**	E-8005 6 J

8006 X-GRIP



Complete **S 8006 X-GRIP** set incl. ratchet, single open-ended spanner and replacement tips in a sturdy steel case.

8006

X-GRIP CIRCLIP PLIERS

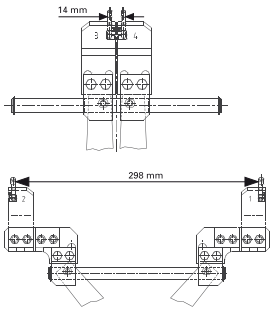
- Universal circlip pliers for risk-free gripping and fitting of internal and external circlips (DIN 471/472) from 252 to 1000 mm diameter
- Particularly suited for working in confined spaces. Instead of using a long lever, the required force is transmitted by a threaded spindle. This ensures safe, fatigue-free gripping. Operated by a 15 mm open ended spanner or a 3/8" ratchet (e.g. 3093 Z-94)
- Solid, hardened sliding bar ensures parallel tip action
- Stop lugs reliably prevent circlips slipping off
- Quick changeover between internal and external circlips by rotating tips through 180°
- Tips made from tempering steel, carefully hardened and annealed, easy to replace
- DBGM (= German Utility Patent)

mm	mm	mm	kg	Code	No.
252-1000	4.5	5,9	3.040	**1394401**	8006

S 8006

X-GRIP CIRCLIP PLIERS SET

- Universal circlip pliers for risk-free gripping and fitting of internal and external circlips (DIN 471/472) from 252 to 1000 mm diameter
- Plier with adaptor, basic body - no. 1/2 + tip Ø 5.9 mm and no. 3/4 + tip Ø 4.5 mm
- Special tools for changing tips and adaptors
- Single open ended spanner no. 894 10 + 894 15
- Hexagon socket key no. 42 2 mm
- 4 Spare threaded pins M4x4
- Ratchet no. 3093 Z-94 (for quick adjustment)
- Plastic box E-1000 P
- Rugged sheet steel case with foam insert



kg	Code	No.
7.300	**1896237**	S 8006

E-8006

X-GRIP PARTS

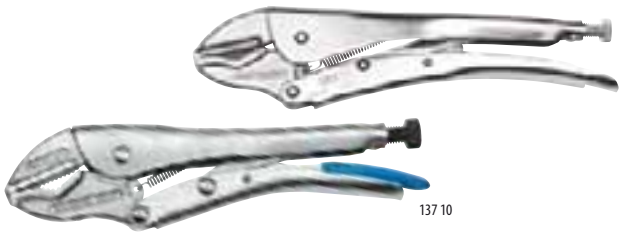
Description	kg	Code	No.
Basic body no. 1 with spare tip 5.9 mm Ø	0.080	**1575333**	E-8006 1
Basic body no. 2 with spare tip 5.9 mm Ø	0.080	**1575341**	E-8006 2
Basic body no. 3 with spare tip 4.5 mm Ø	0.117	**1896245**	E-8006 3
Basic body no. 4 with spare tip 4.5 mm Ø	0.117	**1896253**	E-8006 4
Spare tip 4.5 mm Ø	0.005	**1896369**	E-8006 X 4,5
Spare tip 5.9 mm Ø	0.005	**1896350**	E-8006 X 5,9
Spindle with spindle bearing, 265 mm long	0.470	**1910620**	E-8006 X

GRIP WRENCHES

137

GRIP WRENCH

- With adjusting screw and release lever, model 137 10 with blue dip-insulated lever
- Forged, tempered jaws and special jaw shape for secure gripping, clamping and holding
- GEDORE vanadium steel 31CrV3, nickel-plated
- Jaw body in high-tensile sheet steel
- Automatically welded upper jaw - absolutely firm connection with the sheet steel body
- Well-conceived jaw design guarantees a three-point contact with all material cross-sections
- Threaded bore welded at bottom
- No widening under most extreme loading
- Safe release
- Release lever under constant pressure of special spring



⊢mm⊣	⊢"inch⊣	mm	"inch	kg	Code	No.
185	7	25	1	0.288	**6406620**	137 7
230	10	32	1.1/4	0.526	**6406700**	137 10
260	11	45	1.3/4	0.790	**6407270**	137 11
300	12	45	1.3/4	1.042	**6406890**	137 12

1500 ES-137 104

137

GRIP WRENCH

- For working in confined spaces
- For worn bolted connections which otherwise could only be opened with extreme difficulty
- Problem-solver for vehicles and industrial purposes
- Particularly suitable for brake lines, adjustment of track rods, etc.

mm	"AF	⊢mm⊣	kg	Code	No.
10		190	0.324	**2325314**	137 7-10
11	7/16	190	0.321	**2325322**	137 7-11
12		195	0.329	**2325330**	137 7-12
13		195	0.326	**2325349**	137 7-13
14		198	0.343	**2325357**	137 7-14
15	19/32	198	0.346	**2325365**	137 7-15
16	5/8	250	0.591	**2325373**	137 10-16
17		250	0.587	**2325381**	137 10-17
18		255	0.607	**2325403**	137 10-18
19	3/4	255	0.600	**2325411**	137 10-19
20	25/32	258	0.623	**2325438**	137 10-20
21		258	0.620	**2325446**	137 10-21
22		260	0.630	**2325454**	137 10-22
24		253	0.642	**2788349**	137 10-24
27		258	0.645	**2788357**	137 10-27

139

SPECIAL GRIP WRENCH

- With movable lower jaw for clamping over a large area
- Release lever blue dip-insulated
- Nickel-plated

⊢mm⊣	⊢"inch⊣	mm	"inch	kg	Code	No.
250	10	45	1.3/4	0.577	**6407940**	139

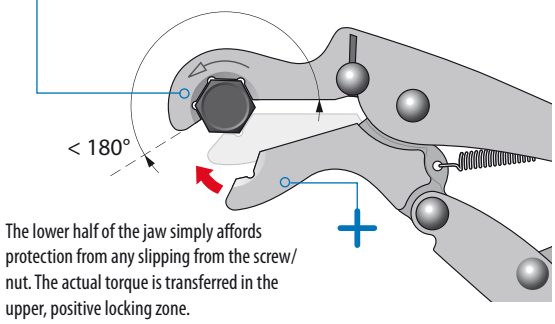
137 Grip wrench

Positive fit joint to the screw/nut is down to the special design of the plier jaw*

GEDORE

positive fit
Off-centre hexagonal division

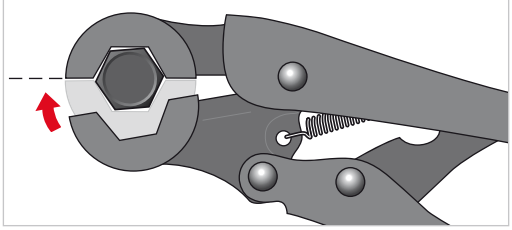
The upper jaw section covers more than half of the screw head/nut. This produces a positive fit between grip wrench and screw/nut.



The lower half of the jaw simply affords protection from any slipping from the screw/nut. The actual torque is transferred in the upper, positive locking zone.

- The difference comes from the special profile and shape.
- This combination prevents the pliers from being unintentionally opened - even under maximum demands placed on them.

COMPETING COMPANY
force locking
Centre hexagonal division



*** Positive fit joints are not suddenly released. They need, in fact, to change their geometric form; a visible change in form quasi announces their failure.**

A lack of force causes force-locking joints to suddenly fail. Accident risk!

137 KR
Grip wrench, long jaws

Knee-toggle principle for best-possible clamping force and assured opening work

Very long, slender jaws for places that are not easy to reach

Dip-insulated release lever to stop any slipping and resulting injuries

137 KR

GRIP WRENCH, LONG JAWS

- With narrow jaws
- For working in confined spaces
- For clamping air and brake lines up to Ø 10 mm, copper lines Ø 12 mm
- Nickel-plated

mm	kg	Code	No.
210	0.292	**1954113**	137 KR-7
255	0.540	**1868039**	137 KR-10

137 P

PARALLEL JAW GRIP WRENCH

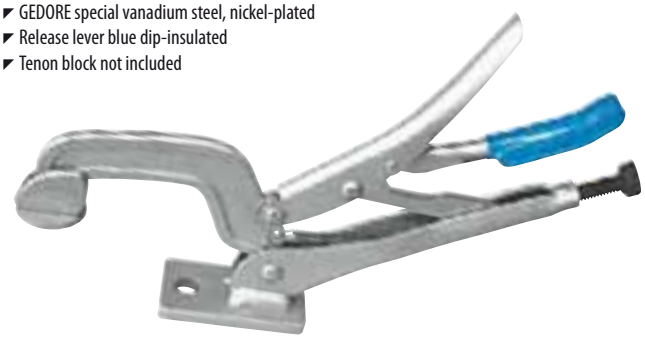
- With toothed jaws, for parallel clamping
- With adjustment screw and release lever
- Jaw width 14 mm, jaw length 30 mm

mm	"inch	mm	"inch	kg	Code	No.
250	10	50	2	0.701	**6407000**	137 P

137 MSP

MACHINE WORKBENCH CLAMP

- For fast, secure clamping of a variety of workpieces
- Suitable for tenon blocks threaded M8, M10 or M12
- GEDORE special vanadium steel, nickel-plated
- Release lever blue dip-insulated
- Tenon block not included

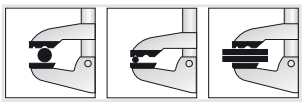


mm	"inch	mm	"inch	kg	Code	No.
280	11	100	4	0.790	**6408080**	137 MSP

136 SP

GRIP C-CLAMP

- For clamping extra deep workpieces
- With stop to fix the upper jaw at a constant position for repetition clamping
- Nickel-plated



mm	"inch	mm	"inch	kg	Code	No.
260	10	100	4	1.086	**6406380**	136 SP-100
260	10	200	8	1.254	**6406540**	136 SP-200

136 BM

WIDE JAW GRIP WRENCH

- For clamping edges and surfaces
- 80 mm jaw width
- Nickel-plated

mm	"inch	mm	"inch	kg	Code	No.
200	8	30	1.1/4	0.416	**6406030**	136 BM

137 T

GRIP WRENCH FOR GLUEING

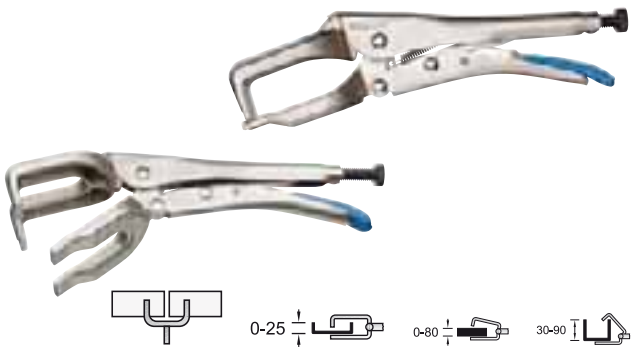
- For clamping lengthwise or corner joints of extremely long bases and surrounds, lintels, banisters and frames, arched windows, worktops, corner benches, etc.
- Release lever blue dip-insulated
- Nickel-plated
- The workpieces to be glued are placed together, with the grip open, the drill holes for the clamping pins are marked, and 9 - 10 mm Ø holes drilled. Glue is applied, the wrench pushed into the holes, the pieces aligned and the clamping lever closed - the work is finished

mm	"inch	mm	"inch	kg	Code	No.
220	9	30-60	1.1/4-2.1/2	0.494	**6403600**	137 T

138

WELDER'S GRIP WRENCH

- For clamping strips and profile sections when welding
- Cast steel jaws
- Nickel-plated
- Release lever blue dip-insulated

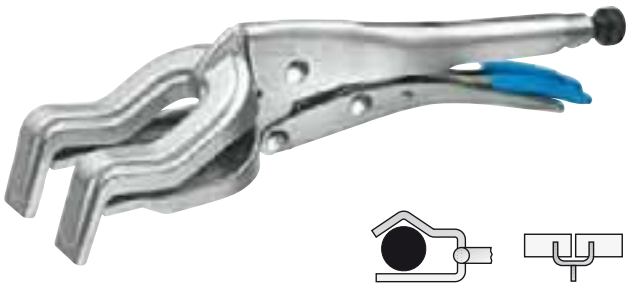


mm	"inch	kg	Code	No.
280	11	0.960	**6407350**	138

138 X

WELDER'S GRIP WRENCH FOR TUBES

- For clamping tubes and round stock when welding
- Cast steel jaws
- Nickel-plated
- Release lever blue dip-insulated



mm	"inch	mm	"inch	kg	Code	No.
280	11	10-90	3/8-3.1/2	0.967	**6407510**	138 X

138 Y

PROFILE-SECTION GRIP WRENCH

- For clamping bulky profile and angle sections
- Strong forged jaws
- GEDORE special chrome-vanadium steel, nickel-plated
- Release lever blue dip-insulated

mm	"inch	mm	"inch	mm	"inch	kg	Code	No.
280	11	95	3.3/4	75	3	0.763	**6407860**	138 Y

138 Z

PROFILE-SECTION GRIP WRENCH

- For clamping extremely bulky profile sections
- Jaws made from forged and welded GEDORE special chrome-vanadium steel
- Particularly great clamping depth
- Nickel-plated
- Release lever blue dip-insulated

mm	"inch	mm	"inch	mm	"inch	kg	Code	No.
460	18	280	11	250	10	1.164	**6410730**	138 Z-460
600	24	400	16	400	16	1.428	**6410810**	138 Z-600

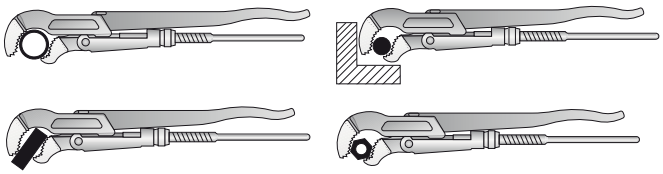
Eck-Schwede-snap® - the swedish

Tried and tested bestseller with a powerful grip for more than 50 years

- The special, supplementary flame hardening of the teeth increases and improves the grip and durability of the snap®
- Force is always applied by snap® simultaneously at three points, ensuring a secure grip with low hand pressure
- Hook and leg made from drop-forged GEDORE special chrome-vanadium steel, hardened and tempered
- Stove enamelling guarantees long-life protection
- The mouth of the jaw opening is always narrower than the pipe diameter, reliably preventing the workpiece from slipping out. Securely grips pipes and screw couplings

Working principle

- The jaw form of the snap® reliably prevents the workpiece slipping out, and ensures maximum freedom of movement in confined spaces
- The curvature of the jaws adapts ideally to different profiles, enabling the snap® to grip hexagonal nuts - gently and securely



175

PIPE WRENCH Swedish pattern

- Acc. to DIN 5234 Form A
- Especially sturdy type for heavy use
- Head angled 85°
- GEDORE special chrome-vanadium steel
- Drop forged
- Tempered, teeth additionally hardened
- Teeth offset against direction of rotation
- Roller secured against loss
- Stove enamelled blue

Size	mm	L	kg	Code	No.
3/4	38	280	0.505	**6437260**	175 3/4
1	44	320	0.695	**6437340**	175 1
1.1/2	62	430	1.470	**6437420**	175 1.1/2
2	76	580	2.550	**6437500**	175 2
3	105	670	3.780	**6437690**	175 3
4	130	760	5.635	**6437770**	175 4

100

ELBOW PIPE WRENCH ECK-SCHWEDE-SNAP® - THE SWEDISH THE ORIGINAL

- Acc. to DIN 5234, Form C
- Heavy-duty pipe wrench with three-point grip
- For working in confined spaces
- GEDORE special chrome-vanadium steel
- Drop forged
- Tempered, teeth additionally hardened
- Teeth offset against direction of rotation
- Roller secured against loss
- Stove enamelled blue, head ground

Size	mm	L	kg	Code	No.
1/2	35	245	0.380	**4500060**	100 1/2
1	48	320	0.800	**4500140**	100 1
1.1/2	60	420	1.400	**4500220**	100 1.1/2
2	80	550	2.240	**4500300**	100 2
3	110	630	3.580	**4500490**	100 3

176

ELBOW PIPE WRENCH

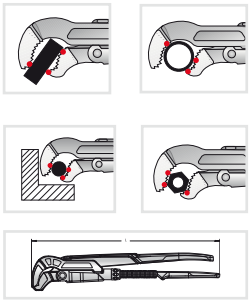
- Acc. to DIN 5234 Form B
- For working in confined spaces
- Narrow head, multi-grip jaw pattern, angled 52°
- GEDORE special chrome-vanadium steel
- Drop forged
- Tempered, teeth additionally hardened
- Self-gripping by teeth offset against direction of rotation
- Roller secured against loss
- Stove enamelled blue

Size	mm	L	kg	Code	No.
3/4	38	280	0.445	**6438070**	176 3/4
1	44	320	0.775	**6438150**	176 1
1.1/2	62	430	1.405	**6438230**	176 1.1/2
2	76	580	2.570	**6438310**	176 2
3	105	670	3.640	**6438580**	176 3

9100 2K

PIPE WRENCH 2C

- Acc. to DIN 5234, Form C
- For working in confined spaces
- GEDORE special chrome-vanadium steel
- Drop forged
- Tempered, teeth additionally hardened
- Teeth offset against direction of rotation
- Non-slip surfaces, in sizes 1" and 1.1/2" with 2-component handles
- Roller secured against loss
- Stove enamelled blue



Size	2C-handle	mm	L	kg	Code	No.
1/2		35	245	0.400	**2530252**	9100 2K 1/2
1	X	48	320	0.800	**2530260**	9100 2K 1
1.1/2	X	60	420	1.400	**2530279**	9100 2K 1.1/2
2		80	550	2.200	**2530287**	9100 2K 2
3		110	630	3.600	**2530295**	9100 2K 3

E-100 / E-175 / E-9100

SET OF SPARES

- A = Roller / Adjuster screw
- B = Circlip

No. 100	No. 175	No. 176	No. 9100	kg	Code	No.
1/2				0.010	**2133792**	E-100 A 1/2
1		1		0.030	**1682938**	E-100 A 1
1.1/2		1.1/2		0.040	**1737597**	E-100 A 1.1/2
2 + 3		2		0.070	**1628984**	E-100 A 2
	3/4	3/4		0.010	**5435000**	E-175 A 3/4
	1			0.030	**5435190**	E-175 A 1
	1.1/2			0.040	**5435270**	E-175 A 1.1/2
	2			0.070	**5435350**	E-175 A 2
	3	3		0.070	**5435430**	E-175 A 3
	4			0.080	**1391607**	E-175 A 4
			1/2	0.003	**2601028**	E-9100 A 1/2
			1	0.010	**2601273**	E-9100 A 1
			1.1/2	0.012	**2601281**	E-9100 A 1.1/2
			2 + 3	0.025	**2601311**	E-9100 A 2
1/2	3/4 + 1	3/4	1/2	0.001	**5436240**	E-100 B 1/2
1	1.1/2	1	1	0.002	**5436400**	E-100 B 1
1.1/2	2	1.1/2	1.1/2	0.001	**5436590**	E-100 B 1.1/2
2 + 3	3 + 4	2 + 3	2 + 3	0.020	**5436670**	E-100 B 2

227

PIPE WRENCH American pattern

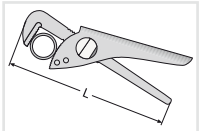
- Extra heavy type
- Forged parts tempered
- Teeth offset against direction of rotation and induction-hardened
- Handle made from malleable cast iron
- GEDORE special hardened and tempered steel, ground
- Handles stove enamelled

mm	"inch	mm	"inch	∅"inch	kg	Code	No.
190	8	38	1.1/2	1	0.440	**6453030**	227 8
245	10	48	1.7/8	1.1/2	0.850	**6453110**	227 10
325	14	60	2.3/8	2	1.751	**6453460**	227 14
415	18	76	3	2.1/2	2.701	**6453540**	227 18
560	24	89	3.1/2	3	4.280	**6453620**	227 24

152

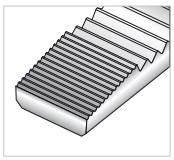
HIGH-SPEED PIPE WRENCH with screw adjuster

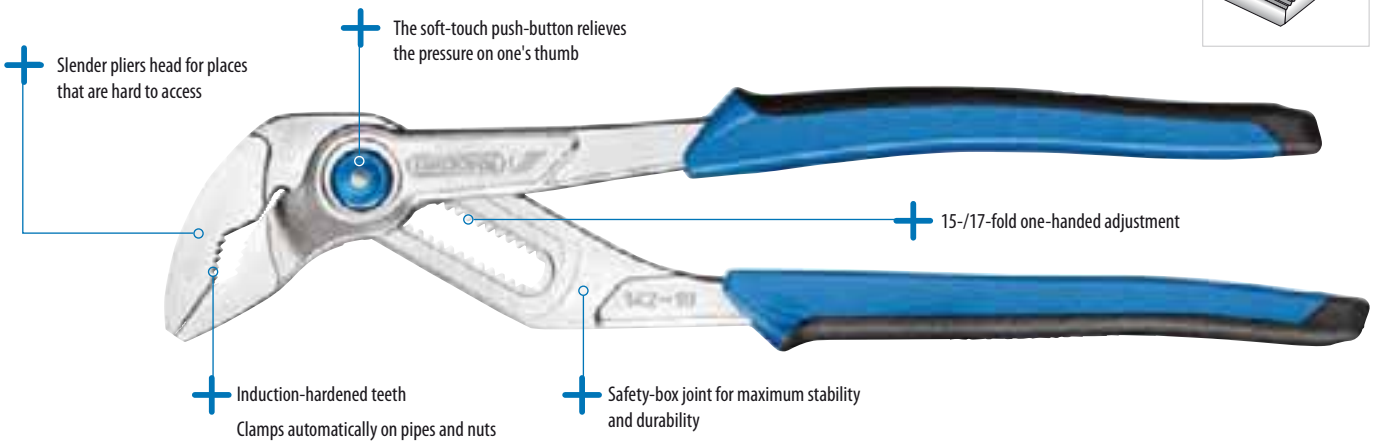
- GEDORIT powder-coated blue hammer finish
- Forged components
- Induction-rehardened serrated faces
- Quick and easy setting with screw adjuster - single-hand adjustment
- Gripping faces selfinhibiting



L	L"	mm	"inch	Pipes	Sockets	kg	Code	No.
178	7	35	1.3/8	1"	3/4"	0.300	**6419280**	152 7
228	9	42	1.5/8	1.1/4"	1"	0.531	**6419360**	152 9
281	11	61	2.3/8	2"	1.3/4"	0.851	**6419440**	152 11
315	12	74	3	2.1/2"	2"	1.038	**6419520**	152 12
360	14	90	3.9/16	3"	–	1.656	**6419600**	152 14

142 Universal pliers





142

UNIVERSAL PLIERS

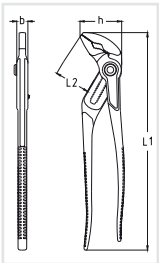
- Acc. to DIN ISO 8976 Form C
- With safety box joint and protection against blocking
- Fine adjustment
- 142 7 = 17 settings
- 142 10 = 15 settings
- 142 12 = 17 settings
- Single-hand push-button adjustment
- Long slim jaws
- Offset gripping faces for self-gripping of nuts and pipes
- GEDORE special chrome-vanadium steel
- Induction-rehardened serrated faces
- Model C = slim handles with forged serrations
- Model TL = agate-grey, with blue dipped handle protectors
- Model JC = chrome-plated, 2-component handles

142 10C

142 12TL

142 10TL

142 10JC



L_1	L_2	b	h	mm	kg	Code	No.
180	32	6.5	40	37	0.183	**2668211**	142 7 TL
180	32	6.5	40	37	0.173	**2668238**	142 7 C
255	39	7.5	48	38	0.371	**6416180**	142 10 TL
250	39	7.5	48	38	0.380	**6416260**	142 10 C
260	39	7.5	48	38	0.417	**6416340**	142 10 JC
309	43	8.5	55	44	0.550	**1995413**	142 12 TL
300	43	8.5	55	44	0.530	**1995553**	142 12 C

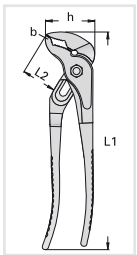
143

UNIVERSAL PLIERS 6 settings

- Acc. to DIN ISO 8976 Form B
- Slim head
- Forged twin-groove lay-on slip joint and toothed recess
- Offset gripping faces for self-gripping of nuts and pipes
- With finger protection
- For pipes up to 1.1/2" and nuts up to 38 mm
- GEDORE special chrome-vanadium steel, chrome-plated
- Induction-rehardened serrated faces
- Model C = slim handles with forged serrations
- Model JC = chrome-plated, 2-component handles

143 10C

143 10JC



L_1	L_2	b	h	mm	kg	Code	No.
256	40	10.6	56	38	0.340	**6410650**	143 10 C
262	40	10.6	56	38	0.390	**6415880**	143 10 JC

S 8303 JC 409

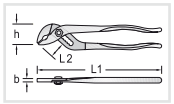
144

MECHANICS PLIERS 7 settings

- Acc. to DIN ISO 8976 Form A
- Lay-on slip joint and straight, serrated jaws
- GEDORE special chrome-vanadium steel
- Induction-rehardened serrated faces

144 4.1/2C

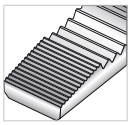
144 7C



L_1	L_2	b	h	mm	kg	Code	No.
113	13	3.8	23	16	0.042	**6411110**	144 4.1/2 C
175	22	5.5	35	26	0.138	**6411380**	144 7 C

1500 CT1-142 110

145
Water pump pliers



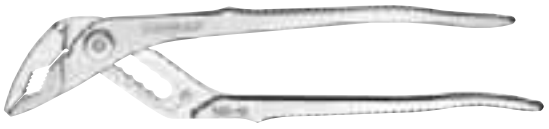
- Extremely slender pliers head for places that are hard to access
- Tried-and-tested and popular 7-fold setting

- Induction-hardened teeth Clamps automatically on pipes and nuts

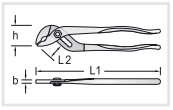
145

WATER PUMP PLIERS

- Acc. to DIN ISO 8976 Form A
- Lay-on slip joint and toothed recess
- Induction-rehardened serrated faces, with finger protection
- GEDORE special chrome-vanadium steel, chrome-plated
- Model C = handles cross-hatched
- Model JC = with 2-component handle sleeves
- 145 10 = 7 settings, with extra narrow jaws
- 145 15 = 9 settings
- 145 20 = 11 settings



145 10C



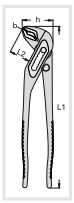
145 10JC

L_1	L_2	b	h	mm	kg	Code	No.
250	41	7.8	47	39	0.365	**6412000**	145 10 C
260	41	7.8	47	39	0.425	**6415610**	145 10 JC
375	46	10.4	72	50	0.854	**6412190**	145 15 C
500	55	13.8	98	65	1.747	**6412270**	145 20 C

146

UNIVERSAL PLIERS 7 settings

- Acc. to DIN ISO 8976 Form C
- With safety box joint and finger protection
- Automatic clamping with offset gripping surfaces
- GEDORE special chrome-vanadium steel, chrome-plated, with polished surface
- Induction-rehardened serrated faces
- Model C = slim handles with forged serrations
- Model JC = chrome-plated, 2-component handles



L_1	L_2	b	h	mm	kg	Code	No.
250	32.5	4.8	48	31	0.335	**6413240**	146 10 C
250	32.5	4.8	48	31	0.400	**2672626**	146 10 JC

146 B

SPECIAL WATER PUMP PLIERS 5 settings

- Acc. to DIN ISO 8976 Form C
- With fast adjustment and tooth-lock box joint and toothed aperture
- Absolutely safe - no slipping out of adjustment during work
- With finger protection
- GEDORE special chrome-vanadium steel, chrome-plated, polished

L_1	L_2	b	h	mm	kg	Code	No.
250	45	8	55	50	0.485	**6412510**	146 B 10

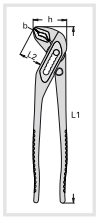
VDE 146 10

542

9144

WATER PUMP PLIERS

- To DIN ISO 8976
- Chrome-vanadium steel
- With box joint
- Drop forged



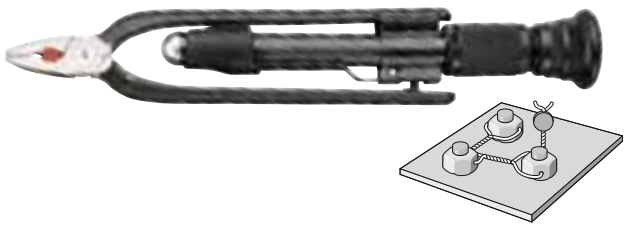
L_1	L_2	b	h	mm	kg	Code	No.
175	28	7.0	33	26	0.150	**4533230**	914417
240	35	7.5	40	33	0.290	**4533310**	914424
300	40	9.0	60	45	0.480	**4533580**	914430

SPECIAL PLIERS

8385

WIRE TWISTING PLIERS

- For twisting and cutting
- GEDORE special hardened and tempered steel, gun-metal finish
- Angled by 45°
- Extra narrow head shape
- Cross-hatched gripping face for better "wire grip"
- Twists wires from 0.5 to 1.6 mm Ø
- Clockwise or counterclockwise twisting, adjustable by turning handle
- Automatic resetting
- Cutting edge with FOD (= No Foreign Object Damage). The special red plastic coating securely holds the rest of the cut wire. This rules out the wire being accidentally lost.



⊢mm⊣	⊢"inch⊣	kg	Code	No.
229	9	0.400	**1979957**	8385

8386

CONNECTOR PLIERS

- With lap joint
- 3 settings
- Protects sensitive surfaces
- Particularly suitable for Canon-Connectors or other screw connectors
- Plastic jaws bolted and replaceable (No. E-8386), jaw width 11 mm
- GEDORE high-performance hardened and tempered steel, chrome-plated
- Handles dip-insulated

mm	kg	Code	No.
20-60	0.300	**2003481**	8386
	0.010	**2003694**	E-8386

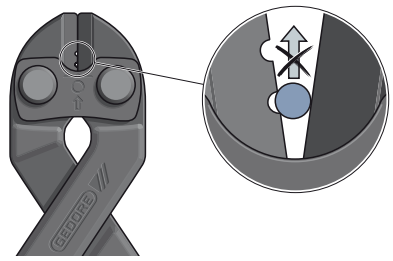
619

- Sheet metal crimping pliers and punch pliers are listed up from page 619

8340 / 8340 Z Bolt cutters

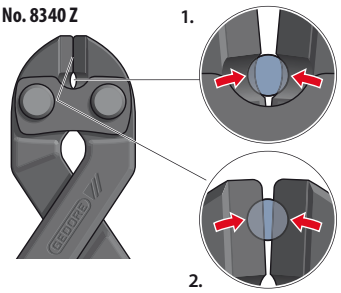
- Compact power bolt cutter with a particularly effective cutting performance
- Optimum lever action requires less effort
- Wear-free rotating/thrust block bolt to reduce sliding friction when cutting
- Force optimised, joint-near cutting is guaranteed

1 **No. 8340**



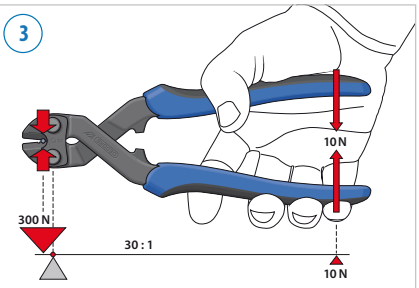
- With a cut soft, medium-hard or hard wires up to 4 mm Ø are separated
- The gliding ahead of the cutting material is prevented by two one-sided micro-grooves and thus is always stays in optimal cutting position

2 **No. 8340 Z**



- With two cuts soft, medium-hard or hard wires from 4 to 6 mm Ø are separated
- The extra cutting edge (1) serves as first cut for thick bolts and engraves them deeply
- In the second step, the main cutting edge (2) cuts through the bolt completely

3

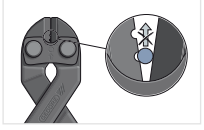


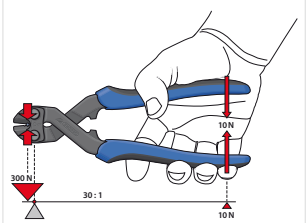
- The effective force multiplication ratio of 1:30 results of the joint-near use of the cutting edge
- Here the lever ratio of hand to cutting force is optimal
- A gliding ahead from this cutting position is prevented by the micro-grooves resp. the additional cutting edge

8340

BOLT CUTTER

- Compact power bolt cutter with a particularly effective cutting performance
- Optimum lever action requires less effort
- Wear-free rotating/thrust block bolt to reduce sliding friction when cutting
- Cutting edges additionally inductively hardened (63 - 65 HRC)
- The gliding ahead of the cutting material is prevented by two one-sided micro-grooves and thus is always stays in optimal cutting position
- Precision cutting edges for soft wire up to Ø 6.0 mm, hard and piano wire up to Ø 3.8 mm
- Execution JL = clear varnished, with 2-component handle protectors
- Execution TL = clear varnished, with blue dipped handle protectors



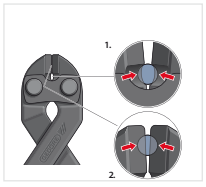


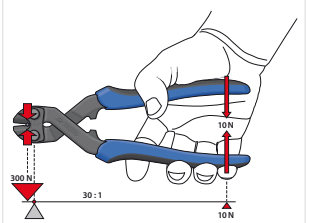
⟷ mm ⟷	kg	Code	No.
200	0.389	**2541300**	8340-200 JL
200	0.338	**2541289**	8340-200 TL

8340 Z

BOLT CUTTER

- Compact power bolt cutter with a particularly effective cutting performance
- Optimum lever action requires less effort
- Wear-free rotating/thrust block bolt to reduce sliding friction when cutting
- Cutting edges additionally inductively hardened (63 - 65 HRC)
- Double-sided recess cutting with extra cutting edge, near the joint, ensures optimum lever conditions for large wire diameters
- The extra cutting edge serves as first cut for thick bolts and engraves them deeply
- In the second step, the main cutting edge cuts through the bolt completely
- Precision cutting edges for soft wire up to Ø 6.0 mm, hard wire up to Ø 5.5 mm and piano wire up to Ø 3.8 mm
- Version: JL = clear varnished, with 2-component handle protectors
- Version: TL = clear varnished, with blue dipped handle protectors





⟷ mm ⟷	kg	Code	No.
200	0.389	**2666324**	8340 Z-200 JL
200	0.338	**2666316**	8340 Z-200 TL

8178 — E-8178

BOLT CUTTER

- Acc. to DIN ISO 5743
- Double cam bolt adjustment
- Cutting head replaceable
- Cutters from chrome-vanadium steel
- Max. cutting performance 48 HRC

max. ● mm	⊢ mm ⊣	⊢ "inch ⊣	kg	Code	No.
5	460	18	2.090	**2675137**	8178 460
7	620	24	3.140	**2675145**	8178 620
8	780	30	6.020	**2675153**	8178 780
9	900	36	6.430	**2675161**	8178 900

REPLACEMENT CUTTING HEAD

kg	Code	No.
0.980	**2675196**	E-8178 460
0.980	**2675218**	E-8178 620
1.000	**2675226**	E-8178 780
1.000	**2675234**	E-8178 900

8179 — E-8179

CONCRETE MESH AND BOLT CUTTER

- Acc. to DIN ISO 5743
- Double cam bolt adjustment
- Cutting head replaceable
- Cutters from chrome-vanadium steel
- Max. cutting performance in round stock 40 HRC, 9 mm or 2 x 8 mm

max. ● mm	⊢ mm ⊣	kg	Code	No.
9 / 2x8	900	4.250	**2675188**	8179 900

REPLACEMENT CUTTING HEAD

kg	Code	No.
0.980	**2675242**	E-8179 900

8178/8179

Cutting power to Tensile strength

DIN EN 180 18265 (2004-02)

19 HRC ≈ 740 N/mm²	Tensile strength
40 HRC ≈ 1290 N/mm²	Tensile strength
48 HRC ≈ 1590 N/mm²	Tensile strength

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PLIER ASSORTMENTS

- Produced in-house by GEDORE Austria
- Combination, flat-nosed, round-nosed and mechanics pliers made from GEDORE special hardened and tempered steel
- Side cutters and end cutting nippers made from GEDORE high-performance hardened and tempered steel
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles
- Hot-forged tempered steel
- Precision machined, oil-hardened and annealed
- Induction-rehardened cutting edges
- Protective nickel and chrome plating
- Optimum transfer of force
- High cutting performance
- Fatigue-free, even in constant use
- Guaranteed GEDORE quality

S 8003 JC

PLIERS SET 3 pieces

- Practical set composition in environmentally-friendly cardboard box
- JC = chrome-plated, 2-component handles with secure-grip hand protection

Contents	kg	Code	No.
8132-160 JC **8250-180 JC** **8316-160 JC**	0.766	**6701110**	S 8003 JC

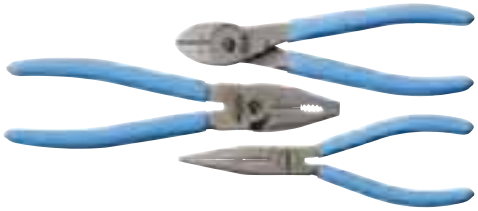
VDE S 8003 H

546

S 8003 TL

PLIERS SET 3 pieces

- Practical set composition in environmentally-friendly cardboard box
- TL = clear varnished, with blue dipped handle protectors



Contents	kg	Code	No.
8132-160 TL **8250-180 TL** **8316-160 TL**	0.642	**6755470**	S 8003 TL

VDE S 8003

546

S 8200 JC

PLIERS SET 4 pieces

- Practical set composition in environmentally-friendly cardboard box
- JC = chrome-plated, 2-component handles with secure-grip hand protection

Contents	kg	Code	No.
8098-160 JC **8132-160 JC** **8250-180 JC** **8314-160 JC**	0.927	**6730800**	S 8200 JC

S 8303 JC

PLIERS SET 3 pieces

- Practical set composition in environmentally-friendly cardboard box
- JC = chrome-plated, 2-component handles with secure-grip hand protection

Contents	kg	Code	No.
142 10 JC	1.005	**6703160**	S 8303 JC
8250-180 JC			
8316-160 JC			

S 8303 TL

PLIERS SET 3 pieces

- Practical set composition in environmentally-friendly cardboard box
- TL = clear varnished, with blue dipped handle protectors

Contents	kg	Code	No.
142 10 TL	0.880	**6703910**	S 8303 TL
8250-180 TL			
8316-160 TL			

RZB2-12

PLIERS SET 3 pieces

- Practical set composition in sturdy plastic case
- JC = chrome-plated, 2-component handles with secure-grip hand protection

Contents	kg	Code	No.
8132-160 JC	0.940	**1692305**	RZB2-12
8250-180 JC			
8316-160 JC			

RZB2-11 546

RZB1-2

PLIERS SET 6 pieces

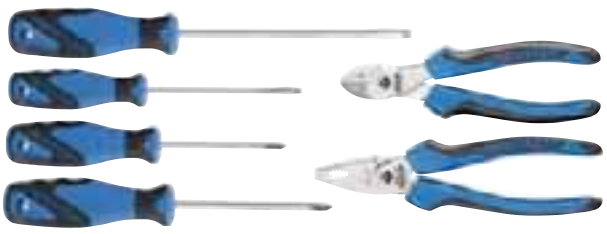
- Practical set composition in sturdy plastic case
- JC = chrome-plated, 2-component handles with secure-grip hand protection

Contents	kg	Code	No.
8098-160 JC	1.740	**1708155**	RZB1-2
8120-160 JC			
8122-160 JC			
8132-160 JC			
8250-180 JC			
8316-180 JC			

RZB1-16

TOOL SET 6 pieces

- Practical set composition in sturdy plastic case
- JC = chrome-plated, 2-component handles with secure-grip hand protection



Contents	kg	Code	No.
8250-180 JC	1.380	**1823671**	RZB1-16
8316-160 JC			
2150 4 6,5			
2160 PH 1 2			

CIRCLIP PLIERS SETS

S 8000

SET OF CIRCLIP PLIERS 4 pieces

- Most popular sizes, packed in environmentally-friendly cardboard box
- Particularly suitable for barely accessible places
- For internal and external circlip rings
- With straight and 90 ° angled tips

Contents	kg	Code	No.
8000 A 2 A 21 **8000 J 2 J 21**	0.756	**6701030**	S 8000

S 8100

SET OF CIRCLIP PLIERS 4 pieces

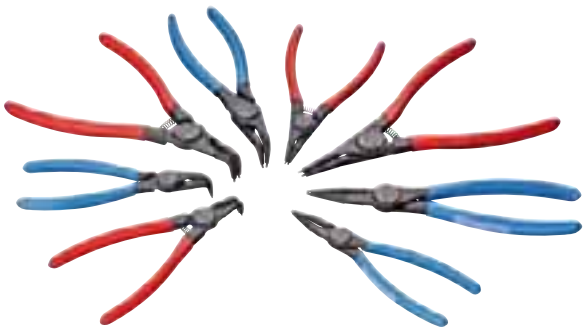
- Most popular sizes, packed in environmentally-friendly cardboard box
- Particularly suitable for barely accessible places
- For internal and external circlip rings
- With straight and 90 ° angled tips

Contents	kg	Code	No.
8000 A 1 A 2 **8000 J 1 J 2**	0.597	**6703080**	S 8100

S 8008

SET OF CIRCLIP PLIERS 8 pieces

- Most popular sizes, packed in environmentally-friendly cardboard box
- Particularly suitable for barely accessible places
- For internal and external circlip rings
- With straight and 90 ° angled tips

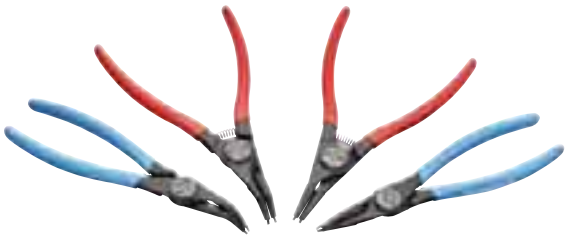


Contents	kg	Code	No.
8000 A 1 A 11 A 2 A 21 **8000 J 1 J 11 J 2 J 21**	1.082	**6700490**	S 8008

S 8024

SET OF CIRCLIP PLIERS 4 pieces

- Most popular sizes, packed in environmentally-friendly cardboard box
- For automotive use
- Particularly suitable for barely accessible places
- For internal and external circlip rings
- With straight and 45 ° angled tips

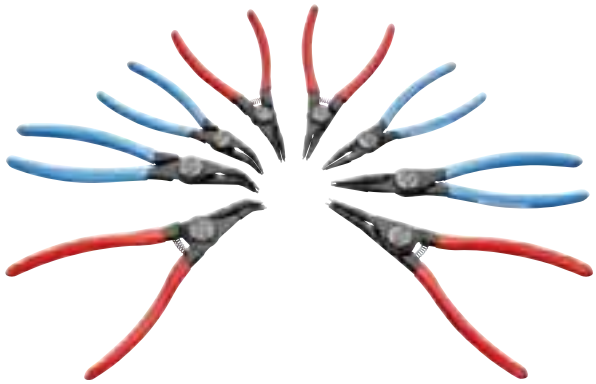


Contents	kg	Code	No.
8000 A 2 A 22 **8000 J 2 J 22**	0.756	**2148684**	S 8024

S 8028

SET OF CIRCLIP PLIERS 8 pieces

- Most popular sizes, packed in environmentally-friendly cardboard box
- For automotive use
- Particularly suitable for barely accessible places
- For internal and external circlip rings
- With straight and 45 ° angled tips



Contents	kg	Code	No.
8000 A 1 A 2 A 12 A 22 **8000 J 1 J 2 J 12 J 22**	1.082	**2148692**	S 8028

RZB1-11

PLIERS SET 4 pieces

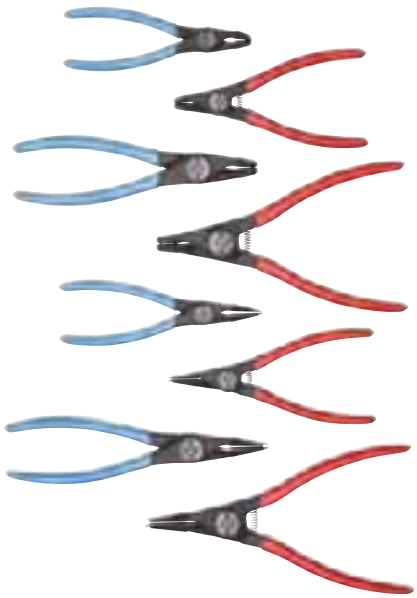
- Usual type of tool set packed in sturdy plastic case
- Particularly suitable for barely accessible places
- For internal and external circlip rings
- With straight and 90 ° angled tips

Contents	kg	Code	No.
8000 A 2 A 21 **8000 J 2 J 21**	1.220	**1692283**	RZB1-11

RZB1-3

PLIERS SET 8 pieces

- Usual type of tool set packed in sturdy plastic case
- Particularly suitable for barely accessible places
- For internal and external circlip rings
- With straight and 90 ° angled tips

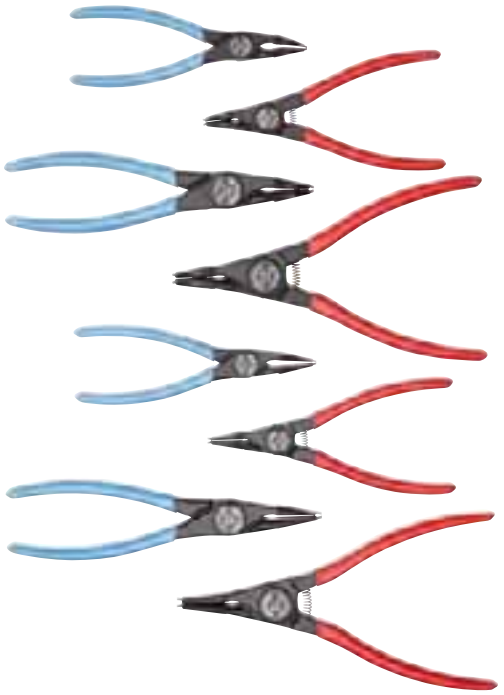


Contents	kg	Code	No.
8000 A 1 A 11 A 2 A 21 **8000 J 1 J 11 J 2 J 21**	1.550	**1692275**	RZB1-3

RZB1-19

SET OF CIRCLIP PLIERS 8 pieces

- For automotive use
- Particularly suitable for barely accessible places
- Circlip pliers with straight and 45 ° angled tips
- For the safe installation and removal of internal and external retaining rings up to a size of 60 mm
- In rugged plastic case



Contents	kg	Code	No.
8000 A 1 A 12 A 2 A 22 **8000 J 1 J 12 J 2 J 22**	1.550	**2148706**	RZB1-19

Technical Symbols

- Weight (total)
- Width across flats (Nominal Width)
- Thread size, connection thread
- Square drive (internal)
- Puller
- Clamping spread
- Clamping reach
- Depth of opening / Clamping width / Clamping range
- Size of spindle
- Hydraulic spindle
- Scale divisions
- Spread range
- new
- Catalogue page

Pullers

Service / Features 414 – 415;459

2-/3-arm Universal External + Internal Pullers 416 – 427

Summary of puller legs 428 – 429

Spindle summary 430 – 431

Safety cover 432

Bearing assembly 432

3-arm External Puller TWIST+PULL 433

2-/3-arm Fan / Battery-terminal Pullers 434 – 438

2-/3-arm External Pullers 439 – 440

Pullers with clamping yoke 441

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Hydraulic implements 442 – 443

Separators 444 – 445

Ball bearing extractors 446 – 447

Internal extractors

Counter-support brace

Sliding hammer 448 – 452

Cylinder liner puller 451

Special Automotive Tools 453 – 457

Threaded inserts

Nut splitters

Stud extractor 457 – 458

Add-on systems 460 – 461

Heavy-duty Pullers 462 – 471

GEDORE Pullers...

For maximum performance - even under a multi-ton load

- High-grade industrial quality for the toughest forms of continuous use and safety in everyday work
- Our innovative force over the past few years, which has given rise to numerous patents and utility models, is very much a reflection of our extensive track record in the development and production of puller tools.
- Effortless moving of multi-ton loads
- Ideal for the controlled use of force and a vital requirement for safe working: puller in association with a torque wrench

Intelligent designs - well thought-out components

- The refined GEDORE pullers impress as much through their quality as they do through their user-friendliness and superiority in detail:
- A lasered scale on the 2-arm cross-beam enable the legs to be symmetrically aligned
- Leg brake and quick-release clamp are those rapid and assured ways of locking and fastening the puller legs
- Both the nitro-carburised mechanical and hydraulic spindles have properties that make work considerably easier and safer.

Best-possible quality for your safety

- Maximum value is attached to the safety of the puller when selecting the material and manufacturing process for each individual component part beforehand.
- Any overloading of drop-forged components, such as 2-arm cross-beams, legs and clamping parts, is revealed through deformation - on account of the course of their fibres - rather than through fracturing and/or splintering.
- Thermo-chemical treatment bestows a hardness on the components meeting the demands placed.
- Strict quality checks ensure a constant high level

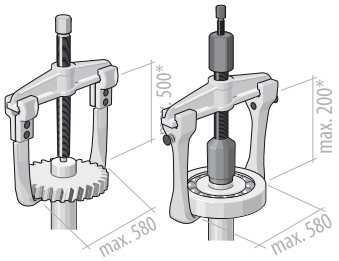
Flexibility and specialization - the right tool for every demand placed

- Irrespective as to whether the same pulling operations are repeated or whether you are confronted each time with new pulling challenges, special or flexible all-purpose pullers - saving both on time and force - are there to meet your individual demands
- The 1.06 and 1.07 series provide that unsurpassed flexibility. 2 and 3-arm cross-beams of various sizes, legs in the most varied of shapes and lengths, various fastening systems and the scope to replace the mechanical spindle by a hydraulic one all give rise to a modular system with which you can extensively retrofit and update your puller - thus making it applicable for all sorts of pulling situations.
- Appropriate ranges for varied fields of work - including the workshop, industry and agricultural/constructional machinery repairs.
- From the incidental parts to the heavy-duty puller, GEDORE provides tools for external, internal and ball bearing pullers and special-purpose tools. Should you still not find the right tool, then do contact us as to possible customised manufacturing.

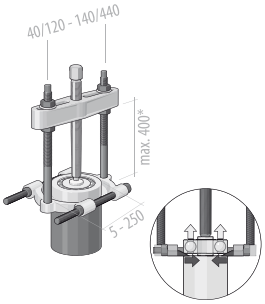
Your path to the right puller

How can the component to be extracted be gripped?
Is a support possible either externally or internally?
Which clamping spread/reach has to be obtained?

416 – 443
External pulling



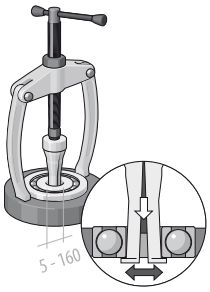
- The component to be extracted can only be gripped externally
- The centre axle is for supporting purposes



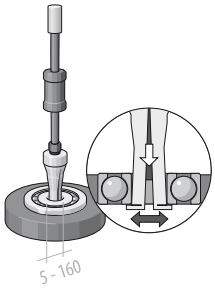
- The component to be extracted is well set into, thus ruling out the use of pulling legs
- The centre axle is for supporting purposes

448 – 452
Internal pulling

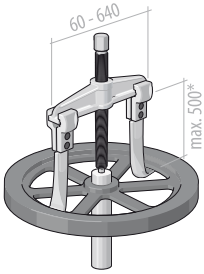
- The component to be extracted can only be gripped internally
- Centre axle supporting is not possible



- Supporting possible outside of the component

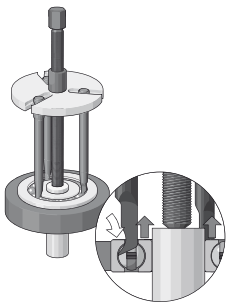


- No support possible - thus the use of extracting aids



- Centre axle supporting is possible

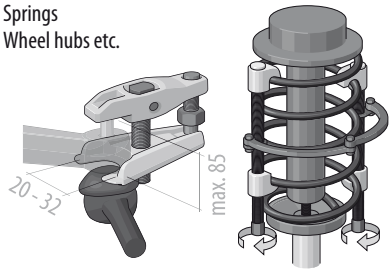
446 – 447
Ball bearing extraction



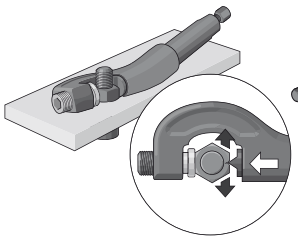
- The ball bearing to be pulled is fitted on a shaft and in a housing and, as such, can neither be internally or externally gripped

453 – 458
Extraction using a special-purpose tool

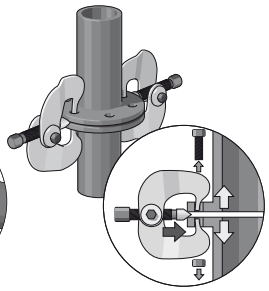
- Automotive tool for
- Ball joints
- Oil filters /cartridges
- Steering wheel
- Springs
- Wheel hubs etc.



- Supporting possible outside of the component

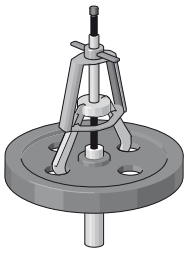


- Nut splitters
- Stud extractors

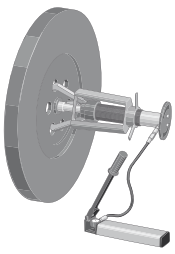


- Flange separators
- Threaded inserts

462– 471
Heavy-duty extracting



- Mechanical extracting of heavy loads up to 36 tons



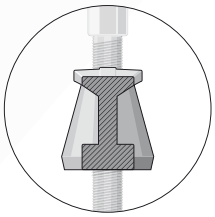
- Hydraulic extracting of heavy loads up to 45 tons

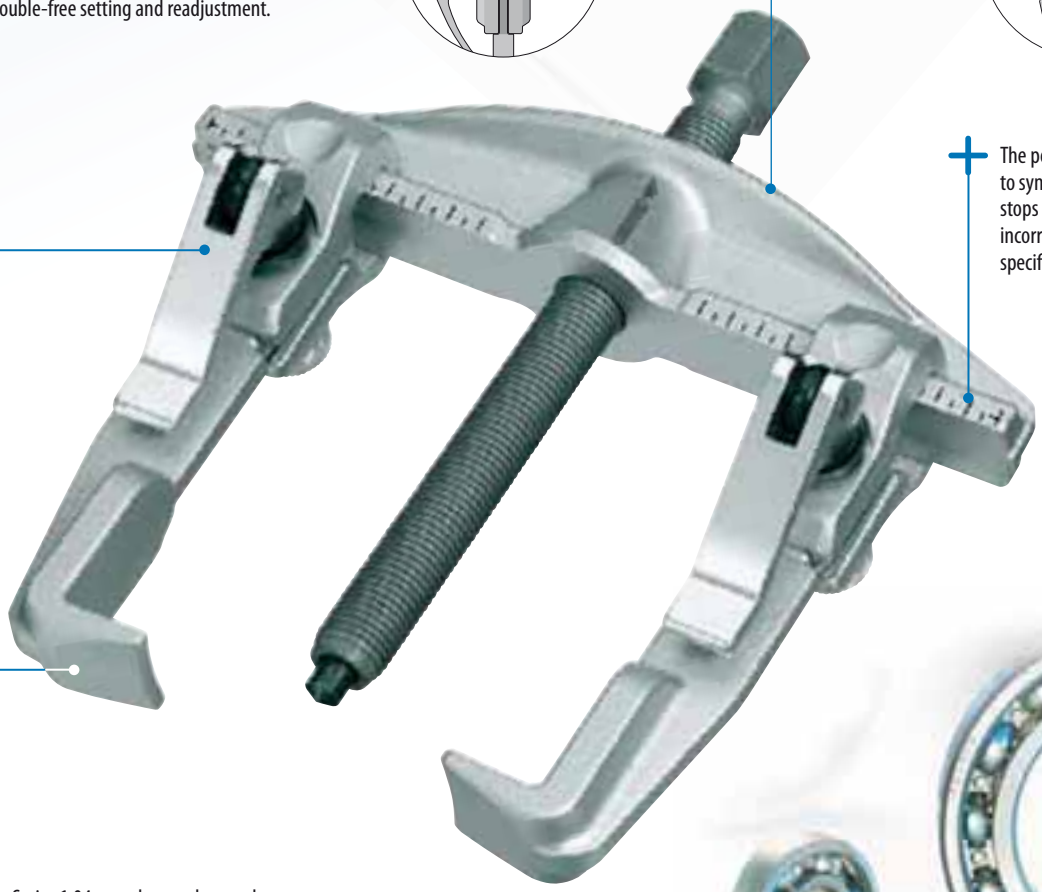
* extendable using extensions

1.04 – A thoroughly superior type of puller

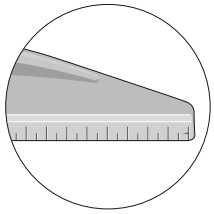
Reinforced cross-beam - the additional arching at the top of the crossbar produces an H-profile which, in turn, raises the load capacity as against the flexural torque.

The legs of the 1.04 puller series have a T-profile. This ensures a positive fit between leg and cross-beam. The T-profile transfers the tensile force of the hooks via the clamping parts to the cross-beam - with no losses involved. The quick-release adjuster makes for trouble-free setting and readjustment.





The permanently lasered scale makes it easier to symmetrically align the legs. This effectively stops any tilting when extracting caused by incorrectly positioned legs. A final marking specifies the maximum clamping spread.



Series 1.04 cross-beams, legs and clamping parts are hot drop-forged from hardened and tempered steel, giving them all the benefits of drop-forged components.

Safety-relevant

Forces amounting to several tons in weight act on the puller during the extracting operation! Drop-forged components "announce" possible overloading by bending. This is due to the fibre course of the material during forging permitting a certain flexibility of the components ahead of fracturing - an extremely "healthy" property, in fact !

GEDORE spindles…

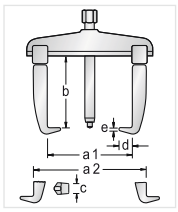
… comprise turned hardened and tempered steel. The fine thread is then rolled - this additional strengthening of the steel gives rolled thread a higher strength than a thread produced by cutting.
… have a fine thread which stops any unintended slackening from vibrations.
… are thermo-chemically treated. Nitro-carburating gives the spindle a high degree of wear and corrosion resistance. Oils and greases are not needed and, as such, the thread stays clean and smooth much longer.
… are fitted out with a replaceable spindle tip which is equally suitable for both centred and non-centred shafts.

2-/3-ARM UNIVERSAL EXTERNAL + INTERNAL PULLERS

1.04

UNIVERSAL PULLER 2-arm pattern

- For the safe and quick removal of pulleys, wheels, ball bearings, etc.
- Strong drop forged pattern
- Due to the bending-moment reinforcement on its back face, the energy-saving design of the cross-beam means even stronger and safer pulling work
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- With the newly-developed cantilever hook design, it is possible to use these higher forces without losses over the whole width of the cross-beam
- The quick-action adjustment feature supports the energy-saving and fast operation
- Spindle with replaceable ball and tip point
- Upgradeable with hydraulic spindle (see table)

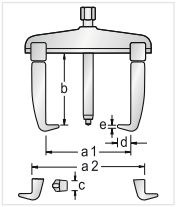


a_1	$a_{2\,min}$	$a_{2\,max}$	b	max. t		mm	optional	c	d	e		kg	Code	No.
130	70	170	100	3.0	M 14x1,5 x 140	17	–	22	12	3.0	x	1.2	**1307703**	1.04/1A
200	110	260	150	5.0	G 1/2 x 210	22	1.06/HSP1	30	18	3.5	x	3.4	**1307827**	1.04/2A
350	150	420	200	7.5	G 3/4 x 280	27	1.06/HSP2	36	28	6.5	x	7.7	**1307940**	1.04/3A

1.04/B

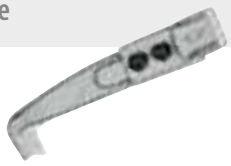
UNIVERSAL PULLER 2-arm pattern, rigid legs with leg brake

- Due to the bending-moment reinforcement on its back face, the energy-saving design of the cross-beam means even stronger and safer pulling work
- Strong drop forged pattern
- Rigid legs forged from one piece
- The legs clamp automatically when under tension
- Leg brake - prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button
- By reversing the legs, this tool can be used as an internal or external puller
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Spindle with replaceable ball and tip
- Spindle thermo-chemically hardened
- Upgradeable with hydraulic spindle (see table)



a_1	$a_{2\,min}$	$a_{2\,max}$	b	max. t		mm	optional	c	d	e		kg	Code	No.
130	70	170	100	3.0	M 14x1,5 x 140	17	–	22	15	3.0	x	1.2	**1981110**	1.04/1A-B
200	110	260	150	5.0	G 1/2 x 210	22	1.06/HSP1	30	24	3.5	x	3.4	**1981129**	1.04/2A-B
350	150	420	200	7.5	G 3/4 x 280	27	1.06/HSP2	36	33	5.0	x	7.7	**1981137**	1.04/3A-B

Legs with leg brake 430



104/E

QUICK-RELEASE PULLING LEG

- Quick-release pulling leg for 1.04

	b	c	d	e	kg	Code	No.
1.04/1A	100	22	12	3.0	0.3	**1499351**	104/A-100-TE
1.04/2A	150	30	18	3.5	0.7	**1499378**	104/B-150-TE
1.04/3A	200	36	28	6.5	2.9	**1499386**	104/C-200-TE

1.04/ST

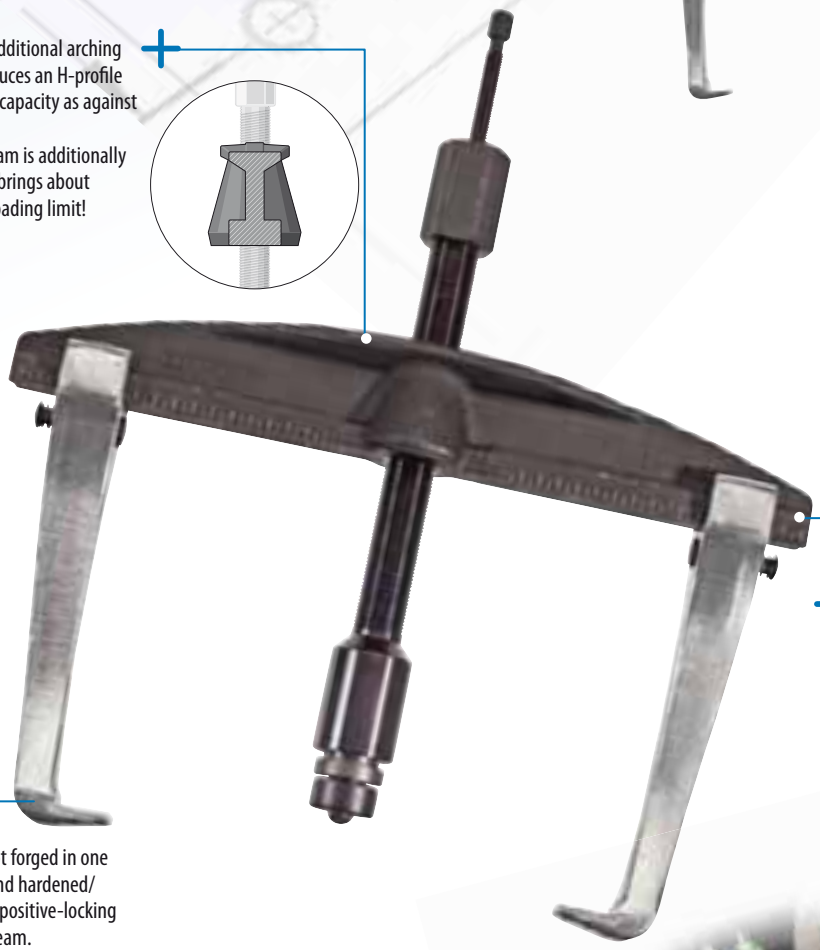
PULLER SET on sales display

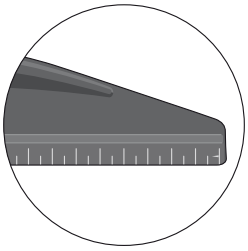
- Consisting of 3 each pullers and sales display

	kg	Code	No.
1.04/1A	15.2	**1675982**	1.04/ST
1.04/2A			
1.04/3A			
1.04/HP1A-B	15.2	**2300044**	1.04/ST-HP-B
1.04/HP2A-B			
1.04/HP3A-B			

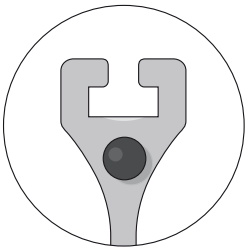
1.04 HIGH POWER - The power pack

- Reinforced cross-beam - the additional arching at the top of the crossbar produces an H-profile which, in turn, raises the load capacity as against the flexural torque.
- In the HP version the cross-beam is additionally hardened and tempered. This brings about practically a doubling of the loading limit!





- The permanently lasered scale makes it easier to symmetrically align the legs. This effectively stops any tilting when extracting caused by incorrectly positioned legs. A final marking specifies the maximum clamping spread.



- The all-in steel legs are hot forged in one piece from 31CrV3 steel and hardened/ tempered. They provide a positive-locking connection to the cross-beam.
- The leg brake secures the hooks from unintentional motions.
- Pressing the release button unlatches the locking - the leg can be moved on the cross-beam. Releasing the button causes the leg to jam tight on the cross-beam with slipping ruled out.

Safety-relevant

Forces amounting to several tons in weight act on the puller during the extracting operation! Drop-forged components "announce" possible overloading by bending. This is due to the fibre course of the material during forging permitting a certain flexibility of the components ahead of fracturing - an extremely "healthy" property, in fact !

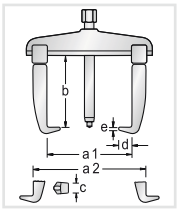
Hydraulic spindles

- Hydraulic spindles simplify the work - less force and time needed for a pulling operation
- The hydraulic spindle principle is both straightforward and ingenious at the same time. The effect of screwing in the clamping bolt is to compress the grease inside the hydraulic piston - the extending piston acts on the part to be extracted with a force many times greater than that manually applied at the top.
- This controlled operation provides for working safely with the hydraulic spindle and is recommended, in particular, for high levels of force.
- In the 1.04 series a hydraulic spindle can be used upwards of puller size 2A. The pressure piece can be replaced by a tip and lengthened by 35, 85 or 135 mm. The small pressure spindle is secured with an unscrewing lock to stop any accidental withdrawal.

1.04/HP

UNIVERSAL PULLER HIGH POWER 2-arm pattern

- Cross-beam especially hardened and tempered allows safe application of extremely high pulling forces and doubles the tensile force capability
- Strong drop forged pattern
- By reversing the legs, this tool can be used as an internal or external puller
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Integral legs, with quick-release
- Spindle with replaceable ball and tip
- Spindle thermo-chemically hardened
- Upgradeable with hydraulic spindle (see table)

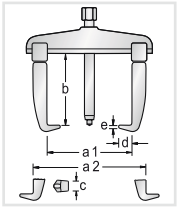


a_1	$a_{2\,min}$	$a_{2\,max}$	b	max. t		mm	optional	c	d	e		kg	Code	No.
130	70	170	100	5.0	M 14x1,5 x 140	17	–	22	12	3.0	x	1.2	**1868152**	1.04/HP1A
200	110	260	150	10.0	G 1/2 x 210	22	1.06/HSP1	30	18	3.5	x	3.4	**1868160**	1.04/HP2A
350	150	420	200	15.0	G 3/4 x 280	27	1.06/HSP2	36	28	6.5	x	7.7	**1868179**	1.04/HP3A

1.04/HP-B

UNIVERSAL PULLER HIGH POWER 2-arm pattern, rigid legs with leg brake

- Cross-beam especially hardened and tempered allows safe application of extremely high pulling forces and doubles the tensile force capability
- Strong drop forged pattern
- Rigid legs forged from one piece
- Leg brake - prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button
- By reversing the legs, this tool can be used as an internal or external puller
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Two versions: with mechanical or hydraulic spindle

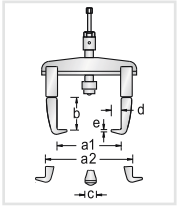


a_1	$a_{2\,min}$	$a_{2\,max}$	b	max. t		mm	optional	c	d	e		kg	Code	No.
130	70	170	100	5.0	M 14x1,5 x 140	17	–	22	15	3.0	x	1.2	**1981145**	1.04/HP1A-B
200	110	260	150	10.0	G 1/2 x 210	22	1.06/HSP1	30	24	3.5	x	3.4	**1981153**	1.04/HP2A-B
350	150	420	200	15.0	G 3/4 x 280	27	1.06/HSP2	36	32	5.0	x	7.7	**1981161**	1.04/HP3A-B

1.04/HP-B-HSP

UNIVERSAL PULLER HIGH POWER hydraulic, 2-arm pattern, solid steel legs with leg brake

- Cross-beam especially hardened and tempered allows safe application of extremely high pulling forces and doubles the tensile force capability
- Strong drop forged pattern
- Rigid legs forged from one piece
- Leg brake - prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button
- By reversing the legs, this tool can be used as an internal or external puller
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- With the hydraulic spindle, a controlled and safe pulling action is possible at all times
  Also available with standard spindle - Model 1.04/HP-B

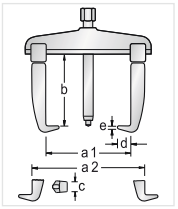


a_1	$a_{2\,min}$	$a_{2\,max}$	b	max. t	max. N·m		c	d	e		kg	Code	No.
200	110	260	70	10.0	17	1.06/HSP1	30	24	3.5	x	3.8	**2016206**	1.04/HP2A-B-HSP1
350	150	420	120	12.0	19	1.06/HSP2	36	32	5.0	x	7.8	**2300036**	1.04/HP3A-B-HSP2

1.06

UNIVERSAL PULLER 2-arm pattern

- The tried and tested model for the safe and quick removal of pulleys, wheels, ball bearings, etc.
- Strong drop forged design
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- By reversing the legs, this tool can be used as an internal or external puller
- Extra or replacement legs increase versatility
- Upgradeable with hydraulic spindle (see table)

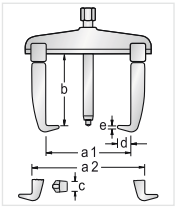


a_1	$a_{2\,min}$	$a_{2\,max}$	b	max. t		mm	optional	c	d	e		kg	Code	No.
90	60	140	100	3.0	M 14x1,5 x 140	17	–	22	12	3.0	x	1.1	**8000230**	1.06/1
130	70	180	100	3.0	M 14x1,5 x 140	17	–	22	12	3.0	x	1.3	**8000310**	1.06/1A
160	80	220	150	5.0	G 1/2 x 210	22	1.06/HSP1	30	18	3.5	x	3.0	**8000580**	1.06/2
200	90	260	150	5.0	G 1/2 x 210	22	1.06/HSP1	30	18	3.5	x	3.5	**8000660**	1.06/2A
250	125	330	200	7.5	G 3/4 x 280	27	1.06/HSP2	36	28	6.5	x	7.2	**8000740**	1.06/3
350	125	420	200	7.5	G 3/4 x 280	27	1.06/HSP2	36	28	6.5	x	8.2	**8000820**	1.06/3A
520	185	600	200	10.0	G 1 x 310	36	1.06/HSP3	36	28	6.5	-	13.7	**8000900**	1.06/4

1.06

UNIVERSAL PULLER 2-arm pattern, with extended legs

- Strong drop forged design
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Extended legs
- By reversing the legs, this tool can be used as an internal or external puller
- Extra or replacement legs increase versatility
- Upgradeable with hydraulic spindle (see table)

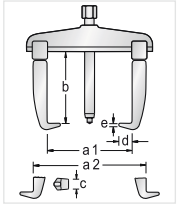


a_1	$a_{2\,min}$	$a_{2\,max}$	b	max. t		mm	optional	c	d	e		kg	Code	No.
90	60	140	200	3.0	M 14x1,5 x 140	17	–	22	12	3.0	x	1.5	**8108350**	1.06/1-2
130	70	180	200	3.0	M 14x1,5 x 140	17	–	22	12	3.0	x	1.6	**8108430**	1.06/1A-2
160	80	220	300	5.0	G 1/2 x 210	22	1.06/HSP1	30	18	3.5	x	4.1	**8108510**	1.06/2-3
200	90	260	300	5.0	G 1/2 x 210	22	1.06/HSP1	30	18	3.5	x	4.5	**8108780**	1.06/2A-3
250	125	330	300	7.5	G 3/4 x 280	27	1.06/HSP2	36	28	6.5	x	9.1	**8001200**	1.06/3-3
350	125	420	300	7.5	G 3/4 x 280	27	1.06/HSP2	36	28	6.5	x	9.8	**8108860**	1.06/3A-3
520	185	600	300	10.0	G 1 x 310	36	1.06/HSP3	36	28	6.5	x	15.2	**8108940**	1.06/4-3
250	125	330	400	7.5	G 3/4 x 280	27	1.06/HSP2	36	28	6.5	x	10.0	**8109080**	1.06/3-4
350	125	420	400	7.5	G 3/4 x 280	27	1.06/HSP2	36	28	6.5	x	11.1	**8109160**	1.06/3A-4
520	185	600	400	10.0	G 1 x 310	36	1.06/HSP3	36	28	6.5	-	16.4	**8109240**	1.06/4-4
250	125	330	500	7.5	G 3/4 x 280	27	1.06/HSP2	36	28	6.5	x	11.3	**8109320**	1.06/3-5
350	125	420	500	7.5	G 3/4 x 280	27	1.06/HSP2	36	28	6.5	x	12.2	**8112380**	1.06/3A-5
520	185	600	500	10.0	G 1 x 310	36	1.06/HSP3	36	28	6.5	-	19.0	**8112460**	1.06/4-5

1.06/B

UNIVERSAL PULLER 2-arm pattern, rigid legs with leg brake

- Strong drop forged design
- Rigid legs forged from one piece
- Leg brake - prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- By reversing the legs, this tool can be used as an internal or external puller
- Extra or replacement legs increase versatility
- Upgradeable with hydraulic spindle (see table)

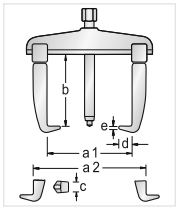


a_1	$a_{2\,min}$	$a_{2\,max}$	b	max. t		mm	optional	c	d	e		kg	Code	No.
100	50	140	100	3.0	M 14x1,5 x 140	17	–	22	15	3.0	x	0.9	**1956337**	1.06/11-B
140	60	180	100	3.0	M 14x1,5 x 140	17	–	22	15	3.0	x	1.3	**1956345**	1.06/1A1-B
170	80	220	150	5.0	G 1/2 x 210	22	1.06/HSP1	30	24	3.5	x	2.8	**1956353**	1.06/21-B
210	90	260	150	5.0	G 1/2 x 210	22	1.06/HSP1	30	24	3.5	x	3.3	**1956361**	1.06/2A1-B
250	125	340	200	7.5	G 3/4 x 280	27	1.06/HSP2	36	32	5.0	x	6.7	**1956388**	1.06/31-B
340	125	430	200	7.5	G 3/4 x 280	27	1.06/HSP2	36	32	5.0	x	7.5	**1956396**	1.06/3A1-B
520	185	610	200	10.0	G 1 x 310	36	1.06/HSP3	36	32	5.0	-	14.0	**1958399**	1.06/41-B

1.06/E

QUICK-RELEASE PULLER 2-arm pattern

- The tried and tested model for the safe and quick removal of pulleys, wheels, ball bearings, etc.
- Strong drop forged pattern
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- By reversing the legs, this tool can be used as an internal or external puller
- Exchangeable legs for several clamping reaches available as accessories
- Quick release legs for fast, easy set-up and adjustment
- Upgradeable with hydraulic spindle (see table)

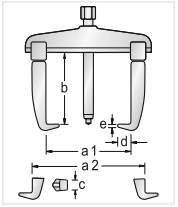


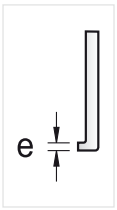
a_1	$a_{2\,min}$	$a_{2\,max}$	b	max. t		mm	optional	c	d	e		kg	Code	No.
90	60	140	100	3.0	M 14x1,5 x 140	17	–	22	12	3.0	x	1.1	**1213830**	1.06/1-E
130	70	180	100	3.0	M 14x1,5 x 140	17	–	22	12	3.0	x	1.3	**1215140**	1.06/1A-E
160	80	220	150	5.0	G 1/2 x 210	22	1.06/HSP1	30	18	3.5	x	3.0	**1216570**	1.06/2-E
200	90	260	150	5.0	G 1/2 x 210	22	1.06/HSP1	30	18	3.5	x	3.5	**1217720**	1.06/2A-E
250	125	330	200	7.5	G 3/4 x 280	27	1.06/HSP2	36	28	6.5	x	7.1	**1218980**	1.06/3-E
350	125	420	200	7.5	G 3/4 x 280	27	1.06/HSP2	36	28	6.5	x	8.2	**1220160**	1.06/3A-E

1.06/S-E

QUICK-RELEASE PULLER 2-arm pattern, with slim legs

- The forged leg feet are very slim
- Particularly suitable for barely accessible places
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Quick release legs for fast, easy set-up and adjustment





a	b	max. t		mm	optional	c	d	e	f		kg	Code	No.
100	100	2.0	M 14x1,5 x 140	17	–	29.8	7.5	3.7	13.5	x	1.0	**2015706**	1.06/S1-E
140	100	2.5	M 14x1,5 x 140	17	–	29.8	7.5	3.7	13.5	x	1.1	**2015714**	1.06/S1A-E
160	150	5.0	G 1/2 x 210	22	1.06/HSP1	40.0	7.0	5.0	15.0	x	2.9	**2015722**	1.06/S2-E
200	150	5.0	G 1/2 x 210	22	1.06/HSP1	40.0	7.0	5.0	15.0	x	3.2	**2015730**	1.06/S2A-E

1.06/ST

PULLER SET on display stand

- Consisting of 5 pullers each in different sizes with standard or quick-release pulling legs

	kg	Code	No.
1.06/1 1.06/1A 1.06/2 1.06/2A 1.06/3	19.0	**8111570**	1.06/ST
1.06/1-E 1.06/1A-E 1.06/2-E 1.06/2A-E 1.06/3-E	19.2	**1322745**	1.06/ST-E
1.06/11-B 1.06/1A1-B 1.06/21-B 1.06/2A1-B 1.06/31-B	17.2	**2004569**	1.06/ST1-B

5.10

Remember the safety cover!

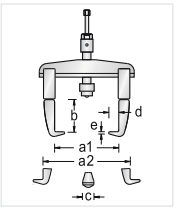
432

Spindle / Legs 428 – 431

1.06/HSP

UNIVERSAL PULLER hydraulic, 2-arm pattern

- The tried and tested model for the safe and quick removal of pulleys, wheels, ball bearings, etc.
- Strong drop forged pattern
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- By reversing the legs, this tool can be used as an internal or external puller
- With the hydraulic spindle, a controlled and safe pulling action is possible at all times
  The pressure piece can be replaced by a tip and lengthened, as required.
  The small pressure spindle is secured with an unscrewing lock to stop any accidental withdrawal.
  Also available with standard spindle - Model 1.06

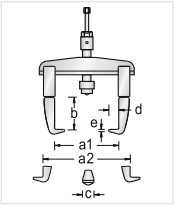


a_1	a_2	b	max. t	max. N·m		c	d	e		kg	Code	No.
160	220	70	5.0	9	1.06/HSP1	30	18	3.5	x	3.6	**8000150**	1.06/2-HSP1
200	260	70	5.0	9	1.06/HSP1	30	18	3.5	x	4.0	**8002870**	1.06/2A-HSP1
250	330	120	7.5	13	1.06/HSP2	36	28	6.5	x	7.5	**8003170**	1.06/3-HSP2
350	420	120	7.5	13	1.06/HSP2	36	28	6.5	x	8.8	**8003920**	1.06/3A-HSP2
520	600	75	10.0	25	1.06/HSP3	36	28	6.5	-	14.6	**8004060**	1.06/4-HSP3

1.06/HSP-B

UNIVERSAL PULLER hydraulic, 2-arm pattern, rigid legs with leg brake

- Strong drop forged pattern
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Rigid legs forged from one piece
- Leg brake - prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button
- By reversing the legs, this tool can be used as an internal or external puller
- With the hydraulic spindle, a controlled and safe pulling action is possible at all times
  The pressure piece can be replaced by a tip and lengthened, as required.
  The small pressure spindle is secured with an unscrewing lock to stop any accidental withdrawal.
  Also available with standard spindle - Model 1.06/B

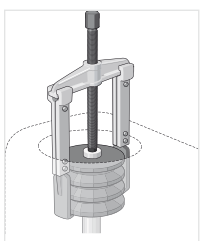


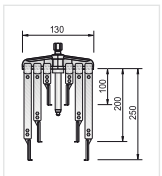
a_1	a_2	b	max. t	max. N·m		c	d	e		kg	Code	No.
170	220	70	5.0	9	1.06/HSP1	30	24	3.5	x	3.3	**1957899**	1.06/21-B-HSP1
210	260	70	5.0	9	1.06/HSP1	30	24	3.5	x	3.4	**1957902**	1.06/2A1-B-HSP1
250	340	120	7.5	13	1.06/HSP2	36	32	5.0	x	7.2	**1957910**	1.06/31-B-HSP2
340	430	120	7.5	13	1.06/HSP2	36	32	5.0	x	8.3	**1957929**	1.06/3A1-B-HSP2
520	610	75	10.0	25	1.06/HSP3	36	32	5.0	-	14.0	**1957937**	1.06/41-B-HSP3

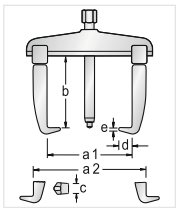
1.06/AS

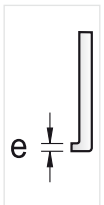
PULLER SET with 6 legs

- 2-arm puller, with 6 slim legs in 3 lengths
- Particularly suitable for barely accessible places







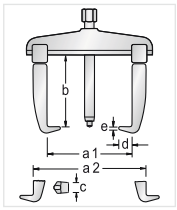


a	b	max. t		mm	optional	c	d	e	f		kg	Code	No.
130	100 / 200 / 250	2.5	M 14x1,5 x 140	17	–	29.5	7.5	3.7	13.5	x	3.4	**8001710**	1.06/AS
260	150 / 220 / 300	5.0	G 1/2 x 210	22	1.06/HSP1	40.0	7.0	5.0	15.0	x	8.1	**1675974**	1.06/AS-2

1.07

UNIVERSAL PULLER 3-arm pattern

- Even load distribution over 3 legs ensures secure grip and balanced pull
- By reversing the legs, this tool can be used as an internal or external puller
- Extra or replacement legs increase versatility
- Upgradeable with hydraulic spindle (see table)

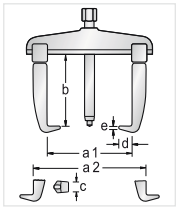


a_1	$a_{2\,min}$	$a_{2\,max}$	b	max. t		mm	optional	c	d	e	kg	Code	No.
90	70	140	100	3.0	M 14x1,5 x 140	17	–	22	12	3.0	1.4	**8113940**	1.07/1
130	80	180	100	3.0	M 14x1,5 x 140	17	–	22	12	3.0	1.6	**8114080**	1.07/1A
160	100	220	150	5.0	G 1/2 x 210	22	1.06/HSP1	30	18	3.5	3.6	**8114160**	1.07/2
200	100	260	150	5.0	G 1/2 x 210	22	1.06/HSP1	30	18	3.5	4.2	**8114240**	1.07/2A
250	100	400	200	7.5	G 3/4 x 280	27	1.06/HSP2	36	28	6.5	9.3	**1541757**	1.07/3

1.07/B

UNIVERSAL PULLER 3-arm pattern, rigid legs with leg brake

- Even load distribution over 3 legs ensures secure grip and balanced pull
- Rigid legs forged from one piece
- Leg brake - prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button
- By reversing the legs, this tool can be used as an internal or external puller
- Extra or replacement legs increase versatility
- Upgradeable with hydraulic spindle (see table)

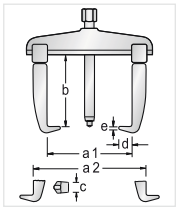


a_1	$a_{2\,min}$	$a_{2\,max}$	b	max. t		mm	optional	c	d	e	kg	Code	No.
90	70	140	100	3.0	M 14x1,5 x 140	17	–	22	15	3.0	1.2	**1957945**	1.07/11-B
130	80	180	100	3.0	M 14x1,5 x 140	17	–	22	15	3.0	1.4	**1957953**	1.07/1A1-B
160	100	220	150	5.0	G 1/2 x 210	22	1.06/HSP1	30	24	3.5	3.5	**1957961**	1.07/21-B
200	100	260	150	5.0	G 1/2 x 210	22	1.06/HSP1	30	24	3.5	3.7	**1957988**	1.07/2A1-B
250	100	400	200	7.5	G 3/4 x 280	27	1.06/HSP2	36	28	6.5	8.0	**1957996**	1.07/31-B

1.07/E

QUICK-RELEASE PULLER 3-arm pattern

- Quick release legs for fast, easy set-up and adjustment
- By reversing the legs, this tool can be used as an internal or external puller
- Upgradeable with hydraulic spindle (see table)

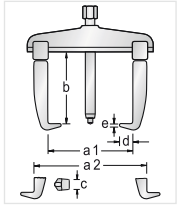


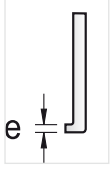
a_1	$a_{2\,min}$	$a_{2\,max}$	b	max. t		mm	optional	c	d	e	kg	Code	No.
90	70	140	100	3.0	M 14x1,5 x 140	17	–	22	12	3.0	1.4	**1222902**	1.07/1-E
130	80	180	100	3.0	M 14x1,5 x 140	17	–	22	12	3.0	1.6	**1225901**	1.07/1A-E
160	100	220	150	5.0	G 1/2 x 210	22	1.06/HSP1	30	18	3.5	3.8	**1227335**	1.07/2-E
200	100	260	150	5.0	G 1/2 x 210	22	1.06/HSP1	30	18	3.5	4.0	**1227459**	1.07/2A-E
250	100	400	200	7.5	G 3/4 x 280	27	1.06/HSP2	36	28	6.5	9.2	**1554751**	1.07/3-E

1.07/S-E

QUICK-RELEASE PULLER 3-arm pattern, with slim legs

- The forged leg feet are very slim
- Particularly suitable for barely accessible places
- Quick release legs for fast, easy set-up and adjustment





a	b	max. t		mm	optional	c	d	e	f	kg	Code	No.
130	100	2.5	M 14x1,5 x 140	17	–	29.5	7.5	3.7	13.5	1.4	**2016044**	1.07/S1A-E
90	100	2.5	M 14x1,5 x 140	17	–	29.5	7.5	3.7	13.5	1.3	**2016036**	1.07/S1-E
200	150	5.0	G 1/2 x 210	22	1.06/HSP1	40.0	7.0	5.0	15.0	3.9	**2016060**	1.07/S2A-E
160	150	5.0	G 1/2 x 210	22	1.06/HSP1	40.0	7.0	5.0	15.0	3.6	**2016052**	1.07/S2-E

1.07/HSP

UNIVERSAL PULLER hydraulic, 3-arm pattern

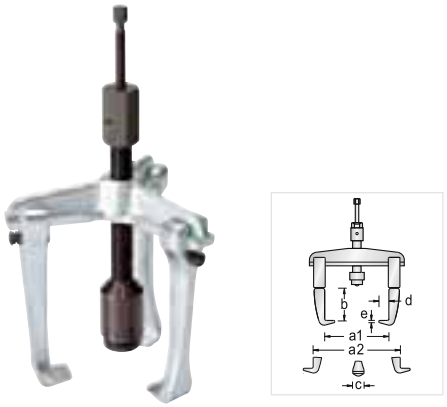
- The tried and tested model for the safe and quick removal of pulleys, wheels, ball bearings, etc.
- Drop forged pattern
- By reversing the legs, this tool may be used as an internal or external puller
- With the hydraulic spindle, a controlled and safe pulling action is possible at all times
  The pressure piece can be replaced by a tip and lengthened, as required.
  The small pressure spindle is secured with an unscrewing lock to stop any accidental withdrawal.
  Also available with standard spindle - Model 1.07

$a_{1\,min}$	$a_{1\,max}$	$a_{2\,min}$	$a_{2\,max}$	b	max. t	max. N·m		c	d	e	kg	Code	No.
20	160	140	220	70	5.0	9	1.06/HSP1	30	18	3.5	4.6	**8009960**	1.07/2-HSP1
20	200	140	260	70	5.0	9	1.06/HSP1	30	18	3.5	4.7	**8010970**	1.07/2A-HSP1
25	250	220	340	120	7.5	13	1.06/HSP2	36	28	6.5	9.6	**1554816**	1.07/3-HSP2
150	450	270	530	140	10.0	25	1.06/HSP3	36	28	6.5	19.4	**8012400**	1.07/4-HSP3
150	580	270	640	140	10.0	25	1.06/HSP3	36	28	6.5	22.4	**1962574**	1.07/4A-HSP3

1.07/HSP-B

UNIVERSAL PULLER hydraulic, 3-arm pattern, rigid legs with leg brake

- Even load distribution over 3 legs ensures secure grip and balanced pull
- Rigid legs forged from one piece
- Leg brake - prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button
- By reversing the legs, this tool can be used as an internal or external puller
- Extra or replacement legs increase versatility
  The pressure piece can be replaced by a tip and lengthened, as required.
  The small pressure spindle is secured with an unscrewing lock to stop any accidental withdrawal.
  Also available with standard spindle - Model 1.07/B

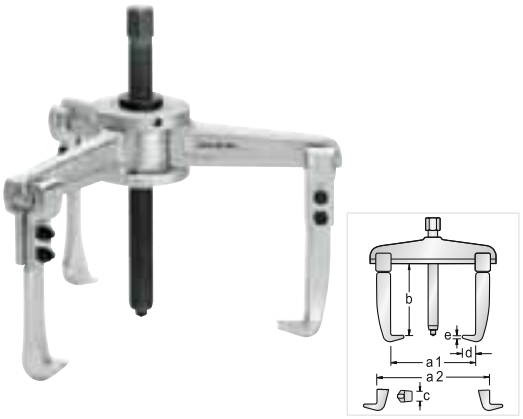


$a_{1\,min}$	$a_{1\,max}$	$a_{2\,min}$	$a_{2\,max}$	b	max. t	max. N·m		c	d	e	kg	Code	No.
20	160	140	220	70	5.0	9	1.06/HSP1	30	24	3.5	4.1	**2546566**	1.07/21-B-HSP1
20	200	140	260	70	5.0	9	1.06/HSP1	30	24	3.5	4.2	**2079984**	1.07/2A1-B-HSP1
25	250	220	340	120	7.5	13	1.06/HSP2	36	28	6.5	8.6	**2545128**	1.07/31-B-HSP2

1.07/4

UNIVERSAL PULLER 2-/3-arm pattern

- Just like our standard model no. 1.06, this puller is designed for all branches of industry, but particularly for the construction of electric motors
- It is also suitable for removing heavy, multistage V-belt pulley wheels, flywheels, gear wheels, etc.
- Pins are used to lock the arms at 120 degrees to each other on the hub
- Upgradeable with hydraulic spindle (see table)
- This puller may also be used with the hydraulic aid 1.50 without requiring any reduction bushing
- On request, this puller is also available with further legs and extendable up to 6 arms

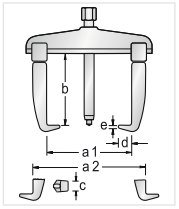


$a_{1\,min}$	$a_{1\,max}$	$a_{2\,min}$	$a_{2\,max}$	b	max. t		mm	optional	c	d	e	kg	Code	No.
150	450	270	530	200	10	G 1 x 360	36	1.06/HSP3	36	28	6.5	18.8	**8002440**	1.07/4
150	580	270	640	200	10	G 1 x 360	36	1.06/HSP3	36	28	6.5	22.0	**1958003**	1.07/4A
150	450	270	530	300	10	G 1 x 360	36	1.06/HSP3	36	28	6.5	21.0	**1305085**	1.07/4-3
150	450	270	530	400	10	G 1 x 360	36	1.06/HSP3	36	28	6.5	22.6	**1305271**	1.07/4-4
150	450	270	530	500	10	G 1 x 360	36	1.06/HSP3	36	28	6.5	25.2	**1305425**	1.07/4-5
150	580	270	640	300	10	G 1 x 360	36	1.06/HSP3	36	28	6.5	24.2	**2302799**	1.07/4A-3
150	580	270	640	400	10	G 1 x 360	36	1.06/HSP3	36	28	6.5	25.8	**2302802**	1.07/4A-4
150	580	270	640	500	10	G 1 x 360	36	1.06/HSP3	36	28	6.5	28.4	**2302810**	1.07/4A-5

1.07/4-B

UNIVERSAL PULLER 2-/3-arm pattern, rigid legs with leg brake

- Just like our standard model no. 1.06, this puller is designed for all branches of industry, but particularly for the construction of electric motors
- It is also suitable for removing heavy, multistage V-belt pulley wheels, flywheels, gear wheels, etc.
- Pins are used to lock the arms at 120 degrees to each other on the hub
- Rigid legs forged from one piece
- Leg brake - prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button
- By reversing the legs, this tool can be used as an internal or external puller
- Upgradeable with hydraulic spindle (see table)
- This puller may also be used with the hydraulic aid 1.50 without requiring any reduction bushing
- On request, this puller is also available with further legs and extendable up to 6 arms

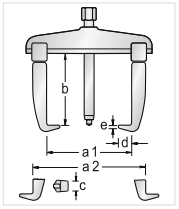


$a_{1\,min}$	$a_{1\,max}$	$a_{2\,min}$	$a_{2\,max}$	b	max. t		mm	optional	c	d	e	kg	Code	No.
150	450	270	530	200	10	G 1" x 360	36	1.06/HSP3	36	28	6.5	18.8	**2546531**	1.07/41-B
150	580	270	640	200	10	G 1" x 360	36	1.06/HSP3	36	28	6.5	22.0	**2546558**	1.07/4A1-B

1.07/4-HSP-B

UNIVERSAL PULLER hydraulic, 2-/3-arm pattern, rigid legs with leg brake

- Just like our standard model no. 1.06, this puller is designed for all branches of industry, but particularly for the construction of electric motors
- It is also suitable for removing heavy, multistage V-belt pulley wheels, flywheels, gear wheels, etc.
- Pins are used to lock the arms at 120 degrees to each other on the hub
- Rigid legs forged from one piece
- Leg brake - prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button
- By reversing the legs, this tool can be used as an internal or external puller
- This puller may also be used with the hydraulic aid 1.50 without requiring any reduction bushing
- On request, this puller is also available with further legs and extendable up to 6 arms
  The pressure piece can be replaced by a tip and lengthened, as required.
  The small pressure spindle is secured with an unscrewing lock to stop any accidental withdrawal.
  Also available with standard spindle - Model 1.07/4-B

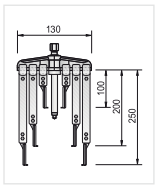


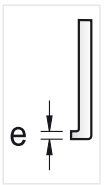
$a_{1\,min}$	$a_{1\,max}$	$a_{2\,min}$	$a_{2\,max}$	b	max. t	max. N·m		c	d	e	kg	Code	No.
150	450	270	530	140	10	25	1.06/HSP3	36	28	6.5	19.9	**2546574**	1.07/41-B-HSP3
150	580	270	640	140	10	25	1.06/HSP3	36	28	6.5	23.1	**2546582**	1.07/4A1-B-HSP3

1.07/AS

PULLER SET with 9 legs

- 3-arm puller, with 9 slim legs in 3 lengths
- Particularly suitable for barely accessible places



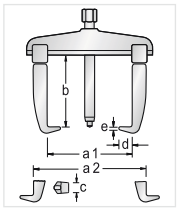


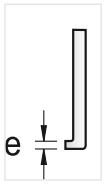
a	b	max. t		mm	optional	c	d	e	f	kg	Code	No.
130	100 / 200 / 250	2.5	M 14x1,5 x 140	17	–	29.5	7.5	3.7	13.5	4.8	**8117260**	1.07/AS
200	150 / 220 / 300	5.0	G 1/2 x 210	22	1.06/HSP1	40.0	7.0	5.0	15.0	11.5	**1675990**	1.07/AS-2

1.07/K

PULLER SET with 9 legs

- In plastic case
- Contents: 1 spindle, 1 cross-beam each 2- and 3-arm pattern and 9 slim pulling legs in 3 lengths
- Second spindle in the set 1.07/K safes working time



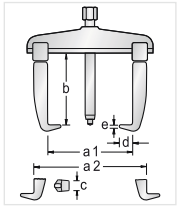


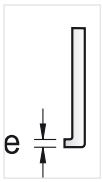
a	b	max. t		mm	optional	c	d	e	kg	Code	No.
130	100 / 200 / 250	2.5	M 14x1,5 x 140	17	–	27	7.5	3.7	5.8	**8117340**	1.07/K
200	150 / 220 / 300	5.0	G 1/2 x 210	22	1.06/HSP1	40	7.0	5.0	13.5	**1676008**	1.07/K-2

1.07/K-SE

PULLER SET with 3 legs

- In plastic case
- Contents: 1 spindle, 1 cross-beam each 2- and 3-arm pattern and 3 quick-release pulling legs
- Second spindle in the set 1.07/K-1-SE safes working time



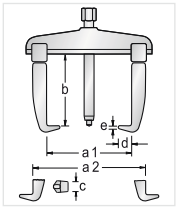


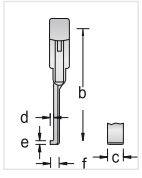
a_1	b	max. t		mm	optional	c	d	e	kg	Code	No.
90	100	2.5	M 14x1,5 x 140	17	–	27	7.5	3.7	2.2	**1438484**	1.07/K-1-SE
160	150	5.0	G 1/2 x 210	22	1.06/HSP1	40	7.0	5.0	5.5	**1645455**	1.07/K-2-SE

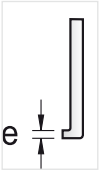
1.07/K-SE S

PULLER SET with 6 legs

- In plastic case
- The forged leg feet are very slim particularly suitable for barely accessible places
- Quick release legs for fast, easy set-up and adjustment
- Contents: 2 spindles, 1 cross-beam each 2- and 3-arm pattern, and 6 slim quick-release pulling legs in 2 lengths
- Clamping reach 100 mm = thickness of hooked foot at tip (e) 3.7 mm, max. 2.5 t
- Clamping reach 200 mm = thickness of hooked foot at tip (e) 2.0 mm, max. 2.0 t







a	b		mm	c	d	kg	Code	No.
90	100 / 200	M 14x1,5 x 140	17	27	7.5	4.2	**1745158**	1.07/K-1-SE 200 S

1100-1.04

64

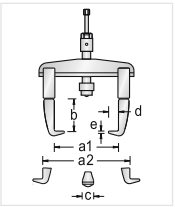
1500 ES-1.07

104

1.07/K-HSP

PULLER SET with 3 legs

- For internal and external use, for hard, everyday use, for industrial use, or on cars and trucks
- In plastic case
- Contents: 1 hydraulic spindle, 1 cross-beam each 2- and 3-arm pattern and 3 quick-release pulling legs
  The pressure piece can be replaced by a tip and lengthened, as required.
  The small pressure spindle is secured with an unscrewing lock to stop any accidental withdrawal.

