



# TECHNICAL SYMBOLS

	Weight (total)
	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
	Diameter of hole (external)
	Diameter of hole (internal)
	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 (internal)
	Hexagon drive (external)
	Hexagon drive (internal)

	Drive sections
	Slotted
	Cruciforme PH
	Cruciforme PZ
	Internal square
	External hexagon
	External hexagon with tamper proof hole
	Internal single hexagon
	Bi-hexagon
	Unit Drive
	Unit Drive
	Internal-TORX*
	Internal tamper proof TORX*
	External-TORX*
	Internal serrations XZN
	Multi-spline RIBE*
	Hexagon
	Bi-hexagon
	Cutting edge thickness
	Jaw width / tape width
	Head width
	Throat depth
	Depth of opening / Clamping width / Clamping range

	Type of jaw straight
	Type of jaw half-round
	Type of jaw round
	Cutting edge with bevel
	Cutting edge without bevel
	Straight jaws
	Angled jaws
	Internal retaining rings
	External retaining rings
	ESD, electrostatic discharge
	Electronic
	Pivoting angle
	Angle
	File profile flat
	File profile three-edged
	File profile round
	File profile half-round
	File profile square
	Puller
	Clamping spread
	Clamping reach
	Size of spindle
	Hydraulic spindle

	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
	Packaging unit
	Conformity with EU guidelines
	VDE Test Symbol
	For working in voltage areas up to 1000 V
	VDE Test Symbol (protective equipment)

	new
	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
	Drawer
	Door
	Shelf
P.O.A.	Price on application
SB	Display Card Supplied





### Products that are trusted worldwide

We have been making quality tools since 90 years - tools we understand, that are chosen by professional users, and which we back with our good name. This means that our customers can always rely on optimal material properties, perfect ergonomics, maximum safety and long life in GEDORE tools.

### People at GEDORE

GEDORE emphasizes quality, expertise, effectiveness and reliability. To maintain this, we invest continuously in production technology and development in our region. But even with leading-edge production technology, nothing at GEDORE takes priority over the care, precision, craftsmanship and experience of well-qualified employees. The quality concept, "Made in Germany", stands above all for the skill, loyalty and commitment of our employees.



### Premium quality from a premium company

The modern-day GEDORE Group embraces a large number of specialist tool companies, manufacturing world-renowned branded products. This allows us to supply professional users with a wide product range from a single source. The combined range supplied by the highly specialised manufacturers in our Group amounts to 18000 quality products. Each member of the Group stands for reliable development and production of custom and special tools.



### You are the focus of our attention

In addition to the Central Office and Field Service, which act as central contacts for all brands, we also provide a Technical Field Service to assist you with specific issues. Our "Servicemobile" is the ideal way of clarifying user problems locally, together with the specialist retailer. Extensive information about the entire GEDORE Group is available to download on the website. The GEDORE newsletter regularly reports about products and current events from the entire Group.





### Research and development for your safety

With its Research and Development department, the Group is able to react flexibly to changing market requirements. Continuous development of existing products and the development of new, patentable products are driven by targeted product marketing. Jointly with our customers, we develop special tools and design solutions for a range of individual requirements, to ensure safety in the craft trades, in bridge engineering, on oil rigs, in shipping, in the automotive sector and in heavy industry.

### Environmental protection for future generations

Maintaining a healthy environment by keeping air, ground and water clean, takes top priority for the GEDORE Group, because we see this as a social obligation. Germany can be secured as a production location in the long term only if we secure the natural resources for future generations. Recirculation systems and recycling water and chemicals in electroplating, together with low-emission powder coating in the paint shop and low-emission forging are just a few points of our comprehensive environment management policy.





- Comprehensive imperial range for a wide range of applications
- Whitworth and AF (across flats)
- Spanners and sockets
- Applications include aviation, American motorcycles and trucks



## AUTOMOTIVE ASSORTMENTS

**ON REQUEST:**

- Mobile tool cabinet and tool chest with 365-piece MOTORCYCLE tool set
- Mobile tool cabinet with 258-piece CAR tool set
- Ideal for service, maintenance and repair work
- Developed from practical workshop use
- Not confined to specific vehicle makes
- Metric and/or imperial tools
- With Check-Tool system

## CHECK-TOOL-SYSTEM

- 2-colour plastic insert provides easy optical check of completeness
- Ideally suited for use in sensitive areas, where it is essential to ensure 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



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# AEROSPACE ASSORTMENTS



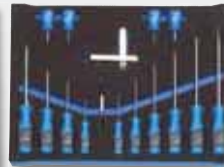
2004 0810

## 2004 Rotor Tec

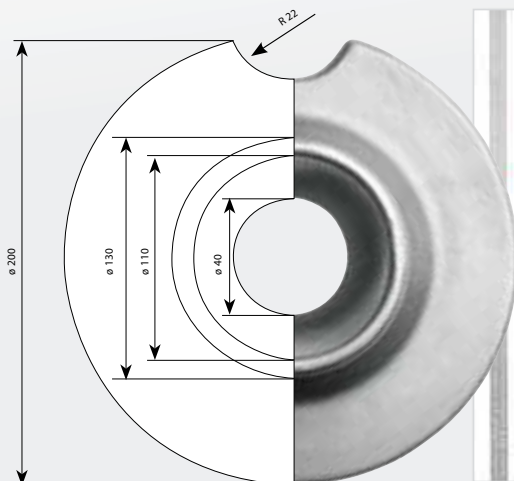


Contact:  
aerospace@gedore.de

S 1085 A



## SPECIAL MANUFACTURE



## SPECIAL MANUFACTURE



- As a group that manufactures hand tools and industrial equipment, we aim to solve your tool problems!
- Our Technical Field Service will work with you to find solutions.
- Customised products are in good hands with us.
- In-house design, tooling construction and manufacture ensure smooth order handling - Everything from a single source!
















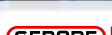


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-  **Forestry Tools**
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-  **Workshop Equipment**



-  **Tool Trolleys, Workbenches, Tool Cabinets, Tool Boxes**
-  **Spanners**
-  **Sockets and Accessories**
-  **Screwdrivers**
-  **Pliers**
-  **Pullers**
-  **COROSTOP Tools**
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-  **Hammers and Striking Tools**
-  **Technical Information**
-  **Article Index - Credits**





Page 10-65



Page 66-91



Page 92-149



Page 150-165



Page 166-201



Page 202-247



Page 248-255



Page 256-265



Page 266-281



Page 282-293



Page 294-295



Page 296-297



Page 298-303



Page 304-337



Page 338-383



Page 384-409



Page 410-421



Page 422-450





# MOBILE STORAGE

## TOOL CONTROL



### OVERVIEW

- ✔ Tool Trolleys
- ✔ Mobile Workbenches
- ✔ Tool Assortments
- ✔ Tool Cabinets
- ✔ Tool Panels
- ✔ Workbenches / Tool Cases





# THE GEDORE CHARACTER

## Impact protection

- The vertical or horizontal 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



## 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



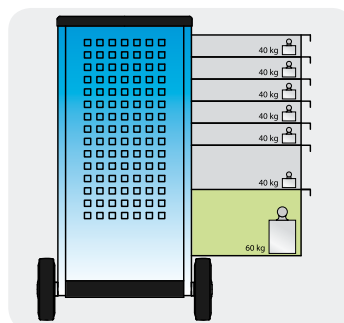
## Individual drawer locking (not applicable to 2003)

- 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



## Load capacity

- The load capacity of the drawers is 40 kg
- The combined weight of our two mechanics' tool sets, S 1004 M and S 1007 M, is 40 kg
- One drawer could hold the full weight of all 250 tools!
- Models 2003, 2004, 2005, 1502, 1504, 1504 XL: The bottom drawer is designed as heavy-duty drawer, load capacity 60 kg



## Square perforation 9 x 33 mm

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



## Features

### Removable drawers

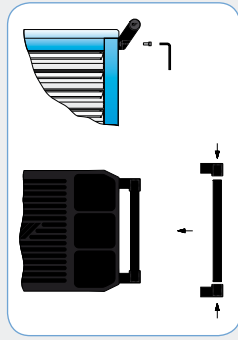


- Simultaneously push the locking lever on the left side of the drawer up and the lever on the right side of the drawer down.
- The drawer can now be pulled out by means of the central telescopic rail.
- When fitting the drawer, insert carefully into the telescopic rail. After overcoming some slight resistance, an audible click indicates successful engagement.



## MANOEUVRING HANDLE

- Solid manoeuvring handle, made from powder-coated tube

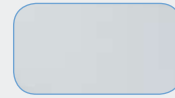


## POWDER COATING

- 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



GEDORIT blue

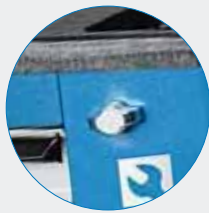
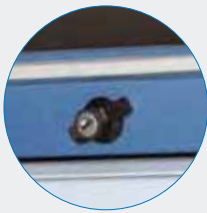


GEDORIT silver



## CENTRAL LOCKING

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



## SMOOTH RUNNING AND HIGH-PERFORMANCE WHEELS

- The typical GEDORE smooth, high-performance wheels are now fitted on all GEDORE tool trolleys and workbenches to ensure improved convenience and smooth running.
- The new small, smooth and high-performance wheels have all the positive qualities of their big brothers.



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

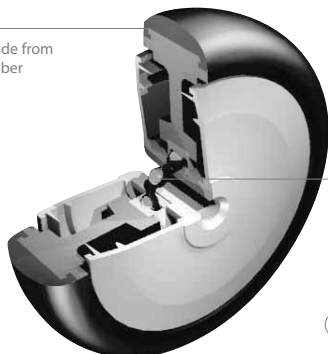


with maximum loading



### Smooth running wheel

- Tyres made from solid rubber

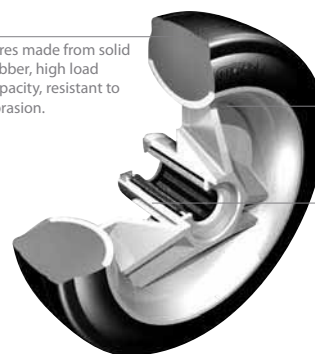


2

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.



2

The rim is made from high-quality casting.

3

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.



in unloaded state



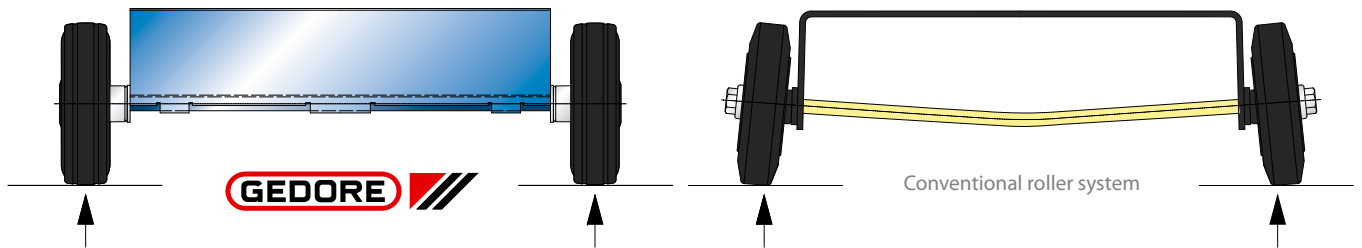
with maximum loading

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!

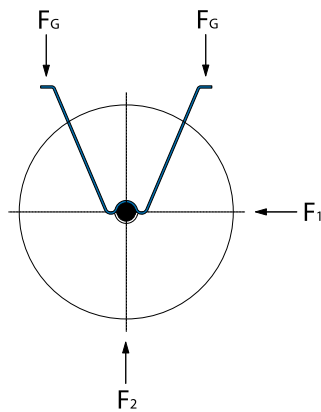


## THE GEDORE CHASSIS (Not applicable to no. 1505)

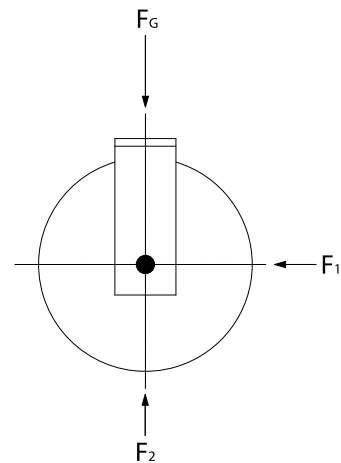
The trapezoidal GEDORE chassis uniformly distributes the applied forces.  
 The axle is mounted on triple bearings and is securely connected to the trapezoid.  
 The third, central bearing prevents the axle bending under load.  
 The special axle design ensures that the GEDORE high-performance rollers **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.



Uniform distribution of forces



Concentrated force distribution on screw-connected roller systems

## TOTAL BRAKING SYSTEM

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



## HEEL PROTECTION

- ▣ All-round heel protection by rounded edges on the underside allows the tool trolley or workbench to be safely pulled or pushed
- ▣ The sensitive Achilles heel is protected from serious injury





# MODULE SYSTEM

With the user friendly tool modules from GEDORE · up from page 57

1/3 Modules



2/3 Modules



Dist. modules



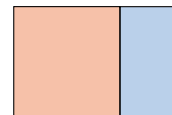
## POSSIBLE COMBINATIONS OF THE MODULES

### Tool trolley and workbench models

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

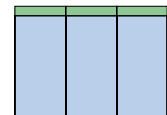


3x 1/3 modules

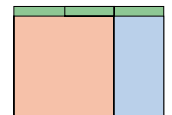


1x 2/3 modules and 1x 1/3 module

3000 TANTO

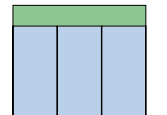


3x 1/3 modules  
3x distance module 1500 ED-30

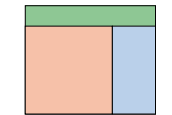


1x 2/3 modules and 1x 1/3 module  
3x distance module 1500 ED-30

2003, 2004, 1502, 1504 as well as the big drawer of 2500

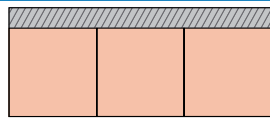


3x 1/3 modules  
1x distance module 1500 ED-70  
or 1500 ED-70 K

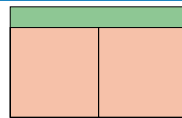


1x 2/3 and 1x 1/3 modules  
1x distance module  
1500 ED-70 or 1500 ED-70 K

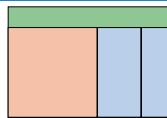
2005, 1504 XL



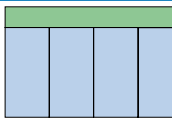
XL drawer  
3x 2/3 modules



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

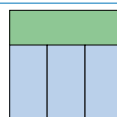


1x 2/3 and 2x 1/3 modules  
1x distance module 1500 ED-70 XL

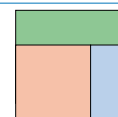


4x 1/3 modules  
1x distance module 1500 ED-70 XL

B 1500, 1505

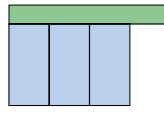


3x 1/3 modules  
1x distance module 1500 ED-150 K

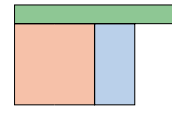


1x 2/3 and 1x 1/3 modules  
1x distance module 1500 ED-150 K

2545, 2550, B 1510, B 1511



3x 1/3 modules  
1x distance module 1500 ED-85



1x 2/3 and 1x 1/3 modules  
1x distance module 1500 ED-85

\*When ordering model 2003, 2004, 1502 or 1504.2 pieces of 1500 ED-70K are supplied f.o.c.



# 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.

The range of hooks (1500 HS) recommended for fitting in the panels with square holes can also be found in the relevant column.







S 1150 M - 41 pieces  
 S 1151 M/A - 68 pieces  
 S 1020 M - 69 pieces  
 S 1002 M - 79 pieces  
 S 1004 M - 80 pieces  
 S 1006 M - 115 pieces  
 S 1005 A - 81 pieces  
 S 1400 GM/GA - 100 pieces / 92 pieces  
 S 1400 GM+ZM - 134 pieces / S 1400 GA+ZA - 126 pieces  
 S 1011 M - 134 pieces  
 S 1009 M - 134 pieces  
 S 1008 M - 138 pieces  
 S 1013 M - 158 pieces  
 S 1007 M - 175 pieces  
 S 1023 M - 118 pieces

✓	✓	only 1265 and 1335	only 1335	✓			only 1335											
	✓	✓	✓	✓			✓	✓										
	✓	✓	✓	✓			✓	✓										✓
	✓	✓	✓	✓			✓	✓										✓
	✓		✓	✓			✓	✓	✓									✓
	✓	HS1	HS2	HS3	HS4	HS1	HS5	HS5	HS6	HS7	HS8	HS8	HS8	HS8	HS8	HS8	HS6	
	✓	HS1	HS2	HS10			HS11	HS11		HS12	HS13							
	✓	HS14 1x1450	HS15 2x1450	HS16 2x1450			HS17 2x1450	HS23 3x1450										
	✓	HS14			HS22	HS3	HS17	HS23	HS20	HS24	HS25	HS25	HS25	HS25	HS25	HS22		
	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



## TOOL TROLLEYS 2003 - 2004 - 2005

- ✔ Working platform in ABS with 3 compartments for small parts
- ✔ With handle for easy pushing, pulling and turning
- ✔ Drawers individually partitionable, delivery includes length- and crosswise dividers
- ✔ Drawers fully extendable, removable
- ✔ Ball bearings
- ✔ Bottom drawer designed as heavy-duty drawer
- ✔ GEDORE heavy-duty chassis with high-performance wheels on roller bearings, with 2 fixed castors Ø 200 mm and 2 swivel castors Ø 125 mm, one with total brake
- ✔ Heel protection and all-round impact protection
- ✔ In GEDORIT blue, drawers GEDORIT silver, top black
- ✔ Delivery without tools
- ✔ Optional accessories: Tool chest 2430, Rear panel R 2003 or RB 2004, Wood plate 1500 HP



Tool Trolley 2004



Plastic handle + powder-coated aluminium tube



High-performance wheels



Impact protection

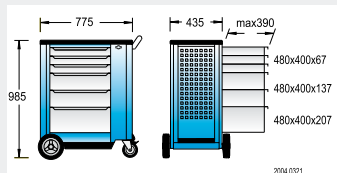


Drawers with ball bearings

## TOOL TROLLEY 2004

A sturdy workshop trolley with smooth running drawers that open and shut one handed

### FEATURES



- 6 Drawers with ball bearings, 100% extendable and all individual partitionable. Delivery includes length- and crosswise dividers
- 7 Drawer combinations and maximum volumes may be selected individually to suit every workshop. 3 drawer sizes (30% - 207 mm, 20% - 137 mm and 10% - 67 mm = standard drawer height). Safety lock guarantees that the drawer will not slide open while the trolley is moving.

Load capacity per drawer 40 kg

9 Sturdy working platform in ABS with three compartments for small parts and raised edge, offers additional store-room. Resistant to oil and acid

1 Strong handle, easy action

10 Central locking for padlock



2

With lockable side storage space with drawers for small parts

3 All-round heel and impact protection for your safety

4 GEDORE high-performance wheels, with tyres that adapt to suit different loading

5 Static load capacity up to 500 kg

### possible accessories

#### Tool trolley 2003 - 2004 - 2005



R 2003

2430

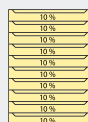
RB 2004

1500-H

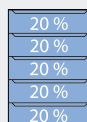
1500 HP

### INDIVIDUAL COMBINATIONS

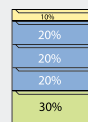
either



or



or

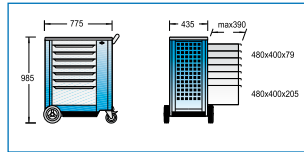


Whatever you wish... .. we can build it

2004 Drawer variations for maximum volume

**2003****TOOL TROLLEY with 7 drawers**

- Single-hand safety locking
- Supplied 2 distance modules 1500 ED-70 K
- Bottom drawer designed as heavy-duty drawer
- Load capacity per drawer 40 kg, bottom heavy-duty drawer 60 kg
- Storage compartment on the handle side with perforated sheet 9 x 33 mm to fix accessories
- Compartment door lockable with central locking
- Four removable drawers for small parts
- Central locking for padlock
- Total load capacity 500 kg



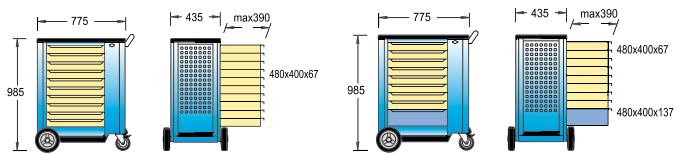
Code	No.	H	W	D	
6630930	<b>2003</b>	985	775	435	82.0

**2004****TOOL TROLLEY**

- Ten different drawer combinations
- Single-hand operation with safety locking which prevents the drawers from opening when in motion
- Bottom drawer designed as heavy-duty drawer
- Load capacity per drawer 40 kg, bottom heavy-duty drawer 60 kg (apart from 2004 1000)
- Storage compartment on the handle side with perforated sheet 9 x 33 mm to fix accessories
- Compartment door lockable with central locking
- Four removable drawers for small parts
- Central locking for padlock
- Total load capacity 500 kg
- Dimensions: H 985 x W 775 x D 435 mm

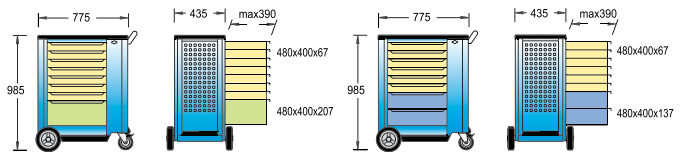


2004 0810



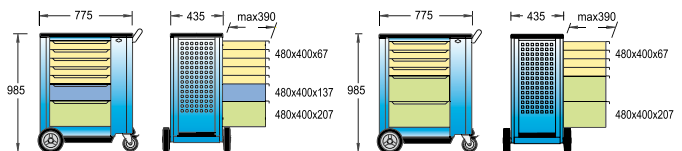
2004 1000

2004 0810



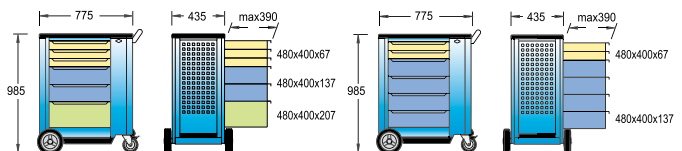
2004 0701

2004 0620



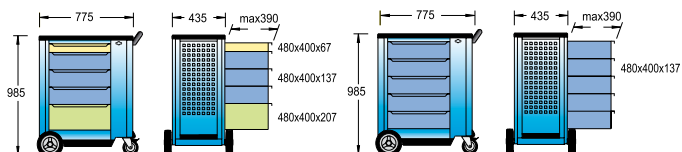
2004 0511

2004 0402



2004 0321

2004 0240



2004 0131

2004 0050

Code	No.	
1640690	<b>2004 1000</b> 10x Typ 1, H = 67 mm	94.0
1640704	<b>2004 0810</b> 8x Typ 1, H = 67 mm 1x Typ 2, H = 137 mm	91.0
1640712	<b>2004 0701</b> 7x Typ 1, H = 67 mm 1x Typ 3, H = 207 mm	86.0
1640720	<b>2004 0620</b> 6x Typ 1, H = 67 mm 2x Typ 2, H = 137 mm	88.0
1640739	<b>2004 0511</b> 5x Typ 1, H = 67 mm 1x Typ 2, H = 137 mm 1x Typ 3, H = 207 mm	84.0
1640747	<b>2004 0402</b> 4x Typ 1, H = 67 mm 2x Typ 3, H = 207 mm	80.0
1640755	<b>2004 0321</b> 3x Typ 1, H = 67 mm 2x Typ 2, H = 137 mm 1x Typ 3, H = 207 mm	82.0
1640771	<b>2004 0240</b> 2x Typ 1, H = 67 mm 4x Typ 2, H = 137 mm	79.0
1640763	<b>2004 0131</b> 1x Typ 1, H = 67 mm 3x Typ 2, H = 137 mm 1x Typ 3, H = 207 mm	75.0
1640798	<b>2004 0050</b> 5x Typ 2, H = 137 mm	76.0



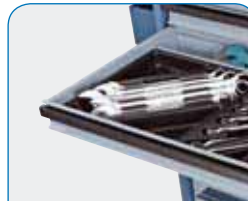
Tool Trolley 2005



Working platform in ABS



Drawers with ball bearings



Extra wide drawers, 100% extendable



Side wall with square perforation

## TOOL TROLLEY 2005

extra wide drawers



- 1 Strong handle, easy action
- 2 Central locking with cylinder lock
- 3 Load capacity per drawer 40 kg, bottom heavy-duty drawer 60 kg
- 4 Drawer combinations and maximum volumes may be selected individually to suit every workshop. 3 drawer sizes (30% - 207 mm, 20% - 137 mm and 10% - 67 mm = standard drawer height). Safety lock guarantees that the drawer will not slide open while the trolley is moving.
- 5 Stable standing secured by total brake
- 6 All-round heel and impact protection for your safety
- 7 Robust chassis and high-performance wheels maintain direction and manoeuvrability even with maximum loads
- 8 Static load capacity up to 500 kg
- 9 Drawers with ball bearings, 100% extendable and all individual partitionable. Delivery includes length- and crosswise dividers
- 10 Both sides fitted with square perforation for hanging tools and accessories
- 11 Sturdy working platform in ABS with three compartments for small parts and raised edge, offers additional store-room. Resistant to oil and acid

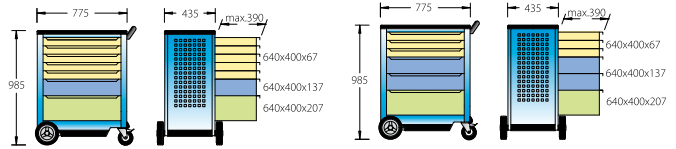




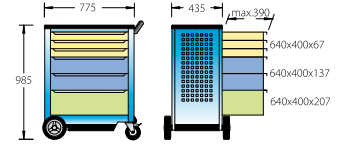
## 2005

### TOOL TROLLEY

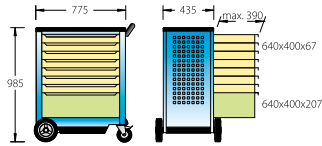
- Wide drawers (W 640 x D 400 mm)
- Single-hand operation with safety locking which prevents the drawers from opening when in motion
- Please order distance module 1500 ED-70 XL for fixing the modules
- Bottom drawer designed as heavy-duty drawer
- Load capacity per drawer 40 kg, bottom heavy-duty drawer 60 kg (apart from 2005 1000)
- Both side walls with square perforation to fix torques wrenches or other long tools and accessories
- Central locking with cylinder lock
- Total load capacity 500 kg
- Dimensions: H 985 x W 775 x D 435 mm



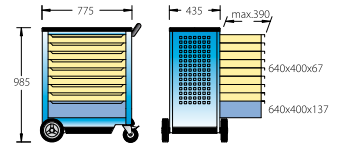
2005 0511



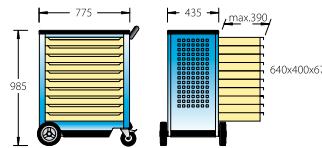
2005 0321



2005 0701



2005 0810



2005 1000

### 1500 HP

#### WOOD PLATE

- Multiplex beech wood, for tool trolleys 2003, 2004 and 2005 and tool chest 2430
- To fit in the plastic top, 30 mm thick, to get an additional work surface

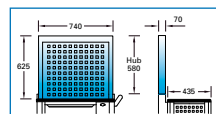


Code	No.	mm	W	D	
1446967	<b>1500 HP</b>	30	590	410	5.0

### R 2003 L

#### REAR PANEL

- Can be attached to 2003, 2004 and 2005
- The complete loaded rear wall can be simply lowered
- Automatically raised by two gas springs
- Neat arrangement of tools on square perforation 9 x 33 mm
- Central locking with cylinder lock
- Delivery without tools



Code	No.	H	W	D	
1446169	<b>R 2003 L</b>	768	770	116	25.0

### RB 2004 L

#### REAR PANEL

- Can be attached to 2003, 2004 and 2005
- Square perforation 9 x 33 mm for tool hooks and holders 1500 H



Code	No.	H	W	D	
1933302	<b>RB 2004 L</b>	700	665	15	5.8

More usable space when using tool hooks and holders 1500 H see pages 61-65

## 2430

### TOOL CHEST

- Designed particularly as top box for trolleys 2003, 2004, 2005
- Working platform in ABS with 3 compartments for small parts
- Three drawers individually partitionable, delivery includes length- and crosswise dividers
- Each drawer suitable to take 4 pieces of 1/3 tool modules no. 1500 ES
- Drawers fully extendable, removable
- Single-hand operation with safety locking which prevents the drawers from opening when in motion
- Load capacity per drawer 40 kg
- Central locking with cylinder lock
- Optional accessory: Wood plate no. 1500 HP



Code	No.	H	W	D	
1888927	<b>2430</b>	345	775	435	23.0



**TOOL TROLLEYS**

- ✔ 1578, 1580, 2000, 2500, 2525
- ✔ Drawers can be individually partitioned, delivery includes length- and crosswise dividers
- ✔ On some models drawers are fitted with safety catches to prevent them from opening when the trolley is moving
- ✔ Central locking depending on model for padlock or cylinder lock
- ✔ GEDORE chassis with high-performance wheels on roller bearings, with 2 fixed castors Ø 140 mm and 2 swivel castors Ø 100 mm, one with total brake
- ✔ In GEDORIT blue, drawers GEDORIT silver, top black
- ✔ Delivery without tools

**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



Code	No.	H	W	D	↕
6624610	<b>KSF 1580</b>	24	420	325	1.6

**1578**

**TOOL TROLLEY with 6 drawers**

- ✔ Working platform in ABS with 3 compartments for small parts
- ✔ With handle for easy pushing, pulling and turning
- ✔ Drawers open either side
- ✔ Load capacity per drawer 22 kg
- ✔ Central locking with cylinder lock
- ✔ With heel protection
- ✔ Total load capacity 200 kg