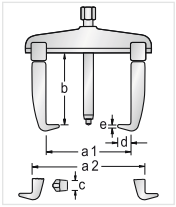


a_1	a_2	b	max. t	max. N·m		mm	c	d	e	kg	Code	No.
160	220	70	5.0	9	1.06/HSP1	32	30	18	3.5	7.2	**1438492**	1.07/K-2-E-HSP1

1.07/K-B

PULLER SET with 3 legs, with leg brake

- In plastic case
- Contents: 2 spindles, 1 cross-beam each 2- and 3-arm pattern and 3 rigid legs with leg brake
- Prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button
- By reversing the legs, this tool can be used as an internal or external puller
- Extra spindle supplied for convenience

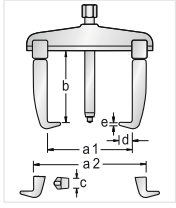


a	b	max. t		mm	c	d	e	kg	Code	No.
140	100	3.0	M 14x1,5 x 140	17	22	15	3.0	2.9	**2224097**	1.07/K-1A-B

1.08

UNIVERSAL PULLER 2-arm pattern, with fast spindle adjustment

- Twice as fast and twice as simple
- With the fast spindle adjustment feature, the spindle can be set the desired range in a moment. When the clamping yoke is released, the 4-part internal thread closes, and takes the full working pressure



a_1	$a_{2\,min}$	$a_{2\,max}$	b	max. t		mm	c	d	e	kg	Code	No.
200	110	260	150	5.0	G 1/2 x 210	22	30	18	3.5	4.1	**8000070**	1.08/2A

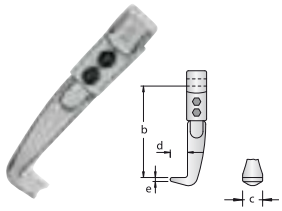
Summary of puller legs

xx = Leg size (A-C)
yy = Leg length (in mm)
zz = Leg type

for 2-arm puller	**1.06/1**	**1.06/1A**
for 3-arm puller	**1.07/1**	**1.07/1A**
Mechanical replacement spindle	**1.1406140**	
Hydraulic replacement spindle		

A

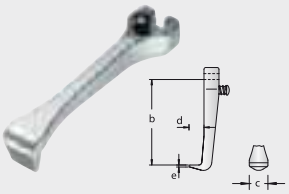
Leg type:



-N = The proven leg

1 leg incl. clamping parts with tried-and-tested screw connection in various lengths

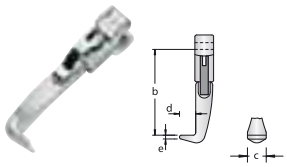
b	c	d	e			Code	No.
100	22	12	3.0	1.06/1 1.06/1A 1.07/1 1.07/1A	0.600	**1120514**	106/A-100-N
200	22	12	3.0	1.06/1 1.06/1A 1.07/1 1.07/1A		**1120522**	106/A-200-N



-B = The sturdy leg

1 leg with leg brake, secured against unintentional slipping, movement of the hook on the cross-beam at the touch of a button, forged from one piece

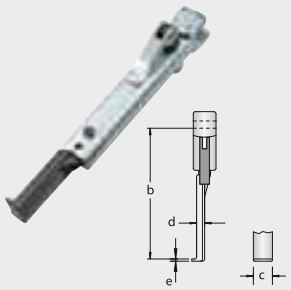
b	c	d	e			Code	No.
100	22	15	3.0	1.04/1A 1.04/HP1A 1.06/1 1.06/1A 1.07/1 1.07/1A	0.240	**1970534**	106/A-100-B



-E = The quick use leg

1 leg incl. clamping parts with quick-release adjustment, for fast and uncomplicated setting and adjustment of the legs on the cross-beam

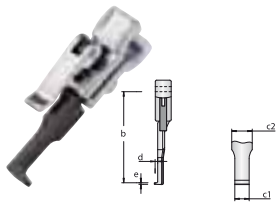
b	c	d	e			Code	No.
100	22	12	3.0	1.06/1 1.06/1A 1.07/1 1.07/1A	0.280	**1178199**	106/A-100-E



-SE = The slender leg

1 slim hook incl. clamping parts with quick-release adjustment, for fast and uncomplicated setting and adjustment of the legs on the cross-beam

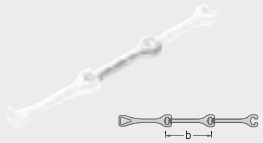
b	c	d	e	f			Code	No.
100	27	7.5	3.7	13.5	1.06/1 1.06/1A 1.07/1 1.07/1A	0.270	**1438514**	106/A-100-SE
200	27	7.5	3.7	13.5	1.06/1 1.06/1A 1.07/1 1.07/1A	0.500	**2015757**	106/A-200-SE
250	27	7.5	3.7	13.5	1.06/1 1.06/1A 1.07/1 1.07/1A	0.620	**2015773**	106/A-250-SE
100	27	7.5	2.0	13.5	1.06/1 1.06/1A 1.07/1 1.07/1A	0.260	**2015781**	106/A-100-SSE
200	27	7.5	2.0	13.5	1.06/1 1.06/1A 1.07/1 1.07/1A	0.500	**2015811**	106/A-200-SSE
250	27	7.5	2.0	13.5	1.06/1 1.06/1A 1.07/1 1.07/1A	1.000	**2015846**	106/A-250-SSE



-XSE = The sophisticated leg

As "The slender one" type but more slender in both width and depth for particularly cramped spaces and those places which can hardly be accessed e.g. in respect of gearbox maintenance

b	c_1	c_2	d	e			Code	No.
100	16.0	25	5.0	3.7	1.06/1 1.06/1A 1.07/1 1.07/1A	0.260	**2018748**	106/A-100-XSE
200	16.0	25	5.0	3.7	1.06/1 1.06/1A 1.07/1 1.07/1A	0.500	**2149222**	106/A-200-XSE
250	16.0	25	5.0	3.7	1.06/1 1.06/1A 1.07/1 1.07/1A	0.620	**2150255**	106/A-250-XSE



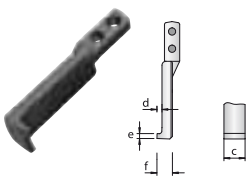
-V = The flexi leg

The extension is inserted between cross-beam and leg and there is no limit on extending the clamping reach, forged from one piece.

b		Code	No.
100	0.350	**1149016**	106/A-100-V

-VB = The flexi leg with leg brake

b		Code	No.
100	0.360	**2329034**	106/A-100-VB



The slim fit leg

1 slim leg for use in confined spaces
* Spare leg for "The slim one"
** Spare leg for "The filigree one"

c	d	e	f			Code	No.
27	7.5	3.7	14.5	1.06/1 1.06/1A 1.07/1 1.07/1A	0.450	**1076957**	106/S101
27	7.5	2.0	14.5	1.06/1 1.06/1A 1.07/1 1.07/1A	0.110	**1495607**	106/S101-S

c_1	c_2	d	e			Code	No.
16.0	25	5.0	3.7	1.06/1 1.06/1A 1.07/1 1.07/1A	0.102	**2013681**	106/XS101

B

1.06/2 **1.06/2A**

1.07/2 **1.07/2A**

1.2106210

1.06/HSP1

b	c	d	e			Code	No.
150	30	18	3.5	1.06/2 1.06/2A 1.07/2 1.07/2A	0.720	**1120530**	106/B-150-N
300	30	18	3.5	1.06/2 1.06/2A 1.07/2 1.07/2A	1.250	**1123947**	106/B-300-N

b	c	d	e			Code	No.
150	30	24	3.5	1.04/2A 1.04/HP2A 1.06/2 1.06/2A 1.07/2 1.07/2A	0.660	**1970542**	106/B-150-B

b	c	d	e			Code	No.
150	22	12	3.0	1.06/2 1.06/2A 1.07/2 1.07/2A	0.300	**1178253**	106/B-150-E

b	c	d	e	f			Code	No.
150	40	7.0	5.0	15.0	1.06/2 1.06/2A 1.07/2 1.07/2A	0.720	**1671499**	106/B-150-SE
220	40	7.0	5.0	15.0	1.06/2 1.06/2A 1.07/2 1.07/2A	0.730	**2015862**	106/B-220-SE
300	40	7.0	5.0	15.0	1.06/2 1.06/2A 1.07/2 1.07/2A	1.280	**2015870**	106/B-300-SE

b	c_1	c_2	d	e			Code	No.
150	17.5	32	5.5	3.5	1.06/2 1.06/2A 1.07/2 1.07/2A	0.640	**2018756**	106/B-150-XSE
220	17.5	32	5.5	3.5	1.06/2 1.06/2A 1.07/2 1.07/2A	0.980	**2149230**	106/B-220-XSE
300	17.5	32	5.5	3.5	1.06/2 1.06/2A 1.07/2 1.07/2A	1.280	**2150263**	106/B-300-XSE

b		Code	No.
150	0.800	**1149024**	106/B-150-V

b		Code	No.
150	0.810	**2329042**	106/B-150-VB

c	d	e	f			Code	No.
40	7.0	5.0	15.5	1.06/2 1.06/2A 1.07/2 1.07/2A	0.360	**1671898**	108/S201

c_1	c_2	d	e			Code	No.
17.5	32	5.5	3.5	1.06/2 1.06/2A 1.07/2 1.07/2A		**2013711**	108/XS201

C

1.06/3 **1.06/3A** **1.06/4**

1.07/3 **1.07/4** **1.07/4A**

1.2606280 **1.3306310**

1.06/HSP2 **1.06/HSP3**

b	c	d	e			Code	No.
200	36	28	6.5	1.06/3 1.06/3A 1.06/4 1.07/3 1.07/4 1.07/4A	1.663	**1120549**	106/C-200-N
300	36	28	6.5	1.06/3 1.06/3A 1.06/4 1.07/3 1.07/4 1.07/4A		**1120557**	106/C-300-N
400	36	28	6.5	1.06/3 1.06/3A 1.06/4 1.07/3 1.07/4 1.07/4A	3.200	**1120565**	106/C-400-N
500	36	28	6.5	1.06/3 1.06/3A 1.06/4 1.07/3 1.07/4 1.07/4A	3.600	**1120573**	106/C-500-N

b	c	d	e			Code	No.
200	36	32	5.0	1.04/3A 1.04/HP3A 1.06/3 1.06/3A 1.06/4 1.07/3 1.07/4 1.07/4A	0.500	**1970550**	106/C-200-B

b	c	d	e			Code	No.
200	36	28	6.5	1.06/3 1.06/3A 1.06/4 1.07/3 1.07/4 1.07/4A	0.350	**1178350**	106/C-200-E

b		Code	No.
200	1.325	**1149032**	106/C-200-V

b		Code	No.
200	1.335	**2329050**	106/C-200-VB

GEDORE spindles ...

... require no maintenance!

... comprise turned hardened and tempered steel. The fine thread is then rolled - this additional strengthening of the steel gives rolled thread a higher strength than a thread produced by cutting.

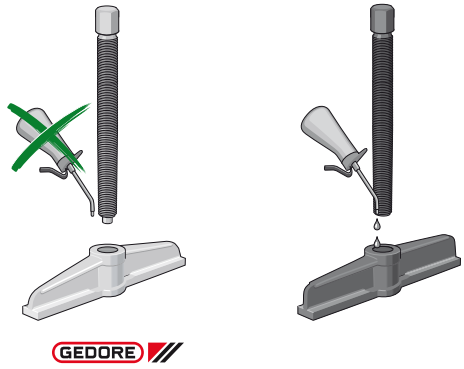
... have a fine thread which stops any unintended slackening from vibrations.

... are thermo-chemically treated. Nitro-carburating makes the spindle extremely wear-resistant and corrosion-proof. Nitro-carburated surfaces have excellent sliding properties.

- **Oiling and greasing is not needed and,** as such, the thread stays clean and smooth much longer. (Resinated, used oil attracts dirt and chips like magic. The thread pitches clog and turning the thread is not easy - in the final resort, this results in ruination of the thread. Not to speak of that irksome task of regularly filling up with oil.)

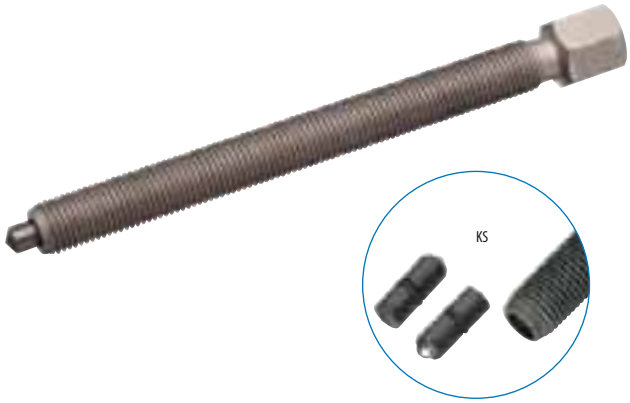
... are fitted out with a replaceable spindle tip which is equally suitable for both centred and non-centred shafts*.

* As standard with extractors Nos. 1.04 and No.1.09



SPINDLE SUMMARY

◤ KS = ball tip, exchangeable



Threads	usable length	Size/Drive	kg	Code	No.
M 10x1,5	160	14	0.100	**1084739**	129.106
M 12x1,5	110	14	0.100	**1084445**	1.1206110
M 12x1,75	195	14	0.170	**1084747**	129.206
M 14x1,5	50	17	0.009	**1084453**	1.1406050
M 14x1,5	125	17	0.170	**1084461**	1.1406125
M 14x1,5	140	17	0.180	**1084488**	1.1406140
M 14x1,5	140	17	0.180	**1546821**	1.1406140KS
M 14x1,5	150	17	0.009	**1084798**	144.15006
M 14x1,5	155	17	0.009	**1084518**	1.1406155
M 14x1,5	200	17	0.220	**1576224**	1.1406200
M 14x2,0	210	17	0.250	**1084755**	129.306
M 18x1,5	80	19	0.185	**1084526**	1.1806080
M 18x1,5	130	19	0.280	**1084542**	1.1806130
M 18x1,5	170	19	0.345	**1084550**	1.1806170
M 18x1,5	200	19	0.009	**1084569**	1.1806200
M 18x2,5	230	19	0.500	**1084763**	129.406
G 1/2"	400	16	1.100	**1076132**	1/2106400
G 1/2"	110	22	0.340	**1084577**	1.2106110
G 1/2"	160	22	0.455	**1084585**	1.2106160
G 1/2"	175	22	0.009	**1084623**	1.2106175
G 1/2"	210	22	0.590	**1084593**	1.2106210
G 1/2"	210	22	0.180	**1546872**	1.2106210KS
G 1/2"	250	22	0.680	**1084631**	1.2106250
G 1/2"	250	22	0.680	**1795112**	1.2106250KS
G 1/2"	350	22	0.009	**1084658**	1.2106350
G 1/2"	350	22	0.010	**1806564**	1.2106350KS
M 20x2,5	235	22	0.500	**1084771**	129.506
G 3/4"	200	27	0.980	**1084666**	1.2606180
G 3/4"	280	27	1.200	**1084674**	1.2606280
G 3/4"	280	27	1.300	**1546910**	1.2606280KS
G 1"	310	36	2.238	**1084690**	1.3306310
G 1"	360	36	2.540	**1084704**	1.3306360
G 1"	500	36	3.600	**1084712**	1.3306500
G 1.1/4"	270	41	3.160	**1084720**	1.4206270

Spindles - Mechanical spindle, hydraulic spindle or hydraulic press?

◤ The GEDORE puller mechanical spindles prov ide plenty of benefits: made of hardened and tempered steel, rolled fine thread and thermo-chemically treated - hence they are especially both wear and corrosion resistant.

◤ Particularly with high forces, using a hydraulic spindle can be both time and effort-saving. The hydraulic spindle principle is both straightforward and ingenious at the same time. The effect of screwing in the clamping bolt is to compress the grease inside the hydraulic piston - the extending piston acts on the part to be extracted with a force many times greater than that manually applied at the top. This controlled operation provides for working safely with the hydraulic spindle and is recommended, in particular, for high levels of force.

◤ The hydraulic press represents an alternative to the hydraulic spindle. It is attached between the mechanical spindle and shaft and through hydraulic force supports the spindle.

◤ As the puller cannot be rotated during extraction, pulling with the assistance of hydraulic aids saves both on time and the effort needed.

GEDORE INDIVIDUAL ... customised for you!

Individual – precise – customised – flexible – right on!

◤ From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.

◤ **WE** develop special tools, customised tools and/or quality forgings **for YOU.**

◤ Your problems are our assignments.

◤ Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

1.06/HSP

HYDRAULIC PRESSURE SPINDLE

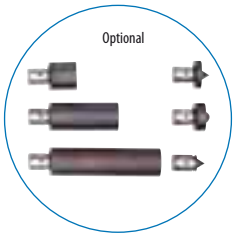
- For controlled and safe pulling work
- Set up for a pressure of 10 t, 12 t or 15 t
  The pressure piece can be replaced by a tip and lengthened, as required.
  The small pressure spindle is secured with an unscrewing lock to stop any accidental withdrawal.

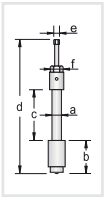
Preparation for use:

- Before using, check whether the pressure spindle is screwed far enough out of the cap, so that the pressure pad is in the initial position in the hydraulic cylinder.
- Unscrew the cap from the spindle body. For this purpose, first slacken off the grub screw.
- Screw the spindle body from beneath into the cross piece of the puller until the body protrudes approx. 60 mm from the cross piece.
- Screw the cap onto the spindle body until the stop, and then fix it in position by turning in the grub screw.

Use and operation: e.g. HSP3

- Place the puller into position and pre-tension the spindle body using a size 41 mm wrench.
- Screw the pressure spindle size 17 mm into the cap. The hydraulic effect will come into use. The stroke of the pressure pad in the hydraulic cylinder is max. 12 mm. The workpiece that has been loosened by the hydraulic force may be pulled off completely by turning the spindle body with the cap size 41 mm.
- Following its use, the pressure spindle (size 17 mm) is turned back into its initial position and the pressure pad pushed into the hydraulic cylinder.





a	max. t	max. N·m	b	c	d	e	f	Stroke	kg	Code	No.
1/2"	10	17	80	135	350	12	32	12	1.1	**8116100**	1.06/HSP1
3/4"	12	19	80	205	420	12	36	12	1.8	**8116290**	1.06/HSP2
1"	15	33	125	165	465	17	41	12	3.3	**8116370**	1.06/HSP3

1.06/HSP-V

EXTENSION FOR HYDRAULIC SPINDLE

usable length	⊢mm⊣	Code	No.
35	60	**2824787**	1.06/HSP-35V
85	110	**2824841**	1.06/HSP-85V
135	160	**2824868**	1.06/HSP-135V

1.06/HSP-D

THRUST-CARRYING MEMBER FOR HYDRAULIC SPINDLE

Execution	Code	No.
with ball	**2824876**	1.06/HSP12-DK
with tip	**2824884**	1.06/HSP12-DS
with tip, short	**2824892**	1.06/HSP12-DSK
with tip	**2824906**	1.06/HSP3-DS

1.55

HYDRAULIC PRESS

- This piece of auxiliary equipment considerably increases the capability of the standard pressure spindle
- Operation: With pressure released, the press is placed between the pressure spindle and the end of the shaft. The pressure spindle is then tightened firmly. Care must be taken that the centreline of the shaft, the hydraulic press, and the pressure spindle are exactly in alignment. Then the hydraulic spindle is screwed inwards.
- **Important note**: Release the hydraulic press after use

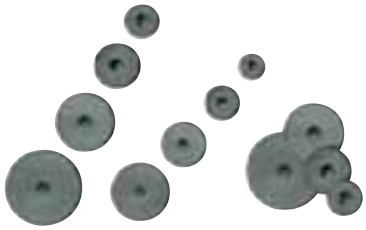
max. t	Stroke height	Installation height	kg	Code	No.
8	10	75	1.0	**8024090**	1.55/1
15	15	90	1.8	**8024170**	1.55/2

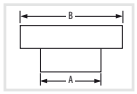
SPINDLE PRESSURE PADS

1.80

SPINDLE PRESSURE PADS for axle bores (hollow shafts)

- For the removal of bearings and gear wheels that are mounted on hollow shafts or in housings
- The spindle pressure pad serves as a counter-axis to the puller, where the spindle now transfers the force to the pressure pad





A Holder Ø	B Plate Ø	kg	Code	No.
19	25	2.3	**1120697**	1.80/1
22	28			
25	32			
28	35			
32	41			
35	44			
38	48			
41	50			
44	54			
48	60			
50	64			
54	67	2.4	**1120700**	1.80/2
57	70			
60	73			
64	78			
70	83			
76	90			
32	41	4.3	**1120719**	1.80/3
35	44			
38	48			
41	50			
44	54			
48	60			
50	64			
54	67			
57	70			
60	73			
64	78			
70	83			
76	90			

BEARING ASSEMBLY

1.85/1

PROFESSIONAL PLASTIC BEARING INSTALLATION SET

- The impact-resistant plastic is handily light, but just as robust as the metal variants
  The impact rings are now secured on the pipe
- Using this bearing installation set more than 200 types of bearings may be re-installed effortlessly and without damage
- In a strong plastic case, dimensions 450 x 360 x 140 mm

Contents	kg	Code	No.
33 impact rings, 10-50 mm for external Ø 26-110 mm **3 aluminium impact sleeves** **1 recoil-free bodywork hammer with nylon heads (1.2 kg)**	5.2	**1120778**	1.85/1

SAFETY COVER

5.10

SAFETY COVER SIZE 1

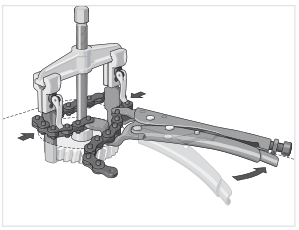
- At pulling forces of 18 t, these PVC safety covers provide maximum active-safety protection from suddenly detaching ball bearings, driving pinions or small parts. The safety covers are extremely flexible, making them suitable for all situations.
- Dimensions 510 x 915 mm
- Double-ply welded = double safety (total thickness at 0.5 mm = 1.0 mm)
- Tear strength: longitudinal 23 N/mm² - lateral 21 N/mm²
- Two straps for variable adjustment
- Press stud fasteners for added safety - no flapping ends
- UV resistant
- Temperature resistant at -25 °C to +50 °C
- Storage in the supplied carry bag guarantees long service life

kg	Code	No.
1.5	**1868195**	5.10

136 K

CHAIN GRIP WRENCH

- Particularly suited for clamping geometrically problematical cross-sections
- With No. 136 K-105 the legs of various pullers - following locking - can be spanned with the chain at the component to be extracted and tightened. This stops the legs bending outwards and slipping. Pulling is still possible even if the legs have a very restricted contact surface



max. Ø	mm	kg	Code	No.
330	1050	1.5	**2307227**	136 K-105

www.gedore.com

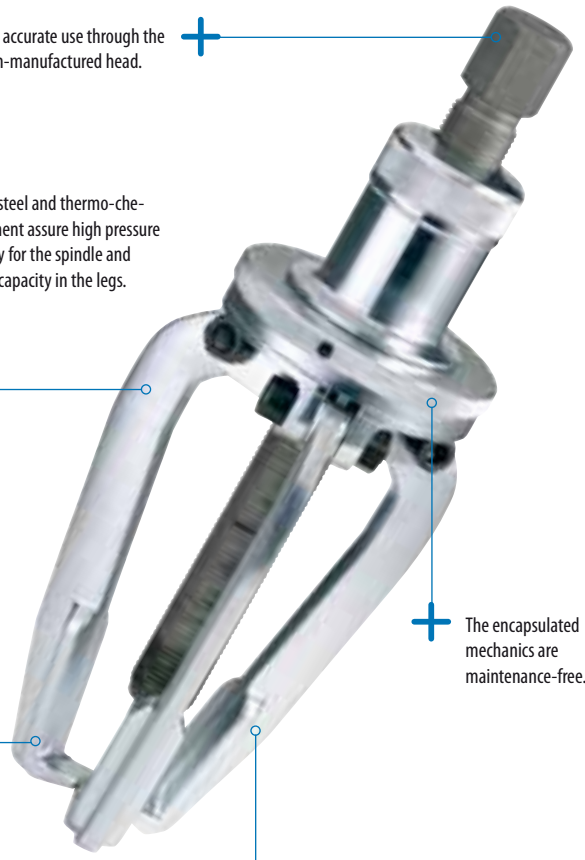
1.09 Puller TWIST & PULL

Easy, quick and safe

WORKING PRINCIPLE

ADVANTAGES:

- No setting-up or readjusting of the legs
- Maintenance-free due to encapsulated mechanics



Fast and accurate use through the precision-manufactured head.

High-grade steel and thermo-chemical treatment assure high pressure load capacity for the spindle and tensile load capacity in the legs.

The encapsulated mechanics are maintenance-free.

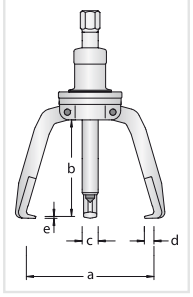
The flexible, interchangeable spindle tip is equipped for different applications.

The legs open by a simple twisting movement and automatically surround the part to be withdrawn - can also be used for vertical applications. No readjustment necessary.

1.09

PULLER TWIST + PULL 3-arm pattern, with rotating adjustment

- The precise manufactured head allows fast and exact use
- The legs open by simple rotation and enclose automatically the part to be removed
- No more time-consuming set-up and readjusting of the legs
- High-quality steel and thermo-chemical treatment guarantee highest toughness of the spindle and the legs
- Ball or tip can easily be exchanged
- Patent applied



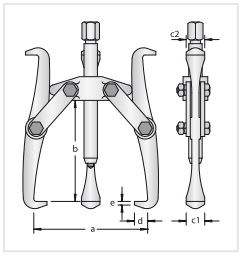
a_{min}	a_{max}	b		mm	c	d	e	max. t	kg	Code	No.
30	150	130	G 1/2 x 250	22	17	12	3.0	6.5	2.5	**1748173**	1.09/1
80	250	250	G 1/2 x 350	22	24	12	3.0	6.5	4.2	**1748181**	1.09/2

2-/3-ARM FAN / BATTERY-TERMINAL PULLERS

1.10

PULLER 2-arm pattern

- The reliable, heavy-duty model for the removal of pulleys, wheels, ball bearings, etc.
- The double leg ends, wide or narrow, grip automatically
- The wide leg ends of the puller 1.10/2, /3, /4 and /5 possess 8 mm slots, so that pulleys or gears may also be pulled off using 8 mm bolts

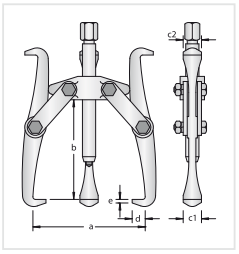


a_{max}	b	max. t		mm	optional	c_1	c_2	d	e	kg	Code	No.
90	80	2.0	M 14x1,5 x 125	17	–	17	10	7	2	0.7	**8002600**	1.10/1
160	130	5.0	M 18x1,5 x 170	19	–	24	20	13	3	2.0	**8002790**	1.10/2
220	170	5.0	M 18x1,5 x 170	19	–	24	20	13	3	2.3	**1731874**	1.10/3
320	260	8.0	G 1/2 x 350	22	1.06/HSP1	27	32	27	3	5.1	**1731882**	1.10/4
400	320	8.0	G 1/2 x 350	22	1.06/HSP1	27	32	27	3	5.8	**1731890**	1.10/5

1.11

PULLER 3-arm pattern

- The reliable, heavy-duty model for the removal of pulleys, wheels, ball bearings, etc.
- The double leg ends, wide or narrow, grip automatically
- The wide leg ends of the puller 1.11/2, /3, /4 and /5 possess 8 mm slots, so that pulleys or gears may also be pulled off using 8 mm bolts

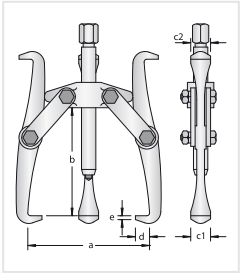


a_{max}	b	max. t		mm	optional	c_1	c_2	d	e	kg	Code	No.
90	80	3.0	M 14x1,5 x 125	17	–	17	10	7	2	0.9	**8002950**	1.11/1
160	130	7.5	M 18x1,5 x 170	19	–	24	20	13	3	2.6	**8003090**	1.11/2
220	170	7.5	M 18x1,5 x 170	19	–	24	20	13	3	3.2	**1731904**	1.11/3
320	260	12.0	G 1/2 x 350	22	1.06/HSP1	27	32	27	3	5.8	**1731912**	1.11/4
400	320	12.0	G 1/2 x 350	22	1.06/HSP1	27	32	27	3	8.0	**1731920**	1.11/5

110

PULLING LEG

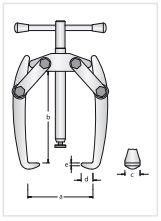
- Double ended with wide or narrow grips
- Complete with clips and screws



	b	c_1	c_2	d	e	kg	Code	No.
1.10/1 + 1.11/1	80	17	10	7	2	0.2	**2303086**	110/1-080
1.10/2 + 1.11/2	130	24	20	13	3	0.6	**2303094**	110/2-130
1.10/3 + 1.11/3	170	24	20	13	3	0.8	**2303108**	110/3-170
1.10/4 + 1.11/4	260	27	32	27	3	1.6	**2303116**	110/4-260
1.10/5 + 1.11/5	320	27	32	27	3	1.8	**2303124**	110/5-320

1.12

BATTERY-TERMINAL PULLER 2-arm pattern

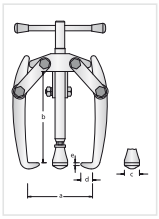


a_{max}	b	max. t		c	d	e	kg	Code	No.
60	40	0.5	M 10x1,5 x 60	10	5	2	0.160	**8003840**	1.12/02
60	60	0.5	M 10x1,5 x 80	10	5	2	0.180	**8003760**	1.12/01
70	80	0.5	M 10x1,5 x 100	14	8	2	0.300	**1628402**	1.12/00

1.13

BATTERY-TERMINAL PULLER 3-arm pattern

- Ideal for removing small parts such as battery terminals, pulleys, wheels, ball bearings, etc.
- The legs grip automatically

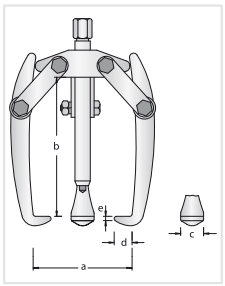


a_{max}	b	max. t		c	d	e	kg	Code	No.
60	40	0.75	M 10x1,5 x 60	10	5	2	0.200	**8004650**	1.13/02
60	60	0.75	M 10x1,5 x 80	10	5	2	0.200	**8004570**	1.13/01
70	80	1.0	M 10x1,5 x 100	14	8	2	0.400	**1628410**	1.13/00

1.12

PULLER 2-arm pattern

- Handy robust model for the removal of pulleys, wheels, ball bearings, etc.
- Inexpensive economy model
- The legs grip automatically

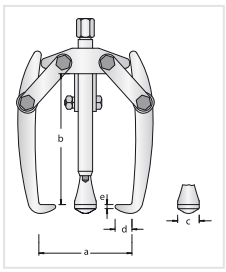


a_{max}	b	max. t		mm	optional	c	d	e	kg	Code	No.
70	80	1.0	M 12x1,5 x 110	14	–	14	8	2	0.4	**8003250**	1.12/0
90	120	2.0	M 14x1,5 x 155	17	–	18	11	2	0.8	**8003330**	1.12/1
130	160	5.0	M 18x1,5 x 200	19	–	25	14	3	1.9	**8003410**	1.12/2
180	200	8.0	G 1/2 x 250	22	1.06/HSP1	32	20	4	3.7	**8003680**	1.12/3

1.13

PULLER 3-arm pattern

- Handy robust model for the removal of pulleys, wheels, ball bearings, etc.
- Inexpensive economy model
- The legs grip automatically



a_{max}	b	max. t		mm	optional	c	d	e	kg	Code	No.
70	80	2.0	M 12x1,5 x 110	14	–	14	8	2	0.5	**8004140**	1.13/0
90	120	3.0	M 14x1,5 x 155	17	–	18	11	2	1.5	**8004220**	1.13/1
130	160	7.5	M 18x1,5 x 200	19	–	25	14	3	2.5	**8004300**	1.13/2
180	200	12.0	G 1/2 x 250	22	1.06/HSP1	32	20	4	5.3	**8004490**	1.13/3

112

PULLING LEG

- Complete with clips and screws

	b	c	d	e	kg	Code	No.
1.12/02 + 1.13/02	40	10	5	2	0.050	**2303132**	112/02-040
1.12/01 + 1.13/01	60	10	5	2	0.050	**2303140**	112/01-060
1.12/00 + 1.13/00	80	14	8	2	0.100	**2303159**	112/00-080

112

PULLING LEG

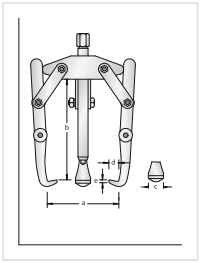
- Complete with clips and screws

	b	c	d	e	kg	Code	No.
1.12/0 + 1.13/0	80	14	8	2	0.095	**2303167**	112/0-080
1.12/1 + 1.13/1	120	18	11	2	0.205	**2303175**	112/1-120
1.12/2 + 1.13/2	160	25	14	3	0.550	**2303183**	112/2-160
1.12/3 + 1.13/3	200	32	20	4	1.070	**2303191**	112/3-200

1.14

PULLER 2-arm pattern

- The reliable, extra-strong model for the removal of pulleys, wheels, ball bearings, etc.
- With technical and economical benefits due to the variable clamping reach and automatic grip of the legs
- Especially suited to removing V-belt pulley wheels and flywheels mounted on longer shafts
- Upgradeable with hydraulic spindle (see table)

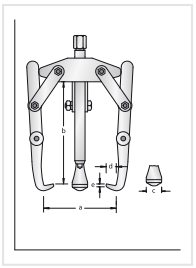


a_{max}	b	max. t		mm	optional	c	d	e	kg	Code	No.
90	100	1.0	M 12x1,5 x 110	14	–	14	9	2.0	0.4	**8004810**	1.14/0
130	140	2.0	M 14x1,5 x 140	17	–	18	11	2.0	0.9	**8005030**	1.14/1
200	210	5.0	M 18x1,5 x 200	19	–	25	16	3.0	2.2	**8005380**	1.14/2
250	260	8.0	G 1/2 x 250	22	1.06/HSP1	32	18	3.5	4.4	**8005460**	1.14/3
280	390	8.0	G 1/2 x 250	22	1.06/HSP1	32	20	3.5	5.1	**8005540**	1.14/4
420	480	8.0	G 1/2 x 350	22	1.06/HSP1	32	20	3.5	6.0	**8005620**	1.14/5

1.15

PULLER 3-arm pattern

- The reliable, extra-strong model for the removal of pulleys, wheels, ball bearings, etc.
- With technical and economical benefits due to the variable clamping reach and automatic grip of the legs
- Especially suited to removing V-belt pulley wheels and flywheels mounted on longer shafts
- Upgradeable with hydraulic spindle (see table)

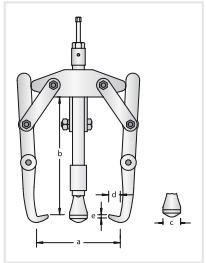


a_{max}	b	max. t		mm	optional	c	d	e	kg	Code	No.
90	100	2.0	M 12x1,5 x 110	14	–	14	9	2.0	0.5	**8006000**	1.15/0
130	140	3.0	M 14x1,5 x 140	17	–	18	11	2.0	1.2	**8006190**	1.15/1
200	210	7.5	M 18x1,5 x 200	19	–	25	16	3.0	3.3	**8006350**	1.15/2
250	260	12.0	G 1/2 x 250	22	1.06/HSP1	32	18	3.5	6.3	**8006430**	1.15/3
280	390	12.0	G 1/2 x 250	22	1.06/HSP1	32	20	3.5	7.7	**8006510**	1.15/4
420	480	12.0	G 1/2 x 350	22	1.06/HSP1	32	20	3.5	8.9	**8006780**	1.15/5

1.15/HSP

PULLER hydraulic, 3-arm pattern

- The reliable, extra-strong model for the removal of pulleys, wheels, ball bearings, etc.
- With technical and economical benefits due to the variable clamping reach and automatic grip of the legs
- Especially suited to removing V-belt pulley wheels and flywheels mounted on longer shafts
- With the hydraulic spindle, a controlled and safe pulling action is possible at all times
  Also available with standard spindle - Model 1.15

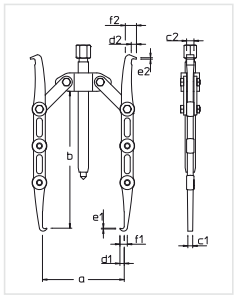


a_{max}	b	max. t	max. N·m		mm	c	d	e	kg	Code	No.
250	180	10	17	1.06/HSP1	32	32	18	3.5	6.6	**1392956**	1.15/3-HSP1
280	310	10	17	1.06/HSP1	32	32	20	3.5	8.1	**1392980**	1.15/4-HSP1

1.14/L

FAN PULLER 2-arm pattern

- Especially slender legs will each adjust to 3 clamping positions
- The double leg ends, wide or narrow, clamp automatically when under tension
- For use on fans with 2-holes up from Ø 10 mm

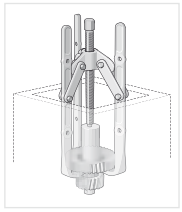


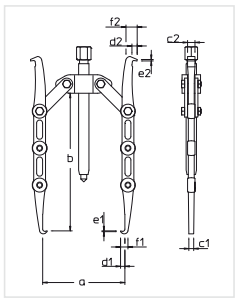
a_{max}	b	max. t		mm	c_1	c_2	d	e_1	e_2	f_1	f_2	kg	Code	No.
150	100-200	1.0	M 14x1,5 x 155	17	6.6	10	6	1	2	10	16.5	0.9	**8005110**	1.14/1L

1.15/L

FAN PULLER 3-arm pattern

- Especially slender legs will each adjust to 3 clamping positions
- The double leg ends, wide or narrow, clamp automatically when under tension
- For use on fans with 3-holes up from Ø 10 mm



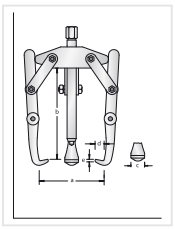


a_{max}	b	max. t		mm	c_1	c_2	d	e_1	e_2	f_1	f_2	kg	Code	No.
150	100-200	1.5	M 14x1,5 x 155	17	6.6	10	6	1	2	10	16.5	1.3	**8006270**	1.15/1L

114

PULLING LEG

- With variable clamping reach
- Complete with clips and screws

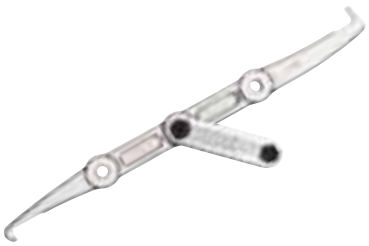


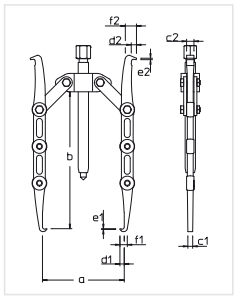
	b	c	d	e	kg	Code	No.
1.14/0 + 1.15/0	100	14	9	2.0	0.100	**2303213**	114/0-100
1.14/1 + 1.15/1	140	18	11	2.0	0.250	**2303221**	114/1-140
1.14/2 + 1.15/2	210	25	16	3.0	0.750	**2303248**	114/2-210
1.14/3 + 1.15/3 **1.15/3-HSP1**	260	32	18	3.5	1.470	**2303256**	114/3-260
1.14/4 + 1.15/4 **1.15/4-HSP1**	390	32	20	3.5	1.750	**2303264**	114/4-390
1.14/5 + 1.15/5	480	32	20	3.5	2.150	**2303272**	114/5-480

114/L

PULLING LEG

- Especially slender leg will adjust to 3 clamping positions
- Complete with 2 clips and 2 screws



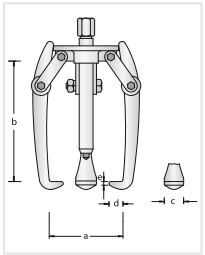


	b	c	d	e	kg	Code	No.
1.14/1L + 1.15/1L	200	10	6	2	0.3	**2303310**	114/1-200-L

1.16

PULLER 2-arm pattern

- Very strong
- Made for industrial applications and for use on heavy agricultural and construction machines
- The legs grip automatically
- Upgradeable with hydraulic spindle (see table)
  Can be extended to 3 arms by additionally buying a large hook no. 116

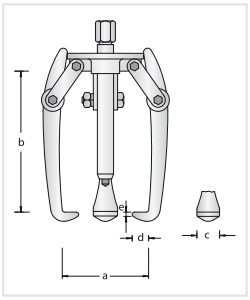


a_{max}	b	max. t		mm	optional	c	d	e	kg	Code	No.
300	300	8.0	G 1 x 360	36	1.06/HSP3	32	19	3.0	8.4	**8007080**	1.16/1
450	420	8.0	G 1 x 500	36	1.06/HSP3	32	22	3.0	10.0	**8007160**	1.16/2

1.17

PULLER 3-arm pattern

- Very strong
- Made for industrial applications and for use on heavy agricultural and construction machines
- The legs grip automatically
- Upgradeable with hydraulic spindle (see table)
- For the assembly of a 2- or 3-arm puller

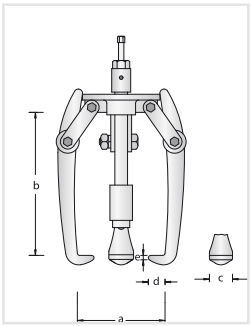


a_{max}	b	max. t		mm	optional	c	d	e	kg	Code	No.
300	300	12.0	G 1 x 360	36	1.06/HSP3	32	19	3.0	10.5	**8007320**	1.17/1
450	420	12.0	G 1 x 500	36	1.06/HSP3	32	22	3.0	12.7	**8007400**	1.17/2

1.17/HSP

PULLER hydraulic, 3-arm pattern

- Very strong
- Made for industrial applications and for use on heavy agricultural and construction machines
- The legs grip automatically
- With the hydraulic spindle, a controlled and safe pulling action is possible at all times
  Also available with standard spindle - Model 1.17

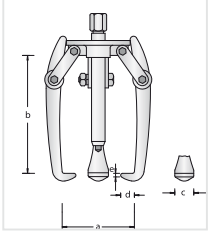


a_{max}	b	max. t	max. N·m		mm	c	d	e	kg	Code	No.
450	295	12.0	29	1.06/HSP3	41	32	22	3.0	12.6	**8014370**	1.17/2-HSP3

116

PULLING LEG

- Very strong
- Complete with clips and screws



	b	c	d	e	kg	Code	No.
1.16/1 + 1.17/1 **1.16/1-HSP3 + 1.17/1-HSP3**	300	32	19	3	1.8	**2303280**	116/1-300
1.16/2 + 1.17/2 **1.16/2-HSP3 + 1.17/2-HSP3**	420	32	22	3	2.2	**2303299**	116/2-420

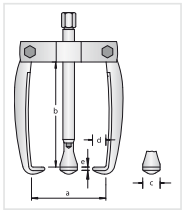
1.35/1A 451

2-/3-ARM EXTERNAL PULLERS

1.18

PULLER 2-arm pattern

- The tried and tested range for economical bearing removal

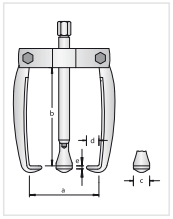


a_{max}	b	max. t		mm	optional	c	d	e	kg	Code	No.
110	110	2.0	M 14x1,5 x 163	17	–	17	18	5.0	1.0	**1464965**	1.18/1
160	140	3.0	M 18x1,5 x 215	19	–	21	20	6.5	2.1	**1464973**	1.18/2
200	200	5.0	G 1/2 x 282	22	1.06/HSP1	22	22	7.5	3.4	**1464981**	1.18/3

1.19

PULLER 3-arm pattern

- The tried and tested range for economical bearing removal

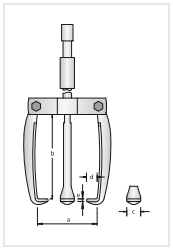


a_{max}	b	max. t		mm	optional	c	d	e	kg	Code	No.
110	110	2.0	M 14x1,5 x 163	17	–	17	18	5.0	1.4	**1465007**	1.19/1
160	140	3.0	M 18x1,5 x 215	19	–	21	20	6.5	2.7	**1465015**	1.19/2
200	200	5.0	G 1/2 x 282	22	1.06/HSP1	22	22	7.5	4.5	**1465023**	1.19/3

1.19/SH

PULLER WITH SLIDING HAMMER

- The tried and tested range for economical bearing removal, spindle not supplied
- Impact weight: 700 g

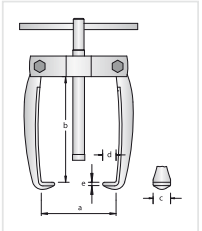


a_{max}	b	max. t	c	d	e	kg	Code	No.
70	70	1.0	12	10	3.0	1.2	**2178001**	1.19/01-SH1A

1.18

FAN PULLER 2-arm pattern

- Removes bearings swiftly and cleanly
  Can also be used with sliding hammer no. 1.35/1A

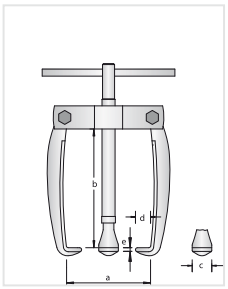


a_{max}	b	max. t		c	d	e	kg	Code	No.
65	50	1.0	M 10 x 115	12	10	3.0	0.230	**1656996**	1.18/02
70	70	1.0	M 10 x 115	12	10	3.0	0.240	**1657089**	1.18/01
80	80	1.0	M 10 x 115	12	10	3.0	0.240	**1656937**	1.18/0

1.19

FAN PULLER 3-arm pattern

- Removes bearings swiftly and cleanly
  Can also be used with sliding hammer no. 1.35/1A

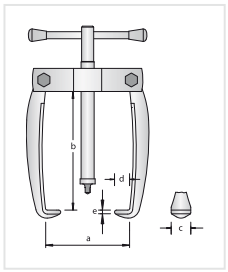


a_{max}	b	max. t		c	d	e	kg	Code	No.
65	50	1.0	M 10 x 115	12	10	3.0	0.280	**1657054**	1.19/02
70	70	1.0	M 10 x 115	12	10	3.0	0.300	**1657046**	1.19/01
80	80	1.0	M 10 x 115	12	10	3.0	0.300	**1657011**	1.19/0

1.18/XS

PULLER with extra slim legs

- Very slim forged legs
- Ideal for use in hard-to-reach places, e.g. work on electric motors

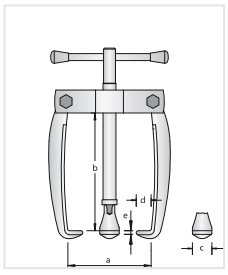


a_{max}	b	max. t		c	d	e	s	kg	Code	No.
50	70	0.5	M 10x1,5 x 100	8	3	2	2,9	0.240	**2018594**	1.18/0XS

1.19/XS

PULLER with extra slim legs

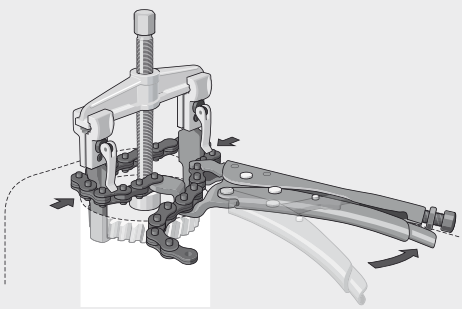
- Very slim forged legs
- Ideal for use in hard-to-reach places, e.g. work on electric motors



a_{max}	b	max. t		c	d	e	s	kg	Code	No.
50	70	0.8	M 10x1,5 x 100	8	3	2	2,9	0.300	**2018608**	1.19/0XS

Clamping yoke

The clamping yokes stop the legs bending outwards under load and thus possibly slipping.
This can also be attained using the new GEDORE 136 K clamping chain - even with a very restricted contact surface of the legs extracting can still be done.

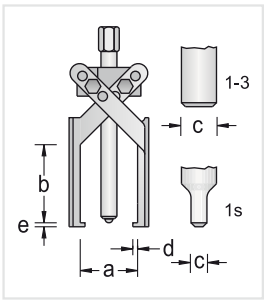


PULLERS WITH CLAMPING YOKE

1.23

PULLER with slim legs

- For removing bearings in confined spaces
- The legs grip automatically
- No. 1.23/S: particularly slim legs

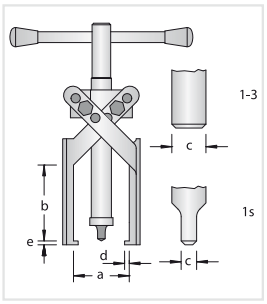


a_{max}	b	max. t		mm	c	d	e	kg	Code	No.
80	85	1.5	M 10 x 105	12	11	4	2.5	0.4	**8084580**	1.23/1S
80	85	2.0	M 10 x 105	12	23	4	2.5	0.4	**8084310**	1.23/1
120	120	3.5	M 14x1,5 x 130	17	31	5	3.5	0.8	**8084660**	1.23/2
120	150	3.5	M 14x1,5 x 205	17	31	5	3.5	1.1	**8084740**	1.23/3

1.23/XS

PULLER with extra slim legs

- Very slim forged legs
- Ideal for use in hard-to-reach places, e.g. work on electric motors
- The legs grip automatically

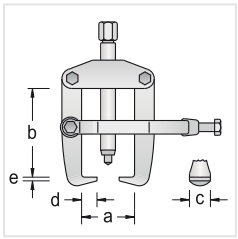


a_{max}	b	max. t		c	d	e	s	kg	Code	No.
80	85	0.7	M 10x1,5 x 100	9	3.5	2	2,9	0.330	**2018578**	1.23/1XS

1.20

PULLER with clamping yoke

- These pullers are mainly employed for removing car and truck steering arms
- The clamping yoke applies firm pressure behind the part to be moved and keeps the puller firmly in the correct position

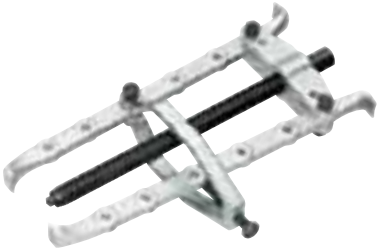


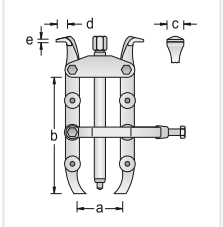
a_{max}	b	max. t		mm	optional	c	d	e	kg	Code	No.
90	85	5.0	M 18x1,5 x 130	19	–	22	12	3.0	1.6	**8008050**	1.20/1
90	100	5.0	M 18x1,5 x 130	19	–	24	15	3.0	1.7	**8008130**	1.20/2
150	140	7.5	G 1/2 x 175	22	1.06/HSP1	30	18	3.5	3.4	**8008210**	1.20/3

1.22

PULLER with clamping yoke

- Double-ended hooks
- Particularly suitable for separating and removing flush-seated parts
- Especially economical as it covers a range of different sizes





a_{max}	b	max. t		mm	optional	c	d	e	kg	Code	No.
110	170	5.0	M 18x1,5 x 200	19	–	25	14	3.5	2.2	**8009020**	1.22/1
160	260	7.5	G 1/2 x 350	22	1.06/HSP1	25	14	3.5	4.4	**8009100**	1.22/2
160	325	7.5	G 1/2 x 350	22	1.06/HSP1	25	14	3.5	4.6	**8009290**	1.22/3

1.50

HYDRAULIC IMPLEMENTS

- Suitable for pressing, straightening, lifting, bending, and pulling
- Consisting of hydraulic hand pump 1.50/1 and hydraulic cylinder 1.51

consisting of:	max. bar	kg	Code	No.
Hydraulic hand pump 1.50/1 Hydraulic cylinder 1.51/10	700	14.0	**8110410**	1.50/10
Hydraulic hand pump 1.50/1 Hydraulic cylinder 1.51/11	700	15.0	**8110680**	1.50/11

1.50/1

HYDRAULIC HAND PUMP

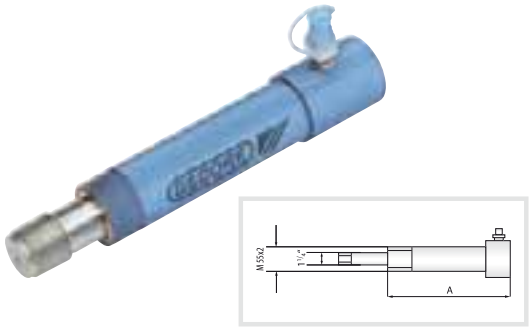
- Complete with 1.50 m high-pressure hose
- To fit hydraulic cylinder 1.51
  Delivery includes non-drip coupler and dust cover
- Up to 700 bar

for hydraulic cylinder	max. bar	kg	Code	No.
1.51/10 1.51/11	700	8.3	**8022710**	1.50/1

1.51

HYDRAULIC CYLINDER

- Connection of the coupling 3/8"
  Incl. fitting and dust cover
  Simple oil filler - can be directly used

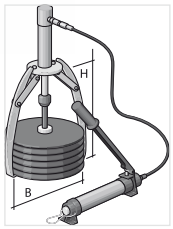


Stroke height	max. t	max. bar	A	kg	Code	No.
150	10	700	275	5.0	**8023440**	1.51/10
230	10	700	355	6.0	**8110760**	1.51/11

1.51/V

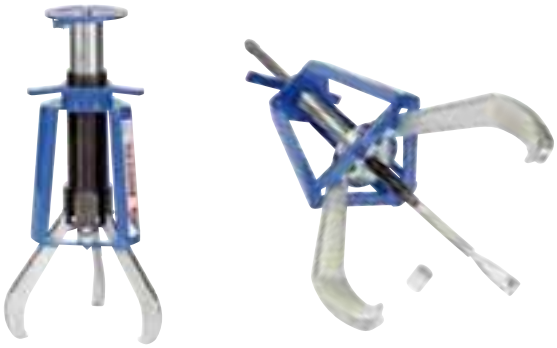
EXTENSION FOR 1.51/10 + 11

- 1.51/V015 are used to protect the cylinder/piston
- The 1.51/V045, 1.51/V125 and 1.51/V205 extensions are attached to the hydraulic cylinder using adapter 1.51/A-2



Description	kg	Code	No.
Extension and cylinder protection, 15 mm	0.4	**2065045**	1.51/V015
Extension for hydraulic cylinder, 45 mm	0.5	**2065053**	1.51/V045
Extension for hydraulic cylinder, 125 mm	0.9	**2065061**	1.51/V125
Extension for hydraulic cylinder, 205 mm	1.3	**2065088**	1.51/V205
Adaptor for 1.51/V045 - V205	0.5	**2065096**	1.51/A-2

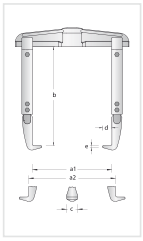
Heavy-duty Pullers 462 – 471



1.06/H

PULLER for hydraulic implement 1.50

- For the fast and damage-free removal of pulleys, wheels, ball bearings, etc.
- Robust pattern, designed for rigidity and heavy duty use
- By reversing the legs, this tool can be used as an internal or external puller
- The reach may be increased both by using pulling legs in special lengths, and by using extensions

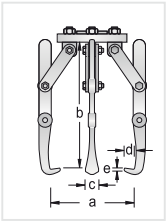


a_1	$a_{2\,min}$	$a_{2\,max}$	b	max. t	c	d	e	kg	Code	No.
520	185	600	200	10.0	36	28	6.5	11.0	**8112620**	1.06/40

1.15/H

PULLER for hydraulic implement 1.50

- Heavy-duty pattern for the removal of gear wheels, spoked wheels, pulleys, etc.
- The legs grip automatically
- The legs can be moved for use as a 2-arm puller
- The adjustable reach means that this puller is very versatile
- For the assembly of a 2- or 3-arm puller

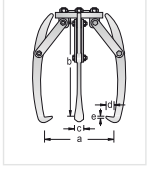


a_{max}	b	max. t	c	d	e	kg	Code	No.
250	260	12.0	32	18	3.5	9.0	**8006860**	1.15/30
280	390	12.0	32	20	3.5	9.2	**8109590**	1.15/40

1.17/H

UNIVERSAL PULLER for hydraulic implement 1.50

- Heavy-duty pattern for the removal of gear wheels, spoked wheels, pulleys, etc
- The legs grip automatically
- For the assembly of a 2- or 3-arm puller



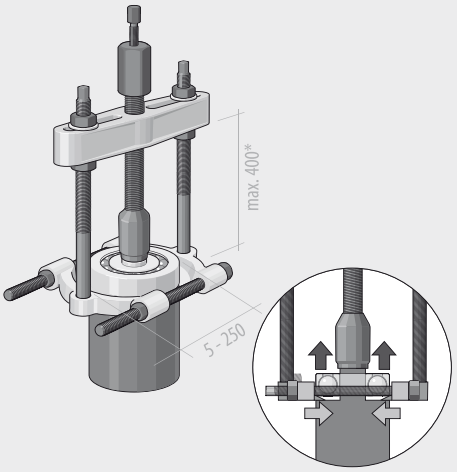
a_{max}	b	max. t	c	d	e	kg	Code	No.
300	300	12.0	36	19	3.5	9.1	**8007590**	1.17/10
425	425	12.0	36	22	3.5	12.4	**8109670**	1.17/20

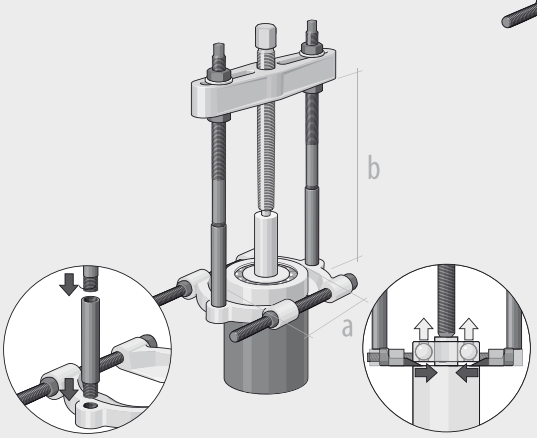
5.10 432

Remember the safety cover!

Separator pullers 1.38 and 1.40

- GEDORE separating blades are particularly suited for removing taper roller and ball bearings, inner bearing races and other tightly-seated or thin-walled parts.
- To remove tightly-seated parts, the sharp edges of the separator blades are pressed behind the part to be removed which is then withdrawn using the correct 1.38 separator puller.
- To avoid damage to delicate parts, the flat surfaces of the separator blades are used. This produces a large contact surface that prevents tilting.
- The clamping reach can be enlarged with the aid of the 1.38/AV - FV tension bolt extensions.

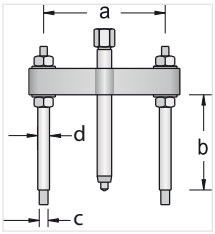




1.38

SEPARATOR PULLER

- These separator pullers are used together with the bearing separators 1.40
- The tension bolts are screwed into the threaded holes in the bearing separators



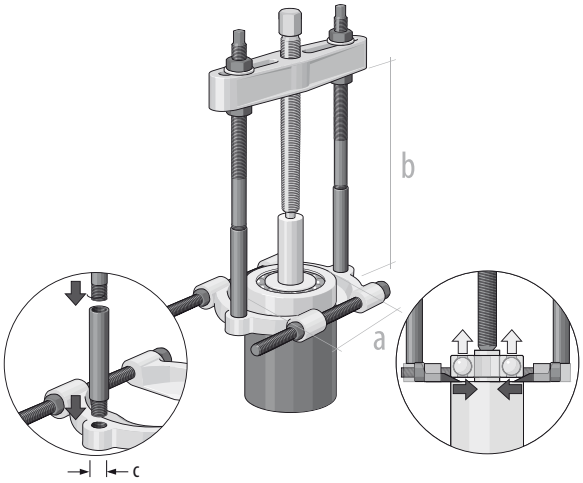
for separator	a	b		mm	optional	c M / d M	kg	Code	No.
1.40/0	40-120	125	M 14 x 120	17	–	M10 / M12x1,5	1.0	**8017550**	1.38/0
1.40/1	60-165	180	M 18 x 170	19	–	M10 / M14x1,5	1.1	**8017630**	1.38/1
1.40/2	70-215	195	G 1/2 x 210	22	1.06/HSP1	M14x1,5 / M16x1,5	3.4	**8017710**	1.38/2
1.40/3	90-300	205	G 3/4 x 280	27	1.06/HSP2	M18x1,5 / M20x1,5	6.5	**8017980**	1.38/3
1.40/4	125-380	275	G 1 x 310	36	1.06/HSP3	M22x1,5 / M24x1,5	11.6	**8018010**	1.38/4
1.40/5	140-440	320	G 1 x 360	36	1.06/HSP3	M24x1,5 / M26x1,5	16.6	**8018280**	1.38/5

920 531

1.38/V

EXTENSION ROD

- Extension rods for separator pullers 1.38

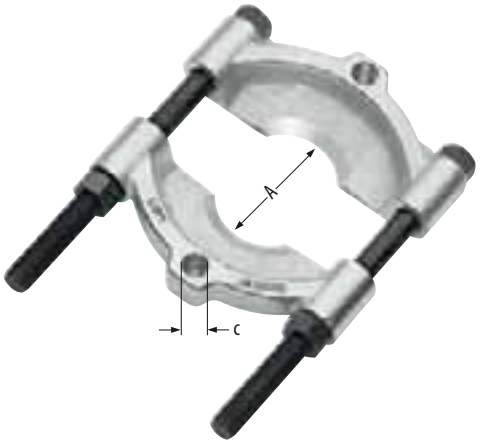


for separator	C	mm	kg	Code	No.
1.38/0 1.38/1	M10	100	0.3	**8018440**	1.38/AV
1.38/2	M14x1,5	100	0.3	**8018520**	1.38/CV
1.38/3	M18x1,5	100	0.6	**8018600**	1.38/DV
1.38/4	M22x1,5	200	2.1	**8018790**	1.38/EV
1.38/5	M24x1,5	200	2.7	**8018870**	1.38/FV

1.40

SEPARATOR

- For removing taper roller and ball bearings, inner bearing races, and other tightly-seated or thin-walled parts
- Operation: To remove tightly-seated parts, the sharp edges of the separator blades are pressed behind the part and it is then withdrawn using the correct puller no. 1.38. To avoid damage to delicate parts, the flat surfaces of the separator blades are used. This produces a large support surface that prevents deformation.

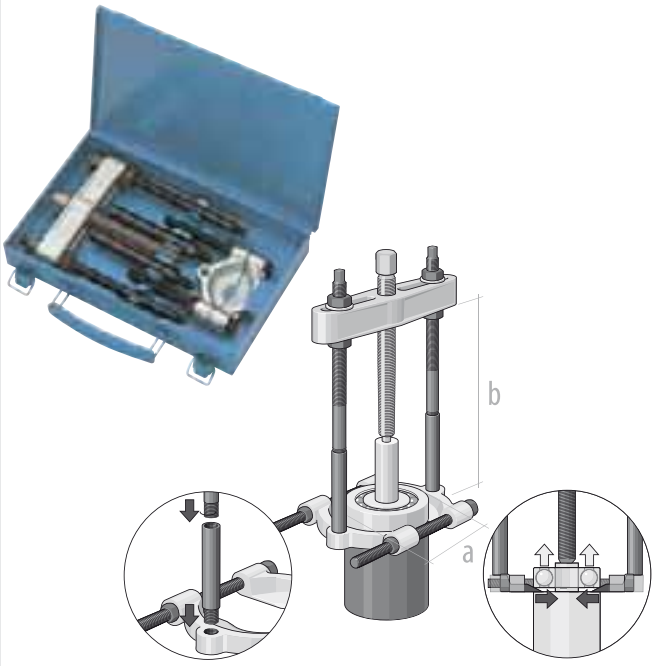


for puller	C	A mm	kg	Code	No.
1.38/0	M10	5-60	0.5	**8019680**	1.40/0
1.38/1	M10	12-75	0.9	**8019760**	1.40/1
1.38/2	M14x1,5	22-115	2.4	**8019840**	1.40/2
1.38/3	M18x1,5	30-155	4.7	**8019920**	1.40/3
1.38/4	M22x1,5	30-200	8.9	**8020180**	1.40/4
1.38/5	M24x1,5	30-250	15.3	**8020260**	1.40/5

1.41

SEPARATOR AND PULLER SET

- Set comprising separator, puller, and extension rods
- In sheet metal case



a	b	Contents	kg	Code	No.
5-60	225	1.38/0 1.38/AV 1.40/0	2.8	**8109750**	1.41/0
12-75	280	1.38/1 1.38/AV 1.40/1	5.2	**8109830**	1.41/1
22-115	295	1.38/2 1.38/CV 1.40/2	9.0	**8109910**	1.41/2
30-155	305	1.38/3 1.38/DV 1.40/3	16.0	**8110090**	1.41/3
30-200	475	1.38/4 1.38/EV 1.40/4	28.6	**8110170**	1.41/4

1.92 Extractor

Better solutions through innovative and precise technology

In view of the different ball bearing constructions dependent on manufacturer, the table presented can only serve as an orientation guide in selecting the legs and heads.

The innovative design with its maximum level of functionality in connection with simple handling provides a PLUS in effectivity and productivity.

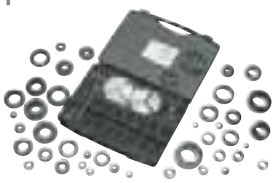
The top plate is easy to use. The legs are fixed in the slot.

The self-locking system guarantees 100% force transmission and the maximum safety during withdrawal

WORKING PRINCIPLE

The solution for ball bearings, which are mounted on a shaft or in a housing, and thus cannot be extracted neither from the inside nor from the outside.

Fields of application

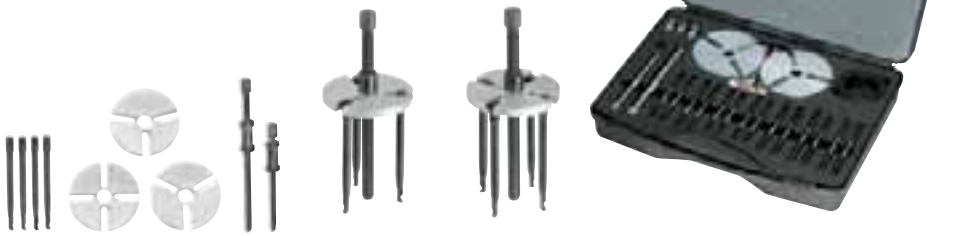


Suitable for more than 40 standard ball bearings up to 6311

1.92

BALL BEARING EXTRACTOR PLUS

- Using the ball bearing extractor, the removal of shaft-mounted ball bearings in a housing is now possible without any problems
- Due to its great degree of functionality combined with the simplified handling, this design makes a PLUS in effectiveness and productivity possible
- This tool is easy to use: The legs are fixed in the slot
- The self-locking arrangement means that the force applied is 100 % utilised
- Secure at all times against slipping off - and a straight pulling force for precise working
- Suitable for more than 40 standard ball bearings up to 6311
- 1.92/1 for bearings: 6000-6010, 6200-6205, 6300-6304
- 1.92/2 for bearings: 6011-6012, 6206-6212, 6305-6311, 6403-6407
- 1.92/12 for bearings: 6000-6012, 6200-6212, 6300-6311, 6403-6407
- * with supporting ring 6309
- ** with supporting ring 6310
- *** with supporting ring 6311



Bearing	Leg	Head size	kg	Code	No.
6000	1.92/10	192/1-7	2.3	**1553534**	1.92/1
6001	1.92/10	192/1-4			
6002	1.92/10	192/1-3			
6003	1.92/10	192/1-4			
6004	1.92/30	192/1-3			
6005	1.92/30	192/1-3			
6006	1.92/30	192/1-3			
6007	1.92/40	192/1-3			
6008	1.92/40	192/1-3			
6009	1.92/40	192/1-3			
6010	1.92/40	192/1-3			
6200	1.92/10	192/1-4			
6201	1.92/20	192/1-7			
6202	1.92/20	192/1-4			
6203	1.92/30	192/1-4			
6204	1.92/40	192/1-4			
6205	1.92/40	192/1-3			
6300	1.92/30	192/1-3			
6301	1.92/40	192/1-3			
6302	1.92/40	192/1-7			
6303	1.92/40	192/1-7			
6304	1.92/40	192/1-7			

Bearing	Leg	Head size	kg	Code	No.
6011	1.92/50	192/2-3	5.2	**1553542**	1.92/2
6012	1.92/50	192/2-3			
6206	1.92/50	192/2-3			
6207	1.92/50	192/2-3			
6208	1.92/60	192/2-3			
6209	1.92/60	192/2-3			
6210	1.92/60	192/2-3			
6211	1.92/60	192/2-3			
6212	1.92/70	192/2-3			
6305	1.92/60	192/2-7			
6306	1.92/60	192/2-4			
6307	1.92/60	192/2-4			
6308	1.92/70	192/2-4			
6309	1.92/70	192/2-4			
6310**	1.92/70	192/2-4			
6311***	1.92/70	192/2-4			
6403	1.92/60	192/2-3			
6404	1.92/70	192/2-3			
6405	1.92/70	192/2-7			
6406	1.92/70	192/2-7			
6407*	1.92/60	192/2-7			
Contents of set 1.92/1 and 1.92/2			7.6	**1553550**	1.92/12

1.92

PARTS

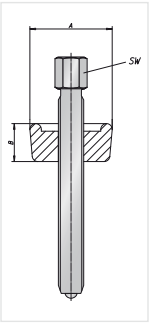
- Pulling legs No. 1.92/10 to 1.92/70 = set of 4 pieces
- For spindle 1.1406200: please also order adaptor 192/A-2

Description	kg	Code	No.
Leg 120 mm	0.170	**1583263**	1.92/10
Leg 125 mm	0.180	**1583271**	1.92/20
Leg 130 mm	0.190	**1583298**	1.92/30
Leg 135 mm	0.200	**1583301**	1.92/40
Leg 140 mm	0.310	**1583328**	1.92/50
Leg 145 mm	0.340	**1583336**	1.92/60
Leg 150 mm	0.470	**1583344**	1.92/70
Head small 3 slots	0.170	**1574485**	192/1-3
Head small 4 slots	0.170	**1574493**	192/1-4
Head small 3/7 slots	0.170	**1574507**	192/1-7
Head big 3 slots	0.830	**1574515**	192/2-3
Head big 4 slots	0.800	**1574523**	192/2-4
Head big 3/7 slots	0.830	**1574531**	192/2-7
Adaptor for head big 1.92/2	0.048	**1574566**	192/A-2
Spindle small for 1.92/1	0.090	**1576208**	1.1006170
Spindle big for 1.92/2	0.220	**1576224**	1.1406200

1.29

BALL BEARING EXTRACTOR

- For removing ball bearings that are both on a shaft and in a housing
- The legs selected using the table are inserted into the ball race, evenly distributed in the outer ring according to the number of balls
- The support rings supplied for the ball bearings to be removed are placed on the bearings' inner races
- The hub with spindle is then placed on the centering depression of the shaft and the spindle put under tension with the legs
- Delivery contains head and spindle. Please order suitable legs separately!



A	B		mm	for hook	kg	Code	No.
28	20	M 10 x 180	14	129/10-15	0.2	**8011000**	1.29/1
35	25	M 12 x 195	14	129/20-30	0.4	**8011190**	1.29/2
40	28	M 14 x 210	17	129/30-35	0.6	**8011270**	1.29/3
50	30	M 18 x 230	19	129/40-45	0.9	**8011350**	1.29/4
65	30	M 20 x 235	22	129/45	1.9	**8011430**	1.29/5

Extracting without drilling open the ball bearing! Therefore no risk of any chippings in machines.

5.10

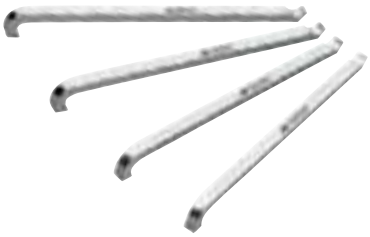
432

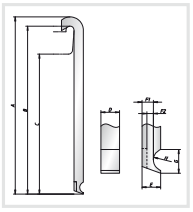
Remember the safety cover!

1.29

PULLING LEGS 4 pieces

- * Used with support rings for pulling bearings





A	B	C	D	E	F1	F2	G	H	for hub	for ball bearing No.	kg	Code	No.
145	141	121	4	4	2,4		9.0	10	1.29/1	6000 6001 6002	0.080	**8011510**	1.29/10
145	140	120	5	5	3,1		10.0	10	1.29/1	6003 6004 6005 6200 6201 6202	0.100	**8011780**	1.29/15
177	171	125	6	6	4,1	3,5	11.3	10	1.29/2	6006 6203	0.200	**8011860**	1.29/20
177	171	145	6	6	3,7		10.3	10	1.29/2	6007 6008 6009 6010 6204 6205 6300 6301 6302	0.200	**8011940**	1.29/25
185	178	153 150	7	7	4,3			12	1.29/2 1.29/3	6303 6304 6206 6011 6012	0.300	**8012080**	1.29/30
187	178	150	8	8	4,6		13.2	12	1.29/3	6207 6208 6305	0.400	**8012160**	1.29/35
235	225	195	9	9	6,4		12.7	12	1.29/4	6209 6210 6306	0.600	**8012240**	1.29/40
236	225	195	10	10	6,1 - 10,3		13.8	12	1.29/4 1.29/5	6211 6212 6308* 6404 6405 6309* 6310* 6311* 6406*	0.800	**8110250**	1.29/45

1.29/K

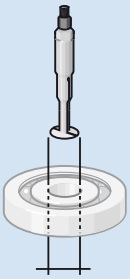
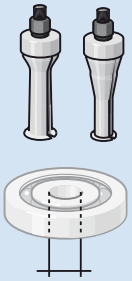
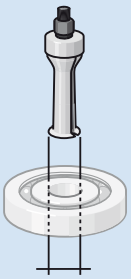
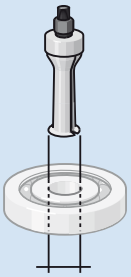
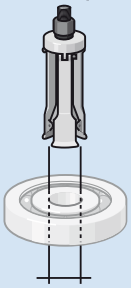
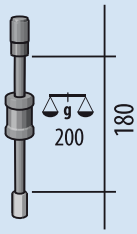
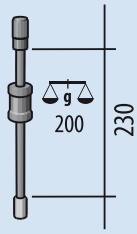
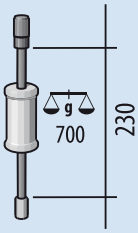
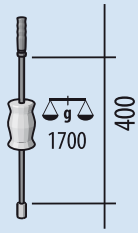
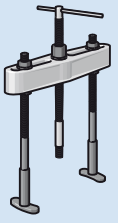
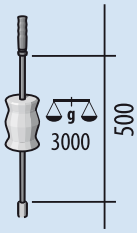
BALL BEARING EXTRACTOR SET

- In sheet metal case, dimensions: 285 x 190 x 75 mm

Contents	kg	Code	No.
3 hubs with spindle, No. 1.29/1 - 1.29/3 **6 sets legs, No. 1.29/10 - 1.29/35** **1 plug-in handle, No. 1.29/0**	5.1	**8110330**	1.29/1K
5 hubs with spindle, No. 1.29/1 - 1.29/5 **8 sets legs, No. 1.29/10 - 1.29/45** **1 plug-in handle, No. 1.29/0 and 4 support rings**	8.7	**8012320**	1.29/3K

Internal extractor overview

with matching counter-stays and sliding hammers

	No. **1.34/1-4**	No. **1.30/0-5** No. **1.30/2N-3N**	No. **1.30/6-7**	No. **1.30/8-9**	No. **1.30/10** No. **1.30/10**N	
	 ø 5-36	 ø 5-35	 ø 35-55	 ø 55-100	 ø 60-160	
No. **1.35/0**  g 200 180	● ●	●				No. **1.36/1**
No. **1.35/1**  g 200 230	●	●	●			No. **1.36/2**
No. **1.35/1A**  g 700 230		●	● ●	●		No. **1.36/3**
No. **1.35/2**  g 1700 400		●	● ●	● ●	●	 No. **1.36/4**
No. **1.35/3**  g 3000 500			●	●	●	

1.34 Internal extractor

In a class of its own due to the precision manufacturing technology

The simple handling method guarantees the fast and uncomplicated withdrawal of ball bearings.

Because of their titanium nitrided coating the surfaces have increased hardness and are provided with better protection.

Force transmission is increased and improved by precise manufacturing accuracy.

The expansion ranges have been increased, thus fewer pullers are necessary for the same overall expansion range.

1.34 Internal extractor

Higher spread range

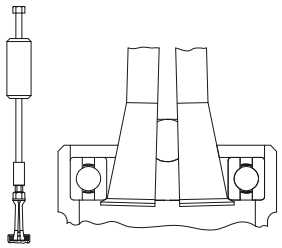
Contents:

- 1.34/10 - 5-piece internal extractor set for closely-fitting ball bearings
- Attractive set arrangement
- Can be used with sliding hammer or counter-support brace

Advantages

Titanium nitrided surface

- Harder
- More wear-resistant
- Better surface protection
- More heat-resistant
- Fine design
- Fast compensation of temperature differences



Features Material

1.34/1 - 1.34/4

INTERNAL EXTRACTOR

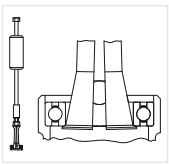
- For use with sliding hammer no. 1.35/0 or counter-support brace no. 1.36/1
- Multiple wrench size (11 + 13 mm)

○ mm	M	kg	Code	No.
5,0-8,5	M10	0.040	**1638556**	1.34/1
8,0-15,0	M10	0.060	**1638564**	1.34/2
15,0-25,0	M10	0.080	**1638572**	1.34/3
25,0-36,0	M10	0.100	**1638580**	1.34/4

1.34/10

INTERNAL EXTRACTOR SET 5 pieces

- For tightly-fitting ball bearings, bearing races, bushings and shaft seals
- Titanium-nitrided surface
- Multiple wrench size (11 + 13 mm)
- M10 connecting thread
- Operation: The internal extractor is inserted into the bearing and the spindle screwed in. The sharp turned-out shoulders of the pulling shell jaws will press outwards behind the part to be extracted. The counter-support brace or the sliding hammer is then added.
- In plastic case

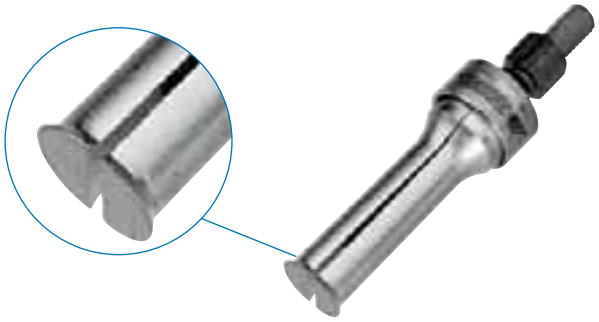


Contents	kg	Code	No.
1 internal extractor 5-8.5 mm, No. 1.34/1 **1 internal extractor 8-15 mm, No. 1.34/2** **1 internal extractor 15-24 mm, No.1.34/3** **1 internal extractor 25-36 mm, No.1.34/4** **1 sliding hammer, No. 1.35/0**	1.3	**1638629**	1.34/10

1.30/0-9

INTERNAL EXTRACTOR

- For extremely-tightly-packed ball bearings, bearing races, bushings, and shaft seals Simmering®
- Operation: The internal extractor is inserted into the bearing and the spindle screwed in. The sharp turned-out shoulders of the pulling shell jaws will press outwards behind the part to be extracted. The counter-support brace is then added. Both feet must be aligned parallel to the spindle to ensure rigidity.
  The design can vary from the image
  Can be used with either sliding hammer or counter-support brace

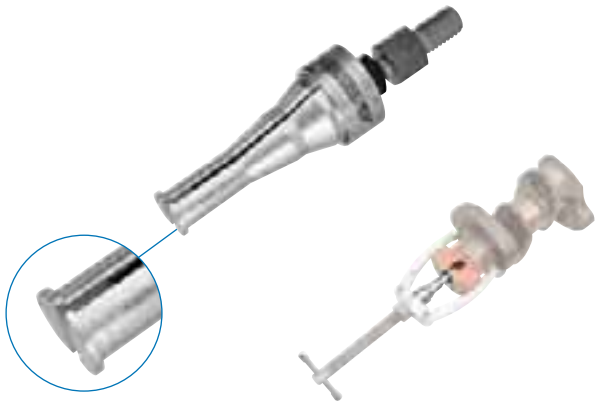


○ mm	M	⬢ mm		Sliding hammer	kg	Code	No.
5-8	M10	10	1.36/1	1.35/1A	0.120	**8012750**	1.30/0
8-12	M10	10	1.36/1	1.35/1A	0.120	**8012830**	1.30/1
12-15	M10	10	1.36/1	1.35/1A	0.130	**8012910**	1.30/2
15-19	M10	13	1.36/1	1.35/1A	0.170	**8013130**	1.30/3
19-25	M10	13	1.36/1	1.35/2	0.200	**8013480**	1.30/4
25-30	M10	13	1.36/1	1.35/2	0.300	**8013560**	1.30/4A
30-35	M10	13	1.36/1	1.35/2	0.400	**8013640**	1.30/5
35-45	M14x1,5	17	1.36/2	1.35/2	0.650	**8013720**	1.30/6
45-55	M14x1,5	17	1.36/2	1.35/3	0.800	**8013800**	1.30/7
55-70	M14x1,5	19	1.36/3	1.35/3	1.800	**8013990**	1.30/8
70-100	M14x1,5	27	1.36/3	1.35/3	3.050	**8014020**	1.30/9

1.30/N

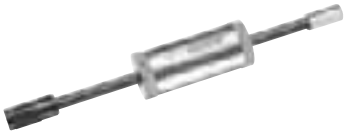
INTERNAL EXTRACTOR with reinforced shoulder

- Especially suitable for the safe and trouble-free extraction of needle roller bearings, ball bearings and brass sleeves from crankshafts
- Note: The soulder of the shell jaw must be applied behind the bearing



○ mm	M	⬢ mm	kg	Code	No.
12-14	M10	10	0.170	**8013050**	1.30/2N
14-19	M10	13	0.170	**8013210**	1.30/3N

1.35 451



1.30/10

INTERNAL EXTRACTOR

- Suitable for removing large ball bearings and bearing outer races
- Operation: The extraction jaws are spread by turning the nut. The newly-developed spreading system enables a simple, step-free and time-saving adjustment to the desired diameter to be made. The sharp-edged sections of the extraction jaws seat flush beneath when spread
  Both internal extractors can be used with sliding hammer 1.35/3. Adapter 135/325-I must also be ordered if sliding hammer 1.35/2 is used.

130/10

○ mm	M			⬢ mm	kg	Code	No.	a	b	c	d	e	h1	h2
60-160	G 1/2"	1.36/4	1.35/3	36	2.312	**8014100**	1.30/10	70	192	33	5	1	213	269
60-160	G 1/2"	1.36/4	1.35/3	36	2.312	**2724804**	1.30/10N	70	187	33	5	6	213	269

130/10

SPARE HOOK FOR 1.30/10

- One spare hook including screws
- Suitable for 1.30/10 and 1.30/10N
- Recommendation: In case of a broken hook, all three hooks should be replaced

130/10-200

130/10-200-N

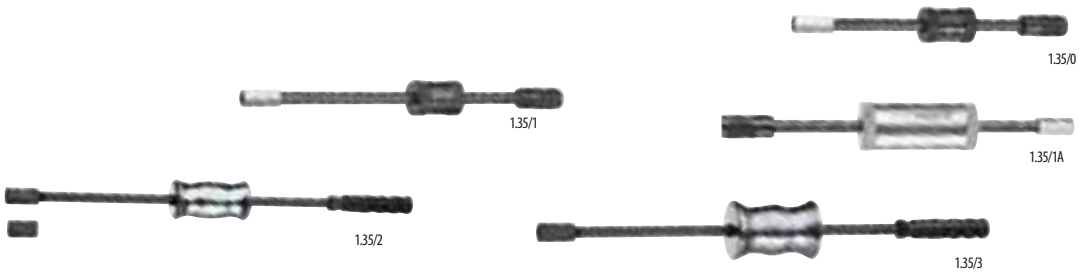
		b	c	d	e	h1	kg	Code	No.
1.30/10	**1.30/10N**	192	33	5	1	213	0.360	**2827565**	130/10-200
1.30/10N	**1.30/10**	187	33	5	6	213	0.360	**2827573**	130/10-200-N

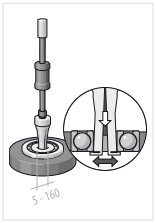
1.36 451

1.35

SLIDING HAMMER

- Suited for the removal of small ball bearings since there is often not enough room for counter-support braces





for internal extractors	M	with adaptor	mm	mm	Impact weight in g	kg	Code	No.
1.34/1 - 1.34/4	M10	-	13	180	200	0.400	**1958062**	1.35/0
1.30/0 - 1.30/5 **1.34/1 - 1.34/4**	M10	-	13	230	200	0.450	**8016070**	1.35/1
1.30/0 - 1.30/7	M10	M 14x1,5	13	230	700	0.950	**1958070**	1.35/1A
1.30/0 - 1.30/9	M 14x1,5	M10	24	400	1700	3.030	**8039010**	1.35/2
1.30/6 - 1.30/10	M 14x1,5	-	24	500	3000	4.200	**1958089**	1.35/3

1.36

COUNTER-SUPPORT BRACE

- Operation: The counter-support brace is placed on the housing and the spindle screwed onto the spindle of the internal extractor. The toggle is held firmly, and the bearing extracted by tightening the nut.

1.36/1-3

1.36/4

for internal extractors	M	mm	kg	Code	No.
1.30/0 - 1.30/5 **1.34/1 - 1.34/4**	M10	27	0.750	**8016580**	1.36/1
1.30/6 - 1.30/7	M14x1,5	32	1.650	**8016660**	1.36/2
1.30/8 - 1.30/9	M14x1,5	32	3.000	**8016740**	1.36/3
1.30/10	G 1/2"	36	7.600	**8016820**	1.36/4

1.37/2

CYLINDER LINER PULLER complete with support brace

- Wet heavy-vehicle (e.g. Mercedes Benz, MAN) cylinder liners, automobile and stationary-engine liners, and other parts may be extracted using this puller
- Operation: The spindle of the counter-support brace is screwed into the clamping nut of the puller, and the puller inserted into the liner. The counter-support brace is placed on to the cylinder block. Due to the newly-developed spreading system, when the spindle is turned, all three jaws spread quickly and without difficulty, until they are firmly seated beneath the edge of the liner. Then the nut of the counter-support brace is tightened.

M	mm	mm	kg	Code	No.
G 1/2"	60-160	36	6.8	**8017200**	1.37/2

1.31

INTERNAL EXTRACTOR SET

- Sets comprise the most used extractor sizes for the removal of ball bearings, bearing races, bushings, shaft seals, etc.
- In handy sheet metal case

1.31/2

1.31/0

Contents	kg	Code	No.
4 internal extractors 12-30 mm, No. 1.30/2 /3 /4 /4A **1 counter-support brace No. 1.36/1**	2.6	**8014530**	1.31/0
6 internal extractors 12-46 mm, No. 1.30/2 - /6 **2 counter-support braces No. 1.36/1 - /2**	6.4	**8014610**	1.31/1
8 internal extractors 12-70 mm, No. 1.30/2 - /8 **2 counter-support braces No. 1.36/1 - /2**	9.2	**8014880**	1.31/2

1.32

SET OF INTERNAL AND EXTERNAL EXTRACTORS

- The handy sheet metal case comprises internal extractors, support braces, pulling chucks, external extractors and stud extractors

1.32/1

1.32/2

Contents	kg	Code	No.
6 internal extractors 12-46 mm No. 1.30/2 - /6 **2 counter-support braces No. 1.36/1 - /2** **1 puller with extra slim legs No. 1.19/0XS** **1 battery-terminal puller No. 1.12/02** **1 puller, 2-arm pattern, No. 1.06/1**	10.4	**8015260**	1.32/1
8 internal extractors 12-70 mm No. 1.30/2 - /8 **2 counter-support braces No. 1.36/1 - /2** **1 puller with extra slim legs No. 1.19/0XS** **1 battery-terminal puller No. 1.12/02** **2 pullers, 2-arm pattern, No. 1.06/1 1.06/2** **1 stud extractor No. 1.28/1**	19.0	**8015340**	1.32/2

www.gedore.com

L-Boxx 64

WHEEL-HUB PULLERS

1.60

WHEEL-HUB PULLER for cars and trucks

- For wheel stud circles up to 225 mm
- Easy to use
- Upgradeable with hydraulic spindle (see table)
- No. 1.60/H = Spare leg

No. of legs		optional	kg	Code	No.
3	G 3/4 x 200	1.06/HSP2	4.3	**8024840**	1.60/3
4	G 3/4 x 200	1.06/HSP2	4.8	**8110840**	1.60/4
5	G 3/4 x 200	1.06/HSP2	5.3	**8024920**	1.60/5

No. of legs	kg	Code	No.
1	0.5	**8110920**	1.60/H

1.61

WHEEL-HUB PULLER for cars and trucks

- For wheel stud circles up to 250 mm
- Easy to use
- Upgradeable with hydraulic spindle (see table)
- No. 1.61/H = Spare leg

No. of legs		optional	kg	Code	No.
3	G 3/4 x 200	1.06/HSP2	4.6	**8111060**	1.61/3
4	G 3/4 x 200	1.06/HSP2	5.2	**8111140**	1.61/4
5	G 3/4 x 200	1.06/HSP2	5.8	**8025300**	1.61/5

No. of legs	kg	Code	No.
1	0.6	**8111220**	1.61/H

1.62

WHEEL-HUB PULLER for trucks

- For wheel stud circles up to 350 mm
- With wheel stud protection using rotating nut apertures that always lie flat to the hub
- This tool may also be used with the hydraulic aid without requiring a reduction bushing
- Upgradeable with hydraulic spindle
- No. 1.61/H = Spare leg

No. of legs		mm	optional	kg	Code	No.
8	G 1 x 310	36	1.06/HSP3	12.6	**8026030**	1.62/8

No. of legs	kg	Code	No.
1	0.6	**8111220**	1.61/H

HSP 419

GEDORE INDIVIDUAL ... customised for you!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU.**
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

Ball joint puller 1.73

Partner to rely on for your vehicle

Body and lever of the 1.73 ball joint puller are drop-forged from 31CrV3 tempering steel and then hardened and tempered. In this way, the two major parts acquire the needed hardness and stability.

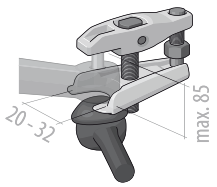
Using the spindle, the ball joint puller is brought up to the required clamping height.

The set bolt applies that force needed to press out the ball joint. To withstand a load like this, the thread is rolled followed by hardening and tempering the spindle.

Safety-relevant

Forces amounting to several tons in weight act on the puller during the extracting operation! Drop-forged components "announce" possible overloading by bending. This is due to the fibre course of the material during forging permitting a certain flexibility of the components ahead of fracturing - an extremely "healthy" property, in fact !

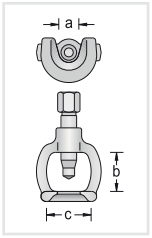
Article 1.73 comes in two sizes which together with their dimensions cover the most common pressure/force situations.
Other dimensions are covered by articles 1.72 and 1.74 - the compact 1.72 can be made use of, for instance, in extremely tights spots.



1.72

BALL JOINT PULLER

- For the simple and damage-free removal of ball pins on track rods and push rods



a	b	c		mm	kg	Code	No.
18	35	40	M 14x1,5 x 50	17	0.300	**8030300**	1.72/1
23	45	50	M 14x1,5 x 50	17	0.400	**8030490**	1.72/2
27	56	60	M 18x1,5 x 80	19	0.700	**8030570**	1.72/3
37	78	75	G 1/2 x 110	22	1.650	**8030650**	1.72/4
40	80	80	G 1/2 x 140	22	2.160	**2183323**	1.72/4A
46	100	90	G 3/4 x 160	27	2.780	**2183331**	1.72/5A

1.74

UNIVERSAL BALL JOINT PULLER

- For removing the ball joint journals on track rods, stabilizers, etc.
- Simple operation due to slender lower part and 2-stage lever position

1.74/1

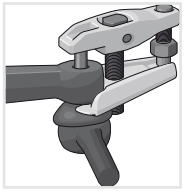
1.74/2

mm	Clamping height	Fork depth	kg	Code	No.
20	12-50	35	1.370	**8085200**	1.74/1
20	50-80	35	1.740	**8085390**	1.74/2

1.73

UNIVERSAL BALL JOINT PULLER

- For removing ball joints on cars and trucks



mm	Clamping height	Fork depth	kg	Code	No.
23	65	24	0.730	**8030810**	1.73/1
32	85	28	2.520	**8033240**	1.73/3

OIL FILTER HOOK

1.75/1

OIL FILTER HOOK 3-arm pattern

3/8"

- For removing firmly seated oil filters
- With 3/8" female square drive and adaptor 17 mm external

mm	kg	Code	No.
60-120	0.650	**8117420**	1.75/1

1.76/1

CARTRIDGE SPANNER 3-arm pattern

12,5 | 1/2"

- For tightening and removing
- Especially suitable for removing firmly seated granulate cartridges of compressed air dryers on HGV, e.g. Mercedes Benz, MAN, etc.
- Great clamping reach (from 95 to 165 mm)
- The GEDORE cartridge spanner is also usable as oil filter key
- Zinc-plated
- Drive 1/2"

mm	□"	□	kg	Code	No.
95-165	1/2	12.5	1.420	**1523651**	1.76/1

1.64

DRIVE SHAFT PULLER

- Suitable for drive shafts with 4 or 5 apertures
- For wheel stud circles 100-155 mm with 6 mm screws
- For tapped holes up to max. M14
- **Operation:** The puller is attached to the drive shaft flange using the nuts of the wheel bolts. By striking the spindle head with the sliding hammer, the shaft may be removed easily and without damage.

Ø	kg	Code	No.
100-155	4.5	**8026700**	1.64/1

1.65

PULLING FLANGE heavy-duty pattern

- For wheels and discs with tapped holes up to M16
- The flange is fitted with slots for hole pitches of 180, 120, and 90 degrees
- Additional holes may be drilled to render the flange suitable for other pitches and aperture diameters
- A very sturdy model for heavy parts and the highest requirements

	kg	Code	No.
G 1.1/4 x 270	16.0	**8027000**	1.65/1

1.66

PULLING FLANGE

- For wheels and discs with tapped holes up to M10
- The flange is fitted with slots for hole pitches of 180 and 120 degrees
- No. 1.66/11 with one pair each of long (135 mm) and short (85 mm) hooks and a protective cap for the thread of the steering column

Clamping reach		mm	kg	Code	No.
35-80	M 12 x 110	14	0.7	**8027510**	1.66/1
35-80	M 12 x 110	14	1.1	**8027780**	1.66/11

1.67

STEERING-WHEEL PULLER for cars

- Contains 1 pair of short legs, 1 pair of long legs, and a protective cap for the thread of the steering column

Clamping reach	Leg length up to		mm	kg	Code	No.
35-90	135	M 14x1,5 x 150	17	0.9	**8028240**	1.67/1

1.68

STEERING-WHEEL PULLER

- Featuring 1 pulling ring each with 100 mm and 150 mm diameter for 3-spoke and 4-spoke steering wheels
- To protect the steering-wheels, the pulling rings are fitted with sliding rubber sleeves

Leg length		mm	kg	Code	No.
120	M 18 x 170	19	2.0	**8028750**	1.68/1

1.70

DISMANTLING AND ASSEMBLY FORK

- For fast removal of track rod and push rod ends, steering arms, and other steering parts
- Also suitable for removing shock absorbers and other separating and dismantling work
- The forks are suitable for use in the most confined spaces
- Hammer blows on the handle ends are used to separate the parts

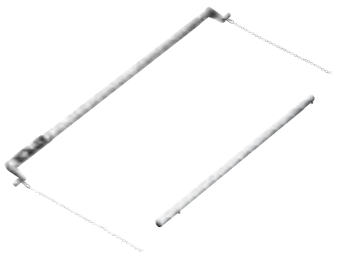
A	B	C	kg	Code	No.
18	340	80	0.8	**8029210**	1.70/1
23	340	80	0.9	**8029480**	1.70/2
29	350	90	1.1	**8029560**	1.70/3
40	350	90	1.2	**8029640**	1.70/4
45	355	95	1.2	**8085040**	1.70/5

TRACK ALIGNMENT GAUGE

3.01

TRACK ALIGNMENT GAUGE

- For inside measurement
- Suitable for all vehicle types
- With simple, telescopic length adjustment
- Immediate track-difference readings may be taken from the millimetre scale
- Extensive measurement range from 835 to 1500 mm, and with extensions up to 2100 mm
- Track difference measurable from 0-35 mm
- Notes on Use: The vehicle to be tested must be standing on level ground. The front wheels must be set for running straight ahead and have the same tyre pressure. The play in the steering linkage must be removed by pressing the front wheels apart. The track alignment gauge must be set roughly at the axle centre-line between the front tyres in such a manner that the two chain ends contact the ground. The scale is set a "0". The car is allowed to roll forward approx. one half turn of the wheel, until the chain ends again contact the ground. The track difference may then be read off on the scale.



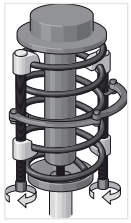
Description	Measurement range mm	kg	Code	No.
Track alignment gauge 835-1500 mm	835-1500	1.900	**8033080**	3.01
Extension for track alignment gauge 1500-2100 mm	1500-2100	0.570	**8033160**	3.01/V

SPRING COMPRESSOR

1.78/S

SAFETY COIL SPRING COMPRESSOR

- For the safe installation and removal of coil springs with a diameter of 110-180 mm
- **Safety note:** When the spindles are tightened evenly, the clamping heads grip the coils tightly, rendering sideways slip impossible
- VPA-GS-tested safety



Clamping reach	kg	Code	No.
240	2.2	**8031380**	1.78/S2
340	2.6	**8031460**	1.78/S3

1.78/P

UNIVERSAL COIL SPRING COMPRESSOR

- For MacPherson suspension strut and transverse link axles with spring diameters of 110-180 mm
- The hooks are drop forged
- The wide support rests are matched to the coil spring pitch
- VPA-GS-tested safety
- PK = with plastic cap

Clamping reach	max. t	kg	Code	No.
240	3.5	2.6	**8111300**	1.78/P1
240	3.5	2.5	**8031030**	1.78/PK1

1.79

SPRING SPREADER

- Especially designed for VAG exhaust installations, where the pipe is not held by bolts to the exhaust manifold, but clamped on using springs

kg	Code	No.
0.4	**8112540**	1.79/1

1.91

TYRE REMOVING TOOL

- For breaking the adhesion between truck tyres and wheel rims

mm	kg	Code	No.
300	2.0	**8032270**	1.91

ACCESSORIES

1.26

NUT SPLITTER

- For splitting jammed or stripped nuts without damaging the bolt thread
- Suitable for nuts up to property class 6
  With chisel stopper

for nuts		mm	kg	Code	No.
10-17 mm, M6-M10	M 14x1,5 x 37	17	0.270	**8009880**	1.26/1
17-24 mm, M10-M16	M 14x1,5 x 37	17	0.300	**8009610**	1.26/2
24-36 mm, M16-M24	M 22x1,5 x 70	24	1.130	**8010030**	1.26/3

Description	kg	Code	No.
Spare chisel for 1.26/1 + /2	0.040	**2017016**	1.26/M1
Spare chisel for 1.26/3	0.050	**2017024**	1.26/M3

1.26/K

NUT SPLITTER SET

- For nuts from size 10 mm (M6) to size 36 mm (M24), including spare chisel
  With chisel stopper
- In plastic case with Check-Tool insert

Contents	kg	Code	No.
1 nut splitter 10-17 mm, M6-M10, No. 1.26/1 **1 nut splitter 17-24 mm, M10-M16, No. 1.26/2** **1 nut splitter 24-36 mm, M16-M24, No. 1.26/3** **1 spare chisel for 1.26/1 + /2, No. 1.26/M1** **1 spare chisel for 1.26/3, No. 1.26/M3**	2.460	**2017008**	1.26/K-3

1.26/HYD

NUT SPLITTER hydraulic

- With strong chisel, additionally induction hardened
- At the cutting edge for breakage resistance
- The chamfer at the chisel's edge improves the splitting effect and prevents breakage
- With smooth chisel function
- Channel walls rolled, thus mirror-smooth and wear resistant
- For nuts up to property class 10
- Chisel replaceable

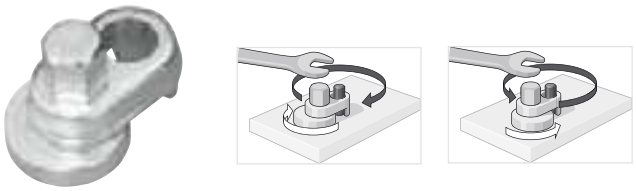
for nuts	mm	max. t	kg	Code	No.
7-22 mm, M4-M14	12	5.0	0.800	**8009450**	1.26/1 HYD
22-36 mm, M14-M24	12	13.0	3.400	**8009530**	1.26/2 HYD

Description	kg	Code	No.
Spare chisel for 1.26/1 HYD	0.020	**2018586**	1.26/M1 HYD
Spare chisel for 1.26/2 HYD	0.112	**2043920**	1.26/M2 HYD

1.28

STUD EXTRACTOR

- For removing damaged studs with right-handed or left-handed thread
- Even suitable for extremely short stud ends



Ø-Stud	mm	kg	Code	No.
6-13	19	0.230	**8010620**	1.28/1
8-19	19	0.300	**8010700**	1.28/2
19-25	19	0.400	**8010890**	1.28/3

1.28/4

STUD EXTRACTOR

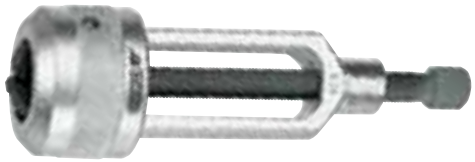
- For removing damaged studs with right-handed or left-handed thread
- Even suitable for extremely short stud ends

Ø-Stud	mm	kg	Code	No.
5-26	19	0.600	**1465031**	1.28/4

1.44

PULLING CHUCK

- For removing the inner races of dynamos, magnetos, motors, and other machine parts
- Simple operation by tightening the cap nut

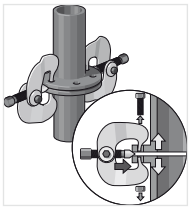


Clamping reach	Clamping depth	kg	Code	No.
5-32	125	1.4	**8022040**	1.44/1

1.90

FLANGE SEPARATORS (pair)

- For separating DIN standard flanges on pipes when changing seals and doing maintenance work
- For Ø 80-250 mm and screw threads M16-M24
- Use: Always use the separators in pairs and attach them to opposite sides of the flange. When the two spindles are turned alternately, the flanges will be separated from one another evenly. When the spindles are turned back alternately, this guarantees a perfect fitting of the flanges in their original position. Always use in pairs! Press in opposite directions at 180°!

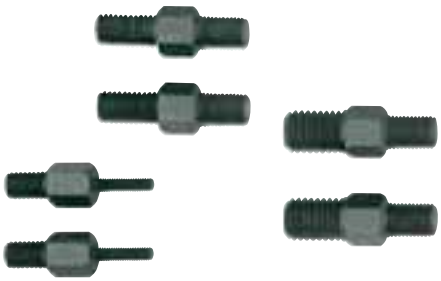


Ø	for screw threads	kg	Code	No.
80-250	M16 - M24	5.5	**1596403**	1.90/1

1.81/1 + 2

SET OF THREADED INSERTS for 1-hole uses

- The threaded inserts make the removal of threaded caps, for example, possible, when these possess one threaded hole
- No. 1.81/1: For sliding hammers 1.35/1, 1.35/2, counter-support brace 1.36/1
- No. 1.81/2: For sliding hammers 1.35/2, 1.36/2, counter-support brace 1.36/3

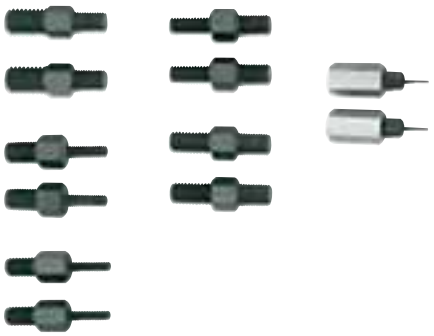


Connecting thread M	kg	Code	No.
M10 - M4	0.340	**1120727**	1.81/1
M10 - M5			
M10 - M6			
M10 - M8			
M10 - M10			
M10 - M12			
M14x1,5 - M8	0.490	**1120743**	1.81/2
M14x1,5 - M10			
M14x1,5 - M12			
M14x1,5 - M14			
M14x1,5 - M16			
M14x1,5 - M18			

1.81/10 + 20

SET OF THREADED INSERTS for 1-hole and 2-hole uses, 2 each

- The threaded inserts make the removal of threaded caps, for example, possible, when these possess one or two threaded holes
- No. 1.81/10: For separator puller 1.38/0, 1.38/1
- No. 1.81/20: For separator puller 1.38/2

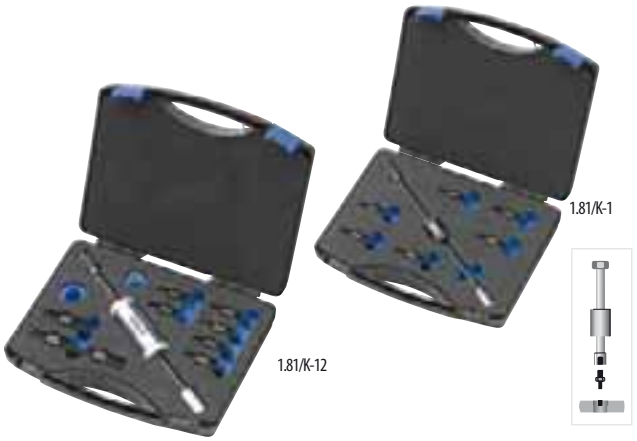


Connecting thread M	kg	Code	No.
M10 - M4	0.670	**1120735**	1.81/10
M10 - M5			
M10 - M6			
M10 - M8			
M10 - M10			
M10 - M12			
M14x1,5 - M8	1.222	**1120751**	1.81/20
M14x1,5 - M10			
M14x1,5 - M12			
M14x1,5 - M14			
M14x1,5 - M16			
M14x1,5 - M18			

1.81/K

SET OF THREADED INSERTS for 1-hole uses

- The threaded inserts make the removal of threaded caps, for example, possible, when these possess one threaded hole
- No. 1.81/K-1: With sliding hammer 1.35/1, rod 230 mm and impact weight 200 g
- No. 1.81/K-12: With sliding hammer 1.35/1A, rod 230 mm and impact weight 700 g, adaptor M14x1,5
- In robust plastic case, 275 x 229 x 83 mm



Connecting thread M	kg	Code	No.
M10 - M4	1.000	**1936549**	1.81/K-1
M10 - M5			
M10 - M6			
M10 - M8			
M10 - M10			
M10 - M12			
M10 - M4	1.830	**1936557**	1.81/K-12
M10 - M5			
M10 - M6			
M10 - M8			
M10 - M10			
M10 - M12			
M14x1,5 - M14			
M14x1,5 - M16			
M14x1,5 - M18			

Manufacturing process of a 2-arm 1.06 puller

In line with the requirement, we hot-form the ideal steel for each puller sub-assembly.

Cross-beam

1. Blank... from hard and tempered steel cut from the bar.

2. "Pre-upsetting"... Mighty hammer blows drop-forge the cut-to-length forging into the hot "pre-form".

3. Rough-forging... Powerful drop-hammer blows contour the cross-beam in the first die-sinking.

4.Final forging... The cross-beam obtains its ultimate shape in the second die-sinking.

5. De-burring... Excess burr is removed under an eccentric press.

6. Forged blank... Ready for further processing and finishing.

7. Calibrating... The width of the leg guide is calibrated and sand-blasted. Important for the following operations.

8. Grinding... Grinding the cross-beam on all sides.

9. Milling the leg guide... The height of the leg guide is milled to size.

10. Drilling... Tapped hole is drilled.

11. Cutting... The thread for the spindle is cut.

12. Zinc-plating... Electro-galvanized for corrosion protection.

13. Stamping... Manufacturer and Item No. are stamped on in a permanent fashion.

14. Lasering... The check-tool marking is lasered.

Clamping parts

1. Blank .. made of hard and tempered steel and cut to size from the bar.

2. Upsetting... Mighty hammer blows drop-forge the cut-to-length forging into the hot "pre-form".

3. Rough-forging... Powerful drop-hammer blows contour the clamping parts in the first die-sinking.

4. Final forging... The clamping parts obtain their ultimate shape in the second die-sinking.

5. Hot de-burring... Still hot excess burr is removed under an eccentric press.

6. Forged blank... Ready for further processing and finishing.

7. Calibrating... The clamping part is calibrated and sand-blasted.

8. Perforating... The two holes for connection with the leg are cold-holed.

9. Zinc-plating... Electro-galvanizing protects the clamping part from corrosion.

10. Mounting... A pin and a screw and/or the quick-release clamp are for connecting two clamping parts to the leg.

Legs

1. Blank .. made of 31CrV3 and cut to size from the bar.

2. Forging... hot, drop-forged.

3. De-burring... Excess burr is removed under an eccentric press.

4. Calibrating... The leg is calibrated and sand-blasted.

5. Drilling... The holes for the clamps are drilled.

6. Milling... Milling provides the leg base with its optimum form.

7. Tempering... A special thermal treatment involving inert gas gives the leg its extreme hardness and toughness. Hardening ensures the required hardness and the annealing which follows imparts that toughness to the legs. Hardening and annealing together are referred to as tempering.

8. Sand-blasting... Sand-blasting is made use of to clean the surface before processing continues.

9. Zinc-plating... Electro-galvanizing protects the leg from corrosion.

10. Pressing-in... The connecting pin for the two clamping parts is pressed in.

Spindle

1. Blank ... from hard and tempered steel cut from the bar.

2. Turning + drilling... Turn the spindle to measure and the drill hole for the spindle tip is inserted.

3. Rolling... The fine thread is rolled.

4. Nitro-carburating... Edge-layer hardening of the thread. The spindle is toughened at the edge and thus resistant to wear. The core remains "soft" and flexible and resiliently absorbs any stresses arising.

5. Riveting... Either the firm spindle tip is permanently riveted or the replaceable spindle tip inserted.

1.18/1.19

PULLER SET

- This perforated panel offers place for 12 pullers of the series 1.18 and 1.19

Contents	kg	Code	No.
2-arm Puller **1.18/1 1.18/2 1.18/3** **3-arm Puller** **1.19/1 1.19/2 1.19/3** **2-arm-Fan puller** **1.18/0 1.18/01 1.18/02** **3-arm Fan puller** **1.19/0 1.19/01 1.19/02**	21.0	**1824007**	1.18/1.19

2.20

TRUCK WORKSHOP SET Add-on system

- Clearly arranged module system
- Everything at hand on perforated wall-board

Contents	kg	Code	No.
1 cross-beam, 2-arm pattern 260 mm, No. 106/2A03 **1 cross-beam, 3-arm pattern 260 mm, No. 107/2A03** **1 spindle 22 mm, G 1/2", 210 mm, No. 1.2106210** **1 hydraulic pressure spindle 10 t, No. 1.06/HSP1** **3 pulling legs 150 mm, No. 106/B-150-N** **3 pulling legs slim pattern 220 mm, No. 106/B-220-S** **3 pulling legs slim pattern 220 mm, No. 106/B-220-S** **1 bearing separator 22-115 mm, No. 1.40/2**	23.3	**1088718**	2.20

2.10

AUTOMOBILE WORKSHOP SET Add-on system

- Clearly arranged module system
- Everything at hand on perforated wall-board

Contents	kg	Code	No.
1 cross-beam, 2-arm pattern 140 mm, No. 106/103 **1 cross-beam, 3-arm pattern 140 mm, No. 107/103** **1 spindle 17 mm, M14x1.5, 140 mm, No. 1.1406140** **3 pulling legs 100 mm, No. 106/A-100-N** **3 pulling legs slim pattern 100 mm, No. 106/A-100-S** **1 battery-terminal puller, 2-arm pattern 60x40 mm, No. 1.12/02** **1 nut splitter 17-24 mm, M10-M16, No. 1.26/2** **1 stud extractor 8-19 mm, No. 1.28/2** **1 dismantling and assembly fork 23 mm, No. 1.70/2** **1 universal ball joint puller 65x23 mm, No. 1.73/1** **1 oil filter hook 3-arm pattern 60-120 mm, No. 1.75/1**	13.3	**1088696**	2.10

2.30

INDUSTRIAL PULLING SET Add-on system

- For the assembly of the tried and tested 1.06 and 1.07 versions
- Using this set, you will be able to assemble more than 12 of the usual versions with high-speed clamping legs, including hydraulic spindle, in seconds

Contents	kg	Code	No.
1 cross-beam, 2-arm pattern 140 mm, No. 106/103 **1 cross-beam, 2-arm pattern 180 mm, No. 106/1A03** **1 cross-beam, 2-arm pattern 220 mm, No. 106/203** **1 cross-beam, 2-arm pattern 260 mm, No. 106/2A03** **1 cross-beam, 3-arm pattern 140 mm, No. 107/103** **1 cross-beam, 3-arm pattern 180 mm, No. 107/1A03** **1 cross-beam, 3-arm pattern 220 mm, No. 107/203** **1 cross-beam, 3-arm pattern 260 mm, No. 107/2A03** **1 spindle 17 mm, M14x1.5, 140 mm, No. 1.1406140** **1 spindle 22 mm, G 1/2", 210 mm, No. 1.2106210** **1 hydraulic pressure spindle 10 t, No. 1.06/HSP1** **3 quick-release pulling legs 100 mm, No. 106/A-100-E** **3 quick-release pulling legs 150 mm, No. 106/B-150-E**	19.4	**1393014**	2.30

2.30-B

INDUSTRIAL PULLING SET WITH LEG BRAKE Add-on system

- For the assembly of the tried and tested 1.06 and 1.07 versions
- Using this set, you will be able to assemble more than 12 of the usual versions with high-speed clamping legs, including hydraulic spindle, in seconds
- 2-arm cross-beams with scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Leg brake prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button

Contents	kg	Code	No.
1 cross-beam, 2-arm pattern 140 mm, No. 106/103 **1 cross-beam, 2-arm pattern 180 mm, No. 106/1A03** **1 cross-beam, 2-arm pattern 220 mm, No. 106/203** **1 cross-beam, 2-arm pattern 260 mm, No. 106/2A03** **1 cross-beam, 3-arm pattern 140 mm, No. 107/103** **1 cross-beam, 3-arm pattern 180 mm, No. 107/1A03** **1 cross-beam, 3-arm pattern 220 mm, No. 107/203** **1 cross-beam, 3-arm pattern 260 mm, No. 107/2A03** **1 spindle 17 mm, M14x1.5, 140 mm, No. 1.1406140** **1 spindle 22 mm, G 1/2", 210 mm, No. 1.2106210** **1 hydraulic pressure spindle 10 t, No. 1.06/HSP1** **3 pulling legs, all steel, leg brake 100 mm, No. 106/A-100-B** **3 pulling legs, all steel, leg brake 150 mm, No. 106/B-150-B**	19.4	**2017032**	2.30-B

2.40

PULLING SET FOR CONSTRUCTION MACHINES Add-on system

- For the assembly of the robust and handy strap-pattern pulling tools 1.14 and 1.15
- With this set, you will be able to assemble 10 of the usual flexible strap-pattern pulling tools from the range 1.14/1.15, including the new hydraulic spindle

Contents	kg	Code	No.
1 head 2-arm pattern No. 114/204 **1 head 2-arm pattern No. 114/304** **1 head 3-arm pattern No. 115/204** **1 head 3-arm pattern No. 115/304** **1 spindle 19 mm, M18x1.5, 200 mm, No. 1.1806200** **1 spindle 22 mm, G 1/2", 250 mm, No. 1.2106250** **1 hydraulic pressure spindle 10 t, No. 1.06/HSP1** **3 pulling legs 210 mm, No. 114/201** **3 pulling legs 260 mm, No. 114/301** **3 pulling legs 390 mm, No. 114/401** **6 straps No. 114/208** **12 straps No. 114/308**	24.3	**1393030**	2.40

2.50

SET OF INTERNAL AND EXTERNAL EXTRACTORS

- Suitable for various applications of external or internal extraction
- Internal extractors for bores with Ø 5 - 55 mm. To use in connection with sliding hammer or counter-support braces
- External extractors with various clamping depths up to 130 mm
- Separators and pullers incl. extension rods, ideal for removing tightly-seated or thin-walled parts for outer diameter 5 - 115 mm

Contents	kg	Code	No.
1 internal extractor 5-8 mm, No. 1.30/0 **1 internal extractor 8-12 mm, No. 1.30/1** **1 internal extractor 12-15 mm, No. 1.30/2** **1 internal extractor 15-19 mm, No. 1.30/3** **1 internal extractor 19-25 mm, No. 1.30/4** **1 internal extractor 25-30 mm, No. 1.30/4A** **1 internal extractor 30-35 mm, No. 1.30/5** **1 internal extractor 35-45 mm, No. 1.30/6** **1 internal extractor 45-55 mm, No. 1.30/7** **1 sliding hammer 230 mm, 700 g, No. 1.35/1A** **1 sliding hammer 500 mm, 1,7 kg, No. 1.35/2** **1 counter-support brace for 1.30/0 - 1.30/5, No. 1.36/1** **1 counter-support brace for 1.30/6 - 1.30/7, No. 1.36/2** **1 universal puller HIGH POWER 2-arm pattern 130x100 mm, No. 1.04/HP1A** **1 battery-terminal puller, 3-arm pattern 70x80 mm, No. 1.13/00** **1 puller 80x85 mm, No. 1.23/1S** **1 separator puller 40-120 mm, No. 1.38/0** **1 separator puller 70-215 mm, No. 1.38/2** **1 extension rod M10, No. 1.38/AV** **1 extension rod M14x1.5, No. 1.38/CV** **1 bearing separator 5-60 mm, No. 1.40/0** **1 bearing separator 22-115 mm, No. 1.40/2**	29.0	**2017040**	2.50

Individual wall-boards available on request!

GEDORE INDIVIDUAL ... customised for you!

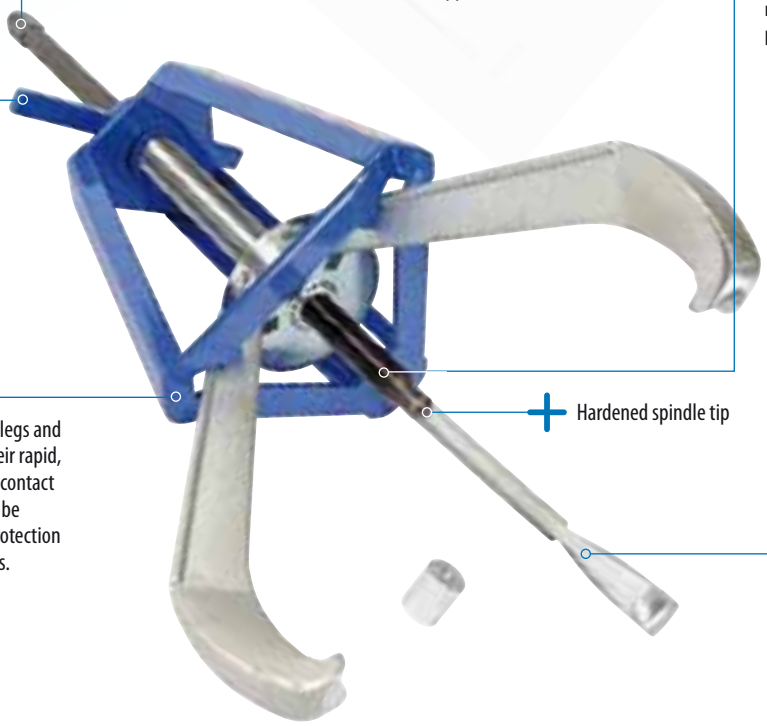
Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

Manual heavy-duty pullers

- The 2- and 3-arm pullers are suitable for the safe removal of ball bearings, pulleys, wheels, and other close-fitting components
- Cage and T-handle enable easy and fast operation - opening, closing, locking and aligning of the legs by simply turning the T-handle
- The product range offers a wide variety of clamping widths and depths, and load limits
- Depending on the model, different accessories complete the extractor usefully: Spindle protection, spindle extension, transport cart and extended legs for larger clamping widths and depths can simplify the work and upgrade the puller for more pulling situations.



The cage is the key for safe pulling …

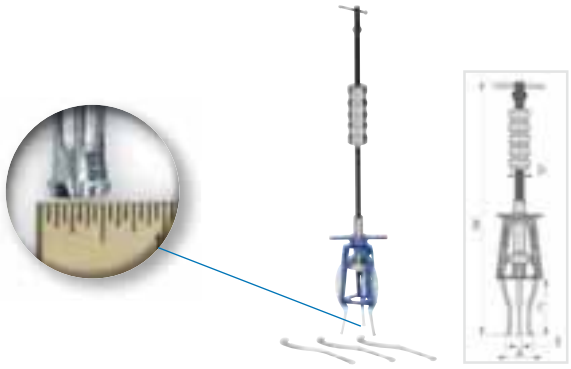
… as through the cage, the legs are fixed at the point where the force is to be applied - thus the legs cannot slip off, even on a small contact surface.

All spare parts and accessories for manual pullers are listed on page 470

8.31/1

MANUAL HEAVY-DUTY INTERNAL PULLER SET 3-arm pattern

- Suitable for removing tightly-fitting ball bearings, seals, bushings, etc.
- Wide clamping range: two leg sets 3 pieces each
- Two impact weights 1.13 kg and 2.27 kg
- Cage and T-handle enable easy and fast operation - opening, closing, locking and aligning of the legs by simply turning the T-handle
- Legs drop forged
- Through the cage, the legs are fixed at the point where the force is to be applied - thus the legs cannot slip off, even on a small contact surface

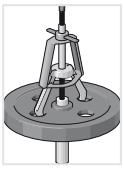


Clamping width max. short legs A	Clamping width max. long legs A	Clamping depth max. short legs C	Clamping depth max. long legs C	Height short legs B	Height long legs B	Ø Spindle D	Width of hooked foot E	kg	Code	No.
14,2-100,0	25,4-133,0	120	170	736.6	787.4	13,2	8.4	9.0	**2207478**	8.31/1

8.06

MANUAL HEAVY-DUTY PULLER 2-arm pattern

- Suitable for the removal of ball bearings, pulleys, wheels, and other close-fitting components
- Cage and T-handle enable easy and fast operation - opening, closing, locking and aligning of the legs by simply turning the T-handle
- The product range offers a wide variety of clamping widths and depths, and load limits
- Legs drop forged
- Through the cage, the legs are fixed at the point where the force is to be applied - thus the legs cannot slip off, even on a small contact surface
- Upgradeable with spindle extension and extended legs



No. of legs	max. clamping width B	max. clamping reach B	max. t	Ø spindle A	max. torque N·m	Total height D	Width of hooked foot E	Actuating Hexagon F	kg	Code	No.
2	25-381	246	12	19,0	237	518.4	25.4	24.0	5.9	**2207176**	8.06/6
2	64-457	305	22	28,5	642	692.2	32.0	30.0	17.5	**2207311**	8.06/7
2	76-635	356	31	30,0	1085	813.8	38.0	30.0	27.0	**2207435**	8.06/8

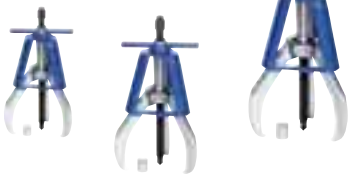
Optional accessories:

No.	**8.06/6**	**8.06/7**	**8.06/8**
optional long legs	806/601L	806/701L	---
Clamping width max. with opt. long legs	559	762	---
Clamping depth max. with opt. long legs	406	508	---

8.07

MANUAL HEAVY-DUTY PULLER 3-arm pattern

- Suitable for the removal of ball bearings, pulleys, wheels, and other close-fitting components
- Cage and T-handle enable easy and fast operation - opening, closing, locking and aligning of the legs by simply turning the T-handle
- The product range offers a wide variety of clamping widths and depths, and load limits
- Legs drop forged
- Through the cage, the legs are fixed at the point where the force is to be applied - thus the legs cannot slip off, even on a small contact surface
- Upgradeable with spindle extension and extended legs



No. of legs	max. clamping width B	max. clamping reach B	max. t	Ø spindle A	max. torque N·m	Total height D	Width of hooked foot E	Actuating Hexagon F	kg	Code	No.
3	13-178	152	9	15,8	176	338.3	19.0	19	3.6	**2206870**	8.07/4
3	19-305	203	15	19,0	299	412.8	22.2	24	5.9	**2206994**	8.07/5
3	25-381	246	18	19,0	373	518.4	25.4	24	6.8	**2207079**	8.07/6
3	64-457	305	27	28,5	811	692.2	32.0	30	20.0	**2207206**	8.07/7
3	76-635	356	36	30,0	1152	813.8	38.0	30	31.0	**2207354**	8.07/8

Optional accessories:

No.	**8.07/4**	**8.07/5**	**8.07/6**	**8.07/7**	**8.07/8**
optional long legs	---	806/601	806/601L	806/701L	---
optional extra long legs	---	806/601L	---	---	---
Clamping width max. with opt. long legs	---	401 / 559	559	762	---
Clamping depth max. with opt. long legs	---	249 / 406	406	508	---

Hydraulic heavy-duty pullers

- The 2- and 3-arm pullers are suitable for the removal of ball bearings, pulleys, wheels, and other close-fitting components
- Cage and T-handle enable easy and fast operation - opening, closing, locking and aligning of the legs by simply turning the T-handle
- The product range offers a wide variety of clamping widths and depths, and load limits
- Various delivery options: Loose puller or complete set including hydraulic cylinder, pump and pressure hose, extended legs for larger clamping widths and depths

The handle is fastened at the hydraulic cylinder and is for transporting, attaching and hanging up the puller.

Through the T-handle the legs are fixed at the point where the force is to be applied.

The cage contains the legs and in this way ensures their rapid, uniform locking, their contact stability to the part to be extracted as well as protection from shearing off parts.

The pressure pads allow the cylinder to be equipped with various tips for centred and non-centred shafts.

The slim leg feet are particularly suitable for the removal of close-fitting components.

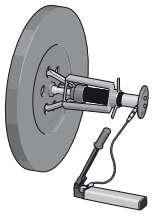
All spare parts and accessories for hydraulic pullers are listed on page 470

Technical information about cylinder and pumps are listed on page 468 - 469

8.07/HYD

HYDRAULIC HEAVY-DUTY PULLER 3-arm pattern

- Suitable for the removal of ball bearings, pulleys, wheels, and other close-fitting components
- Cage and T-handle enable easy and fast operation - opening, closing, locking and aligning of the legs by simply turning the T-handle
- The product range offers a wide variety of clamping widths and depths, and load limits
- Legs drop forged
- Through the cage, the legs are fixed at the point where the force is to be applied - thus the legs cannot slip off, even on a small contact surface
- Scope of delivery: Puller, lid with screws and various pressure pads for centred and non-centred shafts
- Upgradeable with extended legs



max. clamping width	max. clamping reach	max. t	Pressure pieces	kg	Code	No.
19-305	203	9	4	7.7	**2207605**	8.07/5 HYD
25-315	254	13	4	14.5	**2207702**	8.07/6 HYD
64-457	305	22	6	25.0	**2207796**	8.07/7 HYD
76-620	356	45	6	45.4	**2207915**	8.07/8 HYD

Optional accessories:

No.	8.07/5 HYD	8.07/6 HYD	8.07/7 HYD	8.07/8 HYD
optional long legs	806/601	806/H601L	806/701L	---
optional extra long legs	806/601L	---	---	---
Clamping width max. with opt. long legs	401 / 559	559	762	---
Clamping depth max. with opt. long legs	249 / 406	406	508	---

8.07/HYD-Z

HYDRAULIC HEAVY-DUTY PULLER 3-arm pattern, with hydraulic cylinder

- Suitable for the removal of ball bearings, pulleys, wheels, and other close-fitting components
- Cage and T-handle enable easy and fast operation - opening, closing, locking and aligning of the legs by simply turning the T-handle
- The product range offers a wide variety of clamping widths and depths, and load limits
- Legs drop forged
- Through the cage, the legs are fixed at the point where the force is to be applied - thus the legs cannot slip off, even on a small contact surface
- Scope of delivery: Puller, hydraulic cylinder, lid with screws and various pressure pads for centred and non-centred shafts
- Upgradeable with extended legs

max. clamping width	max. clamping reach	max. t	max. bar in set	included in delivery	Pressure pieces	kg	Code	No.
19-305	203	9	560	Hydraulic cylinder 8.51/5	4	11.7	**2209608**	8.07/5 HYD-Z
25-315	254	13	560	Hydraulic cylinder 8.51/6	4	23.0	**2209616**	8.07/6 HYD-Z
64-457	305	22	670	Hydraulic cylinder 8.51/7	6	42.0	**2209624**	8.07/7 HYD-Z
76-620	356	45	620	Hydraulic cylinder 8.51/8	6	80.4	**2209632**	8.07/8 HYD-Z

Optional accessories:

No.	8.07/5 HYD-Z	8.07/6 HYD-Z	8.07/7 HYD-Z	8.07/8 HYD-Z
optional long legs	806/601	806/H601L	806/701L	---
optional extra long legs	806/601L	---	---	---
Clamping width max. with opt. long legs	401 / 559	559	762	---
Clamping depth max. with opt. long legs	249 / 406	406	508	---

8.07/HYD-M

HYDRAULIC HEAVY-DUTY PULLER 3-arm pattern, with hydraulic cylinder and manual pump

- Suitable for the removal of ball bearings, pulleys, wheels, and other close-fitting components
- Cage and T-handle enable easy and fast operation - opening, closing, locking and aligning of the legs by simply turning the T-handle
- The product range offers a wide variety of clamping widths and depths, and load limits
- Legs drop forged
- Through the cage, the legs are fixed at the point where the force is to be applied - thus the legs cannot slip off, even on a small contact surface
- Scope of delivery: Puller, hydraulic cylinder, lid with screws and various pressure pads for centred and non-centred shafts, high-pressure hose and manual pump
- Upgradeable with extended legs

max. clamping width	max. clamping reach	max. t	max. bar in set	included in delivery	Pressure pieces	kg	Code	No.
19-305	203	9	560	Hydraulic cylinder 8.51/5 and manual pump 8.52/1	4	19.8	**2209640**	8.07/5 HYD-M1
19-305	203	9	560	Hydraulic cylinder 8.51/5 and manual pump 8.52/2	4	23.9	**2209659**	8.07/5 HYD-M2
25-315	254	13	560	Hydraulic cylinder 8.51/6 and manual pump 8.52/1	4	33.4	**2209705**	8.07/6 HYD-M1
25-315	254	13	560	Hydraulic cylinder 8.51/6 and manual pump 8.52/2	4	35.2	**2209713**	8.07/6 HYD-M2
64-457	305	22	670	Hydraulic cylinder 8.51/7 and manual pump 8.52/2	6	54.2	**2209772**	8.07/7 HYD-M2
76-620	356	45	620	Hydraulic cylinder 8.51/8 and manual pump 8.52/2	6	92.6	**2209829**	8.07/8 HYD-M2

Optional accessories:

No.	**8.07/5 HYD-M1**	**8.07/5 HYD-M2**	**8.07/6 HYD-M1**	**8.07/6 HYD-M2**	**8.07/7 HYD-M2**	**8.07/8 HYD-M2**
optional long legs	806/601	806/601	806/H601L	806/H601L	806/701L	---
optional extra long legs	806/601L	806/601L	---	---	---	---
Clamping width max. with opt. long legs	401 / 559	401 / 559	559	559	762	---
Clamping depth max. with opt. long legs	249 / 406	249 / 406	406	406	508	---

8.07/HYD-P

HYDRAULIC HEAVY-DUTY PULLER 3-arm pattern, with hydraulic cylinder and air hydraulic pump

- Suitable for the removal of ball bearings, pulleys, wheels, and other close-fitting components
- Cage and T-handle enable easy and fast operation - opening, closing, locking and aligning of the legs by simply turning the T-handle
- The product range offers a wide variety of clamping widths and depths, and load limits
- Legs drop forged
- Through the cage, the legs are fixed at the point where the force is to be applied - thus the legs cannot slip off, even on a small contact surface
- Scope of delivery: Puller, hydraulic cylinder, lid with screws and various pressure pads for centred and non-centred shafts, high-pressure hose and air hydraulic pump
- Upgradeable with extended legs

max. clamping width	max. clamping reach	max. t	max. bar in set	included in delivery	Pressure pieces	kg	Code	No.
19-305	203	9	560	Hydraulic cylinder 8.51/5 and air hydraulic pump 8.53/1	4	24.5	**2209667**	8.07/5 HYD-P1
19-304	203	9	560	Hydraulic cylinder 8.51/5 and air hydraulic pump 8.53/2	4	33.5	**2209675**	8.07/5 HYD-P2
25-315	254	13	560	Hydraulic cylinder 8.51/6 and air hydraulic pump 8.53/1	4	35.8	**2209721**	8.07/6 HYD-P1
25-315	254	13	560	Hydraulic cylinder 8.51/6 and air hydraulic pump 8.53/2	4	44.8	**2209748**	8.07/6 HYD-P2
64-457	305	22	670	Hydraulic cylinder 8.51/7 and air hydraulic pump 8.53/1	6	54.8	**2209780**	8.07/7 HYD-P1
64-457	305	22	670	Hydraulic cylinder 8.51/7 and air hydraulic pump 8.53/2	6	63.8	**2209799**	8.07/7 HYD-P2
76-620	356	45	620	Hydraulic cylinder 8.51/8 and air hydraulic pump 8.53/2	6	102.2	**2209837**	8.07/8 HYD-P2

Optional accessories:

No.	**8.07/5 HYD-P1**	**8.07/5 HYD-P2**	**8.07/6 HYD-P1**	**8.07/6 HYD-P2**	**8.07/7 HYD-P1**	**8.07/7 HYD-P2**	**8.07/8 HYD-P2**
optional long legs	806/601	806/601	806/H601L	806/H601L	806/701L	806/701L	---
optional extra long legs	806/601L	806/601L	---	---	---	---	---
Clamping width max. with opt. long legs	401 / 559	401 / 559	559	559	762	762	---
Clamping depth max. with opt. long legs	249 / 406	249 / 406	406	406	508	508	---

8.07/HYD-E

HYDRAULIC HEAVY-DUTY PULLER 3-arm pattern, with hydraulic cylinder and motor pump

- Suitable for the removal of ball bearings, pulleys, wheels, and other close-fitting components
- Cage and T-handle enable easy and fast operation - opening, closing, locking and aligning of the legs by simply turning the T-handle
- The product range offers a wide variety of clamping widths and depths, and load limits
- Legs drop forged
- Through the cage, the legs are fixed at the point where the force is to be applied - thus the legs cannot slip off, even on a small contact surface
- Scope of delivery: Puller, hydraulic cylinder, lid with screws and various pressure pads for centred and non-centred shafts, high-pressure hose and motor pump
- Upgradeable with extended legs

max. clamping width	max. clamping reach	max. t	max. bar in set	included in delivery	Pressure pieces	kg	Code	No.
19-305	203	9	560	Hydraulic cylinder 8.51/5 and motor pump 8.54/1	4	24.2	**2209683**	8.07/5 HYD-E1
19-305	203	9	560	Hydraulic cylinder 8.51/5 and motor pump 8.54/2	4	29.0	**2209691**	8.07/5 HYD-E2
25-315	254	13	560	Hydraulic cylinder 8.51/6 and motor pump 8.54/1	4	35.5	**2209756**	8.07/6 HYD-E1
25-315	254	13	560	Hydraulic cylinder 8.51/6 and motor pump 8.54/2	4	40.3	**2209764**	8.07/6 HYD-E2
64-457	305	22	670	Hydraulic cylinder 8.51/7 and motor pump 8.54/1	6	54.5	**2209802**	8.07/7 HYD-E1
64-457	305	22	670	Hydraulic cylinder 8.51/7 and motor pump 8.54/2	6	59.2	**2209810**	8.07/7 HYD-E2
76-620	356	45	620	Hydraulic cylinder 8.51/8 and motor pump 8.54/2	6	97.7	**2209845**	8.07/8 HYD-E2

Optional accessories:

No.	**8.07/5 HYD-E1**	**8.07/5 HYD-E2**	**8.07/6 HYD-E1**	**8.07/6 HYD-E2**	**8.07/7 HYD-E1**	**8.07/7 HYD-E2**	**8.07/8 HYD-E2**
optional long legs	806/601	806/601	806/H601L	806/H601L	806/701L	806/701L	---
optional extra long legs	806/601L	806/601L	---	---	---	---	---
Clamping width max. with opt. long legs	401 / 559	401 / 559	559	559	762	762	---
Clamping depth max. with opt. long legs	249 / 406	249 / 406	406	406	508	508	---

8.01

TRANSPORT CART

- For fast and handy transport as well as convenient storage of a hydraulic puller and its accessories
- Delivery without puller and accessories

kg	Code	No.
29.0	**2208059**	8.01

470

All spare parts and accessories for hydraulic pullers are listed on page 470

468 - 469

Technical information about cylinder and pumps are listed on page 468 - 469

8.51

HYDRAULIC CYLINDER for heavy-duty pullers

- Single-acting universal cylinder in compact design
- With spring return, large stroke length and high-quality guide belts
- The construction of the polyurethane wiper prevents that dirt can get between the piston and cylinder wall
- Piston rod of the hydraulic cylinder is especially protected against corrosion
- Delivery includes non-drip fitting and dust covers

max. working pressure bar	Connection thread	Power kN	Power t	Stroke	Oil volume cm³	kg	Code	No.
700	2.1/4" - 14 UN	111	11	155	247	4.0	**2211467**	8.51/5
700	2.3/4" - 16 UN	166	17	254	603	8.5	**2211475**	8.51/6
700	3.5/16" - 12 UN	232	24	362	1201	17.0	**2211483**	8.51/7
700	5" - 12 UN	496	51	337	2389	35.0	**2211491**	8.51/8

8.52

MANUAL PUMP for heavy-duty pullers

- With gauge for precise and controlled working
- Convenient and fast working in two-stage operation
- Needle valve for controlled discharge
- Robust aluminium tank
- Built-in safety valve
- Easy oil filling
- Return ports on all models
- Supporting feet with mounting holes
- Delivery includes non-drip coupler and dust cover

max. working pressure bar	effective oil volume cm³	Pump stroke high pressure cm³	Pump stroke low pressure cm³	Pump power at max. working pressure N	Gauge type	P Pressure connection	R Flyback connection	kg	Code	No.
700	1000	2	20	320	850/033	G 1/4"	G 1/4"	8.1	**2211505**	8.52/1
700	2400	2	20	320	850/033	G 1/4"	G 1/4"	9.9	**2211513**	8.52/2

8.53

AIR HYDRAULIC PUMP for heavy-duty pullers

- One-stage pump
- Working pressure up to 700 bar
- Delivery includes gauge, non-drip coupler and dust cover
- No. 8.53/1: Compact design, due to a rubber bellow in the tank useable in all positions, with oil gauge glass and silencer
- No. 8.53/2: With remote control for moving out, holding and discharging, cable length: 2.5 m

8.53/1

8.53/2

max. working pressure bar	effective oil volume cm³	Power cm³/min	necessary air pressure	P Pressure connection	R Flyback connection	Air connection	kg	Code	No.
700	2100	1000-200	7,0-12,0	G 1/4"	G 1/4"	NPT 1/4"	9.6	**2211521**	8.53/1
700	9000	1000-200	6,5-12,0	G 1/4"	---	G 1/4"	18.4	**2211548**	8.53/2

8.54/1

MOTOR PUMP COMPACT for heavy-duty pullers

- Two-stage, portable motor pump in very compact design
- Useable in all positions
- Electric motor, 230 V, 50 Hz, 0.35 kW
- 3/3 way electromagnetic valve with pressure holding function for hydraulic cylinder
- Remote control with cable, 2.3 m long, control voltage 12 V
- Automatic switching: low / high pressure
- Carrying strap
- Delivery includes non-drip coupler and dust cover

max. working pressure bar	effective oil volume cm³	Flow rate high pressure l/min	Flow rate low pressure l/min	Valve type	kg	Code	No.
700	1600	0.2	2.0	3/3 way	9.5	**2211556**	8.54/1

8.54/2

MOTOR PUMP for heavy-duty pullers

- Two-stage, lightweight motor pump with plastic housing
- 3/2 way electromagnetic valve for single-acting hydraulic cylinder
- Remote control with cable, 2 m long, control voltage 24 V
- Automatic switching: low / high pressure
- Delivery includes non-drip coupler and dust cover

max. working pressure bar	effective oil volume cm³	max. working pressure MPa	Flow rate high pressure l/min	Flow rate low pressure l/min	Valve type	kg	Code	No.
700	3790	70	0.33	3.3	3/2 way	15.0	**2211564**	8.54/2

850/X33

GAUGE AND GAUGE HOLDER

- Fluid-damped
- Two scales (bar / psi)
- Measuring range from 0 to 1000 bar (15000 psi)
- No. 850/033: Gauge for manual pumps no. 8.52
- No. 850/133: Gauge for air hydraulic and motor pumps (no. 8.53 and no. 8.54)
- Please order separately gauge holder (no. 850/125) for gauge no. 850/133

Measuring range		kg	Code	No.
0-1000 bar / 0-15000 psi	50 bar / 1000 psi	0.160	**2273403**	850/033
0-1000 bar / 0-15000 psi	50 bar / 1000 psi	0.210	**2211610**	850/133
		0.040	**2211602**	850/125

8.55/3

HIGH-PRESSURE HOSE

- Oil resistant, synthetic material with steel reinforcements
- Capacity up to 800 bar working pressure
- Length 3 m, further lengths available on request
- Delivery includes non-drip coupler, fitting and dust covers

max. working pressure bar	kg	Code	No.
800	2.3	**2211572**	8.55/3

850/18X

COUPLER AND FITTING

- With automatic locking mechanism
- Delivery includes dust cover

850/188

850/189

max. working pressure MPa	max. working pressure bar	Internal thread	External thread	A	B	mm	kg	Code	No.
100	1000	G 1/4"	G 1/4"	59	27.0	24	0.100	**2211580**	850/188
100	1000	---	G 1/4"	37	24.5	22	0.100	**2211599**	850/189

8.06/780-257

PRESSURE PAD SET for puller 8.07/7 HYD

Contents	kg	Code	No.
1 cylinder tip 38 x 57 mm flat, No. 806/780-251 **1 cylinder tip 51 x 64 mm flat, No. 806/780-252** **1 cylinder tip 51 x 102 mm flat, No. 806/780-253** **1 cylinder tip 38 x 64 mm conical, No. 806/780-254** **1 cylinder tip 51 x 64 mm conical, No. 806/780-255** **1 cylinder tip 51 x 114 mm conical, No. 806/780-256**	8.2	**2207885**	8.06/780-257

8.06/580-155

PRESSURE PAD SET for puller 8.07/5 HYD + 8.07/6 HYD

Contents	kg	Code	No.
1 cylinder tip 25 x 25 mm flat, No. 806/580-151 **1 cylinder tip 25 x 76 mm flat, No. 806/580-152** **1 cylinder tip 25 x 38 mm conical, No. 806/580-153** **1 cylinder tip 25 x 89 mm conical, No. 806/580-154**	1.3	**2207680**	8.06/580-155

8.06/880-508

PRESSURE PAD SET for puller 8.07/8 HYD

Contents	kg	Code	No.
1 cylinder tip 51 x 76 mm flat, No. 806/880-501 **1 cylinder tip 70 x 76 mm flat, No. 806/880-502** **1 cylinder tip 70 x 127 mm flat, No. 806/880-503** **1 cylinder tip 51 x 95 mm conical, No. 806/880-504** **1 cylinder tip 70 x 95 mm conical, No. 806/880-505** **1 cylinder tip 70 x 140 mm conical, No. 806/880-506** **1 adaptor, No. 806/880-507**	13.6	**2208040**	8.06/880-508

Accessories and spare parts for manual heavy-duty pullers

Spare parts 2-arm				8.06/6		8.06/7		8.06/8
(1) Cage				806/631		806/731		806/831
(2) Legs				806/601		806/701		806/801
(3) Head				806/604		806/704		806/804
(4) Pin				806/518		806/718		806/718
(5) T-handle				806/509		806/709		806/809
(6) Spindle				806/606		806/706		806/806
(7) Circlip				806/591		806/791		806/891
(8) Spindle protection				806/510		806/710		806/710
Accessories 2-arm					max. spanwidth / -depth		max. spanwidth / -depth	
Leg long				806/601L	38-559 / 406	806/701L	38-762 / 508	
Spindle extension				806/516				

Spare parts 3-arm	8.07/4	8.07/5		8.07/6		8.07/7		8.07/8
(1) Cage	807/431	807/531		807/631		807/731		807/831
(2) Legs	806/401	806/501		806/601		806/701		806/801
(3) Head	807/404	807/504		807/604		807/704		807/804
(4) Pin	806/418	806/518		806/518		806/718		806/718
(5) T-handle	806/409	806/509		806/509		806/709		806/809
(6) Spindle	806/406	806/506		806/606		806/706		806/806
(7) Circlip	806/491	806/591		806/591		806/791		806/891
(8) Spindle protection	806/410	806/510		806/510		806/710		806/710
Accessories 3-arm			max. spanwidth / -depth		max. spanwidth / -depth		max. spanwidth / -depth	
Leg long		806/601	57-381 / 154	806/601L	38-559 / 406	806/701L	38-762 / 508	
Leg extra long		806/601L	38-559 / 406					
Spindle extension	806/416	806/516		806/516				

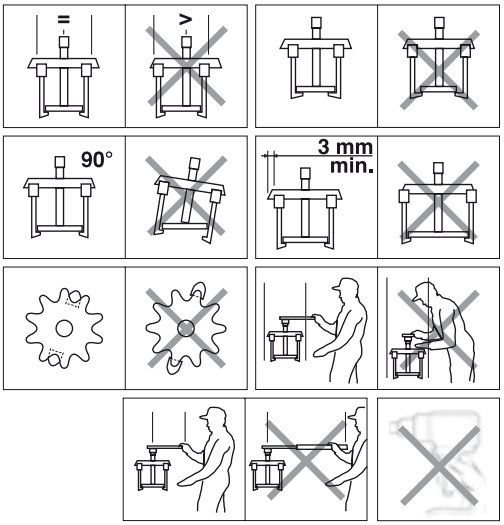
Accessories and spare parts for hydraulic heavy-duty pullers

Spare parts		8.07/5 HYD		8.07/6 HYD		8.07/7 HYD		8.07/8 HYD
(1) Cage		807/H531		807/H631		807/H731		807/H831
(2) Legs		806/501		806/H601		806/701		806/H801
(3) Head		807/H504		807/H604		807/H704		807/H804
(4) Pin		806/H518		806/H618		806/718		806/H818
(5) T-handle		806/H509		806/H609		806/H709		806/H809
(6) Circlip		806/H591		806/H691		806/H791		806/H891
Lid		806/H511		806/H511		806/H711		807/H811
Pressure pad set		8.06/580-155		8.06/580-155		8.06/780-257		8.06/880-508
Accessories			max. spanwidth / -depth		max. spanwidth / -depth		max. spanwidth / -depth	
Leg long		806/601	58-401 / 249	806/H601L	38-559 / 406	806/701L	38-762 / 508	
Leg extra long		806/601L	38-559 / 406					
Transport cart						8.01		8.01

For more technical information see our website www.gedore.com

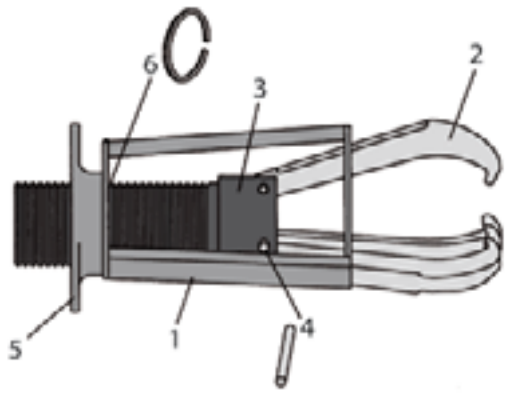
Safety notes

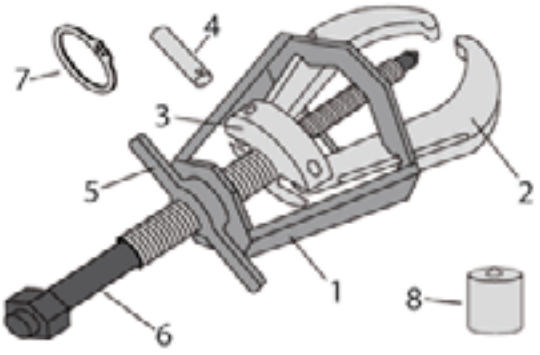
The design of GEDORE heavy-duty pullers provides for a maximum degree of safety. Even so, do bear in mind that extremely high forces are involved when pulling and so go about the operation carefully!
Do observe the following safety instructions when pulling is involved and make them known to those carrying out the work.

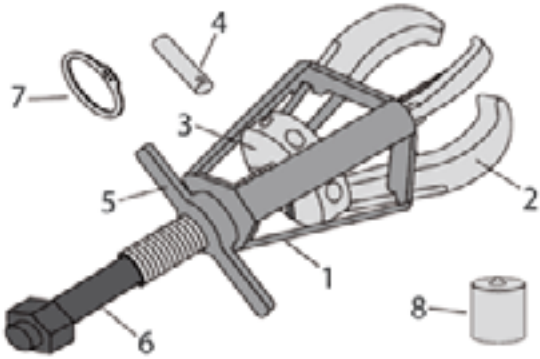


. . . 5.10 as a protection from shearing off components . . .

- Read the operating instructions!
- Use only original spare parts and accessories for your GEDORE puller. Never use worm, modified or defective spare parts or accessories.
- Wear goggles and protective clothing when working. For added safety, use the GEDORE safety cover 5.10!
- Before pulling, ensure that the legs are in contact with the part to be pulled and are firmly tightened so that the spindle operates centrally along the axis of the puller.
- Attention! When using a puller, forces of up to several tons are generated! Take care to ensure that the puller is correctly positioned and is vertical to the component being pulled.
- Do not use electric or pneumatic power or percussion drivers.







Technical Symbols

kg	Weight (total)	mm	Jaw width / tape width		magnetic
kg	Weight (total)	mm	Head width		new
kg	Weight (hammer head)	mm	Dimension shaft		Type of jaw
mm	Length (total)	mm	Dimension head/striking face		Catalogue page
mm	Length (total)	mm	Blade / Cutting edge width		Safety symbols
mm	Length of blade	mm	Blade thickness		
∅ mm	Diameter (also dia. of head, of shaft, of points)	VPA GS	GS Seal of tested quality		

Hammers / Striking Tools

Service / Features	474 – 479
Engineers' hammers	480 – 484
Club hammers	484 – 485
Sledge hammers	486 – 488
Bricklayer's hammers	488
Carpenter's hammers	489
Hammers miscellaneous	490 – 491
Recoilless hammers	492 – 494
Safety hammers / Wooden / Copper / Lead hammers	494 – 497
Forging Tools	497
Scrapers	498 – 499
Chisels	499 – 504
Drift / Centre / Pin Punches	504 – 506
Sets	506 – 509
Bending bars / Prybars	509 – 510
Nail lifter / Crowbars	511

GEDORE Hammers and Striking Tools

Safety beat by beat

For Rough Work and Precision Alike

Large selection of hammers:

- From the tile hammer, recoilless hammer, forging tool and engineer's hammer through to the sledge hammer
- Top-grade industrial quality for the hardest of continuous uses
- Available singly or in practical sets
- Customised manufacturing and types on request

Large selection including chisels, center punches and drift punches

- With optional hand guard
- Also available in the range/set
- Precisely hardened and annealed - long service life

Top quality - everything from a single source

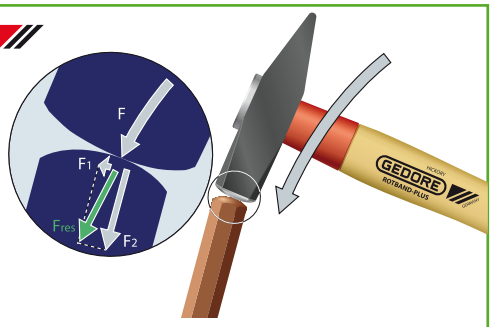
- The base is made up of stringently controlled quality steel and meticulously selected wood
- Experienced and reliable specialists vouch for precision-like processing
- Hammer head and shaft (up to 400 mm) are made in GEDORE's own production facilities in Germany
- Stringent quality checks after each production step ensure a constantly high level

ROTBAND-PLUS system - dependability under extreme loading

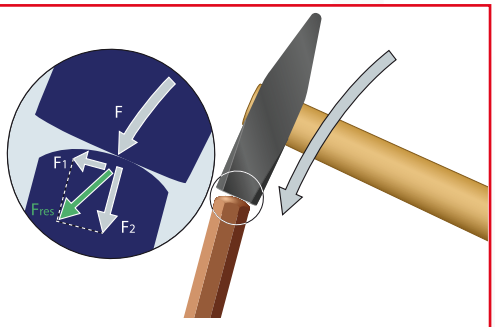
- Hammers utilise the patented ROTBAND-PLUS securing system - "no losing of heads" as a result
- The ideal aid for site work
- Models with extra inductively tempered edges of the faces

GEDORE hammers and GEDORE chisels - An alliance for safe working

- Considerable forces are liberated on hammer face and chisel head impacting on each other.



- GEDORE hammers and chisels are optimally adapted to each other. Their regulation-compliant geometrical shape diverts the bulk of the forces raised towards the chisel tip.



- In the case of hammers and chisels which are not ground in a regulation-compliant manner, most of the force raised is not transferred to the chisel tip and can, as a result, give rise to serious injuries.

		ROTBAND-PLUS	hickory	ash	tubular steel	fibreglass	plastic	rubber with steel tube	inductive	g	Ω
	600 E	●		●						100- 2000	
	600 H	●	●							100 - 2000	
	600 IH	●	●						●	200 - 2000	
	4 E			●						50 - 2000	
	4 H		●							50 - 2000	
	4 K						●			200 - 1000	
	500 F					●				200 - 2000	
	500 ST				●					300 - 500	
	525 H	ROTBAND	●							500	
	8601			●						1/4 LBS - 2 LBS	
	65 E			●						100 - 600	
	620 E	●		●						1000 - 2000	
	620 H	●	●							1000 - 2000	
	20 E			●						1000 - 10000	
	20 H		●							1000 - 10000	
	20 F					●				1000 - 10000	
	20 ST				●					1000 - 1250	
	609 H	●	●							3000 - 10000	
	9 E			●						3000 - 10000	
	9 H		●							3000 - 10000	
	9 F					●				3000 - 10000	
	9 G							●		5000	
	29 ST				●					500	
	94 ST				●					600	
	93 ST				●					600	
	75 GSTM				all-steel					600	●
	75 STK				●					600	
	75 ST				●					600	
	75 STKM				●					600	●
	75 STM				●					600	●
	71 GSTM				all-steel						●
	677 H	●	●							300	
	77 ST				●					300 - 400	
	77 E			●						330	

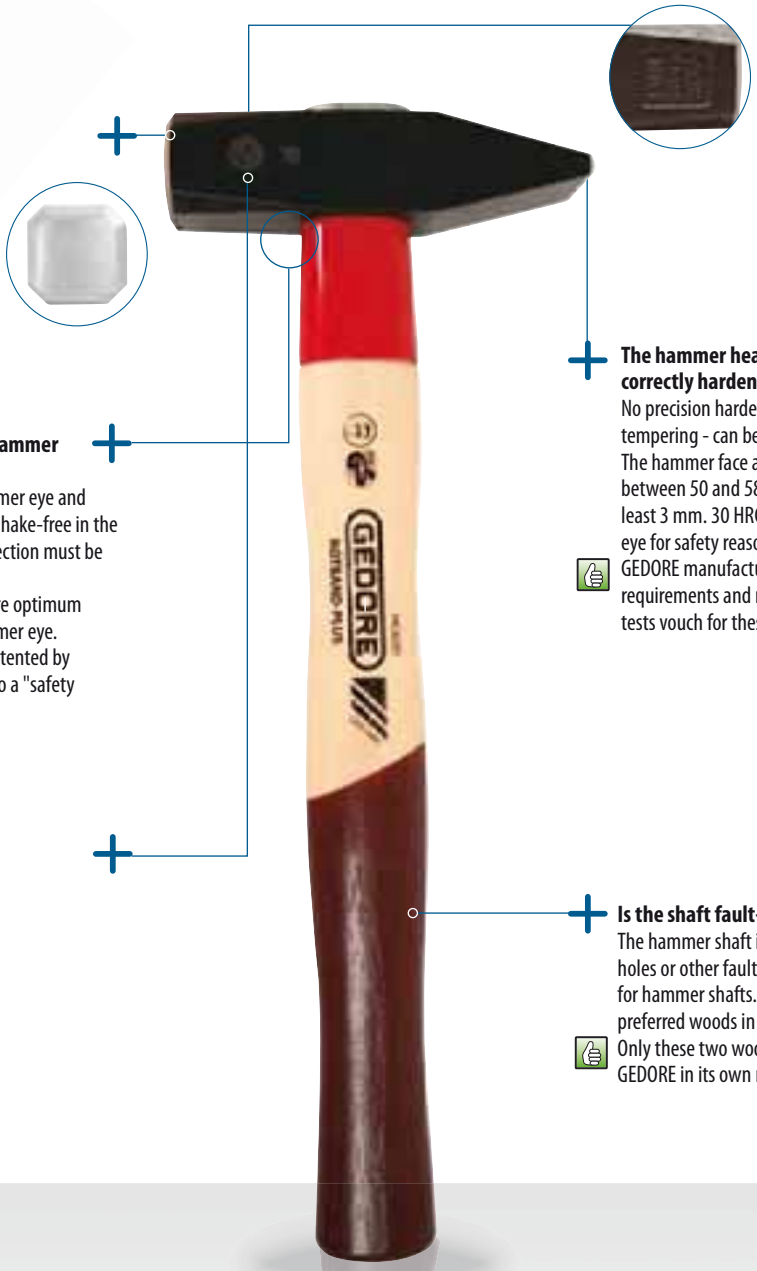
Optional accessories

1000 74

1500 CT1-350 110

Tip: How can I tell if the hammer is a reliable one?

Accurate 45° edge at hammer face and pein
The edge - also referred to as chamfer - stops any dangerous splintering.
GEDORE hammers have a clean-cut edge as conforming to regulations.



Permanent marking
GEDORE stamps or forges the DIN 1041, the weight and the manufacturer's logo into the hammer head in a permanent and legible manner.

The hammer head must be correctly hardened and tempered
No precision hardening and annealing - also referred to tempering - can be checked on without the use of aids. The hammer face and pein must have a hardness of between 50 and 58 HRC. Hardness must reach down to at least 3 mm. 30 HRC is not to be exceeded at the inserting eye for safety reasons.
GEDORE manufactures on the basis of the above DIN 1193 requirements and meets them at the same time. Constant tests vouch for these figures.

Assured and firm connection/fitting of hammer shaft and head
Take a look: are there any gaps between hammer eye and shaft? The wooden shaft must be secure and shake-free in the hammer head. The shaft/hammer head connection must be securely wedged.
GEDORE only uses tapered collars which ensure optimum distribution of the clamping force in the hammer eye.
The ROTBAND-PLUS system developed and patented by GEDORE turns every ordinary DIN hammer into a "safety hammer".

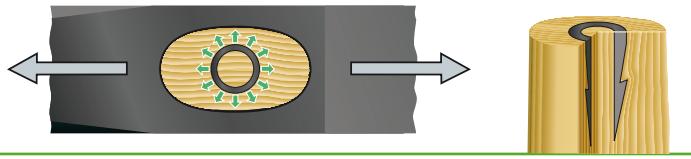
Distinctive manufacturer's name on the hammer head
GEDORE inscribes its hammer heads with **HB** (**H**ermann **B**remer).

Is the shaft fault-free?
The hammer shaft is not to have any cracks, branch holes or other faults. Nor every type of wood is suitable for hammer shafts. Hickory and ash are noted as the preferred woods in DIN 68340.
Only these two wood types are used by GEDORE in its own manufacturing process.

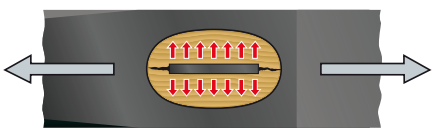
Wedges

GEDORE

- The **tapered collar** evenly distributes the clamping force across 360° i.e. also in the direction of motion. The wood fibre structure is not ruined. There is no slackening of the hammer head even after several hundred strikes.
- The barbed hook ensures a positive fit and stops the tapered collar from loosening. A safety "extra".



- No clamping force in the direction of motion thanks to the **flat wedge**.



Wooden handles

Hickory handles

- High quality and extremely break-proof wood. Compared with ash the physical load stability of hickory is around 3-4 times higher
- Long-fibre structure: More safety in the event of a handle breakage - the wood is held together by the long fibres and hence uncontrolled separation of the broken handle as well as the hammer head is avoided
- Vibration dampening
- Long life = very good price-performance ratio

Ash handles

- This wood is prescribed by the DIN as the minimum wood quality
- Inexpensive
- Break-proof
- Short-fibre structure: the short fibres in the wood mean that, in the event of a break, the shaft cannot be held together. The shaft breaks into two parts.

Wood is a natural product!

- GEDORE uses only wood types and timbers that comply with DIN 68 340 (Wooden Shafts for Impact Tools)
- Wood retains its natural properties even after processing
- Trees regulate their moisture content by giving off moisture through their pores. This property is retained in processed wood. This means that a wooden hammer shaft loses moisture through its pores when the air humidity is low and shrinks. Too much moisture causes the wooden shaft to swell up and damages the wooden fibres.
- DIN 68 340 defines the required moisture content of the hammer shaft at the time of joining the shaft to the head. This must be between 12 % and 14 % in relation to the dry weight. In-house manufacture under continuous quality controls guarantees compliance with the requirements of DIN 68 340

Tip

- Before use, always check that the hammer head is securely attached to the shaft!
- Never store the hammer in too dry conditions!
- Storage in well-heated rooms or near a source of heat is particularly harmful, drawing moisture out of the hammer shaft, causing the shaft section to shrink. In extreme cases, the secure fit of the hammer head on the shaft can no longer be guaranteed.

STEEL TUBE, FIBRE GLASS OR PLASTIC HANDLES

Tubular steel handles

- High bending strength
- Resistant to the influence of weather

Fibre glass handles

- Robust - virtually unbreakable
- Insensitive to all weather conditions - can also be fully used in minus temperatures and is still unbreakable
- Resistant to all common chemicals such as for example oils and greases

Rubber grip and steel tube handle

- Resilient
- Unbeatable price-performance ratio since the hammer is very durable
- Vibration dampening
- Resistant to petrol and oil
- Serrated gripping zones for a firm grip

Safety notes for fibre glass handles

- Mishits with fibre glass tools can lead to the material fibre detaching.
- To stop these fibres inflaming the skin, we would recommend safety gloves being worn during the work.

Note

- Intensive testing of steel tube, fibre glass and plastic shafts as to a firm fit in the hammer head is required. Preference is for hammers with an additionally secured head. The head is also positively fitted to the hammer shaft by means of a spring pin.

- Rubber handgrip feature: make sure the handgrip is firmly bonded to the shaft. Try out the turning test. A handgrip which can still be turned on the hammer shaft does not meet the DIN-prescribed figures.

Safety notes for hammers 633

Manufacturing process for hammers

Hammer head

(1) C45 hardened and tempered steel precisely cropped to length.

(2) Hot pre-forged in a double forging die.

(3) Fully forged blank.

(4) De-burring of the blanks.

(5) Production of the hammer eye.

(6) After descaling the blank, it is machined all round in accordance with DIN 1193. The pein and face of the hammer head are additionally ground.

(7) The hammer head is induction hardened to 50-58 HRC and then annealed. Care has to be taken to ensure that, within a defined measured area, the hardness deviation is no greater than 5 HRC. The hardening depth on the face and pein must be at least 3 mm. The hardness of the eye zones, however, must not exceed 30 HRC. The hammer head now has hard striking faces and a soft "shock absorber" zone. These safety-relevant values are subject to continuous monitoring. The hammer head is permanently stamped with the manufacturer's mark, weight and DIN 1041.

(8) The hammer head is sand blasted to descale and degrease it.

(9) Corrosion protection by stove enamelling.

(10) The hammer face and pein are ground bright in accordance with DIN 1041. Attention is paid here particularly to regular clean edges and to a slight convex geometry of the face.

Hammer handle

(1) Shaft blank from hickory. This tough wood has long fibres, making it ideal for hammer shafts. The long fibres cushion the impact in the hand. The tight annealed rings give the wood its flexural strength.

(2) The square shaft blank is cut to size.

(3) The hammer shaft is milled.

(4) The look is improved by sanding.

(5) Coating with water-soluble clear varnish.

(6) The hand end is set off in mahogany staining.

(7) The shaft protection sleeve is pressed on and the shaft tampon printed.

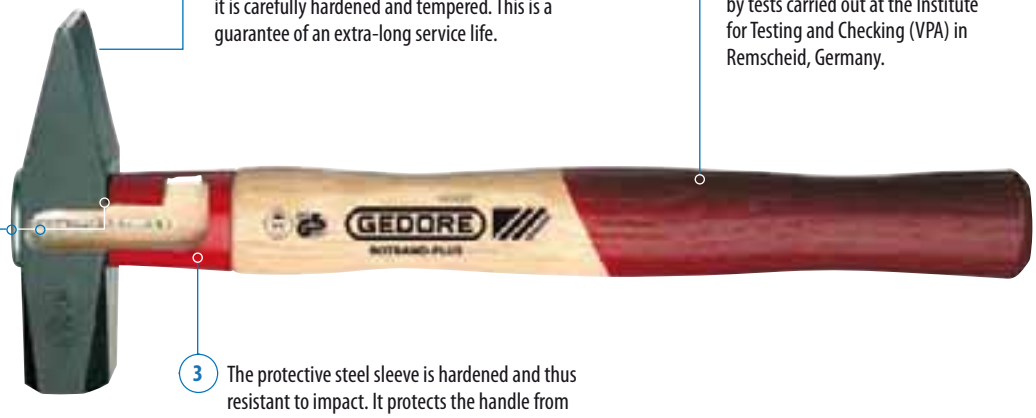
ROTBAND-PLUS hammers

THE ORIGINAL - A safe join

1 The hammer head corresponds to the relevant DIN standard. Following the forging process, it is carefully hardened and tempered. This is a guarantee of an extra-long service life.

4 The handle is hand-friendly wood, and bend-resistant. This has been proven by tests carried out at the Institute for Testing and Checking (VPA) in Remscheid, Germany.

The join between the hammer head and the handle is one of the most important features of the ROTBAND-PLUS. A wood screw, a tapered collar and a fixing plate ensure a permanent and safe joint. 2



3 The protective steel sleeve is hardened and thus resistant to impact. It protects the handle from damage when the hammer misses its target, and gives the hammer head additional security.

Patented safety system

2 ROTBAND-PLUS hammer

- The hammer shaft is pressed into the hammer head.
- The ring wedge is pressed in to secure the shaft in the eye of the hammer head.
- The round, conical form ensures an all-round, uniform pressure.
- Tightening the wood screw ensures a positive fit of the safety plate with the shaft.

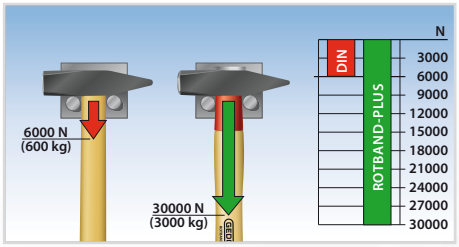
3 Safety principle

GEDORE

Wooden handle with ROTBAND-PLUS Safety Feature
- After 1,000 impacts: Slight traces in the paint, no deformation, absolutely firm seating.

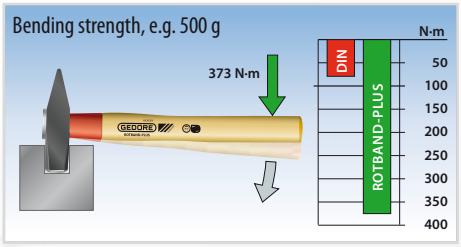
Unprotected hammer handle
- After 30 impacts: Noticeable damage to the handle - risk of breakage!

2 Features



The values required by the German Standards Institute (DIN) are exceeded considerably. According to the report by the Institute for Testing and Checking (VPA) in Remscheid, with the ROTBAND-PLUS hammers more than five times the required force was attained.

4



Due to the hardened ROTBAND-PLUS protective sleeve for the handle and the fixing plate, the bending strength of the ROTBAND-PLUS hammers exceeds that of standard DIN hammers by a wide margin.

All the benefits at a single glance

GEDORE

- Patented handle join ROTBAND-PLUS
- The protective steel sleeve, the tapered collar, the fixing plate and the wood screw bond the hammer head and the handle into one unit = maximum work safety
- The protective steel sleeve protects the handle from damage when the hammer misses its target and guarantees thus a long service life
- Best price-performance ratio
- With the standardised ROTBAND-PLUS handles every standardised hammer head can be turned into a ROTBAND-PLUS hammer.

ENGINEERS' HAMMERS ROTBAND-PLUS

600 E + 600 H

ENGINEERS' HAMMER ROTBAND-PLUS

- Forged hammer head DIN 1041
- With contoured ash or hickory handle DIN 5111, additionally shaped with a long hardened handle protective steel sleeve
- The tapered collar, fixing plate and wood screw bond the hammer head and the handle into one unit
- Patented handle join, high working safety, long service life, best price-performance ratio
- DBGM G 9414 1878 (German utility patent), European-Patent-No. 0703045

g	mm	kg	Code	No.
100	260	0.188	**8581610**	600 E-100
200	280	0.325	**8581880**	600 E-200
300	300	0.502	**8581960**	600 E-300
400	310	0.605	**8582180**	600 E-400
500	320	0.727	**8582260**	600 E-500
600	330	0.841	**8582340**	600 E-600
800	350	1.135	**8582420**	600 E-800
1000	360	1.326	**8582500**	600 E-1000
1500	380	1.908	**8582690**	600 E-1500
2000	400	2.491	**8582770**	600 E-2000

g	mm	kg	Code	No.
100	260	0.188	**8582850**	600 H-100
200	280	0.325	**8582930**	600 H-200
300	300	0.502	**8583070**	600 H-300
400	310	0.605	**8583150**	600 H-400
500	320	0.727	**8583230**	600 H-500
600	330	0.840	**8583310**	600 H-600
800	350	1.135	**8583580**	600 H-800
1000	360	1.326	**8583660**	600 H-1000
1500	380	1.908	**8583740**	600 H-1500
2000	400	2.491	**8583820**	600 H-2000

1500 ES-350 / 1500 CT1-350 104 · 110

6 NA 483

600 IH

ENGINEERS' HAMMER ROTBAND-PLUS

- Forged hammer head DIN 1041
- The edges of the flat side of the head are induction hardened
- With contoured ash or hickory handle DIN 5111, additionally shaped with a long hardened handle protective steel sleeve
- The tapered collar, fixing plate and wood screw bond the hammer head and the handle into one unit
- Patented handle join, high working safety, long service life, best price-performance ratio

g	mm	kg	Code	No.
200	280	0.325	**8583900**	600 IH-200
300	300	0.502	**8584040**	600 IH-300
400	310	0.605	**8584120**	600 IH-400
500	320	0.727	**8584200**	600 IH-500
600	330	0.841	**8584390**	600 IH-600
800	350	1.135	**8587300**	600 IH-800
1000	360	1.326	**8587490**	600 IH-1000
1500	380	1.908	**8587570**	600 IH-1500
2000	400	2.491	**8588970**	600 IH-2000

E 600 E + E 600 H

SPARE HANDLE ROTBAND-PLUS FOR ENGINEERS' HAMMERS

- Ash (E 600 E) or hickory (E 600 H) DIN 5111
- With hardened handle protective steel sleeve, tapered collar, fixing plate and wood screw
- With this standard wooden handle, according to DIN 5111 it is possible to convert even ordinary hammer heads, as long as they are to DIN standards, to a ROTBAND-PLUS-hammer
- Method: Hammer the handle into the hammer head until it reaches the casing. Drive the tapered collar into the centre of the handle. Fasten the safety plate with a wood screw

for ▬ g	mm	kg	Code	No.
100	260	0.076	**8589000**	E 600 E-100
200	280	0.099	**8589190**	E 600 E-200
300	300	0.150	**8589270**	E 600 E-300
400	310	0.179	**8589350**	E 600 E-400
500	320	0.185	**8589430**	E 600 E-500
600	330	0.214	**8589510**	E 600 E-600
800	350	0.210	**8589780**	E 600 E-800
1000	360	0.288	**8589860**	E 600 E-1000
1500	380	0.350	**8589940**	E 600 E-1500
2000	400	0.377	**8593700**	E 600 E-2000

for ▬ g	mm	kg	Code	No.
100	260	0.081	**8593890**	E 600 H-100
200	280	0.120	**8595080**	E 600 H-200
300	300	0.134	**8595160**	E 600 H-300
400	310	0.180	**8595240**	E 600 H-400
500	320	0.198	**8596480**	E 600 H-500
600	330	0.234	**8596560**	E 600 H-600
800	350	0.296	**8596640**	E 600 H-800
1000	360	0.315	**8597880**	E 600 H-1000
1500	380	0.373	**8597960**	E 600 H-1500
2000	400	0.442	**8599070**	E 600 H-2000

HELVING - MADE EASY

- Hammer the handle into the hammer head until it reaches the casing
- Drive the tapered collar into the centre of the handle
- Fasten the safety plate with a wood screw

E 5

SPARE TAPERED COLLAR

- For safe fastening of the wooden handles

Ø	mm	kg	Code	No.
7	12.0	0.001	**8593970**	E 5-100
8	15.0	0.003	**8594000**	E 5-200
10	17.0	0.004	**8594190**	E 5-300
11	18.0	0.005	**8594270**	E 5-400
12	20.0	0.007	**8594350**	E 5-500
13	20.0	0.008	**8594860**	E 5-600
14	21.0	0.009	**8594430**	E 5-800
14	21.0	0.010	**8594940**	E 5-1000
15	23.5	0.013	**8594510**	E 5-1500
16	23.0	0.014	**8594780**	E 5-2000

HANDLE TYPES

- For more information on handle types see page 477

GEDORE INDIVIDUAL ... CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

ENGINEERS' HAMMERS

4E+4H

ENGINEERS' HAMMER

- Forged hammer head DIN 1041
- With ash (4 E) or hickory handle (4 H) to DIN 5111

g	mm	kg	Code	No.
50	250	0.089	**8586090**	4 E-50
100	260	0.158	**8586170**	4 E-100
200	280	0.275	**8586250**	4 E-200
300	300	0.440	**8586330**	4 E-300
400	310	0.530	**8586410**	4 E-400
500	320	0.625	**8586680**	4 E-500
600	330	0.750	**8586760**	4 E-600
800	350	0.930	**8586840**	4 E-800
1000	360	1.180	**8586920**	4 E-1000
1500	380	1.760	**8587060**	4 E-1500
2000	400	2.320	**8587140**	4 E-2000

g	mm	kg	Code	No.
100	260	0.168	**8590280**	4 H-100
200	280	0.300	**8590360**	4 H-200
300	300	0.460	**8590440**	4 H-300
400	310	0.550	**8590520**	4 H-400
500	320	0.650	**8590600**	4 H-500
600	330	0.760	**8590790**	4 H-600
800	350	1.030	**8590870**	4 H-800
1000	360	1.210	**8590950**	4 H-1000
1500	380	1.859	**8591090**	4 H-1500
2000	400	2.370	**8591170**	4 H-2000

E4E+E4H

SPARE HANDLE

- Ash (E 4 E) or hickory handle (E 4 H), acc. to DIN 5111
- With oval fixing hole, i.e. for engineers' hammers

for g	mm	kg	Code	No.
50	250	0.033	**8587650**	E 4 E-50
100	260	0.045	**8587730**	E 4 E-100
200	280	0.085	**8587810**	E 4 E-200
300	300	0.099	**8588030**	E 4 E-300
400	310	0.100	**8588110**	E 4 E-400
500	320	0.160	**8588380**	E 4 E-500
600	330	0.140	**8588460**	E 4 E-600
800	350	0.165	**8588540**	E 4 E-800
1000	360	0.183	**8588620**	E 4 E-1000
1500	380	0.196	**8588700**	E 4 E-1500
2000	400	0.261	**8588890**	E 4 E-2000

for g	mm	kg	Code	No.
100	260	0.058	**8591330**	E 4 H-100
200	300	0.085	**8591410**	E 4 H-200
300	300	0.085	**8591680**	E 4 H-300
400	320	0.120	**8591760**	E 4 H-400
500	320	0.140	**8591840**	E 4 H-500
600	330	0.150	**8591920**	E 4 H-600
800	350	0.210	**8592060**	E 4 H-800
1000	360	0.225	**8592140**	E 4 H-1000
1500	380	0.190	**8592220**	E 4 H-1500
2000	400	0.280	**8592300**	E 4 H-2000

4K

ENGINEERS' HAMMER

- Forged hammer head DIN 1041
- With Ultramid® plastic handle and safety wedge
- Ultramid® = trade name of BASF AG, Germany

g	mm	kg	Code	No.
200	280	0.280	**8812950**	4 K-200
300	300	0.430	**8604170**	4 K-300
500	320	0.630	**8604330**	4 K-500
800	350	1.020	**8604680**	4 K-800
1000	360	1.160	**8604760**	4 K-1000

E4K

SPARE HANDLE

- Made from Ultramid® plastics
- Suitable for all hammer heads acc. to DIN 1041
- Delivery complete with tapered collar and fixing clip
- Ultramid® = trade name of BASF AG, Germany

mm	kg	Code	No.
280	0.070	**8897170**	E 4 K-200
300	0.090	**8897250**	E 4 K-300
320	0.120	**8897330**	E 4 K-500
350	0.180	**8897410**	E 4 K-800
360	0.192	**8897680**	E 4 K-1000

500 F

ENGINEERS' HAMMER

- Forged hammer head
- Nearly unbreakable fibreglass handle with plastic grip
- Additionally hardened handle protective steel sleeve, with secured head
- Induction tempered edges of the flat side of the head available on request

g	mm	kg	Code	No.
200	280	0.360	**8598180**	500 F-200
300	300	0.570	**8598260**	500 F-300
400	310	0.660	**8598340**	500 F-400
500	320	0.770	**8598420**	500 F-500
600	330	0.900	**8598500**	500 F-600
800	350	1.174	**8598690**	500 F-800
1000	360	1.398	**8598770**	500 F-1000
1500	380	1.838	**8598850**	500 F-1500
2000	400	2.352	**8598930**	500 F-2000

6 NA

SOFT FACE CAP for engineers' hammers

- Polyethylene

for g	kg	Code	No.
300	0.025	**8605570**	6 NA-300
500	0.050	**8605650**	6 NA-500
800	0.060	**8605730**	6 NA-800
1000	0.053	**8802990**	6 NA-1000

500 ST

ENGINEERS' HAMMER

- Forged hammer head
- Steel tube handle with plastic grip
- Very robust and durable

g	mm	kg	Code	No.
300	270	0.575	**8606620**	500 ST-300
500	300	0.780	**8606890**	500 ST-500

8601

ENGINEER'S BALL PEIN HAMMER WITH BALL

- With hickory handle
- Hardened and tempered steel to EN 10083
- Enamelled, face and ball ground

lbs	mm	kg	Code	No.
1/4	270	0.172	**6764030**	8601 1/4
1/2	290	0.307	**6764110**	8601 1/2
3/4	310	0.475	**6764380**	8601 3/4
1	325	0.565	**6764460**	8601 1
1.1/8	350	0.605	**1429078**	8601 1.1/8
1.1/4	350	0.772	**6764540**	8601 1.1/4
1.1/2	365	0.800	**6764620**	8601 1.1/2
1.3/4	400	0.900	**1429108**	8601 1.3/4
2	380	1.073	**6764700**	8601 2

525 H 484

E-8601

SPARE HANDLE HICKORY

mm	kg	Code	No.
270	0.105	**1431056**	E-8601 1/4
290	0.120	**1431102**	E-8601 1/2
310	0.135	**1431110**	E-8601 3/4
325	0.150	**1431129**	E-8601 1
350	0.165	**1431137**	E-8601 1.1/8
350	0.180	**1431145**	E-8601 1.1/4
365	0.195	**1431153**	E-8601 1.1/2
400	0.210	**1431161**	E-8601 1.3/4
380	0.225	**1431188**	E-8601 2

525 H

HAMMER KOMBI-PLUS

- Combination of engineers' and plastic hammer
- ROTBAND execution with hardened handle protective steel sleeve
- With hickory handle
- Suitable for nearly all jobs of an engineers' hammer
- The plastic side may be used for all straightening and beating works and hardened work pieces
- Spare head E 225-27

g	∅ mm	mm	kg	Code	No.
500	27	320	0.680	**1441310**	525 H-500

JOINERS' HAMMERS

65 E

JOINERS' HAMMER French pattern

- With contoured ash handle DIN 5111

mm	mm	Spare handle	kg	Code	No.
18	260	E 4 E-100	0.220	**8684260**	65 E-18
20	300	E 4 E-300	0.240	**8684340**	65 E-20
22	300	E 4 E-300	0.350	**8684420**	65 E-22
25	310	E 4 E-400	0.450	**8684500**	65 E-25
28	320	E 4 E-500	0.590	**8684690**	65 E-28

CLUB HAMMERS

620 E + 620 H

CLUB HAMMER ROTBAND-PLUS

- Forged head DIN 6475
- Contoured ash (620 E) or hickory handle (620 H) DIN 5135, supplementary with long hardened handle protective steel sleeve
- The sleeve, tapered collar, fixing plate and wood screw bond the hammer head and wood handle into one unit
- Patented handle join, high working safety, long service life, best price-performance ratio

g	mm	kg	Code	No.
1000	260	1.288	**8886990**	620 E-1000
1250	260	1.483	**8887020**	620 E-1250
1500	280	1.820	**8887100**	620 E-1500
2000	300	2.291	**8887290**	620 E-2000

g	mm	kg	Code	No.
1000	260	1.317	**8887370**	620 H-1000
1250	260	1.493	**8887450**	620 H-1250
1500	280	1.820	**8887530**	620 H-1500
2000	300	2.240	**8887610**	620 H-2000

E 620 E + E 620 H

SPARE HANDLE ROTBAND-PLUS

- Contoured ash (E 620 E) or hickory handle (E 620 H) DIN 5135
- With hardened handle protective steel sleeve, fixing plate, tapered collar and wood screw
- For all club hammers according to DIN 6475
- With this handle acc. to DIN, every standard DIN club hammer head can be converted to a ROTBAND-PLUS club hammer

mm	kg	Code	No.
260	0.240	**8678100**	E 620 E-1000
260	0.230	**8749650**	E 620 E-1250
280	0.280	**8676670**	E 620 E-1500
300	0.310	**8676750**	E 620 E-2000

mm	kg	Code	No.
260	0.270	**8677210**	E 620 H-1000
260	0.260	**8749730**	E 620 H-1250
280	0.280	**8677480**	E 620 H-1500
300	0.350	**8677560**	E 620 H-2000

20 E + 20 H

CLUB HAMMER

- Forged head DIN 6475
- With ash (20 E) or hickory handle (20 H) DIN 5135

g	mm	kg	Code	No.
1000	260	1.196	**8632460**	20 E-1000
1250	260	1.388	**8632540**	20 E-1250
1500	280	1.704	**8632620**	20 E-1500
2000	300	2.176	**8632700**	20 E-2000
3000	600	3.480	**8632890**	20 E-3
4000	700	4.280	**8632970**	20 E-4
5000	800	5.750	**8633000**	20 E-5
6000	800	6.505	**8633190**	20 E-6
8000	900	9.100	**8633270**	20 E-8

g	mm	kg	Code	No.
1000	260	1.220	**8635210**	20 H-1000
1250	260	1.406	**8635480**	20 H-1250
1500	280	1.740	**8635560**	20 H-1500
2000	300	2.275	**8635640**	20 H-2000

E 20 E + E 20 H

SPARE HANDLE FOR CLUB HAMMERS

- Ash (E 20 E, E 9 E) or hickory (E 20 H, E 9 H)
- E 20 acc. to DIN 5135
- E 9 acc. to DIN 5112

for hammer	mm	kg	Code	No.
20-1000, 20-1250, 46-1000, 46-1250	260	0.151	**8633940**	E 20 E-1000
20-1500, 46-1500	280	0.131	**8634160**	E 20 E-1500
20-2000, 46-2000	300	0.178	**8634240**	E 20 E-2000
9-3, 10-3, 17-3, 20-3	600	0.400	**8613080**	E 9 E-3
9-4, 10-4, 17-4, 20-4	700	0.580	**8613160**	E 9 E-4
9-5, 9-6, 10-5, 10-6, 17-5, 17-6, 20-5, 20-6	800	0.730	**8613240**	E 9 E-5
9-8, 9-10, 17-8, 17-10, 20-8, 20-10	900	1.100	**8613400**	E 9 E-8

for hammer	mm	kg	Code	No.
20-1000, 20-1250	260	0.163	**8636880**	E 20 H-1000
20-1500	280	0.136	**8637180**	E 20 H-1500
20-2000	300	0.210	**8637260**	E 20 H-2000
9-3, 10-3, 17-3, 20-3	600	0.400	**8616500**	E 9 H-3
9-4, 10-4, 17-4, 20-4	700	0.630	**8616690**	E 9 H-4
9-5, 9-6, 10-5, 10-6, 17-5, 17-6, 20-5, 20-6	800	0.810	**8616770**	E 9 H-5
9-8, 9-10, 17-8, 17-10, 20-8, 20-10	900	0.960	**8616930**	E 9 H-8

20 F

CLUB HAMMER

- Forged head DIN 6475
- Nearly unbreakable fibreglass handle with plastic grip and secured head

g	mm	kg	Code	No.
1000	260	1.270	**8815620**	20 F-1000
1250	260	1.480	**8815700**	20 F-1250
1500	280	1.775	**8815890**	20 F-1500
2000	300	2.280	**8815970**	20 F-2000
3000	600	3.720	**8816000**	20 F-3
4000	700	4.750	**8866530**	20 F-4
5000	800	6.430	**8866610**	20 F-5
6000	800	7.098	**8866880**	20 F-6
8000	900	9.100	**8866960**	20 F-8

20 ST

CLUB HAMMER

- Forged head
- With steel tube handle and plastic grip
- Very robust and durable

g	mm	kg	Code	No.
1000	260	1.400	**8640800**	20 ST-1000
1250	260	1.570	**8640990**	20 ST-1250

21

SOFT FACE CAP for club hammers

for club hammer g	kg	Code	No.
1000	0.330	**8641960**	21-1000
1250	0.375	**8642180**	21-1250
1500	0.310	**8642260**	21-1500
2000	0.290	**8642340**	21-2000

GEDORE

9 GuStaV*

THE WORLD'S SAFEST HAMMER

*** GuStaV**
Gu = Rubber
Sta = Steel
V = Version

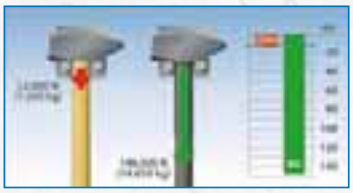
SAFE, ERGONOMIC, UNBEATABLE PRICE-PERFORMANCE RATIO

- Forged hammer head acc. to DIN 1193
- Two serrated gripping zones. Knurled, non-sliding! Equally easy to use with either short or long arms.
- Rubber handle reinforced inside with hardened steel tube.
- Stud-type handle and ergonomically adapted grip diameter.
- 900 mm handle length: 100 mm in excess of the DIN requirement - ensures more powerful strikes from the same force applied.