Code	No.	H	W	D	↕
9018140	<b>1578</b>	930	605	375	43.5

**2000**

**TOOL TROLLEY with 5 drawers**

- ✔ Working platform with ribbed bottom lining
- ✔ With handle for easy pushing, pulling and turning
- ✔ Drawers open either side, ball bearing catches, with middle and end catches
- ✔ Load capacity per drawer 16 kg
- ✔ Central locking for padlock
- ✔ Heel protection and all-round impact protection
- ✔ Trapezoid shape for extra stability, wheels mounted internally
- ✔ Total load capacity 300 kg
- ✔ Optional accessories: Top tool chests 1430, 1431, 1433 L



Code	No.	H	W	D <sub>1</sub>	D <sub>2</sub>	↕
6627710	<b>2000</b>	930	625	400	545	47.0

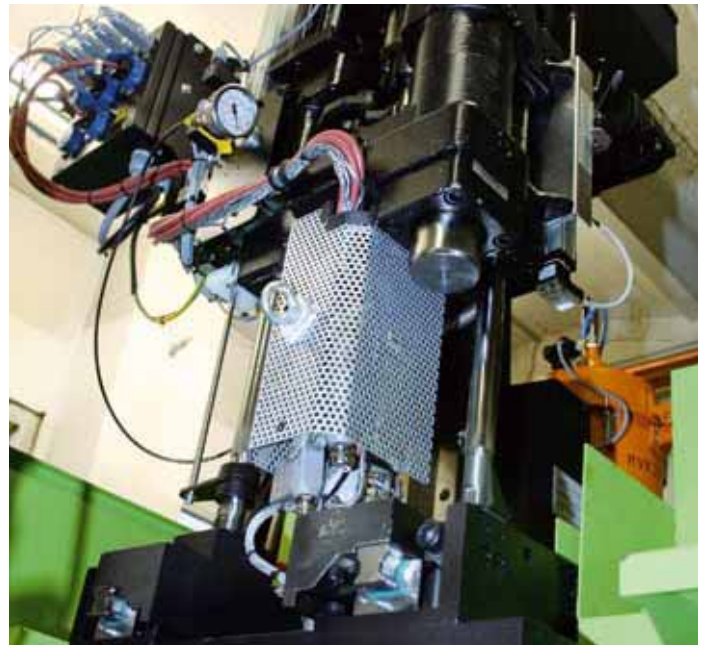
**1580**

**TOOL TROLLEY with 4 drawers**

- ✔ Working platform with ribbed bottom lining
- ✔ With handle for easy pushing, pulling and turning
- ✔ Drawers open either side
- ✔ Ball bearings, with middle and end catches
- ✔ Load capacity per drawer 22 kg
- ✔ Deep storage at base
- ✔ Both sides with square perforation
- ✔ Central locking for padlock
- ✔ Heel protection and all-round impact protection
- ✔ Total load capacity 300 kg
- ✔ Delivery without tools
- ✔ Optional accessories: Top tool chests 1430, 1431, 1433 L

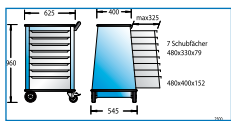


Code	No.	H	W	D	↕
6627550	<b>1580</b>	930	625	400	40.0



**2500****TOOL TROLLEY with 8 drawers**

- Working platform with ribbed bottom lining
- With handle for easy pushing, pulling and turning
- Drawers fully extendable, removable, ball-catch bearings, with middle and end catches
- Single-hand safety locking
- Load capacity per drawer 40 kg
- Central locking with cylinder lock
- Heel protection and all-round impact protection
- Wide-track chassis
- Trapezoid shape for extra stability, wheels mounted internally
- Total load capacity 300 kg
- Optional accessories:  
Top tool chests 1430, 1431, 1433-1072 E5



Code	No.	H	W	D <sub>1</sub>	D <sub>2</sub>	WZ
6171720	<b>2500</b>	960	625	400	545	60.0

**1500 H 7****TRAY**

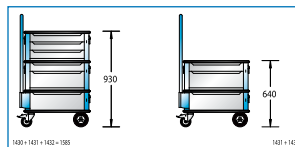
- Will fit on 1580, 1585, 2000, 2500
- A useful tray to increase the working surface, captive coupling to the trolley
- Load capacity approx. 5 kg



Code	No.	H	W	D	WZ	WZ
5792030	<b>1500 H 7</b>	30	370	300	1.6	1

**1585****3-CHEST TOOL TROLLEY MODULAR SYSTEM**

- 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, e.g. 1433-1072 E5
- With plug-in lockable push handle, also suitable for lifting the trolley
- A perforated metal sheet at the handle permits equipping the trolley with tools or parts for installation
- 1432 with ribbed bottom lining, central locking for padlock
- Drawers fully extendable, with single-hand safety locking
- Load capacity per drawer 40 kg
- With heel and impact protection
- Total load capacity 300 kg
- Delivery without tools



1432



1432+1430



1585



Code	No.	WZ
6624290	<b>1585</b>	64.0
6618130	<b>1430</b> 3-Chest tool trolley without tools	22.0
6615030	<b>1431</b> Tool chest with 3 drawers	18.0
6615620	<b>1432</b> Tool chest with 2 drawers	24.0
5801550	<b>1432</b> Tool chest with mobile base	0.5
	<b>1582 HG</b> Hook assortment, 20 pieces	

Detailed information on products,  
promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)

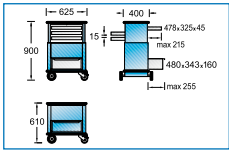




**3010**

**TOOL TROLLEY VARIO with lowering mechanism**

- ✔ Working platform with ribbed bottom lining
- ✔ Lowering mechanism with single-button operation
- ✔ Drawers open either side
- ✔ Ball bearings, with middle and end catches
- ✔ Load capacity per drawer 22 kg
- ✔ Central locking when lowered, secured by padlock
- ✔ Heel protection and all-round impact protection
- ✔ Lifts automatically with up to 25 kg load
- ✔ Automatic lock, to produce a sturdy working surface with over 120 kg load capacity
- ✔ When lowered, total load capacity over 220 kg
- ✔ Delivery without tools



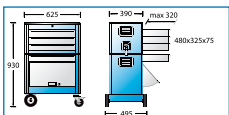
Code	No.	H	W	D	⚖️
6625260	<b>3010</b>	900	625	400	42.0



**2535**

**TOOL TROLLEY DUO with 4 drawers**

- ✔ Working platform in ABS with 3 compartments for small parts
- ✔ Drawers fully extendable, removable
- ✔ Single-hand operation with safety locking which prevents the drawers from opening when in motion
- ✔ Load capacity per drawer 22 kg
- ✔ Separate locking for top and bottom of mobile tool chest with two identical cylinder locks
- ✔ Top and bottom of mobile tool chest joined by quick-action latches for easy separation. Top and bottom each with two carry handles
- ✔ With heel protection, sides with vertical impact protection
- ✔ Total load capacity 250 kg
- ✔ Delivery without tools



Code	No.	H	W	D	⚖️
1892495	<b>2535</b>	930	625	390	50.0

**2525**

**TOOL TROLLEY with 7 drawers**

- ✔ Working platform in ABS with 3 compartments for small parts
- ✔ With handle for easy pushing, pulling and turning
- ✔ Drawers fully extendable, 1-5 individually partitionable
- ✔ Single-hand operation with safety locking which prevents the drawers from opening when in motion
- ✔ Load capacity per drawer 22 kg
- ✔ 2 perforated side walls, mounted inwards to fit with accessories
- ✔ Delivery includes tray for small parts and 10-piece hook assortment
- ✔ Central locking with cylinder lock
- ✔ With heel protection, sides with vertical impact protection
- ✔ Total load capacity 250 kg
- ✔ Delivery without tools
- ✔ Optional accessory: Wood plate no. 2525 HP



Code	No.	H	W	D	⚖️
1587102	<b>2525</b>	930	720	395	60.0

**2545 - 2546 - 2550**

**TOOL TROLLEY AND TOOL CHEST**

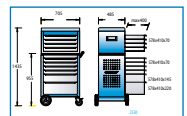
- ✔ Single-hand operation with safety locking which prevents the drawers from opening when in motion
- ✔ Load capacity per drawer 35 kg
- ✔ Central locking with cylinder lock

**2545**

- ✔ Working platform in ABS with 4 compartments for small parts
- ✔ With handle for easy pushing, pulling and turning
- ✔ 7 drawers fully extendable
- ✔ 3 perforated side walls to fit with accessories
- ✔ Rear side with space for storage
- ✔ GEDORE heavy-duty chassis with high-performance wheels on roller bearings, with 2 fixed castors Ø 200 mm and 2 swivel castors Ø 125 mm, one with total brake
- ✔ With heel protection and vertical impact protection
- ✔ Total load capacity 330 kg

**2546**

- ✔ Ribbed bottom lining
- ✔ 4 drawers fully extendable
- ✔ Roomy storage compartment with document partition
- ✔ Pneumatic soft opening and closing of lid
- ✔ Total load capacity 120 kg
- ✔ Delivery without tools



Code	No.	H	W	D	⚖️
1942980	<b>2545</b>	955	705	485	77.0
1942999	<b>2546</b>	495	705	485	45.0
1942972	<b>2550</b>	1435	705	485	122.0





# TOOL TROLLEY TANTO 3000

## 3000

### TOOL TROLLEY TANTO with 7 drawers

- Working platform in ABS with 4 compartments for small parts
- Drawers fully extendable, removable, ball bearings
- Drawers 1-6 individually partitionable, delivery includes 8 length- and 2 crosswise dividers and 2 anti-slip mats
- Single-hand operation with safety locking which prevents the drawers from opening when in motion
- Load capacity per drawer 40 kg
- Large capacity drawer for bulky parts
- Deep rear shelf with perforated wall 9 x 33 mm to fix accessories
- Central locking for padlock
- With heel protection and safety shock absorber
- GEDORE wide-track chassis with high-performance wheels on roller bearings, with 2 fixed castors Ø 200 mm and 2 swivel castors Ø 125 mm, one with total brake
- Total load capacity 400 kg
- In GEDORIT blue, drawers GEDORIT silver, top black
- Delivery without tools



Code	No.	H	W	D	⚙️
6624880	<b>3000</b>	920	585	485	67.0

## 1500 H 14

### DOOR ELEMENT for TANTO 3000

- For later installation
- Assembly materials are supplied
- Delivery without tools



Code	No.	⚙️
5809880	<b>1500 H 14</b>	4.0

## 1500 H 9

### TRAY

- 1500 H 9-75 can be fitted in connection with door element 1500 H 14



Code	No.	W	H	D	⚙️
1446924	<b>1500 H 9-75</b>	456	50	75	840
5792540	<b>1500 H 9-100</b>	456	50	100	960



## 1500 H 10

### TRAY

- 1500 H 10-75 can be fitted in connection with door element 1500 H 14

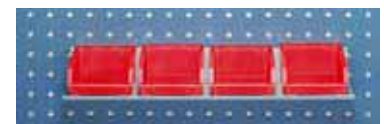


Code	No.	W	H	D	⚙️
1446932	<b>1500 H 10-75</b>	456	50	75	840
5792620	<b>1500 H 10-100</b>	456	50	100	960

## 1500 H 11

### TRAY

- With 4 plastic cases 1500 H-11/3, for holding larger quantities of working materials
- Cannot be fitted in connection with door element 1500 H 14



Code	No.	W	H	D	⚙️
5792700	<b>1500 H 11</b>	456	55	95	655

## 1500 H 8

### HOLDER



Code	No.	W	Ø	⚙️
5792460	<b>1500 H 8</b>	456	5	150



**S 1012 M**

**TOOL ASSORTMENT 72 pieces**

- Designed to fit fully extendable drawers of tool trolley 3000 TANTO
- Incl. 2 deep-drawn modules



Code	No.	Weight
6603450	<b>S 1012 M</b> <b>1. drawer:</b> 7-017 <b>19 WMU-10</b> (only contents) <b>IN 19 6 7 8 10 12 14</b> <b>PH 42-88</b>  <b>2. drawer:</b> 137 10 143 10 C 225 E-32 100-12 99 12-5 97-175 98-125 119-3 4 8250-200 JC 8316-200 JC 600 H-500 2150 4 5,5 6,5 2160 PH 1 2	10.0

**TOP TOOL CHESTS**

- Suitable for all GEDORE tool trolleys with a work surface of W 625 x D 400 mm
- Drawers fully extendable
- Supplied with length- and crosswise dividers
- Delivery without tools

**1430**

**TOOL CHEST**

- Will fit GEDORE trolleys 1580, 1585, 2000, 2500, 3010



Code	No.	H	W	D	Weight
6618130	<b>1430</b>	305	625	400	22.0

**1431**

**TOOL CHEST**

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

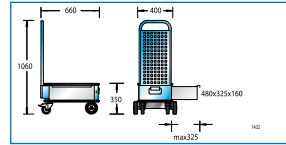


Code	No.	H	W	D	Weight
6615030	<b>1431</b>	305	625	400	18.0

**1432**

**TOOL CHEST WITH MOBILE BASE with 1 drawer**

- With detachable push handle, also suitable for lifting the trolley
- With perforated metal sheet at the handle
- For further details see trolley 1585
- Carrying capacity 300 kg

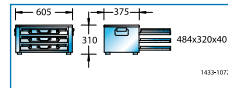


Code	No.	H	W	D	Weight
6615620	<b>1432</b>	1060	660	400	24.0

**1433-1072 ES**

**TOOL CHEST for mobile use**

- Tool chest 1433 L including 3 modular tool boxes 1072 ES-1500 L
- Open at front, central locking with turnlock fastener for a padlock
- Particularly suitable for use in combination with chassis 1432 for mobile use



Code	No.	H	W	D	Weight
1482483	<b>1433-1072 ES</b>	305	625	400	20.4
6627200	<b>1433 L</b>	305	625	400	16.0

**1072 ES**

**TOOL MODULE EMPTY**

- For tool modules 1500 ES
- Fits into tool chest 1433 L, can be used as a service tool case
- Delivery without tools



Code	No.	W	D	H	Weight
6602990	<b>1072 ES-1500 L</b>	480	330	70	2.8

**1072 K**

**TOOL BOX**

- In stable sheet steel
- With deep-drawn plastic insert with 19 compartments
- Fits into tool chest 1433 L
- (Ill. similar)

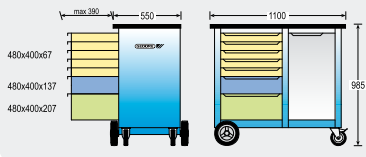


Code	No.	W	D	H	Weight
1920049	<b>1072 K-19</b>	480	330	70	4.1



# WORKBENCHES

## TECHNOLOGY



## OPTIONAL ACCESSORIES



R 1504 L

7 Ball-bearing drawer slides with individually latching drawers

6 High-performance wheels GEDORE chassis



Central locking

Powder coating

Smooth running wheels with total brake

All-round heel protection

1504 0511

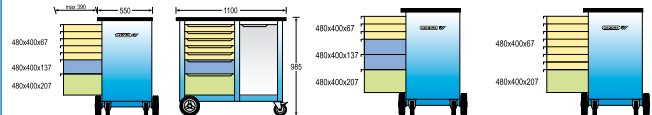
## MOBILE WORKBENCHES

- Multiplax beech wood worktop, surface additionally protected by linseed oil varnish
- Drawers individually partitionable, delivery includes length- and crosswise dividers as well as 2 distance modules no. 1500 ED-70 K
- Ball bearings
- Bottom drawer designed as heavy-duty drawer
- Load capacity per drawer 40 kg, bottom heavy-duty drawer 60 kg
- Central locking for padlock
- With heel protection
- In GEDORIT blue, drawers GEDORIT silver
- Delivery without tools

## 1504

### MOBILE WORKBENCH

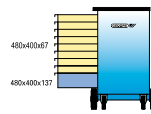
- Five different drawer combinations
- Drawers fully extendable
- Single-hand operation with safety locking which prevents the drawers from opening when in motion
- Bottom drawer designed as heavy-duty drawer
- Load capacity per drawer 40 kg, bottom heavy-duty drawer 60 kg (apart from 1504 1000)
- Large useable storage space with lockable door
- GEDORE heavy-duty chassis with high-performance wheels on roller bearings, with 2 fixed castors Ø 200 mm and 2 swivel castors Ø 125 mm with total brake
- Static load capacity 700 kg, 500 kg when mobile
- Dimensions: H 985 x W 1100 x D 550 mm
- Model S with vice no. 411-125
- Optional fold-down rear panel no. R 1504 L can be fitted



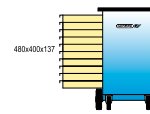
1504 0511 + 1504 0511 S

1504 0321

1504 0701



1504 0810



1504 1000



1504 0511

1504 0321



1504 0701



1504 0810



1504 1000

## 1502

### MOBILE WORKBENCH

- Six drawers fully extendable
- Single-hand safety locking
- Bottom drawer designed as heavy-duty drawer
- Load capacity per drawer 40 kg, bottom heavy-duty drawer 60 kg
- Large, easily-accessible spaces for bulky parts
- GEDORE heavy-duty chassis with high-performance wheels on roller bearings, with 2 fixed castors Ø 200 mm and 2 swivel castors Ø 125 mm with total brake
- Static load capacity 700 kg, 500 kg when mobile
- Dimensions: H 875 x W 950 x D 550 mm
- Model S with vice no. 409



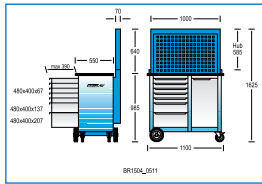
Code	No.	Weight
6620540	<b>1502</b> Mobile workbench	78.0
6620620	<b>1502 S</b> Mobile workbench with vice	85.0

Code	No.	Weight
6622830	<b>1504 0511</b> 5x Typ 1, H = 67 mm, 1x Typ 2, H = 137 mm, 1x Typ 3, H = 207 mm	100.0
6623050	<b>1504 0511 S</b> 5x Typ 1, H = 67 mm, 1x Typ 2, H = 137 mm, 1x Typ 3, H = 207 mm	102.2
1814958	<b>1504 0321</b> 3x Typ 1, H = 67 mm, 2x Typ 2, H = 137 mm, 1x Typ 3, H = 207 mm	96.0
1814931	<b>1504 0701</b> 7x Typ 1, H = 67 mm, 1x Typ 3, H = 207 mm	99.0
1814923	<b>1504 0810</b> 8x Typ 1, H = 67 mm, 1x Typ 2, H = 137 mm	106.0
1814915	<b>1504 1000</b> 10x Typ 1, H = 67 mm	110.0



**BR 1504**

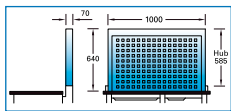
- MOBILE WORKBENCH with self raising rear panel**
- As no. 1504 0511, but with installed rear panel no. R 1504
  - Automatically raised by 2 gas springs
  - The complete loaded rear wall can be simply lowered
  - Dimensions: H 985 x W 1100 x D 550 mm
  - Model LH with hook assortment no. 1504 HG
  - Model S with vice no. 411-125



Code	No.	Icon
6624450	<b>BR 1504 0511 L</b> Workbench with rear panel	128.0
6623990	<b>BR 1504 0511 LH</b> Workbench with rear panel + hook assortment	130.0
6624370	<b>BR 1504 0511 S</b> Workbench with rear panel + vice	130.0

**R 1504 L**

- REAR PANEL**
- For fitting as an add-on, e.g. to 1504 or 1505 workbench
  - Automatically raised by two gas springs
  - Neat arrangement of tools
  - Dimensions: W 1000 x D 70 mm
  - Execution LH with hook assortment No. 1504 HG

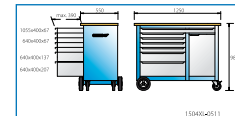


Code	No.	Icon
6623800	<b>R 1504 L</b> Rear panel empty	21.0
6624020	<b>R 1504 LH</b> Rear panel with hook assortment	23.0



**1504 XL**

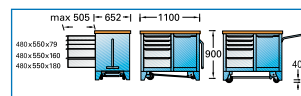
- MOBILE WORKBENCH EXTRA WIDTH**
- One XL drawer for long tools or 6 tool modules (1/3 modules)
  - Drawers fully extendable
  - Single-hand operation with safety locking which prevents the drawers from opening when in motion
  - Bottom drawer designed as heavy-duty drawer
  - Load capacity per drawer 40 kg, bottom heavy-duty drawer 60 kg
  - Large useable storage space with lockable door
  - Central locking with cylinder lock
  - GEDORE heavy-duty chassis with high-performance wheels on roller bearings, with 2 fixed castors Ø 200 mm and 2 swivel castors Ø 125 mm with total brake
  - Static load capacity 700 kg, 500 kg when mobile
  - Dimensions: H 985 x W 1250 x D 550 mm



Code	Icon	Icon	Icon
1988468	5x type 1, H = 67 mm 1x type 2, H = 137 mm 1x type 3, H = 207 mm	120.0	Icon

**1505**

- MOBILE WORKBENCH**
- Ergonomic working height
  - Five drawers, extendable up to 505 mm, with single-hand safety locking
  - Load capacity per drawer 40 kg
  - Large, lockable cupboard with shelf
  - GEDORE Jumbo heavy-duty chassis with independent wheel suspension - sturdy and mobile
  - With hydraulic raising mechanism - just lift the pull handle
  - High floor clearance for easy, safe movement and absolutely stable standing
  - Static load capacity 1000 kg, 500 kg when mobile
  - Dimensions: H 900 x W 1100 x D 652 mm
  - Model S with vice no. 411-150
  - Prepared for mounting rear panel no. R 1504 L



Code	No.	Icon
6621780	<b>1505</b> Mobile workbench	138.0
6621860	<b>1505 S</b> Mobile workbench with vice	156.5

Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)



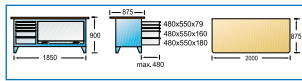


## WORKBENCHES

### B 1500 L

#### WORKBENCH with sheet metal shutter

- 40 mm thick multiplex beech wood worktop
- Five drawers, extendable up to 505 mm, individually partitionable, delivery includes length- and crosswise dividers
- Drawers removable
- Load capacity per drawer 40 kg
- Open space for storage, secured with strong metal shutter
- Separate locking of drawers and shutter by cylinder locks
- In GEDORIT blue, drawers GEDORIT silver



Code	No.	H	W	D	Weight
6618050	<b>B 1500 L</b>	900	2000	875	166.0

### R 1500 L

#### TOOL CABINET

- Suitable as workbench top
- Sheet steel construction
- With metal shutter lockable by cylinder lock
- Model LH with hook assortment no. 1500 HS 23
- In GEDORIT blue, shutter GEDORIT silver
- Delivery without tools

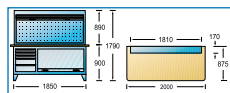


Code	No.	H	W	D	Weight
6617910	<b>R 1500 L</b>	890	1810	170	56.0
6619100	<b>R 1500 LH</b>	890	1810	170	59.2

### BR 1500 LH

#### WORKBENCH WITH TOOL CABINET

- As No. B 1500 L, but with installed tool cabinet R 1500 LH
- Includes hook assortment 1500 HS 23
- Delivery without tools



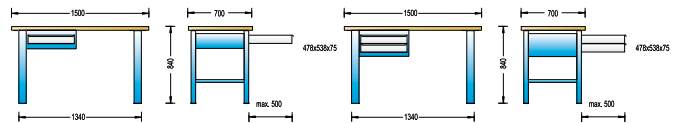
Code	No.	H	W	D	Weight
6618210	<b>BR 1500 LH</b>	1790	2000	875	203.7

## WORKBENCHES SELF-ASSEMBLY RANGE

- 40 mm thick multiplex beech wood worktop
- With 1 to 4 drawers, front panel height 90 mm
- Drawer dimensions: W 480 x D 535 x H 75 mm
- Drawers fully extendable, removable
- Individually partitionable, delivery includes length- and crosswise dividers
- Load capacity per drawer 35 kg
- Drawer cabinet can be mounted either right or left
- Central locking with cylinder lock
- Workbench stands made from U-steel section and includes floor mounting plate
- In GEDORIT blue, drawers GEDORIT silver
- Delivery disassembled, for self-assembly, mounting material included

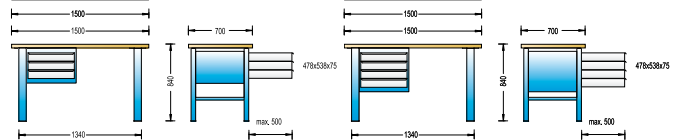
### B 1510

#### WORKBENCH WITH DRAWER CABINET



B 1510-1

B 1510-2



B 1510-3

B 1510-4

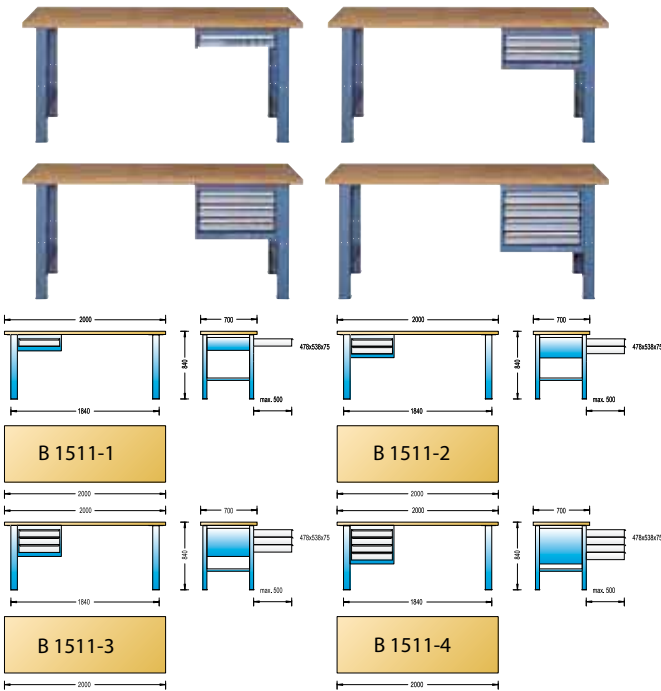
Code	No.	H	W	D	Weight
1955713	<b>B 1510-1</b> 1 90	840	1500	700	59.0
1955721	<b>B 1510-2</b> 2 90	840	1500	700	68.0
1955748	<b>B 1510-3</b> 3 90	840	1500	700	75.0
1955756	<b>B 1510-4</b> 4 90	840	1500	700	86.0





**B 1511**

**WORKBENCH WITH DRAWER CABINET**



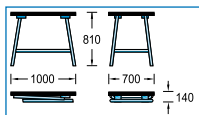
Code	No.	H	W	D	☞☞
1955764	<b>B 1511-1</b> 1 ☞ 90	840	2000	700	69.0
1955772	<b>B 1511-2</b> 2 ☞ 90	840	2000	700	78.0
1955780	<b>B 1511-3</b> 3 ☞ 90	840	2000	700	85.0
1955799	<b>B 1511-4</b> 4 ☞ 90	840	2000	700	96.0

**FOLDING WORKBENCH**

**B 1525**

**FOLDING WORKBENCH**

- Stable hinged workbench, needs little space when folded
- Strong beech wood worktop with zinc-plated steel edge protector - corrosion resistant
- Base made from steel tube
- Load capacity 500 kg
- GEDORIT blue



Code	No.	H	W	D	☞☞
6622910	<b>B 1525</b>	810	1000	700	32.0

**DRAWER CABINETS**

**1405**

**DRAWER CABINET**

- Drawers fully extendable
- With mechanical interlock system that allows only one drawer to open at a time
- Drawer size inside: 612 x 612 mm
- Dimensions: H 1000 x W 697 x D 695 mm



1405-5



1405-7



1405-8



1405-10

Code	No.	☞☞
1958224	<b>1405-5</b> 5 ☞ 3x 150 2x 225	88.0
1958232	<b>1405-7</b> 7 ☞ 3x 75 3x 150 1x 225	100.0
1958240	<b>1405-8</b> 8 ☞ 4x 75 4x 150	106.0
1958259	<b>1405-10</b> 10 ☞ 8x 75 2x 150	118.0

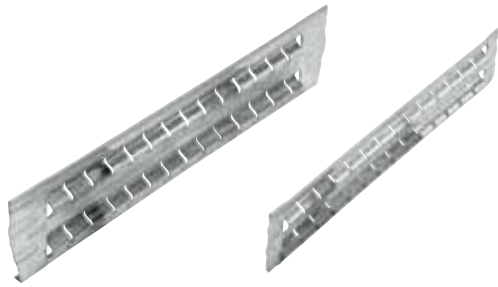




## DRAWER PARTITIONS

### E-1500 - E-3000

#### LENGTHWISE DIVIDER slotted



Code	No.	L	H	for use with	☞☞
5325840	<b>E-1580/14</b>	317	42	1580, 2000, 3010	130
5326570	<b>E-2500/62</b>	320	60	2500 (1-7), 1431 (1), 1430	190
5325920	<b>E-3000/36</b>	346	60	3000 (1-6)	200
1886932	<b>E-2005 KL/42</b>	395	60	2005, 1504 XL, 2430	235
5326490	<b>E-1504 KL/57</b>	397	60	1502 (1-5), 1504 (1-6), 2003 (1-6), 2004 (type 1)	240
5315880	<b>E-B 1500/38</b>	548	60	B 1500 (1-3), 1505 (1-3)	320

### E-1580

#### CROSSWISE DIVIDER

☛ Usage: 1580, 2000, 3010



Code	No.	L	H	☞☞
1394878	<b>E-1580/11-40</b>	40	40	12
5325760	<b>E-1580/11-80</b>	80	40	25
5326140	<b>E-1580/11-120</b>	120	40	40

### E-3000

#### CROSSWISE DIVIDER

☛ Usage: 1430, 1431 (1), B 1500 (1-3), 1502 (1-5), 1504 (1-6), 1504 XL, 1505 (1-3), 2003 (1-6), 2004 (type 1), 2430, 2005 (type 1), 2430, 2500 (1-7), 3000



Code	No.	L	H	☞☞
5326060	<b>E-3000/37-80</b>	80	55	35
5326220	<b>E-3000/37-120</b>	120	55	50