UNBEATABLE PRICE-PERFORMANCE RATIO

since the hammer is very durable

- Hammer head and steel tube form a keyed connection. A safety extra!
- The reinforcing bulge at the transition point from hammer handle to head ensures an even spread of forces throughout the hammer head.



NON-TAXING, FATIGUE-FREE WORKING

HIGHEST SAFETY

- since the hammer head is intractably fitted with the handle
- *since value DESIGNATED 1,200 kg (12,000 N) / value ACTUAL 9 GuStaV: 14,650* kg (145,500 N)*
- ***the test had to be stopped at this figure as the machine no longer had any "grappling point" due to the abraded rubber at the steel handle. The hammer head remained firmly fitted to the handle.***
- since a hardened steel tube is mounted in the handle. The result is an unbreakable hammer when correctly used.

ERGONOMIC

since optimum handle geometry

- 100 mm longer than the DIN requirement = greater impact power from the same force applied
- Stud at the end of the handle ensures that proper gripping handle
- The handle diameter is perfectly adjusted to the geometry of one's hand

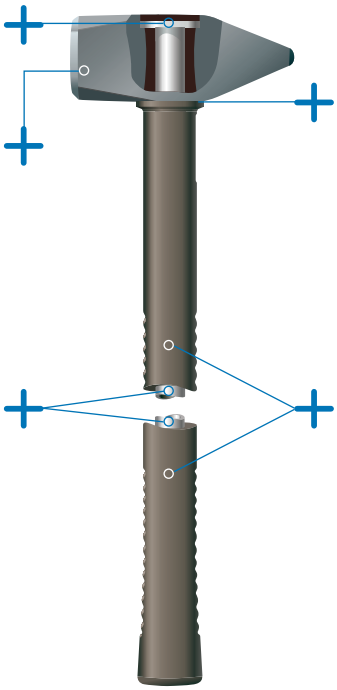
since low-on-vibration

- The keyed connection between hammer head and steel tube in the handle is rubber-jacketed. As a result, the rubber absorbs much of the vibration arising on impact.
- The rubber layer vulcanised on the handle provides an extremely low modulus of elasticity and, in turn, absorbs most of the remaining vibrations.
- Test findings: Ingenieurbüro für Ergonomie, 67824 Feilbingert: 9 GuStaV has the same positive vibration features as a comparable wooden-shaft hammer.

9 GUSTAV

SLEDGE HAMMER with rubber grip and steel tube handle

- Resilient, practically unbreakable, low-on-vibration hammer
- Forged hammer head acc. to DIN 1193
- Head ground and clear varnished
- Rubber handle reinforced inside with hardened steel tube
- Hammer head and steel tube form a keyed connection. A safety extra!
- Vibrations are absorbed by the rubber handle to the same extent as with wooden shafts
- 900 mm handle length: 100 mm in excess of the DIN requirement - ensures more powerful strikes from the same force applied
- Resistant to petrol and oil
- Two serrated gripping zones. Knurled, non-sliding! Equally easy to use with either short or long arms
- Stud-type handle and ergonomically adapted grip diameter
- The reinforcing bulge at the transition point from hammer handle to head ensures an even spread of forces in the hammer eye
- DBGM (= German Utility Patent)



g	mm	kg	Code	No.
5000	900	7.0	**2250128**	9 GuStaV-5

609 H

SLEDGE HAMMER ROTBAND-PLUS

- Forged hammer head DIN 1042
- Spare handles complete with steel sleeve, tapered collar, fixing plate and wood screw
- Hickory handle DIN 5112, with additional long and hardened steel sleeve
- Patented handle join, high working safety, long service life, best price-performance ratio

g	mm	kg	Code	No.
3000	600	3.755	**8673220**	609 H-3
3000	900	3.880	**8673300**	609 H-3-90
4000	700	4.940	**8673490**	609 H-4
4000	900	5.270	**8673570**	609 H-4-90
5000	800	6.035	**8673650**	609 H-5
5000	900	6.220	**8673730**	609 H-5-90
6000	800	7.045	**8673810**	609 H-6
6000	900	7.200	**8674030**	609 H-6-90
8000	900	9.185	**8674110**	609 H-8
10000	900	11.150	**8674380**	609 H-10

9 E + 9 H

SLEDGE HAMMER

- Forged hammer head DIN 1042
- With ash (9 E) or hickory handle (9 H) DIN 5112

g	mm	kg	Code	No.
3000	600	3.330	**8612000**	9 E-3
3000	900	3.450	**8809220**	9 E-3-90
4000	700	4.365	**8612190**	9 E-4
5000	800	5.535	**8612270**	9 E-5
5000	900	5.495	**8809650**	9 E-5-90
6000	800	6.590	**8612350**	9 E-6
8000	900	8.650	**8612430**	9 E-8
10000	900	10.560	**8612510**	9 E-10

g	mm	kg	Code	No.
3000	600	3.515	**8615370**	9 H-3
3000	900	3.705	**8812360**	9 H-3-90
4000	700	4.710	**8615450**	9 H-4
4000	900	5.040	**8812440**	9 H-4-90
5000	800	5.760	**8615530**	9 H-5
5000	900	5.800	**8812520**	9 H-5-90
6000	800	6.680	**8615610**	9 H-6
6000	900	6.795	**8812600**	9 H-6-90
8000	900	8.815	**8615880**	9 H-8
10000	900	10.895	**8615960**	9 H-10

E 609 H

SPARE HANDLE ROTBAND-PLUS

- Hickory handle DIN 5112
- Steel sleeve, fixing plate, tapered collar and wood screw
- For all hammer heads according to DIN 1042
- With this handle, every standard DIN hammer head can be converted to a ROTBAND-PLUS-sledge hammer

mm	kg	Code	No.
600	0.770	**8681750**	E 609 H-3
900	0.990	**8740510**	E 609 H-3-90
700	0.840	**8681910**	E 609 H-4
900	0.840	**8740780**	E 609 H-4-90
800	1.120	**8683530**	E 609 H-5
900	1.082	**8740860**	E 609 H-5-90
800	0.900	**8740350**	E 609 H-6
900	1.100	**8747950**	E 609 H-6-90
900	1.390	**8683610**	E 609 H-8
900	1.390	**8740430**	E 609 H-10

E 9 E + E 9 H

SPARE HANDLE

- Ash (E 9 E) or hickory (E 9 H)
- Acc. to DIN 5112
- Execution -90 = 90 cm handle

for hammer	mm	kg	Code	No.
9-3, 10-3, 17-3, 20-3	600	0.400	**8613080**	E 9 E-3
9-3, 9-4	900	0.660	**8784210**	E 9 E-3-90
9-4, 10-4, 17-4, 20-4	700	0.580	**8613160**	E 9 E-4
9-5, 9-6, 10-5, 10-6, 17-5, 17-6, 20-5, 20-6	800	0.730	**8613240**	E 9 E-5
9-5, 9-6	900	0.840	**8784480**	E 9 E-5-90
9-8, 9-10, 17-8, 17-10, 20-8, 20-10	900	1.100	**8613400**	E 9 E-8

for hammer	mm	kg	Code	No.
9-3, 10-3, 17-3, 20-3	600	0.400	**8616500**	E 9 H-3
9-3, 9-4	900	0.790	**8786180**	E 9 H-3-90
9-4, 10-4, 17-4, 20-4	700	0.630	**8616690**	E 9 H-4
9-5, 9-6, 10-5, 10-6, 17-5, 17-6, 20-5, 20-6	800	0.810	**8616770**	E 9 H-5
9-5, 9-6	900	0.700	**8786260**	E 9 H-5-90
9-8, 9-10, 17-8, 17-10, 20-8, 20-10	900	0.960	**8616930**	E 9 H-8

9 F

SLEDGE HAMMER

- Forged hammer head DIN 1042
- With practically unbreakable fibreglass handle, with secured head

g	mm	kg	Code	No.
3000	600	3.665	**8614130**	9 F-3
3000	900	3.955	**8820380**	9 F-3-90
4000	700	4.930	**8614210**	9 F-4
4000	900	5.050	**8820890**	9 F-4-90
5000	800	6.370	**8614480**	9 F-5
5000	900	6.420	**8820970**	9 F-5-90
6000	800	7.165	**8614560**	9 F-6
8000	900	9.280	**8614640**	9 F-8
10000	900	11.260	**8614720**	9 F-10

WT 1056 7

529

GEDORE INDIVIDUAL ... CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

BRICKLAYER'S HAMMERS

29 ST

BRICKLAYER'S HAMMER Rhineland pattern

- With steel tube handle and plastic grip
- Very robust and durable

g	mm	kg	Code	No.
500	270	0.790	**8657370**	29 ST

94 ST

BRICKLAYER'S HAMMER Berlin pattern

- With steel tube handle and plastic grip
- Very robust and durable

g	mm	kg	Code	No.
600	270	0.891	**8697240**	94 ST

93 ST

BUILDER'S HATCHET

- With steel tube handle and plastic grip
- Very robust and durable

g	mm	kg	Code	No.
600	300	0.909	**8696510**	93 ST

CARPENTER'S HAMMERS

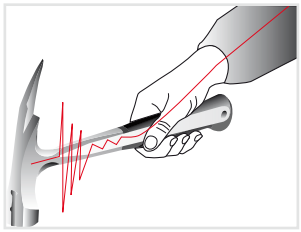
75 GSTM

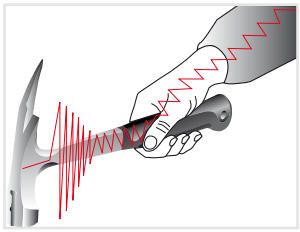
CARPENTER'S HAMMER

- Head and handle forged in one piece, nearly unbreakable
- Ergonomic, air-cushioned 2-component handle
- Optimum impact force - a result of its perfect balance
- Fatigue-free working due to the new anti-vibration system
- With straight-through shaft right to the end of the handle
- With magnetic nail holder

⊢mm⊣	kg	Code	No.
340	0.873	**1576143**	75 GSTM

- The anti-vibration system of the 75 GSTM and 71 GSTM allows safe, powerful hammer blows
- With conventional all-steel hammers, jarring vibrations are transmitted through to the user's arm on every impact





75 ST + 75 STM

CARPENTER'S HAMMER

Execution	g	⊢mm⊣	Handle length	kg	Code	No.
without magnet	600	317	300	0.760	**8688920**	75 ST
with magnet	600	317	300	0.835	**8689220**	75 STM

75 STK + 75 STKM

CARPENTER'S HAMMER

- With steel tube handle, plastic grip and secured head
- 75 STK without magnet
- 75 STKM with magnet
- Very robust and durable

Execution	g	⊢mm⊣	Handle length	kg	Code	No.
without magnet	600	317	300	0.839	**8692440**	75 STK
with magnet	600	317	300	0.847	**8813090**	75 STKM

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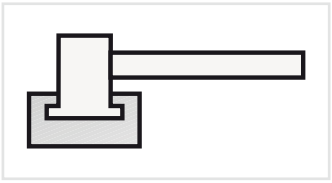
18 E

PAVING HAMMER SQUARE

- With welded plate and large vulcanised rubber block
- With ash handle
- Spare handle E 18 E



mm	Spare handle	kg	Code	No.
360	E 18 E	2.525	**8883700**	18 E

E 18 E

SPARE HANDLE

- Acc. to DIN 5111
- From ash
- With oval fixing hole

mm	kg	Code	No.
360	0.345	**8883890**	E 18 E

72 H

GLAZIERS HAMMER polished

- With hickory handle, steel sleeve and safety screw for a durable safe connection of handle and hammer head
- Spare handle E 72 H

g	mm	kg	Code	No.
100	300	0.212	**1541935**	72 H-100
	300	0.040	**1541730**	E 72 H-100

76 ST

GEOLOGIST'S HAMMER

- With very robust and durable steel tube handle with plastic grip
- Execution SCH with cutting edge
- Execution SP with pointed tip

Execution	g	mm	kg	Code	No.
with cutting edge	500	300	0.780	**8855330**	76 ST SCH
with pointed tip	500	300	0.770	**8855410**	76 ST SP

SCALING HAMMERS

677 H

SCALING HAMMER ROTBAND-PLUS

- Forged hammer head
- Contoured hickory handle DIN 5111 with additional long, hardened steel sleeve
- The sleeve, tapered collar, fixing plate and wood screw bond the hammer head and wood handle into one unit
- Patented handle join, high working safety, long service life, best price-performance ratio
- Spare handle E 677 H

g	mm	kg	Code	No.
300	300	0.450	**8671950**	677 H
	300	0.150	**1822357**	E 677 H-300

77 ST

SCALING HAMMER

- Acc. to DIN 5133
- With steel tube handle

g	kg	Code	No.
400	0.505	**8691390**	77 ST-400

77 E

SCALING HAMMER

- With ash handle DIN 5111
- Spare handle E 4 E

g	mm	kg	Code	No.
330	300	0.390	**8690900**	77 E-300
	300	0.099	**8588030**	E 4 E-300

41 E

SCALING HAMMER

- With ash handle DIN 5111
- Spare handle E 4 E

g	mm	kg	Code	No.
500	320	0.640	**8665390**	41 E-500
	320	0.160	**8588380**	E 4 E-500

GEDORE INDIVIDUAL … CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

Manufacturing process Recoilless hammer 248 ST

(1) Steel tube centre turned to length. Cover disk mounting bored inside. Sheet steel cover disk punched out, riveted with the locating bolt and welded on one side only. Handle cut to size.

(2) Centre filled with a precisely defined quantity of steel shot and seal-welded. Handle, radius integrally moulded.

(3) Brazing ensures that centre and handle are materially bonded. The soldering temperature is under the melting temperature of the parts to be joined. Only the solder (non-ferrous metal) is melted. The low soldering temperature ensures an absence of stress in the material. This prevents stress cracks detaching the centre from handle.

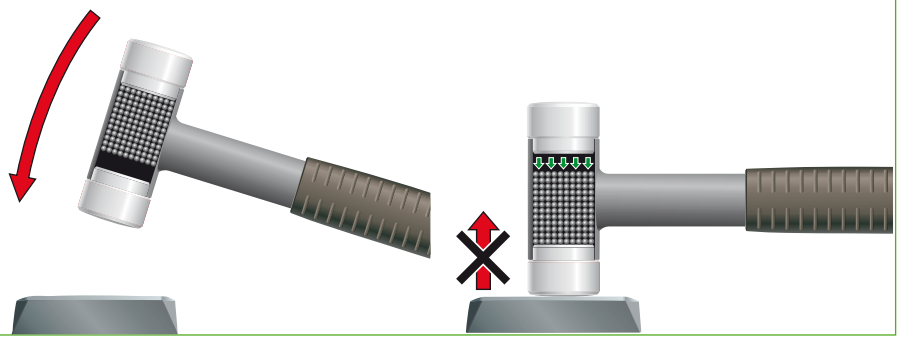
(4) Hammer silver powder-coated. GEDORE logo and GS symbol (VPA) tampon-printed. Polyamide hammer heads turned.

(5) Hammer heads pressed on and hand grip pushed on.

Function

Recoilless hammers

- The hollow hammer head is filled with steel shot. Small steel balls with a high carbon content.
- Workpiece "adhesion" and a "fully-felt" strike come from the practically 100% pulse transfer onto the workpiece.
- The impact (colloquial term for pulse) results principally from the kinetic energy of the fine-grained steel shot.
- The hammer head mass is slight compared to steel shot.
- That is why the counter pulse triggered by the hammer head is not felt.
- Bouncing blows are avoided.
- Goes easy on one's joints and tendons.



Your advantage:

- Due to the special filling insert in the hammer head a considerably higher impact is made compared to standard engineers' and recoilless hammers
- Universal use for service and assembly work, with all the advantages of a recoilless hammer with higher impact
- "Dead blows" with no recoil reduce stress on muscles, nerves and wrists
- Lower cost due to universal use as an engineer's and recoilless hammer
- Recoilless hammers protect sensitive surfaces
- Each blow is more effective than standard safety hammers
- Available with hickory, tubular steel or fibreglass handles
- Exchangeable inserts, resistant to breakage or wear, made of modified polyamide

RECOILLESS HAMMERS

248 H

RECOILLESS HAMMER

- With hickory handle
- Splinter-proof, shatter-proof and wear-resistant polyamide heads, 75 Shore D, tested to -20° C
- Powder-coated with silver hammer-effect enamel

∅ mm	⊢ mm ⊣	kg	Code	No.
25	305	0.300	**8728220**	248 H-25
30	330	0.470	**8868230**	248 H-30
35	335	0.590	**8868310**	248 H-35
40	360	0.730	**8868580**	248 H-40
45	365	0.870	**8868660**	248 H-45
50	370	1.020	**8868740**	248 H-50
60	370	1.650	**8868820**	248 H-60
70	370	2.330	**8728300**	248 H-70
80	880	4.270	**8728490**	248 H-80
100	1000	6.935	**8728570**	248 H-100

E 248 H

SPARE HANDLE HICKORY

⊢ mm ⊣	kg	Code	No.
280	0.062	**8739690**	E 248 H-25
300	0.120	**8739770**	E 248 H-30-35
320	0.140	**8739850**	E 248 H-40-45
320	0.180	**8739930**	E 248 H-50
310	0.210	**8740000**	E 248 H-60-70
800	0.680	**8740190**	E 248 H-80
900	1.100	**8740270**	E 248 H-100

248 F

RECOILLESS HAMMER

- Nearly unbreakable fibreglass handle with handy plastic grip and secured head
- Splinter-proof, shatter-proof and wear-resistant polyamide heads, 75 Shore D, tested to -20° C
- Powder-coated with silver hammer-effect enamel

∅ mm	⊢ mm ⊣	kg	Code	No.
25	290	0.400	**8724310**	248 F-25
30	305	0.550	**8867690**	248 F-30
35	310	0.730	**8867770**	248 F-35
40	315	0.780	**8867850**	248 F-40
45	320	0.940	**8867930**	248 F-45
50	325	1.120	**8868070**	248 F-50
60	335	1.680	**8868150**	248 F-60

248 ST

RECOILLESS HAMMER

- With very robust and durable steel tube handle
- Splinter-proof, shatter-proof and wear-resistant polyamide heads, 75 Shore D, tested to -20° C
- Powder-coated with silver hammer-effect enamel

∅ mm	⊢ mm ⊣	kg	Code	No.
25	270	0.440	**8724070**	248 ST-25
30	290	0.600	**8828950**	248 ST-30
35	295	0.700	**8829090**	248 ST-35
40	300	0.800	**8829170**	248 ST-40
45	305	0.950	**8829410**	248 ST-45
50	310	1.005	**8829250**	248 ST-50
60	335	1.800	**8829330**	248 ST-60
70	335	2.430	**8724150**	248 ST-70

248 KL

RECOILLESS IMPACT TOOL

- Splinter-proof, shatter-proof and wear-resistant polyamide heads, 75 Shore D, tested to -20° C
- Powder-coated with silver hammer-effect enamel

∅ mm	⊢ mm ⊣	kg	Code	No.
20	150	0.220	**8746980**	248 KL-20
25	154	0.310	**8747010**	248 KL-25
30	155	0.440	**8747280**	248 KL-30
35	155	0.610	**8747360**	248 KL-35
40	160	0.790	**8747440**	248 KL-40
45	160	1.010	**8747520**	248 KL-45
50	165	1.230	**8747600**	248 KL-50

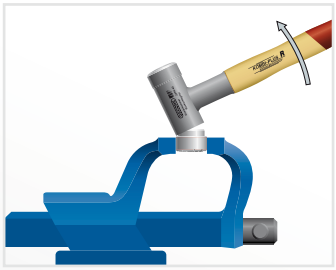
E 248

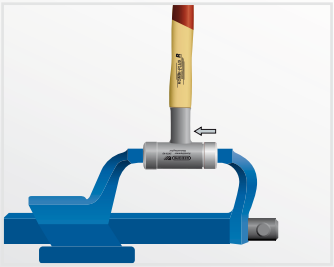
POLYAMIDE SPARE HEAD (PIECE)

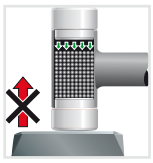
- Splinter-proof, shatter-proof and wear-resistant polyamide, 75 Shore D, tested to -20 °C

∅ mm	kg	Code	No.
20	0.010	**8747790**	E 248-20
25	0.010	**8747870**	E 248-25
30	0.015	**8830260**	E 248-30
35	0.021	**8830340**	E 248-35
40	0.031	**8830420**	E 248-40
45	0.040	**8829920**	E 248-45
50	0.050	**8830500**	E 248-50
60	0.090	**8830690**	E 248-60
70	0.130	**8748410**	E 248-70
80	0.190	**8748680**	E 248-80
100	0.350	**8748760**	E 248-100

KOMBI-PLUS R







247 H

COMBINATION HAMMER KOMBI-PLUS R

- Reduced expense due to versatile use as an engineer's and recoilless hammer
- Universal use for service and assembly work
- With all advantages of a recoilless hammer with higher impact
- Less energy necessary, easier working
- With exchangeable splinter-proof, shatter-proof and wear-resistant polyamide head (E 247), 75 Shore D, tested to -20 °C
- With hickory handle (E 247 H)
- DBGM (German utility patent)

∅ mm	⟷ mm ⟷	kg	Code	No.
30	305	0.460	**1603299**	247 H-30
35	310	0.690	**1603396**	247 H-35
40	330	0.840	**1687883**	247 H-40

SAFETY HAMMERS

224 E

PLASTIC HAMMER

- With exchangeable heads made from yellow shatter-proof cellulose acetate
- With ash handle
- 65 Shore D

∅ mm	⟷ mm ⟷	kg	Code	No.
22	250	0.157	**8821270**	224 E-22
27	270	0.242	**8821350**	224 E-27
32	280	0.365	**8821430**	224 E-32
35	290	0.445	**8821510**	224 E-35
40	320	0.600	**8821780**	224 E-40
50	340	0.913	**8821860**	224 E-50
60	380	1.392	**8821940**	224 E-60

E 247 H

SPARE HANDLE HICKORY KOMBI-PLUS R

- Ergonomically designed handle made from high-quality hickory
- Extremely bend resistant and fail safe

⟷ mm ⟷	kg	Code	No.
270	0.100	**1605313**	E 247 H-30
270	0.120	**1630709**	E 247 H-35
290	0.126	**1688014**	E 247 H-40

E 247

POLYAMIDE SPARE HEAD (PIECE) KOMBI-PLUS R

- Splinter-proof, shatter-proof and wear-resistant polyamide, 75 Shore D, tested to -20 °C

∅ mm	kg	Code	No.
30	0.021	**1605305**	E 247-30
35	0.034	**1605380**	E 247-35
40	0.040	**1688022**	E 247-40

E 224

PLASTIC SPARE HEAD

- From shatter-proof cellulose acetate
- 65 Shore D

∅ mm	kg	Code	No.
22	0.005	**8822590**	E 224-22
27	0.015	**8822670**	E 224-27
32	0.025	**8822750**	E 224-32
35	0.030	**8822830**	E 224-35
40	0.040	**8822910**	E 224-40
50	0.070	**8823050**	E 224-50
60	0.110	**8823130**	E 224-60

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E 224 E

SPARE HANDLE ASH for no. 224 E + 225 E

mm	kg	Code	No.
250	0.060	**8823210**	E 224 E-22
270	0.060	**8823480**	E 224 E-27
280	0.080	**8823560**	E 224 E-32
290	0.060	**8823640**	E 224 E-35
320	0.100	**8823720**	E 224 E-40
340	0.100	**8824290**	E 224 E-50
380	0.115	**8824370**	E 224 E-60

225 E

NYLON HAMMER

- With exchangeable heads made from impact-resistant nylon
- With ash handle
- 60 Shore D

∅ mm	mm	kg	Code	No.
22	250	0.160	**8805310**	225 E-22
27	270	0.250	**8805580**	225 E-27
32	280	0.350	**8805660**	225 E-32
35	290	0.420	**8805740**	225 E-35
40	320	0.580	**8805820**	225 E-40
50	340	0.900	**8805900**	225 E-50
60	380	1.340	**8806040**	225 E-60

E 225

NYLON SPARE HEAD

- From impact-resistant nylon
- 60 Shore D

∅ mm	kg	Code	No.
22	0.005	**8814220**	E 225-22
27	0.010	**8814300**	E 225-27
32	0.015	**8814490**	E 225-32
35	0.025	**8814570**	E 225-35
40	0.030	**8814650**	E 225-40
50	0.055	**8814730**	E 225-50
60	0.085	**8814810**	E 225-60

226 E

RUBBER MALLET hard

- DIN 5128-90, 90 Shore A
- With two flat surfaces
- **2 A** with one curved and one flat surface
- With ash handle

∅ mm	mm	mm	kg	Code	No.
40	80	260	0.210	**8825500**	226 E-0
55	90	320	0.370	**8825690**	226 E-1
65	115	340	0.630	**8825770**	226 E-2
65	115	340	0.578	**8825850**	226 E-2 A
75	130	380	0.990	**8825930**	226 E-3
90	140	380	1.150	**8826070**	226 E-4

227 E

RUBBER MALLET soft

- DIN 5128-60, 60 Shore A
- With two flat surfaces
- With ash handle

∅ mm	mm	mm	kg	Code	No.
55	90	320	0.320	**8826740**	227 E-1
65	115	340	0.540	**8826820**	227 E-2
75	130	380	0.770	**8827040**	227 E-3
90	140	380	1.050	**8827120**	227 E-4

E 226 E

SPARE HANDLE ASH for no. 226 E + 227 E

mm	kg	Code	No.
260	0.043	**8826230**	E 226 E-0
320	0.045	**8826310**	E 226 E-1
340	0.100	**8826580**	E 226 E-2
380	0.130	**8827200**	E 226 E-3
380	0.170	**8827390**	E 226 E-4

WOODEN / COPPER / LEAD HAMMERS

228

WOODEN MALLET

- Made from white beech wood
- Acc. to DIN 7462 A

∅ mm	|◂ mm ▸|	kg	Code	No.
70	340	0.470	**8828280**	228-70

229

WOODEN MALLET

- Head made from white beech wood with pressed steel holder
- With oval ash handle
- Acc. to DIN 7462 B

∅ mm	|◂ mm ▸|	kg	Code	No.
60	310	0.340	**8601230**	229-60
70	320	0.610	**8601310**	229-70

21 F

LIGHT METAL HAMMER

- Cylindrical pattern
- Nearly unbreakable fibreglass handle with plastic grip

∅ mm	g	|◂ mm ▸|	kg	Code	No.
40	250	300	0.440	**2015110**	21 F-250
45	500	320	0.710	**2015129**	21 F-500
60	1000	360	1.250	**2015137**	21 F-1000
70	1500	400	1.790	**2015145**	21 F-1500

622 H

COPPER HAMMER ROTBAND-PLUS

- Club shape
- With hickory handle DIN 5111, with additional long hardened handle protective steel sleeve
- Spare handle E 600 H / E 609 H
- The sleeve, tapered collar, fixing plate and wood screw bond the hammer head and wood handle into one unit
- Patented handle join, high working safety, long service life, best price-performance ratio
- Also available in a heavy 5 kg version

g	|◂ mm ▸|	kg	Code	No.
750	350	1.120	**8672410**	622 H-750
1000	360	1.468	**8672680**	622 H-1000
1500	380	2.075	**8672760**	622 H-1500
2000	400	2.300	**8672840**	622 H-2000
5000	800	6.150	**1985094**	622 H-5

|◂ mm ▸|	kg	Code	No.
350	0.210	**8589780**	E 600 E-800
360	0.288	**8589860**	E 600 E-1000
380	0.350	**8589940**	E 600 E-1500
400	0.377	**8593700**	E 600 E-2000
800	1.120	**8683530**	E 609 H-5

22 H

COPPER HAMMER

- Club shape
- Forged hammer head
- With hickory handle DIN 5111
- Spare handle E 4 H

g	|◂ mm ▸|	kg	Code	No.
250	300	0.316	**1583999**	22 H-250
500	320	0.715	**1584006**	22 H-500
750	350	1.050	**8867260**	22 H-750
1000	360	1.333	**8867340**	22 H-1000
1500	380	1.933	**8867420**	22 H-1500
2000	400	2.341	**8867500**	22 H-2000

|◂ mm ▸|	kg	Code	No.
300	0.085	**8591410**	E 4 H-200
320	0.120	**8591760**	E 4 H-400
350	0.210	**8592060**	E 4 H-800
360	0.225	**8592140**	E 4 H-1000
380	0.190	**8592220**	E 4 H-1500
400	0.280	**8592300**	E 4 H-2000

223 H

LEAD HAMMER

- Barrel shape, with end-to-end split pin
- With hickory handle DIN 5111
- Spare handle E 4 H

g	mm	kg	Code	No.
1000	310	1.160	**8820460**	223 H-1000
1500	350	1.840	**8820540**	223 H-1500

mm	kg	Code	No.
320	0.120	**8591760**	E 4 H-400
350	0.210	**8592060**	E 4 H-800

FORGING TOOLS

37 E

COLD CHISEL HAMMER

- For separating cold forgings
- With ash handle
- Spare handle E 37 E

mm	g	kg	Code	No.
600	1500	1.810	**8663850**	37 E-1500
600		0.270	**8663930**	E 37 E-1500

38 E

HOT CHISEL HAMMER

- For separating warm forge pieces
- With ash handle
- Spare handle E 37 E

mm	g	kg	Code	No.
600	1500	1.760	**8664310**	38 E-1500
600		0.270	**8663930**	E 37 E-1500

56 E

PUNCH HAMMER

- With ash handle
- Spare handle E 37 E
- Can be supplied with rebound-dampened tubular steel handle

∅ mm	mm	g	kg	Code	No.
10	600	850	1.010	**8679500**	56 E-10
15	600	1000	1.480	**8679690**	56 E-15
20	600	1470	1.770	**8679770**	56 E-20
	600		0.270	**8663930**	E 37 E-1500

BLACKSMITH'S TONGS

230

BLACKSMITH'S TONGS

- Flat nosed

1/4"

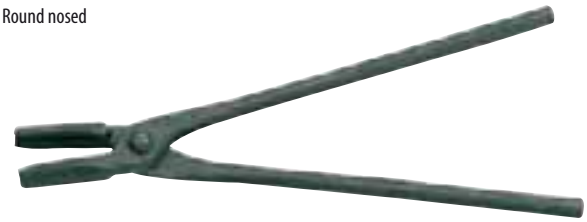
mm	for workpieces	kg	Code	No.	€ '14
300	6 mm	0.500	**8842510**	230-300	39.93
400	8 mm	0.860	**8842780**	230-400	51.28
500	10 mm	1.240	**8842860**	230-500	65.22
600	14 mm	1.710	**8842940**	230-600	90.79

231

BLACKSMITH'S TONGS

- Round nosed

1/2"



mm	for workpieces	kg	Code	No.	€ '14
400	12 mm	0.870	**8843590**	231-400	54.16
500	16 mm	1.220	**8843670**	231-500	68.81

233

BLACKSMITH'S TONGS

- Wolf's jaw

3/8"

mm	for workpieces	kg	Code	No.	€ '14
300	6 mm	0.610	**8845100**	233-300	51.57
400	8 - 10 mm	0.930	**8845290**	233-400	70.39
500	12 mm	1.320	**8845370**	233-500	82.02

SCRAPERS

130

THREE-EDGED BEARING SCRAPER

- Made from special steel
- Working ends polished
- With wooden handle
- Flanged blade

Spoon	mm	mm	kg	Code	No.
70	150	270	0.136	**8777350**	130-150
85	200	315	0.171	**8777430**	130-200

131

CURVED BEARING SCRAPER (LONG SCRAPER) American pattern

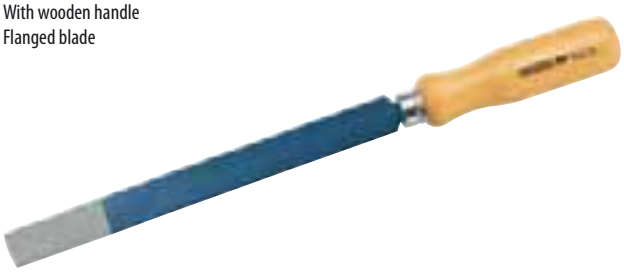
- Made from special steel
- Working ends polished
- With wooden handle
- Flanged blade

Spoon	mm	mm	kg	Code	No.
85	200	315	0.100	**8778320**	131-200

133 F

FLAT SCRAPER

- Acc. to DIN 8350 Form A
- Made from special steel
- Working ends polished
- With wooden handle
- Flanged blade



mm	mm	kg	Code	No.
150	270	0.190	**8780490**	133 F-150
200	315	0.234	**8780650**	133 F-200
250	365	0.390	**8780730**	133 F-250

133 H

HARD METAL TIP FLAT SCRAPER

- Soldered hard metal tip
- Wooden handle

mm	mm	mm	mm	kg	Code	No.
30	5	250	365	0.350	**4523000**	133 H

133 D

GASKET SCRAPER

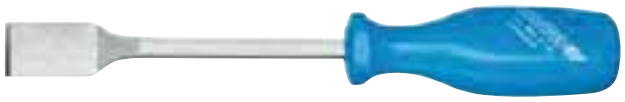
- Made from special steel
- With wooden handle
- Flanged blade

mm	mm	kg	Code	No.
150	260	0.120	**1395262**	133 D-150

133 K

GASKET SCRAPER

- With plastic handle



"inch	mm	mm	kg	Code	No.
10	240	22.5	0.154	**6535190**	133 K

132

THREE-EDGED HOLLOW GROUND SCRAPER

- Acc. to DIN 8350 Form C
- Made from special steel
- Working ends polished
- With wooden handle
- Flanged blade

mm	mm	kg	Code	No.
150	270	0.100	**8779130**	132-150
200	315	0.163	**8779480**	132-200
250	365	0.185	**8779560**	132-250

SAFETY INSTRUCTION FOR SCRAPERS

Do not touch the sharp working edges.

134

THREE-EDGED FLAT GROUND SCRAPER

- Acc. to DIN 8350 Form B
- Made from special steel
- Working ends polished
- With wooden handle
- Flanged blade

mm	mm	kg	Code	No.
100	200	0.072	**8781620**	134-100
150	270	0.139	**8781890**	134-150
200	315	0.168	**8782000**	134-200

134 K

THREE-SQUARE SCRAPER

- With ground edges
- Shaft PVC coated
- Black plastic handle

mm	mm	mm	kg	Code	No.
6	80	170	0.060	**4646860**	134 K

Striking Tools

What is so special about GEDORE striking tools?

- The striking thing about GEDORE striking tools is the 45CrMoV7 material used - one which has a 30 % higher strength (under the same hardness) that the usual DIN 59CrV4 material This very much distinguishes GEDORE striking tools from the products of its competitors. This is very true indeed for nail lifters.
- The material (45CrMoV7) used by GEDORE is a pure air-hardening steel which hardens at a temperature of about 850 °C in still air. This material features both a high level of stability and enormous toughness. Tools cannot break even under the hardest of working conditions.
- GEDORE pin punches always have a minus tolerance. This rules out any jamming in the drill hole.
- All tools are fully hardened over their entire length. Tools cannot break even under the hardest of working conditions.
- The hammer heads of our tools are electro-inductively and hence homogeneously tempered. In this way, maximum stability is achieved and splintering avoided.
- The head shape of the GEDORE striking tools is optimally adapted to the radius of the hammer face.

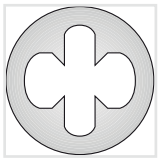
SAFETY NOTES FOR STRIKING TOOLS 633

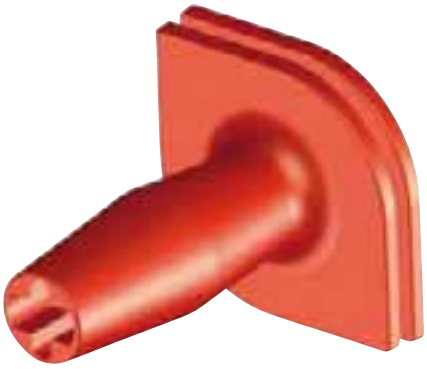
922 531

108 UNI

PROTECTIVE HAND GUARD

- Made from PVC
- Improved protective plate offers highest safety for the hand against impacts
- Ergonomic design
- Avoids injuries of the hand
- No rolling away (elliptical-shaped)
- Jarring blows do not move into the hand
- No fatigue of the hand - optimum hold
- All chisels from 250 mm length can be supplied with universal protective hand guard (HS)
- DBGM (German utility patent)



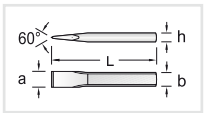


oval	octagonal	kg	Code	No.
20 x 12	14	0.182	**8658500**	108 UNI
23 x 13	16			
26 x 13	18			
26 x 7	20			

95

FLAT COLD CHISEL flat oval

- Acc. to DIN 6453
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished
- * not standardised

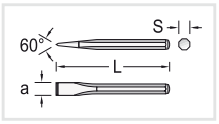


L	*	a	b	h	kg	Code	No.
100		15	14	9	0.075	**8698560**	95-100
125		15	14	9	0.100	**8698640**	95-125
150		18	17	11	0.190	**8698720**	95-150
175		21	20	12	0.280	**8698800**	95-175
200		24	23	13	0.390	**8698990**	95-200
225	*	24	23	13	0.460	**8699610**	95-225
250		25	23	13	0.500	**8699020**	95-253
250	*	28	26	13	0.570	**8699100**	95-250
300		26	23	13	0.604	**8699290**	95-303
300	*	30	26	13	0.710	**8699370**	95-300
400	*	30	26	13	0.950	**8699450**	95-400
500	*	30	26	13	1.160	**8699530**	95-500

97

FLAT COLD CHISEL octagonal

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished



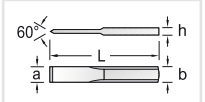
L	a	s	kg	Code	No.
125	12	10	0.069	**8703820**	97-125
150	16	12	0.130	**8703900**	97-150
175	20	16	0.270	**8704040**	97-175
200	22	18	0.380	**8704120**	97-200
250	24	20	0.406	**2004666**	97-250

1500 ES-350 104

104

SPLITTING CHISEL flat

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Forged
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished
- 104 HS with protective hand guard 108 UNI
- 104 P with plastic grip

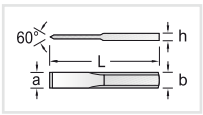


L	a	b	h	kg	Code	No.
240	26	26	7	0.260	**8723850**	104
240	26	26	7	0.290	**8724230**	104 P
240	26	26	7	0.400	**8723930**	104 HS

2104

SPLITTING CHISEL extra flat

- Chrome-vanadium steel
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edges polished and clear varnished

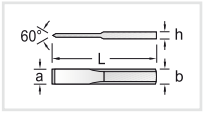


L	a	b	h	kg	Code	No.
240	26	26	4	0.198	**8911420**	2104

103

BRICK CUTTING CHISEL flat oval

- With broad blade to chisel joints into walls, plaster, tiles, etc.
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered

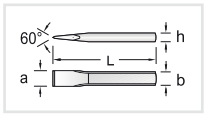


L	a	b	h	kg	Code	No.
250	50	26	13	0.532	**8723420**	103-50
250	60	26	13	0.557	**8723500**	103-60
250	80	26	13	0.558	**8723690**	103-80

109

BRICKLAYER'S CHISEL flat oval

- Acc. to DIN 7254 Form A
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished

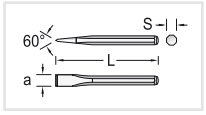


L	a	b	h	kg	Code	No.
200	26	20	12	0.320	**8728650**	109-200
250	26	20	12	0.400	**8728730**	109-250
300	29	23	13	0.610	**8728810**	109-300
350	29	23	13	0.710	**8729030**	109-350
400	29	23	13	0.830	**8729110**	109-400
500	32	26	13	1.180	**8729380**	109-500
600	32	26	13	1.410	**8729460**	109-600

110

BRICKLAYER'S CHISEL octagonal

- Acc. to DIN 7254 Form B
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished
- * not standardised

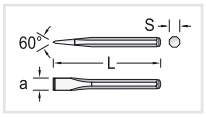


L	*	a	s	kg	Code	No.
200		23	16	0.300	**8731280**	110-216
250		23	16	0.390	**8731440**	110-256
300	*	23	16	0.460	**8731600**	110-316
300		26	18	0.600	**8731790**	110-318
350		26	18	0.700	**8731870**	110-358
400	*	26	18	0.810	**8731950**	110-418
400		30	20	0.990	**8732090**	110-420

110 HS

BRICKLAYER'S CHISEL octagonal

- Acc. to DIN 7254 Form B
- With protective hand guard 108 UNI
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished
- * not standardised

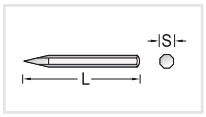


L	a	s	kg	Code	No.
250	23	16	0.510	**8732680**	110 HS-256
300	26	18	0.720	**8733140**	110 HS-318

111

POINT CHISEL octagonal

- Acc. to DIN 7256
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished, free of burrs

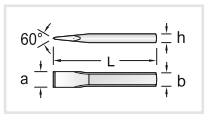


L	s	kg	Code	No.
200	16	0.290	**8741080**	111-216
250	16	0.370	**8741240**	111-256
300	16	0.444	**8741400**	111-316
300	18	0.576	**8741590**	111-318
350	18	0.670	**8741670**	111-358
400	18	0.775	**8741750**	111-418
400	20	0.955	**8741830**	111-420

112

ELECTRICIANS' CHISEL square

- Chrome-vanadium steel
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished

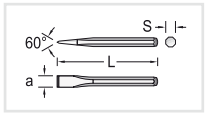


L	a	b	kg	Code	No.
200	6	6	0.054	**8744500**	112-2006
200	8	6	0.054	**8744690**	112-2008
200	10	7	0.073	**8744770**	112-2100
250	8	6	0.068	**8744930**	112-2508
250	10	7	0.091	**8745070**	112-2510
250	12	8	0.119	**8745150**	112-2512
300	15	10	0.227	**8745310**	112-3000

112 A

ELECTRICIANS' CHISEL octagonal

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished



L	a	s	kg	Code	No.
250	12	10	0.152	**8745900**	112 A-250
300	15	12	0.264	**8746040**	112 A-300

112 S

ELECTRICIANS' SPLITTING CHISEL

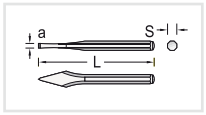
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished

L	a	b	kg	Code	No.
200	26.8	46	0.228	**8746550**	112 S

98

CROSS-CUT CHISEL octagonal

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished

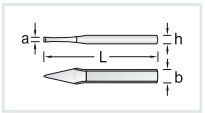


L	a	s	kg	Code	No.
125	5	10	0.066	**8704630**	98-125

96

CROSS-CUT CHISEL flat oval

- Acc. to DIN 6451
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished

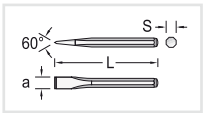


L	a	b	h	kg	Code	No.
125	5	14	9	0.098	**8702180**	96-125
150	6	17	11	0.170	**8702260**	96-150
175	7	17	11	0.210	**8702340**	96-175
200	8	20	12	0.290	**8702420**	96-200
250	9	23	13	0.530	**8702500**	96-250

202

TILE CHISEL flat

- Chrome-vanadium steel 59CrV4
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished



L	a	s	kg	Code	No.
100	10	7	0.033	**8879430**	202-100

GEDORE INDIVIDUAL … CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

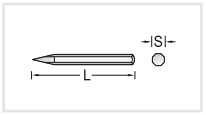
- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

203

TILE CHISEL pointed

- Chrome-vanadium steel 59CrV4
- Driving point polished and clear varnished

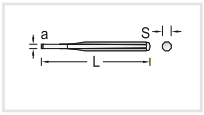


L	s		Code	No.
100	7	0.032	**8880280**	203-100

128

PARING CHISEL octagonal

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished

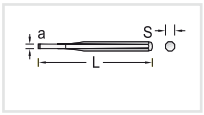


L	a	s	kg	Code	No.
120	2	10	0.070	**8775650**	128-2
120	3	10	0.067	**8775730**	128-3

129

GROOVING CHISEL octagonal

- Acc. to DIN 6455
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished



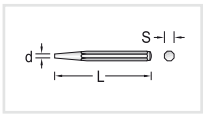
L	a	s	kg	Code	No.
150	3	10	0.070	**8776460**	129-3
150	4	10	0.074	**8776540**	129-4
150	5	10	0.080	**8776620**	129-5
150	6	10	0.084	**8776700**	129-6

DRIFT / CENTRE / PIN PUNCHES

99

DRIFT PUNCH octagonal

- Acc. to DIN 6458
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished
- Special types or sizes on request
- * not standardised

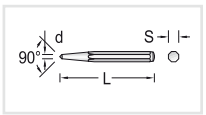


d	*	L	s	kg	Code	No.
1		120	10	0.060	**8708700**	99 10-1
2		120	10	0.061	**8708970**	99 10-2
3		120	10	0.063	**8709190**	99 10-3
4		120	10	0.065	**8709350**	99 10-4
5		120	10	0.063	**8709510**	99 10-5
3		120	12	0.088	**8710950**	99 12-3
4		120	12	0.086	**8711170**	99 12-4
5		120	12	0.091	**8711330**	99 12-5
6		120	12	0.094	**8711410**	99 12-6
7		120	12	0.096	**8711680**	99 12-7
8		120	12	0.099	**8711760**	99 12-8
10	*	120	12	0.103	**8711920**	99 12-10
10		150	12	0.136	**8713970**	99 15-10
12	*	150	14	0.181	**8714430**	99 15-12
14	*	150	16	0.238	**8714940**	99 15-14

100

CENTRE PUNCH

- Acc. to DIN 7250
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished
- * not standardised



d	*	L	s	kg	Code	No.
4		120	10	0.063	**8721050**	100-10
5		120	12	0.091	**8721130**	100-12
5		150	12	0.119	**8721210**	100-15
8	*	150	16	0.216	**8721480**	100-16

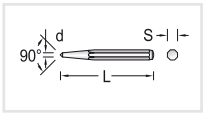
1500 CT1-350

110

100 A

CENTRE PUNCH with carbide tip

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7



L	s	d	kg	Code	No.
120	10	4	0.063	**8721720**	100 A-10
130	12	4	0.089	**1568396**	100 A-12

101

AUTOMATIC CENTRE PUNCH with tip

- For one hand operation
- With spring mechanism
- Impact power can be set by a screw thread
- With hand protection for comfortable and safe working
- Spare tip E 101

L	s	d	kg	Code	No.
145	16	4	0.145	**8722880**	101
		4	0.010	**8870800**	E 101

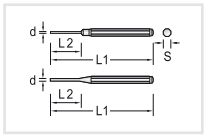
922

531

119

PIN PUNCH

- Acc. to DIN 6450
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished
- No. 119-175 with pilot
- Special types or sizes on request
- * not standardised



d	*	L_1	L_2	s	kg	Code	No.
1.5	*	110	30	8	0.061	**2004658**	119-1,5
2.0		150	30	10	0.070	**8758640**	119-2
2.5	*	150	30	10	0.069	**8758720**	119-2,5
3.0		150	40	10	0.071	**8758800**	119-3
3.5	*	150	40	10	0.072	**8758990**	119-3,5
4.0		150	50	10	0.061	**8759020**	119-4
4.5	*	150	50	10	0.065	**8856220**	119-4,5
5.0		150	50	10	0.068	**8759290**	119-5
6.0		150	50	10	0.073	**8759370**	119-6
7.0	*	150	50	12	0.103	**8759450**	119-7
8.0		150	50	10	0.109	**8759530**	119-8
9.0	*	150	50	12	0.115	**8759610**	119-9
10.0		150	50	12	0.123	**8759880**	119-10
12.0		150	50	14	0.170	**8759960**	119-12
14.0		180	80	16	0.237	**8859670**	119-14
6.0		175	85	10	0.070	**8761350**	119-175

114

PIN PUNCH with guide sleeve

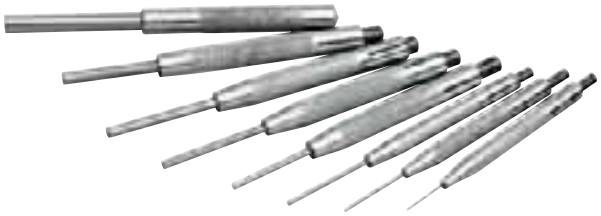
- Driving point made from material 115CrV3, hardened 55 - 59 HRC
- Shank knurled
- Fine grinded and polished

d	L	kg	Code	No.
0.9	80	0.006	**8755460**	114-09
1.4	85	0.012	**8755540**	114-14
1.8	88	0.012	**8755620**	114-18
2.4	92	0.018	**8755700**	114-24
2.8	96	0.020	**8755890**	114-28
3.4	96	0.026	**8755970**	114-34
3.9	100	0.026	**8756000**	114-39
5.9	100	0.032	**8756190**	114-59

115

PIN PUNCH SET 8 pieces

- In metal case with lid
- With movable guide sleeve, -59 with fix guide sleeve
- Driving point made from material 115CrV3, hardened 55 - 59 HRC
- Shank knurled
- Fine grinded and polished



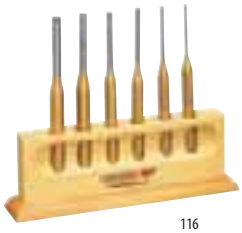
Contents	kg	Code	No.
114-09 -14 -18 -24 -28 -34 -39 -59	0.350	**8756780**	115

SETS

116 A - 116 L

PIN PUNCH SET 6 pieces

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished
- 116 L = long pattern



116

116 D

116 L

116 A

Contents	Execution	kg	Code	No.
119-3 -4 -5 -6 -7 -8	wooden stand	0.714	**8757240**	116
119-3 -4 -5 -6 -7 -8	metal case with lid	0.820	**8758050**	116 D
119-3 -4 -5 -6 -7 -8	PVC holder	0.530	**8757670**	116 A
119-2 -3 -5 -175 -175-4 -175-6	PVC holder	0.475	**8839990**	116 L

119 L

PIN PUNCH SET 6 pieces

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished
- In PVC holder
- Long pattern 175 mm

Contents	Execution	kg	Code	No.
119-175-4 175-5 175-6 175-7 175-8 175-10	PVC holder	0.580	**8866290**	119 L

113 - 113 D

DRIFT PUNCH SET 6 pieces

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished

113

113 D

Contents	Execution	kg	Code	No.
99 10-1 2 3 **99 12-4 5** **100-10**	PVC holder	0.460	**8753680**	113
99 10-1 2 3 **99 12-4 5** **100-10**	metal case with lid	0.755	**8754060**	113 D

106 - 106 D

CHISEL AND PUNCH SET 6 pieces

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished

106

106 D

Contents	Execution	kg	Code	No.
97-125 150 **98-125** **99 12-3** **100-10** **119-4**	PVC holder	0.525	**8725200**	106
97-125 150 **98-125** **99 12-3** **100-10** **119-4**	Metal case with lid	0.805	**8725710**	106 D

102

CHISEL AND PUNCH SET 6 pieces

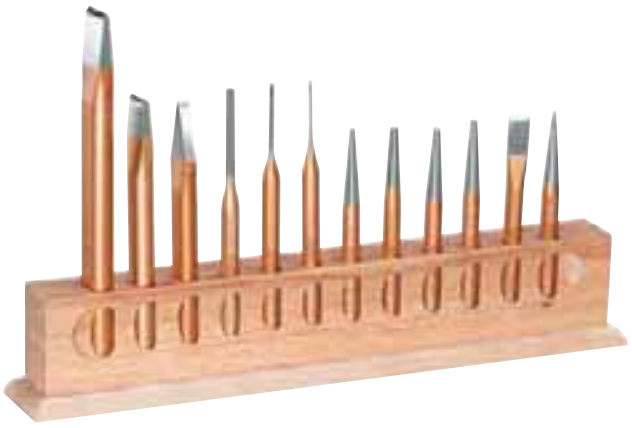
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished
- In wooden stand

Contents	kg	Code	No.
97-125 150 **98-125** **99 12-3** **100-10** **119-4**	0.695	**8723340**	102

107

CHISEL AND PUNCH SET 12 pieces

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished
- In wooden stand



Contents	kg	Code	No.
95-150 200 **96-150** **97-125** **99 10-2 3 4 5** **100-10** **119-2 3 5**	2.075	**8726440**	107

206

TILER'S SETTING TOOL

- Chrome-vanadium steel 59CrV4
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished

⟷ mm ⟷	■ mm	kg	Code	No.
150	8	0.070	**8880600**	206-150

90 HS

RIVET SETTER octagonal

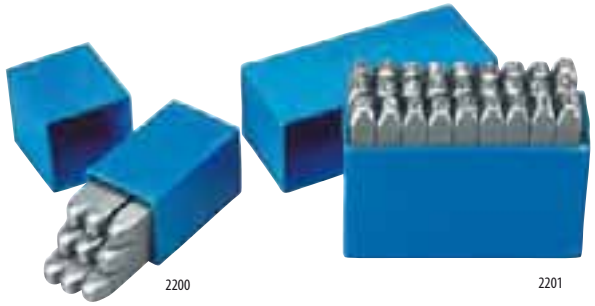
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7, zinc-plated
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- With black protective hand guard for safe comfortable working

L	s	kg	Code	No.
170	18	0.488	**8885830**	90 HS-4
170	18	0.488	**8886130**	90 HS-6

2200 - 2201

LETTER AND NUMBER PUNCHES

- To label finished parts such as signs, tools, etc.
- Made from hardened steel with hardened handle and tempered striking head
- In blue plastic box
- No. 2200 = 9 numbers, 6 mm printing height
- No. 2201 = 27 letters (A - Z, &), 6 mm printing height



2200 2201

⟷ mm ⟷	■ mm	kg	Code	No.
70	9	0.415	**8605140**	2200-6
70	9	1.240	**8605220**	2201-6

208

CARBIDE SCRIBER hexagonal

- Chrome-vanadium steel 59CrV4
- Nickel-plated

⟷ mm ⟷	■ mm	kg	Code	No.
150	6	0.040	**8881680**	208-150

126

RIVETTING SETTER

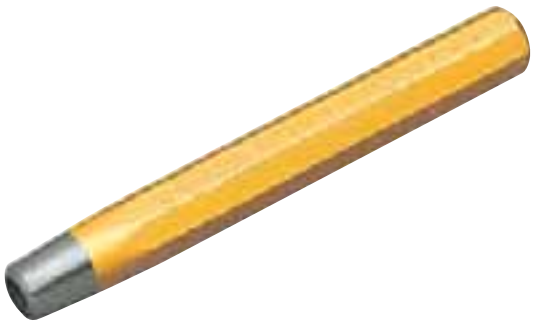
- Acc. to DIN 6434
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Working edge polished and clear varnished

for rivet shaft Ø mm	internal Ø	L	s	kg	Code	No.
2	2.5	100	10	0.063	**8774090**	126-2
3	3.5	100	10	0.061	**8774170**	126-3
4	4.5	100	12	0.081	**8774250**	126-4
5	6.0	110	12	0.132	**8774330**	126-5
6	7.0	110	14	0.130	**8774410**	126-6
8	9.0	120	16	0.185	**8774680**	126-8

127

RIVETTING SNAP DIE

- Acc. to DIN 6435
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Working edge polished and clear varnished



for rivet shaft Ø mm	internal Ø	L	s	kg	Code	No.
2	3.5	100	10	0.062	**8775060**	127-2
3	5.2	100	10	0.063	**8775140**	127-3
4	7.0	100	12	0.090	**8775220**	127-4
5	8.8	110	14	0.133	**8775300**	127-5
6	10.5	110	16	0.173	**8775490**	127-6
8	14.0	120	20	0.326	**8775570**	127-8

125 B

SET OF RIVETTING SETTERS AND SNAP DIES 6 pieces

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Hardened in accordance with the technical specifications for striking tools to DIN 7255
- Working edge polished and clear varnished
- In PVC holder

Contents	kg	Code	No.
126-2 3 4	0.470	**8773600**	125 B
127-2 3 4			

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Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU.**
- Your problems are our assignments.
- Simply contact us !

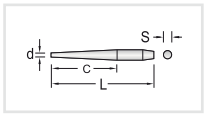
COAT FORGE MOD RAL SIZE

BENDING BARS / PRYBARS

135

SETTING PUNCH

- Chrome-vanadium steel 59CrV4
- Hardened and tempered along the full length
- Special sizes available on request

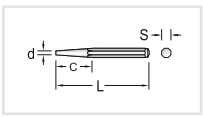


d	L	c	s	kg	Code	No.
5	180	110	12	0.110	**8782350**	135-5
6	200	120	13	0.150	**8782430**	135-6
8	200	130	16	0.225	**8782510**	135-8
9	200	130	20	0.340	**8782780**	135-9
10	230	140	22	0.490	**8782860**	135-10
11	250	155	25	0.620	**8782940**	135-11
12	280	170	27	0.890	**8783080**	135-12
14	315	190	30	1.250	**8783160**	135-14
15	340	200	32	1.570	**8783240**	135-15
16	380	220	36	2.190	**8783320**	135-16

136-500

TAPER PUNCH octagonal

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length

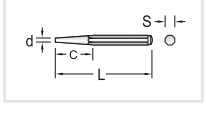


L	c	d	s	kg	Code	No.
500	170	5	20	1.050	**8783400**	136-500

137-600

BENDING BAR

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length



L	c	d	s	kg	Code	No.
600	120	5	20	1.305	**8783590**	137-600

138-400

BENDING TOOL hexagon

- Chrome-vanadium air hardening steel 59CrV4, nickel-plated
- Carefully hardened and tempered along the full length

⟷ mm ⟷	mm	d	kg	Code	No.
400	23	17	0.645	**1396609**	138-400

141

PRYBAR

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7, chromated
- Hardened along the full length
- With plastic handle
- Very robust and resilient

⟷ mm ⟷	mm	Ø	kg	Code	No.
300	11	10	0.230	**1471945**	141-300
390	13	12	0.390	**1471937**	141-390
600	20	14	0.785	**1471929**	141-600

139-400

PRYBAR

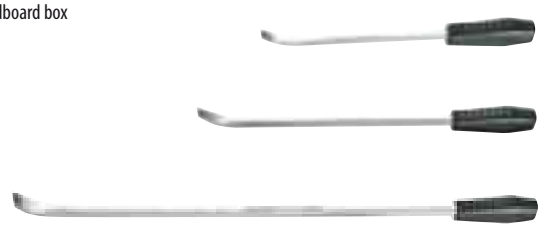
- Chrome-vanadium-steel 31CrV3, nickel-plated

⟷ mm ⟷	Ø	kg	Code	No.
400	14	0.480	**1396595**	139-400

S 141-3

PRYBAR SET 3 pieces

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7, chromated
- Hardened along the full length
- With plastic handle
- Very robust and resilient
- Packed in cardboard box



Contents	kg	Code	No.
141-300 390 600	1.474	**1525476**	S 141-3

140-380

UNIVERSAL PRYBAR

- Made from special steel, hardened
- Cutting edge polished
- With three nail pullers

⟷ mm ⟷	mm	kg	Code	No.
380	42	0.650	**8894310**	140-380

142-430

ALUMINIUM PRYBAR

- Forged of high-class aluminium
- Extremely light and very robust
- For universal use - with pry and tip
- Sensitive parts can be levered gently

⟷ mm ⟷	mm	kg	Code	No.
430	26	0.405	**1859188**	142-430

NAIL LIFTER / CROWBARS

120

WRECKING BAR hexagon

- Made from special steel
- Working edges carefully hardened and tempered

mm	hexagonal	kg	Code	No.
350	18	0.840	**8769330**	120-350
500	18	1.150	**8769410**	120-500
600	18	1.355	**8769680**	120-600
700	18	1.550	**8769760**	120-700
800	18	1.770	**8769840**	120-800
1000	18	2.175	**8769920**	120-1000

122

CROWBAR

- With straight cutting edge and point

mm	Ø	kg	Code	No.
1000	30	5.2	**8770500**	122-1000
1500	30	8.2	**8770770**	122-1500

123

CROWBAR

- With curved cutting edge and point

mm	Ø	kg	Code	No.
1000	30	5.3	**8771230**	123-1000
1500	30	8.2	**8771580**	123-1500

124

CROWBAR

- With claw and point

mm	Ø	kg	Code	No.
1000	30	5.2	**8772040**	124-1000
1500	30	8.2	**8772200**	124-1500

151

CROWBAR

- Heavy-duty model
- With round head and cutting edge

mm	Ø	kg	Code	No.
1500	30	8.4	**8824880**	151-1500

921 531

Out of the forge ...
... and into the forest

1.

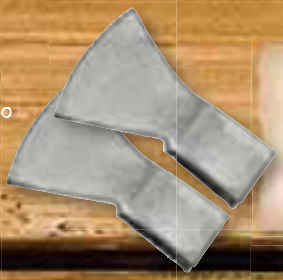
The forged blanks are sawn off from rolled C60 tempering steel.

2.

The red-hot blank is shaped on a forging press and the hole is made for the eye. Excess burring is removed.

3.

The glowing blade is beaten out on the forging roll.

4. 

Final shaping under the forging hammer. Trimming excess material and rough-grinding the axe.

5.

Permanent marking by means of a stamp bearing the manufacturer's symbol. Tempering (hardening and tempering) the cutting edge ensures hardness and toughness.

6.

Sand-blasting the surface. Fine-grinding the cutting edge. A crowned cut increases stability. Transparent varnish protects the axe head from corrosion.

7.

Inserting and clamping the handle. The triple clamp provided by one wooden wedge and two ring wedges ensures a lasting and safe connection.

OCHSENKOPF

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Forestry and carpentry tools
"Made in Germany" since 1781

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Technical Symbols

- Weight (total)
- Length (total)
- Length (total)
- Length of blade
- Diameter (also dia. of head, of shaft, of points)
- Thread size, connection thread
- Screw dimension (type of thread)
- Square drive (external)
- Hexagon drive (external)
- Depth of opening / Clamping width / Clamping range
- Jaw width / tape width
- File profile flat
- File profile three-edged
- File profile round
- File profile half-round
- File profile square
- new
- Catalogue page

Special Tools

Files 516

Saws 517

Parallel Vices 518

Measuring Tools 518 – 520

Thread Workings 521 – 523

Various 523

Industrial Cutlery 524 – 527

at work 528 – 531

8729

CONTACT FILE

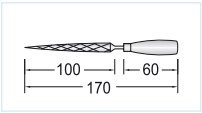
- In blue PVC tear-off wallet

"inch	mm	Cut	kg	Code	No.
6	150	2	0.009	**6771080**	8729

8728

KEY FILE SET 6 pieces

- Acc. to DIN 7283
- In blue plastic wallet



5 types	Cut	kg	Code	No.
■ ▲ ● ◡ ■	2	0.150	**6771910**	8728

8701

HAND FILE

- PVC handle
- DIN 7261, Form A
- Cut: 2

L	L"	W	H	Cut	kg	Code	No.
150	6	16	4	2	0.096	**6768020**	8701 2-6
200	8	20	5	2	0.183	**6768100**	8701 2-8
250	10	25	6	2	0.323	**6768290**	8701 2-10

8719

TRIANGULAR FILE

- PVC handle
- DIN 7261, Form C
- 2-6 = not standardised
- Cut: 2

L	L"	W	Cut	kg	Code	No.
150	6	10	2	0.081	**6769260**	8719 2-6
200	8	14	2	0.177	**6769340**	8719 2-8
250	10	17	2	0.304	**6769420**	8719 2-10

8722

ROUND FILE

- PVC handle
- DIN 7261, Form F
- Cut: 2

Ø	Cut	L	L"	kg	Code	No.
6.0	2	150	6	0.057	**6770000**	8722 2-6
7.5	2	200	8	0.112	**6770190**	8722 2-8
9.5	2	250	10	0.186	**6770270**	8722 2-10

8725

HALF-ROUND BLUNT FILE

- PVC handle
- DIN 7261, Form E
- Cut: 2

L	L"	W	H	Cut	kg	Code	No.
150	6	16	4.5	2	0.091	**6770350**	8725 2-6
200	8	20	6.0	2	0.170	**6770430**	8725 2-8
250	10	25	7.0	2	0.285	**6770510**	8725 2-10

8730

DEBURRER

- A valuable helper for removing burr on a wide range of different materials
- The small, free-turning deburring knife adjusts to the contour of the workpiece and removes burr
- Consisting of:
- 676 Driving handle
- 699 Bit holder
- E-8730 Deburrer bit 1/4" hex

Description	kg	Code	No.
Deburrer	0.090	**2190907**	8730
Deburrer bit 1/4" hex	0.005	**2190915**	E-8730

SAWS

401

SMALL SAW FOR METAL

- Mini-hacksaw, bright nickel-plated
- Saw blade 401 A

Description	mm	inch	kg	Code	No.
Small saw for metal	350	13.3/4	0.226	**6500050**	401
Saw blade	200		0.012	**5500000**	401 A

402

KEYHOLE SAW

- Metal handle with two replaceable saw blades: one for metal (402 A), one for wood (402 B)
- Handle enamelled silver

Description	mm	inch	kg	Code	No.
Keyhole saw	380	14.3/8	0.221	**6500130**	402
Saw blade for metal	260		0.062	**5500190**	402 A
Saw blade for wood	280		0.050	**5500270**	402 B

403

HACKSAW

- Adjustable tubular steel frame
- For 10" and 12" hacksaw blades, complete with No. 403 A-405 A
- Saw blades single-sided (403 A-405 A) and double-sided (403 B-405 B)
- Handle enamelled

Description	mm	inch	kg	Code	No.
Hacksaw	410	18.1/2	0.411	**6500210**	403
Saw blade, single-sided			0.028	**5500350**	403 A-405 A
Saw blade, double-sided			0.041	**5500430**	403 B-405 B

404

SMALL SAW FOR METAL PUK

- Bright nickel-plated
- Saw blade 404 A-406 A

Description	mm	inch	kg	Code	No.
Small saw for metal PUK	290	11	0.107	**6500480**	404
Saw blade	145		0.003	**5501080**	404 A-406 A

406

HOBBY SAW

- For wood and metal
- Made from flat bar, 10 x 5 mm, zinc-plated
- Glass-fibre reinforced plastic handle
- Reach 50 mm
- For use with junior hacksaw blades 145 mm
- Saw blade 404 A-406 A

Description	mm	inch	kg	Code	No.
Hobby saw	250	10	0.168	**6501020**	406
Saw blade	145		0.003	**5501080**	404 A-406 A

407

HACKSAW

- Very light hacksaw in pressure-cast aluminium
- Ergonomic soft rubber hand grips
- Fixing of the sawblade by simple turning the blue clamping element in the hand grip
- Clamping piece adjustable by 40°
- Saw blade bimetal 407 A

Description	kg	Code	No.
Hacksaw	0.650	**1879375**	407
Saw blade bimetal	0.055	**1879383**	407 A

V 406 551

PARALLEL VICES

409 - 410

PARALLEL VICE

- Welded, compact design
- Jaws and anvil plate induction hardened
- Extra large anvil surface for aligning works
- Protected vice spindle
- Adjustable guidance
- Blue hammer-enamel finish

mm	mm	kg	Code	No.
100	120	7.0	**6500800**	409
150	155	16.4	**6500990**	410

411

PARALLEL VICE

- Sturdy forged design
- Jaws and anvil plate induction hardened
- Protected vice spindle
- Adjustable guidance
- Blue hammer-enamel finish

mm	mm	kg	Code	No.
125	150	12.5	**6501100**	411-125
150	200	18.5	**6501290**	411-150

E-411

SPARE JAWS FOR PARALLEL VICE

- Jaws induction hardened

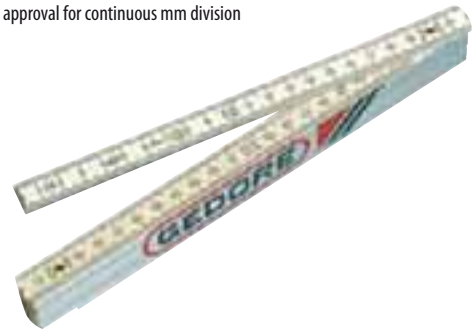
Description	mm	kg	Code	No.
Aluminium jaws 125 mm	125	0.186	**5704430**	E-411 A-125
Aluminium jaws 150 mm	150	0.218	**5704510**	E-411 A-150
Pipe-clamping jaws 125 mm	125	0.794	**5704270**	E-411 R-125
Pipe-clamping jaws 150 mm	150	0.778	**5704350**	E-411 R-150

MEASURING TOOLS

4533-2

FOLDING RULE

- Robust 2 m model with brass protective caps
- Most suitable for craftsmen or do-it-yourselfers
- Links 3.0 x 16 mm
- Made of branch free beechwood with invisible metal fittings
- Riveted joint guarantees correct measurement even in humid or dry conditions
- With easy to read metric dual scale
- Accuracy class III
- EG-design approval for continuous mm division



L m	kg	Code	No.
2	0.086	**1837087**	4533-2

4534

STEEL TAPE MEASURE

- With belt clip and rewind stop
- mm-divisions
- Approved standard mark

L m	mm	kg	Code	No.
3	13	0.128	**6697920**	4534-3
5	19	0.220	**6698060**	4534-5
8	25	0.365	**6698140**	4534-8

702

FEELER GAUGE SET, FAN PATTERN

- With protective handle, folding, blade length 100 mm
- **702** 22 A + **702** 26 A each increasing by 1/1000"
- Handle nickel-plated

	kg	Code	No.
5 10 15 20 25 30 40 50/100	0.037	**6547520**	702 8 M
3 4 5 6 7 8 9 10/100	0.027	**6547600**	702 88 M
5 10 15 20 25 30 40 50 60 70 80 90 100/100	0.065	**6547790**	702 13 M
5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100/100	0.100	**6547870**	702 20 M
10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50/100	0.068	**6547950**	702 21 M
.002 .004 .006 .008 .010 .012 .015 .020"	0.033	**6548250**	702 8 A
.0015 .002 .003 .004 .006 .008 .010 .012 .015 .020 .025"	0.038	**6548410**	702 11 A
.002 .003 .004 .005 .006 .008 .010 .012 .015 .020 .025 .030 .035"	0.055	**6548680**	702 13 A
.004 - .025"	0.081	**6548760**	702 22 A
.0015 - .025"	0.080	**6548840**	702 26 A

717

STEEL RULE

- Steel rule with millimetre and inch graduation acc. to DIN ISO 2768
- Top edge 1/64; 1/32 and 1/16 inch graduation, bottom edge 1/2 mm and 1/1 mm graduation
- Etched graduation for a legible reading
- Reading from left to right
- Flexible version
- Stainless spring-steel
- Satin non-glare finish

⊢mm⊣	⊢"inch⊣	kg	Code	No.
300	12	0.010	**1965603**	717-30

710

POCKET VERNIER CALLIPER

- DIN 862, Form A 2
- For internal and external measurements, with polished tips, depth gauge and high-speed setting
- Graduated in mm and inches, vernier 1/20 and 1/128"
- In leather wallet

⊢mm⊣	mm	"inch	kg	Code	No.
213	140	5.1/2	0.171	**6555030**	710

703 M

VALVE FEELER GAUGE

- 7 Blades, blade length 75 mm

	kg	Code	No.
10 15 20 25 30 35 40/100	0.011	**6549140**	703 M

710-80

VERNIER CALLIPER, SMALL

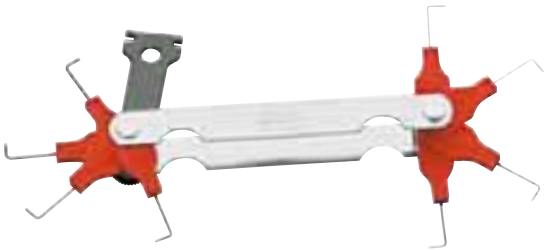
- With inside and outside jaws, ground tips, depth gauge
- With adjusting screw
- In leather pouch

⊢mm⊣	mm	"inch	kg	Code	No.
114	80	3.1/8	0.100	**1933205**	710-80

705 M

SPARK PLUG GAUGE

- With electrode adjuster
- Gauge wires in precision steel wire



∅ mm	kg	Code	No.
40 50 60 70 75 80 90 100/100 mm	0.027	**6549570**	705 M

711

DIGITAL MEASURING CALLIPER

- To DIN 862
- Stainless steel, hardened
- Switchable from mm to inch
- Measuring range 0 - 150 mm/6"
- Data output (mini-USB)
- Zeroing in any position
- Measurement beak finely smoothed and lapped
- Large LCD display (digit height 9 mm)
- Can be used with or without thumb roller
  (replacement part without thumb roller included in delivery for self-mounting)
- In sturdy protective case

⊢mm⊣	mm	"inch	kg	Code	No.
230	153	6	0.408	**6550070**	711

706

THREAD GAUGE

- 52 Blades
- For metric and Whitworth threads
- Pitches 0.25-6.00 mm / 62-4 Step" W

Pitch	kg	Code	No.
0,25-6,00	0.083	**6549730**	706

745

SCRIBER

- Made from special steel

mm	kg	Code	No.
250	0.058	**6559530**	745

746

CARBIDE SCRIBER

- Carbide, silver, with retractable
- Replaceable tip (E-746)

mm	kg	Code	No.
140	0.022	**6559610**	746
35	0.002	**5545100**	E-746

720

TWEEZERS

- With angled tips
- Bright nickel-plated

mm	kg	Code	No.
150	0.025	**6556270**	720

721

CROSS TWEEZERS

- With straight tips
- Bright nickel-plated

mm	kg	Code	No.
160	0.033	**6556350**	721

GEDORE INDIVIDUAL … CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

722-1

PRECISION TWEEZERS

- Flat, fine, long points
- Satin non-glare finish

mm	kg	Code	No.
130	0.022	**1881655**	722-1

722-1 ESD

PRECISION TWEEZERS ESD

- Flat, fine, long points
- Satin non-glare finish
- ESD = electrostatic discharge protection, black

mm	kg	Code	No.
130	0.022	**1881663**	722-1 ESD

722-2

PRECISION TWEEZERS

- Flat, fine points
- Satin non-glare finish

mm	kg	Code	No.
95	0.010	**1881671**	722-2

718

INSPECTION MIRROR

- For inspection of areas that are not directly visible
- Mirror of resistant mineral glass, Ø 60 mm, swivels through 360°
- Telescope handle adjusts from 130 to 670 mm
- Brass handle, mirror frame from stainless steel
- Nickel-plated
- Resistant to oil, grease and brake fluid

Ø	mm	kg	Code	No.
60	130-670	0.040	**1979841**	718

8552-025

SCREW EXTRACTOR SET

- For extracting broken screws and bolts with threads M5 - M16
- In handy plastic case, with twist drills, guide sleeves, extractor pins and extractor nuts
- Dimensions: 200 x 120 x 38 mm
- Complete with instructions

Contents	kg	Code	No.
Extractor pins size 1 2 3 4 5 **Drilling sleeves 1 2 3 4 5 6 7 8 9 10** **Extractor nuts size 10 11 13 14 17** **Drills 8.7-11/32" 8-5/16" 6.4-1/4" 4.8-3/16" 3.2-1/8"**	0.790	**6755550**	8552-025

140

THREAD FILE

- For repairing damaged internal and external threads
- Chrome-vanadium steel, ISO-nickel-plated
- 140 metric threads
- 140 A inch threads
- 140 W Whitworth threads

for thread pitches	mm	kg	Code	No.
0.80 1.00 1.25 1.50 1.75 2.00 2.50 3.00 mm	230	0.125	**6409640**	140
24 20 18 16 14 13 12 11 inch	230	0.125	**6409720**	140 A
24 20 18 16 14 12 11 10 Whitworth	230	0.124	**6409800**	140 W

8553

TAP AND DIE SET

- In plastic case
- Dimensions: 275 x 150 x 42 mm
- For internal threads M3 - M6
- For external threads M3 - M6, max. 40 mm long
- Ratchet drive system with extension unit
- Additional guide sleeve for dies to ensure accurately aligned thread cutting along the bar axis, with swarf collector
- **Drives:** Ratchet with extension
- **Taps:** Quick-clamp tap wrench with M3-M6 taps
- **Dies:** Die handle with guide disc and M3-M6 dies
- **Accessories:** Fixing screws and angle screwdriver, instruction manual

Contents	kg	Code	No.
T-handle ratchet 2093 U-3 T **Hex socket key 2 mm** **Extension, 1/4" 4 mm** **Die holder** **Quick-clamp tap wrench** **Threaded stud M4x6** **Backing washer** **Guide disc M3 M4 M5 M6** **Dies M3 M4 M5 M6** **Taps M3 M4 M5 M6**	0.510	**1939068**	8553

1B 128

8551 S

BOLT EXTRACTOR SET

- For removing broken screws, bolts and tube ends
- Made from high-grade chrome-vanadium steel, tempered, 54-56 HRC

Contents	M	kg	Code	No.
8551 S 1 2 3 4 5	M3-M18	0.125	**2659336**	8551 S-005
8551 S 1 2 3 4 5 6	M3-M24	0.230	**2659344**	8551 S-006

8551 S

SCREW EXTRACTOR

- For removing broken screws, bolts and tube ends
- Made from high-grade chrome-vanadium steel, tempered, 54-56 HRC
- Lower unscrewing torques thanks to the revised cross-section geometry
- Reduced drilling depth thanks to an optimised thread length
- Greater safety for user and component alike
- Larger application range, time-saving

M	M	Ø	Bore	■	mm	kg	g	Code	No.
M3 - M6	1/8-1/4	1,8-7,0	3,0	2.7	50	0.003	3	**2659352**	8551 S 1
M6 - M8	1/4-5/16	3,2-10,0	5,0	3.8	57	0.007	7	**2659379**	8551 S 2
M8 - M11	5/16-7/16	4,5-13,0	6,0	4.9	64	0.014	14	**2659387**	8551 S 3
M11 - M14	7/16-9/16	6,5-16,0	8,0	7.0	71	0.027	27	**2659395**	8551 S 4
M14 - M18	9/16-3/4	8,5-21,0	10,0	9.0	79	0.046	46	**2659409**	8551 S 5
M18 - M24	3/4-1	12,0	14,0	12.0	85	0.095	95	**2659417**	8551 S 6

8551

BOLT EXTRACTOR SET

- Made from chrome-vanadium steel, 35 HRC
- In plastic case

Contents	M	kg	Code	No.
8551 1 2 3 4 5	M3-M18	0.117	**6759620**	8551-55
8551 1 2 3 4 5 6	M3-M24	0.221	**6759700**	8551-66
8551 1 2 3 4 5 6 7 8	M3-M45	0.724	**6759890**	8551-88

8551

BOLT EXTRACTOR

- Made from chrome-vanadium steel, 35 HRC

Operation:

- Drill a central hole into the broken bolt (see table)
- Turn the bolt extractor to the left into this hole until it grips and removes the bolt (penetrating oil may be necessary!)
- Always choose the largest possible extractor size

M	M	Ø	Bore	■	mm	kg	Code	No.
M3 - M6	1/8-1/4	1,4-3,6	1,8	2.7	50	0.005	**6758490**	8551 1
M6 - M8	1/4-5/16	2,1-4,9	2,6	3.8	57	0.009	**6758570**	8551 2
M8 - M11	5/16-7/16	3,1-5,5	3,7	4.9	65	0.015	**6758650**	8551 3
M11 - M14	7/16-9/16	4,8-8,8	5,5	7.0	70	0.030	**6758730**	8551 4
M14 - M18	9/16-3/4	6,2-11,0	7,0	9.0	80	0.051	**6758810**	8551 5
M18 - M24	3/4-1	9,4-15,0	10,3	12.0	85	0.098	**6759030**	8551 6
M24 - M33	1-1.3/8	12,7-19,0	13,7	14.5	95	0.162	**6759110**	8551 7
M33 - M45	1.3/8-1.3/4	17,5-24,0	18,6	18.0	100	0.283	**6759380**	8551 8

8551 TG

TAP WRENCH WITH RATCHET

- To operate bolt extractors (no. 8551 and 8551 S) in confined spaces
- Reversible for clockwise or counterclockwise operation
- Sliding T-handle
- With two-jaw chuck to hold square shanks
- All steel version, chrome-plated

mm	M	mm	kg	Code	No.
2,0-5,0	M3-M8	85	0.186	**2659433**	8551 TG-1
4,6-8,0	M5-M12	110	0.315	**2659441**	8551 TG-2
9,0-12,5	M13-M20	117	1.040	**2659468**	8551 TG-3

VARIOUS

8272

UNIVERSAL PLIERS

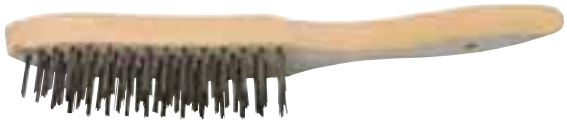
- With adjustable joint and protection against clamping
- Non-slip handles, slightly angled jaw position
- In heat-treated steel as per EN 10083

mm	inch	kg	Code	No.
165	6	0.189	**6738620**	8272-165 C
200	8	0.259	**6738890**	8272-200 C

644 - 646

WIRE BRUSH

- With untreated wooden handle, angled pattern, smooth, cast steel wire bristles



Execution	Bristle length	mm	kg	Code	No.
3-row	23	290	0.137	**6531600**	644
6-row	25	290	0.156	**6531870**	646

645

FILE BRUSH

- With carded cover and wooden handle
- Bristle field 110 x 40 mm

mm	Bristle length	kg	Code	No.
250	10	0.095	**6531790**	645

GEDORE INDIVIDUAL . . . CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

INDUSTRIAL CUTLERY

- Cutlery is traditionally not made from tempering steel, but from plain carbon steel. Carbon steel is not stainless, but keeps its sharpness longer than stainless steel.
- All GEDORE scissors are hot, drop-forged.
- Precisely machined and hardened/tempered.
- The cutting-edge is manually ground
- Carbon steel, professional hardening/tempering and the hand-ground cutting edge ensure an optimum cut and cutting-sharpness longevity.

SCISSORS

1277

INDUSTRIAL SCISSORS PROFESSIONAL

- With two equal eyes
- For universal use
- Hand-ground
- Adjuster screw for later adjustment
- Fine-polished C45 carbon steel
- Chrome-plated

Size	Length of cutting edge	Total length	kg	Code	No.
4"	35	100	0.023	**9119680**	1277-10
5"	55	120	0.040	**9119760**	1277-12
6"	65	160	0.061	**9119840**	1277-16
7"	80	180	0.088	**9119920**	1277-18

1104

CRAFTSMAN SCISSORS

- Outstanding cutting performance
- Suitable for textiles, rubber, wallpaper, plastic, etc.
- Forged, resharpenable
- Adjuster screw for later adjustment
- Fine-polished C45 carbon steel, varnished eyes, silicone dipped RAL 5015
- Chrome-plated
- Version L = for left-handers

Size	Length of cutting edge	Total length	kg	Code	No.
7"	85	180	0.142	**9118280**	1104-18
8"	95	200	0.248	**9118360**	1104-20
8"	95	200	0.248	**2082292**	1104-20L
9"	110	230	0.300	**9118440**	1104-23
10"	120	260	0.378	**9118520**	1104-26
10"	120	260	0.378	**2082306**	1104-26L
11"	135	290	0.446	**9118600**	1104-29
12"	150	320	0.536	**9118790**	1104-32

1350

INDUSTRIAL SCISSORS PROFESSIONAL

- One large and one small eye for higher transmission of force
- For universal use
- Hand-ground
- Adjuster screw for later adjustment
- Fine-polished carbon steel
- Chrome-plated
- Version L = for left-handers

Size	Length of cutting edge	Total length	kg	Code	No.
6"	65	160	0.070	**9120770**	1350-16
7"	80	180	0.094	**9120850**	1350-18
7"	80	180	0.094	**2082314**	1350-18L
8"	100	200	0.132	**9120930**	1350-20

1114

LEATHER SCISSORS

- Ideal for all kind of leather
- 9″ serrated section
- Adjuster screw for later adjustment
- Fine-polished C45 carbon steel, varnished eyes, silicone dipped RAL 5015
- Chrome-plated

Size	Length of cutting edge	Total length	kg	Code	No.
9"	75	230	0.282	**9118950**	1114-23

2123

PAPER SCISSORS

- With two equal eyes
- Suitable for the paper-processing industry and also for wallpapering and use in offices and warehouses
- Fine-polished C45 carbon steel
- Chrome-plated

Size	Length of cutting edge	Total length	kg	Code	No.
10"	135	260	0.178	**9123790**	2123-26

52887 TE - 55108 TE

SPECIAL SCISSORS

- Ideal for Kevlar®, aramid and glass fibre
- Extra hard blades, outside Teflon-coated, inside chrome-plated
- Fine-serrated on one side
- Pointed execution
- Plastic-coated handles
- Version L = for left-handers
- Kevlar® is a registered trademark of the company DuPont

Length of cutting edge	Total length	kg	Code	No.
95	210	0.252	**8017730**	52887 TE-V-210
120	260	0.420	**8017750**	52887 TE-V-260
155	320	0.622	**2082381**	52887 TE-V-320
120	260	0.360	**2082403**	52999 TE-V-260L
70	210	0.272	**2082330**	53791 TE-V-210
40	130	0.062	**2082373**	55108 TE-V-130

8096

SMALL UNIVERSAL SCISSORS

- With insulation stripping slot
- Nickel-plated, with blue handle protectors

Length of cutting edge	Total length	kg	Code	No.
50	140	0.075	**6707900**	8096-140

KNIVES

0021

POCKET KNIFE

- Traditional working knife
- Folding
- Universal use
- Extremely sharp
- C75 carbon steel blade
- Weatherproof hardwood handle

		kg	Code	No.
70	175	0.057	**2016737**	0021-07

0038

POCKET KNIFE

- Anchor or dinghy knife for heavy-duty use
- Folding
- Universal use
- Extremely sharp
- C75 carbon steel blade
- Weatherproof hardwood handle

		kg	Code	No.
80	180	0.086	**9100580**	0038-08

0042

CABLE KNIFE

- With wire stripper
- Folding
- Universal use
- Extremely sharp
- C75 carbon steel blade
- Weatherproof hardwood handle

		kg	Code	No.
90	195	0.076	**9100660**	0042-09

0047

POCKET KNIFE

- With extremely wide blade for heavy-duty use
- Folding
- Universal use
- Extremely sharp
- C75 carbon steel blade
- Weatherproof hardwood handle

		kg	Code	No.
70	175	0.064	**9100740**	0047-07
75	175	0.086	**9100900**	0047-75
80	190	0.098	**9100820**	0047-08

0056

POCKET KNIFE

- Traditional working knife
- Folding
- Universal use
- Extremely sharp
- C75 carbon steel blade
- Plastic handle

		kg	Code	No.
70	160	0.066	**9101040**	0056-07

0063

CABLE KNIFE

- With wire stripper
- Folding
- Universal use
- Extremely sharp
- X46Cr13 stainless steel blade
- Plastic handle

			Code	No.
80	200	0.092	**9101200**	0063-08

0291

UNIVERSAL KNIFE

- Universal use
- Extremely sharp
- C75 carbon steel blade
- Beech handle

			Code	No.
60	175	0.037	**9107910**	0291-06

0059 - 0067

POCKET KNIFE

- Traditional working knife
- Folding
- Universal use
- Extremely sharp
- C75 carbon steel blade
- Weatherproof hardwood handle

			Code	No.
70	160	0.061	**9101470**	0067-07
90	185	0.078	**9101390**	0065-09
100	210	0.102	**9101120**	0059-10

0365

UNIVERSAL KNIFE

- Stainless steel
- Handle made from cherrywood

			Code	No.
70	165	0.039	**9109290**	0365-07

0513

CABLE KNIFE

- With wire stripper
- Folding
- Universal use
- Extremely sharp
- C70 carbon steel blade
- Weatherproof hardwood handle

			Code	No.
90	195	0.080	**9113050**	0513-09

0117

WORK KNIFE

- Ideal as a packaging, boxing, warehousing or paper knife
- Extremely sharp
- C75 carbon steel blade
- Beech handle

			Code	No.
100	220	0.070	**9102520**	0117-10
120	240	0.080	**9102600**	0117-12
160	280	0.106	**9102790**	0117-16
180	300	0.110	**9102870**	0117-18

0246

INDUSTRIAL KNIFE

- Wide blade with straight back
- Extremely sharp
- C75 carbon steel blade
- Beech handle

			Code	No.
160	280	0.098	**9106860**	0246-16

4522

ELECTRICIANS' CABLE KNIFE

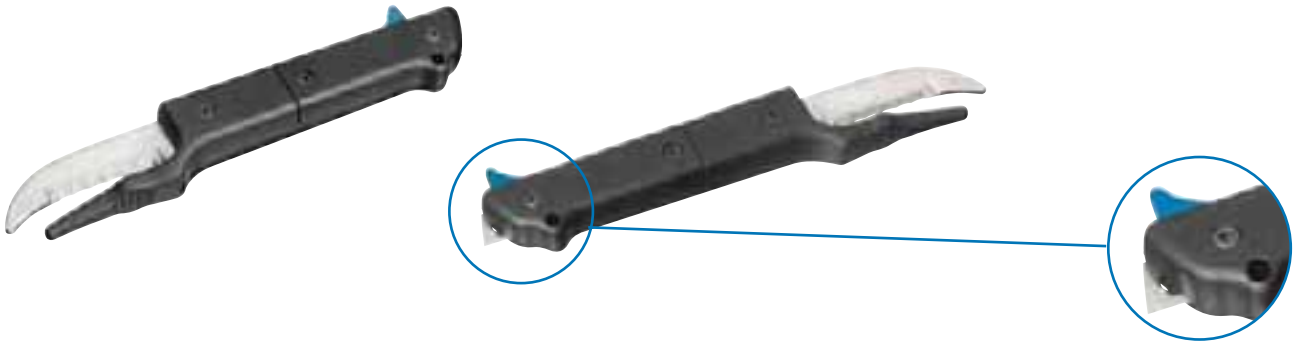
- With wire stripper
- Folding blade
- Rosewood-faced handle

			Code	No.
85	195	0.075	**6690240**	4522

6951

SAFETY KNIFE

- Ideal for the logistics sector
- Wave-ground carbon steel blade
- Blade-shield to protect user from cuts
- Concealed safety foil blade, cuts only when the blue slider is pressed
- Polyamide handle



Description			Blade thickness	kg	Code	No.
Safety knife	75	210	3	0.150	**2082411**	6951-00
Wave-ground blade				0.040	**2082438**	6951-20
Dispender with 10 foil blades				0.063	**2082446**	6951-50

4528 384

VDE 4522 K 551

VDE 4527 K 551

SCRAPERS

0175

SCRAPER

- Stamped blade
- Fine-polished, flexible C75 carbon steel
- Glazed beech handle
- Blade width 30 - 120 mm

W	kg	Code	No.
30	0.066	**9103840**	0175-03
40	0.068	**9103920**	0175-04
50	0.072	**9104060**	0175-05
60	0.080	**9104140**	0175-06
80	0.090	**9104220**	0175-08
100	0.110	**9104300**	0175-10
120	0.120	**9104490**	0175-12

0179

SCRAPER

- Professional version
- Fully forged
- Fine-polished, flexible C50 carbon steel
- Weatherproof hardwood handle
- Handle width 30 - 120 mm

W	kg	Code	No.
30	0.047	**9104570**	0179-03
40	0.063	**9104650**	0179-04
60	0.084	**9104730**	0179-06
80	0.120	**9104810**	0179-08
100	0.132	**2016745**	0179-10
120	0.144	**9105110**	0179-12

SAFETY AT WORK

TOOL BAGS

WT 1056 1

HEAVY-DUTY BELT WITH CUSHION

- Fits waist size from 80-120 cm (32"-48")
- Strongly cushioned for maximum comfort
- Made from leather

L	W	kg	Code	No.
1330	145	0.450	**1802410**	WT 1056 1

WT 1056 2

UNIVERSAL POUCH

- Leather pocket for knives
- Hammer holder with metal hooks
- Hook for tape measure

W	H	kg	Code	No.
290	290	0.340	**1811096**	WT 1056 2

WT 1056 3

DRILL HOLSTER

- Suitable for drill-machines and battery-drills
- With pockets for screws and bits
- Securing loop as loss-proof

W	H	kg	Code	No.
210	320	0.150	**1818147**	WT 1056 3

WT 1056 4

HAMMER HOLDER WITH METAL HOOKS

- Holds any claw hammer at a comfortable angle
- Enables boundless freedom of movement
- Polyester and blue suede
- Stainless tab

W	H	kg	Code	No.
100	160	0.100	**1818155**	WT 1056 4

WT 1056 5

THREE-POUCH BELT SET

- Fits waist size from 80-120 cm (32"-48")
- 4 holsters, 5 storage pockets and 1 eyelet for tape measure

W	H	kg	Code	No.
690	270	0.750	**1818163**	WT 1056 5

WT 1056 6

ELECTRICIANS' POUCH

- Generous pouch space
- 8 pockets for screwdrivers
- Extra pocket for insulation stripping knife
- Holding shackle for insulating tape

W	H	kg	Code	No.
240	320	0.500	**1818171**	WT 1056 6

WT 1056 7

HEAVY-DUTY BELT SET

- Heavily padded belt for superior comfort when fully loaded
- Fits waist size from 80-120 cm (32"-48")
- Basic belt from leather
- All inclusive: Holster, hammer holder, 2 pockets and mobile phone holder (available separately WT 1056 7-1)

Description	mm	kg	Code	No.
Heavy-duty belt set	1330	1.600	**1818198**	WT 1056 7
Mobile phone holder		0.052	**1963171**	WT 1056 7-1

WT 1056 8

DUO POUCH

- Leather pocket for knives
- 2 large storage pockets

W	H	kg	Code	No.
240	280	0.360	**1818201**	WT 1056 8

WT 1056 9

ROLL-COVER

- With 12 inside pockets for slim tools, e.g. combination spanners or screwdrivers
- Delivery without tools

W	H	kg	Code	No.
320	350	0.120	**1818228**	WT 1056 9

WT 1056 10

KNEE PADS, PAIR

- Made of strong synthetic leather with rubber
- Soft lining for comfortable kneeling
- Hook and loop fastener
- Universal size

kg	Code	No.
0.200	**1818236**	WT 1056 10

WT 1056 11

TOOL RUCKSACK PROFI

- With extra large capacities
- Practical and ergonomic arrangement of the internal and external pockets
- Ideal for transport and storage of tools, accessories and documents
- Strong zippers
- Reinforced back, padded adjustable shoulder straps and additional practical handle on the top
- Tear-resistant polyester fabric with 3M reflective stripes, suede
- Spray-water repellent, resistant to chemical agents
- Inured to temperature changes
- Delivery without tools

W	H	D	kg	Code	No.
300	400	120	2.800	**1818244**	WT 1056 11

WT 1056 13

TOOL VEST

- Multifunctional tool vest with many pockets and holsters
- Universal size with 4 lateral buckles
- Padded pouches of different dimensions for tools and small components
- Mobile phone holder and reinforced tab to hang a hammer
- Wide back pouch
- Net insert in the back for a better transpiration
- Compartment with window for an identity card
- Tear-resistant polyester fabric with 3M reflective stripes, suede
- Spray-water repellent, resistant to chemical agents
- Inured to temperature changes
- Delivery without tools

W	H	kg	Code	No.
480	660	1.000	**1818260**	WT 1056 13

WT 1056 12

TOOL RUCKSACK SOFT

- SOFT rucksack, extremely light and yet strong
- Tear-resistant polyester fabric and suede
- Strong and watertight
- Practical and ergonomic arrangement of the internal and external pockets
- Ideal for transport and storage of tools, accessories and documents
- Strong zippers
- Padded adjustable shoulder straps and additional practical handle on the top
- Delivery without tools

W	H	D	kg	Code	No.
380	410	70	1.900	**1818252**	WT 1056 12

GEDORE INDIVIDUAL . . . CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
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- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

920

WORK GLOVES FASTFIT

- For universal use
- Close fitting for retention of feel and dexterity
- Stage 5 classification as per EN 420/03 (scale from 0 - 5)
- Kind on the skin
- Rugged imitation leather and synthetic material

Size	kg	Code	No.
S/8	0.070	**1938576**	920 8
M/9	0.070	**1938584**	920 9
L/10	0.080	**1938592**	920 10
XL/11	0.080	**1938606**	920 11
XXL/12	0.080	**1938614**	920 12

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921

WORK GLOVES ORIGINAL

- For heavy duty use
- Close fitting for retention of feel and dexterity
- Stage 5 classification as per EN 420/03 (scale from 0 - 5)
- Rubber reinforced finger tips
- Adjustable Velcro fasteners on the cuffs
- Rugged imitation leather and synthetic material

Size	kg	Code	No.
XXXS/5	0.070	**1938622**	921 5
XXS/6	0.070	**1938630**	921 6
XS/7	0.070	**1938649**	921 7
S/8	0.070	**1938657**	921 8
M/9	0.080	**1938665**	921 9
L/10	0.080	**1938673**	921 10
XL/11	0.090	**1938681**	921 11
XXL/12	0.090	**1938703**	921 12
XXXL/13	0.090	**1938711**	921 13

922

WORK GLOVES M-PACT

- For heavy duty use
- Close fitting for retention of feel and dexterity
- Stage 5 classification as per EN 420/03 (scale from 0 - 5)
- Rubber reinforced finger tips
- Adjustable Velcro fasteners on the cuffs
- Additional knuckle protectors
- Ergonomic palm reinforcement
- Rugged imitation leather and synthetic material

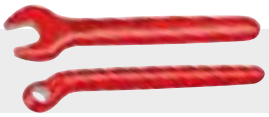
Size	kg	Code	No.
S/8	0.080	**1938738**	922 8
M/9	0.080	**1938746**	922 9
L/10	0.080	**1938754**	922 10
XL/11	0.090	**1938762**	922 11
XXL/12	0.090	**1938770**	922 12

Technical Symbols

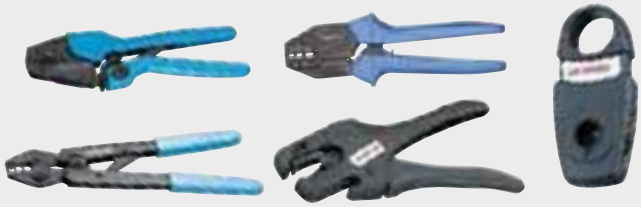
- Weight (total)
- Length (total)
- Length (total)
- Length (total)
- Length of blade
- Length of blade
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Screw dimension (type of thread)
- Square drive (external)
- Square drive (internal)
- Depth of opening / Clamping width / Clamping range
- Drive sections
- Slotted
- Cross-slotted PH
- Cruciform PZ
- Hexagon internal
- External hexagon
- Unit Drive bi-hexagon
- Conformity with EU guidelines
- VDE Test Symbol (Tools)
- VDE Test Symbol (Protective equipment)
- 1000 V For working in voltage areas up to 1000 V
- Straight jaws
- Flat-round jaws
- Round jaws
- POWER PLIERS
- Cutting edge with bevel
- Blade / Cutting edge width
- Blade thickness
- Click Tools
- GS Seal of tested quality
- new
- Catalogue page

VDE Insulated Safety Tools

Service / Features	534 – 535
VDE Spanners	536
VDE Torque wrenches	536
VDE Sockets + Accessories	537
VDE Screwdriver	538 – 540
VDE Pliers	541 – 546
VDE Assortments	547 – 549
VDE Accessories	550 – 551



Sheath-stripping, wire-stripping, crimping tools etc. can be found on pages 385 –391



VDE Insulated Safety Tools

VDE special purpose use up to 1000 V

Note:

- Texts: All DIN EN 60900-tested tools must be marked with the manufacturer's name, model or type designation, the year of manufacture and the double triangle lightning symbol with the 1000 V detail.
- All mechanical requirements such as hardness, torque and forces must comply with the DIN-ISO tolerances.

Harmonisation of the GEDORE VDE colour world

RED-YELLOW signal colour combination now at GEDORE VDE tools with moulded insulation.

1000 V

- Only tools bearing this test mark are classed as insulated tools
- VDE insulation: insulated up to 1000 V acc. to EN 60900/IEC 60900
- Safe working in high-voltage areas
- Up to 1000 V AC (alternating current)
- Up to 1500 V DC (direct current)

- Tools marked with the double triangle are individually tested = testing at 10,000 V AC based on EN 60900/IEC 60900

- The VDE symbol points to the VDE Test Institute as having carried out the test. As a result, GEDORE and the VDE Test Institute vouch for the fulfilment of the tool and safety standards and thus meet the requirements of the German equipment safety law.

- The GS symbol is a symbol defined in the law on technical equipment and consumer products (German Equipment and Product Safety Act/GSPG). It may only be used with the name given of the testing and certification office.

What should I consider before starting work? The VDE safety check - for your own safety

Safety Notes

- Work on electrically live equipment must be carried out only by trained electricians!
- Only tools and safety equipment marked with the double triangle or bell 1000 V symbol (refer to BGV A3) must be used.
- Before commencing any work, check the insulation for damage.
- Damaged tools must not be used!
- The regulations of the employers' liability insurance associations and power supply companies must be complied with!
- GEDORE VDE tools are approved for work on live circuits at voltages up to 1000 V AC and 1500 V DC.
- Tools must not be combined unless they are designed to be securely joined together.

Is the work environment well prepared?

VDE accessories

- Some items in our VDE accessories range are marked with the usual test mark for protective equipment.

VDE Check-Tool Insulation

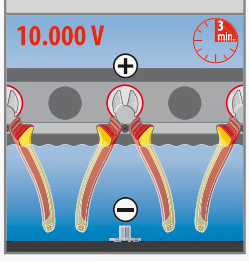
- All GEDORE VDE soft-plastic insulated safety tools have the Check-Tool insulation.
- The two-colour multi-layer insulation - red on the outside, yellow on the inside - complies with the BGV A3 (VBG-4) regulation.
- The tool must not show any discernable damage. If yellow is visible, it is high time to dispose of the tool.
- For technical reasons, Check-Tool insulation cannot be applied on tools with sprayed insulation.

VDE Regulations / Test specifications

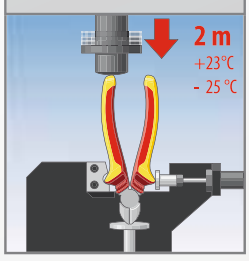
- Double triangle and 1000 V particulars in association with the GEDORE log point to a tool tested and insulated by GEDORE.
- To ensure the high safety standard of the insulated GEDORE VDE tools, independent, authorised testing centres, such as the VDE association, carry out both type examinations as well as manufacturing and storage inspections.
- All GEDORE VDE safety tools - given their proper use - are manufactured to dependably protect the user from any electrical shock currents.
- For this to be ensured, major testing steps up a to a 100 % testing of the electrical insulating property at the 10,000 V high-voltage test facility are prescribed.
- With the test passed, GEDORE VDE-tools then have a 10-fold safety from electrical shock currents and are approved of for working under voltages up to AC 1000 V and DC 1500 V.
- For these properties to be realized a host of requirements must be adhered to. They are listed in DIN EN 60900.

They include:

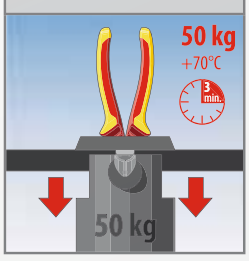
Voltage test
- No electric breakdown
- Leakage current below the norm
- No electric flashover



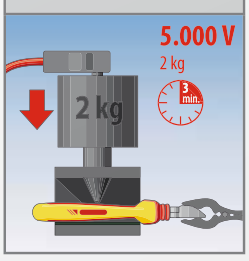
Shock test
- No flaking
- No cracks
- No fractures



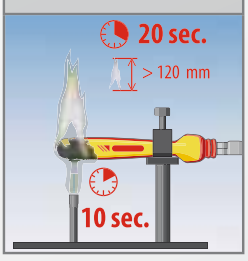
Bonding test
- No detaching of the insulation



Penetration test
- No electric flashover
- No electric breakdown
- No detaching of the insulation



Burning behavior test
- Flame height below the norm



VDE SPANNERS

VDE 2 E

VDE SINGLE ENDED RING SPANNER deep offset

- GEDORE vanadium steel 31CrV3
- VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation

1000 V

mm	mm	kg	Code	No.
8	170	0.061	**6035890**	VDE 2 E 8
9	170	0.074	**6035970**	VDE 2 E 9
10	170	0.097	**6036000**	VDE 2 E 10
11	180	0.093	**6036190**	VDE 2 E 11
12	190	0.147	**6036270**	VDE 2 E 12
13	190	0.130	**6036350**	VDE 2 E 13
14	210	0.151	**6036430**	VDE 2 E 14
15	215	0.155	**6036510**	VDE 2 E 15
17	220	0.199	**6036780**	VDE 2 E 17
19	240	0.244	**6036860**	VDE 2 E 19
22	260	0.319	**6036940**	VDE 2 E 22
24	280	0.446	**6037080**	VDE 2 E 24
27	295	0.506	**6037160**	VDE 2 E 27
30	310	0.592	**6037240**	VDE 2 E 30
32	330	0.683	**6037320**	VDE 2 E 32

VDE 894

VDE SINGLE OPEN ENDED SPANNER

- GEDORE vanadium steel 31CrV3
- VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation
- Jaw set at 15 °

1000 V

mm	mm	kg	Code	No.
9	105	0.030	**6572040**	VDE 894 9
10	105	0.034	**6572120**	VDE 894 10
11	115	0.044	**6572200**	VDE 894 11
12	125	0.052	**6572390**	VDE 894 12
13	135	0.067	**6572470**	VDE 894 13
14	145	0.081	**6572550**	VDE 894 14
15	150	0.093	**6572630**	VDE 894 15
16	155	0.108	**6572710**	VDE 894 16
17	160	0.117	**6572980**	VDE 894 17
19	175	0.161	**6573010**	VDE 894 19
22	200	0.210	**6573280**	VDE 894 22
24	220	0.268	**6573360**	VDE 894 24
27	245	0.396	**6573440**	VDE 894 27
30	265	0.486	**6573520**	VDE 894 30
32	280	0.558	**6574920**	VDE 894 32

V 60 CP

ADJUSTABLE WRENCH open end, 1000 V

- Chrome-plated
- Dip-insulated up to 1000 V
- Not certified acc. to VDE

1000 V

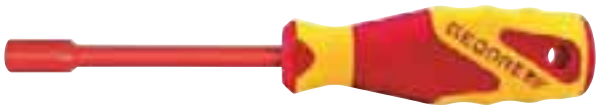
Size "	mm	kg	Code	No.
6	20	0.170	**2179040**	V 60 CP 6
8	25	0.330	**2179059**	V 60 CP 8
10	30	0.520	**2179067**	V 60 CP 10
12	36	0.880	**2179075**	V 60 CP 12

VDE 2133

VDE SOCKET WRENCH with 3C-handle

- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Head depth 25 mm, blade length 125 mm
- VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900

1000 V



mm	mm	mm	Head Ø	Ø	kg	Code	No.
3	125	225	9	8,9	0.109	**1747045**	VDE 2133 3
4	125	225	10	8,9	0.111	**1747053**	VDE 2133 4
5	125	225	11	8,9	0.112	**1747061**	VDE 2133 5
6	125	225	12	8,9	0.114	**1747088**	VDE 2133 6
7	125	235	14	9,9	0.152	**1747096**	VDE 2133 7
8	125	235	15	9,9	0.154	**1747118**	VDE 2133 8
9	125	235	16	9,9	0.154	**1747126**	VDE 2133 9
10	125	235	17	9,9	0.161	**1747134**	VDE 2133 10
11	125	245	19	10,9	0.193	**1747142**	VDE 2133 11
12	125	245	20	10,9	0.196	**1747150**	VDE 2133 12
13	125	245	21	10,9	0.199	**1747169**	VDE 2133 13
14	125	245	22	10,9	0.198	**1747177**	VDE 2133 14
17	125	245	26	10,9	0.222	**1747185**	VDE 2133 17

VDE TORQUE WRENCHES

VDE 4507

VDE TORQUE WRENCH 1/2" 5-50 N·m / 4-37 lbf·ft

- Automatic short-way release and acoustic signal
- Manually adjustable dual scale with metric and SAE values
- Fine toothed ratchet with square drive as per DIN 3120 - A 12.5, ISO 1174
- VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation

1000 V

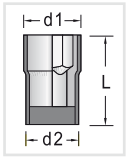
"		mm	kg	Code	No.
1/2	12.5	370	1.251	**6681920**	VDE 4507-4

VDE 19

VDE SOCKET 1/2"

- Hexagon socket wrench, hand-operated
- With square drive according to DIN 3120 - C 12.5, ISO 1174
- GEDORE vanadium steel 31CrV3
- VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation
- 10 - 12 mm insulation overhang must be added to the lengths stated
- Sizes 27, 30 and 32: diameter d_1 is not standardised

1000 V



mm	d_1	d_2	L	kg	Code	No.
10	19.5	27	54.0	0.070	**6122510**	VDE 19 10
11	20.7	27	54.0	0.067	**6122780**	VDE 19 11
12	22.0	27	54.0	0.070	**6122860**	VDE 19 12
13	23.2	27	54.0	0.069	**6122940**	VDE 19 13
14	24.5	27	54.0	0.073	**6123080**	VDE 19 14
15	25.7	27	55.5	0.088	**6123160**	VDE 19 15
16	27.0	27	55.5	0.086	**1439294**	VDE 19 16
17	28.2	27	55.5	0.084	**6123240**	VDE 19 17
19	30.7	27	56.0	0.092	**6123320**	VDE 19 19
22	34.5	27	57.5	0.121	**6123400**	VDE 19 22
24	37.0	27	57.5	0.146	**6123590**	VDE 19 24
27	40.7	27	57.5	0.174	**6123670**	VDE 19 27
30	44.5	27	59.0	0.212	**6123750**	VDE 19 30
32	47.0	27	60.5	0.250	**6123830**	VDE 19 32

VDE IN 19

VDE SCREWDRIVER BIT SOCKET 1/2" for in-hex screws

- With pressed-in pin
- With square drive according to DIN 3120 - C 12.5, with ball groove
- Tips GEDORE vanadium special steel
- VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation
- Sockets can only be combined with VDE 1989 T, VDE 1991, VDE 1993 U and VDE 4507

1000 V

mm	mm	Ø	kg	Code	No.
5	106	27	0.083	**6124480**	VDE IN 19 5
6	106	27	0.095	**6124560**	VDE IN 19 6
8	106	27	0.109	**6124640**	VDE IN 19 8

VDE 1990

VDE EXTENSION 1/2"

- For hand-operated sockets with square drive as per DIN 3120, ISO 1174
- With lock screw for holding the socket wrenches
- VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation
- Not suited for use with VDE IN 19
- 16 - 18 mm insulation overhang must be added to the lengths stated

1000 V

"		mm	kg	Code	No.
1/2	12.5	125	0.213	**6124050**	VDE 1990-5
1/2	12.5	250	0.411	**6124130**	VDE 1990-10

VDE 1991

VDE EXTENSION 1/2"

- With hollow shaft, especially suitable for screwdriver bit sockets VDE IN 19
- Max. torque 370 N·m
- VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation

1000 V

"		mm	kg	Code	No.
1/2	12.5	125	0.204	**1507516**	VDE 1991

VDE 1988 - VDE 1989 T

VDE T-HANDLE for 1/2" VDE tools

- VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation
- VDE 1988 with screw locking, not suited for use with VDE IN 19
- VDE 1989 T with pull locking

1000 V

"		mm	kg	Code	No.
1/2	12.5	200	0.455	**6124210**	VDE 1988
1/2	12.5	200	0.355	**6124720**	VDE 1989 T

VDE 1993 U

VDE REVERSIBLE RATCHET 1/2" with push-button release

- Robust, with smooth action
- Sockets held absolutely securely by push-button lock with ball in the square drive
- Direction changed by 2 push-buttons, marked R and L, on the shaft
- Square drive acc. to DIN 3120 - A 12.5, ISO 1174, chrome-vanadium steel 31CrV3
- VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900

1000 V

"		mm	kg	Code	No.
1/2	12.5	270	0.546	**6123910**	VDE 1993 U

VDE SCREWDRIVER

V 42

VDE HEXAGON ALLEN KEY for in-hex screws

- Acc. to DIN ISO 2936
- Particularly suitable for cable branch clamping rings
- Oil-hardened
- GEDORE vanadium special steel
- Individually tested, insulation up to 1000 V

1000 V

mm	L_1	L_2	kg	Code	No.
3	130	23.5	0.020	**2324849**	V 42 3
4	120	40.0	0.025	**2324857**	V 42 4
5	140	48.0	0.045	**2324865**	V 42 5
6	140	48.0	0.060	**2324873**	V 42 6
8	150	51.0	0.110	**2324881**	V 42 8
10	220	51.0	0.230	**2324903**	V 42 10
12	260	61.5	0.350	**2324911**	V 42 12

V 42 T

VDE HEXAGON ALLEN KEY WITH T-HANDLE for in-hex screws

- Individually tested, insulation up to 1000 V
- With Check-Tool insulation
- GEDORE chrome-vanadium steel 59CrV4

1000 V

mm	mm		kg	Code	No.
4	160	X	0.145	**2661225**	V 42 T 4
5	160	X	0.250	**2661233**	V 42 T 5
6	160	X	0.250	**2661241**	V 42 T 6
8	160	X	0.260	**2661268**	V 42 T 8
10	200	–	0.390	**2661276**	V 42 T 10
11	200	–	0.400	**2661284**	V 42 T 11
12	200	–	0.420	**2661292**	V 42 T 12

VDE 2170

VDE SCREWDRIVER for slotted head screws

- Individually tested, VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, fully insulated blade
- Tip to DIN ISO 2380-1 form A
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

1000 V

mm	mm	mm	mm	kg	Code	No.
2.5	0.4	75	160	0.038	**1612220**	VDE 2170 2,5
3.0	0.5	100	185	0.042	**1612239**	VDE 2170 3
3.5	0.6	100	185	0.055	**1612247**	VDE 2170 3,5
4.0	0.8	100	185	0.058	**1612255**	VDE 2170 4
5.5	1.0	125	225	0.095	**1612271**	VDE 2170 5,5
6.5	1.2	150	260	0.134	**1612298**	VDE 2170 6,5
8.0	1.2	175	295	0.158	**1612301**	VDE 2170 8
10.0	1.6	200	320	0.208	**1612336**	VDE 2170 10

VDE 2172

VDE SCREWDRIVER SLIM DRIVE for slotted head screws

- Individually tested, VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, fully insulated blade
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Ultra-small blade diameter yet with full mechanical and electrical safety
- No problems in reaching screws deeply embedded in screw shafts
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

1000 V

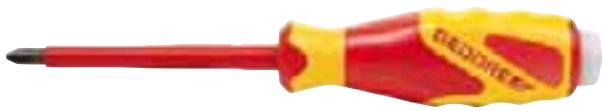
mm	mm	mm	mm	kg	Code	No.
3.5	0.6	100	185	0.055	**2824736**	VDE 2172 3,5
4.0	0.8	100	185	0.055	**2824744**	VDE 2172 4
5.5	1.0	125	225	0.100	**2824752**	VDE 2172 5,5
6.5	1.2	150	260	0.140	**2824760**	VDE 2172 6,5

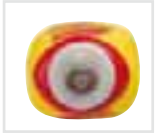
V 2160 MS PH

VDE SCREWDRIVER MAVO for cross-slotted head screws PH

- No-contact voltage finder and fitted magnetic field tester
- Voltage and magnetic fields are displayed in red and green, respectively
- The no-contact voltage finder detects energised conductors. The capacitive testing method can localise a break in the cable down to a few millimeters.
- The magnetic field tester examines the function of electro-magnetic switches and valves without having to place the switch out of service. Both permanent and alternating magnetic fields are displayed
- 3-component handles Power-Grip³
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel
- Tested 1000 V

1000 V





PH	M	mm	mm	kg	Code	No.
2	M3,5 - M5	100	210	0.140	**2824434**	V 2160 MS PH 2

VDE 2160 PH

VDE SCREWDRIVER for cross-slotted head screws PH

- Individually tested, VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, fully insulated blade
- Blade tip to DIN ISO 8764-1 PH
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

1000 V

PH	M	mm	mm	kg	Code	No.
0	M1,6 - M2	60	145	0.039	**1612107**	VDE 2160 PH 0
1	M2 - M3	80	180	0.082	**1612115**	VDE 2160 PH 1
2	M3,5 - M5	100	210	0.119	**1612123**	VDE 2160 PH 2
3	M5,5 - M7	150	270	0.188	**1612131**	VDE 2160 PH 3
4	M8 - M10	200	320	0.269	**1612158**	VDE 2160 PH 4

VDE 2170-2160 PH-077

VDE SCREWDRIVER SET 7 pieces

- Packed in environmentally-friendly cardboard box
- For slotted and cross-slotted head screws PH
- VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, fully insulated blade
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

1000 V

Contents	kg	Code	No.
VDE 2170 2,5 4 5,5 6,5 **VDE 2160 PH 0 1 2**	0.575	**1616048**	VDE 2170-2160 PH-077

VDE 2160 PZ

VDE SCREWDRIVER for cross-slotted head screws PZ

- Individually tested, VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, fully insulated blade
- Blade tip to DIN ISO 8764-1 PZ
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

1000 V

PZ	M	mm	mm	kg	Code	No.
0	M1,6 - M2	60	145	0.038	**1612166**	VDE 2160 PZ 0
1	M2 - M3	80	180	0.082	**1612182**	VDE 2160 PZ 1
2	M3,5 - M5	100	210	0.120	**1612190**	VDE 2160 PZ 2
3	M5,5 - M7	150	270	0.188	**1612204**	VDE 2160 PZ 3
4	M8 - M10	200	320	0.270	**1612212**	VDE 2160 PZ 4

VDE 2162 PH

VDE SCREWDRIVER SLIM DRIVE for cross-slotted head screws PH

- Individually tested, VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, fully insulated blade
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Ultra-small blade diameter yet with full mechanical and electrical safety
- No problems in reaching screws deeply embedded in screw shafts
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

1000 V

PH	M	mm	mm	kg	Code	No.
1	M2 - M3	80	180	0.100	**2824442**	VDE 2162 PH 1
2	M3,5 - M5	100	210	0.140	**2824450**	VDE 2162 PH 2

VDE 2162 PZ

VDE SCREWDRIVER SLIM DRIVE for cross-slotted head screws PZ

- Individually tested, VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, fully insulated blade
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Ultra-small blade diameter yet with full mechanical and electrical safety
- No problems in reaching screws deeply embedded in screw shafts
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

1000 V

PZ	M	mm	mm	kg	Code	No.
1	M2 - M3	80	180	0.100	**2824469**	VDE 2162 PZ 1
2	M3,5 - M5	100	210	0.140	**2824477**	VDE 2162 PZ 2

VDE 2164

VDE SCREWDRIVER SLIM DRIVE PLUSMINUS for cross-slotted head screws PH+PZ

- Individually tested, VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, fully insulated blade
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Ultra-small blade diameter yet with full mechanical and electrical safety
- No problems in reaching screws deeply embedded in screw shafts
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

1000 V

mm	mm	kg	Code	No.
80	180	0.100	**2824817**	VDE 2164 SL/PZ1
100	210	0.140	**2824825**	VDE 2164 SL/PZ2

VDE 2163 TX

VDE SCREWDRIVER for recessed TORX® head screws

- Individually tested, VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, fully insulated blade
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

1000 V

	M	mm	mm	mm	kg	Code	No.
T5	M1,8	1,42	60	145	0.055	**2824558**	VDE 2163 TX T5
T6	M2	1,69	60	145	0.055	**2824574**	VDE 2163 TX T6
T7	M2,5	1,99	60	145	0.055	**2824582**	VDE 2163 TX T7
T8	M2,5	2,31	60	145	0.055	**2824590**	VDE 2163 TX T8
T9	M3	2,50	60	145	0.055	**2824604**	VDE 2163 TX T9
T10	M3 - M3,5	2,74	60	145	0.055	**2824612**	VDE 2163 TX T10
T15	M3,5 - M4	3,27	80	180	0.055	**2824620**	VDE 2163 TX T15
T20	M4 - M5	3,86	80	180	0.055	**2824639**	VDE 2163 TX T20
T25	M4,5 - M5	4,43	80	180	0.100	**2824647**	VDE 2163 TX T25
T27	M4,5 - M6	4,99	100	210	0.100	**2824655**	VDE 2163 TX T27
T30	M6 - M7	5,52	100	210	0.140	**2824663**	VDE 2163 TX T30
T40	M7 - M8	6,65	150	270	0.140	**2824671**	VDE 2163 TX T40
T45	M8 - M10	7,82	150	270	0.222	**2824698**	VDE 2163 TX T45

VDE 2163 K

VDE SCREWDRIVER for in-hex screws, with ball end

- Individually tested, VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, fully insulated blade
- 3-component handles Power-Grip³ with hanging hole
- Ergonomic handle design enables precise and fatigue-free working
- Positive-fit joint of handle and blade for optimum transmission of force
- Type of drive marked at end of the handle
- Working angle approx. 25° in each direction
- Blade from GEDORE molybdenum-vanadium-Plus tempered steel

1000 V

mm	mm	mm	kg	Code	No.
2,5	75	160	0.055	**2824485**	VDE 2163 K 2,5
3	75	160	0.055	**2824493**	VDE 2163 K 3
4	75	160	0.055	**2824507**	VDE 2163 K 4
5	75	175	0.100	**2824515**	VDE 2163 K 5
6	100	210	0.140	**2824523**	VDE 2163 K 6
8	100	220	0.222	**2824531**	VDE 2163 K 8

4615

VOLTAGE TESTER

- For 220-250 Volt AC
- Blade nickel-plated, fully insulated blade conforming to DIN VDE 0680-6
- 4615 3 with metal clip and yellow cap

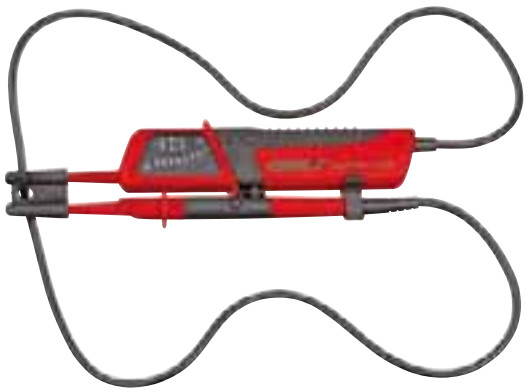
mm	mm	mm	mm	kg	Code	No.
3.0	0.5	60	140	0.022	**6699110**	4615 3
3.5	0.6	90	180	0.037	**6699380**	4615 3,5

V 4614 PLUS

VOLTAGE TESTER 1000 V two-pole with LED display

1000 V

- For 6 - 1000 V AC
- Optical warning of life-threatening voltage above 35 V
- Acoustic and visual continuity testing from 0 to 500 kΩ
- Phase testing > 100 V AC
- Phase sequence indicator
- RCD triggering by automatic load function, Is ~30 mA, ED (DT) = max. 30 sec.
- Safety outlet and CEE one-hand operation
- Removable 4 mm tip adaptor
- Undetachable test tip protection
- Protection classification IP65, dust-proof, hose-proof
- Integrated LED torch (white)
- 2x batteries type AAA Micro
- Automatic on/off function
- CAT IV 1000 V
- TÜV/GS tested and approved, IEC/EN 61243-3, DIN VDE 0682 Part 401



kg	Code	No.
0.270	**2241137**	V 4614 PLUS

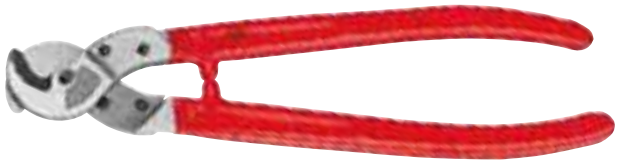
VDE PLIERS

V 180

CABLE SHEARS

1000 V

- Cuts cable up to 27 mm, solid material up to 200 mm²
- Suitable for use up to 1000 V
- Not certified acc. to VDE



⊢◂ mm ▸⊣	kg	Code	No.
620	2.125	**6430330**	V 180 23

The different cutting-edge geometry is ideal for plastic-coatings or copper and aluminium strands.

FIRST CUT/COAT CUT:

Even with larger cable diameters the single-hand operation is retained.

SECOND CUT / DIVIDING WIRES:

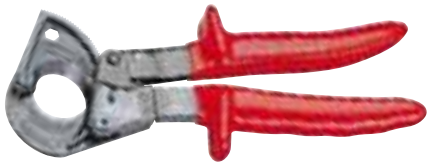
For larger cable diameters the change into the second cut enables the final separation of the strands in single-hand operation.

V 8091

CABLE CUTTER

1000 V

- For cutting copper and aluminium cables
- Genuine single-hand operation, with optimum transfer of force. Handles ergonomically designed for fatigue-free constant use. Little hand pressure required even at maximum loading. For step-by-step cutting with burr-free cut, may be opened in every cutting position. With locking lever.
- Tool body in high-tensile special steel
- Cutting edges and important functional parts tempered or specially hardened
- Red plastic handles insulated
- Suitable for use up to 1000 V
- Not certified acc. to VDE
- V 8091-320: single-core cable, max. Ø 25 mm (1"), multi-core cable, max. Ø 32 mm (1.1/4")
- V 8091-500: multi-core cable, max. Ø 52 mm (2.1/32")



⊢◂ mm ▸⊣	kg	Code	No.
280	0.792	**6725130**	V 8091-320
280	0.999	**6725210**	V 8091-500

VDE 8094

VDE CABLE SHEARS with VDE dipped insulation

1000 V

- For cutting multi-core copper and aluminium cables up to Ø 20 mm
- When using first and final cuts, the diameter increases to Ø 25 mm
- The handle width remains within the range of ergonomic single-hand operation
- First cut: Use the front blade to cut the cable sheath
- Final cut: Place the cable in the back blade and separate the wire(s)
- Cutting edges additionally inductively hardened
- Precision ground for optimum action, new cutting-edge geometry
- Adjustable screw joint with finger protection
- Not suitable for steel wire or hard-drawn copper wire
- Special tool steel, forged, gun-metal finish
- Handles with VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation

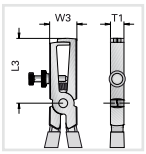
Ø	mm²	⊢◂ mm ▸⊣	⊢◂ "inch ▸⊣	kg	Code	No.
20	70	200	8.1/2	0.423	**6725050**	VDE 8094

VDE 8098

VDE STRIPPING PLIERS with VDE dipped insulation

- Opening stop, spring and brass adjusting screw for wires 0.8 - 6.0 mm²
- GEDORE special hardened and tempered steel, chrome-plated
- Handles with VDE dipped insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation

1000 V



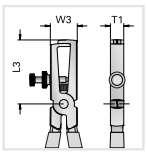
L	L_3	W_3	T_1	mm²	kg	Code	No.
160	43.5	18.5	8.5	0,8-6	0.217	**6708980**	VDE 8098-160

VDE 8098 H

VDE STRIPPING PLIERS with VDE insulating sleeves

- Opening stop, spring and brass adjusting screw for wires 0.8 - 6.0 mm²
- GEDORE special hardened and tempered steel, chrome-plated
- Handles with VDE insulating sleeves up to 1000 V, acc. to EN 60900/IEC 60900

1000 V



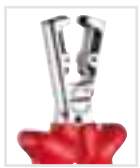
L	L_3	W_3	T_1	mm²	kg	Code	No.
160	43.5	18.5	8.5	0,8-6	0.204	**1552074**	VDE 8098-160 H

VDE 8099

VDE STRIPPING PLIERS STRIP-FIX with VDE dipped insulation

- Self-adjusting, for wires 0.5 - 5.0 mm²
- GEDORE special hardened and tempered steel, oil-hardened, chrome-plated
- Handles with VDE dipped insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation
- Pair of spare knives no. E-8099

1000 V



mm	"inch	mm²	kg	Code	No.
160	6.1/2	0,5-5	0.226	**6709600**	VDE 8099-160

VDE 8099 H

VDE STRIPPING PLIERS STRIP-FIX with VDE insulating sleeves

- Self-adjusting, for wires 0.5 - 5.0 mm²
- V-shaped cutting jaws for stripping the plastic insulation of single- and multi-core conductors
- GEDORE special hardened and tempered steel, oil-hardened, chrome-plated
- Handles with VDE insulating sleeves up to 1000 V, acc. to EN 60900/IEC 60900
- Pair of spare knives no. E-8099

1000 V

mm	"inch	mm²	kg	Code	No.
160	6.1/2	0,5-5	0.211	**1552082**	VDE 8099-160 H

E-8099

PAIR OF SPARE KNIVES for stripping pliers STRIP-FIX

kg	Code	No.
0.012	**5709580**	E-8099

VDE 146

VDE UNIVERSAL PLIERS 7 settings

- Gripping pliers with safety box joint and finger protection
- GEDORE special chrome-vanadium steel
- Handles with VDE dipped insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation

1000 V

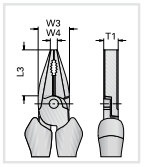
mm	mm	kg	Code	No.
250	31	0.485	**6120140**	VDE 146 10

VDE 8250

VDE HEAVY DUTY COMBINATION PLIERS with VDE dipped insulation

- For heavy continuous use
- Good lever action for easy cutting
- Induction-hardened precision cutting edges, hardness 62 - 64 HRC
- For flat and round material
- To cut all wire types including piano wire, 1.6 mm
- GEDORE special hardened and tempered steel, chrome-plated
- Handles with VDE dipped insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation

1000 V



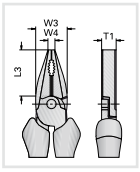
L	L_3	W_3	W_4	T_1	kg	Code	No.
160	35.0	22.8	5.8	10.4	0.236	**1429582**	VDE 8250-160
180	38.5	25.6	6.5	11.0	0.312	**6720090**	VDE 8250-180
200	39.5	27.0	6.5	12.4	0.365	**6720250**	VDE 8250-200
225	42.2	27.7	6.5	13.0	0.485	**6720330**	VDE 8250-225

VDE 8250 H

VDE HEAVY DUTY COMBINATION PLIERS with VDE insulating sleeves

- For heavy continuous use
- Good lever action for easy cutting
- Induction-hardened precision cutting edges, hardness 62 - 64 HRC
- For flat and round material
- To cut all wire types including piano wire, 1.6 mm
- GEDORE special hardened and tempered steel, chrome-plated
- Handles with VDE insulating sleeves up to 1000 V, acc. to EN 60900/IEC 60900

1000 V



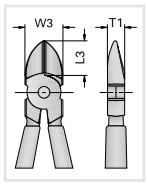
L	L_3	W_3	W_4	T_1	kg	Code	No.
160	35.0	22.8	5.8	10.4	0.228	**1550942**	VDE 8250-160 H
180	38.5	25.6	6.5	11.0	0.288	**1550950**	VDE 8250-180 H
200	39.5	27.0	6.5	12.4	0.369	**1550969**	VDE 8250-200 H

VDE 8314 H

VDE SIDE CUTTER with VDE insulating sleeves

- With slender head - ideal for confined spaces
- Induction-hardened precision cutting edges, hardness 63 - 65 HRC
- For medium-hard wire, 1.6 mm
- GEDORE special hardened and tempered steel, chrome-plated
- Handles with VDE insulating sleeves up to 1000 V, acc. to EN 60900/IEC 60900

1000 V



L	L_3	W_3	T_1	Ø	kg	Code	No.
140	18.5	18.5	9.5	1,6	0.177	**1552155**	VDE 8314-140 H
160	19.0	22.0	10.0	1,6	0.231	**1552163**	VDE 8314-160 H

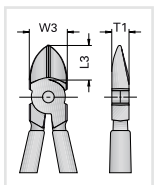
1500 CT1-VDE 142 110

VDE 8314

VDE SIDE CUTTER with VDE dipped insulation

- With slender head - ideal for confined spaces
- Induction-hardened precision cutting edges, hardness 63 - 65 HRC
- For medium-hard wire, 1.6 mm
- GEDORE special hardened and tempered steel, chrome-plated
- Handles with VDE dipped insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation

1000 V



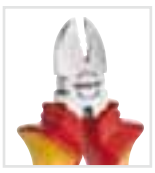
L	L_3	W_3	T_1	Ø	kg	Code	No.
140	18.5	18.5	9.5	1,6	0.199	**6743540**	VDE 8314-140
160	19.0	22.0	10.0	1,6	0.253	**6743620**	VDE 8314-160

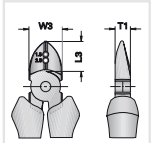
VDE 8315 H

VDE ELECTRICIANS' SIDE CUTTER with VDE insulating sleeves

- Double-function electricians' side cutters for cutting and wire stripping
- Stripping holes for single- or multi-core conductors 1.5 and 2.5 mm^2
- Induction-hardened precision cutting edges
- GEDORE special hardened and tempered steel, chrome-plated
- Handles with VDE insulating sleeves up to 1000 V, acc. to EN 60900/IEC 60900

1000 V





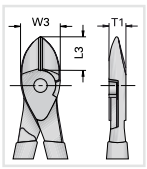
L	L_3	W_3	T_1	mm^2	Ø	kg	Code	No.
160	19	22	10	1,5 / 2,5	1,6	0.231	**1742582**	VDE 8315-160 H

VDE 8316

VDE POWER SIDE CUTTER with VDE dipped insulation

- Good lever action for easy cutting
- Induction-hardened precision cutting edges, hardness 63 - 65 HRC
- For hard wire/piano wire - values see table
- Max. cutting capacity Ø 1.8 - 2.0 mm
- GEDORE special hardened and tempered steel, chrome-plated
- Handles with VDE dipped insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation

1000 V



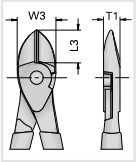
L	L_3	W_3	T_1	Ø	kg	Code	No.
180	22.6	26	11	1,8	0.285	**1429590**	VDE 8316-180
200	22.0	28	11	2,0	0.341	**6742570**	VDE 8316-200

VDE 8316 H

VDE POWER SIDE CUTTER with VDE insulating sleeves

- Good lever action for easy cutting
- Induction-hardened precision cutting edges, hardness 63 - 65 HRC
- For hard wire/piano wire - values see table
- Max. cutting capacity Ø 1.8 - 2.0 mm
- GEDORE special hardened and tempered steel, chrome-plated
- Handles with VDE insulating sleeves up to 1000 V, acc. to EN 60900/IEC 60900

1000 V



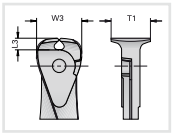
L	L_3	W_3	T_1	Ø	kg	Code	No.
180	22.6	26	11	1,8	0.267	**1550993**	VDE 8316-180 H
200	22.0	28	11	2,0	0.344	**1551000**	VDE 8316-200 H

VDE 8367

VDE HEAVY DUTY END CUTTING NIPPERS

- Good lever action for easy cutting
- Induction-hardened precision cutting edges, hardness 63 - 65 HRC
- For hard wire/piano wire 1.6 mm
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- Handles with VDE dipped insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation

1000 V



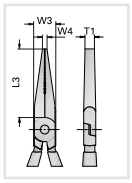
L	L_3	W_3	T_1	Ø	kg	Code	No.
160	6.9	27	23.5	1,6	0.220	**2324830**	VDE 8367-160

VDE 8120

VDE FLAT NOSE PLIERS with VDE dipped insulation

- Long, flat jaws and serrated gripping surfaces
- GEDORE special hardened and tempered steel, chrome-plated
- Handles with VDE dipped insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation

1000 V



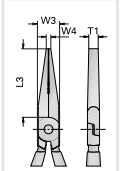
L	L_3	W_3	W_4	T_1	kg	Code	No.
160	51	16.5	3.4	9	0.185	**6715330**	VDE 8120-160

VDE 8120 H

VDE FLAT NOSE PLIERS with VDE insulating sleeves

- Long, flat jaws and serrated gripping surfaces
- GEDORE special hardened and tempered steel, chrome-plated
- Handles with VDE insulating sleeves up to 1000 V, acc. to EN 60900/IEC 60900

1000 V



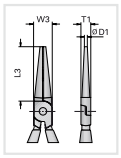
L	L_3	W_3	W_4	T_1	kg	Code	No.
160	51	16.5	3.4	9	0.175	**1552090**	VDE 8120-160 H

VDE 8122

VDE ROUND NOSE PLIERS with VDE dipped insulation

- Long, round jaws and serrated gripping surfaces
- GEDORE special hardened and tempered steel, chrome-plated
- Handles with VDE dipped insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation

1000 V



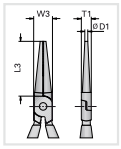
L	L_3	W_3	D_1	T_1	kg	Code	No.
160	48	16.5	2.5	8.7	0.170	**6717110**	VDE 8122-160

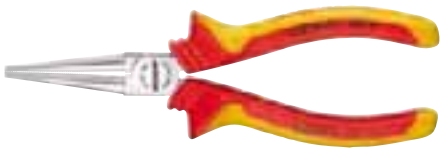
VDE 8122 H

VDE ROUND NOSE PLIERS with VDE insulating sleeves

- Long, round jaws and serrated gripping surfaces
- GEDORE special hardened and tempered steel, chrome-plated
- Handles with VDE insulating sleeves up to 1000 V, acc. to EN 60900/IEC 60900

1000 V





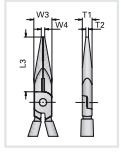
L	L_3	W_3	D_1	T_1	kg	Code	No.
160	48	16.5	2.5	8.7	0.154	**1552104**	VDE 8122-160 H

VDE 8132

VDE TELEPHONE PLIERS with VDE dipped insulation, straight pattern

- Long, flat-round jaws, straight gripping faces, serrated
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- GEDORE special hardened and tempered steel, chrome-plated
- Handles with VDE dipped insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation

1000 V



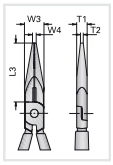
L	L_3	W_3	W_4	T_1	T_2	kg	Code	No.
160	50.0	16.5	3.2	9.0	2.5	0.193	**6721570**	VDE 8132-160
200	75.7	18.5	3.7	9.5	2.8	0.248	**6721650**	VDE 8132-200

VDE 8132 H

VDE TELEPHONE PLIERS with VDE insulating sleeves, straight pattern

- Long, flat-round jaws, straight gripping faces, serrated
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- GEDORE special hardened and tempered steel, chrome-plated
- Handles with VDE insulating sleeves up to 1000 V, acc. to EN 60900/IEC 60900

1000 V



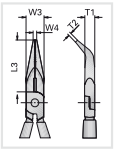
L	L_3	W_3	W_4	T_1	T_2	kg	Code	No.
160	50.0	16.5	3.2	9.0	2.5	0.164	**1552112**	VDE 8132-160 H
200	75.7	18.5	3.7	9.5	2.8	0.235	**1552120**	VDE 8132-200 H

VDE 8132 AB

VDE BENT NOSE TELEPHONE PLIERS with VDE dipped insulation, angled pattern

- Long, flat-round jaws, angled gripping surfaces, serrated
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- GEDORE special hardened and tempered steel, chrome-plated
- Handles with VDE dipped insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation

1000 V



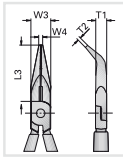
L	L_3	W_3	W_4	T_1	T_2	kg	Code	No.
160	46.0	16.5	3.2	9.0	2.5	0.177	**6721730**	VDE 8132 AB-160
200	70.5	18.5	3.7	9.5	2.8	0.252	**6721810**	VDE 8132 AB-200

VDE 8132 AB H

VDE BENT NOSE TELEPHONE PLIERS with VDE insulating sleeves, angled pattern

- Long, flat-round jaws, angled gripping surfaces, serrated
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- GEDORE special hardened and tempered steel, chrome-plated
- Handles with VDE insulating sleeves up to 1000 V, acc. to EN 60900/IEC 60900

1000 V



L	L_3	W_3	W_4	T_1	T_2	kg	Code	No.
160	46.0	16.5	3.2	9.0	2.5	0.173	**1552139**	VDE 8132 AB-160 H
200	70.5	18.5	3.7	9.5	2.8	0.235	**1552147**	VDE 8132 AB-200 H

VDE S 8003

VDE PLIERS SET WITH VDE DIPPED INSULATION 3 pieces

- Packed in environmentally-friendly cardboard box
- Handles with VDE dipped insulation up to 1000 V, acc. to EN 60900/IEC 60900, two-ply Check-Tool insulation

1000 V

Contents	kg	Code	No.
VDE 8132-160 **VDE 8250-180** **VDE 8314-160**	0.760	**6708120**	VDE S 8003

VDE S 8003 H

VDE PLIERS SET WITH VDE INSULATING SLEEVES 3 pieces

- Packed in environmentally-friendly cardboard box
- Handles with VDE insulating sleeves up to 1000 V, acc. to EN 60900/IEC 60900

1000 V

Contents	kg	Code	No.
VDE 8132-160 H **VDE 8250-180 H** **VDE 8314-160 H**	0.747	**1550594**	VDE S 8003 H

GEDORE INDIVIDUAL ... CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

RZB2-5

VDE PLIERS SET 3 pieces

- In rugged plastic case
- Handles with VDE insulating sleeves up to 1000 V, acc. to EN 60900/IEC 60900

1000 V

Contents	kg	Code	No.
VDE 8098-160 H **VDE 8250-180 H** **VDE 8314-160 H**	0.950	**1708244**	RZB2-5

RZB2-11

VDE PLIERS SET 3 pieces

- In rugged plastic case
- Handles with VDE insulating sleeves up to 1000 V, acc. to EN 60900/IEC 60900

1000 V

Contents	kg	Code	No.
VDE 8132-160 H **VDE 8250-180 H** **VDE 8314-160 H**	0.920	**1692291**	RZB2-11

RZB1-17

VDE TOOL SET 8 pieces

- In rugged plastic case

1000 V

Contents	kg	Code	No.
VDE 8132-200 H **VDE 8250-180 H** **VDE 8314-160 H** **VDE 2170 4 5,5** **VDE 2160 PH 1 2** **4615 3**	1.700	**1828045**	RZB1-17

S 1023

TOOL ASSORTMENT FOR MECHANICAL ENGINEERS 120 pieces

- Practical entry-level toolset
- The range includes mechanical and electrical engineering tools
- Suitable to fit in GEDORE tool trolley no. 2525
- Recommended hook assortment 1500 HS-1023 (53 pieces)

Contents	kg	Code	No.
120 tools in metric sizes	13.0	**1999060**	S 1023

Contents

1 B 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

D 20 4 5 6 7 8 9 10 11 12 13

680 4 5,5 6,5

685 3 4 5 6

685 X 5 6 8

687 TX T10 T15 T20 T25 T27 T30 T40

690 1 2

690 PZD 1 2 3

620

676

699

2090 -4

2093 U -20

1993 U-20

1990 -5 -10

1995

1987

19 8 9 10 11 12 13 14 15 16 17 18 19 21 22 24 27 30 32

VDE 8132 -200 H

VDE 8250 -180 H

VDE 8314 -160 H

VDE 2170 4 5,5

VDE 2160 PH 1 2

V 4614 PLUS

4615 3

171 IS 1,2 1,5 2

165 PH 00 0

8305 -2

8306 -5

42 1,3 1,5 2 (5/64AF) 2,5 3 4 5 6 8 10

97 -150

100 -10

119 -3 -5

600 H -500

248 ST -30

8701 2-8

8719 2-8

8722 2-8

403

4528

710

745

4534 -3

298 -04

8354 -1

8139 -220 TL

S 1093

VDE TOOL ASSORTMENT 26 pieces

- Particularly suited as the initial outfit for electrical specialists
- The GEDORE tool case or tool trolley are suited for mobile assignments
- Recommended hook assortment 1500 HS-1093 (26 pieces)

Contents	kg	Code	No.
26 tools in metric sizes	4.8	**2319942**	S 1093

	Contents
	142 10 C
	VDE 8250 -180 H
	VDE 8132 -160 H
	VDE 8314 -160 H
	VDE 2170 4 5,5 6,5 8
	VDE 2160 PZ 1 2
	V 4614 PLUS
	42 2 (5/64AF) 2,5 3 4 5 6 8 10
	4533 -2
	4528
	8097
	600 H -500
	112 A -250
	110 HS -318
	0175 -06

VDE 1001

VDE TOOL SET 14 pieces

- With practical foam insert in sturdy PVC case
- Dimensions: 395 x 295 x 106 mm
- Cranked allen socket screwdriver no. 42 is for locking the adjusting screw of extension no. VDE 1990, not VDE insulated

12.5 | 1/2"

1000 V

Contents	kg	Code	No.
VDE 19 10 12 13 14 17 19 22 24 **VDE 1993 U** **VDE 1990-5 -10** **VDE 1989 T** **VDE 2170 5,5** **42 2,5**	3.460	**6602560**	VDE 1001

	Contents
	VDE 19 10 12 13 14 17 19 22 24
	VDE 1993 U
	VDE 1990 -5 -10
	VDE 1989 T
	VDE 2170 5,5
	42 2,5

TOOL CASE ELECTRICIAN 90 pieces

- The perfect tool set for the electrician or property manager
- A thoughtful assortment for the work to be done
- Packed in a strong plastic case with aluminium frame
- Three steel hinges, screwed handle, fitted with built in locks
- May be used wherever the right tools have to be always at hand
- GEDORE vanadium tools, chrome-plated
- Dimensions: W 460 x D 380 x H 200 mm

Contents	kg	Code	No.
Tool set S 1090 **+ tool case WK 1090 L**	13.2	**6601590**	1090

Contents

6 14x17 18x19 21x23 22x24

8 4 4,5 5 5,5 6 7 8 9 10 11 12 13

20 4 4,5 5 5,5 6 7 8 9 10 11 13

2087

2095

2098

2090 -4

2093 U -3

42 2 (5/64AF) 2,5 3 4 5 6 7 8 10

60 CP 10

156 S

2153 5,5

2161 PH 1

2160 PZ 1 2

VDE 2160 PH 1 2

VDE 2170 3,5 4 5,5 6,5

4615 3,5

173 5,5 8

174 1

745

4522

4534 -3

401

401 A [10×]

145 10 JC

8096 -140

VDE 8098 -160

VDE 8120 -160

VDE 8250 -180

VDE 8132 AB -160

VDE 8316 -200

95 -175

99 10-2 10-4

101

112 A -250

112 S

600 H -300

72 H -100

E-1090 LK LZ LF LS

VDE ACCESSORIES

VDE 910

VDE RUBBER COVER SHEET

- VDE protective equipment acc. to VDE 0680, Part 1
- Thickness: 1.6 mm
- Rolled storage prevents from cracking!

L	W	kg	Code	No.
130	130	0.040	**1826816**	VDE 910 13
250	350	0.210	**1826832**	VDE 910 25
500	500	0.430	**1827030**	VDE 910 50
600	600	0.700	**1828193**	VDE 910 60
1000	1000	1.800	**1828207**	VDE 910 100
1200	1200	2.950	**1828215**	VDE 910 120

V 915

NH-FUSE INSERTION GLOVE WITH SLEEVE

1000 V

- To work on NH fuse inserts sizes 00 to 3
- To insert and remove low-tension high-performance fuses (NH fuse inserts)
- Can also be used for other devices applied instead of the fuse inserts, e.g. earthing and short-circuiting devices, inserting or removing blind fuse elements
- With contact blades to DIN 43620 Part 1, sizes 00 - 3 for nominal voltage to 600 V alternating voltage

kg	Code	No.
0.460	**2661314**	V 915

VDE 911

VDE INSULATION MAT

- VDE protective equipment acc. to VDE 0303
- Thickness: 4.5 mm
- Rolled storage prevents from cracking!

L	W	kg	Code	No.
1000	1000	6.0	**1828258**	VDE 911 100
10000	1000	60.0	**1828266**	VDE 911 1000

VDE 913

VDE PLASTIC CLAMP

- VDE protective equipment acc. to VDE 0680, Part 1

mm	kg	Code	No.
80	0.030	**1828304**	VDE 913 80
160	0.070	**1828312**	VDE 913 160

VDE 912

VDE ELECTRICIANS' SAFETY GLOVES

1000 V

- Acc. to DIN EN 60903
- Made of natural latex

kg	Code	No.
0.215	**1828274**	VDE 912 9
0.215	**1828282**	VDE 912 10

VDE 912

UNDER-GLOVES for VDE 912

kg	Code	No.
0.050	**1828290**	VDE 912 50

VDE 914

VDE METER CONNECTION FITTINGS

1000 V

- For insulating single cores
- Conical form
- Made from resilient plastic
- VDE 914 1 with Designation 1
- VDE 914 2 with Designation 2
- VDE 914 3 with Designation 3

mm	Ø	kg	Code	No.
80	10	0.005	**2324938**	VDE 914 1
80	10	0.005	**2324946**	VDE 914 2
80	10	0.005	**2324954**	VDE 914 3

V 917

CABLE SPLITTING WEDGE

1000 V

- Insulated acc. to IEC 60900
- From polyamide
- Suitable for mounting cable feeder terminals and splaying primary conductor cables
- Assistance when cutting cable cores, no slipping

kg	Code	No.
0.160	**2661462**	V 917

VDE VARIOUS

VDE 4522

VDE CABLE KNIFE

- Strong, straight blade made from hardened and tempered steel
- Tough, resilient plastic handle
- VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900

1000 V

			Code	No.
50	180	0.104	**6690400**	VDE 4522

VDE 4527

VDE CABLE KNIFE with hooked blade

- For slitting and stripping damp-proof installation cables
- With blade protector
- VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900

1000 V

			Code	No.
40	203	0.098	**6698490**	VDE 4527

VDE 4522 K

VDE CABLE KNIFE

- Strong, straight blade made from hardened and tempered steel
- 2-component plastic handle
- VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900

1000 V

			Code	No.
50	200	0.105	**2661497**	VDE 4522 K

VDE 4527 K

VDE CABLE KNIFE with hooked blade

- For slitting and stripping damp-proof installation cables
- Blade from hardened and tempered steel
- With blade protector
- VDE insulation up to 1000 V, acc. to EN 60900/IEC 60900

1000 V

			Code	No.
42	198	0.105	**2661489**	VDE 4527 K

V 406

HACKSAW

- For pinned hacksaw blades, 148 mm
- Insulated handle up to 1000 V
- Not certified acc. to VDE

1000 V

⊢ mm ⊣		Code	No.
265	0.229	**6120060**	V 406

GEDORE INDIVIDUAL | CHECK | COAT | FORGE | MOD | RAL | SIZE

Technical Symbols

kg	Weight (total)	6.3	¼"		Depth of opening / overhang
◄ mm ►	Length (total)	10	⅜"		Depth of opening / Clamping width / Clamping range
L"	Length (total)	12.5	½"	Square drive (external)	mm Jaw width / tape width
∅ mm	Diameter (also dia. of head, of shaft, of points)	20	¾"		new
∅ "inch	Diameter	25	1"		Catalogue page

Installation Tools

Service / Features		554 – 555
Chain Pipe Wrenches		556 – 559
Strap Wrenches		560
Water Pump / Universal Pliers		560 – 561
Pipe Cutters for steel and cast iron pipes		562 – 563
Pipe Cutters / Pipe Deburring Reamer for stainless steel pipes		563 – 564
Pipe Cutters / Pipe Deburring Reamer / Calibrating Tool for copper pipes		564 – 565
Pipe Cutters for plastic pipes		566 – 567
Flaring Tools		568 – 569
Installation Tools		570
Basin Wrenches		571
Plumbing Wrenches		571
Stepped Keys / Valve Spanner		572 – 573
Sheet metal forming tools		573
Tin snips		574
Arc Punches		575

GEDORE pipe wrenches

Top quality to meet maximum requirements

- Use of the most up-to-date machinery and environmentally-friendly production processes
- Everything is based on tightly controlled and selected materials
- Experienced and reliable specialists vouch for precision-like processing
- Stringent quality checks after each production step ensure a constantly high level
- High-grade industrial quality for the toughest forms of continuous use and safety in everyday work

Precision, dimensioned accuracy and fitting exactness

- The most important requirements for non-taxing and safe working

Everything handled down to a tee

- The absence of Chrome 6 in the tools is simply a matter of course for us and has been so for many years.
- Best-possible results are down to the unique manufacturing processes and special treatment for tools

Pipe wrenches subject to full hardening/tempering

- All GEDORE Swedish pipe wrenches **are hardened and tempered** across their entire length and cross-section.

Serrated face flame-hardening

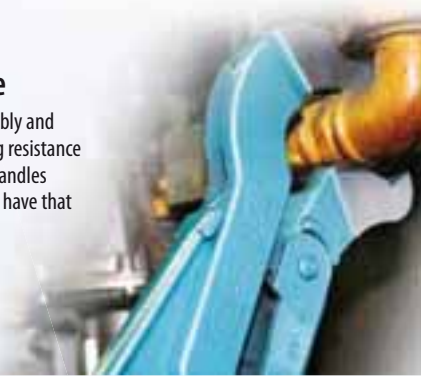
- All GEDORE Swedish pipe wrenches are additionally flame-hardened at the teeth by a hardness unit developed by our Special Machinery Construction section. A uniform distribution of temperature across the entire jaw surface ensures a stress-relieved additional hardening of the surface of the teeth. The DIN specified hardness values are surpassed with ease by GEDORE pipe wrenches. The grip holds up for years even under the rough and tough daily routine.

Round thread with undetachable adjusting nut

A non-detachable adjusting nut with round thread ensures a width adjustment. A round thread stands up better than other thread types to mechanical damage and soiling. It allows the adjusting nut on the pliers shaft to run rapidly, evenly and precisely.

Self-clamping serrated face

The self-clamping serrated face grips reliably and firmly and this is intensified as the turning resistance is increase. There is no need to press the handles together. GEDORE Swedish pipe wrenches have that non-slip grip - even on smooth pipes.



Manufacturing process for pipe wrenches

The pipe pliers comprise a hook, shaft, sleeve, knurled nut and locking ring. The individual parts are initially manufactured separately. Final machining is carried out on the assembled pipe wrench.

The Head

(1) The blank is stamped in an eccentric press from steel flat stock. The steel used is GEDORE chrome-vanadium special steel. The thick head and slim shaft can already be identified

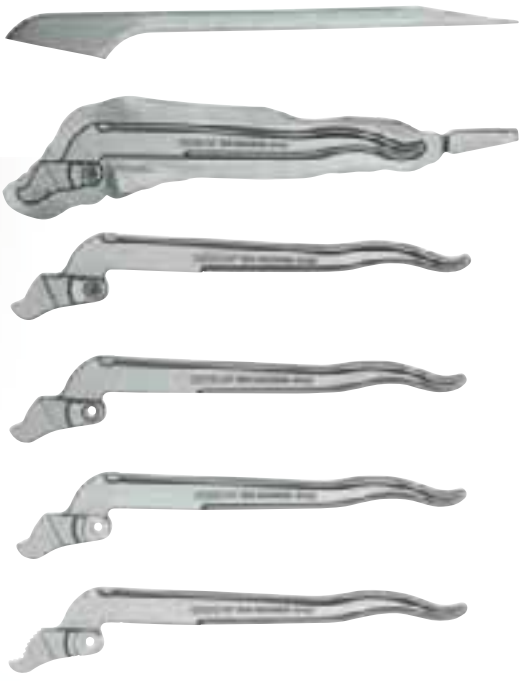
(2) The blank is heated precisely to forging temperature in the continuous furnace and then forged in a forging die

(3) The excess material is removed by de-burring. Scale is removed by sand blasting and grinding

(4) Thread cutting

(5) The slot for the shaft is milled. The teeth are broached

The Shaft



(1) The blank is stamped in an eccentric press from steel flat stock. The steel used is GEDORE chrome-vanadium special steel. The thick head and slim shaft can already be identified.

(2) The blank is heated precisely to forging temperature in the continuous furnace and then forged in a forging die.

(3) The excess material is removed by de-burring. Scale is removed by sand blasting and grinding.

(4) The rivet hole for the sleeve is drilled.

(5) The joint is machined to its final geometry in the machining centre.

(6) The teeth are broached.

The Sleeve

(1) The sleeve is stamped from steel

(2) The sleeve is pre-bent

(3) The stamped geometry gives the finished sleeve high flexural strength. It is subsequently hardened in the continuous furnace

(1) In the area of the slot, the hook is widened and pushed through the shaft. Once this is done, the hook is pressed back to its original size.

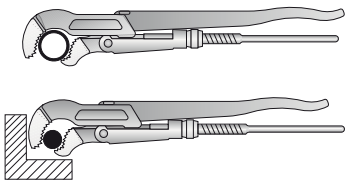
(2) In the continuous furnace, the pipe wrench is heated to hardening temperature, quenched in a water bath and completely hardened through. To achieve the optimum combination of hardness and toughness, the wrench is annealed throughout. The teeth of GEDORE pipe wrenches are then once again flame hardened. The additional hardness this achieves ensures a long tool life. The sleeve is pushed on the shaft and riveted to the hook. Before entering the paint shop, the pipe wrench is straightened, descaled and degreased.

(3) The pipe wrench is stove enamelled. The side surfaces of the head are ground and treated with a corrosion-protection agent. The final step is to screw on the knurled nut and the locking ring.

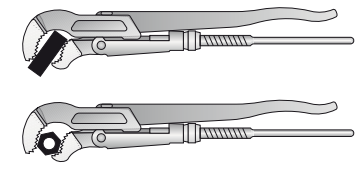
Eck-Schwede-snap® - the swedish

Tried and tested bestseller with a powerful grip for more than 50 years

WORKING PRINCIPLE



The jaw form of the snap® reliably prevents the workpiece slipping out, and ensures maximum freedom of movement in confined spaces



The curvature of the jaws adapts ideally to different profiles, enabling the snap® to grip hexagonal nuts - gently and securely

(1) The special, supplementary flame hardening of the teeth increases and improves the grip and durability of the snap®

(5) The mouth of the jaw opening is always narrower than the pipe diameter, reliably preventing the workpiece from slipping out. Securely grips pipes and screw couplings

(2) Force is always applied by snap® simultaneously at three points, ensuring a secure grip with low hand pressure

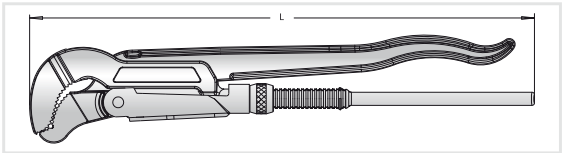
(3) Hook and leg made from drop-forged GEDORE special chrome-vanadium steel, hardened and tempered

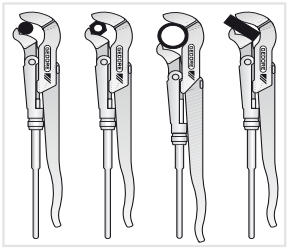
(4) Stove enamelling guarantees long-life protection

100

ELBOW PIPE WRENCH ECK-SCHWEDE-SNAP® - THE SWEDISH THE ORIGINAL

- Acc. to DIN 5234, Form C
- Heavy-duty pipe wrench with three-point grip
- For working in confined spaces
- GEDORE special chrome-vanadium steel
- Drop forged
- Tempered, teeth additionally hardened
- Teeth offset against direction of rotation
- Roller secured against loss
- Stove enamelled blue, head ground



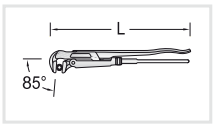


Size	mm	L	kg	Code	No.
1/2	35	245	0.380	**4500060**	100 1/2
1	48	320	0.800	**4500140**	100 1
1.1/2	60	420	1.400	**4500220**	100 1.1/2
2	80	550	2.240	**4500300**	100 2
3	110	630	3.580	**4500490**	100 3

175

PIPE WRENCH Swedish pattern

- Acc. to DIN 5234 Form A
- Especially sturdy type for heavy use
- Head angled 85°
- GEDORE special chrome-vanadium steel
- Drop forged
- Tempered, teeth additionally hardened
- Teeth offset against direction of rotation
- Roller secured against loss
- Stove enamelled blue

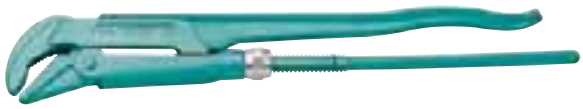


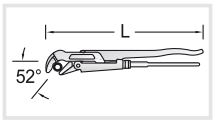
Size	mm	L	kg	Code	No.
3/4	38	280	0.505	**6437260**	175 3/4
1	44	320	0.695	**6437340**	175 1
1.1/2	62	430	1.470	**6437420**	175 1.1/2
2	76	580	2.550	**6437500**	175 2
3	105	670	3.780	**6437690**	175 3
4	130	760	5.635	**6437770**	175 4

176

ELBOW PIPE WRENCH

- Acc. to DIN 5234 Form B
- For working in confined spaces
- Narrow head, multi-grip jaw pattern, angled 52°
- GEDORE special chrome-vanadium steel
- Drop forged
- Tempered, teeth additionally hardened
- Self-gripping by teeth offset against direction of rotation
- Roller secured against loss
- Stove enamelled blue





Size	mm	L	kg	Code	No.
3/4	38	280	0.445	**6438070**	176 3/4
1	44	320	0.775	**6438150**	176 1
1.1/2	62	430	1.405	**6438230**	176 1.1/2
2	76	580	2.570	**6438310**	176 2
3	105	670	3.640	**6438580**	176 3

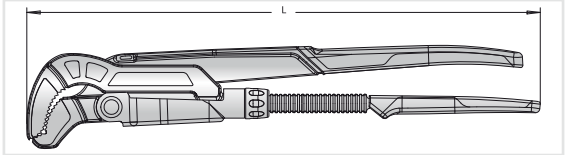
9100 2K

PIPE WRENCH 2C

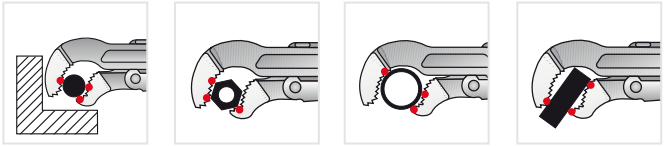
- Acc. to DIN 5234, Form C
- For working in confined spaces
- GEDORE special chrome-vanadium steel
- Drop forged
- Tempered, teeth additionally hardened
- Teeth offset against direction of rotation
- Non-slip surfaces, in sizes 1" and 1.1/2" with 2-component handles
- Roller secured against loss
- Stove enamelled blue

9100 2K 1
9100 2K 1.1/2

9100 2K 1/2
9100 2K 2
9100 2K 3



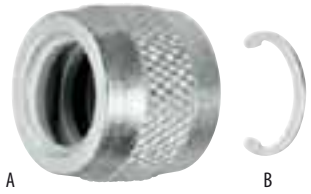
Size	2C-handle	mm	L	kg	Code	No.
1/2		35	245	0.400	**2530252**	9100 2K 1/2
1	X	48	320	0.800	**2530260**	9100 2K 1
1.1/2	X	60	420	1.400	**2530279**	9100 2K 1.1/2
2		80	550	2.200	**2530287**	9100 2K 2
3		110	630	3.600	**2530295**	9100 2K 3



E-100 / E-175 / E-9100

SET OF SPARES

- A = Roller / Adjuster screw
- B = Circlip



No. 100	No. 175	No. 176	No. 9100	kg	Code	No.
1/2				0.010	**2133792**	E-100 A 1/2
1		1		0.030	**1682938**	E-100 A 1
1.1/2		1.1/2		0.040	**1737597**	E-100 A 1.1/2
2 + 3		2		0.070	**1628984**	E-100 A 2
	3/4	3/4		0.010	**5435000**	E-175 A 3/4
	1			0.030	**5435190**	E-175 A 1
	1.1/2			0.040	**5435270**	E-175 A 1.1/2
	2			0.070	**5435350**	E-175 A 2
	3	3		0.070	**5435430**	E-175 A 3
	4			0.080	**1391607**	E-175 A 4
			1/2	0.003	**2601028**	E-9100 A 1/2
			1	0.010	**2601273**	E-9100 A 1
			1.1/2	0.012	**2601281**	E-9100 A 1.1/2
			2 + 3	0.025	**2601311**	E-9100 A 2
1/2	3/4 + 1	3/4	1/2	0.001	**5436240**	E-100 B 1/2
1	1.1/2	1	1	0.002	**5436400**	E-100 B 1
1.1/2	2	1.1/2	1.1/2	0.001	**5436590**	E-100 B 1.1/2
2 + 3	3 + 4	2 + 3	2 + 3	0.020	**5436670**	E-100 B 2

227

PIPE WRENCH American pattern

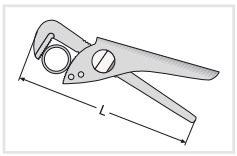
- Extra heavy type
- Forged parts tempered
- Teeth offset against direction of rotation and induction-hardened
- Handle made from malleable cast iron
- GEDORE special hardened and tempered steel, ground
- Handles stove enamelled

mm	"inch	mm	"inch	∅"inch	kg	Code	No.
190	8	38	1.1/2	1	0.440	**6453030**	227 8
245	10	48	1.7/8	1.1/2	0.850	**6453110**	227 10
325	14	60	2.3/8	2	1.751	**6453460**	227 14
415	18	76	3	2.1/2	2.701	**6453540**	227 18
560	24	89	3.1/2	3	4.280	**6453620**	227 24

152

HIGH-SPEED PIPE WRENCH with screw adjuster

- GEDORIT powder-coated blue hammer finish
- Forged components
- Induction-rehardened serrated faces
- Quick and easy setting with screw adjuster - single-hand adjustment
- Gripping faces selfinhibiting



L	L"	mm	"inch	Pipes	Sockets	kg	Code	No.
178	7	35	1.3/8	1"	3/4"	0.300	**6419280**	152 7
228	9	42	1.5/8	1.1/4"	1"	0.531	**6419360**	152 9
281	11	61	2.3/8	2"	1.3/4"	0.851	**6419440**	152 11
315	12	74	3	2.1/2"	2"	1.038	**6419520**	152 12
360	14	90	3.9/16	3"	–	1.656	**6419600**	152 14

137 138 139 398

920 531

CHAIN PIPE WRENCHES

120

CHAIN PIPE WRENCH BOSS

- Ideal for use in areas with restricted access
- Ratchet-type operation
- Plastic grip prevents hand from slipping off
- Handle in GEDORE special chrome-vanadium steel
- Drop forged
- Tempered, teeth additionally hardened
- Stove enamelled blue

Size	∅ mm	⊢ mm ⊣	kg	Code	No.
3/8-4	17-114	355	0.840	**4502350**	120000

E 120

SPARE CHAIN BOSS

⊢ mm ⊣	kg	Code	No.
450	0.320	**4535280**	120200

36 Z 609

122

CHAIN PIPE WRENCH American pattern

- High efficiency due to maximum-possible lever action
- Tempered steel acc. to EN 10083
- With hardened exchangeable jaws, toothed on both sides
- Stove enamelled blue

Size	∅ mm	⊢ "inch ⊣	⊢ mm ⊣	kg	Code	No.
1/8-2	10-60	20	510	2.5	**4535360**	122002
1/4-3	13-89	28	710	4.0	**4535440**	122003
3/4-4	27-114	37	940	6.6	**4502430**	122004
1-6	33-168	43	1090	9.1	**4502510**	122006
1.1/2-8	48-219	50	1275	13.0	**4548340**	122008
2-12	60-324	63	1600	22.1	**4548420**	122012

E 122

SPARE CHAIN

Size	⊢ mm ⊣	kg	Code	No.
1/8-2	380	0.725	**4548500**	122202
1/4-3	490	0.950	**4548690**	122203
3/4-4	610	1.410	**4548770**	122204
1-6	850	2.200	**4548850**	122206
1.1/2-8	1080	3.300	**4548930**	122208
2-12	1450	5.740	**4549070**	122212

E 122

SPARE JAWS (PAIR)

Size	kg	Code	No.
1/8-2	0.340	**4549150**	122302
1/4-3	1.030	**4549230**	122303
3/4-4	1.520	**4549310**	122304
1-6	2.100	**4549580**	122306
1.1/2-8	2.640	**4549660**	122308
2-12	4.450	**4549740**	122312

STRAP WRENCHES

36

STRAP WRENCH

- With strong, non-slip fabric strap (E-36), extra wide = 25 mm
- 36 1-140 made from C45 steel
- 36 2-200 made from GEDORE vanadium steel 31CrV3
- Chrome-plated

∅ mm	∅ inch	mm	mm	kg	Code	No.
140	9/64	220	25	0.278	**6327320**	36 1-140
200	13/64	285	25	0.578	**6327400**	36 2-200

E-36

STRAP WRENCH

- Strong, non-slip fabric strap, extra wide = 25 mm

mm	mm	kg	Code	No.
480	25	0.062	**5327380**	E-36 1-140
900	25	0.104	**5327460**	E-36 2-200

36 Z

SPECIAL STRAP WRENCH

- For tightening and counter-holding V-belt pulley wheels
- Spare strap E-36 Z

mm	∅ mm	∅ inch	kg	Code	No.
257	160	5/32	0.379	**6320070**	36 Z-140

E-36 Z

SPARE STRAP

mm	kg	Code	No.
257	0.080	**1380613**	E-36 Z-140

126

STRAP WRENCH

- Very gentle to surfaces, particularly suitable for chrome-plated fittings and polished surfaces
- Handle in light metal, enamelled blue
- With high-strength nylon strap

∅ mm	∅ inch	mm	mm	kg	Code	No.
220	8	300	27	0.325	**1468308**	126008

E 126

SPARE STRAP

- High-strength nylon strap

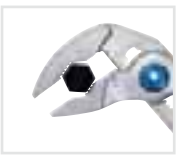
mm	mm	kg	Code	No.
950	27	0.035	**1468316**	126208

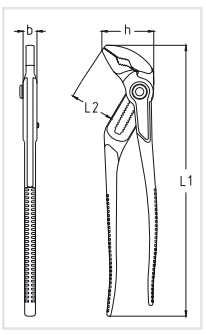
WATER PUMP / UNIVERSAL PLIERS

142

UNIVERSAL PLIERS

- Acc. to DIN ISO 8976 Form C
- With safety box joint and protection against blocking
- Fine adjustment
- 142 7 = 17 settings
- 142 10 = 15 settings
- 142 12 = 17 settings
- Single-hand push-button adjustment
- Long slim jaws
- Offset gripping faces for self-gripping of nuts and pipes
- GEDORE special chrome-vanadium steel
- Induction-rehardened serrated faces
- Model C = slim handles with forged serrations
- Model TL = agate-grey, with blue dipped handle protectors
- Model JC = chrome-plated, 2-component handles



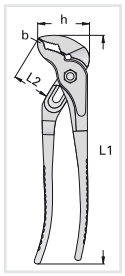


L_1	L_2	b	h	mm	kg	Code	No.
180	32	6.5	40	37	0.183	**2668211**	142 7 TL
180	32	6.5	40	37	0.173	**2668238**	142 7 C
255	39	7.5	48	38	0.371	**6416180**	142 10 TL
250	39	7.5	48	38	0.380	**6416260**	142 10 C
260	39	7.5	48	38	0.417	**6416340**	142 10 JC
309	43	8.5	55	44	0.550	**1995413**	142 12 TL
300	43	8.5	55	44	0.530	**1995553**	142 12 C

143

UNIVERSAL PLIERS 6 settings

- Acc. to DIN ISO 8976 Form B
- Slim head
- Forged twin-groove lay-on slip joint and toothed recess
- Offset gripping faces for self-gripping of nuts and pipes
- With finger protection
- For pipes up to 1.1/2" and nuts up to 38 mm
- GEDORE special chrome-vanadium steel, chrome-plated
- Induction-rehardened serrated faces
- Model C = slim handles with forged serrations
- Model JC = chrome-plated, 2-component handles

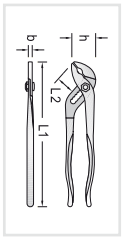


L_1	L_2	b	h	mm	kg	Code	No.
256	40	10.6	56	38	0.340	**6410650**	143 10 C
262	40	10.6	56	38	0.390	**6415880**	143 10 JC

144

MECHANICS PLIERS 7 settings

- Acc. to DIN ISO 8976 Form A
- Lay-on slip joint and straight, serrated jaws
- GEDORE special chrome-vanadium steel
- Induction-rehardened serrated faces

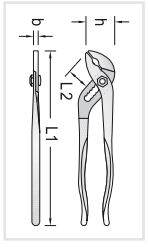


L_1	L_2	b	h	mm	kg	Code	No.
113	13	3.8	23	16	0.042	**6411110**	144 4.1/2 C
175	22	5.5	35	26	0.138	**6411380**	144 7 C

145

WATER PUMP PLIERS

- Acc. to DIN ISO 8976 Form A
- Lay-on slip joint and toothed recess
- Induction-rehardened serrated faces, with finger protection
- GEDORE special chrome-vanadium steel, chrome-plated
- Model C = handles cross-hatched
- Model JC = with 2-component handle sleeves
- 145 10 = 7 settings, with extra narrow jaws
- 145 15 = 9 settings
- 145 20 = 11 settings

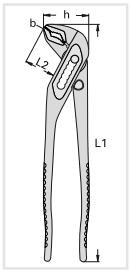


L_1	L_2	b	h	mm	kg	Code	No.
250	41	7.8	47	39	0.365	**6412000**	145 10 C
260	41	7.8	47	39	0.425	**6415610**	145 10 JC
375	46	10.4	72	50	0.854	**6412190**	145 15 C
500	55	13.8	98	65	1.747	**6412270**	145 20 C

146

UNIVERSAL PLIERS 7 settings

- Acc. to DIN ISO 8976 Form C
- With safety box joint and finger protection
- Automatic clamping with offset gripping surfaces
- GEDORE special chrome-vanadium steel, chrome-plated, with polished surface
- Induction-rehardened serrated faces
- Model C = slim handles with forged serrations
- Model JC = chrome-plated, 2-component handles



L_1	L_2	b	h	mm	kg	Code	No.
250	32.5	4.8	48	31	0.335	**6413240**	146 10 C
250	32.5	4.8	48	31	0.400	**2672626**	146 10 JC

146 B

SPECIAL WATER PUMP PLIERS 5 settings

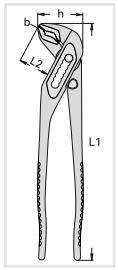
- Acc. to DIN ISO 8976 Form C
- With fast adjustment and tooth-lock box joint and toothed aperture
- Absolutely safe - no slipping out of adjustment during work
- With finger protection
- GEDORE special chrome-vanadium steel, chrome-plated, polished

L_1	L_2	b	h	mm	kg	Code	No.
250	45	8	55	50	0.485	**6412510**	146 B 10

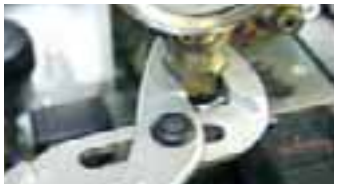
9144

WATER PUMP PLIERS

- To DIN ISO 8976
- Chrome-vanadium steel
- With box joint
- Drop forged



L_1	L_2	b	h	mm	kg	Code	No.
175	28	7.0	33	26	0.150	**4533230**	914417
240	35	7.5	40	33	0.290	**4533310**	914424
300	40	9.0	60	45	0.480	**4533580**	914430



APPLICATIONS OF THE GEDORE PIPE CUTTERS

	No. 210	No. 217	No. 218	No. 220	No. 222	No. 224	No. 225010	225011	No. 226100	No. 2268	No. 227	No. 229	No. 2300	No. 2303	No. 231
Steel pipes	3"-8"*			1/8"-4"*	1/8"-4"*										
Cast iron pipes EN 545	DN80-250*			DN40-100*	DN40-100*										
SML pipes EN 877	DN80-250*			DN40-100*	DN40-100*										
Electrical installation pipes EN 60423			M 12-50*			M 12-50*	M 12-32	M 12-32					M 12-63*	M 12-63*	
Multi-layer composite pipes		6-67 mm								*	50-140 mm*				
Plastic pipes		6-67mm							16-25 mm	up to 63 mm*	50-140 mm*				
Copper pipes EN 1057			4-60 mm*			16-66 mm*	6-35 mm	6-35 mm				4-35 mm	4-65 mm*	4-65 mm*	4-16 mm
Sheathed copper pipes			*			*	*	*				*	*	*	*
Thin-walled NF pipes			4-60 mm*			16-66 mm*	6-35 mm	6-35 mm				4-35 mm	4-65 mm*	4-65 mm*	4-16 mm
Hydraulic pipes EN 10305-1 (DIN 2391)			4-60 mm*	10-114 mm*	10-114 mm*	16-66 mm*	6-35 mm	6-35 mm				4-35 mm	4-65 mm*	4-65 mm*	4-16 mm
Precision steel pipes EN 10305-3 (DIN 2394)			4-60 mm*	10-114 mm*	10-114 mm*	16-66 mm*	6-35 mm	6-35 mm				4-35 mm	4-65 mm*	4-65 mm*	4-16 mm
Stainless steel pipes EN 10088-3 (DIN 17 440)			4-60 mm*			16-66 mm*		6-35 mm						4-65 mm*	