## TOOL CABINETS

### 1400

#### TOOL CABINET

- ☛ Stable sheet steel construction with fittings for tool assortment S 1400
- ☛ Including modules 1500 E-1993 L and 1500 E-19 L
- ☛ With safety lock
- ☛ Dimensions: H 970 x W 650 x D 250 mm



Code	No.	☞☞
6612600	<b>1400 L</b> Cabinet empty	29.0
6613250	<b>1400 GM</b> Cabinet 1400 L + assortment S 1400 GM	46.7
6613330	<b>1400 GZM</b> Cabinet 1400 L + assortments S 1400 GM + ZM	57.4
6613410	<b>1400 GA</b> Cabinet 1400 L + assortment S 1400 GA	46.6
6613680	<b>1400 GZA</b> Cabinet 1400 L + assortments S 1400 GA + ZA	57.4

### 1401

#### TOOL CABINET

- ☛ Stable sheet steel construction with perforated lining
- ☛ Including modules 1500 E-1993 L and 1500 E-19 L
- ☛ With safety lock
- ☛ Dimensions: H 970 x W 650 x D 250 mm



Code	No.	☞☞
5610610	<b>1401 L</b> Cabinet empty	29.0
6611550	<b>1401 LH</b> Cabinet 1401 L + hook assortment 1500 HS 11	34.0
6611630	<b>1401 GM</b> Cabinet 1401 L + hook assortment 1500 HS 11 + assortment S 1400 GM	48.0
6611710	<b>1401 GZM</b> Cabinet 1401 L + hook assortment 1500 HS 11 + assortments S 1400 GM + ZM	58.0
6611980	<b>1401 GA</b> Cabinet 1401 L + hook assortment 1500 HS 11 + assortment S 1400 GA	47.0
6612010	<b>1401 GZA</b> Cabinet 1401 L + hook assortment 1500 HS 11 + assortments S 1400 GA + ZA	57.0

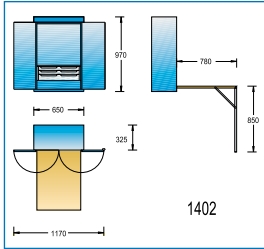




**1402**

**TOOL CABINET**

- ✔ With integrated, fold-out table
- ✔ Cabinet: H 970 x W 650 x D 325 mm
- ✔ Table W 780 x H 850 mm



Code	No.	Weight
1657488	<b>1402 L</b> Cabinet empty	56.0
1761188	<b>1402 LH</b> Cabinet 1402 L + hook assortment 1500 HS 11	58.0
1761196	<b>1402 GM</b> Cabinet 1402 L + hook assortment 1500 HS 11 + assortment S 1400 GM	75.7
1761218	<b>1402 GZM</b> Cabinet 1402 L + hook assortment 1500 HS 11 + assortments S 1400 GM + ZM	86.4
1761226	<b>1402 GA</b> Cabinet 1402 L + hook assortment 1500 HS 11 + assortment S 1400 GA	75.7
1761234	<b>1402 GZA</b> Cabinet 1402 L + hook assortment 1500 HS 11 + assortments S 1400 GA + ZA	86.4



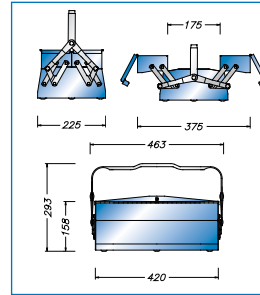
**TOOL BOXES**

- ✔ With riveted joints
- ✔ Compartments to be fully pulled out
- ✔ Great stability even if only one side is opened
- ✔ Blue stove enamelled
- ✔ Tools not supplied

**1263**

**TOOL BOX 3 compartments**

- ✔ Dimensions: H 158 x W 420 x D 225 mm

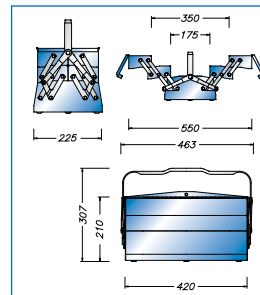


Code	No.	Weight
6608250	<b>1263 L</b> Tool box empty	4.6
6608330	<b>1263-1151 M</b> Tool box 1263 L + assortment S 1151 M	15.8
6608410	<b>1263-1151 A</b> Tool box 1263 L + assortment S 1151 A	15.8

**1265**

**TOOL BOX 5 compartments**

- ✔ Dimensions: H 210 x W 420 x D 225 mm

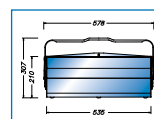


Code	No.	Weight
6609060	<b>1265 L</b> Tool box empty	6.1
6609140	<b>1265-1151 M</b> Tool box 1265 L + assortment S 1151 M	17.3
6609220	<b>1265-1151 A</b> Tool box 1265 L + assortment S 1151 A	17.3

**1335**

**TOOL BOX 5 compartments, long pattern**

- ✔ Dimensions: H 210 x W 535 x D 225 mm



Code	No.	Weight
6610580	<b>1335 L</b> Tool box empty	6.3
6610660	<b>1335-1151 M</b> Tool box 1335 L + assortment S 1151 M	18.5
6610740	<b>1335-1151 A</b> Tool box 1335 L + assortment S 1151 A	18.5





## TOOL BOXES

### 1370 Z

#### TOOL BOX

- ▶ In special zinc-plated sheet steel for optimum protection against corrosion
- ▶ With removable small-parts compartment ES 1370 Z and carrying strap E-1370
- ▶ Delivery without tools



Code	No.	H	W	D	
1497677	<b>1370 Z</b>	224	554	201.5	4.3
1497634	<b>ES 1370 Z</b>	69	179	167.0	0.6
5600300	<b>E-1370</b>				0.1

### 1440

#### TOOL BOX JUMBO

- ▶ Special lining and waterproof joints, with extra strong fittings (apart from 1440-45, 1440-64)
- ▶ Removable tray for small parts ES 1440 (available separately)
- ▶ Please order separately transport frame 1441 Z
- ▶ 1440-45 without small parts tray
- ▶ Max. loading 150 kg



Code	No.	H	W	D	
6612440	<b>1440-45</b>	230	450	230	4.0
6611040	<b>1440-64</b>	230	640	230	8.0
6616510	<b>1440-70</b>	320	698	387	17.0
6616780	<b>1440-83</b>	340	841	427	23.0
6616860	<b>1440-91</b>	440	918	537	33.0
6616940	<b>1440-100</b>	320	998	387	25.0
6611120	<b>ES 1440-64</b>				1.6
6616000	<b>ES 1440-70</b>				1.2
6616190	<b>ES 1440-83</b>				1.5
6616270	<b>ES 1440-91</b>				1.6
6616350	<b>ES 1440-100</b>				1.8



## TOOL CHESTS

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

### 1410 L

#### TOOL CHEST

- ▶ 3 large and 3 small drawers
- ▶ With carrying tray
- ▶ Particularly suitable for tool assortments S 1002 M and S 1005 A
- ▶ Dimensions: H 364 x W 663 x D 308 mm
- ▶ Delivery without tools



Code	No.	H	W	D	
6614300	<b>1410 L</b>	364	663	308	25.5

### 1420 L

#### TOOL CHEST

- ▶ 3 large drawers
- ▶ With carrying tray
- ▶ Particularly suitable for tool assortments S 1002 M and S 1005 A
- ▶ Dimensions: H 298 x W 610 x D 265 mm
- ▶ Delivery without tools



Code	No.	H	W	D	
6615700	<b>1420 L</b>	298	610	265	17.0



**1440 Z**

**TOOL BOX JUMBO zinc-plated**

- ✔ Lockable through padlock
- ✔ Toolbox interior lined for extra protection
- ✔ Pull out tooltray for small parts (ES 1440)
- ✔ Max. loading 150 kg
- ✔ Suitable for mobile use in combination with chassis 1441 Z
- ✔ Delivery without tools



Code	No.	H	W	D	🚚
6628280	<b>1440 Z-70</b>	320	698	387	17.0
6628360	<b>1440 Z-83</b>	340	841	427	23.0
6629170	<b>1440 Z-91</b>	440	918	537	33.0
6629250	<b>1440 Z-100</b>	320	998	387	25.0

**1441 Z**

**TRANSPORT FRAME zinc-plated**

- ✔ Makes the tool boxes JUMBO 1440 / 1440 Z mobile
- ✔ With 4 castors, 2 of them with brake
- ✔ Delivery dismantled, for self-assembly



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



**ROLLER TOOL CASES / TOOL CASES**

- ✔ Frame made from aluminium profiles, body from tough, impact-resistant ABS
- ✔ When open, the case lid hinges lock in place to prevent unintentional closing
- ✔ Document partition in the lid
- ✔ The case body can be individually compartmentalised with lengthwise and crosswise dividers
- ✔ Equipped with push-fit compartments and the GEDORE "Cliptool system", enabling individualised arrangement of the tool holders
- ✔ Lockable with two tilt cylinder locks
- ✔ Tools not supplied

**1014 L**

**ROLLER TOOL CASE SILVER**

- ✔ 4x telescopic grip extending max. length: 1 metre
- ✔ Widely spaced wheels and large ball-bearing-mounted smooth-running wheels ensure the case can be pushed or pulled without tipping
- ✔ Internal dimensions: 470 x 210 x 360 mm
- ✔ Carrying capacity: 40 kg
- ✔ Tools not supplied



Code	No.	🚚
1946315	<b>1014 L</b>	6.8

**1015 L**

**ROLLER TOOL CASE BLACK**

- ✔ 4x telescopic grip extending max. length: 1 metre
- ✔ Widely spaced wheels and large ball-bearing-mounted smooth-running wheels ensure the case can be pushed or pulled without tipping
- ✔ Internal dimensions: 470 x 210 x 360 mm
- ✔ Carrying capacity: 40 kg
- ✔ Tools not supplied



Code	No.	🚚
1946323	<b>1015 L</b>	6.8



### 1016 L

#### TOOL CASE

- Ground slides ensure tilt-secure standing, and also protect sensitive surfaces
- Internal dimensions: 460 x 165 x 310 mm
- Carrying capacity: 30 kg
- Tools not supplied



Code	No.	
1946331	<b>1016 L</b>	4.7

### 1018 L

#### TOOL CASE

- Ground slides ensure tilt-secure standing, and also protect sensitive surfaces
- Internal dimensions: 470 x 180 x 360 mm
- Carrying capacity: 30 kg
- Tools not supplied



Code	No.	
1946358	<b>1018 L</b>	5.1

## TOOL ASSORTMENTS

### 1000

#### TOOL CASE TOURING 47 pieces

- Tough case made from impact resistant plastic
- Tools laid out in foam cut out tool control system
- No. 1000 = set with case
- No. S 1000 = set without case



S 1000



1000



Code	No.	Contents	
6600780	<b>1000</b>	47 tools in case	6.7
6600190	<b>S 1000</b>	47 tools without case	5.1

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
	1987
	1995
	1993 U -10 T
	42 2 (5/64AF) 2,5 3 4 5 6 8 10
	2150 4 5,5 6,5
	2160 PH 1 2
	2170 3
	4610
	4615 3
	4522
	50 MH
	145 10 C
	8210 -180 JC
	8316 -160 JC
	600 H -300
	E-1000 P



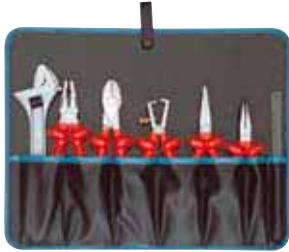


**TOOL ASSORTMENTS**

**1090**

**TOOL CASE ELECTRICIAN 90 pieces**

- ▶ Strong, impact-resistant plastic case with aluminium frame
- ▶ Dimensions: W 460 x D 380 x H 200 mm
- ▶ No. 1090 = set with case
- ▶ No. S 1090 = set without case
- ▶ No. WK 1090 L = case empty



1090



1090
















1090















1090

Code	No.	Contents	Weight
6601590	<b>1090</b>	90 tools in case	11.7
6601400	<b>S 1090</b>	90 tools without case	7.5
5600060	<b>WK 1090 L</b>	Case empty	4.2

Contents	No.
	<b>401</b>
	<b>401 A</b> [10x]
	<b>6</b> 14x17 18x19 21x23 22x24
	<b>8</b> 4 4,5 5,5 6 7 8 9 10 11 12 13
	<b>20</b> 4 4,5 5 5,5 6 7 8 9 10 11 13
	<b>2087</b>
	<b>2095</b>
	<b>2098</b>
	<b>2090</b> -4
	<b>2093 U</b> -3
	<b>42</b> 2 (5/64AF) 2,5 3 4 5 6 7 8 10
	<b>60 CP</b> 10
	<b>156 S</b>

Contents	No.
	<b>2153</b> 5,5
	<b>2161 PH</b> 1
	<b>2160 PZ</b> 1 2
	<b>VDE 2160 PH</b> 1 2
	<b>VDE 2170</b> 3,5 4 5,5 6,5
	<b>4615</b> 3,5
	<b>173</b> 5,5 8
	<b>174</b> 1
	<b>745</b>
	<b>4522</b>
	<b>4534</b> -3
	<b>145</b> 10 JC
	<b>8096</b> -140

Contents	No.
	<b>VDE 8098</b> -160
	<b>VDE 8120</b> -160
	<b>VDE 8250</b> -180
	<b>VDE 8132 AB</b> -160
	<b>VDE 8316</b> -200
	<b>95</b> -175
	<b>99</b> 10-2 10-4
	<b>101</b>
	<b>112 A</b> -250
	<b>112 S</b>
	<b>600 H</b> -300
	<b>72 H</b> -100
	<b>E-1090 LK LZ LF LS</b>



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**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 stable carrying handle
- Anti-theft protection due to two lockable notches, delivery includes two keys
- Document partition
- Interior measurements 430 x 200 x 290 mm
- No. 1091 = set with case
- No. WK 1091 L = case empty



Code	No.	Contents	
1953710	<b>1091</b>	18 tools in case	13.2
1953729	<b>WK 1091 L</b>	Case empty	4.2

Contents	
	<b>VDE 2133</b> 7 8 10
	<b>VDE 2160 PH</b> 1 2 3
	<b>VDE 2170</b> 3 4 5,5
	<b>4528</b>
	<b>4533</b> -2
	<b>VDE 4614</b>
	<b>4629</b>

Contents	
	<b>8097</b>
	<b>VDE 8132</b> -160 H
	<b>VDE 8250</b> -180 H
	<b>VDE 8316</b> -180 H
	<b>E-1091 ST</b>

**1050 M****TOOL ASSORTMENT AUTODOCTOR 29 pieces**

- In wallet
- Set in metric sizes
- No. 1050 M = set in wallet
- No. S 1050 M = set without wallet



S 1050 M

1050 M

Code	No.	Contents	
6604770	<b>1050 M</b>	29 tools in wallet	3.2
6604850	<b>S 1050 M</b>	29 tools without wallet	3.0

Contents	
	<b>7 8 10 12 13 14 17 19</b>
	<b>49 D 49 R</b>
	<b>145 10 C</b>
	<b>4522</b>
	<b>8250</b> -180 JC
	<b>600 H</b> -300
	<b>2150</b> 4 5,5 6,5
	<b>2160 PH 2</b>



**501 M**

**BASIC TOOL SET 29 pieces**

- ✔ In practical black leather case with zip fastener
- ✔ Dimensions: W 300 x D 260 x H 45 mm
- ✔ Tools in metric sizes



Code	No.	Contents	
6511090	<b>501 M</b>	29 tools in metric sizes	2.1

	Contents
	7 10 11 12 13 17 19
	142 10 TL
	647
	4629
	8210 -160 JC
	600 H -200
	2150 4 5,5 6,5
	2160 PH 1 2
	2170 3
	<b>E-501 ST</b>



**1060**

**TOOL ASSORTMENT FOR TRUCKS 41 pieces**

- ✔ In stable sheet steel case, GEDORIT blue, dimensions: W 690 x D 230 x H 100 mm
- ✔ No. 1060 = set with case
- ✔ No. S 1060 = set without case



Code	No.	Contents	
6605150	<b>1060</b>	41 tools in case	17.0
6605230	<b>S 1060</b>	41 tools without case	8.0

	Contents
	2 8x9 10x11 12x13 17x19 22x24 27x30 32x36
	6 8x9 10x11 12x13 14x15 17x19 22x24 27x30 27x32 32x36
	7 13 17 19
	27 24x27 30x32
	27 D
	39
	137 10
	145 10 C

	Contents
	147 5,5 7 10
	99 12-6
	97 -200
	4522
	4610
	4629

	Contents
	8250 -180 JC
	8316 -160 JC
	600 H -400 -1500
	8719 2-8
	2160 PH 1 2
	2170 3

**S 1020 M****TOOL ASSORTMENT 69 pieces**

- Large service assortment
- Tools in metric sizes



Code	No.	Contents	
6603020	<b>S 1020 M</b>	69 tools in metric sizes	3.8

Contents	
	1 B 10 13 17
	8 4 5 5,5 6 7 8 9 10 11 12 13
	20 5 6 7 8 10 13
	2090 -2 -4
	2087
	2095
	2098
	2093 U -3
	42 2 (5/64AF) 2,5 3 4 5 6 8
	2160 PH 0 1 2
	2150 5,5
	2170 2,5 3 4
	173 4
	174 1
	144 7 C
	145 10 C
	119 -2 -3 -4 -5
	401
	720
	640 -1800
	648
	132 -150
	4611
	4615 3
	8096 -140
	8098 -160 JC
	8120 -160 JC
	8122 -160 JC
	8132 -160 JC
	8316 -160 JC
	8250 -180 JC
	8728
	600 H -100

**S 1150 M****UNIVERSAL TOOL ASSORTMENT 41 pieces**

- For car repairs, household repairs and for the professional
- Tools in metric sizes



Code	No.	Contents	
6606980	<b>S 1150 M</b>	41 tools in metric sizes	4.3

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 1151 M**

**TOOL ASSORTMENT 68 pieces**

- ✔ For workshops and service stations
- ✔ Recommended hook assortments 1500 HS 1 (24 pcs) or 1500 HS 14 (36 pcs)
- ✔ Tools in metric sizes



Code	No.	Contents	11.2
6607010	<b>S 1151 M</b>	68 tools in metric sizes	11.2

Contents	
	<b>2</b> 8x9 10x11 12x13 14x15 16x17 18x19 20x22
	<b>6</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22
	<b>19</b> 10 11 12 13 14 15 17 19 22 24 27 30 32
	<b>1990</b> -3 -5 -10
	<b>1987</b>
	<b>1995</b>
	<b>1993 U</b> -10 T
	<b>38</b> 16 [2x]
	<b>42</b> 2,5 3 4 5 6 8
	<b>2150</b> 4 6,5 8
	<b>2160 PH 2</b>
	<b>50</b>
	<b>137</b> 10
	<b>145</b> 10 C
	<b>299</b>
	<b>100</b> -12
	<b>99</b> 10-4
	<b>97</b> -150
	<b>4611</b>
	<b>8250</b> -180 JC
	<b>8316</b> -160 JC
	<b>8316</b> -160 JC
	<b>600 H</b> -500

**S 1151 A**

**TOOL ASSORTMENT INCH 68 pieces**

- ✔ For workshops and service stations
- ✔ Recommended hook assortments 1500 HS 1 (24 pcs) or 1500 HS 14 (36 pcs)
- ✔ Tools in inch sizes



Code	No.	Contents	11.2
6607280	<b>S 1151 A</b>	68 tools in inch sizes	11.2

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

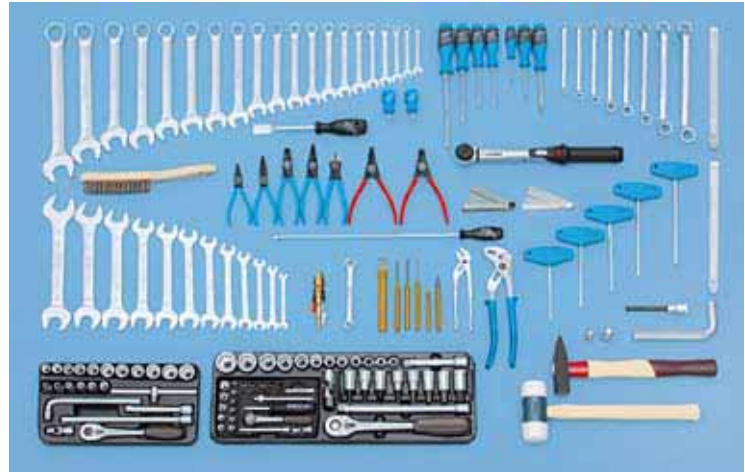
Suitable tool trolleys and workbenches for your tool assortments - see page 16-17





**S 1013 M****TOOL ASSORTMENT FOR MOTORBIKES 158 pieces**

- Recommended hook assortments 1500 HS 8 (33 pcs) or 1500 HS 25 (74 pcs)
- Tools in metric sizes



Code	No.	Contents	Weight
6603880	<b>S 1013 M</b>	158 tools in metric sizes	13.6

Contents		Contents		Contents	
	2 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22		<b>IKS 20</b> 1 2		<b>2161 PZ</b> 1
	6 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x26 25x28 27x32		<b>IS 20</b> 4x0,8 5,5x1 6,5x1,2		<b>2160 PZ</b> 0 1 2
	7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 30 32		<b>2087</b>		<b>4610</b>
	<b>400</b> 10x11		<b>2095</b>		<b>143</b> 10 JC
	<b>19</b> 10 11 12 13 14 15 17 19 22 24 27 30		<b>2098</b>		<b>144</b> 7 C
	<b>IN 19</b> 7 8 10 12 14		<b>2090</b> -2 -4		<b>100</b> -10
	<b>IKS 19</b> 3		<b>2093 U</b> -3		<b>119</b> -2 -3 -4 -5
	<b>IS 19</b> 8x1,2 10x1,6		<b>30</b> 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22		<b>95</b> -150
	<b>IN 19 L</b> 8-120		<b>3020</b>		<b>640</b> -500
	<b>1990</b> -5 -10		<b>3081</b>		<b>644</b>
	<b>1930</b>		<b>3087</b>		<b>133 K</b>
	<b>1995</b>		<b>3095</b>		<b>702</b> 88 M 20 M
	<b>1993 U</b> -10 T		<b>3090</b> -5 -10		<b>8000 A</b> 2 21
	<b>20</b> 4 4,5 5 5,5 6 7 8 9 10 11 13		<b>3093 U</b> -10		<b>8000 J</b> 2 21
	<b>IN 20</b> 3 4 5 6		<b>38</b> 12 [2x]		<b>8132</b> -160 TL
	<b>IN 20</b> 3 4 5 6		<b>42</b> 17		<b>8110</b> -140 TL
	<b>IN 20</b> 3 4 5 6		<b>42 T</b> 2,5 3 4 5 6		<b>8316</b> -160 TL
	<b>IN 20</b> 3 4 5 6		<b>2153</b> 5,5		<b>225 E</b> -50
	<b>IN 20</b> 3 4 5 6		<b>2154</b> 4,5 5,5 6,5 10		<b>600 H</b> -500
	<b>IN 20</b> 3 4 5 6		<b>2154</b> 4,5 5,5 6,5 10		<b>4549</b> -05























**S 1400 GM**






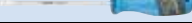
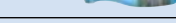




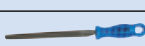




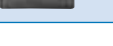

**UNIVERSAL TOOL ASSORTMENT 100 pieces**

- ✔ Tools in metric sizes
- ✔ Supplied in tool modules 1500 ES, suitable to fit in 5 drawers of the GEDORE tool trolleys and workbenches
- ✔ Recommended hook assortments 1500 HS 5 (34 pcs), 1500 HS 11 (42 pcs) or 1500 HS 17 (59 pcs)



Code	No.	Contents	
6612790	<b>S 1400 GM</b>	100 tools in metric sizes	17.7

Contents	
	<b>42</b> 1,3 1,5 2 (5/64AF) 2,5 3 4 5 6 8 10
	<b>2</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22
	<b>6</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27
	<b>19</b> 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32
	<b>IN 19</b> 6 7 8 9 10 12 14
	<b>142</b> 10 JC
	<b>8250</b> -180 JC
	<b>8132</b> -160 JC
	<b>8316</b> -160 JC
	<b>97-250</b>
	<b>98-125</b>
	<b>99 12-5</b>
	<b>100-12</b>
	<b>119</b> -1,5 -3 -4
	<b>600 H</b> -300
	<b>600 E</b> -500
	<b>225 E</b> -40

Contents	
	<b>1993 U</b> -10T
	<b>1987</b>
	<b>1995</b>
	<b>1990</b> -5 -10
	<b>2133</b> 5,5 6 7 8 9 10
	<b>2150</b> 4 5,5 6,5 8
	<b>2160 PH</b> 1 2
	<b>60 CP</b> 8
	<b>137</b> 10
	<b>406</b>
	<b>403</b>
	<b>8701</b> 2-6
	<b>8719</b> 2-6
	<b>8722</b> 2-6
	<b>8728</b>
	<b>132</b> -150
	<b>424026</b>
	<b>1500 E-NL</b> [3x]

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**S 1400 GA****UNIVERSAL TOOL ASSORTMENT INCH 92 pieces**

- Tools in inch sizes
- Recommended hook assortments 1500 HS 5 (34 pcs), 1500 HS 11 (42 pcs) or 1500 HS 17 (59 pcs)



Code	No.	Contents	
6612870	<b>S 1400 GA</b>	92 tools in inch sizes	17.7

Contents	
	<b>2</b> 1/4x5/16AF 5/16x3/8AF 7/16x1/2AF 9/16x5/8AF 19/32x11/16AF 3/4x25/32AF 13/16x7/8AF 15/16x1AF
	<b>6</b> 1/4x5/16AF 5/16x3/8AF 3/8x7/16AF 7/16x1/2AF 1/2x9/16AF 9/16x5/8AF 19/32x11/16AF 5/8x3/4AF 3/4x7/8AF 25/32x13/16AF 15/16x1AF 1.1/16x1.1/8AF
	<b>D 19</b> 3/8AF 13/32AF 7/16AF 1/2AF 9/16AF 19/32AF 5/8AF 11/16AF 3/4AF 25/32AF 13/16AF 7/8AF 15/16AF 1AF 1.1/16AF 1.1/8AF 1.1/4AF
	<b>IS 19</b> 16x2,5
	<b>1993 U</b> -10 T
	<b>1987</b>
	<b>1990</b> -5 -10
	<b>1995</b>
	<b>42</b> 1/8AF 5/32AF 3/16AF 1/4AF 5/16AF 3/8AF 1/2AF 9/16AF
	<b>2150</b> 4 5,5
	<b>2154</b> 6,5 8 10
	<b>2160 PH</b> 2 3
	<b>2133</b> 3/16AF 1/4AF 9/32AF 5/16AF 11/32AF 3/8AF
	<b>60 CP</b> 8
	<b>137</b> 10
	<b>144</b> 7 C
	<b>145</b> 10 C

Contents	
	<b>100</b> -10
	<b>99 10</b> -3 -4
	<b>97</b> -125 -150
	<b>98</b> -125
	<b>402</b>
	<b>403</b>
	<b>132-150</b>
	<b>8250</b> -180 JC
	<b>8316</b> -160 JC
	<b>421025</b>
	<b>225 E</b> -40
	<b>8601</b> 1 LBS
	<b>8701</b> 2-6
	<b>8719</b> 2-6
	<b>8722</b> 2-6
	<b>8728</b>



**S 1400 ZM**

**SUPPLEMENTARY TOOL ASSORTMENT FOR S 1400 GM 34 pieces**  
 ▽ Tools in metric sizes



Code	No.	Contents	
6612950	<b>S 1400 ZM</b>	34 tools in metric sizes	10.7
		Contents	
		<b>1990</b> -2,1/2-3	
		<b>INX 19 L</b> 6-100 8-100 10-100 12-100	
		<b>2153</b> 6,5	
		<b>2161 PH 2</b>	
		<b>27</b> 24x27 30x32	
		<b>27 D</b>	
		<b>28</b> PU CS	
		<b>36</b> 1-140	
		<b>38 20</b> [2x]	
		<b>50</b>	
		<b>54</b>	
		<b>125</b> 1	
		<b>128</b> 2-225	
		<b>135</b> 13	
		<b>299</b>	
		<b>640</b> -1800	
		<b>702</b> 13 M	
		<b>4610</b>	
		<b>8729</b> [2x]	

**S 1400 ZA**

**SUPPLEMENTARY TOOL ASSORTMENT INCH FOR S 1400 GA 34 pieces**  
 ▽ Tools in inch sizes



Code	No.	Contents	
6613090	<b>S 1400 ZA</b>	34 tools in inch sizes	10.7
		Contents	
		<b>1990</b> -2,1/2-3	
		<b>INX 19 L</b> 6-100 8-100 10-100 12-100	
		<b>2153</b> 6,5	
		<b>2161 PH 2</b>	
		<b>27</b> 24x27 30x32	
		<b>27 D</b>	
		<b>28</b> PU CS	
		<b>36</b> 1-140	
		<b>38 20</b> [2x]	
		<b>50</b>	
		<b>54</b>	
		<b>125</b> 1	
		<b>128</b> 2-225	
		<b>135</b> 13	
		<b>299</b>	
		<b>640</b> -1800	
		<b>702</b> 13 A	
		<b>4610</b>	
		<b>8729</b> [2x]	



**S 1004 M****MECHANIC'S TOOL ASSORTMENT 80 pieces**

- Recommended hook assortments 1500 HS 3 (36 pcs) or 1500 HS 16 (46 pcs)
- Tools in metric sizes



Code	No.	Contents	
6600000	<b>S 1004 M</b>	80 tools in metric size	15.0

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 -10T
	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

Contents	
	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





**S 1008 M**

**MECHANIC'S TOOL ASSORTMENT 138 pieces**

- ✔ A useful selection of tools for many jobs
- ✔ Recommended hook assortments 1500 HS 8 (33 pcs), 1500 HS 13 (42 pcs) or 1500 HS 25 (74 pcs)
- ✔ Tools in metric sizes



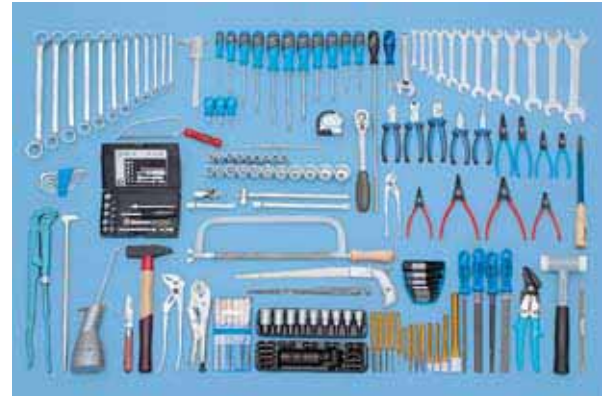
Code	No.	Contents	
6603610	<b>S 1008 M</b>	138 tools in metric sizes	22.0

	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
	20 4 4,5 5 5,5 6 7 8 9 10 11 13
	2090 -4
	2087
	2095
	2098
	2093 U -3
	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 5
	175 1,1/2
	139 -400
	100 -10
	99 10-3 12-5
	97 -125 -150 -200
	98 -125
	119 -3 -5
	407

	Contents
	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

**S 1007 M****MECHANIC'S TOOL ASSORTMENT 175 pieces**

- Recommended hook assortments 1500 HS 8 (33 pcs) or 1500 HS 25 (74 pcs)
- Tools in metric sizes



Code	No.	Contents	25.0
6601080	<b>S 1007 M</b>	175 tools in metric sizes	25.0

Contents	
	<b>2</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32
	<b>6</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32
	<b>19</b> 8 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32
	<b>IN 19</b> 5 6 7 8 9 10 12 14 17
	<b>1987</b>
	<b>1995</b>
	<b>1990</b> -5 -10
	<b>1993 U</b> -10 T
	<b>20</b> 4,4,5 5,5,6 7 8 9 10 11 13
	<b>2087</b>
	<b>2095</b>
	<b>2098</b>
	<b>2090</b> -4
	<b>2093 U</b> -3
	<b>42</b> 2 (5/64AF) 2,5 3 4 5 6 8 10
	<b>60</b> CP 8
	<b>298</b> -04
	<b>137</b> 10
	<b>140</b>
	<b>143</b> 10 C
	<b>144</b> 7 C
	<b>156</b> S
	<b>175</b> 1.1/2
	<b>139</b> -400
	<b>100</b> -10
	<b>99</b> 10-3 12-5
	<b>97</b> -125 -150 -200

Contents	
	<b>98</b> -125
	<b>119</b> -2 -3 -4 -5 -6 -8
	<b>402</b>
	<b>404</b>
	<b>407</b>
	<b>640</b> -1800
	<b>132</b> -200
	<b>710</b>
	<b>745</b>
	<b>K 1900</b>
	<b>KB 819</b>
	<b>KB 820</b>
	<b>880</b> 7 8 9 12
	<b>885</b> 5 6 8 10
	<b>890</b> 2 3 4 L
	<b>4522</b>
	<b>4534</b> -3
	<b>8000</b> A 1 A 2 A 11 A 21
	<b>8000</b> J 1 J 2 J 11 J 21
	<b>8250</b> -180 JC
	<b>8132</b> -160 JC
	<b>8132</b> AB -160 JC
	<b>8316</b> -160 JC

Contents	
	<b>8367</b> -160 JC
	<b>8551</b> 1 2 3 4 5 6 7 8
	<b>600</b> H -500
	<b>248</b> ST -40
	<b>8701</b> 2-8
	<b>8719</b> 2-8
	<b>8722</b> 2-8
	<b>8725</b> 2-8
	<b>424026</b>
	<b>8728</b>
	<b>2150</b> 3 4 5,5
	<b>2153</b> 6,5
	<b>2154</b> 6,5 8 10
	<b>2160</b> PZ 1 2
	<b>2160</b> PH 1 2 3
	<b>2161</b> PH 1 2





**S 1011 M**

**TOOL ASSORTMENT 134 pieces**

- ✔ A special set for modern repair and service work
- ✔ Recommended hook assortments 1500 HS 6 (33 pcs) or 1500 HS 20 (57 pcs)
- ✔ Tools in metric sizes



Code	No.	Contents	Weight
6601240	<b>S 1011 M</b>	134 tools in metric sizes	27.0


Image	Contents
	<b>2</b> 6x7 8x9 10x11 12x13 14x15 16x17
	<b>7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 23</b>
	<b>19 10 11 12 13 14 15 17 19 22 24 27 30</b>
	<b>IKS 19 2 3</b>
	<b>IS 19 8x1,2 10x1,6</b>
	<b>IN 19 5 6 7 8 10 12 14</b>
	<b>ITX 19 T20 T25 T27 T30 T40 T45 T50 T55 T60</b>
	<b>1990 -5 -10</b>
	<b>1995</b>
	<b>1993 U -10T</b>
	<b>20 4 5 6 7 8 9 10 11 12 13 14</b>
	<b>IKS 20 1 2 3</b>
	<b>IKS 20 PZD 1 2 3</b>
	<b>IN 20 3 4 5 6 8</b>
	<b>IS 20 4x0,8 5,5x1 6,5x1,2 8x1,6</b>
	<b>2090 -2 -6</b>
	<b>2087</b>
	<b>2095</b>
	<b>2098</b>
	<b>2093 U -3</b>
	<b>38 20 24</b>
	<b>424026</b>

Image	Contents
	<b>298 -00</b>
	<b>145 10 C</b>
	<b>137 10 [2]</b>
	<b>138 Y [2]</b>
	<b>252</b>
	<b>255 253 255</b>
	<b>265</b>
	<b>269 K</b>
	<b>273 K</b>
	<b>278</b>
	<b>281</b>
	<b>292</b>
	<b>104 HS</b>
	<b>100 -12</b>
	<b>99 10-4 12-6</b>
	<b>97 -125 -175</b>
	<b>403</b>
	<b>426026</b>
	<b>644</b>
	<b>745</b>
	<b>132 -200</b>
	<b>133 F-200</b>
	<b>8250 -180 JC</b>

Image	Contents
	<b>8316 -160 JC</b>
	<b>600 H -300 -800</b>
	<b>224 E -40</b>
	<b>226 E -2</b>
	<b>8701 2-8</b>
	<b>8722 2-6</b>
	<b>2150 3,5 5 8 10</b>
	<b>2160 PH 2 3</b>
	<b>2160 PZ 2</b>



Detailed information on products, promotions and trade fairs  
 ... [www.gedore.com](http://www.gedore.com)





**S 1009 M****TOOL ASSORTMENT 134 pieces**

- Recommended hook assortments 1500 HS 7 (41 pcs), 1500 HS 12 (44 pcs) or 1500 HS 24 (66 pcs)
- Tools in metric sizes



Code	No.	Contents	
6601160	<b>S 1009 M</b>	134 tools in metric sizes	16.0
		Contents	
		7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 30 32	
		304 11x13 14x17 19x22	
		19 10 11 12 13 14 15 16 17 19 22 24 27 30 32	
		IN 19 5 6 7 8 9 10 12 14 17	
		IN 19 L 5-180 6-90 7-100 8-120 12-140	
		INX 19 L 8-100 10-100 12-100	
		ITX 19 T20 T25 T27 T30 T40 T45 T50 T55 T60	
		1990 -10 -5	
		1987	
		1995	
		1993 U -10 T	
		20 4 4,5 5 5,5 6 7 8 9 10 11 13	
		2087	
		2095	
		2098	
		2090 -4	
		2093 U -3	
		3093 GU -3	
		52	
		53	
		56	
		38 16 [2x]	
		42 2 (5/64AF) 2,5 3 4 5 6 8 10	
		2150 3 4 5,5 6,5 8	

	Contents
	2153 5,5 6,5
	2170 4
	2160 PH 1 2
	2161 PH 2
	148 5,5 8
	145 10 C
	100 -12
	99 10-1
	97 -150
	119 -2 -4 -6 -8
	644
	647
	132 -150
	702 8 M
	745
	1600 -39
	4534 -3
	4610
	8000 A 2
	8000 J 2
	8250 -180 JC
	8316 -160 JC
	600 H -300
	225 E -40
	8701 2-10































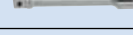





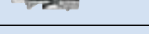



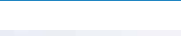
**S 1006 M**

**TOOL ASSORTMENT FOR TRUCKS 115 pieces**

- ✔ For service and repairs
- ✔ Recommended hook assortments 1500 HS 4 (28 pcs) or 1500 HS 22 (57 pcs)
- ✔ Tools in metric sizes



Code	No.	Contents	
6600940	<b>S 1006 M</b>	115 tools in metric sizes	32,0

Contents		Contents		Contents	
	<b>1 B</b> 8 9 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 29 30 32		<b>60 CP</b> 12		<b>132-250</b>
	19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32		135 19		<b>702 20 M</b>
	<b>IN 19</b> 5 6 7 8 9 10 12 14 17		137 10		<b>4534 -3</b>
	<b>1990</b> -5 -10		146 10 CP		<b>4610</b>
	<b>1985</b>		100 2		<b>8000 A 2 A 21</b>
	<b>1987</b>		147 7 9 10		<b>8000 J 2 J 21</b>
	<b>1995</b>		2160 PH 1 2 3 4		<b>8316 -160 JC</b>
	<b>1993 U</b> -10 T		100 -10		<b>248 ST -50</b>
	32 19 22 24 27 29 30 32 36 38		97 -200		<b>225 E -32</b>
	<b>3290</b> -8 -16		119 -4 -5 -6		<b>600 H</b> -100 -1500
	<b>3287</b>		96 -200		<b>8701 2-10</b>
	<b>3287</b>		407 A [12x]		
	<b>3295</b>		644		
	<b>3293 U</b> -3				



**S 1002 M****TOOL ASSORTMENT FOR TRACTORS 79 pieces**

- Recommended hook assortments 1500 HS 2 (31 pcs) or 1500 HS 15 (38 pcs)
- Tools in metric sizes



Code	No.	Contents	Weight
6600270	<b>S 1002 M</b>	79 tools in metric sizes	15,9
		Contents	
		<b>1 B</b> 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 22 23 24 27 28 30 32	
		<b>19</b> 10 11 12 13 14 15 16 17 18 19 22 24 27 30 32	
		<b>IS 19</b> 12x2	
		<b>1990</b> -5 -10	
		<b>1987</b>	
		<b>1995</b>	
		<b>1993 U</b> -10 T	
		<b>38</b> 20 [2x]	
		<b>42</b> 3 4 5 6 8 10 12 14	
		<b>137</b> 10	
		<b>145</b> 10 C	
		<b>147</b> 5,5 7 9 12	
		<b>162</b> 2	
		<b>100</b> -10	
		<b>99</b> 12-5 12-6 12-8	
		<b>97</b> -150	
		<b>98</b> -125	
		<b>119</b> -3 -4 -5	
		<b>403</b>	
		<b>132</b> -200	
		<b>702</b> 20 M	
		<b>4610</b>	
		<b>8010 A</b> 2	
		<b>8010 J</b> 2	
		<b>8250</b> -180 JC	
		<b>8316</b> -160 JC	
		<b>600 H</b> -500 -1000	

**S 1003 M****TOOL ASSORTMENT FOR CONSTRUCTION MACHINES 120 pieces**

- For hydraulic construction machines with metric screwed joints
- Specially designed for on-site servicing and repairs













Code	No.	Contents	Weight
1959727	<b>S 1003 M</b>	120 tools in metric sizes	45,2
		Contents	
		<b>19</b> 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32	
		<b>IN 19</b> 5 6 7 8 9 10 12 14 17	
		<b>1990 A</b> -5 -10	
		<b>1987</b>	
		<b>1995</b>	
		<b>1993 U</b> -20	
		<b>SL 1912 SL 1916</b>	
		<b>6</b> 6x7 8x9 10x11 12x13 14x15 16x18 17x19 20x22 21x23 24x26 27x32 30x34	
		<b>7 XL</b> 10 11 12 13 14 17 19 22 24 27 30 32	
		<b>400</b> 8x10 11x13 12x14 13x15 17x19 22x24 30x32	
		<b>36</b> 2-200	
		<b>145</b> 10 JC	
		<b>646</b>	
		<b>4522</b>	
		<b>4533</b> -2	
		<b>900</b> 08	
		<b>8010 A</b> 2 21	
		<b>8010 J</b> 2 21	
		<b>8132 AB</b> -200 JC	
		<b>8250</b> -200 JC	
		<b>8316</b> -200 JC	
		<b>8140</b> -11 -09 -05	
		<b>2154SK</b> 4,5 5,5 6,5 8	
		<b>2160SK PH</b> 1 2	
		<b>42 KEL</b> 2,2,5 3 4 5 6 8 10	
		<b>4612</b>	
		<b>1.04/3A</b>	
		<b>95 HS</b> -250	



**S 1003 M**

Contents

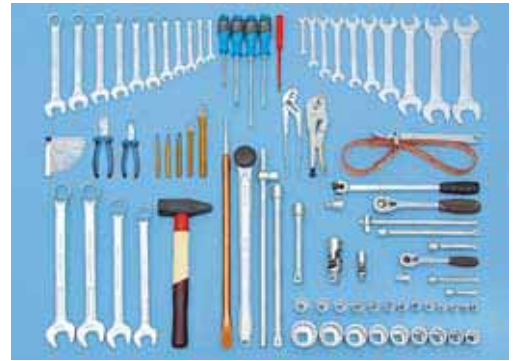
	99 10-1 10-2 10-3 12-4 12-5
	100 -10
	119 -3 -4 -5 -6 -7 -8
	56 E -20
	132 -200
	137 -600 [2x]
	600 H -500
	609 H -8
	248 H -50
	4550 -30




































**S 1005 A**

**TOOL ASSORTMENT FOR CONSTRUCTION MACHINES 81 pieces**

- For construction machinery using inch sizes
- Especially suitable for Caterpillar® machines
- Recommended hook assortments 1500 HS 1 (24 pcs) or 1500 HS 3 (36 pcs)
- Tools in inch sizes



Code	No.	Contents	WZ
6600510	<b>S 1005 A</b>	81 tools in inch sizes	27.7

Contents	
	<b>1 B</b> 1.1/16AF 1.1/8AF 1.1/4AF 1.5/16AF
	<b>6</b> 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
	<b>7</b> 3/8AF 7/16AF 1/2AF 9/16AF 5/8AF 11/16AF 3/4AF 13/16AF 7/8AF 15/16AF 1AF
	<b>D 19</b> 9/16AF 5/8AF 11/16AF 3/4AF 13/16AF 7/8AF 15/16AF 1AF
	<b>1993 U</b> -10 T
	<b>1990</b> -5 -10
	<b>1932</b>
	<b>1987</b>
	<b>1995</b>
	<b>1997</b>
	<b>D 30</b> 7/16AF 1/2AF 9/16AF 5/8AF 3/4AF
	<b>3090</b> -3 -5
	<b>3019</b>
	<b>3093 U</b> -10
	<b>D 32</b> 7/8AF 1AF 1.1/16AF 1.1/8AF 1.1/4AF 1.5/16AF 1.1/2AF 1.5/8AF 1.3/4AF
	<b>3290</b> -8 -16
	<b>3287</b>
	<b>3295</b>
	<b>3293 U</b> -2
	<b>137</b> 10
	<b>145</b> 10 C
	<b>100</b> -12
	<b>99</b> 10-4 12-8
	<b>97</b> -150 -200
	<b>702</b> 26 A
	<b>36</b> 2-200
	<b>8132 AB</b> -160 JC
	<b>8316</b> -160 JC
	<b>600 H</b> -1000
	<b>137</b> -600
	<b>2154</b> 8 12
	<b>2160 PH</b> 2 3
	<b>VDE 2170</b> 5,5



### S 1023 M

#### TOOL ASSORTMENT FOR MECHATRONICS 118 pieces

- Practical entry-level toolset
- The range includes mechanical and electrical engineering tools



Contents	
	VDE 8132 -200 H
	VDE 8250 -180 H
	VDE 8314 -160 H
	VDE 2170 4 5,5
	VDE 2160 PH 1 2
	VDE 4614
	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

Code	No.	Contents	Weight	Icon
1999060	<b>S 1023 M</b>	118 tools in metric sizes	13.0	

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 -10 T
	19 8 9 10 11 12 13 14 15 16 17 19 22 24 27 30 32
	1987
	1990 -5 -10
	1995



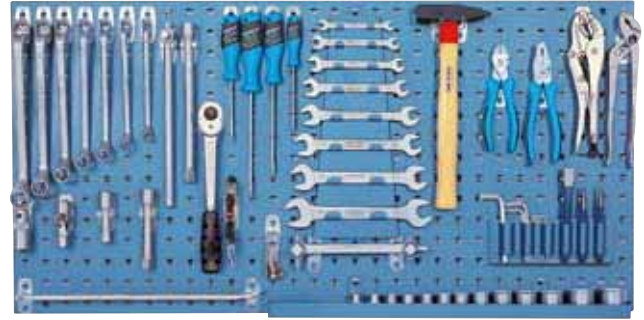


**TOOL PANELS**

**1450 L**

**TOOL PANEL for tool assortment, 65 pieces**

- ✔ Complete with hook assortment 1500 HS 14 and fittings
- ✔ Made from solid sheet steel 1.5 mm thick, all 4 edges are bevelled
- ✔ Dimensions: L 1000 x H 500 mm



Code	No.	L	W
5617110	<b>1450 L</b> Tool panel empty	1000	5.5
6617160	<b>1450 LH</b> 1450 L + hook assortment 1500 HS 14	1000	7.3
6617240	<b>1450-1151 M</b> 1450 L + hook assortment 1500 HS 14 + assortment S 1151 M	1000	17.3

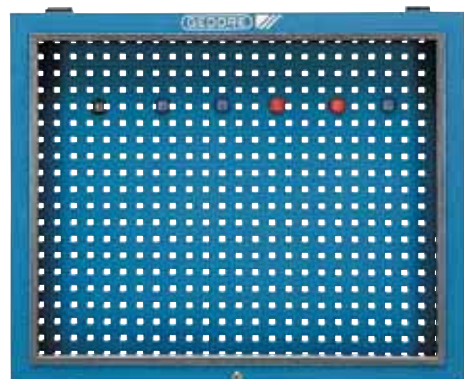
	Contents
	<b>1450 L</b>
	<b>1500 H 0</b> [6x]
	<b>1500 H 1</b> [20x]
	<b>1500 H 2</b> -13 [6x]
	<b>1500 H 3</b>
	<b>VS 245 H</b>
	<b>VS 19 H</b>
	<b>2</b> 8x9 10x11 12x13 14x15 16x17 18x19 20x22
	<b>6</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22
	<b>19</b> 10 11 12 13 14 15 17 19 22 24 27 30 32
	<b>1990</b> -3 -5 -10
	<b>1987</b>
	<b>1995</b>
	<b>1993 U</b> -10 T
	<b>38</b> 16 [2x]

	Contents
	<b>42</b> 2,5 3 4 5 6 8
	<b>2150</b> 4 6,5 8
	<b>2160</b> PH 2
	<b>50</b>
	<b>137</b> 10
	<b>145</b> 10 C
	<b>299</b>
	<b>100</b> -12
	<b>99</b> 10-4
	<b>97</b> -150
	<b>4611</b>
	<b>8250</b> -180 JC
	<b>8316</b> -160 JC
	<b>600</b> H -500

**1500 SK M**

**DISPLAY PANEL SELF LOWERING AND RAISING**

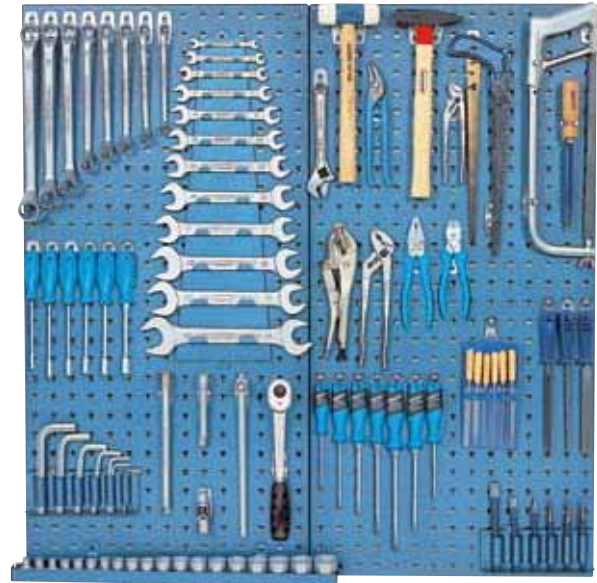
- ✔ Square perforation 9 x 33 mm, suitable for hooks 1500 H 0 - H 4
- ✔ The door panel in plexiglass opens upwards with 2 gas springs



Code	No.	H	W	D	W
1542966	<b>1500 SK M</b>	735	900	80	22.0

**1450 LHG****2 TOOL PANELS for tool assortment, 100 pieces**

- ✔ Complete with hook assortment 1500 HS 17
- ✔ Made from solid sheet steel 1.5 mm thick, all 4 edges are bevelled
- ✔ Dimensions: L 1000 x H 1000 mm



Code	No.	L	
6617590	<b>1450 LHG</b> 2 tool panels 1450 L + hook assortment 1500 HS 17	1000	13.6
6617320	<b>1450-1400 GM</b> 2 tool panels 1450 L + hook assortment 1500 HS 17 + assortment S 1400 GM	1000	30.6

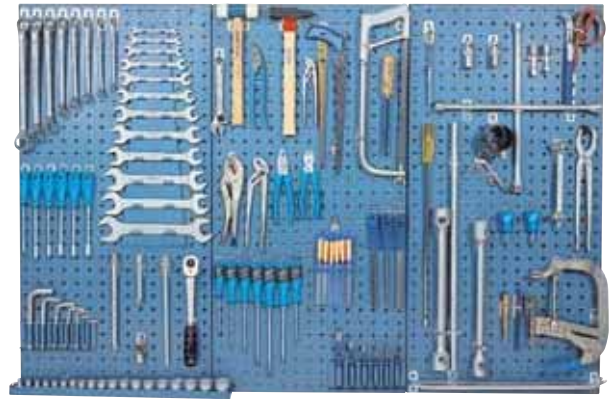
Contents	
	<b>1450 L</b> [2x]
	<b>1500 H 0</b> [15x]
	<b>1500 H 1</b> [32x]
	<b>1500 H 2 -13</b> [4x]
	<b>1500 H 3</b> [2x]
	<b>1500 H 27</b>
	<b>1500 H 38</b>
	<b>VS 245 H</b> [2x]
	<b>VS 19 H</b>
	<b>42</b> 1,3 1,5 2 (S/64AF) 2,5 3 4 5 6 8 10
	<b>2</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22
	<b>6</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27
	<b>19</b> 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32
	<b>IN 19</b> 6 7 8 9 10 12 14
	<b>142</b> 10 JC
	<b>8250</b> -180 JC

Contents	
	<b>8132</b> -160 JC
	<b>8316</b> -160 JC
	<b>97-250</b>
	<b>98-125</b>
	<b>99 12-5</b>
	<b>100-12</b>
	<b>119</b> -1,5 -3 -4
	<b>1993 U</b> -10 T
	<b>1987</b>
	<b>1995</b>
	<b>1990</b> -5 -10
	<b>2133</b> 5,5 6 7 8 9 10
	<b>2150</b> 4,5,5 6,5 8
	<b>2160 PH</b> 1 2
	<b>60 CP</b> 8
	<b>137</b> 10
	<b>600 H</b> -300
	<b>600 E</b> -500
	<b>225 E</b> -40
	<b>406</b>
	<b>403</b>
	<b>8701</b> 2-6
	<b>8719</b> 2-6
	<b>8722</b> 2-6
	<b>8728</b>
	<b>132</b> -150
	<b>424026</b>
	<b>1500 E-N L</b> [3]



**1450 LHGZ**

- 3 TOOL PANELS for tool assortment, 134 pieces
- With hook assortment 1500 HS 23
- Made from solid sheet steel 1.5 mm thick, all 4 edges are bevelled
- Dimensions: L 1500 x H 1000 mm




Code	No.	L	H
6617670	<b>1450 LHGZ</b> 3 tool panels 1450 L + hook assortment 1500 HS 23	1500	19.7
6617400	<b>1450-1400 GZM</b> 3 tool panels 1450 L + hook assortment 1500 HS 23 + assortments S 1400 GM+S 1400 ZM	1500	46.7

Contents
<b>1450 L</b> [3x]
<b>1500 H 0</b> [17x]
<b>1500 H 1</b> [43x]
<b>1500 H 2</b> -13 [2x]
<b>1500 H 3</b> [10x]
<b>1500 H 27</b>
<b>1500 H 38</b>
<b>VS 245 H</b> [2x]
<b>VS 19 H</b>
<b>42</b> 1,3 1,5 2 (5/64AF) 2,5 3 4 5 6 8 10
<b>2</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22
<b>6</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27
<b>19</b> 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32
<b>IN 19</b> 6 7 8 9 10 12 14
<b>142</b> 10 JC
<b>8250</b> -180 JC
<b>8132</b> -160 JC

Contents
<b>8316</b> -160 JC
<b>97-250</b>
<b>98-125</b>
<b>99</b> 12-5
<b>100-12</b>
<b>119</b> -1,5 -3 -4
<b>1993</b> U -10 T
<b>1987</b>
<b>1995</b>
<b>1990</b> -5 -10
<b>2133</b> 5,5 6 7 8 9 10
<b>2150</b> 4 5,5 6,5 8
<b>2160</b> PH 1 2
<b>60</b> CP 8
<b>137</b> 10
<b>600</b> H -300
<b>600</b> E -500
<b>225</b> E -40
<b>406</b>
<b>403</b>
<b>8701</b> 2-6
<b>8719</b> 2-6
<b>8722</b> 2-6
<b>8728</b>
<b>132</b> -150
<b>424026</b>
<b>1500</b> E-N L [3x]

Contents
<b>1990</b> -2,1/2 -3
<b>INX 19</b> L 6-100 8-100 10-100 12-100
<b>2153</b> 6,5
<b>2161</b> PH 2
<b>27</b> 24x27 30x32 D
<b>28</b> PU CS
<b>36</b> 1-140
<b>38</b> 20 [2x]
<b>50</b>
<b>54</b>
<b>125</b> 1
<b>128</b> 2-225
<b>135</b> 13
<b>299</b>
<b>640</b> -1800
<b>702</b> 13 M
<b>4610</b>
<b>8729</b> [2x]

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## 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, 2002, 2003, 2004, 2500 please order distance module 1500 ED-70 or 1500 ED-70 K additionally
- For model 1505 please order 1500 ED-150 K additionally
- For model 2005 please order 1500 ED-70 XL additionally

For possible combinations of the modules in our tool trolleys and workbenches see page 15



### 1500 ES-1 B

COMBINATION SPANNER SET in 2/3 tool module



Code	No.	↕
6612280	<b>1500 ES-1 B</b> 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)	2380

Code	No.	↕
5620330	<b>1500 E-1B-7 L</b> Module, empty	200

### 1500 ES-2

RING SPANNER SET in 1/3 tool module



Code	No.	↕
6621190	<b>1500 ES-2</b> 2 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22	1480

Code	No.	↕
5626290	<b>1500 E-2 L</b> Module, empty	200

### 1500 ES-2 B

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



Code	No.	↕
1731165	<b>1500 ES-2 B</b> 2 B 6x7 8x9 10x11 12x13 14x15 17x19	590

Code	No.	↕
1731173	<b>1500 E-2B-400 L</b> Module, empty	200

### 1500 ES-6

OPEN ENDED SPANNER SET in 1/3 tool module



Code	No.	↕
6621000	<b>1500 ES-6</b> 6 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27	1500

Code	No.	↕
5626100	<b>1500 E-6-7R L</b> Module, empty	200



### 1500 ES-7

COMBINATION SPANNER SET in 2/3 tool module



Code	No.	↕
6612520	<b>1500 ES-7</b> 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)	2110

Code	No.	↕
5620330	<b>1500 E-1B-7 L</b> Module, empty	200

### 1500 ES-7-32

COMBINATION SPANNER SET in 2/3 tool module



Code	No.	↕
1761145	<b>1500 ES-7-32</b> 7 23 24 27 30 32	2400

Code	No.	↕
1761153	<b>1500 E-7-32 L</b> Module empty	200

### 1500 ES-7 R

OPEN ENDED SPANNER WITH RING RATCHET in 1/3 tool module

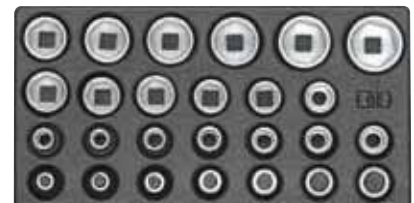


Code	No.	↕
1410199	<b>1500 ES-7 R</b> 7 R 8 10 12 13 14 15 16 17 18 19	1350

Code	No.	↕
5626100	<b>1500 E-6-7R L</b> Module, empty	200

### 1500 ES-19

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



Code	No.	↕
6626580	<b>1500 ES-19</b> 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	2900

Code	No.	↕
5621650	<b>1500 E-19 L</b> Module, empty	100



**1500 ES-D 19**

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



Code	No.	↕
1899694	<b>1500 ES-D 19</b> 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	2900
5621650	<b>1500 E-19 L</b> Module, empty	100



**1500 ES-20**

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



Code	No.	↕
6626230	<b>1500 ES-20</b> 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	1000
5621490	<b>1500 E-20 L</b> Module, empty	100

**1500 ES-19 IS**

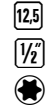
SOCKET SET 1/2" in 1/3 tool module



Code	No.	↕
1733109	<b>1500 ES-19 IS</b> 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	2750
5621650	<b>1500 E-19 L</b> Module, empty	100

**1500 ES-ITX 19 LKP**

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



Code	No.	↕
1402226	<b>1500 ES-ITX 19 LKP</b> 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	1900
1402706	<b>1500 E-ITX 19 LKP</b> Module, empty	150

**1500 ES-20 BIT**

TOOL MODULE 1/4" with assortment  
Only suitable for tool trolleys 2003 and 2004, and workbenches 1502, 1504, 1505  
Dimensions: W 475 x D 77 x H 40 mm



Code	No.	↕
1733419	<b>1500 ES-20 BIT</b> 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	730
1733087	<b>1500 LE-20 BIT</b> Module, empty	150