*) depending on size / finish / pipe properties

PIPE CUTTERS FOR STEEL AND CAST IRON PIPES

210

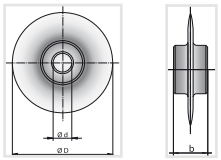
LINK PIPE CUTTER for steel, SML and cast iron pipes

- Low space requirements due to ratchet-type operation
- In the standard version suitable for pipes from 85 to 175 mm Ø
- Can be extended if needed with extension set no. 210100, see table "Cutting range link pipe cutter no. 210015"
- Stove enamelled blue

∅ mm	Wall thickness	kg	Code	No.
85-175	3,2-8,0	5.7	**4536250**	210015

E 210

SPARE PARTS

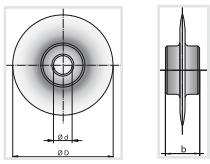


Description	Ø D	b	Ø d	kg	Code	No.
Cutting wheel	50	11	11	0.080	**4536410**	210200
Spare link				0.290	**4551480**	210500
Spare bolt				0.027	**4536680**	210600

E 210

EXTENSION KIT

- For extending the cutting range at No. 210015
- For more information see table "Cutting range link pipe cutter no. 210015"



Contents	kg	Code	No.
1 Cutting wheel for steel No. 210200	0.400	**2799626**	210100
1 Spare link No. 210500			
1 Spare bolt No. 210600			

CUTTING RANGE OF THE LINK PIPE CUTTER NO. 210015

Cutting range from min. Internal Ø mm to max. External Ø mm			Number of cutting wheels	Accessories required
85	-	115	3*	
110	-	145	4*	
135	-	175	5	
165	-	200	6	1 x 210100
190	-	225	7	2 x 210100
220	-	250	8	3 x 210100
240	-	280	9	4 x 210100
270	-	300	10	5 x 210100
295	-	330	11	6 x 210100

* the link pipe cutter must be reduced by the corresponding number of cutting wheels

220

PIPE CUTTER TUBEX for steel, SML and cast iron pipes

- Heavy-duty pipe cutter with 1 cutting wheel
- By exchanging the cutting wheels, may also be used for stainless steel pipes
- Frame in malleable cast steel
- With elastic feed using especially-installed spring system (size 2")
- Spindle protected by sleeve extension
- Stove enamelled blue, spindle gun-metal finished

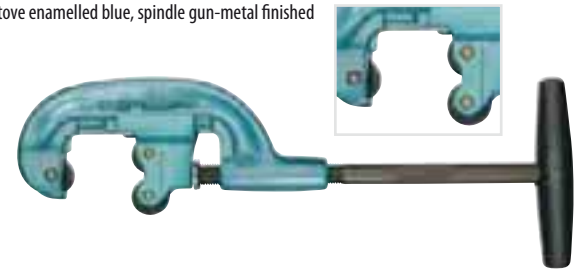
- **Version with 3 cutting wheels see no. 222**

Size	∅ mm	Wall thickness	⊢ mm ⊣	kg	Code	No.
1/8-2	10-60	2,0-6,3	380	2.9	**4503400**	220020
1.1/4-4	42-114	2,6-8,0	520	5.0	**4503590**	220040

222

PIPE CUTTER TUBEX for steel, SML and cast iron pipes

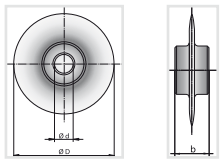
- Heavy-duty pipe cutter with 3 cutting wheels
- Ideal for working in confined, hard-to-reach places, since the cutter does not need to be turned through 360°
- By exchanging the cutting wheels, may also be used for stainless steel pipes
- Frame in malleable cast steel
- With elastic feed using especially-installed spring system (size 2")
- Spindle protected by sleeve extension
- Stove enamelled blue, spindle gun-metal finished



Size	∅ mm	Wall thickness	⊢ mm ⊣	kg	Code	No.
1/8-2	10-60	2,0-6,3	380	2.7	**4537060**	222020
1.1/4-4	42-114	2,6-8,0	520	4.8	**4553420**	222040

E 220 - E 223

SPARE PARTS



Description	Ø D	b	Ø d	kg	Code	No.
Cutting wheel 1/8-2"	32	19	9	0.028	**4503750**	220220

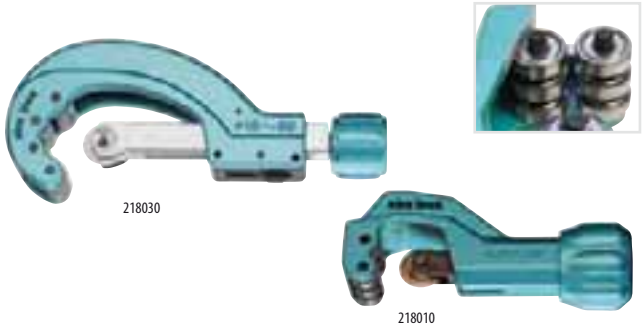
Description	Ø D	b	Ø d	kg	Code	No.
Cutting wheel for niro 1/8-2"	32	19	9	0.028	**1524038**	220221
Cutting wheel 1.1/4-4"	41	19	9	0.038	**4503830**	220240
Cutting wheel for niro 1.1/4-4"	41	19	9	0.040	**1516884**	220241
Wheel bolt 1/8-2"				0.015	**4552450**	220620
Wheel and pressure roller bolt 1.1/4-4"				0.019	**4552530**	220640

PIPE CUTTERS FOR STAINLESS STEEL PIPES

218

HEAVY-DUTY PIPE CUTTER for stainless steel pipes

- Easy cutting due to ball-bearing pressure rollers and cutting wheels
- Body in pressure-cast aluminium
- Cutting wheel with high service life
- No. 218030 with quick-release



218030

218010

∅ mm	Wall thickness	⊢ mm ⊣	kg	Code	No.
4-32	0,7-3,0	140	0.310	**1949748**	218010
6-50	0,7-3,0	170	0.390	**1949764**	218020
16-60	0,7-3,0	225	1.100	**1949772**	218030

224

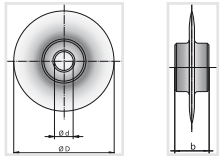
RATCHET PIPE CUTTER NIRO for stainless steel pipes

- Low space requirements, therefore highly suitable for working on vehicle exhaust gas systems
- Body in zinc-plated pressure-cast aluminium
- Easy handling via ratchet feed with automatic infeed of the cutting wheel with every rotation
- Cutting wheel made from high-alloy stainless steel, with high service life
- One spare cutting wheel in addition

∅ mm	Wall thickness	⊢ mm ⊣	kg	Code	No.
16-35	1,0-3,0	260	0.930	**1600877**	224011
25-66	1,0-3,0	360	1.710	**1600885**	224021

E 218

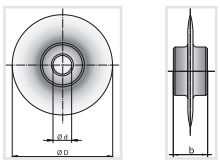
SPARE PARTS



Description	Ø D	b	Ø d	kg	Code	No.
Cutting wheel for 218010+020	22.0	7.9	5.0	0.005	**1949780**	218210
Cutting wheel for 218030	27.5	7.9	5.0	0.007	**1949799**	218230
Spare bolt for 218010+020				0.003	**1974025**	218610
Spare bolt for 218030				0.005	**1974033**	218630

E 224

SPARE PARTS



Description	Ø D	b	Ø d	kg	Code	No.
Cutting wheel size 1 + 2	26	6.3	4.8	0.007	**1621440**	224211
Wheel bolt size 1 + 2				0.003	**1621459**	224611

225

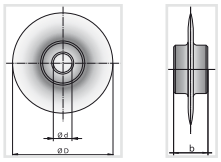
PIPE CUTTER NIRO for stainless steel pipes

- Special compact design
- Body in pressure-cast zinc
- With retractable deburring tool, spare cutting wheel in handle
- Cutting wheel with high service life
- Enamelled blue

∅ mm	Wall thickness	⊢ mm ⊣	kg	Code	No.
6-35	0,7-3,0	185	0.435	**1568418**	225011

E 225

SPARE PARTS



Description	Ø D	b	Ø d	kg	Code	No.
Cutting wheel for stainless steel	20	4.8	5.1	0.005	**2304414**	225211
Wheel bolt				0.003	**1467840**	225610

2303

PIPE CUTTER QUICK AUTOMATIC NIRO for stainless steel pipes

- Body in pressure-cast zinc
- Cutting wheel made from high-alloy stainless steel, with high service life
- Automatic infeed by plate springs
- Enamelled blue

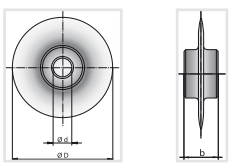
Gr. 1

Gr. 2

Size	∅ mm	Wall thickness	⊢ mm ⊣	kg	Code	No.
1	4-32	0,7-3,0	165	0.430	**1154990**	230311
2	13-65	1,0-3,0	275	1.420	**1154850**	230321

E 2303

SPARE PARTS



Description	for size	Ø D	b	Ø d	kg	Code	No.
Cutting wheel for stainless steel	1	20	4.8	5.1	0.005	**1154710**	230411
Cutting wheel for stainless steel	2	32	9.9	6.1	0.018	**1154680**	230421
Wheel bolt	1				0.003	**1154656**	230611
Wheel bolt	2				0.003	**1154540**	230621

PIPE DEBURRING REAMER FOR STAINLESS STEEL PIPES

2325

PIPE DEBURRING REAMER for stainless steel pipes

- For internal and external deburring of stainless steel pipes
- Aluminium body
- Hardened taper section with 40 deburring blades

∅ mm	⊢ mm ⊣	kg	Code	No.
8-35	60	0.180	**1857681**	232501
10-56	85	0.420	**1419684**	232500

PIPE CUTTERS FOR COPPER PIPES

225

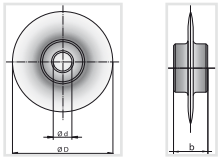
PIPE CUTTER for copper pipes

- Special compact design
- Body in pressure-cast zinc
- For copper, brass, and light-alloy pipes, PVC hard plastic and plastic-coated pipes, thin-walled steel pipes, (precision steel and hydraulic pipes), composite pipes
- With retractable deburring tool, spare cutting wheel in handle
- Enamelled blue

∅ mm	Wall thickness	⊢ mm ⊣	kg	Code	No.
6-35	0,7-3,0	185	0.435	**1460412**	225010

E 225

SPARE PARTS



Description	Ø D	b	Ø d	kg	Code	No.
Cutting wheel	19.5	4.8	5	0.005	**1467824**	225210
Wheel bolt				0.003	**1467840**	225610

229

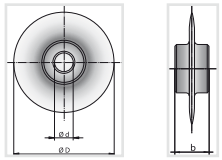
PIPE CUTTER for copper pipes

- Body in pressure-cast zinc
- With mill in handle
- Stove enamelled blue

∅ mm	Wall thickness	⊢ mm ⊣	kg	Code	No.
4-35	0,7-2,5	135	0.470	**4503910**	229010

E 229

SPARE PARTS



Description	Ø D	b	Ø d	kg	Code	No.
Cutting wheel	20	4.8	5.1	0.005	**4504640**	230210
Wheel bolt				0.003	**1154656**	230611

231

MINIATURE PIPE CUTTER MINI-QUICK

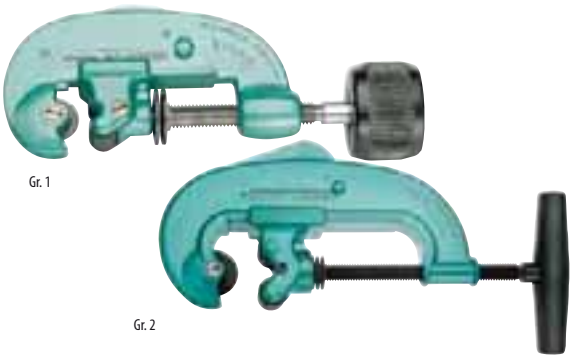
- Particularly suitable for barely accessible places
- For copper, brass, and light-alloy pipes, thin-walled steel pipes (precision steel and hydraulic pipes)
- Body in pressure-cast zinc
- Stove enamelled blue
- Spare cutting wheel for stainless steel pipes no. 230411 can be used

∅ mm	Wall thickness	⊢ mm ⊣	kg	Code	No.
4-16	0,7-3,0	50	0.125	**4504560**	231000

2300

PIPE CUTTER QUICK AUTOMATIC

- Tool body in pressure-cast zinc
- For copper, brass, and light-alloy pipes, PVC hard plastic and plastic-coated pipes, thin-walled steel pipes, (precision steel and hydraulic pipes), composite pipes
- For cutting copper, brass, and light-alloy pipes, PVC hard plastic and plastic-coated (WICU®) pipes, thin-walled steel pipes, (e.g. Ermeto pipes), composite pipes, stainless steel pipes
- With automatic infeed by plate springs, retractable deburring knife
- Stove enamelled blue



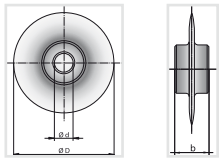
Gr. 1

Gr. 2

Size	∅ mm	Wall thickness	⊢ mm ⊣	kg	Code	No.
1	4-32	0,7-3,0	165	0.435	**4504050**	230010
2	13-65	1,0-7,3	275	1.460	**4504130**	230020

E 2300

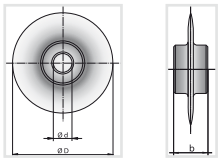
SPARE PARTS



Description	for size	Ø D	b	Ø d	kg	Code	No.
Cutting wheel	1	20	4.8	5.1	0.005	**4504640**	230210
Cutting wheel	2	32	9.9	6.1	0.018	**4504800**	230220
Wheel bolt	1				0.003	**1154656**	230611
Wheel bolt	2				0.003	**1154540**	230621

E 231

SPARE PARTS



Description	Ø D	b	Ø d	kg	Code	No.
Cutting wheel	20	4.8	5.1	0.005	**4504640**	230210
Cutting wheel for stainless steel	20	4.8	5.1	0.005	**1154710**	230411
Wheel bolt				0.003	**1154656**	230611

PIPE DEBURRING REAMER FOR COPPER PIPES

2320

PIPE DEBURRING REAMER

- For internal and external deburring of thin-walled pipes
- Plastic body

∅ mm	⊢ mm ⊣	kg	Code	No.
4-32	45	0.030	**1439510**	232001

CALIBRATING TOOLS FOR COPPER PIPES

239

CALIBRATING TOOL

- For exact calibrating of tube ends
- For semi-hard and soft copper pipes
- Gun-metal finish

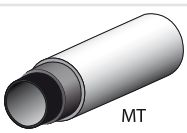
∅ mm	kg	Code	No.
12 x 1	0.067	**4506340**	239012
15 x 1	0.138	**4506420**	239015
18 x 1	0.179	**4506500**	239018
22 x 1	0.270	**4506690**	239022

PIPE CUTTERS FOR PLASTIC PIPES

217

PIPE CUTTER MSR for composite pipes

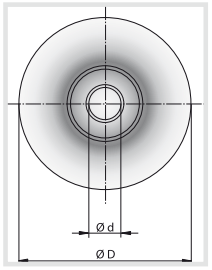
- With quick-release
- To cleanly cut multi-layer composite pipes or other plastic pipes
- Wide field of application for the most common pipe dimensions



∅ mm	Wall thickness	⊢ mm ⊣	kg	Code	No.
6-67	1,5-6,0	250	0.880	**2599201**	217

E 217

SPARE PARTS



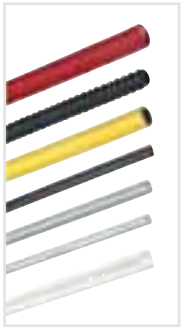
Description	Ø D	b	Ø d	kg	Code	No.
Cutting wheel	26	6.1	5	0.007	**2599228**	E-217 A
Wheel and pressure roller bolt				0.003	**2599236**	E-217 B

2784 258 594

2261

SHEARS SET for plastic pipes

- To cleanly cut hard and soft plastic pipes, rubber hoses with or without textile reinforcement, and as well as various plastic profiled sections, such as cable ducts, for example
- Contains form blocks for 16, 19 and 25 mm pipes, 1 prism for profiles and 1 angle stop adjustable up to 45°
- Delivery in plastic case no. 226090



Contents	kg	Code	No.
1 shears for plastic pipes No. 226000 **1 prism block 90° No. 226001** **1 form block 16 + 19 mm No. 226002** **1 form block 25 mm No. 226003** **1 angle support No. 226004**	1.050	**1637983**	226100

E 2261

PARTS

Description	kg	Code	No.
Spare knife	0.050	**1680137**	226005

2268

PIPE SHEARS for plastic pipes

- Smooth and accurate cutting, one hand operation
- Suitable to cut plastic pipes PE, PP, PVC, PVDF, PB and VPE
- Also suitable for hoses
- Body from aluminium

up to ∅ mm	⟷ mm ⟷	kg	Code	No.
42	225	0.500	**1746073**	226842
63	275	0.650	**1952684**	226863

E 2268

SPARE PARTS

Description	kg	Code	No.
Spare knife for 226842	0.080	**1952692**	226942
Spare knife for 226863	0.160	**1952706**	226963

227

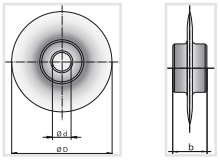
PIPE CUTTER for plastic pipes

- With high-speed adjustment feature
- Frame in light-alloy
- Cutting wheels for copper pipes no. 228220 + 228230 can be used

∅ mm	Wall thickness	⟷ mm ⟷	kg	Code	No.
50-140	4,0-12,8	350	1.345	**4629180**	227055

E 227

SPARE PARTS



Description	Ø D	b	Ø d	kg	Code	No.
Cutting wheel	53	11	8	0.020	**4629690**	227255
Wheel bolt				0.010	**4632210**	227630

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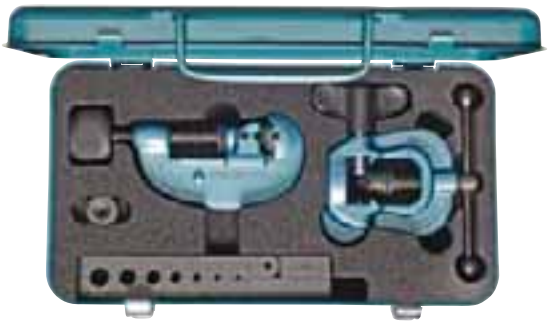
2333

FLARING TOOL SET BOERDEX

- For flaring copper and light-alloy pipes of various hardnesses
- Body in pressure-cast zinc, stove enamelled blue
- Flange cone 90° hardened
- Clamping jaws made from steel, smooth inside, phosphated
- Opening angle 90° = 45° angled from pipe
- With cone no. 233200 for 180° flaring = 90° angle from pipe
- Delivery in sheet steel case no. 233909

- **Flaring tools for brake lines see no. 234**



Contents		kg	Code	No.
for metric pipes		2.9	**4555550**	233301
4, 4,75, 6, 8, 10, 12, 14 mm				
1 basic frame	**No. 233000**			
1 clamping jaw 4-14 mm	**No. 233101**			
1 pipe cutter 4-32 mm	**No. 230010**			
1 cone 180°	**No. 233200**			
1 sheet steel case	**No. 233909**			
for metric pipes		2.9	**1919733**	233309
15, 16, 17, 18, 19 mm				
1 basic frame	**No. 233000**			
1 clamping jaw 15-19 mm	**No. 233109**			
1 pipe cutter 4-32 mm	**No. 230010**			
1 cone 180°	**No. 233200**			
1 sheet steel case	**No. 233909**			
for inch pipes		3.0	**4556280**	233307
3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4"				
1 basic frame	**No. 233000**			
1 clamping jaw 3/16-3/4“	**No. 233107**			
1 pipe cutter 4-32 mm	**No. 230010**			
1 cone 180°	**No. 233200**			
1 sheet steel case	**No. 233909**			

2330

FLARING TOOL BOERDEX

- For flaring copper and light-alloy pipes of various hardnesses
- Body in pressure-cast zinc, stove enamelled blue
- Flange cone 90° hardened
- Clamping jaws made from steel, smooth inside, phosphated
- Opening angle 90° = 45° angled from pipe

- **Flaring tools for brake lines see no. 234**

Contents		kg	Code	No.
for metric pipes		1.4	**4537300**	233001
4, 4,75, 6, 8, 10, 12, 14 mm				
1 basic frame	**No. 233000**			
1 clamping jaw 4-14 mm	**No. 233101**			
for metric pipes		1.4	**1919725**	233009
15, 16, 17, 18, 19 mm				
1 basic frame	**No. 233000**			
1 clamping jaw 15-19 mm	**No. 233109**			
for inch pipes		1.5	**4554660**	233007
3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4"				
1 basic frame	**No. 233000**			
1 clamping jaw 3/16-3/4“	**No. 233107**			

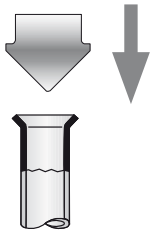
E 233

PARTS

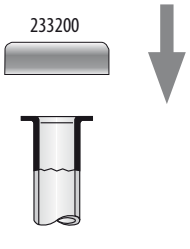
233101-109

233200

Description	kg	Code	No.
Flaring tool	0.660	**4554150**	233000
Clamping jaw 4-14 mm	0.620	**4554820**	233101
Clamping jaw 3/16" - 3/4"	0.680	**4555470**	233107
Clamping jaw 15-19 mm	0.560	**1885162**	233109
Cone for 180° flaring (= 90° angled from pipe)	0.015	**4505450**	233200
Pipe cutter QUICK AUTOMATIC 4-32 mm	0.435	**4504050**	230010
Sheet steel case	1.040	**4556360**	233909



cone 90°



cone 180°

234

DOUBLE FLARING TOOL SET

- For standard-compliant (DIN 74234) double flaring tools on brake lines, coolant lines, hydraulic and pneumatic pipes with a wall thickness of 0.7 to 1.0 mm
- Body in tempered cast iron GTW 40, stove enamelled blue
- Clamping jaws made from steel, smooth inside, phosphated
- Complete set for metric and/or inch pipes
- Delivery in sheet steel case no. 234901

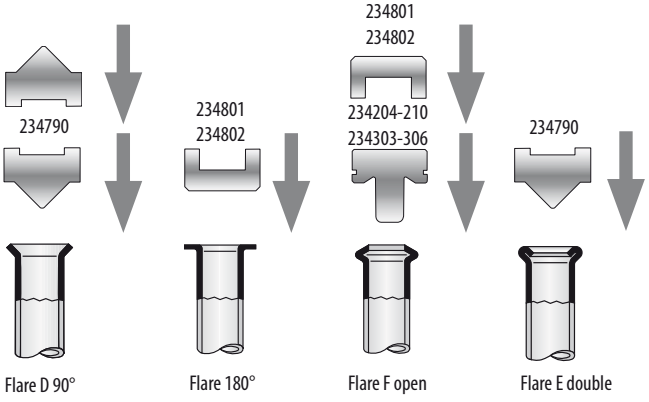
Contents	kg	Code	No.
for metric pipes	3.0	**4505530**	234001
1 basic frame No. 234000			
1 clamping jaw metric No. 234101			
6 cones			
4,75-10 mm No. 234204-234210			
2 cones, No. 234790 + 234801			
1 miniature pipe			
cutter 4-16 mm No. 231000			
1 pipe deburring			
reamer 4-32 mm No. 232001			
1 sheet steel case No. 234901			
for inch pipes	3.0	**4537570**	234002
1 basic frame No. 234000			
1 clamping jaw inch No. 234102			
4 cones			
3/16-3/8" No. 234303-234306			
2 cones No. 234790 + 234802			
1 miniature pipe cutter			
4-16 mm No. 231000			
1 pipe deburring reamer			
4-32 mm No. 232001			
1 sheet steel case No. 234901			
for metric + inch pipes	4.2	**4662980**	234013
1 basic frame No. 234000			
2 clamping jaws No. 234101 + 234102			
6 cones			
4,75-10 mm No. 234204-234210			
4 cones 3/16-3/8" No. 234303-234306			
3 cones No. 234790 + 234801-802			
1 miniature pipe cutter			
4-16 mm No. 231000			
1 pipe deburring reamer			
4-32 mm No. 232001			
1 sheet steel case No. 234901			

920 531

E 234

PARTS

Description	kg	Code	No.
Basic frame	0.880	**4556440**	234000
Clamping jaw metric	0.760	**4556520**	234101
Clamping jaw inch	0.760	**4556600**	234102
Cone 4,75 mm for flare types E + F	0.018	**4556790**	234204
Cone 5 mm for flare types E + F	0.018	**4556870**	234205
Cone 6 mm for flare types E + F	0.018	**4556950**	234206
Cone 8 mm for flare types E + F	0.018	**4557090**	234208
Cone 9 mm for flare types E + F	0.018	**4557170**	234209
Cone 10 mm for flare types E + F	0.018	**4557250**	234210
Cone 3/16" for flare types E + F	0.018	**4557330**	234303
Cone 1/4" for flare types E + F	0.018	**4557410**	234304
Cone 5/16" for flare types E + F	0.018	**4557680**	234305
Cone 3/8" for flare types E + F	0.018	**4557760**	234306
Cone (adjustment gauge) for flare types 90° + 180° and cone 90° + flare E	0.016	**4557840**	234790
Cone (adjustment gauge), metric, 180°, for flare types E + F	0.011	**4557920**	234801
Cone (adjustment gauge), inch, 180°, for flare types E+F	0.011	**4558060**	234802
Pipe cutter MINI-QUICK, 4-16 mm	0.125	**4504560**	231000
Pipe deburring reamer 4-32 mm	0.030	**1439510**	232001
Sheet steel case	1.040	**4558140**	234901



INSTALLATION TOOLS

312

VALVE HOLDER VENTI-QUICK

- In aluminium
- Drain valve holder and screw-in wrench for eccentric and standard valves 1.1/4"
- Usable from top or bottom

⟷ mm ⟷	kg	Code	No.
120	0.255	**4508980**	312000

314

CORNER VALVE SOCKET WRENCH

- Chrome-vanadium steel 31CrV3, hardened, zinc-plated
- For surface-protective assembling of all usual corner valves
- With chamfered driving edges
- 1/2" internal square drive

⟷ mm ⟷	kg	Code	No.
82	0.150	**1147471**	314000

1993 U-20 206

3170

INSTALLATION WRENCH

- For washbasin mountings
- With moveable stud screw insert for bathroom fittings attachment M10 or M12
- Open end spanner size 17x19 mm for tightening or loosening of corner valves

for stud screws	Size	⟷ mm ⟷	kg	Code	No.
M10	17x19 mm	250	0.330	**4509360**	317000
M12	17x19 mm	250	0.330	**4609310**	317012

3175

INSTALLATION WRENCH

- For washbasin mountings
- With moveable stud screw insert for bathroom fittings attachment M10 or M12
- With reversible ring ratchet size 17 mm for tightening or loosening of bathroom fittings connections even in hard-to-reach areas
- Open end spanner size 19 mm for tightening or loosening of corner valves
- GEDORE vanadium steel 31CrV3, matt chrome-plated

for stud screws	Size	⟷ mm ⟷	kg	Code	No.
M10	17x19 mm	250	0.330	**4509520**	317500
M12	19x19 mm	250	0.330	**4609580**	317512

3171

STUD SCREW WRENCH

- For bathroom fittings attachment (stud screws) M6, M8, M10, M12
- With pivotable thread insert
- Nickel-plated

⟷ mm ⟷	kg	Code	No.
220	0.300	**4509440**	317100

3173

STUD SCREW INSERTER

- Self-gripping
- For the fast and easy insertion and removal of studs, bolts, etc.
- With exchangeable hexagon drive

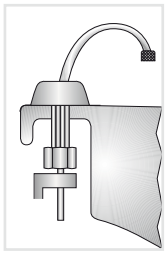
Size	kg	Code	No.
M6	0.130	**1523171**	317306
M8	0.130	**1523198**	317308
M10	0.130	**1523201**	317310
M12	0.130	**1523228**	317312

BASIN WRENCHES

315

BASIN PLIERS

- Chrome-vanadium steel 31CrV3, drop-forged
- Applicable from size 13 to 36 mm
- Enamelled blue

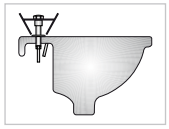


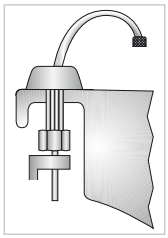
⟷ mm ⟷	kg	Code	No.
270	0.565	**4509010**	315000

3165

BASIN WRENCH

- For single lever taps and taps with central screw connection up to size 36 mm
- With 13 mm hexagon drive and additional adaptors for 9, 10, 11 and 14 mm
- With pivoted hook for right or left hand operation
- Enamelled blue





⟷ mm ⟷	kg	Code	No.
260	0.410	**2829274**	316500

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PLUMBING WRENCHES

320

WRENCH FOR PLUMBING FITTINGS

- With pawl clamp
- With exchangeable plastic jaws no. 320100, width 8 mm
- For nickel-plated and chrome-plated fittings
- Chrome-vanadium steel 31CrV3, hardened, chrome-plated
- Handle enamelled blue

mm	mm	⟷ mm ⟷	kg	Code	No.
65	45	275	0.720	**4509600**	320000

Description	kg	Code	No.
Set of plastic jaws	0.010	**4540520**	320100

321

QUICK-CLAMP FITTINGS WRENCH FIXO-SPANN®

- Quick adjustment by ratchet and pawl clamp
- With exchangeable protective brass jaws no. 321100, width 10 mm
- For nickel-plated and chrome-plated fittings
- Quality steel, hardened, nickel-plated

mm	mm	⟷ mm ⟷	kg	Code	No.
65	45	290	0.790	**4509790**	321000

Description	kg	Code	No.
Set of brass jaws	0.025	**4540600**	321100

328

GRIP WRENCH

- For secure, damage-free gripping and holding of pipes
- With exchangeable special plastic jaws no. 328100, 15 mm wide
- In malleable cast iron
- Non-slip surfaces, with 2-component handles
- Stove enamelled blue

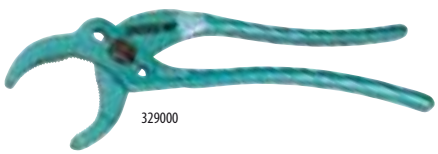
∅ mm	⟷ mm ⟷	kg	Code	No.
16-50	300	0.565	**4510100**	328000

Description	kg	Code	No.
Set of plastic jaws	0.030	**4609660**	328100

329

SPECIAL SIPHON PLIERS

- For tightening and removing screwed PVC pipe joints with round union nuts
- With lap joint and three locking positions, jaw width 10 mm
- No. 329001 with plastic jaws for special surface protection
- Stove enamelled blue



∅ mm	⟷ mm ⟷	kg	Code	No.
20-65	230	0.300	**4510290**	329000
20-65	230	0.300	**1984381**	329001

STEPPED KEYS / VALVE SPANNER

376

STEPPED KEY

- For the installation and removal of valve nipples 3/8", 1/2", 3/4", 1", 1.1/4"
- Drive with 18 mm square

376200

376100

Description	kg	Code	No.
Stepped keys 3/8", 1/2", 3/4", 1", 1.1/4", enamelled blue	0.245	**4541250**	376100
Handle with 18 mm square, 240 mm long, zinc-plated	0.385	**4541330**	376200

3785

PLUMBER'S WRENCH

- With 14 functions for tap extensions 3/8", 1/2", 3/4", 1"
- Depth up to 100 mm
- For the installation and removal of radiator valves and runback screwed unions
- For stud screws M6, M8, M10, M12 and for screw plugs 3/8", 1/2"
- Hexagon drive nut size 17, 22 mm
- Chrome-plated

⟷ mm ⟷	kg	Code	No.
220 x 220	0.670	**4512820**	378500

380

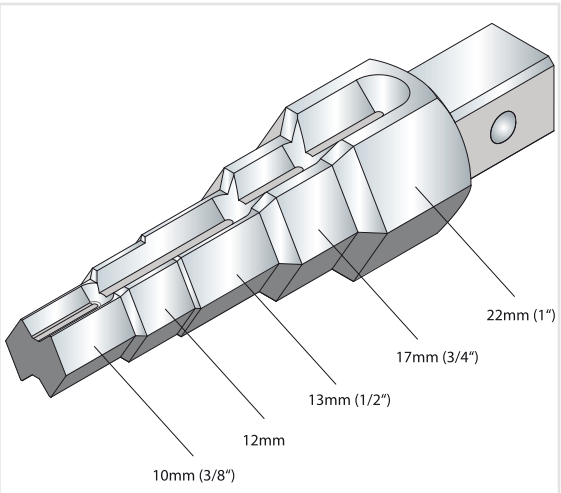
COMBINATION STEPPED KEY

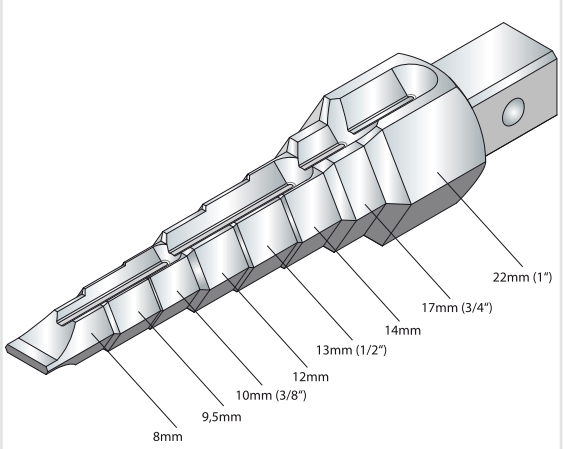
- For the installation and removal of radiator valves, runback screwed unions 3/8" - 1" and short tap extensions
- With pin, hexagon and bi-hexagon nut drive
- 1/2" square drive
- Nickel-plated

380100

380150

380200





Description	kg	Code	No.
Combi-stepped key No. 380100 with ratchet 1/2" No. 380200	0.555	**4512900**	380000
Combi-stepped key No. 380150 with ratchet 1/2" No. 380200	0.555	**4630940**	380001
Combi-stepped key with 5 steps 3/8"-1"	0.135	**4513040**	380100
Combi-stepped key with 8 steps	0.135	**4611130**	380150
Ratchet 1/2"	0.420	**4513120**	380200

3810

RADIATOR VALVE SPANNER

- Spanner for tightening and removing Euro-cone radiator compression fittings with A/F 30 mm cam lock and hex nuts
- Short, flat version with ratchet
- Ratchet facilitates tightening of straight and elbow compression fittings underneath radiators
- Head end socket for 1/2" extension. The extension is used as a handle and also provides higher torque
- Side socket for 1/2" extension for working with the ratchet in front of the radiator
- Socket for no. 3801 combination stepped key 3/4" radiator valve nipples
- DBGM (= German Utility Patent)

Description	kg	Code	No.
Radiator valve spanner no. 381030 with extension 1/2" no. 1990-5	0.390	**2233673**	381000
Radiator valve spanner 30 mm	0.225	**2233665**	381030
Extension 1/2" 125 mm	0.188	**6143860**	1990-5

SHEET METAL FORMING TOOLS

304 - 305

SEAMING PLIERS

- Forged
- Jaw width 60 mm
- No. 304 Straight pattern
- No. 305 Bent pattern, bending angle 45°

mm	⟷ mm ⟷	kg	Code	No.
60	265	0.590	**4508550**	304060
60	265	0.630	**4508630**	305060

340

GUTTER BENDING PLIERS

- Open pattern
- With adjustment screw
- Strong tube handles
- Enamelled blue

for gutters	⟷ mm ⟷	kg	Code	No.
6 x 40	640	3.080	**4510530**	340006
8 x 40	640	3.250	**4510610**	340008

TIN SNIPS

420

TIN SNIPS

- Right hand cutting
- For long straight cuts
- Berlin pattern
- Ground cutting edges
- Sheet thickness max. 1.0 mm at strength 600 N/mm²
- Black varnished, handles blue expoxy coated

Execution	⊢mm⊣	kg	Code	No.
right hand cutting	250	0.470	**4513980**	420025
right hand cutting	300	0.740	**4514010**	420030

421

HOLE CUTTING SNIPS

- For short straight and figure cuts (great radii)
- Polished cutting edges
- Sheet thickness max. 1.0 mm at strength 600 N/mm²
- Black varnished, handles blue expoxy coated

Execution	⊢mm⊣	kg	Code	No.
right hand cutting	250	0.490	**4514280**	421025
right hand cutting	275	0.520	**4514360**	421027
right hand cutting	300	0.610	**4514440**	421030
left hand cutting	250	0.500	**4514520**	421125

422

IDEAL PATTERN SNIPS

- For straight continuous and figure cuts
- Polished cutting edges
- Sheet thickness max. 1.0 mm at strength 600 N/mm²
- Black varnished, handles blue expoxy coated

Execution	⊢mm⊣	kg	Code	No.
right hand cutting	260	0.510	**4514870**	422026
left hand cutting	260	0.565	**4515090**	422126

423

PELICAN PATTERN SNIPS

- Right hand cutting
- For long straight continuous and figure cuts
- Polished cutting edges
- Sheet thickness max. 1.0 mm at strength 600 N/mm²
- Black varnished, handles blue expoxy coated

Execution	⊢mm⊣	kg	Code	No.
right hand cutting	300	0.730	**4515250**	423030
right hand cutting	350	0.850	**4515330**	423035

8531

TIN SNIPS English pattern

- Left hand cutting
- With special strong cutting edges
- Polished cutting edges
- Handles blue expoxy coated

Execution	⊢mm⊣	⊢"inch⊣	kg	Code	No.
left hand cutting	200	8	0.312	**6757840**	8531 8
left hand cutting	250	10	0.518	**6757920**	8531 10
left hand cutting	300	12	0.740	**6758060**	8531 12

424

IDEAL PATTERN SNIPS

- For straight continuous and figure cuts
- With lever action
- Self-opening with installed spring, with lock
- Polished cutting edges
- Sheet thickness max. 1.2 mm at strength 600 N/mm²
- Non-slip 2-component handles

Execution	⊢mm⊣	kg	Code	No.
right hand cutting	260	0.530	**4515410**	424026
left hand cutting	260	0.530	**4515680**	424126

425

FIGURE SNIPS

- For straight continuous and figure cuts
- With lever action
- Self-opening with installed spring, with lock
- Polished cutting edges
- Sheet thickness max. 1.2 mm at strength 600 N/mm²
- Non-slip 2-component handles

Execution	⊢mm⊣	kg	Code	No.
right hand cutting	260	0.480	**4515760**	425026

8178 407

ARC PUNCHES

5700

ARC PUNCH

- To DIN 7200 Form A
- For stamping out cardboard, leather, rubber, sealing materials and other soft materials
- Cutting edge hardened
- Shaft enamelled blue

∅ mm	∅ inch	⟷ mm ⟷	kg	Code	No.
2	1/16	105	0.045	**4542300**	570002
3	1/8	105	0.045	**4542490**	570003
4	5/32	105	0.050	**4542570**	570004
5	3/16	110	0.070	**4542650**	570005
6	1/4	110	0.070	**4542730**	570006
7		120	0.090	**4542810**	570007
8	5/16	120	0.090	**4543030**	570008
9	11/32	120	0.090	**4543110**	570009
10	3/8	130	0.125	**4543380**	570010
11	7/16	130	0.130	**4543460**	570011
12	15/32	130	0.130	**4543540**	570012
13	1/2	140	0.165	**4543620**	570013
14	9/16	140	0.170	**4626590**	570014
15	19/32	140	0.180	**4543890**	570015
16	5/8	140	0.180	**4543970**	570016
17	21/32	145	0.230	**4544000**	570017
18	11/16	145	0.230	**4544190**	570018
19	3/4	145	0.240	**4544270**	570019
20	25/32	160	0.315	**4544350**	570020
21	13/16	160	0.315	**4546560**	570021
22	7/8	160	0.320	**4545670**	570022
23	29/32	170	0.375	**4545750**	570023
24	15/16	170	0.375	**4540440**	570024
25	1	170	0.400	**4618300**	570025
26	1.1/32	170	0.375	**4618490**	570026
27	1.1/16	175	0.475	**4618570**	570027
28	1.3/32	175	0.500	**4618650**	570028
29	1.1/8	175	0.450	**4618730**	570029
30	1.3/16	190	0.590	**4618810**	570030
31		190	0.580	**4619030**	570031
32	1.1/4	190	0.580	**4619110**	570032
33		195	0.660	**4619380**	570033
34	1.5/16	195	0.675	**4619460**	570034
35	1.3/8	195	0.690	**4619540**	570035
36		200	0.700	**4619620**	570036
37	1.7/16	205	0.700	**4619700**	570037
38	1.1/2	205	0.770	**4619890**	570038
39		205	0.770	**4619970**	570039
40	1.9/16	205	0.860	**4620040**	570040
41	1.5/8	205	0.860	**4620120**	570041
42		220	0.970	**4620200**	570042
43	1.11/16	220	0.980	**4620390**	570043
44		220	0.980	**4620470**	570044
45	1.3/4	220	1.020	**4620550**	570045
46	1.13/16	220	1.110	**4620630**	570046
47	1.7/8	230	1.180	**4620710**	570047
48		230	1.180	**4620980**	570048
49	1.15/16	230	1.190	**4621010**	570049
50		230	1.200	**4621280**	570050
55		240	1.850	**4621360**	570055
60		260	2.000	**4621790**	570060
65		260	2.250	**4621950**	570065
70	2.3/4	300	4.000	**4622090**	570070
75		340	4.400	**4622170**	570075
80	3.1/4	340	4.400	**4622250**	570080
90		345	5.300	**4622330**	570090
100	4	380	8.700	**4622410**	570100

5703

SET OF ARC PUNCHES

- To DIN 7200 Form A
- For stamping out cardboard, leather, rubber, sealing materials and other soft materials
- Cutting edge hardened
- Shaft enamelled blue
- In plastic wallet no. 570390

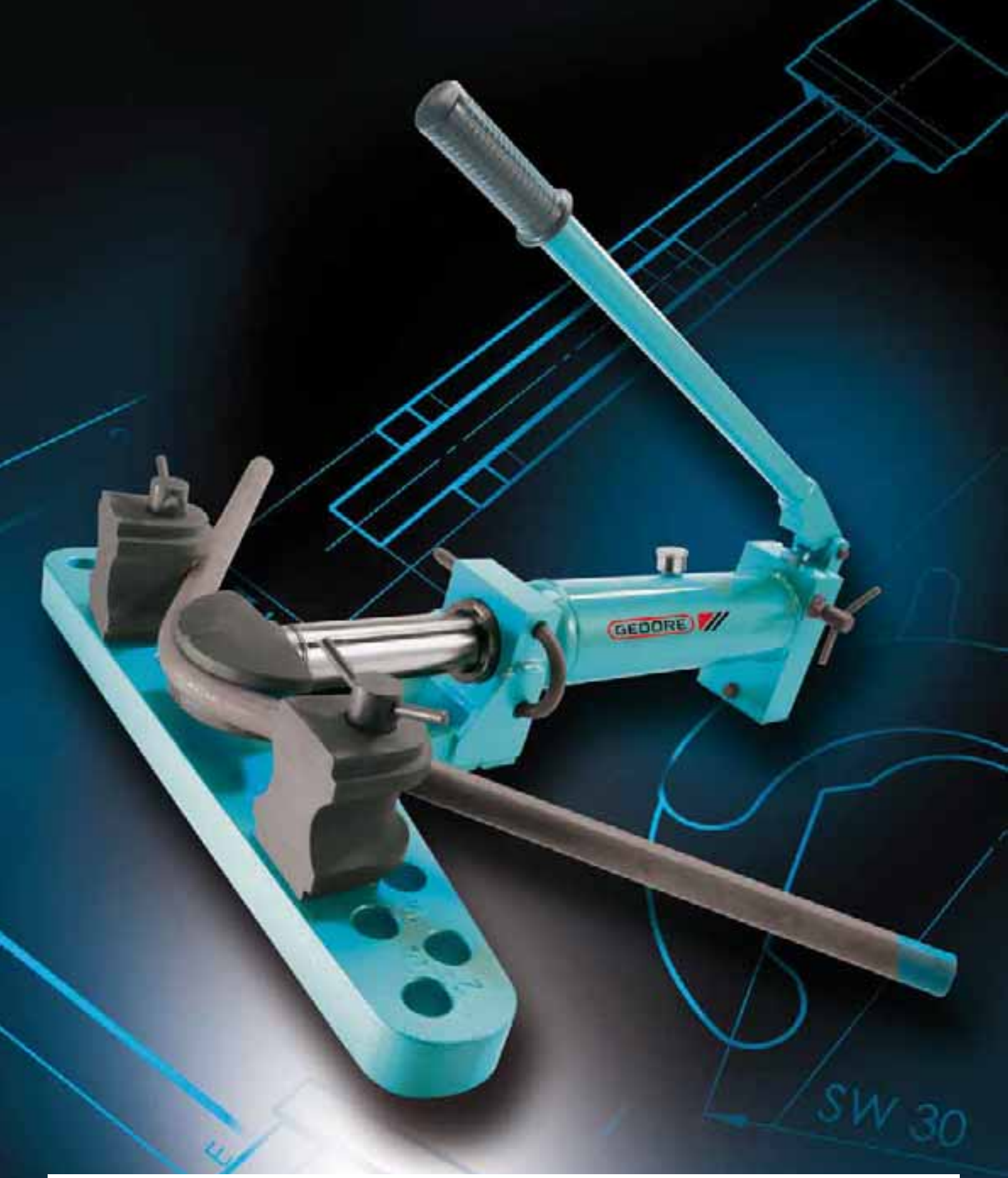
Contents	kg	Code	No.
10 pieces, consisting of **1 piece each Arc punch** **3, 5, 7, 8, 10, 13, 16, 19, 22 and 25 mm**	1.850	**1549502**	570303
8 pieces, consisting of **1 piece each Arc punch** **3, 6, 8, 10, 12, 16, 20 and 25 mm**	1.470	**1549510**	570304
7 pieces, consisting of **1 piece each** **4, 6, 8, 10, 12, 14, 16 mm**	0.960	**2646382**	570307
Plastic wallet, empty	0.110	**1549758**	570390

572

HOLLOW PUNCH

- For stamping out cardboard, leather, rubber, sealing materials and other soft materials
- Cutting edge hardened
- Shaft enamelled blue

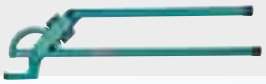
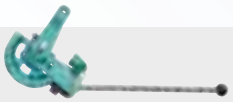
Length of hole	Width of hole	⟷ mm ⟷	kg	Code	No.
12.0	3	120	0.130	**1404393**	572 12x3
16.0	3	130	0.130	**2646307**	572 16x3
17.0	11	140	0.130	**2646315**	572 17x11
18.0	4	130	0.130	**2646323**	572 18x4
20.0	4	140	0.170	**1408712**	572 20x4
22.5	13	145	0.130	**2646331**	572 22,5x13
25.0	4	145	0.130	**2646358**	572 25x4
30.0	14	170	0.400	**1408704**	572 30x14
40.0	10	175	0.430	**1506048**	572 40x10
40.0	20	190	0.565	**2646366**	572 40x20
42.0	22	195	0.660	**2646374**	572 42x22



Technical Symbols

kg	Weight (total)
◄ mm ►	Length (total)
∅ mm	Diameter (also dia. of head, of shaft, of points)
∅ "inch	Diameter
CE	Conformity with EU guidelines
r = mm	Radius
new	new
	Catalogue page

Pipe Bending Systems

Useful information		578 – 579
How do I find the right bending tool		580 – 581
Pipe bending pliers no. 242		582
Manual pipe bender - Draw bending operation		
Manual bending tool sets no. 243		583
Manual bending tool sets no. 244		583
Manual bending tool sets no. 278		584 – 586
Universal manual pipe bender no. 276		587
Manual pipe bender - Pushing bending operation no. 2456		588
Pipe bending machines - Draw bending operation		
Pipe bending machines hydraulic no. 246		589
Pipe bending machines hydraulic no. 249		590
Pipe bending machines hydraulic no. 250		591 – 593
Pipe bending machines - Pushing bending operation no. 256-261		593 – 599
Eccentric angle benders no. 280		600 – 602
Ring bending machine no. 285		603

Top quality to meet maximum requirements

- Use of the most up-to-date machinery and environmentally-friendly production processes
- Everything is based on tightly controlled and selected materials
- Experienced and reliable specialists vouch for precision-like processing
- Stringent quality checks after each production step ensure a constantly high level
- High-grade industrial quality for the toughest forms of continuous use and safety in everyday work

Precision, dimensioned accuracy and fitting exactness

- The most important requirements for non-taxing and safe working

Everything handled down to a tee

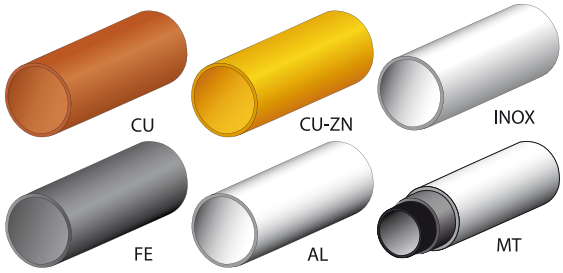
- The absence of Chrome 6 in the tools is simply a matter of course for us and has been so for many years.
- Best-possible results are down to the unique manufacturing processes and special treatment for tools

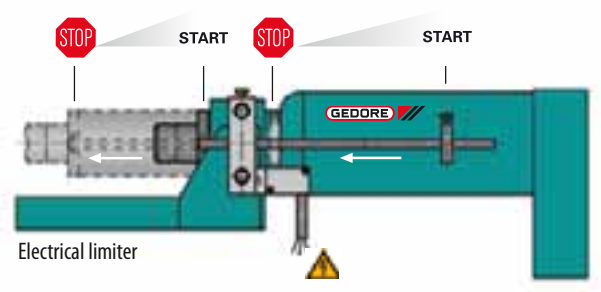
GEDORE Pipe bending systems
Advantages and benefits

Features that make the difference ...

- Durable quality for heavy professional use
- Gentle handling of workpieces
- Suitable for solving problems, a variety of materials and applications
- From simple bending pliers to a electro-hydraulic bending machine for 4" pipes
- Hand-operated, hydraulic and electro-hydraulic
- For the complete range of standard pipe grades

Pipe materials





Solving problems is our strength - Please ask us!

Useful information

How do I find the right bending tool?

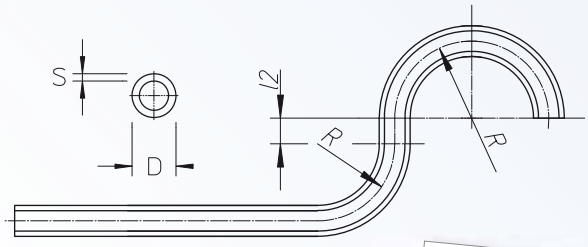
You need to consider the following points when choosing your bending machine:

- Do you want to bend by hand?
- Do you want to use a vice?
- Is the machine to be hydraulically operated?
- Is the machine to be electrically operated, and if so at what voltage?

The following points also need to be taken into account; refer to adjacent sketch:

- The shape of the pipe to be bent (round-section, square-section, etc.)
- The outside diameter "D" of the pipe
- The wall thickness "S" of the pipe
- The pipe grade (e.g. steel, stainless steel, NF metals, etc.)
- The required bending angle (e.g. 90°, 180° ... etc.)
- Are bending radii "R" specified? (Example: 3 x D = R - this corresponds to a 25 mm outside diameter pipe with a bending radius of 75 mm)
- Important: the radius is measured to the middle of the tube = neutral area
- Details of the length "L" of the overall pipe
- Are a number of bends to be made in succession? - If so, it is essential to state the distance between the pipe bends, "L2"
- Are there any specifications for the pipe or the finished pipe bends which go beyond the details listed here (e.g. in power-station construction, the food industry or similar)?

- A more detailed overview of the possible uses of our pipe bending machines and tools is given in the next pages.



Service

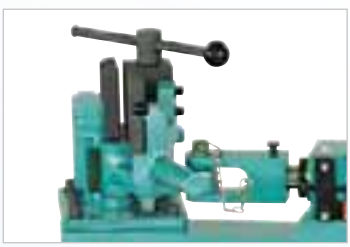
- Make use of our qualified advice to solve your technical problems.
- We will willingly assist you in making your choice of the most suitable tool - from standard solutions up to and including customised manufacture for specific uses.
- Our customer service operators will answer all your questions about products, including technical enquiries, fast and efficiently.

Applications of the GEDORE pipe bender

Size	Outer diameter	Wall thickness	No. 2415	No. 2423 2424 2425	No. 243	No. 244	No. 2456	No. 246	No. 249	No. 250	No. 256	No. 257 258	No. 259 260	No. 261	No. 276	No. 2784 2785 2786 2787	No. 285
Gas and water pipes EN 10255-M (DIN 2440)																	
1/8"	10,2 mm	2,00 mm													180°		
1/4"	13,5 mm	2,35 mm													180°		
3/8"	17,2 mm	2,35 mm						180°			90°	90°	90°		180°		
1/2"	21,3 mm	2,65 mm						180°			90°	90°	90°		180°		
3/4"	26,9 mm	2,65 mm						180°			90°	90°	90°		180°		
1"	33,7 mm	3,25 mm									90°	90°	90°	90°			
1.1/4"	42,4 mm	3,25 mm									90°	90°	90°	90°			
1.1/2"	48,3 mm	3,25 mm										90°	90°	90°			
2"	60,3 mm	3,65 mm										90°	90°	90°			
2.1/2"	76,1 mm	3,65 mm											90°	90°			
3"	88,9 mm	4,05 mm											90°	90°			
4"	114,3 mm	4,50 mm												90°			
Gas and water pipes EN 10255-H (DIN 2441)																	
1/8"	10,2 mm	2,65 mm													180°		
1/4"	13,5 mm	2,90 mm													180°		
3/8"	17,2 mm	2,90 mm									90°	90°	90°		180°		
1/2"	21,3 mm	3,25 mm									90°	90°	90°		180°		
3/4"	26,9 mm	3,25 mm									90°	180°*	90°		180°		
1"	33,7 mm	4,05 mm									90°	180°*	90°	90°			
1.1/4"	42,4 mm	4,05 mm									90°	180°*	90°	90°			
1.1/2"	48,3 mm	4,05 mm										180°*	90°	90°			
2"	60,3 mm	4,50 mm										90°	90°	90°			
2.1/2"	76,1 mm	4,50 mm											90°	90°			
3"	88,9 mm	4,85 mm											90°	90°			
4"	114,3 mm	5,40 mm												90°			
Distilling pipes EN 10220 (DIN 2448)																	
3/8"	17,2 mm	1,80 mm									90°	90°	90°		180°		
1/2"	21,3 mm	2,00 mm									90°	90°	90°		180°		
	25,0 mm	2,00 mm									90°	90°	90°		180°		
3/4"	26,9 mm	2,30 mm									90°	90°	90°		180°		
	30,0 mm	2,60 mm									90°	90°	90°	90°	180°		
	31,8 mm	2,60 mm									90°	90°	90°	90°			
1"	33,7 mm	2,60 mm									90°	90°	90°	90°			
	38,0 mm	2,60 mm										90°	90°	90°			
1.1/4"	42,4 mm	2,60 mm										90°	90°	90°			
	44,5 mm	2,60 mm										90°	90°	90°			
1.1/2"	48,3 mm	2,60 mm										90°	90°	90°			
2"	60,3 mm	2,90 mm											90°	90°			
2.1/2"	76,1 mm	2,90 mm											90°	90°			

Size	Outer diameter	Wall thickness	No. 2415	No. 2423 2424 2425	No. 243	No. 244	No. 2456	No. 246	No. 249	No. 250	No. 256	No. 257 258	No. 259 260	No. 261	No. 276	No. 2784 2785 2786 2787	No. 285
Electrical installation pipes EN 60423																	
M 12	12,0 mm	1,00 mm							90°		90°	90°	90°		180°		
M 16	16,0 mm	1,00 mm							90°		90°	90°	90°		180°		
M 20	20,0 mm	1,00 mm							90°	90°	90°	90°	90°	90°	180°		
M 25	25,0 mm	1,20 mm							90°	90°		90°	90°	90°	180°		
M 32	32,0 mm	1,20 mm							90°	90°		90°	90°	90°	180°		
M 40	40,0 mm	1,20 mm							90°	90°		90°	90°	90°			
M 50	50,0 mm	1,20 mm							90°	90°			90°	90°			
Banister-rail tubes																	
3/8"	17,2 mm	1,75 mm							90°		90°	90°	90°		180°		
1/2"	21,3 mm	1,75 mm							90°	90°	90°	90°	90°		180°		
3/4"	26,9 mm	2,00 mm							90°	90°	90°	90°	90°	90°	180°		
1"	33,7 mm	2,00 mm							90°	90°		90°	90°	90°			
1.1/4"	42,4 mm	2,00 mm							90°	90°		90°	90°	90°			
1.1/2"	48,3 mm	2,00 mm							90°	90°			90°	90°			
2"	60,3 mm	2,00 mm											90°	90°			
Multi-layer composite pipes																	
	14,0 mm	2,00 mm					90°	180°							180°		
	16,0 mm	2,00 mm					90°	180°	90°						180°	180° (2784)	
	18,0 mm	2,00 mm		90°			90°	180°	90°						180°		
	20,0 mm	2,00 mm		90°			90°	180°	90°	90°					180°	180° (2784)	
	26,0 mm	3,00 mm					90°								180°		
	32,0 mm	3,00 mm					90°		90°	90°					180°		
	40,0 mm	3,50 mm							90°	90°		90° (258)					
	50,0 mm	4,00 mm							90°	90°		90° (258)					
	63,0 mm	4,50 mm										90° (258)					
Copper pipes EN 1057 half-hard				10-22*				6-28*	12-35	20-35					6-22		6-18*
Copper pipes EN 1057 soft			4,75-10	10-22*	6-16*	10-22	5-22	6-28*	12-35	20-35					6-22		6-18*
Sheathed copper pipes				*	*		*		*						*		
Thin-walled NF pipes			4,75-10	10-22*	6-16*	10-30		12-28*	12-42	20-60,3					10-32		
Hydraulic pipes EN 10305-1 (DIN 2391)			4,75-6	10-18*	6-12*	10-22	5-18*	12-22*	12-42	20-60,3	14-32*	14-50*	14-76,1*	30-76,1*	6-28*	3-25*	6-18*
Precision steel pipes EN 10305-3 (DIN 2394)			4,75-6	10-18*	6-12*	10-22	5-18*	12-22*	12-54	20-60,3	14-32*	14-50*	14-76,1*	30-76,1*	6-28*	3-25*	6-18*
Stainless steel pipes EN 10088-3 (DIN 17 440)				10-18*			5-18*	12-22*	12-42*	20-60,3	14-32*	14-40*	14-60,3*	30-60,3*	6-28*	3-25*	

*) depending on size / finish / pipe properties

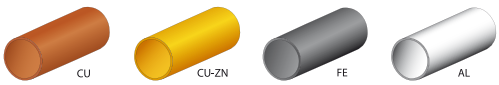


PIPE BENDING PLIERS

2415

PIPE BENDING PLIERS

- Sizes from 4.75 - 10 mm Ø up to 90°
- With 2 reversible bending forms 3/16" - 1/4" Ø (4,75 - 6 mm Ø) and 8 - 10 mm Ø
- For soft copper pipes EN 1057, all non-ferrous metal pipes as well as thin-walled precision steel pipes and brake lines
- Bright nickel-plated, handles PVC coated

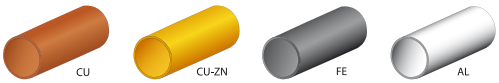


∅ mm	∅ "inch	⊢ mm ⊣	kg	Code	No.
4,75-10,0	3/16-3/8	260	0.580	**1442007**	241500

2424

PIPE BENDING PLIERS with bending rail

- Sizes from 10 to 22 mm Ø, bends up to 90°
- For thin-walled, bendable steel pipes (max. wall thickness 1.5 mm) as well as soft copper pipes EN 1057 (also with fixed coating)
- Enamelled blue, slide rail powder-coated

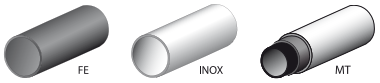


∅ mm	r = mm	⊢ mm ⊣	kg	Code	No.
10	43	420	1.4	**4565350**	242410
12	43	420	1.4	**4626670**	242412
15	60	560	2.1	**4565430**	242415
18	74	820	2.9	**4565510**	242418
22	86	820	4.3	**4565860**	242422

2423

PIPE BENDING PLIERS with roller

- Sizes from 10 to 22 mm Ø, bends up to 90°
- For bendable steel and stainless steel pipes (up to max. 18 x 1.5 mm) as well as soft, heat-insulated copper pipes EN 1057
- Enamelled blue

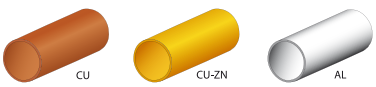


∅ mm	r = mm	⊢ mm ⊣	kg	Code	No.
10	43	420	1.4	**4564890**	242310
12	43	420	1.4	**4564970**	242312
15	60	560	2.1	**4565000**	242315
18	74	820	2.9	**4565190**	242318
22	86	820	4.2	**4565270**	242322

2425

PIPE BENDING PLIERS HH with plastic slide rail

- Sizes from 12 to 22 mm Ø, up to 90°
- Especially for semi-hard and soft copper pipes EN 1057
- Enamelled blue, with plastic slide rail



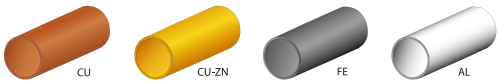
∅ mm	r = mm	⊢ mm ⊣	kg	Code	No.
12	43	420	1.4	**1224689**	242512
15	60	560	2.0	**1224670**	242515
18	74	820	2.8	**1224050**	242518
22	86	820	4.1	**1223690**	242522

MANUAL PIPE BENDER – DRAW BENDING OPERATION

243

MANUAL BENDING TOOL SET

- Sizes from 6 to 16 mm Ø, bends up to 180°
- For soft copper pipes EN 1057 (also with fixed coating), thin-walled precision steel pipes as well as pipes in non-ferrous metals
- For clamping in a vice or useable as bending pliers
- Power-saving due to free selectable initial bending angle
- Easy bending with reversible ratchet 1/2" in long version
- Stove enamelled blue
- Delivery in sheet steel case no. 243090
- Special sets may be assembled to order



Contents	kg	Code	No.
1 bending lever No. 243010 **1 tool holder No. 243070** **1 reversible ratchet 1/2" No. 243080** **5 bending formers 8, 10, 12, 14, 15 mm** **1 pipe cutter 4-32 mm Ø No. 230010** **1 sheet steel case No. 243090**	7.4	**4568450**	243100

E 243

PARTS

Description	kg	Code	No.
Bending lever	0.980	**4566320**	243010
Tool holder	0.675	**2680203**	243070
Reversible ratchet 1/2", long pattern	0.696	**2700875**	243080
Pipe cutter QUICK AUTOMATIC 4-32 mm	0.435	**4504050**	230010
Sheet steel case	3.460	**4568370**	243090

E 243

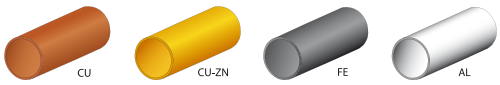
BENDING FORMER

∅ mm	r = mm	kg	Code	No.
6,0	28	0.260	**4566750**	243050
8,0	28	0.250	**4566830**	243051
10,0	35	0.440	**4567050**	243053
12,0	35	0.410	**4567210**	243055
14,0	45	0.670	**4567560**	243057
15,0	45	0.650	**4567640**	243058
16,0	45	0.630	**4567720**	243059

244

MANUAL BENDING TOOL SET

- In different sizes up to 180°
- For soft copper pipes EN 1057, hydraulic and precision steel pipes as well as pipes in non-ferrous metals
- For use in a vice
- Power-saving lever mechanism for easy operation
- Stove enamelled blue
- Delivery in sheet steel case no. 244090
- Special sets may be assembled to order



Contents	kg	Code	No.
1 basic unit No. 244070 **1 bending lever No. 244080** **6 bending formers for pipes with Ø 15, 16, 18, 20, 22, 28 mm** **1 pipe cutter 4-32 mm Ø No. 230010** **1 sheet steel case No. 244090**	25.4	**4571750**	244100
1 basic unit No. 244070 **1 bending lever No. 244080** **4 bending tools for pipes with Ø 15, 18, 22, 28 mm** **1 sheet steel case No. 244090**	22.4	**4571830**	244200
1 basic unit No. 244070 **1 bending lever No. 244080** **1 sheet steel case No. 244090** **without bending tools**	14.3	**4568880**	244010

E 244

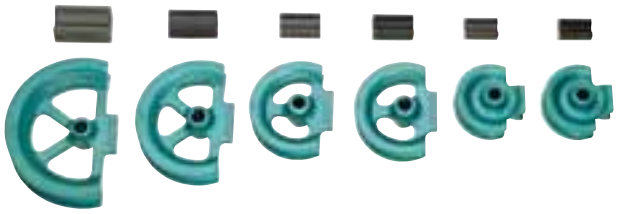
PARTS

Description	kg	Code	No.
Basic unit	4.9	**4569930**	244070
Bending lever	2.4	**4571590**	244080
Pipe cutter QUICK AUTOMATIC 4-32 mm	0.4	**4504050**	230010
Sheet steel case	7.0	**4571670**	244090

E 244

BENDING TOOLS

- Consisting of bending former and bending rail



∅ mm	r = mm	kg	Code	No.
10	40	0.9	**4571910**	244210
12	40	0.9	**4572050**	244212
14	50	1.2	**4572210**	244214
15	50	1.1	**4572480**	244215
16	50	1.1	**4572560**	244216
18	65	1.5	**4572720**	244218
20	65	1.4	**4572800**	244220
22	85	2.3	**4572990**	244222
25	100	3.5	**4573100**	244225
28	100	3.2	**4573290**	244228
30	100	3.1	**4573370**	244230

920 531

2785

MANUAL BENDING TOOL SET

- Sizes from 3 to 10 mm up to 180°
- For precision steel pipes EN 10305-3 (DIN 2394), hydraulic pipes EN 10305-1 (DIN 2391), and bendable stainless steel pipes with 0.75 - 1.0 mm wall thicknesses
- For clamping in a vice or useable as bending pliers
- Enamelled blue, with black plastic handles

Contents	kg	Code	No.
1 basic tool body No. 278570 1 bending lever No. 278581 4 aluminium bending formers for pipes with Ø 3-4, 5-6, 7-8, 10 mm	1.2	**1589830**	278500
1 basic tool body No. 278570 1 bending lever No. 278581 4 aluminium bending formers for pipes with Ø 3-4, 5-6, 7-8, 10 mm 1 miniature pipe cutter 4-16 mm No. 231000 1 pipe deburring reamer 4-32 mm No. 232001 1 sheet steel case No. 278090	2.4	**1589849**	278501

E 2785

PARTS

Description	kg	Code	No.
Basic tool body size 0	0.640	**2293625**	278570
Bending lever size 0	0.380	**2293641**	278581
Sheet steel case for 278501	1.040	**1526189**	278090

E 2785

BENDING FORMER

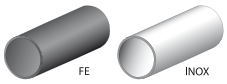
- From high-quality aluminium

∅ mm	r = mm	kg	Code	No.
3-4	14	0.020	**1576798**	278504
5-6	16	0.025	**1576801**	278506
7-8	24	0.055	**1576828**	278508
10	29	0.085	**1576836**	278510

2786

MANUAL BENDING TOOL SET

- Sizes from 6 to 18 mm up to 180°
- For precision steel pipes EN 10305-3 (DIN 2394), hydraulic pipes EN 10305-1 (DIN 2391) and bendable stainless steel pipes with 1.0 - 2.0 mm wall thicknesses
- For clamping in a vice or in combination with tripod no. 268500 for stationary use
- Enamelled blue, with black plastic handles, type 278601 with pluggable aluminium bending lever



Contents	kg	Code	No.
1 basic tool body No. 278670 **1 bending lever No. 278681** **6 aluminium bending formers for pipes with Ø 6-8, 10-12, 14, 15, 16, 18 mm**	5.3	**1589857**	278600
1 basic tool body No. 278670 **1 bending lever pluggable No. 278680** **6 aluminium bending formers for pipes with Ø** **1 pipe cutter 4-35 mm No. 229010** **1 pin punch 3 mm** **1 sheet steel case No. 278190**	8.3	**1611526**	278601

E 2786

PARTS

Description	kg	Code	No.
Basic tool body size 1	1.2	**1677209**	278670
Bending lever size 1	2.3	**2293692**	278681
Bending lever size 1 pluggable	1.9	**1626043**	278680
Sheet steel case for 278601	4.2	**1611534**	278190
Tripod	21.2	**2681072**	268500

E 2786

BENDING FORMER

- From high-quality aluminium

∅ mm	r = mm	kg	Code	No.
6-8	32	0.200	**1576844**	278608
10-12	36	0.220	**1576852**	278612
14	36	0.200	**1576879**	278614
15	43	0.320	**1576887**	278615
16	43	0.320	**1576895**	278616
18	50	0.450	**1576909**	278618

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Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
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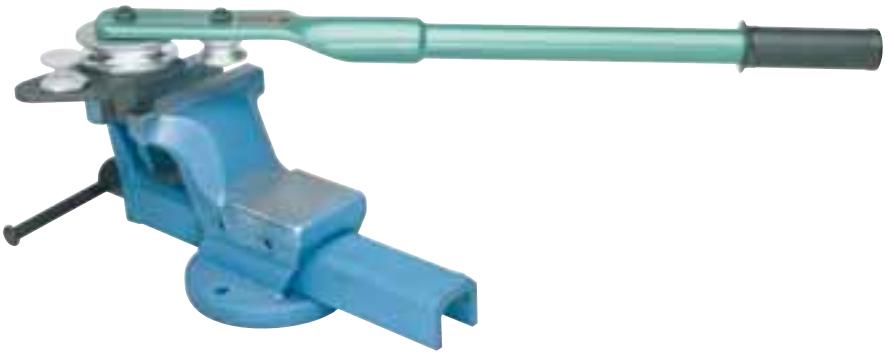
- Your problems are our assignments.
- Simply contact us !

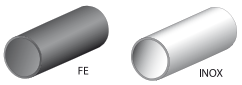
CHECK COAT FORGE MOD RAL SIZE

2787

MANUAL BENDING TOOL SET

- Sizes from 20 to 25 mm up to 180°
- For precision steel pipes EN 10305-3 (DIN 2394), hydraulic pipes EN 10305-1 (DIN 2391) and bendable stainless steel pipes with 1.5 - 2.5 mm wall thicknesses
- For clamping in a vice
- Enamelled blue, with black plastic handles





Contents	kg	Code	No.
1 basic tool body No. 278770 **1 bending lever No. 278781** **3 aluminium bending formers for pipes with Ø 20, 22, 25 mm**	13.0	**1589865**	278700

E 2787

PARTS

Description	kg	Code	No.
Basic tool body size 2	4.1	**2293706**	278770
Bending lever size 2	3.0	**2293722**	278781
Tripod	21.2	**2681072**	268500

E 2787

BENDING FORMER

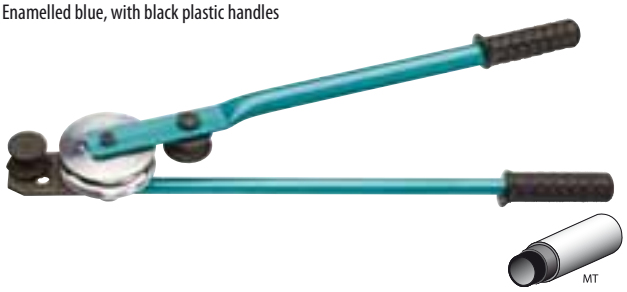
- From high-quality aluminium

∅ mm	r = mm	kg	Code	No.
20	85	2.0	**1576917**	278720
22	85	2.0	**1576925**	278722
25	85	2.0	**1576933**	278725

2784

MANUAL BENDING TOOL SET for composite pipes

- Sizes from 16 and 20 mm up to 180°
- For multi-layer composite pipes
- For clamping in a vice
- Enamelled blue, with black plastic handles



Contents	kg	Code	No.
1 basic tool body No. 278470 **1 bending lever No. 278480** **2 aluminium bending formers for pipes with Ø 16, 20 mm**	1.8	**2536706**	278400

E 2784

PARTS

Description	kg	Code	No.
Basic tool body MSR	0.8	**2536757**	278470
Bending lever MSR	0.5	**2536765**	278480

E 2784

BENDING FORMER

- From high-quality aluminium

∅ mm	r = mm	kg	Code	No.
16	32	0.2	**2536773**	278416
20	40	0.3	**2536781**	278420

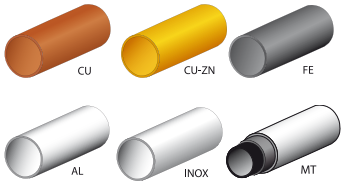
UNIVERSAL PIPE BENDER

- Sizes from 6 to 32 mm Ø and 1/8 to 3/4" up to 180°
- For semi-hard and soft copper pipes EN 1057 up to 22 mm Ø, stainless steel pipes EN 10088-3 (DIN 17 440) up to 28 x 1.5 mm, hydraulic pipes EN 10305-1 (DIN 2391) and precision steel pipes EN 10305-3 (DIN 2394) up to 28 mm, electrical installation pipes EN 60423 up to M 32, composite pipes up to 32 mm, non-ferrous metal pipes and insulated pipes as well as gas and water pipes EN 10255 (DIN 2440/2441) up to 3/4“
- For use in a vice or installation on the workbench
- Set up for connecting to a length and angle stop as well as bending lever extension possible (not included)
- Enamelled blue

280130

276000

276001



Description	kg	Code	No.
Basic equipment with bending lever extension no. 268230, without bending tools	16.7	**4600010**	276000
Angled stop	1.8	**4600280**	276001
Length stop	0.7	**4606210**	280130
Tripod	21.2	**2681072**	268500

BENDING TOOLS

- No. 276506-276920: Bending former with aluminium slide rail for metric pipes
- No. 276101-276107: Bending former for gas and water pipes EN 10255 (DIN 2440/2441), use with pressure roller no. 276003 (1/8-3/4")

276506-920

276101-107

276003

Size	∅ mm	r = mm	Electrical installation ducts EN 60423	kg	Code	No.
	6,0	40		1.5	**4600950**	276506
	8,0	40		1.4	**4601090**	276508
	10,0	40		1.4	**4601170**	276510
	12,0	40		1.4	**4601250**	276512
	12,0	81	M12	6.5	**1553682**	276912
	14,0	50		1.9	**4601330**	276514
	15,0	50		1.8	**4601410**	276515
	16,0	68		4.7	**4601680**	276516
	16,0	81	M16	6.5	**1553690**	276916
	18,0	68		4.7	**4601760**	276518
	19,0	68		4.6	**4601840**	276519
	20,0	68		4.6	**4601920**	276520
	20,0	105	M20	4.8	**1553704**	276920
	22,0	81		6.5	**4602060**	276522
	25,0	105	M25	4.7	**4602140**	276525
	28,0	126		5.4	**4602300**	276528
	30,0	153		7.0	**4602490**	276530
	32,0	153	M32	7.0	**4602570**	276532
1/8	10,2	40		1.2	**4600440**	276101
1/4	13,5	40		1.2	**4600520**	276102
3/8	17,2	50		1.6	**4600600**	276103
1/2	21,3	68		2.4	**4600790**	276105
3/4	26,9	80		5.8	**4600870**	276107
1/8-3/4				0.5	**4600360**	276003

MANUAL PIPE BENDER – PUSHING BENDING OPERATION

2456

PIPE BENDER SET hydraulic

- Sizes from 10 to 22 mm Ø up to 90°
- For soft copper pipes EN 1057 up to 22 mm (also heat-insulated) as well as precision steel pipes EN 10305-3 (DIN 2394) up to 18 x 1.5 mm
- Hydraulic drive without great effort
- Delivery in plastic case no. 245590

Contents	kg	Code	No.
1 basic unit, hydraulic no. 245670 7 bending tools for pipes with Ø 10, 12, 14, 15, 18, 20, 22 mm 1 plastic case no. 245590	6.2	**4635230**	245610

2456

PIPE BENDER SET hydraulic, heavy-duty

- Sizes from 6 to 22 mm Ø up to 90°
- For soft copper pipes EN 1057 up to 22 mm (also heat-insulated), precision steel pipes EN 10305-3 (DIN 2394) up to 18 x 2 mm, as well as annealed stainless steel pipes up to 18 x 1.2 mm
- Hydraulic drive without great effort
- In plastic case no. 245690

Contents	kg	Code	No.
1 basic unit, hydraulic no. 245670 10 bending tools for pipes with Ø 6, 8, 10, 12, 14, 15, 16, 18, 20, 22 mm 1 plastic case no. 245690	7.5	**1585495**	245611

E 2456

PARTS

Description	kg	Code	No.
Basic unit, hydraulic	2.350	**4635310**	245670
Plastic case empty for no. 245610	1.700	**4635070**	245590
Plastic case empty for no. 245611	1.700	**1585568**	245690

E 2458

BENDING TOOLS

- The counter-support no. 245710-245731 are needed
- For metric pipes

∅ mm	r = mm	kg	Code	No.
6	31	0.100	**4635900**	245806
8	31	0.100	**4636040**	245808
10	31	0.100	**4636120**	245810
12	34	0.110	**4636200**	245812
14	41	0.120	**4636390**	245814
15	48	0.140	**4636470**	245815
16	49	0.150	**4636550**	245816
18	72	0.190	**4636710**	245818
20	80	0.200	**4636980**	245820
22	88	0.200	**4637010**	245822

E 2457

COUNTER-SUPPORT

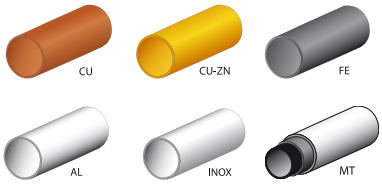
- The bending former no. 245806-245822 are needed
- For metric pipes

Description	∅ mm	kg	Code	No.
Counter-support	6-12	0.380	**4635580**	245710
Counter-support	14-17	0.460	**4635660**	245720
Counter-support reinforced	14-17	0.380	**1585509**	245721
Counter-support	18-22	0.460	**4635740**	245730
Counter-support reinforced	18-22	0.480	**1585517**	245731

246

PIPE BENDING MACHINE manual-hydraulic

- Sizes from 6 to 28 mm Ø up to 180°
- For semi-hard and soft copper pipes EN 1057 up to 28 mm Ø, stainless steel pipes EN 10088-3 (DIN 17 440) up to 22 x 1.5 mm, hydraulic pipes EN 10305-1 (DIN 2391) and precision steel pipes EN 10305-3 (DIN 2394) up to 22 x 2 mm, composite pipes up to 20 mm as well as gas and water pipes EN 10255-M (DIN 2440) up to 3/4"
- Pressure 60 kN
- On pivotable tripod
- Delivery in wooden assembly case



Contents		Code	No.
1 basic tool No. 246070 **1 pump, manual-hydraulic, No. 246080** **1 pivotable tripod No. 268000** **5 bending tools for pipes with Ø 12, 15, 18, 22, 28 mm**	57.0	**4538890**	246100

Contents		Code	No.
1 basic tool No. 246070 **1 pump, manual-hydraulic, No. 246080** **1 pivotable tripod No. 268000** **without bending tools**	49.0	**4574260**	246010

E 246

PARTS

Description	kg	Code	No.
Basic tool without hydraulic pump	15.5	**4574340**	246070
Pump, manual-hydraulic	16.2	**4574420**	246080
Pivotable tripod	6.2	**4599760**	268000

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Individual – precise – customised – flexible – right on!

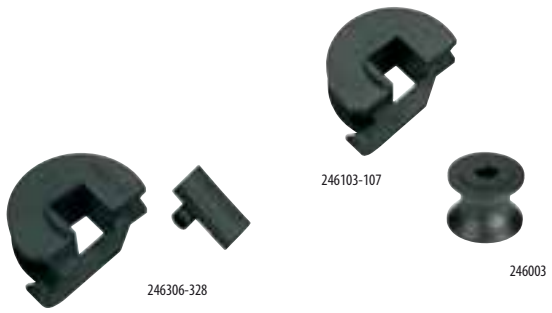
- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

E 246

BENDING TOOLS

- No. 246306-246328: Bending form with slide rail for metric pipes
- No. 246103-246107: Bending form for gas and water pipes EN 10255-M (DIN 2440), use with pressure roller no. 246003 (3/8"-3/4")



∅ mm	Size	r = mm	kg	Code	No.
6,0		35	0.6	**4637870**	246306
8,0		35	0.5	**4637950**	246308
10,0		45	0.5	**4638090**	246310
12,0		45	0.5	**4575070**	246312
14,0		55	0.9	**4575150**	246314
15,0		55	0.9	**4575230**	246315
16,0		75	1.1	**4575310**	246316
18,0		75	1.4	**4575660**	246318
20,0		75	1.8	**4575740**	246320
22,0		85	2.0	**4575820**	246322
25,0		85	3.1	**4575900**	246325
28,0		112	6.8	**4576040**	246328
17,2	3/8	55	1.2	**4637440**	246103
21,3	1/2	65	1.7	**4637520**	246105
26,9	3/4	85	3.6	**4637600**	246107
	3/8-3/4		0.2	**4637360**	246003

249

PIPE BENDING MACHINE manual-hydraulic

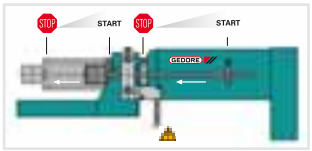
- Sizes from 12 to 54 mm Ø and 3/8" to 1.1/2" up to 90°
- For copper pipes EN 1057, precision steel pipes EN 10305-3 (DIN 2394) and hydraulic pipes EN 10305-1 (DIN 2391), stainless steel pipes EN 10088-3 (DIN 17 440) up to 42 mm,uncoated pipes and pipes with fixed coating, composite pipes as well as electrical installation pipes EN 60423
- Pressure 100 kN
- On pivotable tripod
- Delivery in wooden assembly case

Contents	kg	Code	No.
1 pump manual-hydraulic No. 254200 1 base unit with pivotable tripod No. 249310 without bending tools	76.0	**4580150**	249000

249

PIPE BENDING MACHINE electro-hydraulic

- Sizes from 12 to 54 mm Ø and 3/8" to 1.1/2" up to 90°
- For copper pipes EN 1057, precision steel pipes EN 10305-3 (DIN 2394) and hydraulic pipes EN 10305-1 (DIN 2391), stainless steel pipes EN 10088-3 (DIN 17 440) up to 42 mm,uncoated pipes and pipes with fixed coating, composite pipes as well as electrical installation pipes EN 60423
- Electrical limiter for continuous pre-setting and repetition in the production of pipe bends
- Pressure 100 kN
- On pivotable tripod
- Delivery in wooden assembly case



Contents	kg	Code	No.
1 pump electro-hydraulic 380-415 V No. 254601 1 base unit with pivotable tripod No. 249311 without bending tools	111.0	**4580230**	249001
1 pump electro-hydraulic 230 V No. 254651 1 base unit with pivotable tripod No. 249311 without bending tools	111.0	**1547593**	249002

E 249

PARTS

- Pumps exchangeable for benders no. 257, 258 and 280

Description	Code	No.
Base unit with tripod for manual-hydraulic bending tool	**4582280**	249310
Base unit with tripod for electro-hydraulic bending tool	**4640310**	249311
Pump 2" manual-hydraulic	**4584810**	254200
Pump 2" 380-415 V with electrical limiter	**1599984**	254601
Pump 2" 230 V with electrical limiter	**1599992**	254651

E 249

BENDING TOOLS

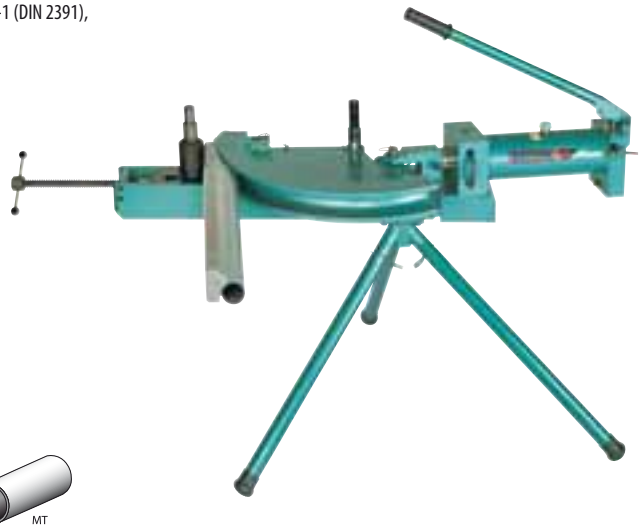
- Consisting of bending former, pipe holder and aluminium slide rail
- Bending formers, pipe holders and steel bending rails are available on request for shaping stainless steel pipes - chemically nickel plated
- Special sizes available on request

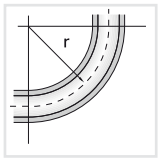
∅ mm	Size	Electrical installation ducts EN 60423	Precision steel pipes EN 10305-3	Cu pipes EN 1057	r = mm	Code	No.
12,0		M12	12	12	85	**1527339**	249812
15,0			15	15	85	**4640660**	249815
16,0		M16	16		85	**4654290**	249816
18,0			18	18	85	**4654370**	249818
20,0			20		85	**4654530**	249820
20,0		M20	20		100	**1546090**	249020
22,0			22	22	85	**4654610**	249822
25,0			25		85	**4582520**	249825
25,0		M25	25	25	100	**1546120**	249025
28,0			28		85	**4582600**	249828
28,0			28		100	**4580310**	249028
28,0			28	28	150	**2648733**	249128
30,0			30		85	**4582790**	249830
30,0			30		100	**4580580**	249030
32,0			32		100	**4580660**	249032
32,0		M32	32	32	150	**1546147**	249132
35,0			35		100	**4580820**	249035
35,0			35		150	**4580900**	249135
38,0			38		150	**4581120**	249138
40,0			40		150	**4581200**	249140
40,0		M40	40		200	**1546163**	249240
42,0			42		150	**4581470**	249142
42,0			42		200	**1561944**	249242
50,0		M50	50		200	**4581710**	249250
54,0			54		200	**4582010**	249254
17,2	3/8				85	**1742655**	249503
21,3	1/2				100	**1639935**	249505
26,9	3/4				100	**1422820**	249507
33,7	1				150	**1276190**	249510
42,4	1.1/4				150	**1549561**	249512
48,3	1.1/2				200	**1232401**	249515
12,7					100	**2125242**	249605
15,88					100	**2125250**	249606
19,05					100	**2125269**	249607
22,22					150	**2125277**	249608
25,4					200	**2125293**	249610
31,75					200	**2125315**	249612

250

PIPE BENDING MACHINE manual-hydraulic

- Sizes from 20 to 54 mm Ø and 1/2" to 2" up to 180°
- Especially suitable for thornless bending of thin-walled stainless steel pipes EN 10088-3 (DIN 17 440) up from wall thickness 0.8 mm
- Also for copper pipes EN 1057, precision steel pipes EN 10305-3 (DIN 2394) and hydraulic pipes EN 10305-1 (DIN 2391), NF pipes, uncoated pipes as well as electrical installation pipes EN 60423
- Pressure 160 kN
- On pivotable tripod
- Delivery in wooden assembly case





Contents	kg	Code	No.
1 pump manual-hydraulic No. 254300 **1 base unit with pivotable tripod No. 250010** **without bending tools**	155.0	**4583760**	250000

254 598

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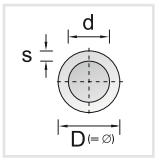
250

PIPE BENDING MACHINE electro-hydraulic

- Sizes from 20 to 54 mm Ø and 1/2" to 2" up to 180°
- Especially suitable for thornless bending of thin-walled stainless steel pipes EN 10088-3 (DIN 17 440) over 0.8 mm wall thickness
- Also for copper pipes EN 1057, precision steel pipes EN 10305-3 (DIN 2394) and hydraulic pipes EN 10305-1 (DIN 2391), NF pipes, uncoated pipes as well as electrical installation pipes EN 60423
- Electrical limiter for continuous pre-setting and repetition in the production of pipe bends
- Pressure 160 kN
- On pivotable tripod
- Delivery in wooden assembly case



Contents	kg	Code	No.
1 pump electro-hydraulic 380-415 V No. 254701 1 base unit with pivotable tripod No. 250010 without bending tools	175.0	**4583840**	250001
1 pump electro-hydraulic 230 V No. 254751 1 base unit with pivotable tripod No. 250010 without bending tools	175.0	**1380133**	250002

E 250

PARTS

- * Pumps exchangeable for benders no. 259 and 260

Description	kg	Code	No.
Base unit with stand for 250	111.4	**2721228**	250210
Pump 3" manual-hydraulic	29.3	**4585030**	254300
Pump 3" 380-415 V with electrical limiter	48.8	**1600001**	254701
Pump 3" 230 V with electrical limiter	48.8	**1600028**	254751

PIPE BENDING MACHINES – PUSHING BENDING OPERATION

E 250

BENDING SETS

- Consisting of bending former with aluminium slide rail and pipe holder
- Bending formers, pipe holders and steel bending rails are available on request for shaping stainless steel pipes - chemically nickel plated
- Special sizes available on request

∅ mm	Size	Electrical installation ducts EN 60423	Precision steel pipes EN 10305-3	Cu pipes EN 1057	r = mm	kg	Code	No.
20,0		M20	20		100	3.920	**1546090**	249020
25,0		M25	25	25	100	3.940	**1546120**	249025
25,0		M25	25	25	100	7.500	**4655690**	250325
28,0			28		100	3.520	**4580310**	249028
28,0			28	28	150	6.000	**2648733**	249128
28,0			28		100	7.500	**1380141**	250328
30,0			30		100	3.740	**4580580**	249030
30,0			30	30	150	13.000	**1679155**	250330
32,0			32		100	6.500	**4580660**	249032
32,0		M32	32	32	150	7.500	**1546147**	249132
35,0			35		100	6.000	**4580820**	249035
35,0			35		150	7.280	**4580900**	249135
38,0			38		150	7.080	**4581120**	249138
40,0			40		150	7.700	**4581200**	249140
40,0		M40	40		200	12.920	**1546163**	249240
40,0		M40	40		200	15.000	**4655770**	250340
42,0			42		150	7.660	**4581470**	249142
42,0			42		200	13.400	**1561944**	249242
50,0		M50	50		200	13.120	**4581710**	249250
52,0			52		350	41.000	**4640900**	250352
54,0			54		250	21.000	**2001152**	250354
21,3	1/2				100	4.000	**1639935**	249505
21,3	1/2		1/2		100	7.500	**4640820**	250305
26,9	3/4				100	6.500	**1422820**	249507
26,9	3/4		3/4		100	7.500	**4655180**	250307
33,7	1				150	7.500	**1276190**	249510
33,7	1		1		150	13.000	**4655260**	250310
42,4	1.1/4				150	7.500	**1549561**	249512
42,4	1.1/4		1.1/4		200	15.000	**4655340**	250312
48,3	1.1/2				200	14.500	**1232401**	249515
48,3	1.1/2		1.1/2		250	21.000	**4655420**	250315
60,3	2				250	21.000	**1148001**	250520
60,3	2		2		400	55.000	**4655500**	250320
12,7					100	3.900	**2125242**	249605
15,88					100	3.900	**2125250**	249606
19,05					100	3.900	**2125269**	249607
22,22					150	7.500	**2125277**	249608
25,4					200	12.900	**2125293**	249610
31,75					200	12.900	**2125315**	249612
38,1					250	21.000	**2125161**	250615
44,44					300	31.000	**2125188**	250617
50,8					300	31.000	**2125226**	250620

MAX. BENDING CAPACITIES PIPE BENDING MACHINES 256-261

Bender no.	Gas and water pipes EN 10255 (DIN 2440/2441)	Distilling pipes EN 10220 (DIN 2448)		Electrical installation pipes EN 60423	Railing tubes *)	Metric tubes *)	Multi-layer composite pipes
	up to 90°	up to 90°		up to 90°	up to 90°	up to 90°	up to 90°
	Size	Size	∅ mm	Nominal size	Size	∅ mm	∅ mm
255 - 256	3/8 - 1.1/4"	3/8 - 1"	25 - 32	M12 - M20	3/8 - 3/4"	20 - 32	–
257 - 258	3/8 - 2"	3/8 - 1.1/2"	25 - 44,5	M12 - M40	3/8 - 1.1/4"	20 - 44,5	40 - 63 (No. 258)
259 - 260	3/8 - 3"	3/8 - 2.1/2"	25 - 44,5	M12 - M50	3/8 - 2"	20 - 44,5	–
261	1 - 4"	1 - 2.1/2"	30 - 44,5	M20 - M50	3/4 - 2"	25 - 44,5	–

*) Specifications under reserve - as these are dependent on the respective wall thickness

256

PIPE BENDING MACHINE 3/8" - 1.1/4"

◤ For gas and water pipes EN 10255 (DIN 2440/2441) up to max. 90°

Available in various designs:

- manually or electro-hydraulically operated
- with open bending frame
- as the basic tool without bending former or as a set with bending former no. 263103-112

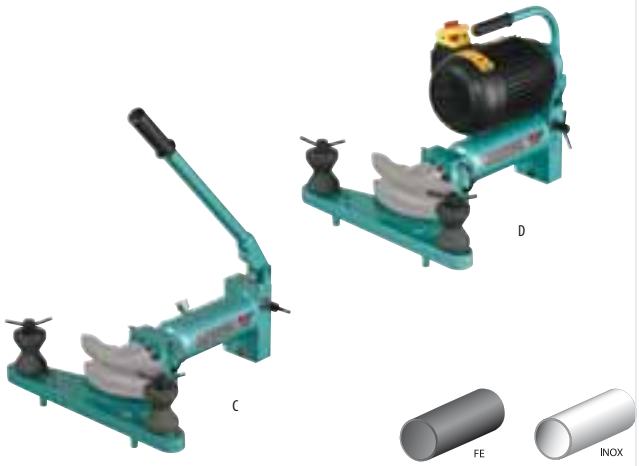
◤ Pressure 60 kN

◤ Delivery in assembly case

Optional bending tools under no. 263 - 265 available for:

- Distilling pipes EN 10220 (DIN 2448) from 3/8 to 1" or 25 to 32 mm
- Railing tubes from 3/8 to 3/4"
- Electrical installation pipes EN 60423 from M12 to M20
- Metric pipes from 20 to 32 mm

◤ Bending tools for stainless steel pipes on request



included in delivery	Ill.	kg	Code	No.
manual-hydraulic, open bending frame, without bending formers	C	47.0	**4586860**	256000
manual-hydraulic, open bending frame, with 5 bending formers no. 263103-112	C	56.0	**4586940**	256100
electro-hydraulic 380-415 V, open bending frame, without bending formers	D	73.0	**4587080**	256500
electro-hydraulic 380-415 V, open bending frame, with 5 bending formers no. 263103-112	D	82.0	**4587160**	256510
electro-hydraulic 230 V, open bending frame, without bending formers	D	73.0	**4587240**	256600
electro-hydraulic 230 V, open bending frame, with 5 bending formers no. 263103-112	D	82.0	**4587320**	256610

257 - 258

PIPE BENDING MACHINE 3/8" - 2"

◤ For gas and water pipes EN 10255 (DIN 2440/2441) up to max. 90°

Available in various designs:

- manually or electro-hydraulically operated
- with open or fold-open bending frame
- as the basic tool without bending former or as a set with bending former no. 263103-120

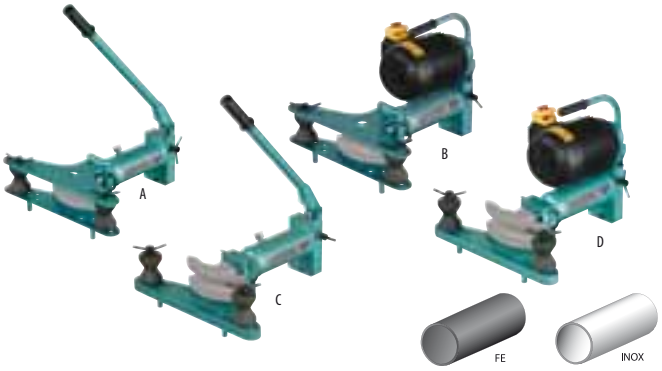
◤ Pressure 100 kN

◤ Delivery in assembly case

Optional bending tools under no. 263 - 265 available for:

- Distilling pipes EN 10220 (DIN 2448) from 3/8 to 1.1/2" or 25 to 44.5 mm
- Railing tubes from 3/8 to 1.1/4"
- Electrical installation pipes EN 60423 from M12 to M40
- Metric pipes from 20 to 44.5 mm
- Multi-layer composite pipes from 40 to 63 mm (no. 258)

◤ Bending tools for stainless steel pipes on request



included in delivery	Ill.	kg	Code	No.
manual-hydraulic, fold-open bending frame, without bending formers	A	54.0	**4587400**	257000
manual-hydraulic, fold-open bending frame, without bending formers	A	75.0	**4587590**	257100
electro-hydraulic 380-415 V, fold-open bending frame, without bending formers	B	78.0	**4587670**	257500
electro-hydraulic 380-415 V, fold-open bending frame, with 7 bending formers no. 263103-120	B	99.0	**4587750**	257510
electro-hydraulic 230 V, fold-open bending frame, without bending formers	B	78.0	**4587830**	257600
electro-hydraulic 230 V, fold-open bending frame, with 7 bending formers no. 263103-120	B	99.0	**4587910**	257610
manual-hydraulic, open bending frame, without bending formers	C	73.0	**4588050**	258000
manual-hydraulic, open bending frame, with 7 bending formers no. 263103-120	C	95.0	**4588130**	258100
electro-hydraulic 380-415 V, open bending frame, without bending formers	D	98.0	**4588210**	258500
electro-hydraulic 380-415 V, open bending frame, with 7 bending formers no. 263103-120	D	119.0	**4588480**	258510
electro-hydraulic 230 V, open bending frame, without bending formers	D	98.0	**4588560**	258600
electro-hydraulic 230 V, open bending frame, with 7 bending formers no. 263103-120	D	119.0	**4588640**	258610

PIPE BENDING MACHINE 3/8" - 3"

◤ For gas and water pipes EN 10255 (DIN 2440/2441) up to max. 90°

Available in various designs:

- manually or electro-hydraulically operated
- with open or fold-open bending frame
- as the basic tool without bending former or as a set with bending former no. 263103-130

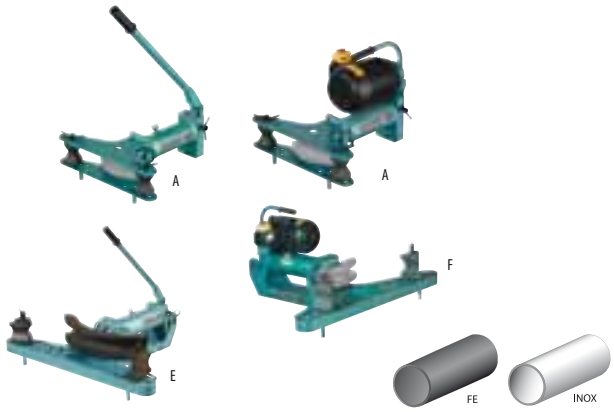
◤ Pressure 160 kN

◤ Delivery in assembly case

Optional bending tools under no. 263 - 265 available for:

- Distilling pipes EN 10220 (DIN 2448) from 3/8 to 2.1/2" or 25 to 44.5 mm
- Railing tubes from 3/8 to 2"
- Electrical installation pipes EN 60423 from M12 to M50
- Metric pipes from 20 to 44.5 mm

◤ Bending tools for stainless steel pipes on request



included in delivery	Ill.	kg	Code	No.
manual-hydraulic, fold-open bending frame, without bending formers	A	98.0	**4588720**	259000
manual-hydraulic, fold-open bending frame, with 9 bending formers no. 263103-130	A	173.0	**4588800**	259100
electro-hydraulic 380-415 V, fold-open bending frame, without bending formers	B	123.0	**4588990**	259500
electro-hydraulic 380-415 V, fold-open bending frame, with 9 bending formers no. 263103-130	B	198.0	**4589020**	259510
electro-hydraulic 230 V, fold-open bending frame, without bending formers	B	123.0	**4589100**	259600
electro-hydraulic 230 V, fold-open bending frame, with 9 bending formers no. 263103-130	B	198.0	**4589290**	259610
manual-hydraulic, open bending frame, without bending formers	E	120.0	**4589370**	260000
manual-hydraulic, open bending frame, with 9 bending formers no. 263103-130	E	207.0	**4589450**	260100
electro-hydraulic 380-415 V, open bending frame, without bending formers	F	155.0	**4589530**	260500
electro-hydraulic 380-415 V, open bending frame, with 9 bending formers no. 263103-130	F	242.0	**4589610**	260510
electro-hydraulic 230 V, open bending frame, without bending formers	F	155.0	**4589880**	260600
electro-hydraulic 230 V, open bending frame, with 9 bending formers no. 263103-130	F	242.0	**4589960**	260610

PIPE BENDING MACHINE MSR 40 - 63 MM

◤ For multi-layer composite pipes up to a max. 90°

◤ With open bending frame

Available in various designs:

- manually or electro-hydraulically operated
- as basic tool without bending former or as a set with bending former no. 263940-963 and no. 258940-963

◤ Pressure 100 kN

◤ Delivery in assembly case

Optional bending tools under no. 263 - 267 available for:

- Gas and water pipes EN 10255 (DIN 2440/2441) from 3/8 to 2"
- Distilling pipes EN 10220 (DIN 2448) from 3/8 to 1.1/2" or 25 to 44.5 mm
- Railing tubes from 3/8 to 1.1/4"
- Electrical installation pipes EN 60423 from M12 to M40
- Metric pipes from 20 to 44.5 mm

◤ Bending tools for stainless steel pipes on request

included in delivery	kg	Code	No.
manual-hydraulic, open bending frame, without bending formers	73.0	**4588050**	258000
manual-hydraulic, open bending frame, with bending formers no. 263940-963 and counter-supports no. 258940-963	79.0	**2302829**	258102
electro-hydraulic 380-415 V, open bending frame, without bending formers	98.0	**4588210**	258500
electro-hydraulic 380-415 V, open bending frame, with bending formers no. 263940-963 and c ounter-supports no. 258940-963	104.0	**2302837**	258512
electro-hydraulic 230 V, open bending frame, without bending formers	98.0	**4588560**	258600
electro-hydraulic 230 V, open bending frame, with bending formers no. 263940-963 and counter-supports no. 258940-963	104.0	**2302845**	258612

261

PIPE BENDING MACHINE 1" - 4"

- For gas and water pipes EN 10255 (DIN 2440/2441) up to max. 90°
- With fold-open bending frame

Available in various designs:

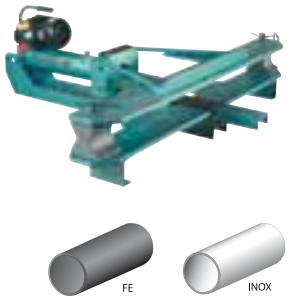
- manually or electro-hydraulically operated
- as the basic tool without bending former or as a set with bending former no. 263113-130, 263040

- Pressure 200 kN
- Delivery in wooden assembly case

Optional bending tools under no. 263 - 265 available for:

- Distilling pipes EN 10220 (DIN 2448) from 1" to 2.1/2" or 30 to 44.5 mm
- Railing tubes from 3/4" to 2"
- Electrical installation pipes EN 60423 from M20 to M50
- Metric pipes from 25 to 44.5 mm

- Bending tools for stainless steel pipes on request



included in delivery	kg	Code	No.
manual-hydraulic, fold-open bending frame, without bending formers	311.0	**4590030**	261000
manual-hydraulic, fold-open bending frame, with bending formers no. 263110-130, 263040	480.0	**4644060**	261100
electro-hydraulic 380-415 V, fold-open bending frame, without bending formers	330.0	**4590110**	261500
electro-hydraulic 380-415 V, fold-open bending frame, with bending formers no. 263110-130, 263040	499.0	**4644140**	261510

254 598

254

PUMP manual-hydraulic

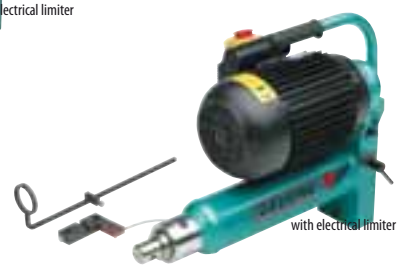
- Available in various power stages
- For bending without great effort
- Option to re-fit with electrical drive no. 254950 (380-415 V) or no. 254955 (230 V)

Size	Use in machine No.	kg	Code	No.
1.1/4	256	16.2	**4584730**	254100
2	249, 257-258, 2804	21.5	**4584810**	254200
3	250, 259-260	29.3	**4585030**	254300
4	261	56.0	**4585110**	254400

254

PUMP electro-hydraulic

- Available in various power stages
- No. 254601, 254651, 254701 and 254751 with electrical limiter for continuous pre-setting and repetition in the production of pipe bends



Size	Use in machine No.	Connection voltage Volt	kg	Code	No.
1.1/4	255-256	380-415	35.0	**4585380**	254500
1.1/4	255-256	230	35.0	**4585460**	254550
2	257-258	380-415	40.0	**4585540**	254600
2	249, 2804	380-415	41.0	**1599984**	254601
2	257-258	230	40.0	**4585620**	254650
2	249, 2804	230	40.8	**1599992**	254651
3	259-260	380-415	48.0	**4585700**	254700
3	250	380-415	48.8	**1600001**	254701
3	259-260	230	48.0	**4585890**	254750
3	250	230	48.8	**1600028**	254751
4	261	380-415	75.0	**4585970**	254800

When ordering spares, do indicate the pump number affixed at the pump housing!