**1500 ES-IN 19 LKM**

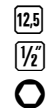
SCREWDRIVER BIT SOCKET SET 1/2" in 1/3 tool module



Code	No.	↕
1402234	<b>1500 ES-IN 19 LKM</b> 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	1900
1402714	<b>1500 E-IN 19 LKM</b> Module, empty	145

**1500 ES-K 19 L**

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



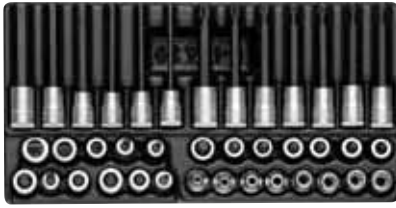
Code	No.	↕
1640836	<b>1500 ES-K 19 L</b> K 19 L 10 13 14 16 17 18 19 21 22 23 24 27	3525
1643371	<b>1500 E-K 19 L L</b> Module, empty	175

**1500 ES-30**

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



Code	No.	↕
6626070	<b>1500 ES-30</b> 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	1800
5621220	<b>1500 E-30 L</b> Module, empty	100

**1500 ES-ITX 30**SCREWDRIVER BIT SOCKET SET 3/8"  
in 1/3 tool module

Code	No.	↕
1640860	<b>1500 ES-ITX 30</b> 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	1960

Code	No.	↕
1643363	<b>1500 E-ITX 30 L</b> Module, empty	175

**1500 ES-34**SWIVEL HEAD WRENCH SET  
in 1/3 tool module

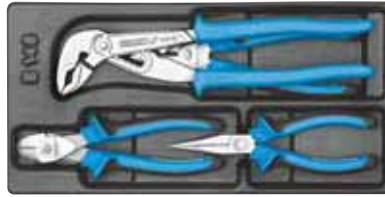
Code	No.	↕
6605070	<b>1500 ES-34</b> 34 8x9 10x11 12x13 14x15 16x17	1830

Code	No.	↕
5622890	<b>1500 E-34 L</b> Module, empty	140

**1500 ES-DT 42**HEXAGON SOCKET KEY SET  
in 2/3 tool module

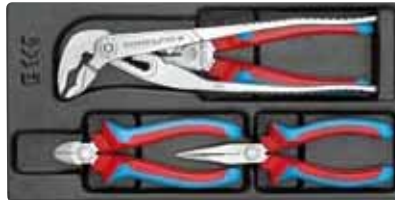
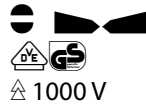
Code	No.	↕
1543474	<b>1500 ES-DT 42</b> DT 42 2 2,5 3 4 5 6 7 8 10	950

Code	No.	↕
1543490	<b>1500 E-DT 42 L</b> Module, empty	100

**1500 ES-145**PLIERS SET  
in 1/3 tool module

Code	No.	↕
6614650	<b>1500 ES-145</b> 142 10 JC 8250-180 JC 8132-160 JC 8316-160 JC	1400

Code	No.	↕
5620840	<b>1500 E-145 L</b> Module, empty	100

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in 1/3 tool module

Code	No.	↕
1733079	<b>1500 ES-VDE 145</b> 142 10 C VDE 8250-180 H VDE 8132-160 H VDE 8314-160 H	1100

Code	No.	↕
5620840	<b>1500 E-145 L</b> Module, empty	100

**1500 ES-350**

CHISEL SET in 1/3 tool module



Code	No.	↕
6613760	<b>1500 ES-350</b> 97-250 98-125 99 12-5 100-12 119-1,5 3 4 600 H-300	1700

Code	No.	↕
5620680	<b>1500 E-350 L</b> Module, empty	100

**1500 ES-400**SET FLARE NUT SPANNERS, OPEN  
in 1/3 tool module

Code	No.	↕
1731157	<b>1500 ES-400</b> 400 8x10 10x11 12x14 13x15 17x19	670

Code	No.	↕
1731173	<b>1500 E-2B-400 L</b> Module, empty	200

**1500 ES-534**SET COMBINATION SWIVEL HEAD  
WRENCHES in 1/3 tool module

Code	No.	↕
1813196	<b>1500 ES-534</b> 534 10 11 13 14 15 17 19 26 RS 1 2	1205

Code	No.	↕
1813226	<b>1500 E-534 L</b> Module, empty	140

**1500 ES-711**PRECISION MECHANICS  
in 1/3 tool module

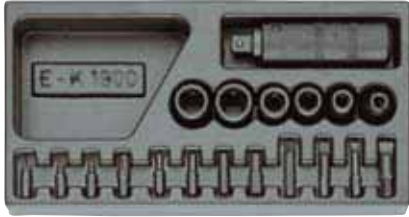
Code	No.	↕
1402218	<b>1500 ES-711</b> 140 4534-5 708 711 720 745	1900

Code	No.	↕
1402692	<b>1500 E-711 L</b> Module, empty	170



**1500 ES-K 1900**

IMPACT DRIVER SET  
in 1/3 tool module



Code	No.	STW
1402242	<b>1500 ES-K 1900</b> 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	1900
1402722	<b>1500 E-K 1900 L</b> Module, empty	150

**1500 ES-1993 U-20**

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



Code	No.	STW
1550756	<b>1500 ES-1993 U-20</b> 1993 U-20 1987 1995 1990-5 -10	1900
5621810	<b>1500 E-1993 L</b> Module, empty	100

**1500 ES-1993 T**

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



Code	No.	STW
6626740	<b>1500 ES-1993 T</b> 1993 U-10 T 1987 1995 1990-5 -10	1900
5621810	<b>1500 E-1993 L</b> Module, empty	100

**1500 ES-2133**

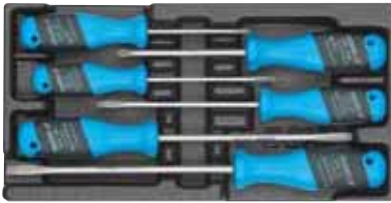
SOCKET WRENCH SET  
in 1/3 tool module



Code	No.	STW
1751239	<b>1500 ES-2133</b> 2133 5,5 6 7 8 9 10	565
1523767	<b>1500 E-2150 L</b> Module, empty	100

**1500 ES-2150 PH**

SCREWDRIVER SET  
in 1/3 tool module



Code	No.	STW
1523708	<b>1500 ES-2150 PH</b> 2150 4 5,5 6,5 8 2160 PH 1 2	630
1523767	<b>1500 E-2150 L</b> Module, empty	100

**1500 ES-2150 PZ**

SCREWDRIVER SET in 1/3 tool  
module

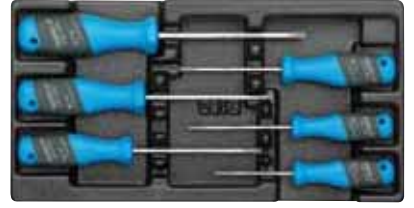


Code	No.	STW
1523694	<b>1500 ES-2150 PZ</b> 2150 4 5,5 6,5 8 2160 PZ 1 2	630
1523767	<b>1500 E-2150 L</b> Module, empty	100



**1500 ES-2163 BTX**

SCREWDRIVER SET  
in 1/3 tool module



Code	No.	STW
1582666	<b>1500 ES-2163 BTX</b> 2163 BTX T8 T10 T15 T20 T25 T30	615
5621060	<b>1500 E-150 L</b> Module, empty	100

**1500 ES-2163 TXB**

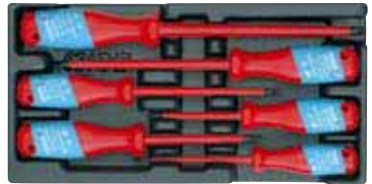
SCREWDRIVER SET  
in 1/3 tool module



Code	No.	STW
1616625	<b>1500 ES-2163 TXB</b> 2163 TXB T10 T15 T20 T25 T30 T40	725
1523767	<b>1500 E-2150 L</b> Module, empty	100

**1500 ES-VDE 2170 PZ**

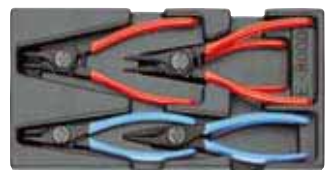
VDE SCREWDRIVER SET  
in 1/3 tool module



Code	No.	STW
1733095	<b>1500 ES-VDE 2170 PZ</b> VDE 2170 4 5,5 6,5 8 VDE 2160 PZ 1 2	600
1523767	<b>1500 E-2150 L</b> Module, empty	100

**1500 ES-8000**

CIRCLIP PLIERS in 1/3 tool module



Code	No.	STW
1402196	<b>1500 ES-8000</b> 8000 A 1 A 2 A 21 8000 J 1 J 2 J 21	1900
1446479	<b>1500 E-8000 L</b> Module, empty	145



### 1500 ES-1.07

PULLER SET in 1/3 tool module



Code	No.	Weight	Quantity
1933213	<b>1500 ES-1.07</b>	1850	
	1x 106/103		
	1x 107/103		
	1x 1.1406140		
	3x 106/S100-E		

Code	No.	Weight	Quantity
1933248	<b>1500 E-1.07 L</b>	200	
	Module, empty		

### 1500 E-N L

TOOL MODULE EMPTY

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



Code	No.	Weight	Quantity
5622540	<b>1500 E-N L</b>	200	1

### 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)



Code	No.	Weight	Quantity
1879227	<b>1500 E-S L</b>	150	1

### 1500 ED-30

DISTANCE MODULE EMPTY

- For fixing modules 1500 ES in drawer sizes W 480 x D 350 mm of tool trolley 3000 TANTO
- Dimensions: W 157 x D 30 x H 42 mm



Code	No.	Weight	Quantity
5626370	<b>1500 ED-30</b>	30	1

### 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 2003, 2004, 2500 and workbenches 1502, 1504 and 1505
- Module in sheet steel with four transparent plastic boxes, execution L without boxes
- Dimensions: W 475 x D 77 x H 40 mm



Code	No.	Weight	Quantity
6627120	<b>1500 ED-70</b>	900	1
5627930	<b>1500 ED-70 L</b>	750	1

### 1500 ED-70 K

DISTANCE MODULE EMPTY

- For fixing modules 1500 ES in drawers with depth 400 mm of tool trolleys 2003, 2004, 2500 and workbenches 1502, 1504 and 1505
- Dimensions: W 475 x D 77 x H 40 mm



Code	No.	Weight	Quantity
1618687	<b>1500 ED-70 K</b>	200	1

### 1500 ED-70 S

DISTANCE MODULE 1/3 EMPTY

- For tool trolley 2005, workbench 1504 XL and tool chest 2430
- Dimensions: W 152 x D 77 x H 40 mm



Code	No.	Weight	Quantity
1851462	<b>1500 ED-70 S</b>	150	1

### 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
- Dimensions: W 625 x D 77 x H 40 mm



Code	No.	Weight	Quantity
1803069	<b>1500 ED-70 XL</b>	950	1

### 1500 ED-85

DISTANCE MODULE EMPTY

- Only appropriate to tool trolley 2545 and tool chest 2546



Code	No.	Weight	Quantity
1972588	<b>1500 ED-85</b>	860	1

### 1500 ED-150 K

DISTANCE MODULE EMPTY

- Suitable to large pieces and other long tools (e.g. torque wrenches, saws, etc.)
- Dimensions: W 480 x D 150 x H 42 mm



Code	No.	Weight	Quantity
1879243	<b>1500 ED-150 K</b>	150	1

## TOOL HOLDERS / TOOL HOOKS

- Suitable for GEDORE tool trolleys and panels with square perforation 9 x 33 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 9 x 33 mm and 10 x 38 mm



Code	No.	Ø	H (mm)	Weight	Quantity
5803410	<b>1500 H 0-50</b>	4	50	30	10





**1500 H 1**

**TOOL HOOK inclined hook end**

✔ Suitable for perforated panels with square perforation 9 x 33 mm and 10 x 38 mm



Code	No.	∅	↳mm↳	↳mm↳	↳mm↳	↳mm↳
5803680	<b>1500 H 1-50</b>	4	50	30	10	

**1500 H 6**

**CABLE REEL HOOK**

✔ Suitable for perforated panels with square perforation 9 x 33 mm



Code	No.	W	H	D	↳mm↳	↳mm↳
5797850	<b>1500 H 6</b>	110	40	60	80	1

**1500 H 21**

**TOOL HOLDER double, vertical hook end**

✔ For hammers and ratchets  
✔ Suitable for perforated panels with square perforation 9 x 33 mm



Code	No.	∅	↳mm↳	↳mm↳	↳mm↳	↳mm↳
2008475	<b>1500 H 21-35</b>	6	35	76	5	
1879170	<b>1500 H 21-50</b>	6	50	80	5	
2008483	<b>1500 H 21-75</b>	6	75	90	5	

**1500 H 2 - 1500 H 3**

**SPRING CLAMP**

✔ Suitable for perforated panels with square perforation 9 x 33 mm and 10 x 38 mm



H2

H3



Code	No.	∅	↳mm↳	↳mm↳	↳mm↳	↳mm↳
2008351	<b>1500 H 2-10</b>	10	31	25	10	
5803760	<b>1500 H 2-13</b>	13	31	26	10	
2008378	<b>1500 H 2-16</b>	16	31	27	10	
5803840	<b>1500 H 3</b>	20-35	44	28	10	

**1500 H 18**

**TOOL HOOK straight mandrel**

✔ Suitable for perforated panels with square perforation 9 x 33 mm and 10 x 38 mm



Code	No.	∅	↳mm↳	↳mm↳	↳mm↳	↳mm↳
2008386	<b>1500 H 18-50</b>	6	50	34	10	
2008394	<b>1500 H 18-100</b>	6	100	46	10	
2008408	<b>1500 H 18-150</b>	6	150	56	10	

**1500 H 22**

**TOOL HOLDER for pliers**

✔ Suitable for perforated panels with square perforation 9 x 33 mm



Code	No.	W	D	↳mm↳	↳mm↳	↳mm↳
2008491	<b>1500 H 22-35</b>	35	20	62	5	
1879189	<b>1500 H 22-55</b>	55	20	66	5	
2008505	<b>1500 H 22-75</b>	75	20	68	5	

**1500 H 4**

**BASE PLATE**

✔ With M6 thread for universal fixing  
✔ Suitable for perforated panels with square perforation 9 x 33 mm and 10 x 38 mm



Code	No.	↳mm↳	↳mm↳
1446185	<b>1500 H 4</b>	12	10

**1500 H 19**

**TOOL HOLDER double, straight mandrel**

✔ Suitable for perforated panels with square perforation 9 x 33 mm



Code	No.	∅	↳mm↳	↳mm↳	↳mm↳	↳mm↳
2008416	<b>1500 H 19-50</b>	6	50	74	5	
2008424	<b>1500 H 19-100</b>	6	100	98	5	
2008432	<b>1500 H 19-150</b>	6	150	118	5	

**1500 H 23**

**MACHINE HOLDER for battery screwdriver**

✔ Suitable for perforated panels with square perforation 9 x 33 mm



Code	No.	∅	↳mm↳	↳mm↳	↳mm↳	↳mm↳
2008513	<b>1500 H 23-40</b>	40	68	5		
1879197	<b>1500 H 23-60</b>	60	60	5		
2008521	<b>1500 H 23-80</b>	80	80	5		

**1500 H 5**

**PAPER ROLL HOLDER**

✔ Suitable for perforated panels with square perforation 9 x 33 mm and 10 x 38 mm



Code	No.	↳mm↳	∅	↳mm↳	↳mm↳	↳mm↳
5798660	<b>1500 H 5</b>	250	6	80	1	

**1500 H 20**

**TOOL HOLDER vertical hook end**

✔ For ringspanners  
✔ Suitable for perforated panels with square perforation 9 x 33 mm and 10 x 38 mm

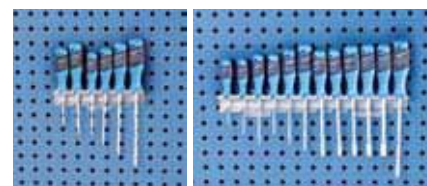


Code	No.	∅	↳mm↳	↳mm↳	↳mm↳	↳mm↳
1879162	<b>1500 H 20-35</b>	6	35	30	10	
2008440	<b>1500 H 20-70</b>	6	70	46	10	
2008459	<b>1500 H 20-135</b>	6	135	56	10	

**1500 H 24**

**TOOL HOLDER for screwdrivers**

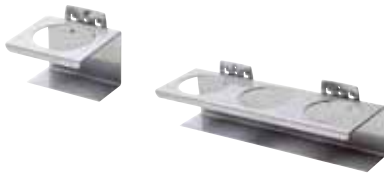
✔ Suitable for perforated panels with square perforation 9 x 33 mm



Code	No.	Execution	↳mm↳	↳mm↳	↳mm↳
1879200	<b>1500 H 24-6</b>	for 6 pieces	200	1	
2008548	<b>1500 H 24-12</b>	for 12 pieces	400	1	

**1500 H 25****TOOL HOLDER for 3 cans**

- Suitable for perforated panels with square perforation 9 x 33 mm



Code	No.	Ø	W	H	D	⚙	📦
2008556	<b>1500 H 25-1</b>	70	100	200	1	📦	
1879219	<b>1500 H 25-3</b>	70	300	600	1		

**1500 H 26****MOUNTING RAIL FOR STORAGE BOXES**

- Suitable for perforated panels with square perforation 9 x 33 mm
- No. 1500 H 26-1 for one storage box
- No. 1500 H 26 for up to 4 storage boxes (depending on width)
- Delivery without storage boxes



Code	No.	W	H	D	⚙	📦
2008564	<b>1500 H 26-1</b>	55	50	5	📦	
1933183	<b>1500 H 26</b>	495	418	1		

**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 9 x 33 mm



Code	No.	W	H	D	⚙	📦
1920634	<b>1500 H 27</b>	352	60	54	500	1

**1500 H 28****SHELF**

- Suitable for perforated panels with square perforation 9 x 33 mm



Code	No.	W	H	D	⚙	📦
1933191	<b>1500 H 28</b>	496	168	303	3000	1

**1500 H 29****TOOL HOOK inclined hook end**

- Suitable for perforated panels with square perforation 9 x 33 mm and 10 x 38 mm



Code	No.	Ø	W	H	D	⚙	📦
2008572	<b>1500 H 29-50</b>	6	50	34	10	📦	
2008580	<b>1500 H 29-100</b>	6	100	46	10	📦	

**1500 H 30****TOOL HOOK for sockets**

- Suitable for perforated panels with square perforation 9 x 33 mm and 10 x 38 mm



Code	No.	L <sub>1</sub>	L <sub>2</sub>	Ø	H	D	⚙
2008599	<b>1500 H 30</b>	15	40	6	34	10	📦

**1500 H 31****ROUND HOLDER**

- Suitable for perforated panels with square perforation 9 x 33 mm



Code	No.	W	L	H	D	⚙
2008602	<b>1500 H 31</b>	27	65	68	5	📦

**1500 H 32****SAW HOLDER**

- Suitable for perforated panels with square perforation 9 x 33 mm
- For 4 saws. Please order in pairs!



Code	No.	D	H	⚙	📦
2008610	<b>1500 H 32</b>	80	52	86	1

**1500 H 33****TUBE HOLDER**

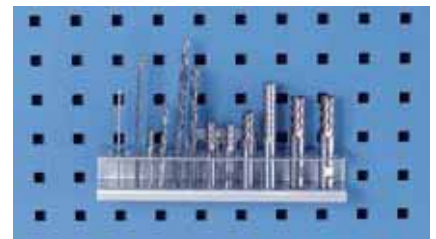
- Suitable for perforated panels with square perforation 9 x 33 mm
- Hook width 35 mm



Code	No.	W	H	D	Ø	⚙	📦
2008629	<b>1500 H 33-60</b>	58	67	74	60	114	1
2008637	<b>1500 H 33-100</b>	58	96	114	100	156	1

**1500 H 34****DRILL-BIT HOLDER**

- Suitable for perforated panels with square perforation 9 x 33 mm
- No. 1500 H 34-14 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
- No. 1500 H 34-28 with 28 holes, diam.:
- 4 ea. 3.2 4.2 6.5 7.5 8.5 16.5 mm, 2 ea. 10.5 12.5 mm



Code	No.	W	H	D	⚙	📦
2008645	<b>1500 H 34-14</b>	200	60	37	200	1
2008653	<b>1500 H 34-28</b>	390	60	37	400	1

**1500 H 35****HOLDER FOR ALLEN KEYS**

- Suitable for perforated panels with square perforation 9 x 33 mm



Code	No.	W	H	⚙	📦
2008661	<b>1500 H 35</b>	200	73	300	1



**1500 H 36**

**TOOL HOLDER**

- For customising (wooden plate)
- Suitable for perforated panels with square perforation 9 x 33 mm

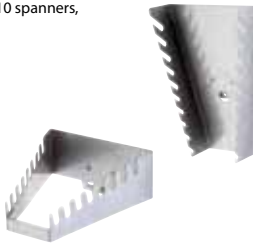


Code	No.	W	H	D	Icon 1	Icon 2	Icon 3
2008688	<b>1500 H 36</b>	340	55	135	1100	1	Icon

**1500 H 37 - 1500 H 38**

**SPANNER HOLDER**

- Suitable for perforated panels with square perforation 9 x 33 mm
- No. **1500 H 37**: for 8 spanners, suitable for no. 1 B, 2, 4, 6, 7, 7 R
- No. **1500 H 38**: for 10 spanners, suitable for no. 2, 6



Code	No.	W	H	D	Icon 1	Icon 2	Icon 3
2008696	<b>1500 H 37</b>	124	66	145	220	1	Icon
1920626	<b>1500 H 38</b>	75-147	227	60	400	1	Icon

**1500 HS**

**HOOK ASSORTMENT**

- Suitable for perforated panels with square perforation 9 x 33 mm

Code	No.	W	H	D	Icon 1	Icon 2	Icon 3
5802870	<b>1500 HS 1</b> 4x <b>1500 H</b> 0-50 18x <b>1500 H</b> 1-50 1x <b>H 6-8 B</b> 1x <b>VS 245 H</b>			1120	1		
5802950	<b>1500 HS 2</b> 23x <b>1500 H</b> 1-50 6x <b>1500 H</b> 2-13 2x <b>VS 245 H</b>			1000	1		
5803090	<b>1500 HS 3</b> 7x <b>1500 H</b> 0-50 24x <b>1500 H</b> 1-50 2x <b>1500 H</b> 2-13 2x <b>1500 H</b> 3 1x <b>VS 245 H</b>			1110	1		
5803170	<b>1500 HS 4</b> 4x <b>1500 H</b> 0-50 17x <b>1500 H</b> 1-50 6x <b>1500 H</b> 3 1x <b>VS 245 H</b>			870	1		
5803250	<b>1500 HS 5</b> 12x <b>1500 H</b> 0-50 20x <b>1500 H</b> 1-50 1x <b>1500 H</b> 38 1x <b>VS 245 H</b>			1540	1		
5803330	<b>1500 HS 6</b> 7x <b>1500 H</b> 0-50 25x <b>1500 H</b> 1-50 1x <b>VS 245 H</b>			1020	1		
5803920	<b>1500 HS 7</b> 12x <b>1500 H</b> 0-50 22x <b>1500 H</b> 1-50 3x <b>1500 H</b> 2-13 3x <b>1500 H</b> 3 1x <b>VS 245 H</b>			1260	1		
5805460	<b>1500 HS 8</b> 14x <b>1500 H</b> 0-50 18x <b>1500 H</b> 1-50 1x <b>H 6-12 B</b>			1510	1		
5805540	<b>1500 HS 9</b> 4x <b>1500 H</b> 0-50 16x <b>1500 H</b> 1-50 1x <b>H 6-8 B</b> 1x <b>VS 245 H</b>			1060	1		
5805620	<b>1500 HS 10</b> 9x <b>1500 H</b> 0-50 25x <b>1500 H</b> 1-50 2x <b>1500 H</b> 2-13 1x <b>1500 H</b> 3 1x <b>VS 245 H</b>			1170	1		

Code	No.	W	H	D	Icon 1	Icon 2	Icon 3
5799980	<b>1500 HS 11</b> 14x <b>1500 H</b> 0-50 23x <b>1500 H</b> 1-50 1x <b>1500 H</b> 2-13 2x <b>1500 H</b> 3 1x <b>1500 H</b> 38 1x <b>VS 245 H</b>			2000	1		
5805700	<b>1500 HS 12</b> 12x <b>1500 H</b> 0-50 25x <b>1500 H</b> 1-50 3x <b>1500 H</b> 2-13 3x <b>1500 H</b> 3 1x <b>VS 245 H</b>			1350	1		
5805890	<b>1500 HS 13</b> 16x <b>1500 H</b> 0-50 19x <b>1500 H</b> 1-50 3x <b>1500 H</b> 2-13 2x <b>1500 H</b> 3 1x <b>H 6-12 B</b> 1x <b>VS 245 H</b>			1810	1		
5802010	<b>1500 HS 14</b> 6x <b>1500 H</b> 0-50 20x <b>1500 H</b> 1-50 6x <b>1500 H</b> 2-13 1x <b>1500 H</b> 3 1x <b>H 6-8 B</b> 1x <b>VS 245 H</b> 1x <b>VS 19 H</b>			1800	1		
5805970	<b>1500 HS 15</b> 25x <b>1500 H</b> 1-50 9x <b>1500 H</b> 2-13 1x <b>1500 H</b> 3 2x <b>VS 245 H</b> 1x <b>VS 19 H</b>			1570	1		
5806510	<b>1500 HS 16</b> 7x <b>1500 H</b> 0-50 29x <b>1500 H</b> 1-50 5x <b>1500 H</b> 2-13 3x <b>1500 H</b> 3 1x <b>VS 245 H</b> 1x <b>VS 19 H</b>			1750	1		
5804060	<b>1500 HS 17</b> 15x <b>1500 H</b> 0-50 32x <b>1500 H</b> 1-50 4x <b>1500 H</b> 2-13 2x <b>1500 H</b> 3 1x <b>1500 H</b> 27 1x <b>1500 H</b> 38 2x <b>VS 245 H</b> 1x <b>VS 19 H</b>			2600	1		
5807160	<b>1500 HS 18</b> 12x <b>1500 H</b> 0-50 32x <b>1500 H</b> 1-50 4x <b>1500 H</b> 2-13 4x <b>1500 H</b> 3 1x <b>VS 245 H</b> 2x <b>VS 19 H</b>			2420	1		
5809370	<b>1500 HS 19</b> 4x <b>1500 H</b> 0-50 28x <b>1500 H</b> 1-50 3x <b>1500 H</b> 2-13 7x <b>1500 H</b> 3 2x <b>VS 245 H</b> 1x <b>VS 19 H</b>			1780	1		
5860050	<b>1500 HS 20</b> 7x <b>1500 H</b> 0-50 47x <b>1500 H</b> 1-50 2x <b>1500 H</b> 3 1x <b>VS 245 H</b>			1740	1		
5860130	<b>1500 HS 21</b> 15x <b>1500 H</b> 0-50 35x <b>1500 H</b> 1-50 5x <b>1500 H</b> 2-13 2x <b>1500 H</b> 3 1x <b>VS 245 H</b>			2660	1		
5860210	<b>1500 HS 22</b> 5x <b>1500 H</b> 0-50 38x <b>1500 H</b> 1-50 3x <b>1500 H</b> 2-13 8x <b>1500 H</b> 3 1x <b>VS 245 H</b> 2x <b>VS 19 H</b>			2450	1		
5804220	<b>1500 HS 23</b> 17x <b>1500 H</b> 0-50 43x <b>1500 H</b> 1-50 12x <b>1500 H</b> 2-13 10x <b>1500 H</b> 3 1x <b>1500 H</b> 27 1x <b>1500 H</b> 38 2x <b>VS 245 H</b> 1x <b>VS 19 H</b>			3200	1		
5860480	<b>1500 HS 24</b> 11x <b>1500 H</b> 0-50 42x <b>1500 H</b> 1-50 6x <b>1500 H</b> 2-13 4x <b>1500 H</b> 3 1x <b>VS 245 H</b> 2x <b>VS 19 H</b>			2810	1		
5860560	<b>1500 HS 25</b> 20x <b>1500 H</b> 0-50 42x <b>1500 H</b> 1-50 5x <b>1500 H</b> 2-13 3x <b>1500 H</b> 3 1x <b>H 6-12 B</b> 2x <b>VS 245 H</b> 1x <b>VS 19 H</b>			3170	1		

Code	No.	W	H	D	Icon 1	Icon 2	Icon 3
2008726	<b>1500 HS 26</b> 3x <b>1500 H</b> 29-100 4x <b>1500 H</b> 20-35 3x <b>1500 H</b> 21-35 1x <b>1500 H</b> 22-35 1x <b>1500 H</b> 23-40			616	1	Icon	
2008734	<b>1500 HS 27</b> 2x <b>1500 H</b> 2-10 1x <b>1500 H</b> 2-13 2x <b>1500 H</b> 20-70 2x <b>1500 H</b> 21-35 1x <b>1500 H</b> 21-50 2x <b>1500 H</b> 22-55 1x <b>1500 H</b> 24-6 5x <b>1500 H</b> 29-50 1x <b>1500 H</b> 34-14 1x <b>1500 H</b> 37			1322	1	Icon	
2008742	<b>1500 HS 28</b> 4x <b>1500 H</b> 20-35 2x <b>1500 H</b> 20-70 2x <b>1500 H</b> 20-100 6x <b>1500 H</b> 21-35 2x <b>1500 H</b> 22-35 1x <b>1500 H</b> 23-40 1x <b>1500 H</b> 24-6 3x <b>1500 H</b> 29-50 3x <b>1500 H</b> 29-100 2x <b>1500 H</b> 31 1x <b>1500 H</b> 34-14 1x <b>1500 H</b> 37			1768	1	Icon	
5802440	<b>1504 HG</b> 13x <b>1500 H</b> 0-50 13x <b>1500 H</b> 1-50 1x <b>H 6-12 B</b> 2x <b>VS 245 H</b>			2000	1		
5801550	<b>1582 HG</b> 10x <b>1500 H</b> 1-50 5x <b>1500 H</b> 2-13 5x <b>1500 H</b> 3			520	1		

**H 6**

**HOLDER**

- For double open ended spanner sets no. 6
- Suitable for perforated panels with square perforation 9 x 33 mm



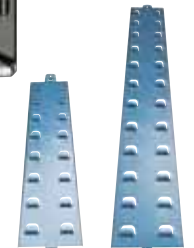
H 6-8 C



H 6-12 L



E-PH 6



H 6-8 B

H 6-12 B

Code	No.	W	H	D	Icon 1	Icon 2
5079110	<b>H 6-8 B</b> Sheet metal holder, empty for 8 spanners no. 6			400	1	
5079540	<b>H 6-12 B</b> Sheet metal holder, empty for 12 spanners no. 6			550	1	
5070080	<b>H 6-8 L</b> Plastic holder, empty for 8 spanners no. 6			150	1	
5070160	<b>H 6-12 L</b> Plastic holder, empty for 12 spanners no. 6			200	1	
5073930	<b>E-PH 6-8 L</b> Plastic holder, empty for 8 spanners no. 6			10	1	
5074070	<b>E-PH 6-12 L</b> Plastic holder, empty for 12 spanners no. 6			30	1	



Deviant packing units see article description.