E 254

GASKET SET

- For all GEDORE hydraulic pumps with machine number 254.....
- For equipment with other than the stated machine no. available on request
- Contains the most-frequently required wear parts
- We also recommend that the hydraulic oil is changed each time, see no. 269

for	kg	Code	No.
Machine no. 2541...	0.070	**4687890**	254160
Machine no. 2542...	0.075	**4689080**	254260
Machine no. 2543...	0.080	**4690170**	254360
Machine no. 2544...	0.100	**1549596**	254460
Machine no. 2545...	0.070	**4690840**	254560
Machine no. 2546...	0.075	**4624620**	254660
Machine no. 2547...	0.080	**4691140**	254760
Machine no. 2548...	0.100	**1378686**	254860

269

HYDRAULIC OIL 1 litre

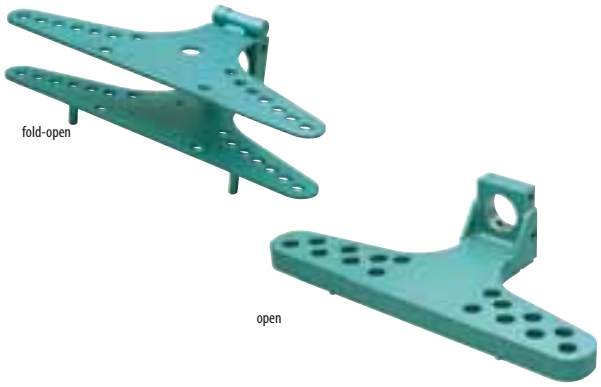
- For use with all GEDORE hydraulic pumps
- The volume stated is required each time

for pumps	required volume litre	kg	Code	No.
1.1/4"	0,90	0.880	**4599920**	269000
2"	1,25			
3"	1,90			
4"	3,50			

E 256 - E 261

BENDING FRAME

- Available in the open or fold-open design
- Without add-on components



Size	Use in machine No.	Execution	kg	Code	No.
1.1/4	256	open	15.4	**4641550**	256010
2	257	fold-open	12.4	**4642010**	257010
2	258	open	31.2	**4642440**	258010
3	259	fold-open	37.2	**4642870**	259010
3	260	open	95.0	**4643170**	260010
4	261	fold-open	281.0	**4643680**	261010

E 256 - E 261

COUNTER-SUPPORT (PIECE)

- Please note: 2 pieces of them are needed

Size	Use in machine No.	kg	Code	No.
1.1/4	256	1.4	**4641630**	256015
2	257	3.2	**4642280**	257015
2	258	2.9	**4642520**	258015
3	259	5.3	**4642950**	259015
3	260	4.3	**4643250**	260015
4	261	15.7	**4643760**	261015

E 256 - E 261

COUNTER-SUPPORT FIXING PIN (PIECE)

- Please note: 2 pieces of them are needed

Size	Use in machine No.	kg	Code	No.
1.1/4	256	0.850	**4641710**	256020
2	257	0.440	**4642360**	257020
2	258	0.960	**4642600**	258020
3	259	0.480	**4643090**	259020
3	260	2.020	**4643330**	260020
4	261	1.750	**4643840**	261020

E 256 - E 261

U-YOKE

Size	Use in machine No.	kg	Code	No.
1.1/4	256	0.180	**4721660**	256030
2	249, 257-258, 2804	0.400	**4641980**	258030
3	250, 259-260	0.480	**4643410**	260030
4	261	0.900	**4643920**	261030

254

ELECTRICAL CONVERSION KIT

- Complete retrofitting set for hand hydraulic pumps consisting of electric motor (380-415 V or 230 V), cam drive, conveying unit, carrying handle and all incidental parts needed
- For all hand-operated GEDORE hydraulic pumps from 2001, for older pumps on request

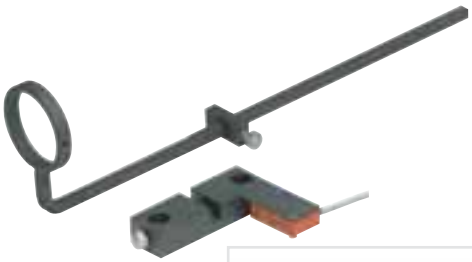
- * Can only be used in connection with electrical limiter no. 254680

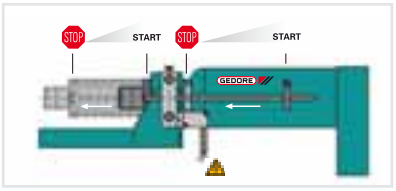
Use in machine No.	Connection voltage Volt	kg	Code	No.
249*, 250*, 256-261, 2804*	380-415	19.0	**4718870**	254950
249*, 250*, 256-260, 2804*	230	19.0	**4718950**	254955

254

ELECTRICAL LIMITER

- For continuous pre-setting and repetition in the production of pipe bends
- Electrically-powered pipe and angle bending tools no. 249, no. 250 and 2804 can be upgraded
- Enamelled black





Use in machine No.	kg	Code	No.
249, 2804	0.750	**1441345**	254680
250	0.800	**1441353**	254780

254

EXTENSION CABLE

- For electro-hydraulic pumps 1.1/4", 2" and 3"
- Heavy rubber hose
- Can be used in dry and damp rooms
- For high mechanical loads, including construction sites

Description	Connection voltage Volt	kg	Code	No.
CEE extension cable 5 m	380-415	1.7	**4694080**	254982
CEE extension cable 10 m	380-415	3.1	**4694160**	254983
Safety extension cable 5 m	230	0.9	**4694240**	254984
Safety extension cable 10 m	230	1.6	**4694320**	254985

268

INSTALLATION TRIPOD, PIVOTABLE

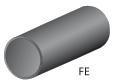
- Available in 2 sizes
- For GEDORE pipe bender no. 255-260 (standard equipment for benders no. 246, 249 and 2804)
- Enamelled blue

Height	Use	kg	Code	No.
480	for manual-hydraulic benders 1.1/4" and 2"	6.2	**4599760**	268000
680	for manual-hydraulic benders 3" and electric-hydraulic benders 1.1/4" to 3"	17.4	**4599840**	268001

2631

GREY CAST IRON BENDING FORMER UP TO 90°

- For gas and water pipes EN 10255-M (DIN 2440)
- Enamelled black

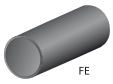


Use in machine No.	Size	∅ mm	r = mm	kg	Code	No.
256-260	3/8	17,2	45	0.9	**4539000**	263103
256-260	1/2	21,3	50	1.3	**4539190**	263105
256-260	3/4	26,9	75	2.2	**4539270**	263107
256-261	1	33,7	100	2.3	**4590460**	263110
256-261	1.1/4	42,4	115	2.4	**4590540**	263112
257-261	1.1/2	48,3	150	5.3	**4539350**	263115
257-261	2	60,3	200	6.7	**4539430**	263120
259-261	2.1/2	76,1	320	21.2	**4590620**	263125
259-261	3	88,9	380	30.4	**4590700**	263130

2630

STEEL BENDING FORMER UP TO 90°

- For gas and water pipes EN 10255 (DIN 2440/2441)
- For surface-protective bending
- Phosphated

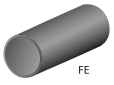


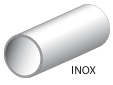
Use in machine No.	Size	∅ mm	r = mm	kg	Code	No.
256-260	1/2	21,3	50	1.3	**4655850**	263005
256-260	3/4	26,9	75	2.2	**4655930**	263007
256-261	1	33,7	100	2.3	**4656070**	263010
256-261	1.1/4	42,4	126	5.8	**4656150**	263012
257-261	1.1/2	48,3	145	5.3	**4656230**	263015
257-261	2	60,3	200	11.2	**4656310**	263020
259-261	2.1/2	76,1	320	21.2	**4656580**	263025
259-261	3	88,9	380	44.5	**4656660**	263030
261	4	114,3	600	98.0	**4644300**	263040

2640

STEEL BENDING FORMER UP TO 90°

- For standard-walled distilling pipes EN 10220 (DIN 2448) and metric pipes
- Phosphated



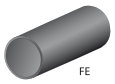


Use in machine No.	Size	∅ mm	r = mm	kg	Code	No.
256-260	1/2	21,3	75	2.5	**4595340**	264005
256-260	3/4	26,9	90	3.5	**4595420**	264007
256-261	1	33,7	130	5.4	**4595500**	264010
257-261	1.1/4	42,4	180	10.2	**4595690**	264012
255-260		20,0	90	3.4	**4593130**	264020
255-260		22,0	90	3.2	**4593210**	264022
255-260		25,0	115	3.6	**4595770**	264025
255-261		30,0	140	6.7	**4595850**	264030
255-261		32,0	140	6.6	**4595930**	264032
257-261		38,0	170	8.2	**4596070**	264038
257-261		44,5	190	10.7	**4596150**	264044
257-261	1.1/2	48,3	220	11.8	**4596230**	264048
259-261	2.1/2	76,1	420	49.3	**4596900**	264076

2649

STEEL BENDING FORMER UP TO 90°

- For electrical installation pipes EN 60423
- Phosphated

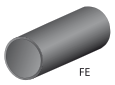


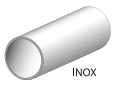
Use in machine No.	Size	∅ mm	r = mm	kg	Code	No.
256-260	M12	12	115	4.1	**1549626**	264912
256-260	M16	16	115	4.1	**4597390**	264916
256-261	M20	20	130	5.4	**1549634**	264920
257-261	M25	25	160	5.7	**1549642**	264925
257-261	M32	32	170	8.7	**1549650**	264932
257-261	M40	40	220	10.4	**1549669**	264940
259-261	M50	50	250	19.5	**1549677**	264950

2650

STEEL BENDING FORMER UP TO 90°

- For railing pipes with wall thickness from 1.75 to 2.00 mm
- Phosphated



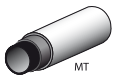


Use in machine No.	Size	∅ mm	r = mm	kg	Code	No.
256-260	3/8	17,2	110	3.6	**4539510**	265003
256-260	1/2	21,3	110	3.6	**4598280**	265005
256-261	3/4	26,9	137	6.1	**4598010**	265007
257-261	1	33,7	190	9.4	**4598360**	265010
257-261	1.1/4	42,4	220	12.4	**4545830**	265012
259-261	1.1/2	48,3	250	13.7	**4644650**	265015
259-261	2	60,3	315	25.0	**4644730**	265020

2639

BENDING FORMER MSR UP TO 90°

- For multi-layer composite pipes
- A counter-support set no. 2589 is needed for each size
- For surface-protective bending
- Made of plastic

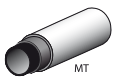


Use in machine No.	∅ mm	r = mm	kg	Code	No.
258	40	160	1.7	**2302853**	263940
258	50	200	2.1	**2302861**	263950
258	63	220	2.4	**2302888**	263963

2589

COUNTER-SUPPORT (PAIR) MSR UP TO 90°

- For surface-protective bending of multi-layer composite pipes
- Made of plastic



Use in machine No.	∅ mm	kg	Code	No.
258	40	2.1	**2302918**	258940
258	50	2.0	**2302934**	258950
258	63	1.9	**2302942**	258963

MAX. BENDING CAPACITIES ANGLE BENDERS NO. 280

	70 mm working height		100 mm working height		120 mm working height	
	cold mm	hot mm	cold mm	hot mm	cold mm	hot mm
Flat steel EN 10058 (DIN 1017) (material strength 370 N/mm²)	70 x 6 (70 x 10)* (50 x 15)* (30 x 20)*	70 x 10 (70 x 20)* (50 x 25)*	100 x 10 80 x 12 50 x 15 30 x 20	100 x 20 80 x 25	120 x 8 100 x 10 80 x 12 50 x 15 30 x 20	120 x 20 80 x 25
Square steel stock EN 10059 (DIN 1014) (material strength 370 N/mm²)	6 (22)*	10 (30)*	22	30	22	30
Round steel stock EN 10060 (DIN 1013) (material strength 370 N/mm²)	6 (25)*	10 (30)*	25	30	25	30
Angled steel stock EN 10056-1 (DIN 1028) (material strength 370 N/mm²)	70 x 6	70 x 9	100 x 10	100 x 12	120 x 10	120 x 15
CU-flat bars EN 13601 (material strength 250 N/mm²)	60 x 6 (60 x 30)*		100 x 30		120 x 10 100 x 30	
AL-flat bars EN 754-5 (DIN 1769) (material strength 160 N/mm²)	70 x 10 (70 x 30)*		100 x 30		120 x 15 100 x 30	

* optional bending tool no. 280072 is necessary

280

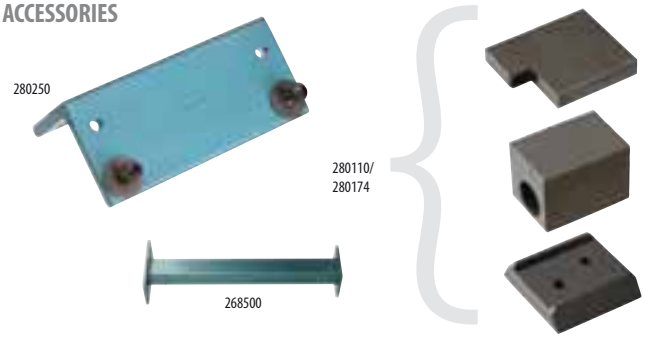
ECCENTRIC ANGLE BENDER 70 mm working height

- For round, flat and angled stocks in steel, copper or aluminium up to 90°
- With bending tool sharp-edged / r = 4 mm no. 280071 for material thicknesses up to 6 mm
- Optionally available is the bending tool no. 280072 for greater material thicknesses - see E 280 bending tools
- With stepless adjustable angle stop
- With length stop
- Manual base unit for mounting on a workbench; with optional tripod no. 268500 for stationary use
- With optional available angle no. 280250 for vice fixture

Included in delivery	kg	Code	No.
Basic tool 70 mm working height, manual, with bending lever extension no. 268230	29.5	**4539940**	280070

E 280

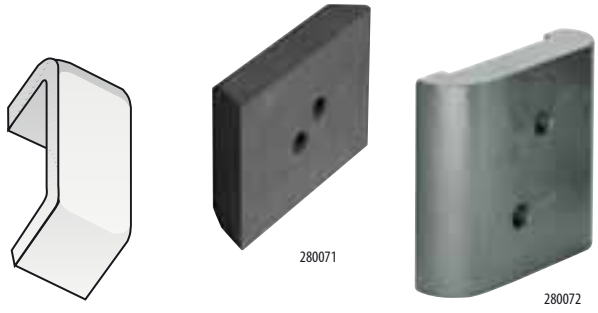
ACCESSORIES



Description	kg	Code	No.
Tripod	21.2	**2681072**	268500
Angle for vice fixture	3.3	**2009544**	280250
Modification set for 100 mm working height	7.5	**4644810**	280110
Modification set for 120 mm working height	9.0	**4645380**	280174

E 280

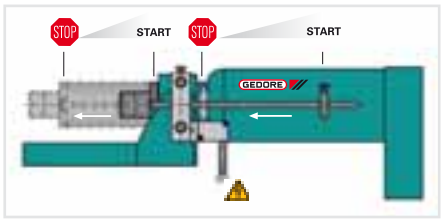
BENDING TOOLS



Description	kg	Code	No.
Standard bending tool, sharp-edged / r = 4 mm for material thicknesses up to 6 mm	1.0	**4605240**	280071
Radiused bending tool r = 15 mm / r = 25 mm for material thicknesses up to 30 mm	1.1	**4605320**	280072

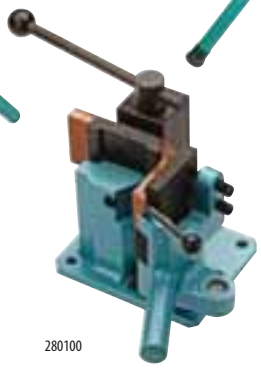
ECCENTRIC ANGLE BENDER 100 mm working height

- For round, flat and angled stocks in steel, copper or aluminium up to 90°
- With bending tool sharp-edged / r = 4 mm no. 280111 for material thicknesses up to 6 mm
- With bending tool r = 15 mm / r = 25 mm no. 280112 for material thicknesses up to 30 mm
- Optionally available are bending tools for a diversity of applications - see E 280 bending tools
- With stepless adjustable angle stop, electro-hydraulic devices with electrical limiter
- With length stop
- Manual base unit for mounting on a workbench, with optional tripod no. 268500 for stationary use
- With optional available angle no. 280250 for vice fixture
- Hydraulic equipment mounted on pivotable tripod



280401/
280402

280400


280100

Included in delivery	kg	Code	No.
Basic tool 100 mm working height, manual, with bending lever extension no. 268230	32.5	**4535010**	280100
Basic tool 100 mm working height, on base plate with tripod No. 280210 and pump, manual-hydraulic no. 254200	104.6	**4606640**	280400
Basic tool 100 mm working height, on base plate with tripod No. 280210 and pump, electro-hydraulic, 380-415 V no. 254601	129.1	**4606720**	280401
Basic tool 100 mm working height, on base plate with tripod No. 280210 and pump, electro-hydraulic, 230 V no. 254651	129.1	**1547585**	280402

ACCESSORIES

- Pumps exchangeable for benders no. 249, 257 and 258

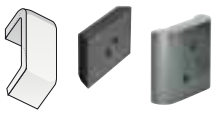
280250

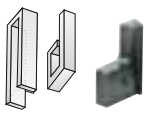
280110/
280174

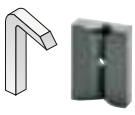
268500

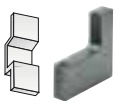
Description	kg	Code	No.
Tripod	21.2	**2681072**	268500
Angle for vice fixture	3.3	**2009544**	280250
Modification set for 120 mm working height	9.0	**4645380**	280174
Base plate with tripod for use with hydraulic pump (in connection with no. 254200, no. 254601 or no. 254651)	33.2	**4606560**	280210
Pump 2", manual-hydraulic	21.5	**4584810**	254200
Pump 2" 380-415 V with electrical limiter	41.0	**1599984**	254601
Pump 2" 230 V with electrical limiter	40.8	**1599992**	254651

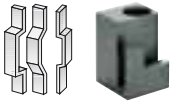
BENDING TOOLS


280111 280112


280113-114


280115


280116


280117

Description	kg	Code	No.
Standard bending tool, sharp-edged / r = 4 mm for material thicknesses up to 6 mm	1.5	**4605400**	280111
Radiused bending tool r = 15 mm / r = 25 mm for material thicknesses up to 30 mm	1.6	**4605590**	280112
Bending tool for producing saddles and rectangular bends, sharp-edged for material thicknesses up to 3 mm	0.8	**4605670**	280113
Bending tool for producing saddles and rectangular bends, r = 4 mm for material thicknesses up to 6 mm	0.9	**4605750**	280114
Bending tool for making diamond bends	0.7	**4605830**	280115
Bending tool for high saddles	1.2	**4605910**	280116
Offset block for narrow saddles	2.4	**4606050**	280117

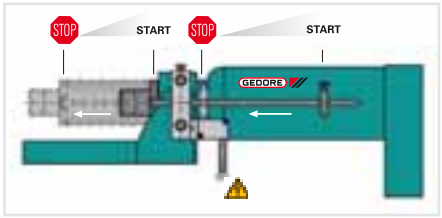
ECCENTRIC ANGLE BENDER 120 mm working height

- For round, flat and angled stocks in steel, copper or aluminium up to 90°
- With bending tool sharp-edged / r = 4 mm no. 280161 for material thicknesses up to 6 mm
- With bending tool r = 15 mm / r = 25 mm no. 280162 for material thicknesses up to 30 mm
- With stepless adjustable angle stop, electro-hydraulic devices with electrical limiter
- With length stop
- Manual base unit for mounting on a workbench; with optional tripod no. 268500 for stationary use
- With optional available angle no. 280250 for vice fixture
- Hydraulic equipment mounted on pivotable tripod

280421/
280422

280420

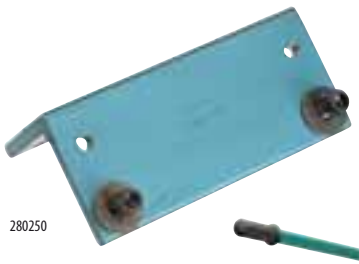
280120



Included in delivery	kg	Code	No.
Basic tool 120 mm working height, manual, with bending lever extension no. 268230	34.1	**4606130**	280120
Basic tool 120 mm working height, on base plate with tripod No. 280210 and pump, manual-hydraulic no. 254200	106.4	**4645620**	280420
Basic tool 120 mm working height, on base plate with tripod No. 280210 and pump, electro-hydraulic, 380-415 V no. 254601	130.9	**4645700**	280421
Basic tool 120 mm working height, on base plate with tripod No. 280210 and pump, electro-hydraulic, 230 V no. 254651	130.9	**1544950**	280422

ACCESSORIES

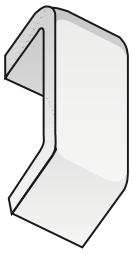
- Pumps exchangeable for benders no. 249, 257 and 258


280250

268500

Description	kg	Code	No.
Tripod	21.2	**2681072**	268500
Angle for vice fixture	3.3	**2009544**	280250
Base plate with tripod for use with hydraulic pump (in connection with no. 254200, no. 254601 or no. 254651)	33.2	**4606560**	280210
Pump 2", manual-hydraulic	21.5	**4584810**	254200
Pump 2" 380-415 V with electrical limiter	41.0	**1599984**	254601
Pump 2" 230 V with electrical limiter	40.8	**1599992**	254651

BENDING TOOLS



280161

280162

Description	kg	Code	No.
Standard bending tool, sharp-edged / r = 4 mm for material thicknesses up to 6 mm	1.8	**4645030**	280161
Radiused bending tool r = 15 mm / r = 25 mm for material thicknesses up to 30 mm	2.0	**4645110**	280162

MAXIMUM BENDING CAPACITIES RING BENDING MACHINE NO. 285

	bis mm
Flat steel EN 10058 (DIN 1017) (material strength 370 N/mm²)	50 x 6
Flat bar, vertical EN 10058 (DIN 1017) (material strength 370 N/mm²)	20 x 5 *
Square steel stock EN 10059 (DIN 1014) (material strength 370 N/mm²)	13 x 13
Round steel stock EN 10060 (DIN 1013) (material strength 370 N/mm²)	15 *
Angled steel stock EN 10056-1 (DIN 1028) (material strength 370 N/mm²)	20 x 20 x 3 *
T-iron EN 10055 (DIN 1024) (material strength 370 N/mm²)	20 x 20 x 3 *

* Please note: Optional bending tools are required - see E 285

285

RING BENDING MACHINE

- Manual 3-roller ring bending machine
- Vertical operation
- Standard roller set for flat and square stock included
- With two speeds
- Base unit for mounting on a workbench (with optional available angle no. 285250 for vice fixture)
- Enamelled blue

Description	kg	Code	No.
Basic tool with standard roller set	34.0	**4606800**	285000

E 285

BENDING TOOLS

Description	kg	Code	No.
2-piece upper roller for shaping L and T sections, with leg inside	1.5	**4606990**	285001
Set 2-piece lower rollers for shaping vertical flat stock, L and T sections, with leg outside	2.7	**4607020**	285002

E 285

ACCESSORIES

268500

Description	kg	Code	No.
Tripod	21.2	**2681072**	268500
Angle for vice fixture	3.3	**2009552**	285250

GEDORE INDIVIDUAL ... CUSTOMISED FOR YOU!

Individual – precise – customised – flexible – right on!

- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU**.
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

Technical Symbols

- Weight (total)
- Length (total)
- Diameter (also dia. of head, of shaft, of points)
- Diameter
- Width across flats (Nominal Width)
- Width across flats (Nominal Width)
- Square drive (external)
- Square drive (internal)
- Depth of opening / Clamping width / Clamping range
- External hexagon
- Unit Drive bi-hexagon
- Jaw width / tape width
- Head width
- Head diameter
- Dimension head/striking face
- Distance, hole to edge
- magnetic
- Magnetic lifting power
- new
- Catalogue page

Automotive Tools

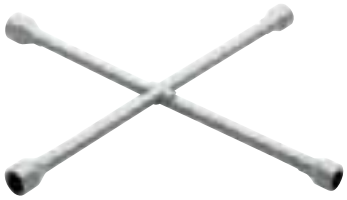
Tyre fitting / removal		606 – 608
Brakes		608
Oil service / V-Belts / Filters		609
Pistons / Valves		610 – 612
Electric system		612
Lifters		613
Spark Plugs		614 – 615
Car body work		616
Exhaust / Engine / Various		616 – 618
Bodywork tool sets / Sheet metal forming tools		618 – 619
Equipment		619
Automotive Special Tools		620 – 621

KLANN

www.klann-online.com

FOUR-WAY WHEEL WRENCH

- Hot forged hexagon
- The collar, typical of GEDORE 4-way wheel wrenches, enlarges the welding area.
- The positive-fit joint remains solid even under extreme loading..



28 PKH

2-WAY WHEEL WRENCH FOR CARS

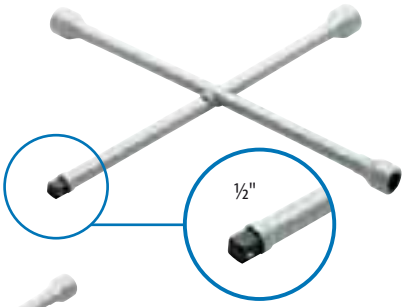
- An indispensible tool for all usual car wheel nuts
- With a protective central reinforcement (DBGM = German utility patent)
- Practical and strong, with long lever arm, a space-saver in the car boot
- GEDORE vanadium steel 31CrV3, chrome-plated
- Dimensions: 410 x 260 mm

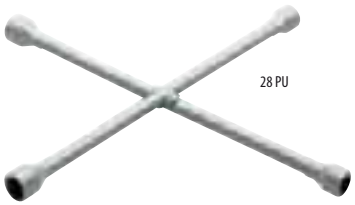
mm	∅ mm	kg	Code	No.
17x19 (3/4")	26x28,5	1.020	**6227290**	28 PKH

28 PU + 28 PUV

4-WAY WHEEL WRENCH FOR CARS

- For car wheel nuts in metric and inch sizes
- Acc. to DIN 3119, ISO 6788
- With protective central reinforcement (DBGM = German utility patent)
- GEDORE vanadium steel 31CrV3
- GEDORIT silver powder-coated
- **CS** = chrome-plated
- Dimensions: 420 x 420 mm



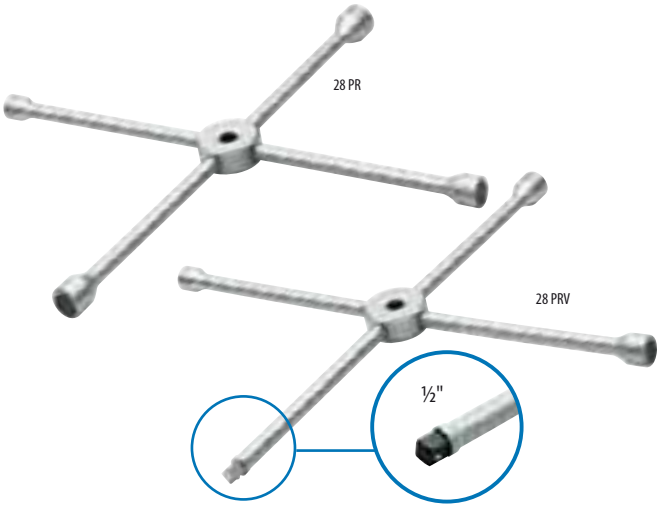


mm	∅ mm	kg	Code	No.
17x19 (3/4")x21x11/16"	26x28,5x30,5x26	1.285	**6227610**	28 PU
17x19 (3/4")x21x11/16"	26x28,5x30,5x26	1.290	**6227960**	28 PU CS
17x19 (3/4")x21x1/2" 4kt	26x28,5x30,5x17,5	1.315	**6228260**	28 PUV

28 PR + 28 PRV

UNIVERSAL 4-WAY WHEEL WRENCH for cars and small trucks

- Acc. to DIN 3119, ISO 6788
- With solid turned centre, for the car and truck workshop
- With extra long lever arm and great range of sockets
- GEDORE vanadium steel 31CrV3, chrome-plated
- Dimensions: 550 x 550 mm



mm	∅ mm	kg	Code	No.
17x19 (3/4")x21x24	26x28,5x30,5x35,5	2.315	**6227530**	28 PR
17x19 (3/4")x21x1/2" 4kt	26x28,5x30,5x17,5	2.255	**6227880**	28 PRV

8573-00 · DMK 200 267 · 286

- For the controlled tightening of wheel nuts or studs, we recommend torque wrenches
- For truck wheels, we specially recommend the DR-LKW torque wrench
- For tightening and wrench sizes see tables in annex

K 19 LS / K 19 LS-004 233 · 234

28 CU

4-WAY WHEEL WRENCH FOR SMALL TRUCKS

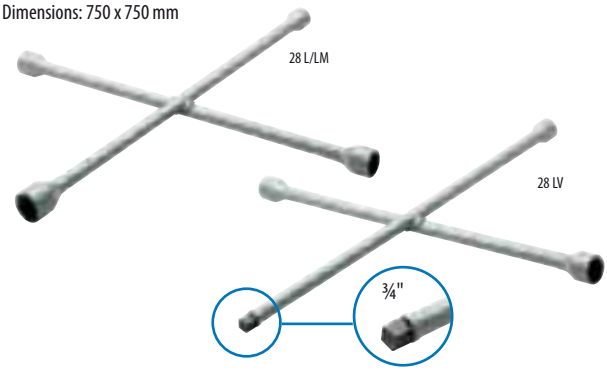
- For delivery vans and light trucks, buses and tractors
- Acc. to DIN 3119, ISO 6788
- GEDORE vanadium steel 31CrV3
- GEDORIT silver powder-coated
- Dimensions: 600 x 600 mm

⬡ mm	∅ mm	kg	Code	No.
19x24x22x27 (3/4x15/16x7/8x1.1/16")	28,5x32x34,5x38,5	3.155	**6228500**	28 CU

28 L - LM - LV

4-WAY WHEEL WRENCH FOR TRUCKS

- For trucks, agricultural machines, tractors and industrial uses
- Acc. to DIN 3119, ISO 6788
- GEDORE vanadium steel 31CrV3
- GEDORIT silver powder-coated
- Dimensions: 750 x 750 mm

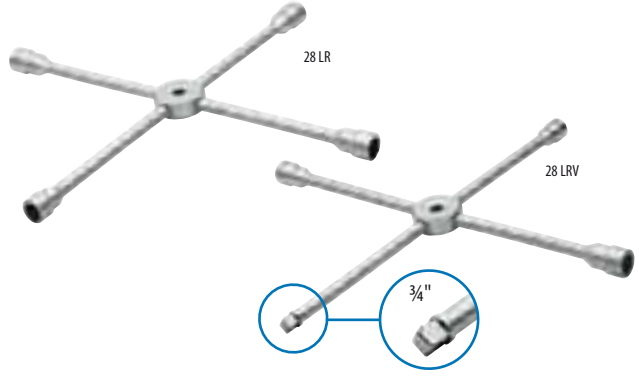


⬡ mm	∅ mm	kg	Code	No.
24x27x30x32	34,5x38,5x42x45	5.555	**6228770**	28 LM
24x27x32x38	34,5x38,5x45x52	5.610	**6228850**	28 L
24x32x27x3/4" 4kt	34,5x45x38,5x26	5.515	**6229150**	28 LV

28 LR + 28 LRV

4-WAY WHEEL WRENCH FOR TRUCKS

- For trucks and heavy machines
- With turned centre, especially sturdy
- GEDORE vanadium steel 31CrV3, chrome-plated
- Dimensions: 750 x 750 mm

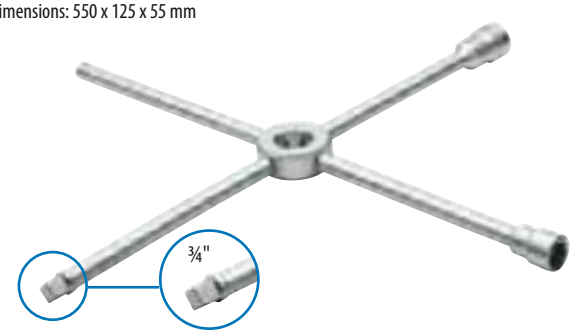


⬡ mm	∅ mm	kg	Code	No.
27x30x32x33	40x44x46x46	6.085	**6228930**	28 LR
27x30x32x3/4" 4kt	40x44x46x26	5.980	**6228420**	28 LRV

28 LRZ

4-WAY WHEEL WRENCH FOR TRUCKS

- For trucks and heavy machines
- With solid centre
- With plug-in arms and pin locking
- For practical stowage in buses and trucks
- GEDORE vanadium steel 31CrV3, chrome-plated
- Dimensions: 750 x 750 mm
- Complete in sturdy metal case with handle, dimensions: 550 x 125 x 55 mm



Contents	kg	Code	No.
1 centre piece 35 mm, d 88 mm, No. E-28 LRZ-MS **1 lever handle 354 mm, d 22 mm, No. E-28 LRZ-DS** **1 arm 3/4" square, 354 mm, No. E-28 LRZ-3/4"** **1 arm hexagon 27 mm, 354 mm, No. E-28 LRZ-27** **1 arm hexagon 32 mm, 354 mm, No. E-28 LRZ-32** **1 screwdriver, short pattern, cross-slotted PH 1, No. 2161 PH 1**	7.510	**6228690**	28 LRZ

E-28 LRZ

PARTS FOR 4-WAY WHEEL WRENCH

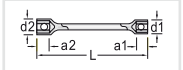
- For trucks and heavy machines
- With solid centre
- With plug-in arms and pin locking
- GEDORE vanadium steel 31CrV3, chrome-plated

Description	⊢mm⊣	Ø	kg	Code	No.
Centre piece 35 mm, d 88 mm	35	88	0.976	**6224430**	E-28 LRZ-MS
Lever handle 354 mm, d 22 mm	354	22	1.022	**6224510**	E-28 LRZ-DS
Arm 3/4", 354 mm	354	26	1.096	**6224780**	E-28 LRZ-3/4
Arm hexagon 24 mm, 354 mm	354	36	1.060	**6224860**	E-28 LRZ-24
Arm hexagon 27 mm, 354 mm	354	40	1.154	**6224940**	E-28 LRZ-27
Arm hexagon 30 mm, 354 mm	354	44	1.154	**6225080**	E-28 LRZ-30
Arm hexagon 32 mm, 354 mm	354	46	1.300	**6225160**	E-28 LRZ-32

27

WHEEL SOCKET WRENCH FOR TRUCKS

- With great head depth, for protruding bolts, without tommy bar
- GEDORE vanadium steel 31CrV3, chrome-plated
- Please order tommy bar 27 D separately

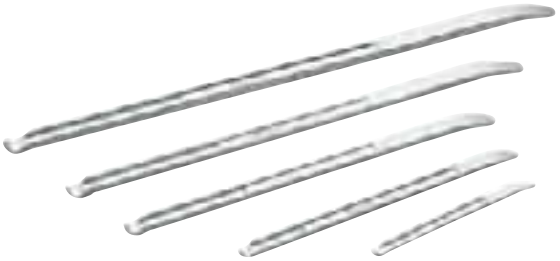


⬡ mm	"AF	L	a_1	a_2	d_1	d_2	Ø	kg	Code	No.
24 x 27	15/16 x 1.1/16	400	34.5	34.5	36	40		1.148	**6225240**	27 24x27
27 x 32		400	34.5	34.5	40	46		1.453	**6220010**	27 27x32
28 x 32		400	34.5	34.5	41	46		1.134	**6220280**	27 28x32
30 x 32	1.3/16 x 1.1/4	400	34.5	34.5	44	46		1.459	**6225910**	27 30x32
30 x 33		400	34.5	34.5	44	47		1.442	**6220440**	27 30x33
32 x 38	1.1/4 x 1.1/2	400	34.5	34.5	46	54		1.509	**6225400**	27 32x38
		630					18	1.260	**6227100**	27 D

38

TYRE LEVER

- Profiled pattern, forged from solid stock
- With protective surfaces for light-alloy wheels
- GEDORE vanadium steel 31CrV3, chrome-plated



mm	inch	kg	Code	No.
200	8	0.099	**6332320**	38 8
305	12	0.221	**6332400**	38 12
400	16	0.405	**6332670**	38 16
500	20	0.602	**6332830**	38 20
610	24	0.927	**6332910**	38 24

39

TYRE LEVER heavy-duty pattern

- Heavy-duty, offset pattern
- GEDORE vanadium steel 31CrV3, chrome-plated

mm	inch	kg	Code	No.
610	24	1.365	**6333050**	39

631

HUBCAP REMOVING TOOL

- For damage-free removal of chrome-plated hubcaps
- Chrome-plated

mm	kg	Code	No.
150	0.166	**6520830**	631

8276

BALANCE WEIGHT PLIERS

- For removing, cutting, and attaching balancing weights
- GEDORE vanadium steel 31CrV3

mm	inch	kg	Code	No.
250	10	0.386	**6739350**	8276-250 C

BRAKES

135

BRAKE SPRING PLIERS

- For drum brakes
- With special holder and support crown, particularly suitable for glued brake linings
- GEDORE vanadium steel 31CrV3, chrome-plated

mm	inch	kg	Code	No.
330	13	0.389	**6405300**	135 13
480	19	0.956	**6405490**	135 19

135

BRAKE SPRING PLIERS heavy-duty pattern

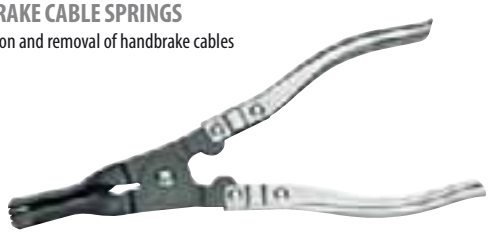
- For drum brakes
- With replaceable spring hooks (E-135 20) and hand protectors
- GEDORE vanadium steel 31CrV3, chrome-plated

mm	inch	kg	Code	No.
500	20	1.058	**6400180**	135 20
		0.016	**5400480**	E-135 20

1600

PLIERS FOR BRAKE CABLE SPRINGS

- For the installation and removal of handbrake cables



mm	inch	kg	Code	No.
227	8.1/2	0.234	**6630340**	1600-402

643

BRAKE CALIPER BRUSH

- For cleaning all brake calipers
- With blue plastic handle

mm	Bristle length	kg	Code	No.
225	21	0.094	**6531440**	643

8726

BRAKE CALIPER FILE

mm	inch	kg	Code	No.
260	10	0.131	**6770780**	8726

OIL SERVICE

299

DRAIN PLUG WRENCH

- For square plugs on engine sumps and oil drums, in nine common sizes
- GEDORE vanadium steel 31CrV3, chrome-plated
- 5 square sizes: 8.7, 9.5, 10.5, 11.5, 13 mm
- 4 tapered sizes: 6.8-8.7, 10.5-13, 15.2-18, 16.5-19 mm
- One screwdriver blade: 5.5 x 18 mm

⊢ mm ⊣	kg	Code	No.
220	0.459	**6464580**	299

298

OIL CAN

- **298-00** / **298-01** Plastic oil can with sliding brass tube and cap
- **298-02** simple oil can in plastic

Litre	Pint	kg	Code	No.
0.250	1/2	0.979	**6390010**	298-00
0.125	1/4	0.074	**6390280**	298-01
0.025	1/16	0.010	**6390360**	298-02

298-04

OIL CAN

- Strong, cast iron pattern with pump, 300 ml

Litre	Pint	kg	Code	No.
0.3	5/8	0.492	**6390520**	298-04

298-05

OIL CAN

- For working in every position
- With double-stroke metal pump
- Strong, cast iron pattern, 300 ml

Litre	Pint	kg	Code	No.
0.3	5/8	0.453	**6390600**	298-05

V-BELTS / FILTERS

37 + 37 V

UNIVERSAL FILTER WRENCH

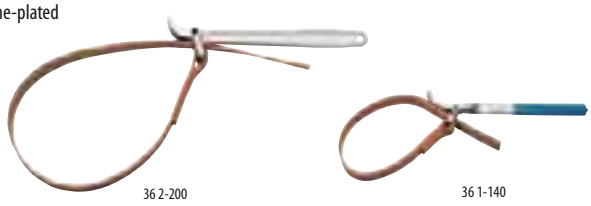
- For all usual oil filters and round screwed unions
- Adjustable metal strap, nickel-plated
- **37** with handle
- **37 V** with 1/2" square drive for all 1/2" tools

mm	⊢ mm ⊣ (appr.)	kg	Code	No.
80-110	285	0.349	**6327670**	37
80-110	150	0.265	**6327750**	37 V

36

STRAP WRENCH

- With strong, non-slip fabric strap (E-36), extra wide = 25 mm
- 36 1-140 made from C45 steel
- 36 2-200 made from GEDORE vanadium steel 31CrV3
- Chrome-plated



∅ mm	∅ inch	⊢ mm ⊣	mm	kg	Code	No.
140	9/64	220	25	0.278	**6327320**	36 1-140
200	13/64	285	25	0.578	**6327400**	36 2-200

E-36

STRAP WRENCH

- Strong, non-slip fabric strap, extra wide = 25 mm

⊢ mm ⊣	mm	kg	Code	No.
480	25	0.062	**5327380**	E-36 1-140
900	25	0.104	**5327460**	E-36 2-200

36 Z

SPECIAL STRAP WRENCH

- For tightening and counter-holding V-belt pulley wheels
- Spare strap E-36 Z

⊢ mm ⊣	∅ mm	∅ inch	kg	Code	No.
257	160	5/32	0.379	**6320070**	36 Z-140

E-36 Z

SPARE STRAP

⊢ mm ⊣	kg	Code	No.
257	0.080	**1380613**	E-36 Z-140

654

VALVE GRINDER

- With automatic reversal of lapping direction
- For use in hand drills
- Supplied with suction cups 652-20, -25, -30, -37

∅ mm	|◂ mm ▸|	kg	Code	No.
65	135	0.750	**6535270**	654

653

VALVE LAPPING TOOL

- Hand-held type with suction cup 652-25
- Beech wood handle

∅ mm	|◂ mm ▸|	kg	Code	No.
25	225	0.050	**6532680**	653

652

SPARE RUBBER SUCTION CUP for 653 and 654

∅ mm	|◂ mm ▸|	kg	Code	No.
20	38	0.010	**6530120**	652-20
25	38	0.011	**6532410**	652-25
30	38	0.012	**6530200**	652-30
37	38	0.016	**6530390**	652-37

124

PLIERS FOR VALVE SEALS

- For pulling valve shaft sealing rings and removing valve spring supports
- For VW Audi, BMW, Mercedes, Opel, Ford, Nissan etc.
- Gun-metal finish, handles chrome-plated

|◂ mm ▸|	|◂ "inch ▸|	kg	Code	No.
250	10	0.348	**6399310**	124

128

VALVE SPRING COMPRESSOR

- For overhead valve engines
- With one pair each of straight and offset hooks
- Bright nickel-plated

128-2-235

128-1-280

|◂ mm ▸|	|◂ "inch ▸|	mm	"inch	kg	Code	No.
290	11.1/2	60-225	2.3/8-9	1.326	**6398500**	128 2-225
390	15	120-280	4.3/4-11.1/2	3.200	**6398690**	128 1-280

125

PISTON RING COMPRESSOR

- In special band spring steel, with continuous adjustment
- With clamping wrench

125 1

125 1
125 2

125 3

|◂ mm ▸|	|◂ "inch ▸|	∅ mm	kg	Code	No.
50	2	40-75	0.115	**6396720**	125 0
80	3	57-125	0.257	**6396800**	125 1
80	3	90-175	0.294	**6396990**	125 2
165	6.1/2	90-175	0.548	**6397020**	125 3

126

PISTON RING PLIERS

- With prism holder for secure fitting of piston rings
- With adjusting screw
- Bright nickel-plated

|◂ mm ▸|	|◂ "inch ▸|	∅ mm	kg	Code	No.
210	8.1/4	30-60	0.158	**6397100**	126 0-60

126

PISTON RING PLIERS

- For securely fitting piston rings
- Handles blue coated
- Bright nickel-plated

∅ mm	⊢ mm ⊣	⊢ "inch ⊣	kg	Code	No.
55-100	200	8	0.296	**6397370**	126 1-100
80-120	240	9.1/2	0.344	**6397450**	126 2-120
110-160	240	9.1/2	0.402	**6397530**	126 3-160

127

PISTON RING PLIERS

- With prism holder for safe piston ring spreading
- In special steel
- Prism holders hardened
- Chrome-plated, tips gun-metal finish

∅ mm	⊢ mm ⊣	⊢ "inch ⊣	kg	Code	No.
60-160	220	8.5/8	0.207	**6397610**	127

132

HOSE CLAMP PLIERS

- For self-clamping hose clamps
- Handles chrome-plated

⊢ mm ⊣	⊢ "inch ⊣	kg	Code	No.
220	8.3/4	0.215	**6399900**	132

132-2

HOSE CLAMP PLIERS

- Rotating v-jaws for spring hose clamps with flat butt ends
- The pliers allow the clamp to be opened and closed without damaging the hose, even in hard-to-reach areas
- For use on VAG-vehicles (e.g. VW, Audi, Škoda, Seat)
- Made from steel sheet, nickel-plated

⊢ mm ⊣	kg	Code	No.
207	0.192	**1894382**	132-2

132-3

HOSE CLAMP PLIERS

- Rigid v-jaws
- For use on VAG-vehicles (e.g. VW, Audi, Škoda, Seat)
- Made from steel sheet, nickel-plated

⊢ mm ⊣	kg	Code	No.
195	0.165	**1894390**	132-3

132-4

HOSE CLAMP PLIERS CLIC

- With revolving locking bolts for CLIC hose clamps
- To open or close, just turn the plier by 180 degrees
- The pivotable bolts enable the usage even in hard-to-reach areas
- CLIC hose clamps are used on rubber and silicone hoses (e.g. automotive industry for fuel-, oil- and cooler-systems)
- Made from steel sheet, nickel-plated

⊢ mm ⊣	kg	Code	No.
210	0.181	**1894404**	132-4

134

HOSE CLAMP PLIERS

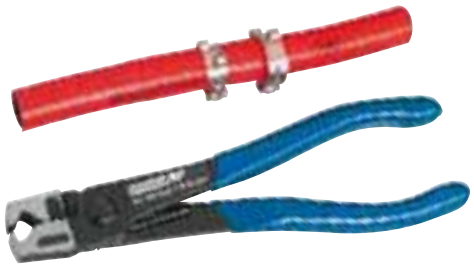
- With self-adjusting joint, DBGM (= German utility patent)
- Angled jaw
- Bright nickel-plated, joint gun-metal finish

mm	"inch	Code	No.	kg
180	7	**6391330**	134	0.411

132 CLIC

HOSE CLAMP PLIERS

- For CLIC-R hose clamps
- Polished, bright nickel-plated, joint gun-metal finish
- Forged execution for clamp diameter 5 - 30 mm

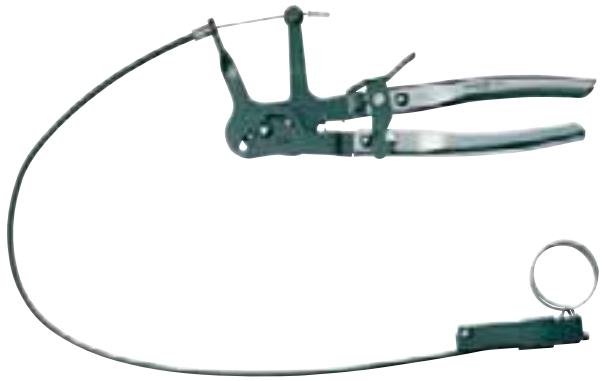


mm	"inch	kg	Code	No.
180	7	0.247	**1396714**	132 CLIC

134 B

HOSE CLAMP PLIERS

- Bowden-cable operation
- With self-adjusting joint, DBGM (= German utility patent)
- Angled jaw
- Bright nickel-plated, joint gun-metal finish

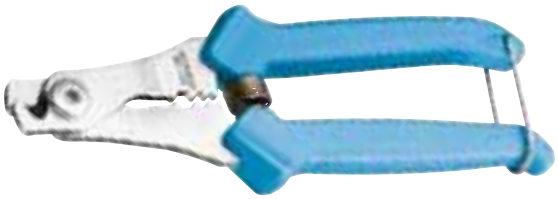


mm	"inch	kg	Code	No.
180	7	0.596	**6390950**	134 B

8317

BOWDEN CABLE CUTTER/WIRE ROPE CUTTER

- Crimping of bowden-cable sleeves and end-sleeves 1.5 mm and 2 mm
- For cutting wire rope up to 2 mm diameter and bowden-cable sleeves up to 5 mm diameter as well as for medium-hard wire
- With opening spring, transport lock and width adjustment
- Induction-hardened cutting edges
- Innovative GEDORE cutting form produces a precision cut
- Low overall weight
- DBGM (= German Utility Patent)



mm	kg	Code	No.
170	0.150	**2011638**	8317-160 JC

ELECTRIC SYSTEM

4612

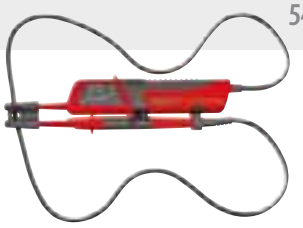
VOLTAGE TESTER

- For 3-48 Volt
- Use: automobile, utility vehicles
- LED displays the voltage in the area of 12, 24, 48 V as well as the polarity
- For work in confined areas
- TÜV and GS tested, IEC / EN 61010-1 (DIN VDE 0411)
- Measurements: 145 x 25 x 16mm
- Protection classification IP40, protection class III

Measuring range	kg	Code	No.
3-48 V	0.120	**1881647**	4612

V 4614 PLUS

540



4615

540

LIFTERS

121

SUCTION CUP LIFTER with 2 cups

- With suction mechanism and safety locking
- In ABS, resistant to oil and acids
- Fixed suction cups
- Lifting capacity 60 kg

mm	Ø	kg	Code	No.
325	120	0.577	**6391090**	121

121 G

SUCTION CUP LIFTER with 2 cups

- With suction mechanism and safety locking
- In ABS, resistant to oil and acids
- Movable suction cups
- Particularly suitable for curved panes
- Lifting capacity 45 kg

mm	Ø	kg	Code	No.
390	120	0.642	**6391170**	121 G

121-3

SUCTION CUP LIFTER with 3 cups

- Increased lifting safety with three fixed suction cups
- Aluminium, enamelled blue
- Lifting capacity 100 kg

Ø	kg	Code	No.
120	1.403	**6390790**	121-3

121 G-3

SUCTION CUP LIFTER with 3 cups

- Three movable suction cups, resistant to oil and acids, in ABS
- Particularly suitable for curved panes
- Cups blue colour, handle black aluminium
- Lifting capacity 100 kg

Ø	kg	Code	No.
120	1.345	**6390870**	121 G-3

640

MINI MAGNETIC LIFTER

- Flexible thin shaft for the smallest apertures

mm	Diameter of magnet	Ω	kg	Code	No.
400	3	120	0.024	**6530630**	640-120
400	4	270	0.025	**1785338**	640-270

642

MAGNETIC LIFTER with lamp

- For searching and lifting small metal parts in confined areas
- With flexible shaft and optical fibres leading through the shaft to the magnet
- If necessary, the magnet can be removed

mm	Diameter of magnet	Ω	kg	Code	No.
500	12	350	0.165	**6530470**	642

640

MAGNETIC LIFTER

- With flexible shaft and plastic handle
- Bright nickel-plated

mm	Diameter of magnet	Ω	kg	Code	No.
460	6.0	500	0.095	**6531010**	640-500
520	12.0	1800	0.230	**6531280**	640-1800
520	16.5	3000	0.275	**6531360**	640-3000

642 SP

MAGNETIC LIFTER with lamp, mirror and clip

- For searching and lifting small metal parts in confined areas
- If necessary, the magnet can be removed
- Mirror diameter 30 mm

mm	Diameter of magnet	Ω	kg	Code	No.
500	12	350	0.172	**6536750**	642 SP

641

CLAW GRIPPER

- With flexible shaft for grasping small parts
- Also suitable for inserting split pins, dowels, etc. in confined areas
- Max. gripping capacity 14 mm

mm	Ø	kg	Code	No.
540	7	0.103	**6531520**	641

SPARK PLUGS

50 - 57

SPARK PLUG SOCKET

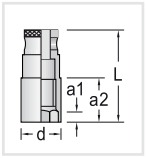
- With retention spring
- For use in confined areas, with jointed tools 3/8" or 1/2" square drive or tommy bar Ø 8 mm
- GEDORE vanadium steel 31CrV3, chrome-plated, polished head

mm	"AF	□"	L	t	a	d	kg	Code	No.
20.8	13/16	1/2	63.5	7	25.5	27.5	0.136	**6361690**	50
20.8	13/16	3/8	63.5	7	25.5	27.5	0.148	**6362580**	52
16.0		3/8	63.5	7	20.5	21.5	0.103	**6362740**	53
16.0		1/2	63.5	7	20.5	21.5	0.095	**6363040**	54
18.0		3/8	63.5	7	20.5	23.5	0.138	**6361770**	56
18.0		1/2	63.5	7	20.5	23.5	0.125	**6361930**	57

50 MH - 59 MH

SPARK PLUG SOCKET with magnet

- With two magnets
- For use in confined spaces with jointed tools 3/8" or 1/2" square drive or tommy bar Ø 8 mm
- With powerful magnets in the hexagon surface, which hold the spark plug safely on the hexagon
- Wide opening gives space to the spark plug and makes it easier to put on the socket in confined areas
- The ceramic core of the spark plug remains untouched
- GEDORE vanadium steel 31CrV3, chrome-plated, polished head



mm	"AF	□"	L	a_1	a_2	d	kg	Code	No.
20.8	13/16	1/2	64	7	30.5	27.5	0.136	**6361420**	50 MH
20.8	13/16	3/8	64	7	30.5	27.5	0.146	**6361500**	52 MH
16.0		3/8	64	7	30.5	21.5	0.100	**6363390**	53 MH
16.0		1/2	64	7	30.5	21.5	0.094	**6363470**	54 MH
18.0		3/8	64	7	30.5	23.5	0.137	**6361850**	56 MH
18.0		1/2	64	7	30.5	23.5	0.127	**6362150**	57 MH
13.0		3/8	64	7	30.5	18.0	0.074	**6366220**	59 MH

SAFETY NOTES

- For engines with ignition coils integrated in the spark-plug connector (coil-on-plug), use only spark-plug sockets with retainer springs! (Nos. 50 - 57)
- Do not use magnetic spark-plug spanners on coil-on-plug spark plugs!
- This can result in control unit faults!

D 55

SPARK PLUG SOCKET 3/8" UD profile

- With retention spring
- For use with jointed tools 3/8" square drive or tommy bar Ø 8 mm

mm	□"	□	L	t	a	d	kg	Code	No.
14	3/8	10	63.5	7.0	22.5	19.2	0.068	**1793586**	D 55

S 51 GU

SET OF SPARK PLUG SOCKETS 3/8" 10 pieces

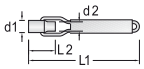
- 4 spark plug sockets with magnets, 1 socket with UD profile
- Reversible ratchet with flexible head and fine tooth mechanism, 3/8" square drive
- 3 extensions, 1 universal joint
- GEDORE vanadium steel 31CrV3
- In GEDORIT blue sheet steel case
- Dimensions: 320 x 210 x 55 mm

Contents	kg	Code	No.
52 MH 53 MH 56 MH 59 MH D 55 3093 GU-3 3090-3 -5 -10 3095	2.523	**1795554**	S 51 GU

D 48

SPARK PLUG SOCKET WRENCH

- Double ended
- Forged from solid stock
- With fully pivoting sheet metal covered lever
- With sheet clip
- GEDORE vanadium steel 31CrV3, chrome-plated

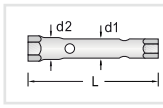


mm	"AF	L_1	L_2	d_1	d_2	kg	Code	No.
16 x 20,8	5/8 x 13/16	232	56	27.5	21.5	0.233	**6360100**	D 48

DS 49

SPARK PLUG SOCKET WRENCH

- With rubber holder and offset bores
- Forged and hardened, chrome-plated
- With angled tommy bar No. 49 D Ø 8 mm
- In seamless precision tubing as per DIN 2391-ST 55, chrome-plated



mm	"AF	L	d_1	d_2	kg	Code	No.
16 x 20,8	5/8 x 13/16	190	24	25	0.324	**6361340**	DS 49 R

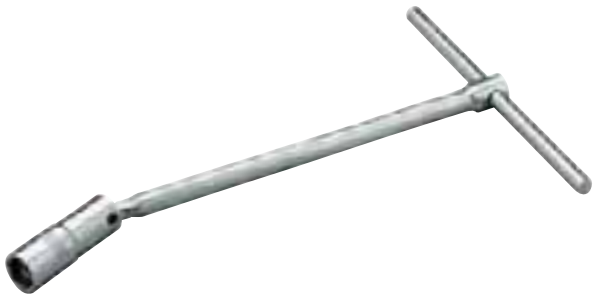
also available individually:

Description	L	d	kg	Code	No.
Spark plug socket wrench 16x20.8 mm	190		0.270	**6361260**	49 R
Tommy bar 175 mm, d 8 mm	175	8	0.073	**6360530**	49 D

58

SPARK PLUG SOCKET WRENCH

- With retention spring and joint
- Universal wrench, particularly suitable for MERCEDES vehicles
- GEDORE vanadium steel 31CrV3, chrome-plated

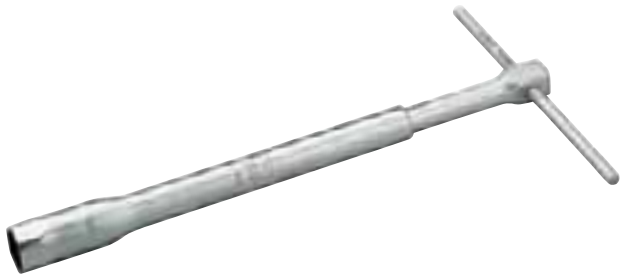


mm	"AF	L	d	kg	Code	No.
16.0	5/8	500	22.5	0.647	**6363200**	58 16
20.8	13/16	500	27.0	0.653	**6363120**	58 20,8

PR 265 - PR 345

SPARK PLUG SOCKET WRENCH

- With tommy bar 26 D 8 and 1/2" square drive for use with the torque wrenches
- Particularly suitable for Renault and Peugeot



mm	"AF	L	d	kg	Code	No.
16.0	5/8	270	20.2	0.250	**6646340**	PR 265
20.8	13/16	327	25.5	0.492	**6646930**	PR 345

647 - 648

SPARK PLUG BRUSH

- With plastic handle and brass wire bristles

mm	Bristle length	kg	Code	No.
180	15	0.022	**6531950**	647
100	14	0.009	**6532090**	648

GEDORE INDIVIDUAL ... CUSTOMISED FOR YOU!

- **Individual – precise – customised – flexible – right on!**
- From non-standard sizes, special surface treatment (colour and/or finish), customised tool modules through to special electronic product programming and establishing/ implementing individual maintenance intervals (calibration/services) - and a lot more besides.
- **WE** develop special tools, customised tools and/or quality forgings **for YOU.**
- Your problems are our assignments.
- Simply contact us !

CHECK COAT FORGE MOD RAL SIZE

EXHAUST / ENGINE / VARIOUS

4588

CHAIN PIPE CUTTER

- For cutting pipes at inaccessible places
- Gun-metal finish, handles nickel-plated
- Spare chain E-4588 A

∅ mm	∅ inch	handle length	chain length	kg	Code	No.
25-75	1-3	230	260	0.562	**6697840**	4588
			260	0.184	**5697390**	E-4588 A

4589

CHAIN PIPE CUTTER

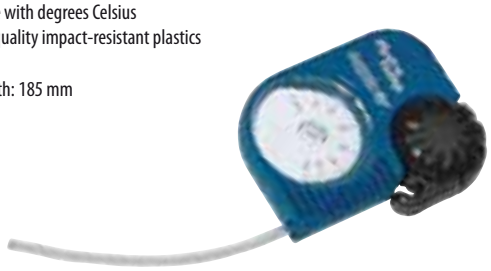
- For pipes with Ø 75 mm and wall thickness 2.6 mm
- Also suitable for stainless steel pipes
- Spare chain E 4589 A

∅ mm max.	length appr.	kg	Code	No.
80	246	0.909	**1446940**	4589
	315	0.200	**1446959**	E-4589 A

614

ANTI-FREEZE TESTER

- For ethylene glycol mixtures
- Practical, reliable apparatus with high measuring accuracy
- Easy-to-read scale with degrees Celsius
- Made from high-quality impact-resistant plastics
- Corrosion-proof
- Suction tube length: 185 mm



kg	Code	No.
0.150	**6523770**	614

8134

INSTALLATION PLIERS

- For spreading of horseshoe pattern circlips of shaft retainers, on motors, gearboxes, clutches, etc.
- For VW, AUDI and American vehicles
- GEDORE vanadium steel 31CrV3

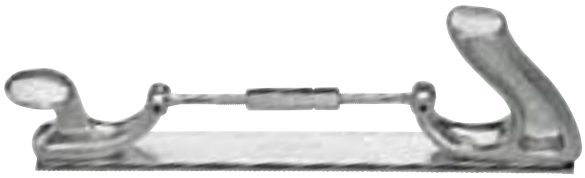
⟷ mm ⟷	⟷ "inch ⟷	kg	Code	No.
170	6.3/4	0.191	**6722030**	8134-170 C

CAR BODY WORK

269

BODYWORK FILE

- With light-alloy handle and flexible milled file blades
- **269 K** complete with 269 F 9
- **269 L** without milled file blade



Execution	kg	Code	No.
complete	1.050	**6460080**	269 K
without file blade	0.614	**6460160**	269 L

269 F

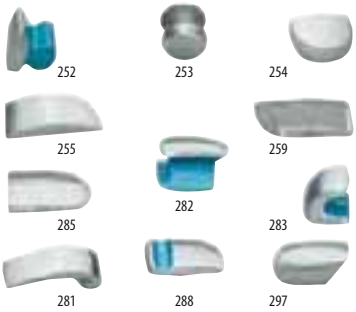
FLEXIBLE MILLED FILE BLADES

Teeth "	⟷ mm ⟷	kg	Code	No.
7	354	0.249	**5460030**	269 F 7
9	354	0.289	**5460110**	269 F 9
12	354	0.303	**5460380**	269 F 12

252 - 297

PLANISHING HAND ANVILS

- Made from hardened and tempered steel to EN 10083
- Enamelled, with ground faces



Measurements	kg	Code	No.
72 x 55 x 63	1.206	**6456990**	252
Ø 58.5 x 60	0.844	**6457020**	253
80 x 60 x 33	1.070	**6457100**	254
120 x 58 x 23	0.942	**6457290**	255
125 x 55 x 25	1.028	**6457610**	259
130 x 55 x 36	0.933	**6461720**	281
100 x 40 x 80 x 70 x 62	1.372	**6461800**	282
70 x 54 x 68	1.302	**6461990**	283
111 x 68 x 23.5	0.999	**6462020**	285
104 x 66 x 25	0.987	**6463340**	288
110 x 51 x 55	1.606	**6464230**	297

922 531

265

BENDING TOOL

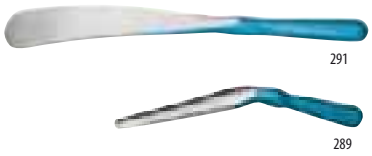
- Made from hardened and tempered steel to EN 10083
- Enamelled, with ground faces

mm	inch	kg	Code	No.
430	17	0.838	**6458420**	265

289 - 291

BODYWORK SPOON

- Made from hardened and tempered steel to EN 10083
- Enamelled, with ground faces



mm	inch	kg	Code	No.
275	11	0.545	**6463420**	289
390	16	1.014	**6463690**	291

292 - 293

BODYWORK LEVER

- GEDORE vanadium steel 31CrV3
- Enamelled, with ground faces

mm	inch	kg	Code	No.
450	16	1.888	**6463770**	292
500	19	2.186	**6463850**	293

251

FLAT ROUND FACE HAMMER

- With ergonomic ash handle (E-251 E)
- Made from hardened and tempered steel to EN 10083
- Enamelled blue, with ground faces

mm	mm	mm	mm	kg	Code	No.
300	155	40	31	0.497	**6456720**	251

SPARE HANDLE:

mm	kg	Code	No.
300	0.111	**1808621**	E-251 E

261

PLANISHING HAMMER

- With ergonomic ash handle (E-261 E)
- Made from hardened and tempered steel to EN 10083
- Enamelled blue, with ground faces

mm	mm	mm	kg	Code	No.
325	160	31	0.512	**6457960**	261

SPARE HANDLE:

mm	kg	Code	No.
325	0.111	**1440934**	E-261 E

271

LONG REACH HAMMER

- With ergonomic ash handle (E-271 E)
- Made from hardened and tempered steel to EN 10083
- Enamelled blue, with ground faces

mm	mm	mm	kg	Code	No.
330	160	28	0.673	**6460320**	271

272 - 273 - 274

SMOOTHING HAMMER

- With ergonomic ash handle (E-251 E, E-274 E)
- Made from hardened and tempered steel to EN 10083
- Enamelled blue, with ground faces
- The K models have one milled cross-hatched face and one smooth square face

mm	mm	mm	mm	kg	Code	No.
300	105	32	25	0.306	**6460400**	272
300	105	32	25	0.322	**6460590**	272 K
300	100	40	35	0.403	**6460670**	273
300	100	40	35	0.395	**6460750**	273 K
320	115	46	40	0.543	**6460830**	274
320	115	46	40	0.521	**6460910**	274 K

SPARE HANDLE:

mm	kg	Code	No.
300	0.111	**1808621**	E-251 E
320	0.090	**1808664**	E-274 E

275 - 276

EMBOSSING HAMMER

- With ergonomic ash handle (E-251 E)
- Made from hardened and tempered steel to EN 10083
- Enamelled blue, with ground faces

mm	mm	mm	kg	Code	No.
300	160	40	0.446	**6461050**	275
300	160	40	0.446	**6461130**	276

SPARE HANDLE:

mm	kg	Code	No.
300	0.111	**1808621**	E-251 E

277

POINT PEIN HAMMER

- With ergonomic ash handle (E-251 E)
- Made from hardened and tempered steel to EN 10083
- Enamelled blue, with ground faces

mm	mm	mm	kg	Code	No.
300	137	37	0.331	**6461210**	277

mm	kg	Code	No.
300	0.111	**1808621**	E-251 E

278

PLANISHING / GROOVING HAMMER

- With ergonomic ash handle (E-251 E)
- Made from hardened and tempered steel to EN 10083
- Enamelled blue, with ground faces

mm	mm	mm	kg	Code	No.
300	160	40	0.406	**6461480**	278

mm	kg	Code	No.
300	0.111	**1808621**	E-251 E

279

STEEL / RUBBER HAMMER

- With ergonomic ash handle (E-279 E)
- Made from hardened and tempered steel to EN 10083
- Enamelled blue, with ground faces
- Spare rubber cap (E-279)

mm	mm	mm	mm	kg	Code	No.
360	138	55	33	1.022	**6461560**	279

mm	kg	Code	No.
360	0.150	**1808710**	E-279 E

BODYWORK TOOL SETS

- Professional selection of tools
- Available loose or in a sturdy steel case, powder-coated blue hammer finish

260

BODYWORK TOOL SET 8 pieces

- Workshop selection
- Well-chosen workshop assortment for universal use
- In sheet steel case
- Dimensions: 525 x 206 x 78 mm

Contents	kg	Code	No.
251 252 253 254 255 281 273 K 226 E-2 + WK 260 L	8.9	**6457880**	260
251 252 253 254 255 281 273 K 226 E-2	6.7	**6459150**	S 260

280

BODYWORK TOOL SET 12 pieces

- Large workshop assortment
- Good selection of the most common bodywork tools
- In sheet steel case
- Dimensions: 545 x 230 x 110 mm

Contents	kg	Code	No.
272 K 273 K 277 278 281 282 288 291 292 293 259 225 E-32 + WK 280 L	15.4	**6461640**	280
272 K 273 K 277 278 281 282 288 291 292 293 259 225 E-32	11.8	**6462290**	S 280

300

BODYWORK TOOL SET 8 pieces

- Extremely versatile assortment
- Selection of the most common bodywork tools
- In sheet steel case
- Dimensions: 525 x 206 x 78 mm

Contents	kg	Code	No.
252 255 261 281 282 291 273 K 248 ST-30 + WK 300 L	9.7	**6462370**	300
252 255 261 281 282 291 273 K 248 ST-30	7.2	**6462100**	S 300

SHEET METAL FORMING TOOLS

8532

OFFSETTING PLIERS WITH PUNCH

- Combination pliers for offsetting sheet metal edges up to 1 mm and for punching sheet metal for spot welding
- The rotating head makes both operations possible using one tool
- Single-handed, low-force operation

●-mm-|	∅ mm	|◂ mm ▸|	kg	Code	No.
22	5	325	1.258	**6751130**	8532

8533

PUNCH PLIERS

- With adjustable stop for punching sheet metal up to 1.5 mm

●-mm-|	∅ mm	|◂ mm ▸|	kg	Code	No.
up to 30	5	260	0.955	**6751640**	8533

EQUIPMENT

905

CREEPER

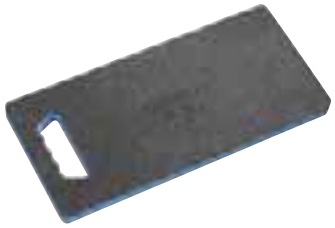
- Comfortable, ergonomically shaped one-piece creeper
- With practical carrying handle
- Made from PP (polypropylene) - kind on the skin, resistant to oil, grease and brake fluid
- Six swivel castors ensure easy and safe manoeuvrability
- Fatigue-free working, with head/neck cushion for maximum comfort
- Bucket moulding gives additional hold and allows maximum freedom of movement
- Two storage trays (right/left) to keep tools and small parts within easy reach
- Carrying capacity: 130 kg
- Temperature range -30 °C to +60 °C
- Dimensions: 1030 x 480 x 115 mm

L	W	H	kg	Code	No.
1030	480	115	5.0	**1823698**	905

906

KNEELING BOARD

- Made from solid foam, blue/black
- With indented grip
- Dimensions: 450 x 210 x 30 mm



L	W	H	kg	Code	No.
450	210	30	0.110	**1942948**	906

907

WING PROTECTOR

- Protection from unwanted scratches, dents and dirt
- Magnetic attachment keeps paintwork safe from damage - also attaches to galvanised steel sheet
- Rugged, padded imitation leather and reinforced edges provide a perfect, cushioned working area
- Dimensions: 1100 x 650 mm with wheel cut-out to allow free access

L	W	kg	Code	No.
1100	650	0.620	**1942956**	907

KLANN®

Spezial-Werkzeugbau-GmbH

When it is a matter of easing and optimizing repairs on vehicles, then across the world you will find KLANN special tools being used again and again.
For over 35 years now we have been developing and manufacturing innovative special tools for all types of vehicles.
Our prime aim is to make repairs safer, quicker and thus more reasonable in price.
That is why we undertake intensive developments in our own testing plant so as to react more rapidly to market requirements.
We use the most up-to-date technology in production and effect training directly on vehicles in our testing plant.

MORE INFORMATION?!

You can find more information and the special tools in our main catalogue or on the internet under:

www.klann-online.com

Quality Special Tools...

long-lasting, reliable and innovative

MADE IN GERMANY

KIS
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KIS - KLANN INFORMATION SYSTEM

Service is the name of the game for us!
Have you heard of our online KLANN Information System?
Here you can transcode OE tool numbers into KLANN Item Nos.

KLANN-Spezial-Werkzeugbau-GmbH

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78166 Donaueschingen
Postfach 1329
78154 Donaueschingen

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info@klann-online.de

www.klann-online.com

Partner in the GEDORE group

Torque technology - for exact and safe screwed connections

The use of regularly calibrated torque tools, quality bolts and the "right torque" are absolute prerequisites for safe screwed connections. It should go without saying that this involves the careful and correct selection and application of your torque tools. After all, bolts which are tightened based on a hunch represent a safety risk with potentially serious consequences. If the pre-tension force is too low, the screwed connection can loosen and if it is too high, there is a danger of breaking.

Torque technology is indispensable wherever exactly controlled screw tightening is required. And this involves more screwed connections that you'd think! Every day, our GEDORE tools prove their value in all types of industrial manufacturing, maintenance and repair areas as well as in the area of research and development.

In each of these areas, they offer user maximum safety. Whether standard products or special designs: the outstanding manufacturing quality and extensive service offered by GEDORE ensure continuous reliability, even under extreme conditions.

GEDORE company standards (Richard Abr. Herder GmbH & Co. KG)

- In-house certification according to DIN EN ISO 9001:2000 (initial certification: 1996).
- Own DAkkS calibration laboratory for torque measurements (scope of accreditation to DAkkS: tests in accordance with DAkkS-DKD-R 3-7:2003; DAkkS-DKD-R 3-8:2003; DIN EN ISO 6789:2003) with DAkkS-K-28201 registration number.
- National co-operation partner to the German Calibration Service (DAkkS) since accreditation (DIN EN ISO / IEC 17025) and authorisation by PTB in 2000
- Mutual international recognition of calibration services among the following countries (EAL): e.g. Germany (DAkkS), Great Britain (UKAS), Austria (ÖKD), Switzerland (SCS), Australia (NATA), Belgium (BKO), Denmark (DANAK), Finland (FINAS), France (COFRAC), Italy (PRORE)...
- Official, regular examination of all test and measuring equipment in the DAkkS laboratory by the Physikalisch-Technische Bundesanstalt in Braunschweig (PTB) and Schatz AG
- Regular internal testing of all test and measuring equipment
- Production of all torque tools in accordance with international standards, primarily in accordance with the DIN EN ISO 6789 standards.
- All electronic torque wrenches or test equipment are developed and manufactured in accordance with the applicable CE Guidelines (EMC).
- Our torque screwdrivers and some torque wrench ranges are safe as regards electrostatic (EPA/ESD).

Recalibration of torque tools - why?

The availability of a once-off calibrated torque wrench is simply not enough in order to guarantee its precision over the long term. Accordingly, just like you have your car serviced regularly, in their capacity as precision measuring equipment, torque tools also require regular servicing.

Therefore, examine your torque tools at least every 5000 load cycles on a traceable calibrated test device. Annual inspection suffices where tools are only used sporadically. Where tools are used more intensively or screwed connections are involved which have safety relevance, we recommend maintaining inspections intervals of 3 to 6 months. Calibration should only be performed by authorised specialist personnel, an accredited DAkkS calibration laboratory or by the actual manufacturer.

Depending on requirements, such maintenance can involve DAkkS calibration or factory calibration traceable to national standards.

Tip

Avail of the competent and swift factory calibration service offered by GEDORE for its torque tools or opt for the DAkkS calibration service (all makes). You torque tools will be returned within a few working days. And you can continue to use your tools displaying a new level of precision and certified safety without the risk of long downtimes.

Have you got an "intractable" bolt problem? Talk to your torque experts on the phone or in person.
Information is available from our service hotline. Ask about our competent calibration partners all over the world - and near you.

Service hotline: +49 (0)1804 37 36 68

GEDORE products - traceable to national standards

Traceability is the ultimate cut-off criterion for any calibration. Measuring results must be related to the national standard by means of a continuous chain of comparative measurements. Evidence can be provided in a direct comparison with the national standard or via several calibration steps by means of an indirect comparison with other standards associated with the national standard.

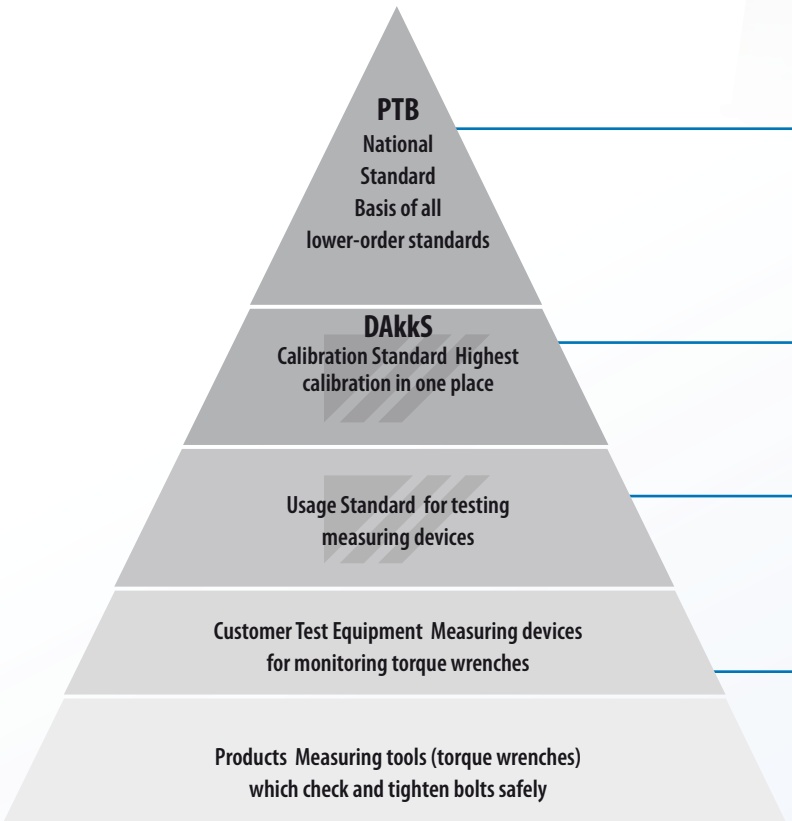
GEDORE torque tools are produced, adjusted, traceably calibrated and certified observing maximum quality demands. They are designed and manufactured in such a way that they comply with or even exceed the requirements of the applicable DIN EN ISO standards, whereby our stringent test and measurement equipment guidelines represent a quality mark of high product quality.

Each new torque wrench, torque screwdriver and test device includes a GEDORE factory test certificate in accordance with the respectively applicable standards. And it goes without saying that our factory test certificates are traceable to national standards. Serial numbers on the product and on the certificate serve towards unambiguous product identification. On request, we can calibrated and certify your torque tools in our own DAkkS calibration laboratory and in accordance with DAkkS guidelines. Your tool is then traceable to national standards.

Tip

Only rely on measurement results achieved using traceable calibrated measuring equipment. Only by association with national standards and therefore the international reference system are test results comparable and quality-based world-wide. Traceable test equipment management has long been specified for certified companies (DIN EN ISO 9000 ff.). The calibration hierarchy is depicted in pyramid form and demonstrates all of the levels of traceability currently in place. The fewer the steps from the test object to the national standard, the more reliable the measurement result. DAkkS calibration - directly traceable - guarantees a very accurate calibration result of the highest level.

Calibration hierarchy: From nuts and bolts to national standards



Torque measurement

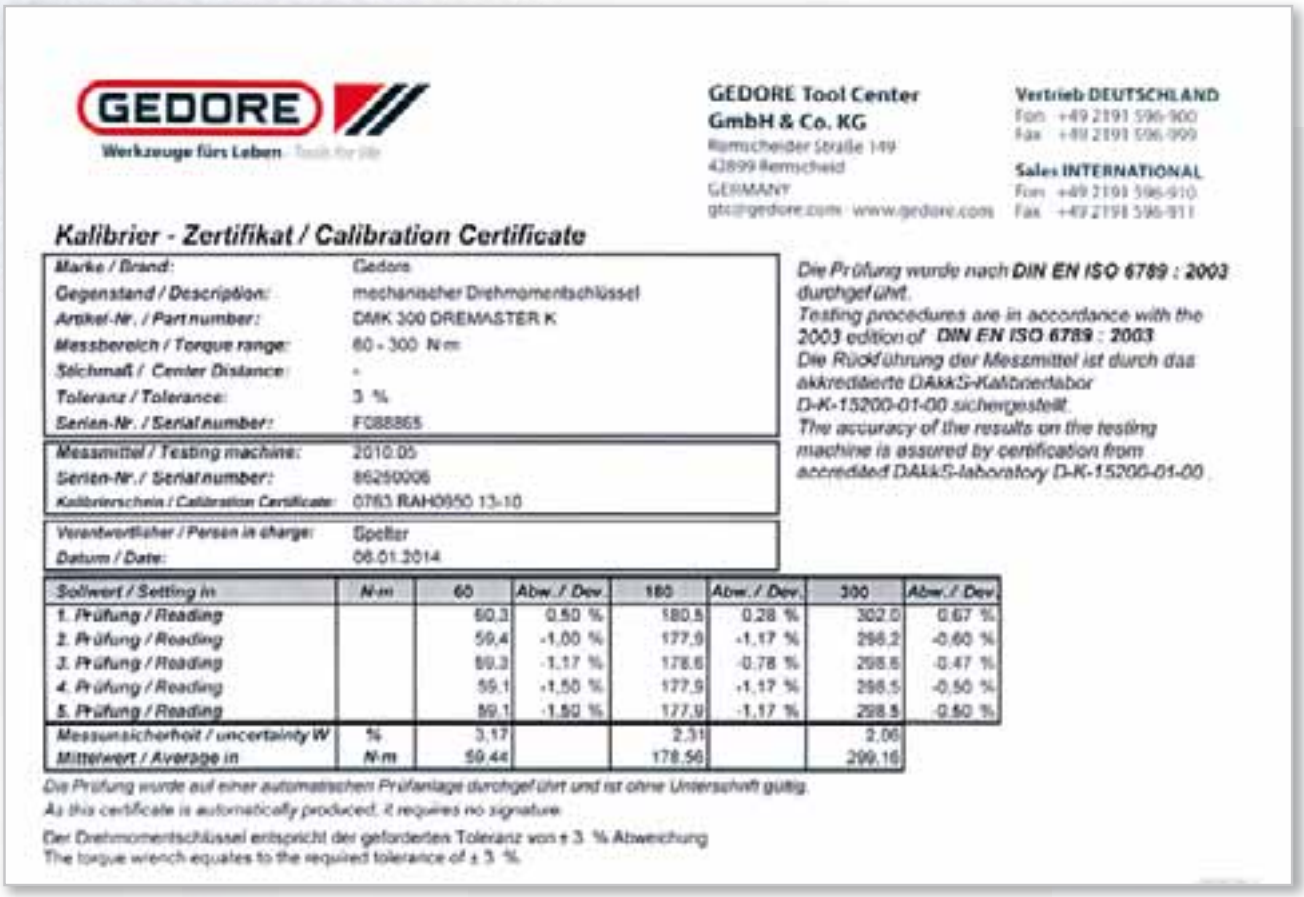
National standard / Primary standard:
Basis for specifying all subsequent standards of the corresponding size, by official decision. Developed and maintained in Germany by PTB, Braunschweig.

DAkkS calibration standard / Reference standard:
A standard representing the highest level of accuracy at a certain place (company, laboratory).

Working standard / Factory standard:
A standard which is calibrated in connection with a reference standard and routinely used to calibrate or examine measuring equipment.

Test equipment
Measuring equipment routinely used for calibrating or examining measuring tools (torque wrenches).

Factory test certificates for adjustable and pre-set torque wrenches



GEDORE
Werkzeuge fürs Leben

GEDORE Tool Center
GmbH & Co. KG
Remscheider Straße 149
42899 Remscheid
GERMANY
gtc@gedore.com · www.gedore.com

Vertrieb DEUTSCHLAND
Fon +49 2191 596-900
Fax +49 2191 596-999

Sales INTERNATIONAL
Fon +49 2191 596-910
Fax +49 2191 596-911

Kalibrier - Zertifikat / Calibration Certificate

Marke / Brand:	Gedore
Gegenstand / Description:	mechanischer Drehmomentschlüssel
Artikel-Nr. / Part number:	DMK 300 DREMASTER K
Messbereich / Torque range:	60 - 300 N·m
Stichmaß / Center Distance:	-
Toleranz / Tolerance:	3 %
Serien-Nr. / Serial number:	FC88865
Messmittel / Testing machine:	2010.05
Serien-Nr. / Serial number:	86250006
Kalibrierschein / Calibration Certificate:	0763 RAH0950 13-10
Verantwortlicher / Person in charge:	Spelter
Datum / Date:	06.01.2014

Die Prüfung wurde nach **DIN EN ISO 6789 : 2003** durchgeführt.
Testing procedures are in accordance with the 2003 edition of **DIN EN ISO 6789 : 2003**
Die Rückführung der Messmittel ist durch das akkreditierte DAkkS-Kalibrierlabor D-K-15200-01-00 sichergestellt.
The accuracy of the results on the testing machine is assured by certification from accredited DAkkS-laboratory D-K-15200-01-00

Sollwert / Setting in	N·m	60	Abw. / Dev.	180	Abw. / Dev.	300	Abw. / Dev.
1. Prüfung / Reading		60,3	0,50 %	180,5	0,28 %	302,0	0,67 %
2. Prüfung / Reading		59,4	-1,00 %	177,9	-1,17 %	298,2	-0,60 %
3. Prüfung / Reading		59,3	-1,17 %	178,6	-0,78 %	298,6	-0,47 %
4. Prüfung / Reading		59,1	-1,50 %	177,9	-1,17 %	298,5	-0,50 %
5. Prüfung / Reading		59,1	-1,50 %	177,9	-1,17 %	298,5	-0,50 %
Messunsicherheit / uncertainty W	%	3,17		2,31		2,06	
Mittelwert / Average in	N·m	59,44		178,56		299,16	

Die Prüfung wurde auf einer automatischen Prüfanlage durchgeführt und ist ohne Unterschrift gültig.
As this certificate is automatically produced, it requires no signature.

Der Drehmomentschlüssel entspricht der geforderten Toleranz von ± 3 % Abweichung
The torque wrench equates to the required tolerance of ± 3 %.

- Factory test certificates for GEDORE torque tools - with scale (Richard Abr. Herder GmbH & Co. KG factory calibration)
- The test is performed at 20, 60 and 100% of the maximum measurement range of the torque tools to be tested. 5 measurements each are made at these 3 test points. The measurement results (actual values) are compared with the requisite values (target values) and examined for tolerance accuracy. If the measurement results are within the tolerance, a test certificate is automatically generated. If the test values are outside the tolerance, the tool is fine-adjusted and the test repeated.
- Factory test certificates for torque tools - without scale (Richard Abr. Herder GmbH & Co. KG factory calibration)
- Supplied pre-set to a fixed torque value in the factory: Adjustment to the torque requested by the customer. The test certificate confirms the recurrent accuracy of this fixed value over 5 measurements.
- Supplied without pre-setting - the customer adjusts the tool to the requisite torque value: The test method is the same as for torque wrenches with scale (see above). Here too, the customer receives a test certificate with 5 measurements each performed on the 3 test points (20, 60 and 100% of the maximum measurement range).

Note

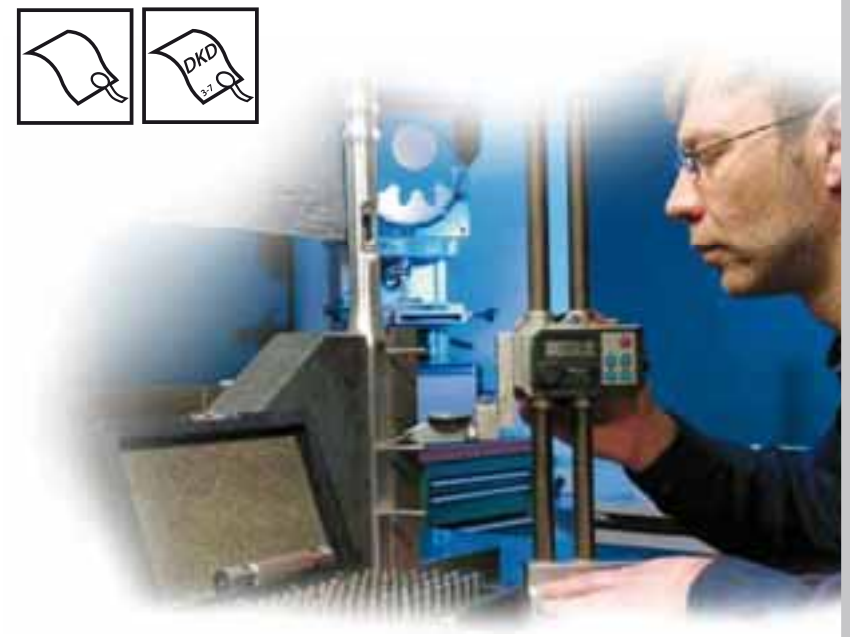
At Richard Abr. Herder GmbH & Co. KG, all GEDORE torque tools are subjected to a 100% quality check. We guarantee the tolerance accuracy of our tools in accordance with the applicable DIN standards.

Note

On request, all of our torque wrenches and test equipment can also be calibrated and certified in line with all DAkkS guidelines in our own test laboratory. Ask us about prices for DAkkS certification.

Differences in the contents of test certificates

The test certificate is a document certifying the accuracy of a torque tool at a certain time. There are differences in terms of form and content between factory test certificates or DAkkS calibration certificates depending on the product.
All test certificates and calibration certificates have the following in common: They include exact details on the product name, product item number, working and/or measurement range, serial number, test equipment used, calibration result and the standard according to which tests were carried out. What's more, evidence of traceability as well as the tester's name and the date must also be indicated. This data ensures unambiguous product identification.
One key difference between factory certificates and DAkkS calibration certificates concerns indication of the calibration result. The factory certificate does not take consideration of any measurement inaccuracies by test equipment at individual hierarchy steps. The calibration result of the DAkkS calibration certificate on the other hand includes both the measuring inaccuracy of the test item and test equipment.



Contents of the DIN EN ISO 6789 standard

The majority of GEDORE torque tools are produced conformant to the requirements of the applicable DIN EN ISO 6789 standard or higher. This standard includes the following key quality and tolerance specifications as well as classifications:

- Torque tools are divided into type classes with the corresponding demands on accuracy (e.g. class A: actuating torque wrench +/- 4% or class D: dial-indicating screwdriver +/- 6%).
- Specification of the tolerance working area of a torque tool (20% to 100% of the respective maximum scale or tightening value).
- Allocation of the square drive as regards nominal size and maximum torque value
- Exact specifications on the test process and test environment (e.g. temperature +18 °C - 28 °C and max. 1% measuring inaccuracy)
- Details governing measuring inaccuracy of test equipment (max. +/- 1% tolerance of the value shown)
- Specifications concerning scale and product marking

Tested quality

Werkskalibriert /2014 R.A. Herder GmbH & Co. KG 5000 x In-house calibrated

Garancija Garantia 品質保証 Garanti Waarborg ضمان GARANTIE אחריות Garancie GARANZIA Takuu Гарантия 保証 GUARANTEE

0078
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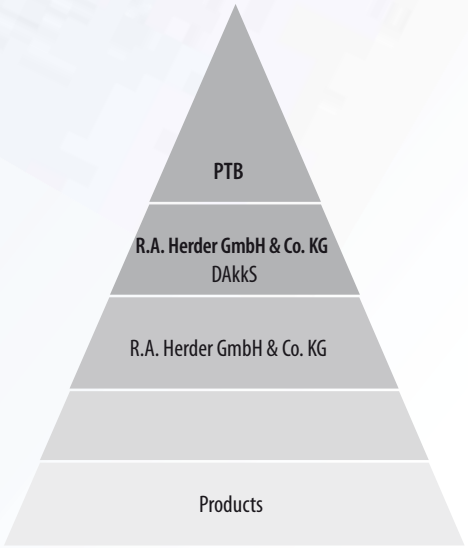
We give you the security you need



Factory calibration - solid reliability!

- Indirect traceability to the national standard
- Factory calibration according to the standard DIN EN ISO 6789:2003
- Factory calibration if necessary with adjustments and repairs - for GEDORE products only
- Factory test certificate and calibration stamp

Factory test certificate according to DIN EN ISO 6789:2003

- It contains information about the test item, measurement results, the test equipment used and the classification of the test item according to DIN EN ISO 6789:2003 (e.g. Type II Class A).
- The calibration is carried out on test equipment, which comply with the DIN EN ISO 6789:2003.
- The calibration result of the factory certificate does not take consideration of any measurement inaccuracies by test equipment at individual hierarchy steps.
- The documented measuring inaccuracies refers only to the test item.

Factory calibration

Note

Calibration always represents a snapshot! Within the framework of calibration, deviations in measurements and measurement inaccuracies are recorded on a certain date and documented accordingly in the calibration certificate. Using these calibration results, a statement can be made as regards tolerance accuracy since the previous calibration. No statement can however be made as regards future performance.

If you have any queries,
simply call our service hotline:

+49 (0) 1804 37 36 68

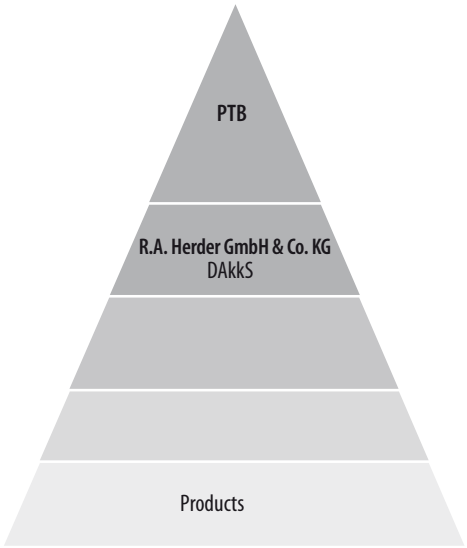
Note

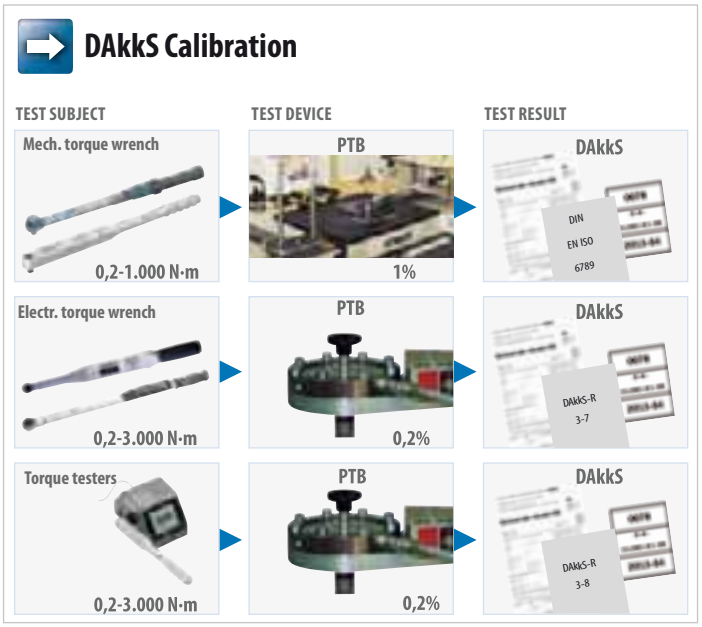
The generation of a factory test certificate in accordance with GEDORE criteria as well as adjustment and repair is exclusively possible for torque wrenches and test equipment manufactured by us.

Factory and DAkkS calibrations involve right calibration. Left calibration also available on request.

Depending on the requirements or customer requests, we calibrate in accordance with DAkkS guidelines or GEDORE criteria

DAkkS calibration - 100 % documented safety





- **Direct traceability to the national standard**
- **DAkkS calibrations to DAkkS Guidelines: DAkkS-DKD-R 3-7:2003; DAkkS-DKD-R 3-8:2003 and DIN EN ISO 6789:2003**
- **Minimum measurement inaccuracies**
- **DAkkS calibration of our own products and those of other manufacturers**
- **Air-conditioned laboratory controls under the most stringent conditions**
- **DAkkS calibration certificate and DAkkS calibration stamp**

Example:
A torque wrench is calibrated in accordance with DIN EN ISO 6789:2003.
Calibration is performed on test equipment approved by DAkkS.
Depending on the design and type, the torque wrench is calibrated at +/- 4% or +/- 6%.
In addition to measurement deviations, measurement inaccuracy is also documented in the DAkkS calibration certificate.
The torque wrench can be used in accordance with the applicable DIN EN ISO standards.

DAkkS calibration equipment
We calibrate your test equipment or torque wrenches on DAkkS-calibrated reference wrenches or test equipment. DAkkS calibrations of test equipment are performed regularly by PTB and/or Schatz. This fact ensures that the maximum possible accuracies and minimum possible measurement inaccuracies are provided. Before each calibration process, a preliminary test is performed in our DAkkS laboratory on each item of calibration equipment and on each reference wrench.

International recognition
The DAkkS calibration certificate and therefore the measurement results listed are recognised in many other countries as official evidence of traceability.
This is based on multilateral treaties.

DAkkS calibration certificate

The DAkkS calibration certificate documents the calibration result - the DAkkS calibration mark on the test item identifies the DAkkS laboratory performing calibration. Please note our registration number: DAkkS-K-28201. During the test process, the Richard Abr. Herder GmbH & Co. KG calibration laboratory is obliged to comply with the contractual criteria of the DAkkS (formerly DKD).
Apart from the standard test certificate contents, the DAkkS calibration certificate also takes consideration of the measurement inaccuracies of the test equipment used. The documented calibration result includes the measuring inaccuracies of both the test item and the test equipment.
DAkkS calibration therefore represents maximum safety for controlled tightening.
We advise using it for larger test items or test equipment subject to continuous use.

Our service - qualified and customised

Our reasonably-priced factory calibration service fulfills the requirements according to DIN EN ISO 6789. Our proprietary accredited DAkkS calibration laboratory creates certificates in accordance with the applicable standards and requirements as per DAkkS 3-7 and DAkkS 3-8 as well as DIN EN ISO 6789:2003.

Our repair service will repair your GEDORE torque wrenches within 5-7 working days.

Please note that the torque wrench is an item of measuring equipment.

We recommend:

Calibration once a year (DIN EN ISO 6789:2003)
or after 5000 load cycles (DIN EN ISO 6789:2003)

Your advantage:

Torque wrench offering measurement accuracy
Free* calibration service at Richard Abraham Herder GmbH & Co. KG
in Solingen

*Only applies for mechanical items supplied by us (RAHSOL/GEDORE)
Full service package / services only apply for Germany. Please enquire in our subsidiaries about the possibilities for your respective country.

Regular calibration, adjustment and certification Why is this so important?

Only then can we guarantee the precision and reliability of our torque tools over the long term. We attach a great deal of importance to this as your safety is something which is close to our heart.
Because we offer you the safety you require for everyday "controlled tightening".

GEDORE - competent control of the highest level

Health is the most important factor when it comes to living a happy life.

To ensure that you use our tools safely, please observe the following information.*

*** Furthermore, the relevant safety guidelines of various institutions apply, e.g. the guidelines of the trade associations, employers' instructions and the statutory specifications of the respective country.**

General

- Always wear safety goggles for tasks involving chips or the possibility of parts splintering.
- Only use the hand tools for their intended purpose.
- Never modify or tamper with tools. Exceptions: Professional regrinding of chisels, scrapers, cutting tools as well as hammer edges.
- Never work with damaged tools. Damaged tools must be replaced immediately.
- Handles must be free of oil and grease.
- Depending on the task, protect your hands by wearing work gloves.
- Work on live circuits may only be performed by qualified personnel using suitable VDE tools.
- Choose a safe surface to ensure stability. Wear safety shoes.
- Wear the specified ear protection when working in noisy environments.

Tool chests

- Do not use the tool chest for climbing.
- Never store pointed or sharp items loosely in the tool chest. Scribers can be made safe by sticking them in a cork, for example.
- Take care of your back by going down on your hunkers and keeping your upper body straight when lifting out the tool box.

Spanners

- Only use spanner sizes and profiles which fit the bolt or nut head.
- Do not use spanners as levers or as striking tools.
- Select the spanner in accordance with the screwed connection. This particularly applies to screwed connections with high torques.
- Never extend the tool lever arm except when the tools are designed especially for this purpose, e.g. single-ended ring spanners.
- Never hit a spanner with a hammer except when the tools have an area designed especially for this purpose, e.g. slogging spanners.
- Always apply the spanner at a right angle to the bolt axis.
- Always pull the spanner towards you. Never push the spanner away from you. If for design reasons you can only press the spanner away from you, use your open hand to prevent injuring your knuckles.
- Ring spanners transmit the forces more consistently. Ring spanners are therefore more suitable for large torques.
- Apply open-ended spanners in such a way that the angle of the jaw is facing in the direction of rotation.
- If a torque is specified for the screwed connection, use a torque wrench.
- Never work with damaged spanners. Do not repair damaged spanners but rather replace them without delay.

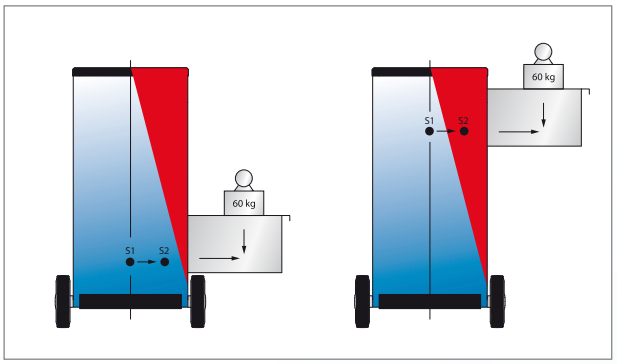
Tool trolley

- Read the operating instructions.
- Only open one drawer at a time. Opening several drawers at a time increases the tilting moment and the tool trolley can overturn.
- Always store the heaviest tools in the bottom (heavy-duty) drawer. Storing heavy tools in the upper drawers relocates the centre of gravity upwards which in turn increases the tilting moment. The tool trolley can overturn.
- Observe the permissible load capacity of individual drawers and the overall load capacity of the tool trolley.
- Only move the tool trolley when the drawers are closed and locked. Watch out for loose items on the shelf or working area.
- Always activate the total brake when "parking" the tool trolley. Only then is the tool trolley secured against unintentional movements.
- Always move the tool trolley facing downwards on slopes.
- Do not use the tool trolley for climbing.
- Never store pointed or sharp items loosely in the tool trolley. Scribers can be made safe by sticking them in a cork, for example.

Why should heavy tools be stored in the bottom?

- Always store the heaviest tools in the bottom (heavy-duty) drawer.
- When the bottom drawer is opened, the centre of gravity is relocated to a safe range.
- Storing heavy tools in the upper drawers relocates the centre of gravity upwards.
- When the drawer is opened, the centre of gravity is relocated to a critical range.
- This makes the tool trolley very susceptible to lateral forces. If the trolley is exposed to lateral forces such as impact, it can overturn.
- Always observe the load capacity for each drawer to ensure that you always stay in the safe range.

S 1 = tool trolley centre of gravity when the drawer is closed
S 2 = tool trolley centre of gravity when the drawer is opened
red = critical range- danger of overturning



Screwdrivers

- Choose the screwdriver which is suitable for the respective bolt head profile.
- Place the workpiece on a ledge or clamp it. This helps to avoid injuries incurred by sliding blades.
- Avoid cuts by directing the requisite pressure for releasing or tightening the bolt head away from your body.
- Wear protective gloves when working with screwdrivers.
- If the screwdriver is too long, do not under any circumstances shorten the blade or handle. Choose a shorter screwdriver.
- Do not use the screwdriver as a caulking or crushing tool.
- Light hammer impact may only be applied for loosening screws using suitable screwdrivers with striking cap or continuous blade.
- If the bolt fails to loosen, use the GEDORE impact driver set no. K 1900-013 to release the bolt without destroying it.
- Insulated and tested screwdrivers must be used when working on electrical systems.

VDE tools

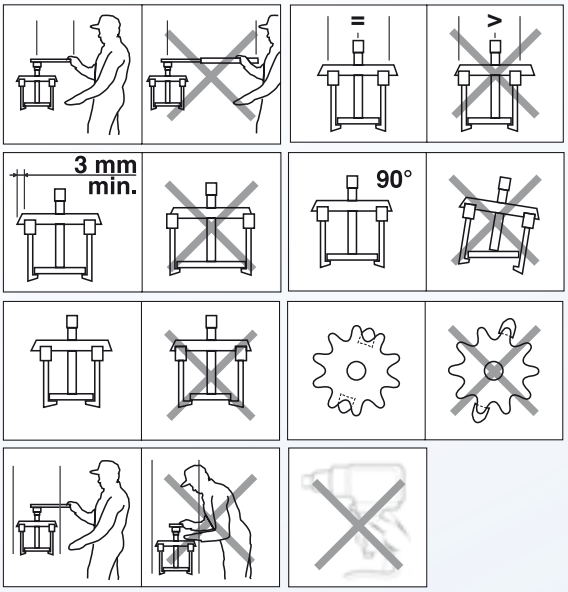
- Work on electrically live equipment may only be carried out by trained electricians.
- Only tools and safety equipment marked with the double triangle or bell 1000 V symbol (refer to BGV A3) may be used.
- Before commencing any work, check the insulation for damage.
- Damaged tools must not be used.
- The regulations of the employers' liability insurance associations and power supply companies must be complied with.
- GEDORE VDE tools are approved for work on live circuits at voltages up to 1000 V AC and 1500 V DC.
- Tools must not be combined unless they are designed to be securely joined together.

Pullers

- Read the operating instructions!
- Use only original spare parts and accessories for your GEDORE puller. Never use worn, modified or defective spare parts or accessories.
- Wear goggles and protective clothing when working. For added safety, use the GEDORE safety cover 5.10!
- Before pulling, ensure that the legs are in contact with the part to be pulled and are firmly tightened so that the spindle operates centrally along the axis of the puller.
- Attention! When using a puller, forces of up to several tons are generated! Take care to ensure that the puller is correctly positioned and is vertical to the component being pulled.
- Do not use electric or pneumatic power or percussion drivers.

Ratchets, tools and sockets

- Ratchets are suitable for swift releasing and tightening.
- Avoid jerky movements with the ratchet, e.g. caused by hammer impact.
- The square drive and the tool and socket square drive must be of the same size.
- Select the drive size in accordance with the screwed connection. This particularly applies to screwed connections with high torques.
- Ensure that the ball engages properly in the ball catch.
- Always pull the tool towards you. Never push the tool away from you. If for design reasons you can only press the tool away from you, use your open hand to prevent injuring your knuckles.
- Only use suitable sockets and connections for the impact driver. Use a safety pin and ring to secure the connection between the socket, extension and machine.
- When using reducers, the smaller drive's torque always applies.
- Do not use ratchets as levers or as striking tools.



Pipe bending systems

- Read the operating instructions.
- Never use defective or worn pipe bending systems. Replace defective or worn parts with original parts.
- Use suitable systems and tools for bending.
- Wear safety goggles, safety shoes and protective clothing.
- Ensure stability of the pipe bending system during the bending process.

Safety notes for striking tools

Chisels

- Wear safety glasses and safety gloves!
- Before starting work, check that the chisel blade is sharp and the striking end is burr-free! The blades must be properly wet-sharpened!
- Select the appropriate type and size of chisel for the work to be carried out!
- Hold the chisel with a firm grip!
- When working, keep your eyes on the chisel tip!
- Wherever possible, use a chisel with hand guard.
- Never use chisels on workpieces harder than 40 HRC!
- Set safety guards in place to prevent splinters and chips posing a hazard for other people!

Centre punches, drifts and mortise chisels

- These tools are subject to the same safety rules as chisels.

Torque tools

- Read the operating instructions.
- Only use correctly calibrated torque wrenches.
- Treat torque wrenches as measuring equipment. Store torque wrenches carefully.
- Only use torque wrenches within the permissible torque range.
- Stop tightening the bolt immediately once you feel and hear the "click" signal.
- Apply the torque wrench at a right angle to the screwed connection.
- Only use original end fittings or accessories which fit the respective torque wrench.
- Where possible, do not use any reducers.
- Never loosen bolts using a torque wrench.
- Never use the torque wrench as a hammer.
- Slacken the torque wrench after completing work.
- Never use defective or worn accessory parts. Replace defective or worn parts with original parts.
- Only use one hand on the handle of the torque wrench; two-handed operation is only possible using DREMOMETER A - F.

Cutting tools

- Always set cutting tools down on a clearly visible place. Handles should always point towards you.
- Sharpen your cutting tools regularly. Blunt cutting tools represent a greater risk of injury than sharp ones. Blunt cutting tools require more force to be applied.
- Store cutting tools separately. This protects the blades and your fingers.
- Set shears down with their tips closed. This protects the blades and your fingers.

Torque Multipliers

- Read the operating instructions!
- Wear safety goggles, safety shoes and protective clothing!
- Always inspect the torque multiplier for damage before use!
- Never use electric, pneumatic or battery-operated torque multipliers or impact wrenches!
- Never exceed the specified maximum input torque!
- Always use impact sockets in accordance with DIN 3129 or ISO 2725-2 and ISO 1174!
- Always securely connect the reaction arm to the support bolt!
- Never extend the impact socket or connector between bolt and torque multiplier!
- Never use a universal or cardan joint!
- Never hit the torque multiplier with a hammer!
- Do not drop the torque multiplier!
- Never use the torque multiplier if it has been dropped, used to strike other objects, or if anything has fallen on it.
- Always keep hands and fingers away from the reaction arm!
- Always select an anchor point (wall, another bolt) sufficient to withstand torque reaction forces! Reaction torque equals output torque.
- Never allow the gearbox to touch a wall or other object!
- Never modify the reaction arm without consulting with the manufacturer!

Safety notes for hammers

- Wear safety glasses and safety gloves!
- Use the hammer only for its intended purpose!
- Never misuse the hammer as a lever!
- Before starting work, check that the hammer head is securely attached to the shaft!
- Select the appropriate type and size of hammer for the work to be carried out!
- Never hit two hammers together!
- Never use steel hammers on workpieces harder than 46 HRC! Use suitable plastic-faced hammers for this! In case of doubt, the healthier choice is a suitable plastic-faced hammer.
- Avoid bouncing blows!
- Use only the work faces of the hammer! Blows with the side face damage the non-hardened hammer eye. This can loosen the grip of the shaft in the hammer head.
- If a burr forms on the pein or face of the hammer head, this must be immediately removed. Failure to do this can pose the risk of splintering when the hammer is in use.
- Grip the hammer shaft as far away from the hammer head as possible! This improves the impact effect and avoids vibrations.
- Do not store hammers with wooden shafts in warm, dry environments! Wood is a natural product. Dry, warm storage conditions cause the shaft to lose moisture and shrink, so that the hammer shaft is no longer a tight fit in the hammer head. Opposite storage conditions also have a negative effect on the wooden shaft. Do not store the wooden shaft in too damp conditions! Too much moisture causes the wooden shaft to swell up and damages the wooden fibres. This can result in the wooden shaft snapping behind the eye area.
- Use only approved non-sparking hammers for work in explosion-hazard areas!
- Use only suitable GEDORE replacement shafts and wedges.

Safety goggles

- Read the operating instructions.
- Ensure that your safety goggles are suitable for the respective task to be performed.
- Examine your safety goggles for damage before use. Damaged safety goggles must be replaced.
- Store safety goggles in dry areas. Use the black plastic bag provided for this purpose. This will help you to avoid scratches on the lenses.
- Clean the lenses regularly under running water, not when dry.
- Do not wear safety goggles on top of standard spectacles. Mechanical effects can be transferred which may be dangerous.

Ear protection

- Read the operating instructions.
- Ensure that your ear protection is suitable for the respective task to be performed.
- Examine your ear protection for damage before use. Ear protection displaying damage must be replaced.
- Wear ear protection for the entire duration of your stay in noisy areas.
- Store your ear protection in a clean and dry place.
- Avoid impact against the earpieces. Otherwise, this can lead to a noise level which is harmful for your ears.

Safety notes

- For engines with ignition coils integrated in the spark-plug connector (coil-on-plug), use only spark-plug sockets with retainer springs! (Nos. 50 - 59)
- Do not use magnetic spark-plug spanners on coil-on-plug spark plugs!
- This can result in control unit faults!

Pliers

- Wear protective goggles when working with pliers! Ejected bits of wire and circlips not correctly positioned in the tip of the pliers pose a risk to your eyes!
- Check on the jaws for wear and tear! Worn jaws result in slipping and thus in accidents.
- The joint of the pliers is not to have any noticeable play! Exceptions are the sliding joints.
- When cutting wire, choose pliers that match the wire diameter and wire hardness!
- Never use pliers as hammers!
- Only insulated and tested pliers are to be used when working on electrical equipment!
- Grip wrenches are only for briefly fixing workpieces!

Work gloves

- Read the operating instructions.
- Ensure that your work gloves are suitable for the respective task to be performed. Examine your work gloves for damage before use. Damaged work gloves must be replaced.
- Only work using work gloves which fit your hands perfectly.
- Store your work gloves in a clean and dry place.

Tightening / Test torque

Suggested bolt tightening torque in N·m (Newton metres)

These torque levels are guideline values for metric standard threads in accordance with DIN ISO 261 and head sizes in accordance with DIN EN ISO 4762, DIN EN ISO 4032, DIN EN ISO 4014, and DIN 931-2, 6912, 7984 und 7990. These produce a 90 % utilisation of the bolt yield strength. The calculations are based on a friction coefficient of 0.14 (new bolt) without any after treatment, non-lubricated). Please note: in extreme cases, e.g. for bolts lubricated with MOS2 compound and with cadmium-plated connecting elements on both sides, the tightening torque should be reduced by around 20 %.

M	Tightening values for quality grade as per DIN 267					
	4.6	5.6	6.9	8.8	10.9	12.9
M 2	0,123	0,162	0,314	0,373	0,520	0,628
M 2,2	0,196	0,265	0,510	0,598	0,843	1,010
M 2,5	0,284	0,373	0,726	0,863	1,206	1,451
M 3	0,441	0,588	1,128	1,344	1,883	2,256
M 3,5	0,677	0,902	1,736	2,060	2,893	3,481
M 4	1,000	1,344	2,599	3,040	4,315	5,148
M 5	1,916	2,648	5,099	6,031	8,483	10,200
M 6	3,432	4,511	8,728	10,300	14,710	17,652
M 7	5,590	7,453	14,220	17,162	24,517	28,439
M 8	8,238	10,787	21,575	25,497	35,304	42,168
M 10	16,67	21,575	42,168	50,014	70,608	85,317
M 12	28,44	38,246	73,550	87,279	122,60	147,10
M 14	45,11	60,801	116,70	138,30	194,20	235,40
M 16	69,63	93,163	178,5	210,80	299,10	357,90
M 18	95,12	127,50	245,20	289,3	411,90	490,30
M 20	135,3	180,45	384,10	411,90	578,60	696,30
M 22	182,4	245,16	470,70	559,00	784,50	941,40
M 24	230,5	308,91	598,20	711,00	1000	1196
M 27	343,2	460,90	887,50	1049	1481	1775
M 30	465,8	622,72	1206	1422	2010	2403
M 33	632,5	848,30	1628	1932	2716	3266
M 36	814,0	1089	2099	2481	3491	4197
M 39	1059	1412	2716	3226	4531	5443
M 42	1304	1746	3364	3991	5609	6727
M 45	1638	2177	4207	4992	7012	8414
M 48	1981	2638	5080	6021	8473	10150
M 52	2540	3393	6541	7747	10885	13092
M 56	3168	4227	8149	9650	13582	16279
M 60	3932	5247	10101	11964	16867	20202
M 64	4737	6306	12160	14416	20300	24320

Wrench/spanner test torques in accordance with DIN ISO 1711-1 (minimum guaranteed values) N·m

mm	No. 2, 2A, 2B No. 1B, 308, 7	No. 4	No. 6, No. 1B, 7, 400	No. 25	No. 26 R No. 626	No. 35 A No. 35 B No. 3112	No. 894 No. 895
4			1,90				
4,5*			2,64				
5	11,5		3,55				
5,5	14,4		4,64		14,4		2,32
6*	17,6	7,4	5,92		17,6		2,96
7	25,2	11,4	9,12		25,2		4,56
8 9*	34,5 45,4	16,6 23	13,3 18,4		34,5 45,4	34,5 45,4	6,65 9,20
10	58,1	31	24,8	58,1	58,1	58,1	12,4
11 12*	72,7 89,1	40,4 51,5	32,3 41,2	72,7 89,1	72,7 89,1	72,7 89,1	16,1 20,6
13 14*	107 128	64,5 79,4	51,6 63,5	107 128	107 128	107 128	25,8 31,7
15 16 17*	150 175 201	96,2 115 134	77,0 92,3 107	150 175 201	150 175 201	150 175 201	38,5 46,1 53,5
18 19* 20*	230 261 294	160 186 215	128 149 172	230 261 294	230 261 294	230 261 294	64,0 74,5 86,0
21 22* 23*	330 368 408	247 281 319	198 225 255	330 368 408	330 368 408	330 368 408	99,0 112 127
24 25* 26*	451 496 544	359 402 449	287 322 359	451 496 544	451 496 544	451 496 544	143 161 179
27 28*	594 647	499 552	399 442	594 647	594 647	594 647	199 221
30	760	670	536	760	760	760	268
32* 34	884 1019	804 951	643 761	884 1019	884 1019	884 1019	321 381
36	1165	1117	894	1165	1165	1165	447
41	1579	1442	1154	1579	1579	1579	577
46	2067	1816	1453	2067	2067	2067	726
50	2512	2145	1716	2512	2512	2512	858
55	3140		2077	3140	3140	3140	1038
60	3849		2471	3849		3849	1235
65	4021		2900	4021		4021	1422
70	4658		3364	4658		4658	1618
75	5394		3862			5394	1765
80	6178		4394			6178	1912
85	6963					6963	2059
90	7845					7845	-
95	8336					8336	-

* These sizes are not included in DIN ISO 272

Note:
In reference to the "spanner test torque as per DIN ISO 1711-1" column, we explicitly point out that these are minimum guarantee values.
Bolts from M39 in quality grades 4.6, 5.6, 6.9, 8.8, 10.9 and 12.9 are not standardised.

Tightening / Test torque

Wrench/spanner test torques in accordance with DIN ISO 1711-1 (minimum guaranteed values) N·m							Test torques for tightening tools for hexagon socket head screws							
		With internal square as per DIN 3120					DIN EN ISO 4762	No. 42T, DT42 No. 42, 42EL	No. IN 34	With hexagon head as per DIN 7422				
		6,3	10	12,5	20	25				6,3	10	12,5	20	25
		No. 20 No. D 20	No. 30 No. D 30	No. 19 No. D 19	No. 32 No. D 32	No. D 21				No. IN 20	No. IN30	No. IN 19	No. IN 32	No. IN 21
M	mm						mm							
		1/4"	3/8"	1/2"	3/4"	1"				1/4"	3/8"	1/2"	3/4"	1"
M 2	4	10,4					1,5	0,82						
M 2,2	4,5*	12,6					2	1,9		1,9				
M 2,5	5	15,1												
M 3	5,5	17,8					2,5	3,8		3,8				
M 3,5	6*	20,6	23,2											
M 4	7	26,8	33,2				3	6,6	6,6	6,6				
M 5	8 9*	33,6 41,1	45,5 59,9	94,1 119,2			4	16	16	16	16	16		
M 6	10	49,1	76,7	147			5	30	30	30	30	30		
M 7	11 12*	57,8 67,0	96 118	178 212										
M 8	13 14*	68,6 68,6	141 169	249 288			6 7	52 80	52	52	52 78	52 78		
M 10	15 16 17*		198 225 225	331 377 425			8 9	120 165	120	120	120	120 165		
M 12	18 19* 20*		225 225 225	477 531 569			10 12	220 370	220 370		220	220 370		
M 14	21 22* 23*		225 225	569 569 569	569 569									
M 16	24 25* 26*			569 569 569	569 583 624		14	590	590			590	590	
M 18	27 28*			569 569	665 707									
M 20	30			569	795		17	980	980			1000	1000	1000
M 22	32* 34			569 569	888 984									
M 24	36				1084	1677	19	1360	1360			1400	1400	1400
M 27	41				1353	1910								
M 30	46				1569	2143	22	2110					2100	2100
M 33	50				1569	2329	24	2750						2700
M 36	55				1569	2562	27	3910						
M 39	60				1569	2795	30	4000						
M 42	65					2795	32	4000						
M 45	70					2795								
M 48	75					2795	36	4000						
M 52	80					2795								
M 56	85													
M 60	90													
M 64	95													

The matching test torques are derived from the theoretical load capability of the connecting square drive.

Note:
Hand tightening sockets are unsuited to use with impact drivers. Inappropriate use poses an accident risk. Power driver sockets can be found on page 230.

Head widths and thread diameters

Nominal size DIN ISO 272 normal *(large)* mm	Thread diameter		Nominal size	Nominal size		Thread diameter		Nominal size	
	Metric as per DIN ISO 272	Metric for high-tensile bolted structural joints as per EN 14399-4	"AF	Inch	mm	Whitw.	BS 916, 1083	Inch	mm
3,2 *(–)* 4 *(–)*	1,6 2								
5 *(–)* 5,5 *(–)*	2,5 3		5/32 3/16	0,1562 0,1875	3,97 4,76	8 BA 7 BA 6 BA		0,152 0,172 0,193	3,86 4,37 4,90
7 *(–)* 8 *(–)*	4 5		7/32 1/4	0,2187 0,2500	5,56 6,35	5 BA 4 BA 1/16 W		0,220 0,248 0,256	5,59 6,30 6,90
10 *(–)* 11 *(–)*	6 7		9/32 5/16	0,2812 0,3125	7,14 7,94	3 BA 3/32 W 2 BA		0,282 0,297 0,324	7,16 7,54 8,23
13 *(–)* 16 *(–)*	8 10		11/32 3/8 13/32	0,3438 0,3750 0,4062	8,73 9,52 10,32	1/8 W 1 BA 0 BA	(3/16) (7/32)	0,340 0,365 0,413	8,64 9,27 10,49
18 *(21)* 21 *(24)* 22	12 14	 12	7/16 1/2	0,4375 0,5000	11,11 12,70	3/16 W 1/4 W	1/4 5/16	0,445 0,525	11,30 13,34
24 *(27)* 27 *(30)*	16 18	16	9/16 19/32 5/8	0,5625 0,5938 0,6250	14,29 15,08 15,88	5/16 W	3/8	0,600	15,24
30 *(34)* 32 34 *(36)*	20 22	 20 	11/16 3/4	0,6875 0,7500	17,46 19,05	3/8 W	7/16	0,710	18,03
36 *(41)* 41 *(46)*	24 27	22 24	25/32 13/16 7/8	0,7812 0,8125 0,8750	19,84 20,64 22,22	7/16 W	1/2	0,820	20,83
46 *(50)* 50 *(55)*	30 33	27 30	 15/16 1.	 0,9375 1,0000	 23,81 25,40	1/2 W	9/16	0,920	23,37
55 *(60)* 60 *(65)*	36 39	 36	 1.1/16	 1,0625	 26,99	9/16 W 5/8 W	5/8 (11/16)	1,010 1,100	25,65 27,94
65 70	42 45		1.1/8 1.3/16 1.1/4	1,1250 1,1875 1,2500	28,58 30,16 31,75	11/16 W	3/4	1,200	30,48
75 80	48 52		1.5/16 1.3/8 1.7/16	1,3125 1,3750 1,4375	33,34 34,92 36,51	3/4 W 13/16 W	7/8 (15/16)	1,300 1,390	33,02 35,31
85 90	56 60		1.1/2 1.5/8 1.11/16	1,5000 1,6250 1,6875	38,10 41,28 42,86	7/8 W 1. W	1. 1.1/8	1,480 1,670	37,59 42,42
95 100	64 68		1.3/4 1.13/16 1.7/8	1,7500 1,8125 1,8750	44,45 46,04 47,62	 1.1/8 W	 1.1/4	 1,860	 47,24
105 110	72 76		2. 2.1/16 2.3/16	2,0000 2,0625 2,1875	50,80 52,39 55,56	 1.1/4 W	 1.3/8	 2,050	 52,07
115 120	80 85		2.1/4 2.3/8 2.7/16	2,2500 2,3750 2,4375	57,15 60,32 61,91	1.3/8 W 1.1/2 W	1.1/2 1.5/8	2,220 2,410	56,39 61,21
130	90		2.9/16 2.5/8 2.3/4	2,5625 2,3750 2,7500	65,09 66,68 69,85	1.5/8 W 1.3/4 W	1.3/4 2.	2,580 2,760	65,53 70,10
135	95		2.13/16 2.15/16 3	2,8125 2,9375 3,0000	71,44 74,61 76,20	 (1.7/8 W)	 	 	 76,70
145	100		3.1/8 3.3/8 3.1/2	3,1250 3,3750 3,5000	79,38 85,72 88,90		2.1/4 2.1/2	3,150 3,550	80,01 90,17
150	105		3.3/4 3.7/8	3,7500 3,8750	95,25 98,42		2.3/4	3,890	98,81
155	110		4.1/8 4.1/4 4.1/2	4,1250 4,2500 4,5000	104,78 107,95 114,30		3. 3.1/4	4,180 4,530	106,17 115,06
165	115		4.5/8 4.7/8 5.	4,6250 4,8750 5,0000	117,48 123,82 127,00		3.1/2	4,850	123,19
170	120		5.1/4 5.3/8 5.5/8	5,2500 5,3750 5,6250	133,35 136,52 142,88		3.3/4 4.	5,180 5,550	131,57 140,97
180	125		5.3/4 6. 6.1/8	5,7500 6,0000 6,1250	146,05 152,40 155,58		 4.1/2	 6,380	 162,05
185	130								
200	140								
210	150								

Spanner sizes tolerance for bolts and socket wrenches

mm

Nominal size /s in mm	Tolerance class 1 as per ISO 691 dimensions		Tolerance class 2[a] as per ISO 691 dimensions	
	min.	max.	min.	max.
2 ≤s < 3	+ 0,02	+ 0,08	+ 0,02	+ 0,12
3 ≤s < 4	+ 0,02	+ 0,10	+ 0,02	+ 0,14
4 ≤s < 6	+ 0,02	+ 0,12	+ 0,02	+ 0,16
6 ≤s < 10	+ 0,03	+ 0,15	+ 0,03	+ 0,19
10 ≤s < 12	+ 0,04	+ 0,19	+ 0,04	+ 0,24
12 ≤s < 14	+ 0,04	+ 0,24	+ 0,04	+ 0,30
14 ≤s < 17	+ 0,05	+ 0,27	+ 0,05	+ 0,35
17 ≤s < 19	+ 0,05	+ 0,30	+ 0,05	+ 0,40
19 ≤s < 26	+ 0,06	+ 0,36	+ 0,06	+ 0,46
26 ≤s < 33	+ 0,08	+ 0,48	+ 0,08	+ 0,58
33 ≤s < 55	+ 0,10	+ 0,60	+ 0,10	+ 0,70
55 ≤s < 75	+ 0,12	+ 0,72	+ 0,12	+ 0,92
75 ≤s < 105	+ 0,15	+ 0,85	+ 0,15	+ 1,15
105 ≤s < 150	+ 0,20	+ 1,00	+ 0,20	+ 1,40
150 ≤s < 210	+ 0,25	+ 1,25	-	-

This tolerance class applies only to ring spanners or socket wrenches that have not been manufactured by material removal.

Spanner sizes in accordance with this international standard must be marked with:
a) Spanner head size
b) Reference to the international standard, i.e. ISO 691
c) Nominal size s in millimetres
d) Tolerance class 1 or 2

Conversion tables

Inch to decimal-inches and mm

in.	dec.in.	mm
0	**0**	**0**
1/64	0.015625	0,3969
1/32	0.03125	0,7938
3/64	0.046875	1,1906
1/16	**0.0625**	**1,5875**
5/64	0.078125	1,9844
3/32	0.09375	2,3812
7/64	0.109375	2,7781
1/8	**0.125**	**3,1750**
9/64	0.140625	3,5719
5/32	0.15625	3,9688
11/64	0.171875	4,3656
3/16	**0.1875**	**4,7625**
13/64	0.203125	5,1594
7/32	0.21875	5,5562
15/64	0.234375	5,9531
1/4	**0.25**	**6,3500**
17/64	0.265625	6,7469
9/32	0.28125	7,1438
19/62	0.296875	7,5406
5/16	**0.3125**	**7,9375**
21/64	0.328125	8,3344
11/32	0.34375	8,7312
23/64	0.359375	9,1281
3/8	**0.375**	**9,5250**
25/64	0.390625	9,9219
13/32	0.40625	10,3188
27/64	0.421875	10,7156
7/16	**0.4375**	**11,1125**
29/64	0.453125	11,5094
15/32	0.46875	11,9062
31/64	0.484375	12,3031

in.	dec.in.	mm
1/2	**0.5**	**12,7000**
33/64	0.515625	13,0969
17/32	0.53125	13,4938
35/64	0.546875	13,8906
9/16	**0.5625**	**14,2875**
37/64	0.578125	14,6844
19/32	0.59375	15,0812
39/64	0.609375	15,4781
5/8	**0.625**	**15,8750**
41/64	0.640625	16,2719
21/32	0.65625	16,6688
43/64	0.671875	17,0656
11/16	**0.6875**	**17,4625**
45/64	0.703125	17,8594
23/32	0.71875	18,2562
47/64	0.734375	18,6531
3/4	**0,75**	**19,0500**
49/64	0,765625	19,4469
25/32	0,78125	19,8438
51/64	0,796875	20,2406
13/16	**0,8125**	**20,6375**
53/64	0,828125	21,0344
27/32	0,84375	21,4312
55/64	0,859375	21,8281
7/8	**0,875**	**22,2250**
57/64	0,890625	22,6219
29/32	0,90625	23,0188
59/64	0,921875	23,4156
15/16	**0,9375**	**23,8125**
61/64	0,953125	24,2094
31/32	0,96875	24,6062
63/64	0,984375	25,0031
1	1	25,4000

Torque conversion tables

Torque conversion factors

Units to be	Corresponding unit								
	= mN·m	= cN·m	= N·m	= ozf·in	= lbf·in	= lbf·ft	= gf·cm	= f·cm (kp·cm)	= kgf·m (kp·m)
1 mN·m	1	0,1	0,001	0,142	0,009	0,0007	10,2	0,01	0,0001
1 cN·m	10	1	0,01	1,416	0,088	0,007	102	0,102	0,001
1 N·m	1000	100	1	141,6	8,851	0,738	10197	10,2	0,102
1 ozf·in	7,062	0,706	0,007	1	0,0625	0,005	72	0,072	0,0007
1 lbf·in	113	11,3	0,113	16	1	0,083	1152,1	1,152	0,0115
→ 1 lbf·ft	1356	135,6	1,356	192	12	1	13826	13,83	0,138
1 gf·cm	0,098	0,01	0,0001	0,014	0,0009	0,00007	1	0,001	0,00001
1 kgf·cm (kp·cm)	98,07	9,807	0,098	13,89	0,868	0,072	1000	1	0,01
1 kgf·m (kp·m)	9807	980,7	9,807	1389	86,8	7,233	100000	100	1

Application:

Conversion formula:
Units to be converted x factor = corresponding unit

Example:
Convert of 5 lbf·ft in cN·m

Solution:
5 x 135.6 = 678 cN·m

Conversion from N·m in kgf·m (kp·m) — 1N·m = 0,102 kgf·m

N·m	0	1	2	3	4	5	6	7	8	9
0	0,00	0,10	0,20	0,31	0,41	0,51	0,61	0,71	0,82	0,92
10	1,02	1,12	1,22	1,33	1,43	1,53	1,63	1,73	1,84	1,94
20	2,04	2,14	2,24	2,35	2,45	2,55	2,65	2,75	2,86	2,96
30	3,06	3,16	3,26	3,37	3,47	3,57	3,67	3,77	3,87	3,98
40	4,08	4,18	4,28	4,38	4,49	4,59	4,69	4,79	4,89	5,00
50	5,10	5,20	5,30	5,40	5,51	5,61	5,71	5,81	5,91	6,02
60	6,12	6,22	6,32	6,42	6,53	6,63	6,73	6,83	6,93	7,04
70	7,14	7,24	7,34	7,44	7,55	7,65	7,75	7,85	7,95	8,06
80	8,16	8,26	8,36	8,46	8,57	8,67	8,77	8,87	8,97	9,08
90	9,18	9,28	9,38	9,48	9,59	9,69	9,79	9,89	9,99	10,10
100	10,20	10,30	10,40	10,50	10,60	10,71	10,81	10,91	11,01	11,11

Conversion from kgf·m (kp·m) in N·m — 1 kgf·m (kp·m) = 9,807 N·m

kgf·m(kp·m)	0	1	2	3	4	5	6	7	8	9
0	0,00	9,81	19,61	29,42	39,23	49,03	58,84	68,65	78,45	88,26
10	98,07	107,87	117,68	127,49	137,29	147,10	156,91	166,71	176,52	186,33
20	196,13	205,94	215,75	225,55	235,36	245,17	254,97	264,78	274,59	284,39
30	294,20	304,01	313,81	323,62	333,43	343,23	353,04	362,85	372,65	382,46
40	392,27	402,07	411,88	421,69	431,49	441,30	451,11	460,91	470,72	480,53
50	490,33	500,14	509,95	519,75	529,56	539,37	549,17	558,98	568,79	578,59
60	588,40	598,21	608,01	617,82	627,63	637,43	647,24	657,05	666,85	676,66
70	686,47	696,27	706,08	715,89	725,69	735,50	745,31	755,11	764,92	774,73
80	784,53	794,34	804,15	813,95	823,76	833,57	843,37	853,18	862,99	872,79
90	882,60	892,41	902,21	912,02	921,83	931,63	941,44	951,25	961,05	970,86
100	980,67	990,47	1000,28	1010,08	1019,89	1029,70	1039,50	1049,31	1059,12	1068,92

Conversion from N·m in lbf·ft — 1N·m=0,7376 lbf·ft

N·m	0	1	2	3	4	5	6	7	8	9
0	0,00	0,74	1,48	2,21	2,95	3,69	4,43	5,16	5,90	6,64
10	7,38	8,11	8,85	9,59	10,33	11,06	11,80	12,54	13,28	14,01
20	14,75	15,49	16,23	16,96	17,70	18,44	19,18	19,91	20,65	21,39
30	22,13	22,86	23,60	24,34	25,08	25,81	26,55	27,29	28,03	28,76
40	29,50	30,24	30,98	31,72	32,45	33,19	33,93	34,67	35,40	36,14
50	36,88	37,62	38,35	39,09	39,83	40,57	41,30	42,04	42,87	43,52
60	44,25	44,99	45,73	46,47	47,20	47,94	48,68	49,42	50,15	50,89
70	51,63	52,37	53,10	53,84	54,58	55,32	56,05	56,79	57,53	58,27
80	59,00	59,74	60,48	61,22	61,96	62,69	63,43	64,17	64,91	65,64
90	66,38	67,12	67,86	68,59	69,33	70,07	70,81	71,54	72,28	73,02
100	73,76	74,49	75,23	75,97	76,71	77,44	78,18	78,92	79,66	80,39

Conversion from lbf·ft in N·m — 1 lbf·ft = 1,356 N·m

lbf·ft	0	1	2	3	4	5	6	7	8	9
0	0,00	1,36	2,71	4,07	5,42	6,78	8,13	9,49	10,85	12,20
10	13,56	14,91	16,27	17,63	18,98	20,34	21,69	23,05	24,40	25,76
20	27,12	28,47	29,83	31,18	32,54	33,90	35,25	36,61	37,96	39,32
30	40,67	42,03	43,39	44,74	46,10	47,45	48,81	50,16	51,52	52,88
40	54,23	55,59	56,94	58,30	59,66	61,01	62,37	63,72	65,08	66,43
50	67,79	69,15	70,50	71,86	73,21	74,57	75,93	77,28	78,64	79,99
60	81,35	82,70	84,06	85,42	86,77	88,13	89,48	90,84	92,20	93,55
70	94,91	96,26	97,62	98,97	100,33	101,69	103,04	104,40	105,75	107,11
80	108,46	109,82	111.18	112,53	113,89	115,24	116,60	117,96	119,31	120,67
90	122,02	123,38	124,73	126,09	127,45	128,80	130,16	131,51	132,87	134,23
100	135,58	136,94	138,29	139,65	141,00	142,36	143,72	145,07	146,43	147,78

Conversion from N·m in lbf·in — 1 N·m = 8,851 lbf·in

N·m	0	1	2	3	4	5	6	7	8	9
0	0,00	8,85	17,70	26,55	35,40	44,25	53,10	61,96	70,81	79,66
10	88,51	97,36	106,21	115,06	123,91	132,76	141,61	150,46	159,31	168,16
20	177,02	185,87	194,72	203,57	212,42	221,27	230,12	238,97	247,82	256,67
30	265,52	274,37	283,22	292,08	300,93	309,78	318,63	327,48	336,33	345,18
40	354,03	362,88	371,73	380,58	389,43	398,28	407,14	415,99	424,84	433,69
50	442,54	451,39	460,24	469,09	477,94	486,79	495,64	504,49	513,34	522,20
60	531,05	539,90	548,75	557,60	566.45	575,30	584,15	593,00	601,85	610,70
70	619,55	628,40	637,26	646,11	654,96	663,81	672,66	681,51	690,36	699,21
80	708,06	716,91	725,76	734,61	743,46	752,32	761,17	770,02	778,87	787,72
90	796,57	805,42	814,27	823,12	831,97	840,82	849,67	858,52	867,38	876,23
100	885,08	893,93	902,78	911,63	920,48	929,33	938,18	947,03	955,88	964,73

Conversion from lbf·in in N·m — 1 lbf·in = 0,113 N·m

lbf·in	0	1	2	3	4	5	6	7	8	9
0	0,00	0,11	0,23	0,34	0,45	0,56	0,68	0,79	0,90	1,02
10	1,13	1,24	1,36	1,47	1,58	1,69	1,81	1,92	2,03	2,15
20	2,26	2,37	2,49	2,60	2,71	2,82	2,94	3,05	3,16	3,28
30	3,39	3,50	3,62	3,73	3,84	3,95	4,07	4,18	4,29	4,41
40	4,52	4,63	4,75	4,86	4,97	5,08	5,20	5,31	5,42	5,54
50	5,65	5,76	5,87	5,99	6,10	6,21	6,33	6,44	6,55	6,67
60	6,78	6,89	7,00	7,12	7,23	7,34	7,46	7,57	7,68	7,80
70	7,91	8,02	8,13	8,25	8,36	8,47	8,59	8,70	8,81	8,93
80	9,04	9,15	9,26	9,38	9,49	9,60	9,72	9,83	9,94	10,06
90	10,17	10,28	10,39	10,51	10,62	10,73	10,58	10,96	11,07	11,19
100	11,30	11,41	11,52	11,64	11,75	11,86	11,98	12,09	12,20	12,31

Important prefix characters

Giga	G	1.000.000.000	$= 10^9$
Mega	M	1.000.000	$= 10^6$
Kilo	k	1.000	$= 10^3$
Hecto	H	100	$= 10^2$
Deca	Da	10	$= 10^1$
Deci	d	0,1	$= 10^{-1}$
Centi	c	0,01	$= 10^{-2}$
Milli	m	0,001	$= 10^{-3}$
Micro	µ	0,000001	$= 10^{-6}$
Nano	n	0,000000001	$= 10^{-9}$

Important SI units with conversions to old but still commonly used units

Length	metre	m		
Masa	kilogramme			
Time	second	s		
Force	newton	N	= m/s²	1 N = 0,102 kp
Torque	newton metre	N·m		9,81 N·m = 1 kp·m
Energy (work)	joule	J	= N·m	
Heat quantity	joule	J		1 J = 0,239 cal
Power	watt	W	= N·m/s	1 kW = 1,36 PS = 860 kcal/h
Pressure	pascal	Pa	= N/m²	100 000 Pa = 1 bar = 10 mWS
Electrical current	ampere	A		
Temperature	kelvin	K		1 K = 1 °C

Conversion table, mass and weight

1 megagramme (Mg)	= 1.000 kg	= 10.000 hg	= 100.000 dag	= 1.000.000 g
1 ton (to.)	= 1.000 kg			
1 kilogramme (kg)		= 10 hg	= 100 dag	= 1000 g
1 hectogramme (hg)			= 10 dag	= 100 g
1 decagramme (dag)				= 10 g
1 gramme (g)	= 10 dg	= 100 cg	= 1000 mg	
1 decigramme (dg)		= 10 cg	= 100 mg	
1 centigramme (cg)			= 10 mg	
1 miligramme (mg)			= 1 mg	

Conversion table, force and torque

1 newton	= 0,102 kp
1 kilopond	= 9,81 N
1 kilopond metre	= 9,81 N·m

* Statutory unit in the Federal Republic of Germany until 1977

Material properties

	Density g/cm³	Expansion 1/°C	Melting point °C	Modulus of elasticity N/mm
Aluminium	2,7	0,000024	660,1	72 000
Lead	11,3	0,000029	327,3	16 000
Iron (Steel)	7,86	0,000012	1540	210 000
Gold	19,3	0,000014	1063	79 000
Copper	8,9	0,000017	1083	126 000
Zinc	7,1	0,000026	419	94 000
Glass	2,2–2,9	0,000008	800–1500	68 000
Air	0,0013	0,0036		
Wood	0,5–0,7			10 000
Plastics / synthetic materials:				
PS,	1,05	0,00008		3 400
PP,	0,9	0,00018		1 200
ABS	1,05	0,00010		2 500

Examples

Example 1:
Expansion of a steel body of 100 mm in length at a temperature of 10 °C. Length y expansion coefficient x °C exp. = 100 mm x 0,000012 x 10 = 0,012 mm = 12 µm

Example 2:
Elastic expansion e = s/E.
A body of 100 mm in length made of ABS is stretched with s = 50 N/mm². e = 50 N/mm²: 2500 N/mm² = 0.02.
The expansion is: 100 mm x 0.02 = 2 mm.

Example 3:
Two steel plates with a total thickness of 20 mm are pre-stressed by means of a screw connection of s = 50 N/mm²: e = 50: 210000 = 0.00024. The compression in the surrounding area of the screw is 20 mm x 0.00024 = 0,0048 mm = 5 µm.

The elastic compression induces a continuous pre-tension of the screw connection.
A properly tensed screw connection is selfinhibiting.

Comparsion table of Vickers-Brinell-Rockwell hardness and tensile strength

Vickers hardness HV 30	Brinell hardness HB 30	Rockwell hardness HRB	Rockwell hardness HRC	Tensile strength sB N/mm²
80	80,7	36,4	–	270
85	85	42,4	–	290
90	90	47,4	–	310
95	95	52,0	–	320
100	100	56,4	–	340
105	105	60,0	–	360
110	110	63,4	–	380
115	115	66,4	–	390
120	120	69,4	–	410
125	125	72,0	–	420
130	130	74,4	–	440
135	135	76,4	–	460
140	140	78,4	–	470
145	145	80,4	–	490
150	150	82,2	–	500
155	155	83,8	–	520
160	160	85,4	–	540
165	165	86,8	–	550
170	170	88,2	–	570
175	175	89,6	–	590
180	180	90,8	–	600
185	185	91,8	–	620
190	190	91,5	–	640
195	195	94,0	–	660
200	200	95,0	–	670
205	205	95,8	–	680
210	210	96,6	–	710
215	215	97,4	–	720
220	220	98,2	–	730
225	225	99,0	–	750
230	230	–	19,2	760
235	235	–	20,2	780
240	240	–	21,2	800
245	245	–	22,1	820
250	250	–	23,0	830
255	255	–	23,8	850
260	260	–	24,6	870
265	265	–	25,4	880
270	270	–	26,9	900
275	275	–	27,1	920
280	280	–	27,6	940
285	285	–	28,3	950
290	290	–	29,0	970
295	295	–	29,6	990
300	300	–	30,3	1010
310	310	–	31,5	1040
320	320	–	32,7	1080
330	330	–	33,8	1110
340	340	–	34,9	1140
350	350	–	36,0	1170
360	359	–	37,0	1200
370	368	–	38,0	1230
380	376	–	38,9	1260
390	385	–	39,8	1290
400	392	–	40,7	1320
410	400	–	41,5	1350
420	408	–	42,4	1380
430	415	–	43,2	1410
440	423	–	44,0	1430
450	430	–	44,8	1460
460	–	–	45,6	(1490)
470	–	–	46,3	(1520)
480	–	–	47,0	(1550)
490	–	–	47,7	(1580)
500	–	–	48,3	(1600)
510	–	–	49,1	(1630)
520	–	–	49,7	(1660)
530	–	–	50,4	(1690)
540	–	–	51,0	(1710)
550	–	–	51,6	(1740)
560	–	–	52,2	(1770)
570	–	–	52,8	(1790)
580	–	–	53,3	(1820)
590	–	–	53,9	(1850)
600	–	–	54,4	(1870)
610	–	–	55,0	(1900)
620	–	–	55,5	(1930)
630	–	–	56,0	(1950)
640	–	–	56,5	(1980)
650	–	–	57,0	(2000)
660	–	–	57,5	(2030)
670	–	–	58,0	(2050)
680	–	–	58,5	(2080)
690	–	–	59,0	(2110)
700	–	–	59,5	(2130)
720	–	–	60,4	(2170)
740	–	–	61,2	(2220)
760	–	–	62,0	(2260)
780	–	–	62,8	(2300)
800	–	–	63,6	–
820	–	–	64,3	–
840	–	–	65,0	–
860	–	–	65,7	–
880	–	–	66,3	–
900	–	–	66,9	–
920	–	–	67,5	–
940	–	–	68,0	–

Guideline values for the coefficient of friction µ

Screw thread / Nut thread				Steel				
				blackened or Zinc-phosphate				
				pressed rolled	rolled cut	sharpened	cadmium-plated 6 µ	zinc-plated 6 µ
Steel	ground		Slightly oiled	0,14	0,10	0,16	0,10	0,10
	sharpened			0,16	0,10	0,16	0,10	0,10
	ground sharpened	Zinc-phosphate		0,14		0,10		
	turned sharpened			0,10				
	turned sharpened			0,10		0,10	0,10	0,10
	cadmium-plated	6 µ					0,14	
	zinc-plated							0,10
	cadmium-plated		Dry	0,10		0,10	0,14	
	zinc-plated			0,10		0,10		0,14

Choosing the right friction value

In order to exactly define the pre-tension force and the tightening torque, it is essential to know the coefficient friction.
However, it would seem almost impossible to specify definite values for the coefficients of friction for the large variety of possible surface and lubrication conditions and above all for their variance. Added to this are the variances of the various different tightening methods which also constitute a greater or lesser factor of uncertainty. For this reason, it is only possible to make recommendations on the choise of the coefficient of friction. 80 % of the tightening-torque values apply for countersunk head screws on account of the remaining base thickness.

Guideline values for the coefficient of friction µ

In order o exactly define the pre-tension force and the tightening torque, it is essential to know the coefficient of friction. However, it would seem almost impossible to specify definite values for the coefficients of friction for the large variety of possible surface and lubrication conditions and above all for their variance.

The following circumstances influence the friction value:
The surfaces and the nature of the materials being screwed, the method of lubrication, the sliding path due to the flexibility and the tightening method, i.e. the number and the speed of the tightening cycles and finally the tightening path - the so-called hard or soft screw case. The sum total of these items represents a greater or lesser factor of uncertainty. Even DIN-equivalent screws con differ considerably in their friction value because of being delivered by different suppliers, depending on the screw lot and depending on their storage and, in particalar, on the oiling or greasing performed in the course of installation. Please note that around 80 to 90% of the tightening torque in most tightening procedures is required for overcoming the friction in the screw.

Important remark:
For this reason, it is only possible to give recommendations on the choice of the friction value. We point out explicitly that the following tables only contain guideline values. In all cases, a detailed screw calculation is more reliable than these tables! That applies particularly for parts which are relevant to safety, are subject to official regulations or perform sealing functions. The tables should only be utilised where the manufacturer of the screws or elements being connected has made no specifications on the required tightening torques.

Friction value μ_{ges} 0,10 and 0,14

Friction value μ_{ges} 0,10		Shank screws with metric ISO medium threads in accordance with DIN ISO 261											
		4.6		5.6		6.8		8.8		10.9		12.9	
μ_{ges} 0,10	P mm	F_{sp} N	M_A N·m	F_{sp} N	M_A N·m	F_{sp} N	M_A N·m	F_{sp} N	M_A N·m	F_{sp} N	M_A N·m	F_{sp} N	M_A N·m
M 2	0,4	367	0,108	459	0,135	734	0,216	979	0,288	1.376	0,405	1.651	0,486
M 2,5	0,45	610	0,221	763	0,276	1.221	0,441	1.628	0,588	2.289	0,827	2.747	0,993
M 3	0,5	915	0,392	1.144	0,491	1.830	0,785	2.441	1,047	3.432	1,472	4.118	1,766
M 3,5	0,6	1.228	0,617	1.535	0,771	2.456	1,234	3.274	1,645	4.605	2,313	5.526	2,776
M 4	0,7	1.587	0,914	1.983	1,142	3.173	1,827	4.231	2,436	5.950	3,426	7.139	4,111
M 4,5	0,75	2.059	1,325	2.574	1,656	4.118	2,649	5.491	3,532	7.722	4,967	9.266	5,961
M 5	0,8	2.593	1,843	3.242	2,304	5.187	3,686	6.915	4,915	9.725	6,912	11.670	8,294
M 6	1	3.661	3,140	4.576	3,925	7.322	6,280	9.762	8,373	13.728	11,775	16.473	14,130
M 8	1,25	6.713	7,609	8.391	9,511	13.426	15,218	17.901	20,291	25.173	28,534	30.208	34,240
M 10	1,5	10.683	15,06	13.354	18,82	21.366	30,11	28.488	40,15	40.061	56,46	48.073	67,75
M 12	1,75	15.571	26,24	19.463	32,80	31.142	52,48	41.522	69,97	58.390	98,39	70.068	118,07
M 14	2	21.377	41,92	26.721	52,40	42.753	83,83	57.004	111,78	80.162	157,19	96.195	188,62
M 16	2	29.373	64,80	36.717	81,01	58.747	129,61	78.329	172,81	110.150	243,02	132.180	291,62
M 18	2,5	35.742	89,80	44.678	112,25	71.484	179,60	95.312	239,46	134.033	336,75	160.840	404,09
M 20	2,5	45.896	126,57	57.370	158,21	91.792	253,14	122.389	337,52	172.109	474,64	206.531	569,57
M 22	2,5	57.312	172,1	71.640	215,1	114.623	344,2	152.831	459,0	214.919	645,4	257.902	774,5
M 24	3	66.090	218,7	82.612	273,4	132.180	437,4	176.240	583,2	247.837	820,2	297.405	984,2
M 27	3	86.922	319,7	108.653	399,6	173.845	639,3	231.793	852,4	325.959	1.198,7	391.150	1.438,4
M 30	3,5	105.686	434,0	132.107	542,5	211.371	868,0	281.828	1.157,3	396.321	1.627,4	475.585	1.952,9
M 33	3,5	131.646	589,0	164.557	736,3	263.292	1.178,1	351.056	1.570,8	493.672	2.208,9	592.407	2.650,7
M 36	4	154.529	757,7	193.161	947,1	309.057	1.515,4	412.076	2.020,5	579.482	2.841,4	695.379	3.409,6
M 39	4	185.617	978	232.021	1.223	371.233	1.957	494.978	2.609	696.062	3.669	835.275	4.403
M 42	4,5	212.619	1.212	265.774	1.515	425.238	2.424	566.983	3.232	797.321	4.545	956.785	5.454
M 45	4,5	248.834	1.510	311.043	1.888	497.669	3.020	663.559	4.027	933.129	5.663	1.119.755	6.795
M 48	5	279.956	1.819	349.945	2.274	559.912	3.638	746.550	4.850	1.049.836	6.821	1.259.803	8.185
M 52	5	335.711	2.346	419.639	2.932	671.422	4.692	895.229	6.256	1.258.916	8.797	1.510.700	10.557
M 56	5,5	387.206	2.919	484.007	3.649	774.412	5.839	1.032.549	7.785	1.452.022	10.948	1.742.427	13.137
M 60	5,5	452.319	3.632	565.399	4.540	904.639	7.265	1.206.185	9.686	1.696.198	13.621	2.035.438	16.345
M 64	6	511.800	4.392	639.751	5.490	1.023.601	8.784	1.364.801	11.713	1.919.252	16.471	2.303.102	19.765
M 68	6	586.272	5.319	732.840	6.649	1.172.545	10.638	1.563.393	14.184	2.198.521	19.947	2.638.225	23.936
		Shank screws with metric ISO fine-pitch thread in accordance with DIN ISO 261											
M 8	1	7.343	8,10	9.179	10,13	14.687	16,20	19.582	21,60	27.537	30,38	33.045	36,45
M 10	1	12.288	16,57	15.360	20,71	24.576	33,14	32.768	44,19	46.080	62,14	55.297	74,57
M 12	1,5	16.522	27,34	20.653	34,17	33.045	54,68	44.060	72,91	61.959	102,52	74.351	123,03
M 14	1,5	23.624	44,89	29.530	56,11	47.249	89,78	62.998	119,70	88.591	168,33	106.309	202,00
M 16	1,5	31.988	68,63	39.984	85,79	63.975	137,26	85.300	183,01	119.953	257,36	143.944	308,83
M 18	1,5	41.612	99,49	52.015	124,36	83.223	198,98	110.965	265,30	156.044	373,08	187.253	447,70
M 20	1,5	52.497	138,4	65.621	173,0	104.993	276,8	139.991	369,1	196.862	519,0	236.235	622,8
M 22	1,5	64.642	186,3	80.803	232,8	129.284	372,6	172.379	496,7	242.408	698,5	290.890	838,3
M 24	1,5	78.048	244,1	97.560	305,1	156.096	488,1	208.129	650,8	292.681	915,2	351.217	1.098,3

Friction value μ_{ges} 0,14		Shank screws with metric ISO medium threads in accordance with DIN ISO 261											
		4.6		5.6		6.8		8.8		10.9		12.9	
μ_{ges} 0,14	P mm	F_{sp} N	M_A N·m	F_{sp} N	M_A N·m	F_{sp} N	M_A N·m	F_{sp} N	M_A N·m	F_{sp} N	M_A N·m	F_{sp} N	M_A N·m
M 2	0,4	338	0,130	422	0,163	675	0,261	901	0,348	1.267	0,489	1.520	0,587
M 2,5	0,45	563	0,269	703	0,336	1.125	0,537	1.500	0,716	2.110	1,007	2.532	1,209
M 3	0,5	845	0,480	1.056	0,600	1.689	0,961	2.253	1,281	3.168	1,801	3.801	2,161
M 3,5	0,6	1.133	0,754	1.416	0,942	2.266	1,507	3.021	2,009	4.248	2,826	5.098	3,391
M 4	0,7	1.463	1,115	1.829	1,393	2.927	2,229	3.902	2,972	5.487	4,180	6.585	5,016
M 4,5	0,75	1.901	1,621	2.376	2,026	3.801	3,242	5.068	4,323	7.127	6,079	8.553	7,295
M 5	0,8	2.395	2,261	2.994	2,827	4.790	4,523	6.387	6,030	8.982	8,480	10.778	10,176
M 6	1	3.379	3,843	4.224	4,803	6.758	7,685	9.011	10,247	12.671	14,410	15.205	17,292
M 8	1,25	6.202	9,349	7.753	11,686	12.404	18,698	16.539	24,931	23.258	35,059	27.909	42,070
M 10	1,5	9.876	18,54	12.345	23,18	19.752	37,09	26.336	49,45	37.034	69,54	44.441	83,44
M 12	1,75	14.400	32,37	18.000	40,46	28.801	64,74	38.401	86,32	54.001	121,38	64.801	145,66
M 14	2	19.775	51,77	24.719	64,71	39.551	103,54	52.734	138,06	74.158	194,14	88.989	232,97
M 16	2	27.221	80,62	34.027	100,77	54.443	161,24	72.591	214,98	102.080	302,32	122.497	362,78
M 18	2,5	33.078	111,09	41.347	138,86	66.155	222,17	88.207	296,23	124.041	416,58	148.850	499,89
M 20	2,5	42.534	157,46	53.167	196,82	85.067	314,91	113.423	419,88	159.501	590,46	191.401	708,55
M 22	2,5	53.175	215,1	66.469	268,9	106.350	430,2	141.800	573,7	199.406	806,7	239.288	968,0
M 24	3	61.248	272,1	76.560	340,1	122.497	544,2	163.329	725,6	229.681	1.020,3	275.617	1.224,4
M 27	3	80.670	399,9	100.837	499,9	161.339	799,9	215.119	1.066,5	302.512	1.499,7	363.014	1.799,7
M 30	3,5	98.027	541,7	122.533	677,2	196.054	1.083,4	261.405	1.444,6	367.600	2.031,5	441.120	2.437,7
M 33	3,5	122.241	738,5	152.801	923,2	244.482	1.477,1	325.976	1.969,4	458.404	2.769,5	550.084	3.323,4
M 36	4	143.413	948,0	179.266	1.185,0	286.826	1.896,0	382.434	2.528,0	537.798	3.555,0	645.358	4.265,9
M 39	4	172.420	1.229	215.525	1.536	344.839	2.457	459.786	3.276	646.574	4.607	775.888	5.529
M 42	4,5	197.407	1.519	246.758	1.899	394.813	3.038	526.417	4.050	740.275	5.696	888.329	6.835
M 45	4,5	231.206	1.898	289.007	2.373	462.412	3.796	616.549	5.062	867.022	7.118	1.040.426	8.541
M 48	5	260.008	2.282	325.010	2.853	520.015	4.565	693.354	6.086	975.029	8.559	1.170.035	10.211
M 52	5	312.056	2.954	390.070	3.692	624.112	5.907	832.149	7.876	1.170.209	11.076	1.404.251	13.292
M 56	5,5	359.843	3.672	449.804	4.591	719.686	7.345	959.581	9.793	1.349.411	13.772	1.619.293	16.526
M 60	5,5	420.651	4.582	525.813	5.728	841.301	9.164	1.121.735	12.219	1.577.440	17.183	1.892.928	20.619
M 64	6	475.860	5.536	594.825	6.920	951.720	11.071	1.268.960	14.762	1.784.476	20.759	2.141.371	24.911
M 68	6	545.427	6.720	681.784	8.400	1.090.855	13.440	1.454.473	17.919	2.045.353	25.199	2.454.423	30.239
		Shank screws with metric ISO fine-pitch thread in accordance with DIN ISO 261											
M 8	1	6.805	10,08	8.507	12,60	13.611	20,15	18.148	26,87	25.520	37,79	30.624	45,35
M 10	1	11.418	20,83	14.272	26,04	22.835	41,66	30.447	55,55	42.816	78,11	51.379	93,73
M 12	1,5	15.312	34,01	19.140	42,51	30.624	68,02	40.832	90,69	57.420	127,54	68.904	153,05
M 14	1,5	21.934	56,25	27.418	70,32	43.868	112,51	58.491	150,01	82.253	210,96	98.703	253,15
M 16	1,5	29.741	86,50	37.177	108,12	59.483	172,99	79.310	230,66	111.530	324,36	133.836	389,23
M 18	1,5	38.733	125,95	48.417	157,44	77.467	251,91	103.289	335,88	145.250	472,33	174.300	566,80
M 20	1,5	48.910	175,9	61.138	219,8	97.820	351,7	130.427	468,9	183.413	659,4	220.096	791,3
M 22	1,5	60.272	237,4	75.340	296,8	120.543	474,8	160.724	633,1	226.019	890,3	271.223	1.068,3
M 24	1,5	72.818	311,8	91.022	389,8	145.635	623,7	194.180	831,6	273.066	1.169,4	327.680	1.403,3

Friction value μ_{ges} 0,16

Friction value μ_{ges} 0,16		Shank screws with metric ISO medium threads in accordance with DIN ISO 261											
		4.6		5.6		6.8		8.8		10.9		12.9	
μ_{ges} 0,16	P mm	F_{sp} N	M_A N·m	F_{sp} N	M_A N·m	F_{sp} N	M_A N·m	F_{sp} N	M_A N·m	F_{sp} N	M_A N·m	F_{sp} N	M_A N·m
M 2	0,4	324	0,140	405	0,175	647	0,280	863	0,373	1.214	0,525	1.456	0,630
M 2,5	0,45	539	0,289	674	0,361	1.079	0,578	1.439	0,770	2.023	1,083	2.428	1,300
M 3	0,5	810	0,517	1.013	0,647	1.620	1,035	2.161	1,380	3.038	1,940	3.646	2,328
M 3,5	0,6	1.086	0,811	1.358	1,014	2.173	1,622	2.897	2,163	4.074	3,042	4.889	3,650
M 4	0,7	1.403	1,199	1.754	1,499	2.806	2,398	3.742	3,198	5.262	4,497	6.314	5,396
M 4,5	0,75	1.823	1,746	2.279	2,182	3.646	3,492	4.861	4,656	6.836	6,547	8.204	7,857
M 5	0,8	2.298	2,438	2.872	3,047	4.596	4,875	6.127	6,500	8.617	9,141	10.340	10,969
M 6	1	3.241	4,139	4.051	5,173	6.482	8,277	8.643	11,036	12.154	15,520	14.584	18,623
M 8	1,25	5.951	10,083	7.438	12,603	11.901	20,165	15.868	26,887	22.315	37,809	26.778	45,371
M 10	1,5	9.477	20,01	11.847	25,02	18.955	40,03	25.273	53,37	35.540	75,05	42.648	90,06
M 12	1,75	13.821	34,96	17.277	43,69	27.642	69,91	36.857	93,22	51.830	131,08	62.195	157,30
M 14	2	18.982	55,93	23.728	69,91	37.964	111,86	50.619	149,15	71.183	209,74	85.419	251,69
M 16	2	26.145	87,30	32.682	109,13	52.291	174,61	69.721	232,81	98.045	327,39	117.654	392,87
M 18	2,5	31.755	120,08	39.694	150,10	63.510	240,15	84.680	320,20	119.081	450,29	142.897	540,34
M 20	2,5	40.852	170,52	51.065	213,14	81.704	341,03	108.939	454,71	153.195	639,43	183.834	767,32
M 22	2,5	51.093	233,3	63.867	291,7	102.187	466,6	136.249	622,2	191.600	875,0	229.921	1.050,0
M 24	3	58.827	294,7	73.534	368,3	117.654	589,3	156.872	785,7	220.601	1.104,9	264.721	1.325,9
M 27	3	77.519	433,9	96.899	542,4	155.038	867,9	206.717	1.157,2	290.696	1.627,2	348.835	1.952,7
M 30	3,5	94.179	587,3	117.724	734,2	188.358	1.174,6	251.144	1.566,2	353.172	2.202,5	423.806	2.642,9
M 33	3,5	117.488	801,9	146.860	1.002,3	234.977	1.603,8	313.302	2.138,3	440.581	3.007,0	528.697	3.608,5
M 36	4	137.811	1.028,6	172.264	1.285,7	275.623	2.057,2	367.497	2.742,9	516.793	3.857,2	620.152	4.628,6
M 39	4	165.738	1.335	207.172	1.668	331.475	2.669	441.967	3.559	621.516	5.005	745.819	6.006
M 42	4,5	189.724	1.649	237.155	2.061	379.448	3.298	505.930	4.397	711.465	6.183	853.758	7.420
M 45	4,5	222.267	2.063	277.834	2.578	444.534	4.125	592.712	5.500	833.501	7.735	1.000.201	9.282
M 48	5	249.916	2.479	312.395	3.099	499.833	4.958	666.444	6.610	937.186	9.296	1.124.624	11.155
M 52	5	300.035	3.212	375.043	4.014	600.069	6.423	800.093	8.564	1.125.130	12.043	1.350.156	14.452
M 56	5,5	345.954	3.992	432.442	4.990	691.908	7.984	922.544	10.645	1.297.327	14.969	1.556.793	17.963
M 60	5,5	404.516	4.985	505.645	6.232	809.031	9.970	1.078.709	13.294	1.516.934	18.695	1.820.321	22.433
M 64	6	457.571	6.021	571.964	7.526	915.142	12.042	1.220.189	16.056	1.715.891	22.579	2.059.069	27.095
M 68	6	524.576	7.315	655.720	9.143	1.049.152	14.629	1.398.869	19.506	1.967.160	27.430	2.360.592	32.916
		Shank screws with metric ISO fine-pitch thread in accordance with DIN ISO 261											
M 8	1	6.536	10,91	8.170	13,64	13.073	21,83	17.430	29,10	24.511	40,92	29.413	49,11
M 10	1	10.976	22,64	13.720	28,29	21.952	45,27	29.270	60,36	41.161	84,88	49.393	101,86
M 12	1,5	14.707	36,83	18.383	46,04	29.413	73,66	39.218	98,22	55.150	138,12	66.180	165,74
M 14	1,5	21.080	61,07	26.351	76,34	42.161	122,14	56.214	162,86	79.052	229,02	94.862	274,82
M 16	1,5	28.598	94,08	35.748	117,60	57.196	188,16	76.262	250,88	107.243	352,80	128.692	423,35
M 18	1,5	37.260	137,20	46.575	171,50	74.519	274,40	99.359	365,87	139.724	514,51	167.669	617,41
M 20	1,5	47.065	191,8	58.831	239,7	94.130	383,6	125.506	511,4	176.494	719,2	211.792	863,0
M 22	1,5	58.014	259,2	72.517	324,0	116.027	518,4	154.703	691,2	217.551	971,9	261.062	1.166,3
M 24	1,5	70.106	340,7	87.632	425,9	140.212	681,5	186.949	908,6	262.897	1.277,7	315.477	1.533,3

Specifications given without warranty.

Legend

μ_{ges} = Average friction value for thread and underhead seat

P = Pitch of the thread

F_{sp} = Axial pre-tension force in the screw for 90% utilisalion of the screw yield point (determined in accordance with the shape-changing-energy hypothesis)

M_A = Tightening torque during installation

Important remarks:

Please make sure to read our information relating to the guideline values of the thread friction values on page 640. Taking into consideration the friction values, the above-specified table values only apply for headless screws (expanding screws generally require lower tightening values). The effective friction diameter in the screw underhead seat was defined as 1.3 x ecternal thread diameter.
For this reason, it is only possible to use them in the case of normal shank screws, generally hexagon-headed and cylindrical-head screws (e.g. DIN EN ISO 4014, 4017, 4764, DIN 7984). When screws of high strengths (8.8 to 12.9) and tensed parts made of "soft" construction materials are used, a verification of the interfacial pressure under the screw head is strongly recommended.

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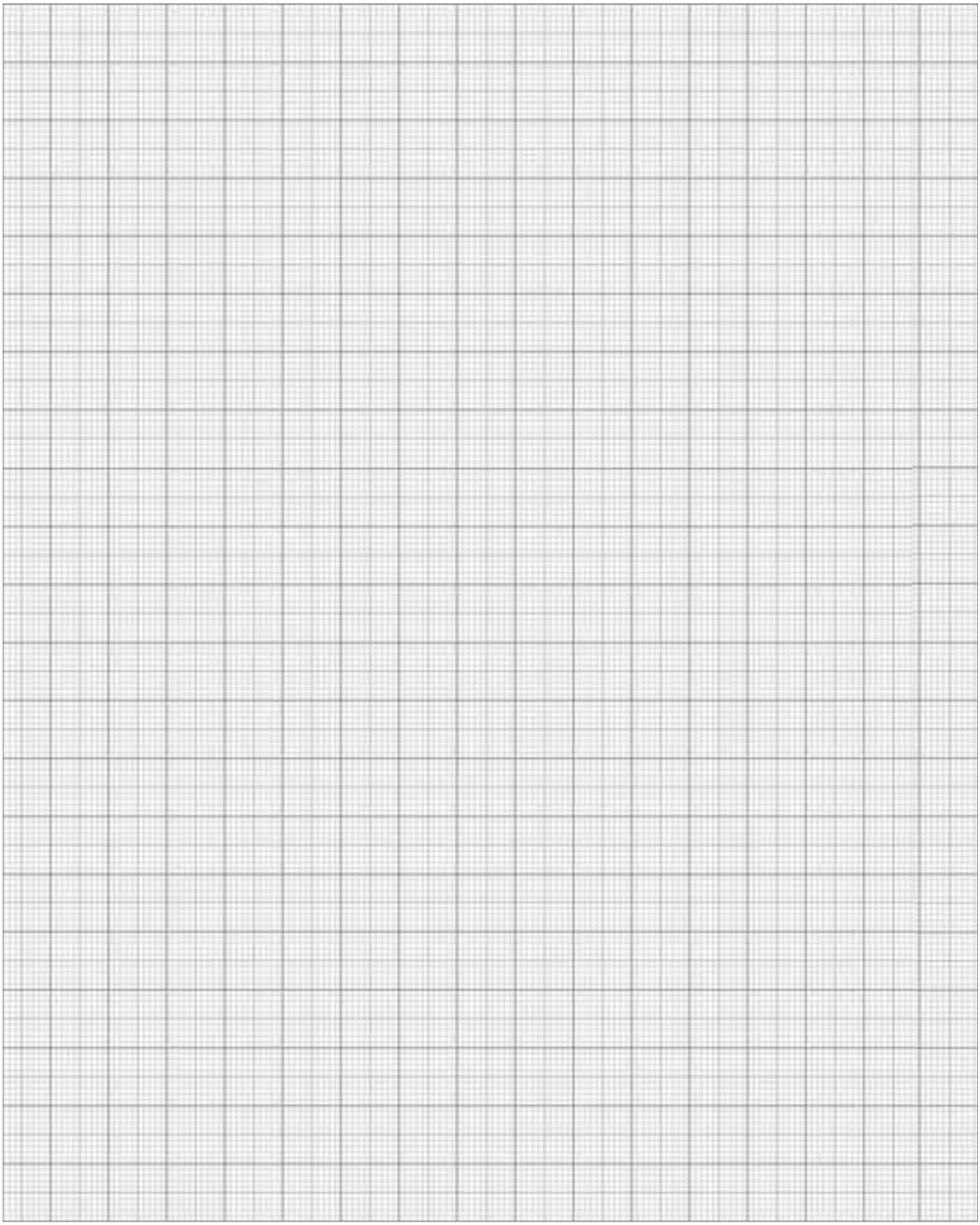

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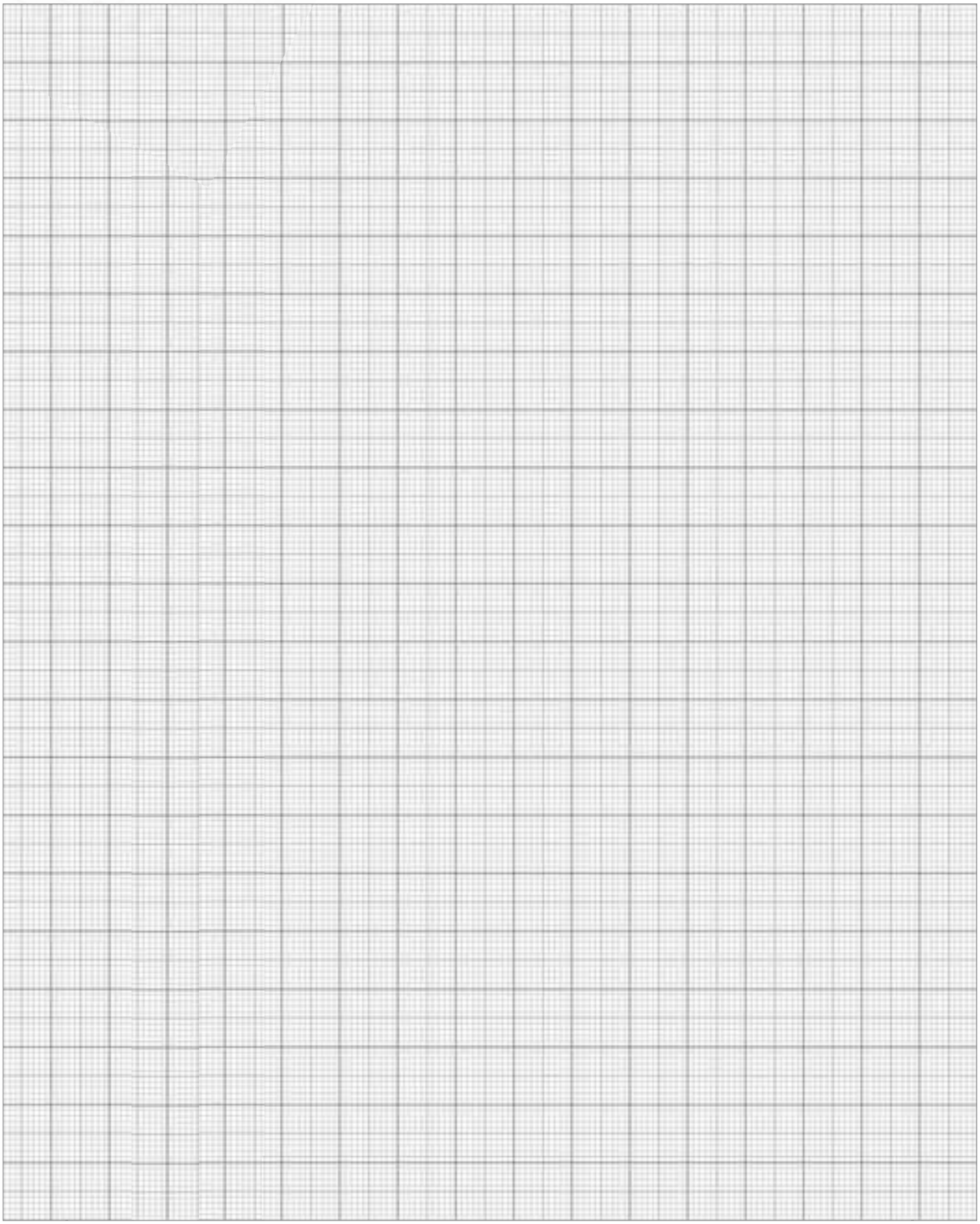

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