### VH 1

#### TOOL HOLDER EMPTY for 8 spanners

- Suitable for the sets 1 B-080, 4-8, 6-8, and 7-080 as well for 7 R and 7 UR
- Delivery without tools



Code	No.	W	H	D	U	P
1465147	<b>VH 1</b>	60			1	

### WVH 1

#### TOOL HOLDER EMPTY for 8 spanners

- May be fixed firmly to various wall types
- Includes base support no. WH 1, tool holder no. VH 1, and 2 distance washers
- Suitable for the sets 1 B-080, 4-8, 6-8, and 7-080 as well as 7 R and 7 UR
- Delivery without tools



Code	No.	W	H	D	U	P
1465120	<b>WVH 1</b>	200			1	
Wall holder complete, empty						
1465155	<b>WH 1</b>	140			1	
Base support						
1476386	<b>WH 1 S</b>	160			1	
Base support with distance washers						
1465171	<b>E-WVH 1/4</b>	20			1	
Distance washers for WVH 1						



### VS 19 H

#### TOOL TRAY

- For sockets



Code	No.	W	D	U	P
5152640	<b>VS 19 H</b>	570	25-45	400	1

### VS 245 H

#### CHISEL HOLDER EMPTY

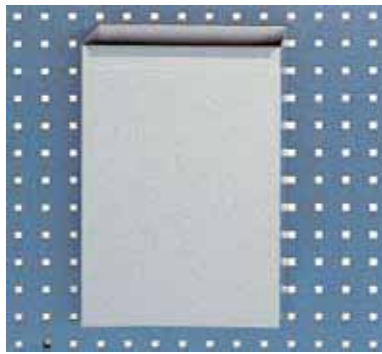


Code	No.	W	H	D	U	P
5456270	<b>VS 245 H</b>	195	95	22	60	1

### VS 1500 H

#### GENERAL PURPOSE BOX

- Dimensions: H 330 x W 230 x D 100/120 mm



Code	No.	U	P
5797770	<b>VS 1500 H</b>	1500	

### VS 1582

#### STORAGE TRAY



Code	No.	H	W	D	U	P
5150000	<b>VS 1582-1</b>	50	320	150	850	1
5150190	<b>VS 1582-2</b>	150	320	50	1200	1
5150270	<b>VS 1582-3</b>	100	320	90	700	1

### 1500 H 13

#### ANTI-SLIP MAT

- For all drawers in GEDORE tool trolleys and workbenches
- Length 2 meters, width 475 mm



Code	No.	U	P
5790250	<b>1500 H 13</b>	465	

## MERCHANDISERS (KEYHOLE-PERFORATION)

- Ideal sales displays for modern showrooms and sales areas
- Highly visible presentation of an extensive range of selected tools
- Easy push-fit assembly of all parts. Units can be readily combined to make larger displays
- The perforated panel units are free-standing, enabling tools to be displayed on both sides, and are freely combinable with the systems used by leading shop fitters
- Perfect illumination of the tools, generating an attractive promotional effect
- The GEDORE single panel unit is 1 m wide and 2.20 m high, and can be infinitely extended in metre-wide sections. (E = single panel unit; A = add-on panel)
- Detailed information available on request!

### 1500 H 15

#### WRITING SUPPORT

- For all GEDORE tool trolleys and workbenches
- Inclination adjustable
- Writing surface 310 x 400 mm
- Mounting material included
- Delivery without decoration



Code	No.	U	P
5806860	<b>1500 H 15</b>	4,5	

### 1500 H 16

#### SMALL-PARTS DRAWER FOR TOOL TROLLEYS

- To place on top of existing drawers of tool trolleys, additional surface for small parts
- Suitable for tool trolleys and workbenches in combination with modules 1500 ES: 2003, 2500, 3000, B 1500, 1502, 1504, 1505
- Suitable for tool trolleys and workbenches without using modules 1500 ES: 1580, 2000, 3010
- Tool trolley 2004: suitable for drawer height 137 and 207 mm, for 67 mm not in combination with 1500 ES
- Delivery without decoration



Code	No.	U	P
1761129	<b>1500 H 16</b>	700	

## STAND ASHTRAY

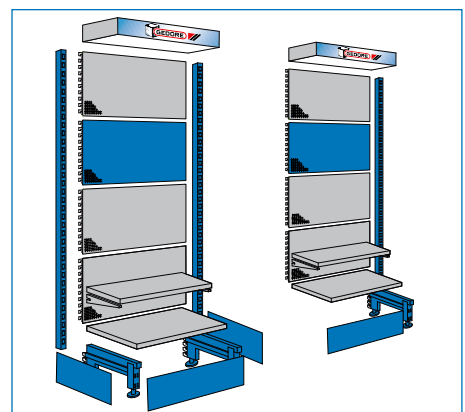
### 1500 ST

#### STAND ASHTRAY

- Sturdy design in powder-coated sheet steel



Code	No.	L	W	H	U	P
1531468	<b>1500 ST</b>	200	200	630	5.1	1





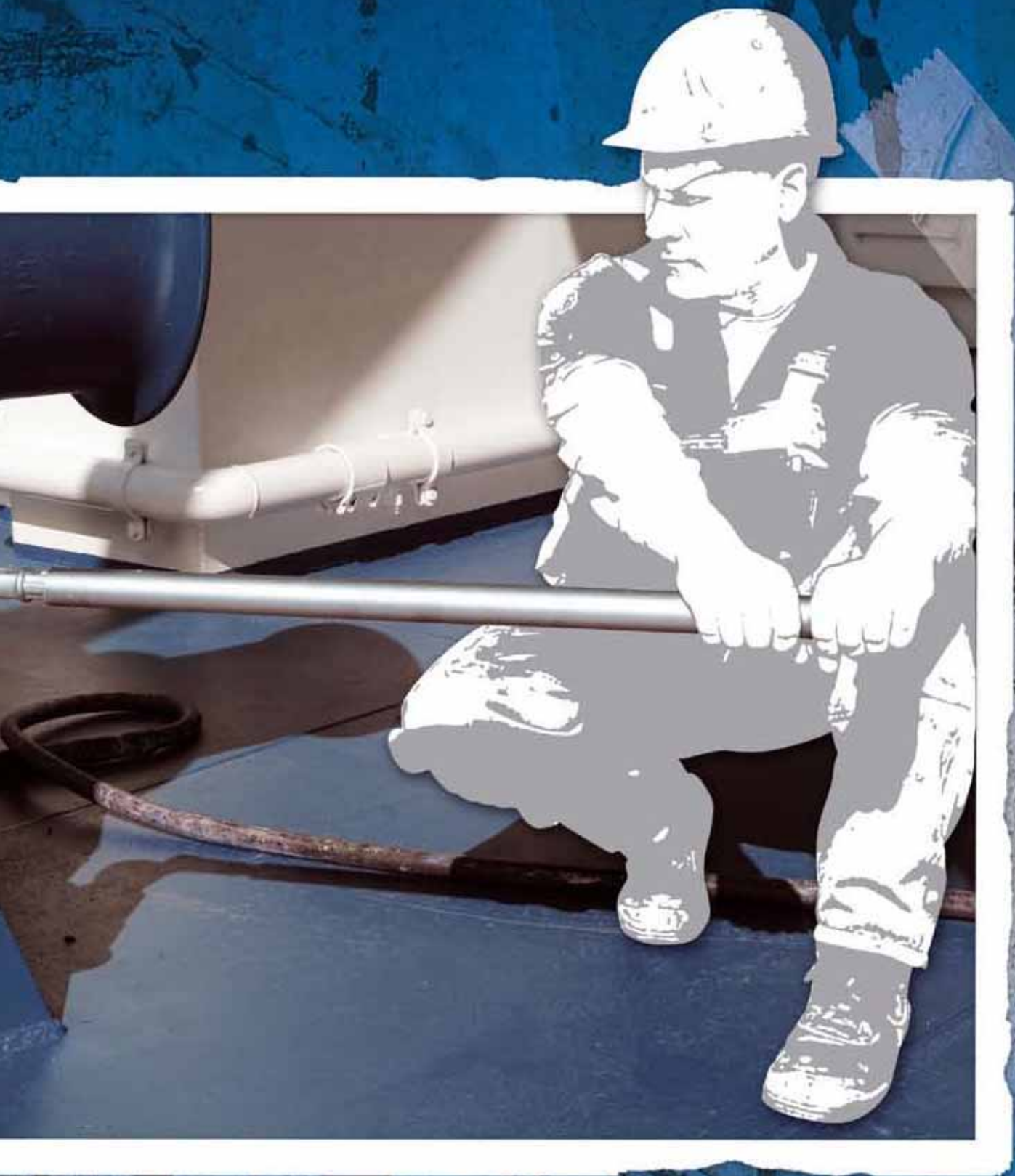
**GEDORE**

# PRECISE AND DURABLE QUALITY WITH PROFILE

## OVERVIEW

- ✔ Combination Spanners
- ✔ Slogging Spanners
- ✔ Ring Spanners
- ✔ Socket Wrenches
- ✔ Open Ended Spanners
- ✔ Crowfoot Spanners
- ✔ Hook Spanners
- ✔ Pin Spanners







## HIGH PROFILE SPANNERS

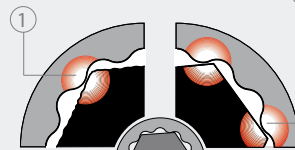


- ▶ Comfortable to hold due to ergonomic profiles without sharp edges
- ▶ Optimum cross-section for secure grip, even with oily hands
- ▶ High bending strength
- ▶ Carefully forged and professionally machined
- ▶ Non-dazzling matt chrome finish
- ▶ Large selection in standardised and non-standardised, metric and imperial sizes (AF and Whitworth)

### UNIT DRIVE profile protects bolt heads



The wave form of the profile enlarges the spanner grip in every case - even with bolts whose dimensions are outside the tolerance range.



2 The force works only on the flanks of the bolt heads. This means that the edges cannot be deformed and the bolt is effectively protected.

The contact surface between the spanner and the bolt head is markedly increased due to the wave form. It permits an even distribution of the pressure so that the greatest force is applied.

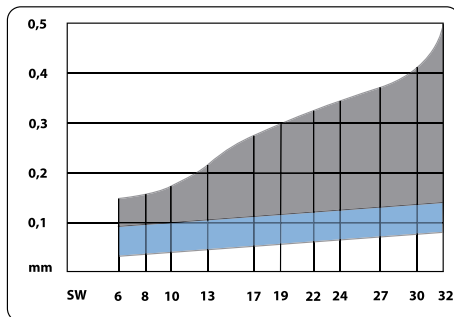


4 The profile ensures an especially-protective transfer of force. And with this, even damaged bolt heads may be gripped and turned.



## THE KEY TO SUCCESS

Hi-tech for the exact rated size

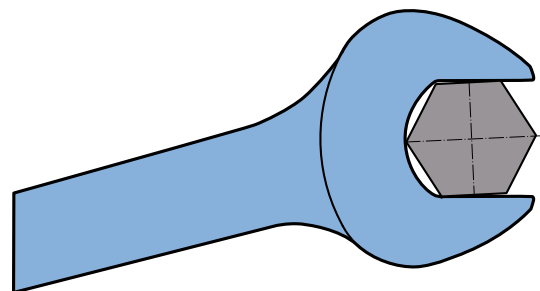


GEDORE DIN standard SW = spanner size

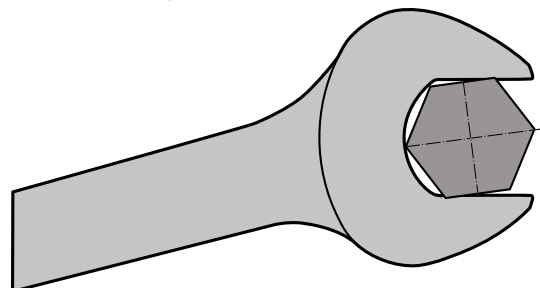


Open-ended spanners have been made since the dawn of technology. But the continued use of traditional tools does not automatically mean that they are still manufactured by conventional production processes. Tried and tested production stages are subject to continuous development by our workforce. Where modern technology can to permanently improve the quality, it is used. GEDORE grinds the spanner jaws to the exact rated size, using a hi-tech grinding machine. A perfect fit is the most important requirement for non-damaging and safe working.

- ▶ Precision dimensions ensure secure nut and bolt grip
- ▶ Long life of nut and bolt
- ▶ Complete transmission of the available torque
- ▶ Top quality for better working safety



Tolerances achieved by GEDORE



Tolerances permitted by DIN standards



# WHY THREE DIFFERENT COMBINATION SPANNERS?

The variety of nut and bolt tightening situations that occur in practice means that more than one single combination spanner is required. The spanner has to be properly matched to the intended purpose and the type of screwed joint. GEDORE therefore supplies three different types of combination spanner.

### No. 7 "Handy"

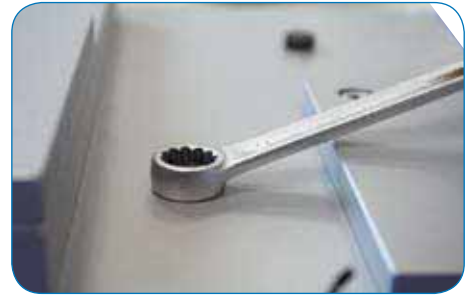
- ✔ Slim jaws
- ✔ Ring angle 15°, UD profile, slim ring
- ✔ Designed for universal use.

### No. 7 XL "Long and extra strong"

- ✔ Tough jaws with thin walls
- ✔ Ring angle 15°, UD profile, reinforced deep ring
- ✔ Ideally suited to extremely tight, high-torque screwed joints.

### No. 1B "The strong multi-talent"

- ✔ Ribbed open end for added strength
- ✔ Ring offset at 10°, UD profile, slim, deep ring
- ✔ The offset ring ensures a better grip on deep-seated nuts or bolts. Originally used in mechanical engineering or all situations where nuts or bolts are inset in counterbores.



# THE PRODUCTION OF A SPANNER

From the blank to the final product  
Quality Comes into Existence - Step by Step



**... High-Quality Steel**  
Highly-efficient eccentric presses cut the blank for an open-ended spanner from high-quality flat steel.



**... Thermally Hardened**  
Using a thermal special treatment, increases to maximum hardness - a guarantee of a long service life.



**... Carefully Smoothed**  
Any corners and edges still remaining are smoothed off by vibratory grinding, until the heads and the shaft are absolutely clean and free of burrs. The heads are additionally ground.



**... Hot Forging Process**  
In the pusher furnace, the blank is heated up 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 the drop hammer.



**... Precisely Ground**  
The jaws of the spanners are given their exact dimensions only after the hardening process. For this purpose, a highly-technical grinding robot has been developed - specially for this operation.



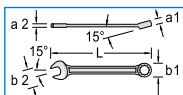
**... Extensively Treated**  
The extensive electroplating treatment gives the spanners an effective surface protection and a perfect appearance. With this process, an efficient recycling plant guarantees that the environment will not be affected.





**7****COMBINATION SPANNER with same size each end**

- ▶ Acc. to DIN 3113 Form A, ISO 3318, ISO 7738 (only metric sizes)
- ▶ GEDORE vanadium steel 31CrV3, chrome-plated
- ▶ With same size each end
- ▶ Ring 15° offset from shaft
- ▶ Sizes 3 to 5.5 with hexagon ring
- ▶ \* not standardised



Detailed information on products,  
promotions and trade fairs  
... [www.gedore.com](http://www.gedore.com)



Code	No.	*	L	a <sub>1</sub>	a <sub>2</sub>	b <sub>1</sub>	b <sub>2</sub>	↕	☰
6080680	<b>7 3</b>	*	78	2.8	2.8	6.5	9.2	8	5
6080760	<b>7 3,2</b>	*	78	2.8	2.8	6.5	9.2	8	5
6080840	<b>7 3,5</b>	*	78	2.8	2.8	6.5	9.2	8	5
6080920	<b>7 4</b>	*	85	3.2	3.2	7.7	11.8	10	5
6081060	<b>7 4,5</b>	*	85	3.2	3.2	7.7	11.8	10	5
6081140	<b>7 5</b>	*	92	3.6	3.6	9.7	13.2	12	10
6081220	<b>7 5,5</b>	*	92	3.6	3.6	9.7	13.2	12	10
6089550	<b>7 6</b>		100	5.0	3.4	10.0	16.2	12	10
6089630	<b>7 7</b>		110	5.5	3.6	11.5	17.5	15	10
6089710	<b>7 8</b>		120	6.0	3.8	12.7	19.8	20	10
6089980	<b>7 9</b>		130	6.5	4.0	14.0	21.5	32	10
6090050	<b>7 10</b>		140	7.0	4.2	15.5	23.0	34	10
6090130	<b>7 11</b>		150	7.5	4.5	17.0	26.0	45	10
6090210	<b>7 12</b>		160	8.0	4.8	18.5	27.5	50	10
6090480	<b>7 13</b>		170	8.5	5.0	19.5	30.0	65	10
6090560	<b>7 14</b>		180	9.0	5.2	21.0	31.8	73	10
6090640	<b>7 15</b>		190	9.5	5.5	22.5	34.0	90	10
6091610	<b>7 16</b>		200	10.0	5.8	23.0	35.0	120	10
6090720	<b>7 17</b>		210	10.5	6.0	25.0	38.0	105	10
6091880	<b>7 18</b>		220	11.0	6.2	26.0	40.0	165	10
6090800	<b>7 19</b>		230	11.5	6.5	28.0	42.0	150	10
6091960	<b>7 20</b>	*	240	12.0	6.8	29.0	44.2	220	10
6092180	<b>7 21</b>		252	12.5	7.0	30.0	45.5	250	10
6090990	<b>7 22</b>		262	13.0	7.2	32.0	48.0	215	10
6092260	<b>7 23</b>	*	270	13.5	7.6	33.0	49.5	335	10
6091020	<b>7 24</b>		282	14.0	8.0	35.0	52.5	295	10
6092340	<b>7 25</b>	*	290	14.5	8.2	36.0	54.5	410	10
6092420	<b>7 26</b>	*	302	15.0	8.2	37.0	56.5	450	10
6091100	<b>7 27</b>		310	15.5	8.5	39.0	59.5	400	10
6092500	<b>7 28</b>	*	320	16.0	8.8	40.0	60.0	440	10
6092690	<b>7 29</b>	*	330	16.5	8.8	41.5	61.5	500	10
6091290	<b>7 30</b>		340	17.0	9.0	43.0	63.0	544	10
6091370	<b>7 32</b>		380	18.0	9.5	46.0	67.5	624	10
1827987	<b>7 34</b>		420	19.0	10.0	49.0	72.0	750	1
6089470	<b>7 36</b>		460	20.0	10.5	52.0	75.0	880	1

Code	No.	L	a <sub>1</sub>	a <sub>2</sub>	b <sub>1</sub>	b <sub>2</sub>	↕	☰
1436767	<b>7 3/16AF</b>	85	3.2	3.2	7.7	11.8	12	1
1436775	<b>7 7/32AF</b>	92	3.6	3.6	9.7	13.2	12	1
6098700	<b>7 1/4AF</b>	100	5.0	3.4	10.0	16.2	14	1
6098890	<b>7 5/16AF</b>	120	6.0	3.8	12.7	19.8	20	1
6098970	<b>7 11/32AF</b>	130	6.5	4.0	14.0	21.5	30	1
6099190	<b>7 3/8AF</b>	140	7.0	4.2	15.5	23.0	45	1
6099270	<b>7 7/16AF</b>	150	7.5	4.5	17.0	26.0	45	1
6099430	<b>7 1/2AF</b>	170	8.5	5.0	19.5	30.0	50	1
6099510	<b>7 9/16AF</b>	180	9.0	5.2	21.0	31.8	65	1
6099780	<b>7 5/8AF</b>	200	10.0	5.8	23.0	35.0	75	1
6099860	<b>7 11/16AF</b>	220	11.0	6.2	26.0	40.0	100	1
6099940	<b>7 3/4AF</b>	230	11.5	6.5	28.0	42.0	135	1
6100030	<b>7 13/16AF</b>	252	12.5	7.0	30.0	45.5	180	1
6100110	<b>7 7/8AF</b>	262	13.0	7.2	32.0	48.0	190	1
6100380	<b>7 15/16AF</b>	282	14.0	8.0	34.0	52.5	240	1
6100460	<b>7 1AF</b>	302	15.0	8.2	36.0	56.5	300	1

**7****COMBINATION SPANNER SET**

- ▶ Selection of sizes most in use
- ▶ WVH = Set in tool holder



Code	No.	↕	☰
6092770	<b>7-08</b> 10 12 13 14 17 19 22 24	990	1
6092850	<b>7-080</b> 8 9 10 11 13 14 17 19	525	1
1751220	<b>VVH 7-080</b> 8 9 10 11 13 14 17 19	750	1
6093070	<b>7-011</b> 8 9 10 11 12 13 14 15 17 19 22	880	1
6096090	<b>7-0110</b> 7 8 10 11 12 13 14 16 17 18 19	500	1
6091530	<b>7-0112</b> 6 7 8 9 10 11 12 13 14 15 17 19	700	1
6093150	<b>7-012</b> 10 11 12 13 14 17 19 22 24 27 30 32	2600	1
6093580	<b>7-017</b> 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	1700	1
6093660	<b>7-020</b> 8 9 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 30 32	3600	1
6093740	<b>7-026</b> 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	5000	1
6091450	<b>7-08 A</b> 3/8 7/16 1/2 9/16 5/8 3/4 7/8 1"	1000	1





**7 XL**

**COMBINATION SPANNER with same size each end, extra long**

- Similar to DIN 3113
- GEDORE vanadium steel 31CrV3, chrome-plated
- With same size each end, ring offset at 15°



Code	No.	L	a <sub>1</sub>	a <sub>2</sub>	b <sub>1</sub>	b <sub>2</sub>	±	⊞
1394916	<b>7 XL 7</b>	160	6.5	4.0	12.5	18.5	40	10
6080090	<b>7 XL 8</b>	170	7.0	4.5	13.5	20.8	40	10
6080170	<b>7 XL 9</b>	180	7.5	4.5	14.5	22.5	50	10
6097300	<b>7 XL 10</b>	190	8.5	5.0	16.0	24.0	70	10
6097490	<b>7 XL 11</b>	200	9.0	5.5	17.5	27.0	70	10
6100540	<b>7 XL 12</b>	210	10.0	5.5	19.0	28.5	70	10
6100620	<b>7 XL 13</b>	225	10.5	6.0	20.0	31.0	90	10
6100700	<b>7 XL 14</b>	235	10.8	6.5	22.0	32.8	90	10
6100890	<b>7 XL 15</b>	250	11.2	7.0	23.0	35.0	110	10
6080250	<b>7 XL 16</b>	265	11.8	7.5	24.8	36.0	175	10
6100970	<b>7 XL 17</b>	280	12.2	8.5	26.0	39.0	135	10
6080330	<b>7 XL 18</b>	295	13.2	8.5	27.8	41.0	240	10
6101000	<b>7 XL 19</b>	310	14.2	9.5	29.0	43.0	200	10
6080410	<b>7 XL 21</b>	340	14.2	9.5	32.5	46.5	340	10
6101190	<b>7 XL 22</b>	350	16.2	11.0	33.5	49.0	260	10
1436783	<b>7 XL 23</b>	375	17.2	11.5	35.0	50.0	470	10
6101270	<b>7 XL 24</b>	400	18.2	12.0	36.5	53.5	370	10
6101350	<b>7 XL 27</b>	450	20.2	13.0	40.5	60.5	500	10
6101780	<b>7 XL 30</b>	480	21.2	14.0	44.5	64.0	900	1
6101430	<b>7 XL 32</b>	500	22.2	14.0	47.5	69.0	730	1
6101860	<b>7 XL 33</b>	520	23.2	15.0	48.0	72.0	1200	1
6101940	<b>7 XL 34</b>	520	23.2	15.0	50.5	72.0	1200	1
6101510	<b>7 XL 36</b>	550	24.2	15.0	53.0	76.0	1200	1
6102080	<b>7 XL 41</b>	600	26.0	16.0	62.0	84.5	2000	1
6102160	<b>7 XL 46</b>	640	28.0	17.0	70.0	96.0	2800	1



**7 XL**

**COMBINATION SPANNER SET extra long**

- Best selling sizes



Code	No.	±	⊞
6104880	<b>7 XL-080</b> 8 9 10 11 13 14 17 19	940	1
6104960	<b>7 XL-0111</b> 8 10 11 12 13 14 16 17 18 19 22	1930	1
6095950	<b>7 XL-012</b> 10 11 12 13 14 17 19 22 24 27 30 32	5000	1

**7 R**

**OPEN ENDED SPANNER WITH RING RATCHET**

- Flat pattern
- Fine-toothed (72 teeth) for ratchet loosening and fast tightening
- High torque transfer
- In combination with adaptor 618 (order separately) the spanner 7 R 10 mm can be used as a 1/4" bit ratchet



Code	No.	L	a <sub>1</sub>	a <sub>2</sub>	b <sub>1</sub>	b <sub>2</sub>	±	⊞
6081300	<b>7 R 8</b>	140.0	6.5	4.0	16.6	16.7	30	5
6081490	<b>7 R 9</b>	150.0	6.9	4.4	18.5	18.8	40	5
6081570	<b>7 R 10</b>	159.0	7.3	4.8	20.0	20.8	43	5
6081650	<b>7 R 11</b>	165.0	7.7	5.2	21.5	23.0	55	5
6081730	<b>7 R 12</b>	172.0	8.2	5.5	22.6	25.0	63	5
6081810	<b>7 R 13</b>	178.0	8.6	5.8	24.6	27.1	73	5
6082030	<b>7 R 14</b>	191.0	9.0	6.2	27.0	29.2	92	5
6082110	<b>7 R 15</b>	200.0	9.4	6.5	28.3	31.3	108	5
6082380	<b>7 R 16</b>	208.5	9.9	6.8	30.0	33.4	119	5
6082460	<b>7 R 17</b>	226.0	10.3	7.2	32.0	35.5	147	5
6082540	<b>7 R 18</b>	237.0	10.7	7.7	33.0	37.6	171	5
6082620	<b>7 R 19</b>	248.0	11.2	8.2	34.0	39.7	193	5
1673319	<b>7 R 22</b>	290.0	13.0	9.0	40.0	46.0	325	1
1673327	<b>7 R 24</b>	323.0	14.5	10.0	46.0	52.2	465	1
1827995	<b>7 R 27</b>	359.0	15.5	10.5	52.5	56.5	676	1
1828002	<b>7 R 30</b>	403.0	17.0	11.4	58.5	59.0	909	1
1828010	<b>7 R 32</b>	425.0	17.5	12.5	62.5	63.2	1056	1

Code	No.	L	a <sub>1</sub>	a <sub>2</sub>	b <sub>1</sub>	b <sub>2</sub>	±	⊞	⊞
1995863	<b>7 R 1/4AF</b>	127.5	6.3	3.9	14.0	15.0	24	1	⊞
1995871	<b>7 R 5/16AF</b>	140.0	6.5	4.0	16.6	16.7	30	1	⊞
1995898	<b>7 R 3/8AF</b>	159.0	7.3	4.8	20.0	20.8	48	1	⊞
1995901	<b>7 R 7/16AF</b>	165.0	7.7	5.2	21.8	23.0	58	1	⊞
1995928	<b>7 R 1/2AF</b>	178.0	8.6	5.8	24.7	27.1	80	1	⊞
1995936	<b>7 R 9/16AF</b>	191.0	9.0	6.2	27.0	29.2	98	1	⊞
1995944	<b>7 R 5/8AF</b>	208.0	9.9	6.8	30.0	33.4	140	1	⊞
1995952	<b>7 R 3/4AF</b>	248.0	11.2	8.2	33.8	39.7	206	1	⊞
1995960	<b>7 R 7/8AF</b>	290.0	13.0	9.0	40.0	46.0	350	1	⊞
1995979	<b>7 R 1AF</b>	323.0	14.5	10.0	46.0	52.2	496	1	⊞
1995987	<b>7 R 1.1/16AF</b>	359.0	15.5	10.5	52.5	56.5	660	1	⊞
1995995	<b>7 R 1.1/8AF</b>	403.0	17.0	11.4	58.5	62.7	876	1	⊞
1996002	<b>7 R 1.1/4AF</b>	425.0	17.5	12.5	62.5	66.4	1100	1	⊞

**7 R-005**

**OPEN ENDED SPANNERS WITH RING RATCHET SET 5 pieces**

- In plastic case
- Most used sizes combined in a set



Code	No.	±	⊞
1710974	<b>7 R-005</b> 8 10 13 17 19	950	1





### 7 R-012

#### OPEN ENDED SPANNERS WITH RING RATCHET SET 12 pieces

- All usual sizes combined in a set
- In sheet metal case
- Dimensions: 315 x 181 x 40 mm



Code	No.	⚖️	📦
1669605	<b>7 R-012</b> 8 9 10 11 12 13 14 15 16 17 18 19	2650	1

### 7 UR-012

#### COMBINATION RATCHET SPANNER SET 12 pieces

- Most used sizes in sheet metal case
- Dimensions: 315 x 181 x 40 mm

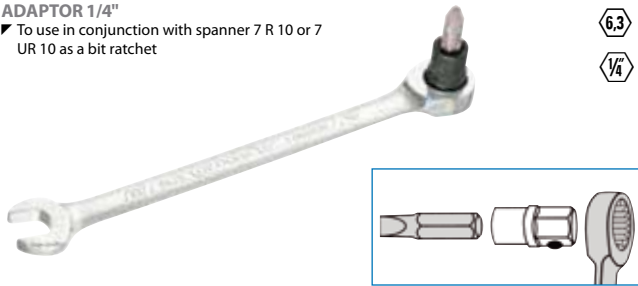


Code	No.	⚖️	📦
1669230	<b>7 UR-012</b> 8 9 10 11 12 13 14 15 16 17 18 19	2650	1

### 618

#### ADAPTOR 1/4"

- To use in conjunction with spanner 7 R 10 or 7 UR 10 as a bit ratchet



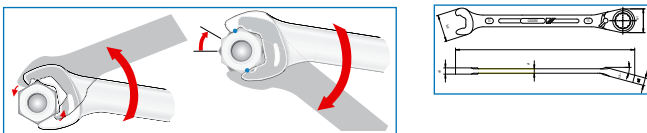
Code	No.	⊙"	⊙	⊙mm	⚖️	📦
1436791	<b>618</b>	1/4	6.3	10	20	10



### 7 UR

#### COMBINATION RATCHET SPANNER

- Ring offset (13°) with fine toothed ring ratchet (72 teeth), with lever change
- In combination with adaptor 618 (order separately) the spanner 7 UR 10 mm can be used as a 1/4" bit ratchet



Code	No.	L	a <sub>1</sub>	a <sub>2</sub>	b <sub>1</sub>	b <sub>2</sub>	⚖️	📦
1643045	<b>7 UR 8</b>	136	6.5	4.6	16.6	16.7	35	1
1643053	<b>7 UR 9</b>	145	6.9	4.9	18.4	18.8	44	1
1643061	<b>7 UR 10</b>	154	7.3	5.3	20.0	20.8	57	1
1643088	<b>7 UR 11</b>	160	7.7	5.6	21.8	23.0	66	1
1643096	<b>7 UR 12</b>	165	8.2	6.0	22.7	25.0	76	1
1643118	<b>7 UR 13</b>	171	8.6	6.4	24.7	27.1	89	1
1643126	<b>7 UR 14</b>	183	9.0	6.8	27.0	29.2	107	1
1643142	<b>7 UR 15</b>	192	9.4	7.0	28.3	31.3	119	1
1643150	<b>7 UR 16</b>	200	9.9	7.2	30.0	33.4	150	1
1643169	<b>7 UR 17</b>	216	10.3	7.7	31.8	35.5	164	1
1643177	<b>7 UR 18</b>	227	10.7	8.2	32.6	37.6	194	1
1643185	<b>7 UR 19</b>	238	11.2	8.8	33.8	39.7	225	1
1821784	<b>7 UR 22</b>	281	13.0	9.0	40.0	46.0	360	1
1821792	<b>7 UR 24</b>	311	14.5	10.0	46.0	52.2	510	1

## PRACTICAL HELPERS

### 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



Code	No.	⚖️	📦	📦
2000253	<b>635</b>		1	1



637

**RETAINING CLIP FOR NUTS**

- With magnetic holder
- Suitable for open ended and flat ring spanners size 10-19 mm



Code	No.		
1834150	637	6	1

649

**MINIATURE LED LAMP with swivel end in plastic box**

- With swivel end, magnetic
- Supplied with batteries in black plastic box, 106 x 60 x 24 mm



Code	No.		
1646451	649	60	1



639

**COMBINATION HOLDING TOOL**

- Small helper to hold nuts and washers in barely-accessible places
- For thread sizes from M3 to M8



Code	No.	L	W	H		
1640852	639	110	19.2	9.7	13	1

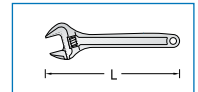


**OPEN ENDED SPANNERS**

60 CP

**ADJUSTABLE WRENCH open end, chrome-plated**

- To DIN 3117 Form A
- Jaw set at 15°
- Swedish pattern, roller with left hand thread
- With scale

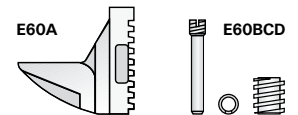


Code	No.	Size "	L	mm [E]	"Inch [E]	Knurl		
6380990	60 CP 6	6	155	20	25/32	0-20	150	1
6381020	60 CP 8	8	205	25	1	0-25	250	1
6381100	60 CP 10	10	255	30	1.3/16	0-30	450	1
6381290	60 CP 12	12	305	36	1.7/16	0-36	700	1

E-60

**SPARE PARTS FOR 60 CP**

- A = Jaw, BCD = Pin + Spring + Knurl



Code	No.		
5360830	E-60 CP-A 6	15	1
5360910	E-60 CP-A 8	35	1
5361050	E-60 CP-A 10	55	1
5361130	E-60 CP-A 12	100	1
5360080	E-60 P-A 6	20	1
5360160	E-60 P-A 8	40	1
5360240	E-60 P-A 10	70	1
5360320	E-60 P-A 12	100	1
5360400	E-60 BCD 6	5	1
5360590	E-60 BCD 8	10	1
5360670	E-60 BCD 10	20	1
5360750	E-60 BCD 12	25	1

**60 P - 62 P****ADJUSTABLE WRENCH open end, phosphated**

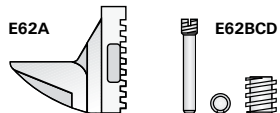
- Sizes 6" - 18" DIN 3117 Form A, jaw set at 15°
- Size 24" = DIN 3117 Form B, jaw set at 22,5°
- Swedish pattern, roller with left hand thread
- No. 60 P with scale



Code	No.	Size"	L	mm	"inch	mm	mm	mm
6380560	<b>60 P 6</b>	6	155	20	25/32	0-20	150	1
6380640	<b>60 P 8</b>	8	205	25	1	0-25	250	1
6380720	<b>60 P 10</b>	10	255	30	1.3/16	0-30	450	1
6380800	<b>60 P 12</b>	12	305	36	1.7/16	0-36	700	1
6368430	<b>62 P 15</b>	15	380	43	1.11/16	-	1050	1
6368510	<b>62 P 18</b>	18	455	53	2.1/16	-	1570	1
6360880	<b>62 P 24</b>	24	610	63	2.1/2	-	3480	1

**E-62****SPARE PARTS FOR 60 P**

- A = Jaw, BCD = Pin + Spring + Knurl



Code	No.	mm	mm
5368490	<b>E-62 P-A 15</b>	150	1
5368570	<b>E-62 P-A 18</b>	250	1
5374460	<b>E-62 P-A 24</b>	390	1
5367680	<b>E-62 BCD 15</b>	35	1
5367760	<b>E-62 BCD 18</b>	50	1
5374540	<b>E-62 BCD 24</b>	80	1

**60 S****ADJUSTABLE WRENCH open end**

- To DIN 3117 Form A, jaw set at 15°
- Swedish pattern, adjuster wheel with left-hand thread
- Includes adjustment scale
- The protected mechanism and additional striking face allow light blows to be applied without impairing the function of the wrench
- Comfort grip from the GEDORE Design Studio
- Grip recess ensures secure hold - even with greasy hands
- Plastic handle (versions JC and JP) for fatigue-free working
- Hanging hole
- Version C nickel and chrome plated, head ground
- Version P manganese phosphated, head ground
- Version JP and JC complete with plastic handle
- Patent registered



Code	No.	Size"	mm	mm	mm	mm
1966294	<b>60 S-8 P</b>	8	206.5	340	1	60
1966308	<b>60 S-8 JP</b>	8	206.5	360	1	60
1966316	<b>60 S-8 C</b>	8	206.5	340	1	60
1966324	<b>60 S-8 JC</b>	8	206.5	360	1	60

**625****MAGNETO SPANNER SET 11 pieces**

- Contents: 8 open ended spanners, 1 contact file, 1 screwdriver, 1 feeler gauge 0.40 mm



Code	No.	mm	mm
6524820	<b>625 M</b>	50	1
	4 4,5 5 5,5 6 6,5 7 7,5		
6524900	<b>625 A</b>	60	1
	3/16 7/32 1/4 9/32 5/16 11/32 3/8 7/16"		

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... [www.gedore.com](http://www.gedore.com)

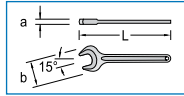




**894**

**SINGLE OPEN ENDED SPANNER**

- ✔ To DIN 894, ISO 3318 (only metric sizes)
- ✔ GEDORE vanadium steel 31CrV3
- ✔ Manganese-phosphate finish up to 38 mm, shotblast from 41 mm and larger
- ✔ Sizes 10 - 135 mm with hanging hole
- ✔ Jaw set at 15°
- ✔ \* not standardised



Code	No.	*	L	a	b	↕	📦
6573600	<b>894 6</b>		73	3.2	15.5	8	10
6573790	<b>894 7</b>		78	3.2	17.0	10	10
6573870	<b>894 8</b>		94	3.5	19.0	13	10
6573950	<b>894 9</b>		100	4.0	20.0	15	10
6574090	<b>894 10</b>		106	4.5	22.0	20	10
6574170	<b>894 11</b>		112	5.0	24.5	25	10
6574250	<b>894 12</b>		124	5.0	26.5	30	10
6574330	<b>894 13</b>		132	5.5	28.5	40	10
6574410	<b>894 14</b>		140	5.5	30.0	45	10
6574680	<b>894 15</b>		145	5.5	32.0	50	10
6574760	<b>894 16</b>		155	5.5	33.0	50	10
6574840	<b>894 17</b>		159	6.0	36.0	70	10
6575220	<b>894 18</b>		165	6.2	38.0	65	10
6575060	<b>894 19</b>		170	7.0	40.0	90	10
6575300	<b>894 22</b>		193	8.0	46.0	110	10
6575570	<b>894 24</b>		217	9.0	50.0	140	10
6575650	<b>894 25</b>	*	217	9.0	52.0	140	10
6575810	<b>894 27</b>		239	9.8	56.0	205	10
6576380	<b>894 30</b>		263	10.8	62.0	275	10
6576540	<b>894 32</b>		275	11.8	66.0	310	10
6575730	<b>894 34</b>		290	12.3	70.0	360	1
6576700	<b>894 36</b>		305	12.8	74.0	410	1
6576890	<b>894 38</b>	*	305	12.8	74.0	410	1
6576970	<b>894 41</b>		344	13.8	84.0	620	1
6577000	<b>894 46</b>		380	14.8	94.0	820	1
6577190	<b>894 50</b>		413	15.8	102.0	1000	1
6577270	<b>894 55</b>		459	16.8	112.0	1250	1
6577350	<b>894 60</b>		494	17.7	122.0	1550	1
6577430	<b>894 65</b>		528	18.7	132.0	1900	1
6577510	<b>894 70</b>		572	19.7	142.0	2150	1
6577780	<b>894 75</b>		610	20.7	152.0	2800	1
6577860	<b>894 80</b>		645	21.7	162.0	3100	1
6577940	<b>894 85</b>		690	23.0	173.0	3550	1
6578080	<b>894 90</b>	*	690	23.0	173.0	6800	1
6578160	<b>894 95</b>	*	847	25.0	195.0	6900	1
6578240	<b>894 100</b>	*	847	25.0	195.0	7400	1
6578320	<b>894 105</b>	*	1000	28.0	217.0	8600	1
6578400	<b>894 110</b>	*	1000	28.0	217.0	9000	1
6578590	<b>894 115</b>	*	1000	28.0	220.0	9300	1
6578670	<b>894 120</b>	*	1000	28.0	220.0	9600	1
6576030	<b>894 125</b>	*	1000	28.0	225.0	8300	1
6576110	<b>894 130</b>	*	1000	27.0	225.0	8300	1
6576460	<b>894 135</b>	*	1000	27.0	225.0	8300	1

Code	No.	L	a	b	↕	📦
6579210	<b>894 1/4AF</b>	73	3.2	15.5	8	10
6579560	<b>894 5/16AF</b>	94	3.5	19.0	13	1
6579720	<b>894 3/8AF</b>	100	4.0	20.0	15	1
6579990	<b>894 7/16AF</b>	112	5.0	24.5	25	1
6580060	<b>894 1/2AF</b>	132	5.5	26.5	30	5
6580140	<b>894 9/16AF</b>	140	5.5	30.0	45	1
6580300	<b>894 5/8AF</b>	155	5.5	33.0	50	1
6580490	<b>894 11/16AF</b>	165	6.2	38.0	70	1
6580570	<b>894 3/4AF</b>	170	7.0	40.0	90	1
6580730	<b>894 13/16AF</b>	170	7.0	40.0	90	1
6580810	<b>894 7/8AF</b>	193	8.0	46.0	110	1

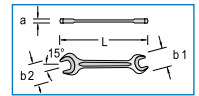
Code	No.	L	a	b	↕	📦
6581030	<b>894 15/16AF</b>	217	9.0	50.0	140	1
6581110	<b>894 1AF</b>	217	9.0	52.0	140	1
6581380	<b>894 1.1/16AF</b>	239	10.0	56.0	205	1
6581460	<b>894 1.1/8AF</b>	239	10.0	56.0	205	1

**DOUBLE OPEN ENDED SPANNERS**

**895**

**DOUBLE OPEN ENDED SPANNER**

- ✔ To DIN 895, ISO 3318, ISO 1085 (only metric sizes)
- ✔ GEDORE vanadium steel 31CrV3
- ✔ Manganese-phosphate finish up to 34x36 mm, shotblast 36x41 mm and larger
- ✔ Jaw set at 15°
- ✔ \* not standardised



Code	No.	*	L	a	b <sub>1</sub>	b <sub>2</sub>	↕	📦
6583830	<b>895 6x7</b>		96	3.2	15.0	17.0	10	5
6583910	<b>895 7x8</b>		107	3.7	17.0	19.0	15	5
6584130	<b>895 8x9</b>		108	3.7	19.0	20.5	15	5
6584210	<b>895 8x10</b>		114	4.2	19.0	22.0	20	10
6584640	<b>895 9x11</b>	*	122	5.0	20.5	24.5	30	5
6584720	<b>895 10x11</b>		124	5.0	22.0	24.5	30	5
6584800	<b>895 10x12</b>	*	128	5.0	22.0	26.5	40	10
6584990	<b>895 10x13</b>		128	5.0	22.0	28.5	40	10
6585100	<b>895 11x13</b>		140	5.5	24.5	28.5	40	5
6585370	<b>895 12x13</b>	*	140	5.5	26.5	28.5	40	5
6585450	<b>895 12x14</b>		140	5.5	26.5	30.0	40	10
6585530	<b>895 13x14</b>	*	140	5.5	28.5	30.0	40	1
6585610	<b>895 13x15</b>		154	5.5	28.5	32.0	60	5
6580220	<b>895 13x16</b>		154	5.5	28.5	33.0	60	1
6585880	<b>895 14x15</b>	*	154	5.5	30.0	32.0	60	1
6585960	<b>895 13x17</b>		158	6.0	28.5	36.0	70	10
6586180	<b>895 14x17</b>		158	6.0	30.0	36.0	70	5
6586260	<b>895 16x17</b>	*	158	6.0	33.0	36.0	80	10
6580650	<b>895 16x18</b>		168	6.5	33.0	38.0	90	1
6586340	<b>895 17x19</b>		171	7.0	36.0	40.0	100	10
6586500	<b>895 18x19</b>	*	171	7.0	38.0	40.0	100	5
6581540	<b>895 18x21</b>		192	8.0	38.0	44.0	125	1
6586420	<b>895 17x22</b>	*	192	8.0	36.0	46.0	135	1
6586690	<b>895 19x22</b>		195	8.0	40.0	46.0	135	10
6586850	<b>895 20x22</b>	*	195	8.0	42.5	46.0	135	1
6586770	<b>895 19x24</b>		207	9.0	40.0	50.0	155	10
6586930	<b>895 21x23</b>	*	221	9.0	44.0	49.0	170	1
6587070	<b>895 22x24</b>		221	9.0	46.0	50.0	180	10
6587150	<b>895 22x27</b>	*	233	9.8	46.0	56.0	220	1
6587230	<b>895 24x27</b>		246	9.8	50.0	56.0	270	10
6587580	<b>895 24x30</b>		269	10.8	50.0	62.0	330	5
6587310	<b>895 25x28</b>	*	246	9.8	53.0	58.0	330	1
6587660	<b>895 27x30</b>		275	10.8	56.0	62.0	400	5
6587740	<b>895 27x32</b>		275	11.8	56.0	66.0	400	5
6587820	<b>895 30x32</b>		278	11.8	62.0	66.0	400	5
6587900	<b>895 30x36</b>		306	12.8	62.0	74.0	520	1
6588040	<b>895 32x36</b>		310	12.8	66.0	74.0	520	1
6583080	<b>895 34x36</b>		320	13.3	70.0	74.0	520	1
6588120	<b>895 36x41</b>		347	13.8	74.0	84.0	680	1
6588200	<b>895 41x46</b>		383	14.8	84.0	94.0	950	1
6588390	<b>895 46x50</b>		420	15.8	94.0	102.0	1200	1
6588470	<b>895 50x55</b>		463	16.8	102.0	112.0	1550	1
6588550	<b>895 55x60</b>		504	17.7	112.0	122.0	1850	1
6588630	<b>895 65x70</b>	*	580	19.7	132.0	142.0	2700	1
6588710	<b>895 75x80</b>	*	665	21.7	152.0	162.0	4200	1

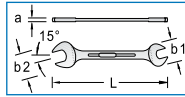


Code	No.	L	a	b <sub>1</sub>	b <sub>2</sub>	↔	⊞
6590020	<b>895 5/16x3/8AF</b>	114	4.5	19.0	22.0	30	1
6590100	<b>895 3/8x7/16AF</b>	124	5.0	22.0	24.5	30	1
6590290	<b>895 7/16x1/2AF</b>	140	5.5	24.5	28.5	40	1
6590370	<b>895 1/2x9/16AF</b>	141	5.5	28.5	30.0	40	1
6590450	<b>895 9/16x5/8AF</b>	155	5.5	30.0	33.5	60	1
6590880	<b>895 9/16x3/4AF</b>	171	7.0	30.0	40.0	100	1
6590960	<b>895 5/8x3/4AF</b>	171	7.0	33.5	40.0	100	1
6591180	<b>895 11/16x3/4AF</b>	171	7.0	36.0	40.0	120	1
6591340	<b>895 3/4x7/8AF</b>	195	8.0	40.0	46.5	135	1
6591690	<b>895 15/16x1.1/8AF</b>	246	9.8	50.0	58.0	180	1

## 6

### DOUBLE OPEN ENDED SPANNER

- ▶ To DIN 3110, ISO 3318, ISO 1085, ISO 10102 (only metric sizes)
- ▶ Slim pattern, oval shaft
- ▶ GEDORE vanadium steel 31CrV3, chrome-plated
- ▶ \* not standardised



Code	No.	*	L	a	b <sub>1</sub>	b <sub>2</sub>	↔	⊞
6063400	<b>6 4x4,5</b>	*	100	3.4	13.0	14.0	10	10
6063590	<b>6 4x5</b>	*	100	3.4	13.0	14.0	10	10
6063670	<b>6 5x5,5</b>	*	100	3.4	14.5	16.0	10	10
6063750	<b>6 5,5x7</b>	*	122	3.5	16.0	17.5	20	10
6063830	<b>6 6x7</b>		122	3.5	16.5	17.5	20	10
6063910	<b>6 6x8</b>	*	122	3.5	16.5	20.0	20	10
6064050	<b>6 7x8</b>		140	3.8	17.5	20.0	25	10
6064130	<b>6 7x9</b>	*	140	3.8	17.5	22.0	25	10
6064210	<b>6 8x9</b>		140	3.8	20.0	22.0	25	10
6064480	<b>6 8x10</b>		140	4.0	20.0	23.5	30	10
6064560	<b>6 9x10</b>	*	157	4.5	22.0	23.5	40	10
6064640	<b>6 9x11</b>	*	157	4.5	22.0	26.5	40	10
6064720	<b>6 10x11</b>		157	4.5	23.5	26.5	40	10
6064800	<b>6 10x12</b>	*	157	4.5	23.5	28.0	40	10
6064990	<b>6 10x13</b>		172	5.0	23.5	30.5	55	10
6065020	<b>6 10x14</b>	*	172	5.0	23.5	32.0	55	10
6065100	<b>6 11x13</b>		172	5.0	26.5	30.5	55	10
6065290	<b>6 11x14</b>	*	172	5.0	26.5	32.0	55	10
6065370	<b>6 12x13</b>		172	5.0	28.0	30.5	60	10
6065450	<b>6 12x14</b>		172	5.0	28.0	32.0	60	10
6065530	<b>6 13x14</b>		178	5.0	30.5	32.0	60	10
6065610	<b>6 13x15</b>		188	5.5	30.5	34.5	70	10
6068980	<b>6 13x16</b>		190	5.5	30.5	35.5	100	10
6065880	<b>6 14x15</b>		188	5.5	32.0	34.5	70	10
6065960	<b>6 13x17</b>		205	6.0	30.5	38.5	110	10
6066180	<b>6 14x17</b>		205	6.0	32.0	38.5	110	10
6066260	<b>6 16x17</b>		205	6.0	35.5	38.5	110	10
6066340	<b>6 16x18</b>		205	6.0	35.5	40.5	110	10
6066420	<b>6 17x19</b>		222	6.5	38.5	43.0	155	10
6066500	<b>6 18x19</b>		222	6.5	40.5	43.0	155	10
6069360	<b>6 18x21</b>		236	7.0	40.5	46.0	200	10
6066690	<b>6 17x22</b>	*	236	7.0	38.5	48.5	210	10
6066770	<b>6 19x22</b>		236	7.0	43.0	48.5	210	10
6066850	<b>6 20x22</b>	*	236	7.0	44.5	48.5	210	10
6066930	<b>6 19x24</b>		250	7.5	43.0	53.5	240	10
6067070	<b>6 21x23</b>	*	247	7.5	46.0	50.0	240	10
6069440	<b>6 21x24</b>		250	7.5	46.0	53.5	250	10
6067150	<b>6 22x24</b>		250	7.5	48.5	53.5	240	10
6067230	<b>6 22x27</b>	*	266	8.0	48.5	60.0	300	10
6067310	<b>6 24x26</b>	*	266	8.0	53.5	56.5	300	10
6067580	<b>6 24x27</b>		266	8.0	53.5	60.0	300	10
6067660	<b>6 24x30</b>		280	8.5	53.5	63.5	355	10

Code	No.	*	L	a	b <sub>1</sub>	b <sub>2</sub>	↔	⊞
6067740	<b>6 25x28</b>	*	280	8.5	55.0	60.0	355	10
6067820	<b>6 27x29</b>	*	302	9.0	60.0	63.5	460	10
6067900	<b>6 27x30</b>		302	9.0	60.0	63.5	460	10
6068040	<b>6 27x32</b>		302	9.0	60.0	68.0	460	10
6068120	<b>6 30x32</b>		302	9.0	63.5	68.0	460	10
6069520	<b>6 30x34</b>		302	9.0	63.5	72.0	540	10
6068200	<b>6 30x36</b>		328	9.4	63.5	76.0	650	1
6068390	<b>6 32x36</b>		328	9.4	68.0	76.0	650	1
6069600	<b>6 34x36</b>		328	9.4	72.0	76.0	560	1
6068470	<b>6 36x41</b>		360	10.0	76.0	84.5	830	1
6068550	<b>6 38x42</b>	*	360	10.0	77.0	86.0	830	1
6068630	<b>6 41x46</b>		400	10.7	86.5	95.5	1150	1
6068710	<b>6 46x50</b>		450	11.6	95.5	102.0	1500	1

Code	No.	L	a	b <sub>1</sub>	b <sub>2</sub>	↔	⊞
6070020	<b>6 1/4x5/16AF</b>	122	3.7	17.5	20.0	20	1
6070100	<b>6 5/16x3/8AF</b>	140	4.0	20.0	23.5	25	1
6060060	<b>6 5/16x11/32AF</b>	140	4.0	20.5	22.5	40	1
6070290	<b>6 3/8x7/16AF</b>	157	4.5	23.5	26.5	40	1
6070370	<b>6 7/16x1/2AF</b>	172	5.0	26.5	30.0	55	1
6070450	<b>6 1/2x9/16AF</b>	190	5.5	30.0	33.0	70	1
6070530	<b>6 9/16x5/8AF</b>	190	5.5	33.0	36.0	70	1
6070610	<b>6 19/32x11/16AF</b>	205	6.0	34.5	39.5	110	1
6070880	<b>6 5/8x11/16AF</b>	205	6.0	36.0	39.5	110	1
6070960	<b>6 5/8x3/4AF</b>	222	6.5	36.0	42.5	155	1
6071180	<b>6 11/16x3/4AF</b>	222	6.5	39.5	42.5	155	1
6071260	<b>6 3/4x25/32AF</b>	222	6.5	42.5	43.5	155	1
6071340	<b>6 3/4x7/8AF</b>	236	7.0	42.5	48.5	210	1
6071420	<b>6 25/32x13/16AF</b>	236	7.0	44.5	46.0	210	1
6071500	<b>6 13/16x7/8AF</b>	236	7.0	46.0	48.5	210	1
6071690	<b>6 7/8x15/16AF</b>	250	7.5	48.5	52.0	240	1
6073550	<b>6 7/8x1.1/16AF</b>	266	8.0	48.5	60.0	310	1
6071770	<b>6 15/16x1AF</b>	266	8.0	52.0	55.0	300	1
6071850	<b>6 15/16x1.1/8AF</b>	280	8.5	56.0	63.5	355	1
6071930	<b>6 1x1.1/8AF</b>	280	8.5	55.0	63.5	355	1
6072070	<b>6 1.1/16x1.1/8AF</b>	302	9.0	60.0	64.5	460	1
6072150	<b>6 1.1/16x1.1/4AF</b>	302	9.0	60.0	68.0	460	1
6072230	<b>6 1.1/8x1.5/16AF</b>	302	9.0	65.5	70.5	460	1
6072310	<b>6 1.3/16x1.5/16AF</b>	302	9.0	65.5	70.5	460	1
6072580	<b>6 1.1/4x1.3/8AF</b>	328	9.4	69.5	75.5	650	1
6072660	<b>6 1.1/4x1.7/16AF</b>	328	9.4	69.5	75.5	650	1
6072740	<b>6 1.5/16x1.1/2AF</b>	328	9.4	74.0	79.0	650	1
6072820	<b>6 1.3/8x1.1/2AF</b>	328	9.4	74.0	79.0	650	1

Code	No.	L	a	b <sub>1</sub>	b <sub>2</sub>	↔	⊞
6074440	<b>6 1/8x3/16W</b>	157	4.5	21.0	27.0	40	1
6074520	<b>6 3/16x1/4W</b>	172	5.0	27.0	31.0	55	1
6074600	<b>6 1/4x5/16W</b>	190	5.5	31.0	35.0	70	1
6074790	<b>6 5/16x3/8W</b>	205	6.0	35.0	40.5	110	1
6074870	<b>6 3/8x7/16W</b>	236	7.0	40.5	46.0	210	1
6074950	<b>6 7/16x1/2W</b>	250	7.5	46.0	51.0	240	1
6075090	<b>6 1/2x9/16W</b>	266	8.0	51.0	55.5	300	1
6075250	<b>6 9/16x5/8W</b>	280	8.5	56.0	63.5	355	1
6075330	<b>6 9/16x11/16W</b>	280	8.5	56.0	63.5	355	1
6075410	<b>6 5/8x3/4W</b>	302	9.0	65.5	70.5	460	1
6075680	<b>6 11/16x3/4W</b>	302	9.0	65.5	70.5	460	1
6075840	<b>6 3/4x7/8W</b>	328	9.4	74.0	79.0	650	1
6075920	<b>6 7/8x1.1W</b>	360	10.0	77.0	86.0	830	1





**6**

**DOUBLE OPEN ENDED SPANNER SET**

- Sets of the most used sizes
- H = set in stable plastic holder
- VVH = set in tool holder



Code	No.	↕	📦
6076810	<b>6-6</b> 6x7 8x9 10x11 12x13 14x15 16x17	350	1
6077380	<b>6-8</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22	750	1
6077540	<b>6-10</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27	1300	1
6077620	<b>6-100</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 24x27 30x32	1250	1
6077700	<b>6-12</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x26 25x28 27x32	2050	1
6077890	<b>6-120</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32	2150	1
6078350	<b>6-122 ISO</b> 6x7 8x9 10x11 12x13 14x15 16x18 17x19 20x22 21x23 24x26 27x32 30x34	2600	1
6079400	<b>H 6-8</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22	900	1
1754688	<b>VVH 6-8</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22	980	1
6079670	<b>H 6-12</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x26 25x28 27x32	2350	1
6079750	<b>H 6-120</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32	2200	1
6078000	<b>6-600 A</b> 3/8x7/16 1/2x9/16 5/8x11/16 3/4x25/32 13/16x7/8 15/16x1"	850	1
6078270	<b>6-8 A</b> 1/4x5/16 5/16x3/8 7/16x1/2 9/16x5/8 19/32x11/16 3/4x25/32 13/16x7/8 15/16x1"	950	1
6078510	<b>6-12 A</b> 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"	1650	1

**8**

**DOUBLE ENDED MIDGET SPANNER small**

- With same size each end, flat, rings offset at 15° and 75°
- GEDORE vanadium steel 31CrV3, chrome-plated



Code	No.	L	a	b	↕	📦
6093900	<b>8 4</b>	69.0	2.2	10.4	7	10
6094040	<b>8 4,5</b>	69.0	2.2	10.4	7	10
6094120	<b>8 5</b>	77.3	2.2	12.4	7	10
6094200	<b>8 5,5</b>	77.3	2.2	12.4	10	10
6094390	<b>8 6</b>	77.3	2.2	12.4	10	10
6094470	<b>8 7</b>	89.5	2.6	14.8	10	10
6094550	<b>8 8</b>	95.5	3.1	17.5	15	10
6094630	<b>8 9</b>	103.8	3.1	20.2	15	10
6094710	<b>8 10</b>	103.8	3.1	20.2	20	10
6094980	<b>8 11</b>	115.2	3.1	24.0	20	10
6095010	<b>8 12</b>	115.2	3.1	24.0	35	10
6095280	<b>8 13</b>	130.5	3.1	28.0	35	10
6095360	<b>8 14</b>	130.5	3.1	28.0	35	10

Code	No.	L	a	b	↕	📦	🔗
6096170	<b>8 5/32AF</b>	69.0	2.2	10.4	7	1	🔗
1965190	<b>8 3/16AF</b>	69.0	2.2	10.4	5	1	🔗
1965204	<b>8 7/32AF</b>	77.3	2.2	12.4	6	1	🔗
1965212	<b>8 1/4AF</b>	77.3	2.2	12.4	8	1	🔗
1965220	<b>8 9/32AF</b>	89.5	2.6	14.8	12	1	🔗
1965239	<b>8 5/16AF</b>	95.5	3.1	17.5	13	1	🔗
1965247	<b>8 11/32AF</b>	103.8	3.1	20.2	15	1	🔗
6096920	<b>8 3/8AF</b>	103.8	3.1	20.2	16	1	🔗
1965255	<b>8 7/16AF</b>	115.2	3.1	24.0	20	1	🔗



**8-0100**

**DOUBLE ENDED MIDGET SPANNER SET 10 pieces**

- In blue plastic wallet



Code	No.	↕	📦
6099000	<b>8-0100</b> 5 5,5 6 7 8 9 10 11 12 13	180	1

**8-011**

**DOUBLE ENDED MIDGET SPANNER SET 11 pieces**

- In plastic case
- With "Check-Tool-System": 2-colour plastic insert to check that the set is complete



Code	No.	↕	📦
1879146	<b>8-011</b> 4,5 5 5,5 6 7 8 9 10 11 12 13	280	1

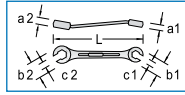


## DOUBLE ENDED RING SPANNERS

400

### FLARE NUT SPANNER open

- To DIN 3118 (only metric sizes)
- Ring offset at 15°
- Hexagon gap 30° offset, UD-section at 15° offset
- Sizes 8x10 to 12x14 mm and 5/16x3/8 to 1/2x9/16AF with hexagon
- GEDORE vanadium steel 31CrV3, chrome-plated
- \* not standardised



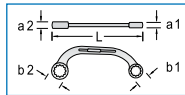
Code	No.	*	L	a <sub>1</sub>	a <sub>2</sub>	b <sub>1</sub>	b <sub>2</sub>	c <sub>1</sub>	c <sub>2</sub>	↺	↻
6057190	400 8x10	☞	140	6.5	8.0	18.0	20	6.0	7.0	45	10
6056970	400 9x11	*	145	7.5	8.5	19.0	22	6.5	8.5	50	10
6057270	400 10x11		150	8.0	8.5	20.0	22	7.0	8.5	55	10
6051070	400 10x12	*	150	8.0	9.5	20.0	24	7.0	9.0	110	5
6057350	400 11x13		160	8.5	10.5	22.0	26	8.5	10.0	75	10
6057430	400 12x14		170	9.5	11.2	24.0	28	9.0	11.0	100	10
6057000	400 13x15	* ☞	180	10.5	11.8	26.0	29	10.0	12.0	110	10
6057510	400 14x17		195	11.5	12.2	28.0	32	11.0	14.0	135	10
6057780	400 17x19		210	12.2	13.2	32.0	35	14.0	15.0	160	10
6058670	400 19x22		230	13.2	15.2	35.0	41	15.0	17.0	300	10
6057860	400 22x24		250	15.2	16.2	41.0	45	17.0	18.0	320	10
6058750	400 24x27		270	16.2	17.2	45.0	48	18.0	20.0	350	10
6058830	400 30x32		300	20.2	22.2	50.0	52	22.0	24.0	400	5
1933175	400 36x41	*	351	25.2	28.2	59.0	67	25.0	32.0	575	1

Code	No.	L	a <sub>1</sub>	a <sub>2</sub>	b <sub>1</sub>	b <sub>2</sub>	c <sub>1</sub>	c <sub>2</sub>	↺	↻	
6057940	400 5/16x3/8AF	☞	140	6.5	8.0	18.0	20	6.0	7.0	45	1
6058080	400 3/8x7/16AF		150	8.0	8.5	20.0	22	7.0	8.5	55	1
6058160	400 7/16x1/2AF		160	8.5	10.5	22.0	26	8.5	10.0	75	1
6058240	400 1/2x9/16AF		170	9.5	11.2	24.0	28	10.0	11.0	100	1
6058320	400 9/16x5/8AF	☞	195	11.2	12.2	28.0	32	11.0	13.0	135	1
6058400	400 5/8x3/4AF		210	12.2	13.2	32.0	35	13.0	15.0	160	1
6056700	400 3/4x7/8AF		230	13.2	15.2	35.0	41	15.0	17.0	280	1
6058590	400 7/8x1AF		250	15.2	16.2	41.0	45	17.0	19.0	320	1

304

### HALF-MOON RING SPANNER

- Thin walled
- GEDORE vanadium steel 31CrV3, chrome-plated



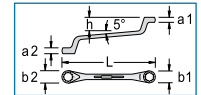
Code	No.	L	a <sub>1</sub>	a <sub>2</sub>	b <sub>1</sub>	b <sub>2</sub>	↺	↻
6470040	304 11x13	150	7.0	7.5	17.0	20.5	75	10
6470630	304 13x15	185	8.5	8.5	20.5	23.0	130	10
6470120	304 13x17	185	8.5	8.5	20.5	25.5	135	10
6470200	304 14x16	185	8.5	8.5	21.5	24.5	130	10
6470390	304 14x17	185	8.5	8.5	21.5	25.5	135	10
6470470	304 15x17	185	8.5	8.5	23.0	25.5	135	10
6567550	304 16x18	185	8.5	8.5	24.5	27.0	150	10
6470550	304 19x22	230	10.0	10.5	28.0	32.5	275	10

Code	No.	L	a <sub>1</sub>	a <sub>2</sub>	b <sub>1</sub>	b <sub>2</sub>	↺	↻
6471010	304 7/16x1/2AF	150	7.0	7.5	17.0	20.5	75	5
6471280	304 9/16x5/8AF	185	8.5	8.5	21.5	24.5	135	5
6471360	304 5/8x3/4AF	230	10.0	10.5	24.5	28.0	275	1
6471440	304 3/4x7/8AF	230	10.0	10.5	28.0	32.5	275	1

2

### DOUBLE ENDED RING SPANNER

- Rings deep offset, strong but thin walls
- To DIN 838, ISO 3318, ISO 1085, ISO 10104 (only metric sizes)
- GEDORE vanadium steel 31CrV3, chrome-plated
- \* not standardised



Code	No.	*	L	a <sub>1</sub>	a <sub>2</sub>	b <sub>1</sub>	b <sub>2</sub>	h	↺	↻
6010630	2 5,5x7	* ☞	170	5.6	6.6	10.0	12.0	20.7	55	5
6015350	2 6x7		170	5.6	6.6	10.5	12.0	20.7	50	10
6015430	2 7x8		180	5.6	6.6	12.0	13.3	21.7	65	10
6015510	2 8x9		182	6.6	7.6	13.3	14.4	21.7	65	10
6015780	2 8x10		182	6.6	8.5	13.3	15.9	21.7	65	10
6015860	2 9x11	*	195	7.6	9.5	14.4	17.5	23.6	95	10
6015940	2 10x11		195	8.5	9.5	15.9	17.5	23.6	95	10
6016080	2 10x12	*	195	8.5	9.6	15.9	19.0	23.6	95	10
6016160	2 10x13		212	8.5	10.3	15.9	20.1	25.1	110	10
6016320	2 11x13		212	9.5	10.3	17.5	20.1	25.1	110	5
6016400	2 11x14	*	212	9.5	10.6	17.5	21.6	25.1	110	5
6016590	2 12x13		212	9.6	10.3	19.0	20.1	25.1	120	10
6016670	2 12x14		212	9.6	10.6	19.0	21.6	25.1	120	5
6016750	2 13x14		225	10.3	10.6	20.1	21.6	26.1	120	5
6016830	2 13x15		225	10.3	11.3	20.1	23.1	26.1	155	5
6016910	2 14x15		225	10.6	11.3	21.6	23.1	26.1	155	10
6025310	2 13x16		235	10.3	11.6	20.1	24.2	26.1	155	5
6017050	2 13x17		245	10.3	12.3	20.1	25.8	27.1	210	5
6017130	2 14x17		245	10.6	12.3	21.6	25.8	27.1	210	5
6017210	2 16x17		245	11.6	12.3	24.2	25.8	27.1	210	10
6025660	2 16x18		265	11.6	12.6	24.2	27.0	28.6	210	5
6017480	2 17x19		265	12.3	13.0	25.8	28.8	28.6	260	10
6017560	2 18x19		265	12.6	13.0	27.0	28.8	28.6	260	10
6025740	2 18x21		285	12.6	13.4	27.0	31.1	31.0	325	5
6017720	2 19x22		287	13.0	14.3	28.8	33.0	31.0	325	5
6017800	2 20x22	*	287	13.3	14.3	30.1	33.0	31.0	325	5
6017990	2 19x24		305	13.0	14.4	28.8	35.7	33.0	410	5
6018020	2 21x23	*	305	13.4	14.3	30.9	34.0	33.0	410	5
6025820	2 21x24		307	13.4	14.4	30.9	35.7	33.0	410	1
6018100	2 22x24		307	14.3	14.4	32.8	35.7	33.0	410	10
6018290	2 22x27	*	325	14.3	15.4	32.8	40.1	34.5	475	5
6018370	2 24x26	*	325	14.4	15.3	35.7	38.0	34.5	475	5
6018450	2 24x27		325	14.4	15.4	35.7	40.1	34.5	475	10
6018530	2 24x30		345	14.4	16.4	35.7	44.1	35.5	580	5
6018610	2 25x28	*	345	14.4	15.4	37.0	41.1	35.5	580	5
6018880	2 27x29	*	345	14.8	16.4	40.1	42.5	35.5	680	1
6018960	2 27x30		345	15.4	16.4	40.1	44.1	35.5	680	5
6019180	2 27x32		370	15.4	17.4	40.1	47.1	37.4	680	5
6019260	2 30x32		370	16.4	17.4	44.1	47.1	37.4	680	5
6025900	2 30x34		375	16.4	18.7	44.1	50.0	37.4	680	1
6019340	2 30x36		400	16.4	19.4	43.6	53.0	38.4	1000	1
6019420	2 32x36		400	17.4	19.4	47.1	53.0	38.4	1100	1
6026040	2 34x36		420	18.7	19.4	50.0	53.0	38.4	950	1
6019500	2 36x41		440	19.4	20.4	53.0	60.5	40.4	1210	1
6019690	2 38x42	*	440	19.7	20.4	56.4	62.5	40.4	1210	1
6019770	2 41x46		485	20.4	22.2	62.0	68.9	42.8	1600	1
6019850	2 46x50		535	22.2	23.6	68.9	75.5	47.8	2150	1
6019930	2 55x60	* ☞	610	24.6	25.6	84.9	91.8	54.2	3150	1
6020000	2 65x70	* ☞	685	26.6	27.6	101.4	107.4	58.1	4650	1
6020190	2 75x80	* ☞	790	29.0	30.0	120.0	127.0	61.0	6200	1
6010980	2 85x90	* ☞	800	29.0	30.0	120.0	127.0	61.0	7000	1



Code	No.	L	a <sub>1</sub>	a <sub>2</sub>	b <sub>1</sub>	b <sub>2</sub>	h	↕	☒
6021400	<b>2 1/4x5/16AF</b>	170	6.0	7.2	11.0	13.2	20.7	50	1
6021590	<b>2 5/16x3/8AF</b>	180	7.2	8.2	13.2	15.2	21.7	65	1
6021670	<b>2 3/8x7/16AF</b>	195	8.2	9.5	15.2	17.5	23.6	95	1
6021750	<b>2 7/16x1/2AF</b>	212	9.5	10.0	17.5	20.0	25.1	110	1
6021830	<b>2 1/2x9/16AF</b>	225	10.0	10.6	20.0	22.1	26.1	155	1
6021910	<b>2 9/16x5/8AF</b>	225	10.6	11.6	22.1	24.2	26.1	155	1
6022050	<b>2 19/32x11/16AF</b>	245	11.3	12.3	22.9	26.5	27.1	210	1
6022130	<b>2 5/8x11/16AF</b>	245	11.6	12.3	24.2	26.5	27.1	210	1
6022210	<b>2 5/8x3/4AF</b>	265	11.6	13.0	24.2	29.0	28.6	260	1
6022480	<b>2 11/16x3/4AF</b>	265	12.3	13.0	26.5	29.0	28.6	260	1
6022560	<b>2 3/4x25/32AF</b>	265	13.0	13.3	29.0	30.0	28.6	260	1
6022640	<b>2 3/4x7/8AF</b>	285	13.0	14.3	29.0	33.3	31.0	325	1
6022720	<b>2 25/32x13/16AF</b>	285	13.3	13.6	30.0	31.0	31.0	325	1
6022800	<b>2 13/16x7/8AF</b>	285	13.6	14.3	31.0	33.3	31.0	325	1
6025580	<b>2 7/8x1.1/16AF</b>	325	14.3	15.8	33.3	40.1	34.5	440	1
6023020	<b>2 15/16x1AF</b>	325	14.8	15.0	35.7	37.5	34.5	475	1
6023100	<b>2 1x1.1/8AF</b>	345	15.0	16.3	37.5	42.2	35.5	580	1
6023290	<b>2 1.1/16x1.1/8AF</b>	345	14.8	16.4	40.0	42.5	35.5	680	1
6023370	<b>2 1.1/16x1.1/4AF</b>	370	15.8	17.7	40.1	47.1	37.4	680	1
6023450	<b>2 1.1/8x1.5/16AF</b>	370	16.7	18.2	42.5	49.2	37.4	680	1

Code	No.	L	a <sub>1</sub>	a <sub>2</sub>	b <sub>1</sub>	b <sub>2</sub>	h	↕	☒
6026550	<b>2 1/8x3/16W</b>	195	7.8	9.5	14.3	18.0	23.6	95	1
6026630	<b>2 3/16x1/4W</b>	212	9.5	10.3	18.0	20.9	25.1	110	1
6026710	<b>2 1/4x5/16W</b>	225	10.3	11.3	20.9	23.7	26.1	155	1
6026980	<b>2 5/16x3/8W</b>	245	11.3	12.6	23.7	27.0	27.1	210	1
6027280	<b>2 3/8x7/16W</b>	285	12.6	13.8	27.0	31.0	31.0	325	1
6027360	<b>2 7/16x1/2W</b>	305	13.8	14.6	31.0	34.8	33.0	410	1
6027440	<b>2 1/2x9/16W</b>	325	14.6	15.0	34.8	38.0	34.5	475	1
6027520	<b>2 9/16x5/8W</b>	345	15.0	16.3	38.0	41.0	35.5	580	1
6027600	<b>2 9/16x11/16W</b>	345	15.0	16.7	38.0	45.1	35.5	580	1
6027790	<b>2 5/8x3/4W</b>	370	16.3	18.2	41.4	48.5	37.4	680	1
6027870	<b>2 11/16x3/4W</b>	370	16.7	18.2	45.0	48.5	37.4	680	1
6027950	<b>2 11/16x13/16W</b>	400	17.7	19.7	45.5	52.0	38.4	1000	1
6028090	<b>2 3/4x7/8W</b>	400	18.7	20.2	48.8	55.5	38.4	1000	1
6028250	<b>2 1x1.1/8W</b>	485	20.4	22.2	63.5	71.0	42.8	1600	1
6028330	<b>2 1.1/8x1.1/4W</b>	535	22.2	23.6	71.0	78.5	47.8	2150	1

**2**  
**DOUBLE ENDED RING SPANNER SET**

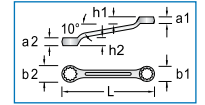
Sets of the most used sizes



Code	No.	↕	☒
6030070	<b>2-6</b> 6x7 8x9 10x11 12x13 14x15 16x17	700	1
6030580	<b>2-8</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22	1400	1
6030740	<b>2-10</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27	2250	1
6031120	<b>2-100</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 24x27 30x32	2200	1
6030900	<b>2-12</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x26 25x28 27x32	3500	1
6031040	<b>2-120</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32	3550	1
6031390	<b>2-122 ISO</b> 6x7 8x9 10x11 12x13 14x15 16x18 17x19 20x22 21x23 24x26 27x32 30x34	4000	1
6031470	<b>2-8 A</b> 1/4x5/16 5/16x3/8 7/16x1/2 9/16x5/8 19/32x11/16 3/4x25/32 13/16x7/8 15/16x1"	1800	1
6031630	<b>2-10 A</b> 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"	3250	1

**2 B**  
**DOUBLE ENDED RING SPANNER short pattern**

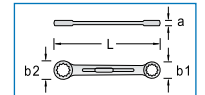
Shallow offset  
GEDORE vanadium steel 31CrV3, chrome-plated



Code	No.	L	a <sub>1</sub>	a <sub>2</sub>	b <sub>1</sub>	b <sub>2</sub>	h <sub>1</sub>	h <sub>2</sub>	↕	☒
6051150	<b>2 B 6x7</b>	115	5.5	6.5	10.5	12.0	6	7	30	5
6051230	<b>2 B 8x9</b>	120	6.5	7.5	12.5	13.5	8	9	45	5
6051310	<b>2 B 10x11</b>	125	6.5	7.5	15.0	17.0	8	9	60	5
6051580	<b>2 B 12x13</b>	135	8.5	9.5	18.5	20.0	10	11	70	5
6051660	<b>2 B 14x15</b>	145	9.5	10.5	21.0	22.0	11	12	85	5
6051740	<b>2 B 17x19</b>	155	10.5	11.5	25.0	28.0	15	17	100	5

**4**  
**FLAT RING SPANNER straight pattern**

To DIN 837 Form B, ISO 3318, ISO 1085 (only metric sizes)  
GEDORE vanadium steel 31CrV3, chrome-plated  
\* not standardised



Code	No.	*	L	a	b <sub>1</sub>	b <sub>2</sub>	↕	☒
6052710	<b>4 6x7</b>		99	4.5	10.0	11.5	10	10
6053010	<b>4 8x9</b>		114	5.2	13.0	14.5	15	10
6053280	<b>4 8x10</b>		115	5.2	13.0	16.0	18	10
6053440	<b>4 10x11</b>		131	5.8	16.0	17.0	28	10
6053520	<b>4 10x13</b>		149	6.4	16.0	20.5	35	10
6053870	<b>4 12x13</b>		149	6.4	19.0	20.5	35	10
6054170	<b>4 13x15</b>		161	7.2	20.5	23.0	50	10
6054250	<b>4 14x15</b>		161	7.2	21.5	23.0	50	10
6054330	<b>4 13x17</b>		167	7.8	20.5	25.5	60	10
6054410	<b>4 14x17</b>		169	7.8	21.5	25.5	60	5
6054680	<b>4 16x17</b>		169	7.8	24.5	25.5	65	10
6054760	<b>4 17x19</b>		186	8.5	25.5	28.0	80	10
6054840	<b>4 18x19</b>		186	8.5	27.0	28.0	80	10
6054920	<b>4 19x22</b>		209	9.4	28.0	32.5	115	10
6055060	<b>4 20x22</b>	*	209	9.4	29.5	32.5	120	10
6055140	<b>4 19x24</b>	*	233	10.0	28.0	35.5	140	5
6055220	<b>4 21x23</b>	*	233	10.0	30.5	33.5	145	5
6055300	<b>4 22x24</b>		233	10.0	32.5	35.5	150	10
6055490	<b>4 24x26</b>	*	261	10.8	35.5	38.0	190	5
6055570	<b>4 24x27</b>		260	10.8	35.5	39.0	200	10
6055730	<b>4 25x28</b>	*	289	11.6	36.5	41.0	240	1
6055650	<b>4 24x30</b>		290	11.6	35.5	43.5	230	10
6055810	<b>4 27x32</b>		320	12.6	39.0	46.0	320	5
6056030	<b>4 30x32</b>		320	12.6	43.5	46.0	340	5
6056110	<b>4 30x36</b>		357	13.8	43.5	51.5	530	1
6056380	<b>4 32x36</b>		357	13.8	46.0	51.5	550	1
6056460	<b>4 36x41</b>		391	15.0	51.5	59.0	700	1
6056540	<b>4 41x46</b>		431	16.2	59.0	66.0	850	1
6056620	<b>4 46x50</b>		473	16.5	66.0	71.5	950	1

Code	No.	L	a	b <sub>1</sub>	b <sub>2</sub>	↕	☒	☒
1965263	<b>4 1/4x5/16AF</b>	108	5.1	10.3	12.9	50	1	☒
1965271	<b>4 5/16x11/32AF</b>	114	5.1	12.9	14.2	50	1	☒
1965298	<b>4 3/8x7/16AF</b>	131	5.7	15.5	17.1	50	1	☒
1965301	<b>4 7/16x1/2AF</b>	150	6.3	17.2	20.2	50	1	☒
1965328	<b>4 1/2x9/16AF</b>	150	6.3	20.2	21.8	50	1	☒





**4**

**FLAT RING SPANNER SET**

► Made up of sizes most in use

Code	No.	↕	📦
6061700	<b>4-8</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22	425	1
6062000	<b>4-12</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x26 25x28 27x32	1300	1
6062190	<b>4-120</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32	1350	1

**TX 4**

**FLAT RING SPANNER for protruding TORX® head screws**

► GEDORE vanadium steel 31CrV3, chrome-plated

► TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

Code	No.	📏 mm	⚙️ mm	L	a <sub>1</sub>	a <sub>2</sub>	b <sub>1</sub>	b <sub>2</sub>	↕	📦
6059800	<b>TX 4 E6xE8</b>	M5 - M7	5,74 x 7,52	110	5.0	6.0	9.0	11.0	25	5
6059990	<b>TX 4 E10xE12</b>	M8 - M10	9,42 x 11,17	140	7.0	8.0	13.0	15.0	40	5
6060140	<b>TX 4 E14xE18</b>	M12 - M14	12,9 x 16,7	180	8.5	9.5	17.0	21.0	80	5
6060220	<b>TX 4 E20xE24</b>	M16 - M20	18,45 x 22,16	226	11.5	13.5	24.5	28.5	155	5

## SLOGGING SPANNERS

**133**

**OPEN ENDED SLOGGING SPANNER**

► For very heavy-duty work

► To DIN 133 (only metric sizes)

► Up to length 500 mm chrome-vanadium steel 31CrV3, above 525 mm material C35

► Special sizes available on request

► \* not standardised

Code	No.	*	L	a	b	↕	📦
6410570	<b>133 27</b>		180	16.5	57.5	400	1
6400260	<b>133 30</b>		190	17.0	63.5	450	1
6400340	<b>133 32</b>		195	17.5	67.5	500	1
6411030	<b>133 34</b>		195	17.5	67.5	640	1
6400420	<b>133 36</b>		210	18.5	77.5	700	1
6400500	<b>133 41</b>		225	19.5	89.0	950	1
6400690	<b>133 46</b>		255	20.0	99.0	1300	1
6400770	<b>133 50</b>		280	21.5	108.0	1700	1
6400850	<b>133 55</b>		310	24.0	118.5	2250	1
6400930	<b>133 60</b>		320	24.5	129.5	2700	1
6401070	<b>133 65</b>		350	28.0	140.5	3300	1
6401150	<b>133 70</b>		370	30.0	151.0	3900	1
6401230	<b>133 75</b>		400	31.5	163.0	5250	1

Code	No.	*	L	a	b	↕	📦
6401310	<b>133 80</b>		405	34.5	174.0	6000	1
6401580	<b>133 85</b>		405	34.5	174.0	6100	1
6401660	<b>133 90</b>		455	39.0	195.0	8000	1
6401740	<b>133 95</b>		455	39.0	195.0	8100	1
6401820	<b>133 100</b>		500	47.0	227.0	13200	1
6401900	<b>133 105</b>		500	47.0	227.0	12900	1
6402040	<b>133 110</b>		500	47.0	227.0	12900	1
6402120	<b>133 115</b>		525	55.0	246.5	17200	1
6402200	<b>133 120</b>		525	55.0	246.5	17250	1
6402390	<b>133 125</b>	*	545	50.0	255.0	17300	1
6402470	<b>133 130</b>		575	55.0	275.0	20000	1
6402550	<b>133 135</b>		575	55.0	275.0	20000	1
6402630	<b>133 140</b>	*	575	55.0	275.0	20000	1
6402710	<b>133 145</b>		640	60.0	305.0	28000	1
6402980	<b>133 150</b>		640	60.0	305.0	28000	1
6403010	<b>133 155</b>		640	60.0	305.0	28000	1
6403280	<b>133 160</b>	*	640	60.0	305.0	28000	1
6403360	<b>133 165</b>		715	70.0	342.0	35000	1
6403440	<b>133 170</b>		715	70.0	342.0	35000	1
6403520	<b>133 175</b>	*	715	70.0	342.0	35000	1

Code	No.	L	a	b	↕	📦
6403950	<b>133 1AF</b>	180	16.5	57.5	340	1
6404090	<b>133 1.1/16AF</b>	180	16.5	57.5	330	1
6404170	<b>133 1.1/8AF</b>	180	16.5	57.5	310	1
6404250	<b>133 1.3/16AF</b>	190	17.0	63.5	450	1
6404330	<b>133 1.1/4AF</b>	190	17.0	63.5	450	1
6404410	<b>133 1.5/16AF</b>	195	17.5	67.5	500	1
6404680	<b>133 1.3/8AF</b>	195	17.5	67.5	500	1
6404760	<b>133 1.7/16AF</b>	210	18.5	77.5	700	1
6404840	<b>133 1.1/2AF</b>	210	18.5	77.5	700	1
6404920	<b>133 1.5/8AF</b>	225	19.5	89.0	950	1
6405060	<b>133 1.11/16AF</b>	225	19.5	89.0	950	1
6405140	<b>133 1.3/4AF</b>	225	19.5	89.0	950	1
6405220	<b>133 1.13/16AF</b>	255	20.0	99.0	1300	1
6405570	<b>133 1.7/8AF</b>	255	20.0	99.0	1300	1
6405650	<b>133 2AF</b>	280	21.5	108.0	1700	1
6405730	<b>133 2.1/16AF</b>	280	21.5	108.0	1700	1
6407780	<b>133 2.1/8AF</b>	280	21.5	108.0	1700	1
6408160	<b>133 2.3/16AF</b>	310	24.5	118.5	2250	1
6408240	<b>133 2.1/4AF</b>	310	24.5	118.5	2250	1
6408320	<b>133 2.3/8AF</b>	320	24.5	129.5	2700	1
6408400	<b>133 2.7/16AF</b>	320	24.5	129.5	2700	1
6408590	<b>133 2.9/16AF</b>	350	28.0	140.5	3300	1
6408670	<b>133 2.5/8AF</b>	350	28.0	140.5	3300	1
6408750	<b>133 2.3/4AF</b>	370	30.0	151.0	3900	1
6408830	<b>133 3AF</b>	400	31.5	163.0	5250	1
6408910	<b>133 3.1/8AF</b>	405	34.5	174.0	6000	1
6409050	<b>133 3.3/8AF</b>	405	34.5	174.0	6100	1
6409130	<b>133 3.1/2AF</b>	455	39.0	195.0	8000	1
6409210	<b>133 3.3/4AF</b>	455	39.0	195.0	8100	1
6409480	<b>133 3.7/8AF</b>	500	47.0	227.0	12900	1
6409560	<b>133 4AF</b>	500	47.0	227.0	12900	1
6409990	<b>133 4.1/8AF</b>	500	47.0	227.0	12900	1
6410060	<b>133 4.1/2AF</b>	525	55.0	246.5	17200	1

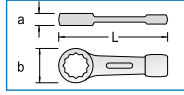




**306**

**RING SLOGGING SPANNER**

- For very heavy-duty work
- To DIN 7444 (only metric sizes)
- Up to length 435 mm chrome-vanadium steel 31CrV3, above 480 mm C35
- Special sizes available on request
- \* not standardised



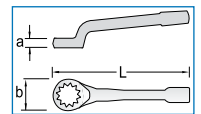
Code	No.	*		L	a	b		
6475000	<b>306 24</b>	*		160	15.0	42.5	250	1
6475190	<b>306 27</b>			180	15.5	47.0	350	1
6475270	<b>306 30</b>			190	16.5	52.5	400	1
6475350	<b>306 32</b>			195	16.5	54.0	450	1
6481670	<b>306 34</b>			195	16.5	54.0	600	1
6475430	<b>306 36</b>			205	19.5	60.0	750	1
6474460	<b>306 38</b>	*		205	19.5	60.0	660	1
6475510	<b>306 41</b>			225	20.5	66.0	850	1
6475780	<b>306 46</b>			240	22.5	75.0	1050	1
6475860	<b>306 50</b>			250	23.5	80.0	1250	1
6475940	<b>306 55</b>			270	25.0	87.5	1550	1
6476080	<b>306 60</b>			270	26.0	93.5	1650	1
6476160	<b>306 65</b>			290	29.0	101.0	2300	1
6476240	<b>306 70</b>			320	32.5	109.5	2600	1
6476320	<b>306 75</b>			325	34.0	114.5	3350	1
6476400	<b>306 80</b>			345	35.0	123.0	3800	1
6476590	<b>306 85</b>			360	37.0	129.0	4200	1
6476670	<b>306 90</b>			400	41.5	152.0	5700	1
6476750	<b>306 95</b>			400	41.5	152.0	5700	1
6476830	<b>306 100</b>			400	41.5	152.0	5700	1
6476910	<b>306 105</b>			435	47.5	172.0	8500	1
6477050	<b>306 110</b>			435	47.5	172.0	8500	1
6477130	<b>306 115</b>			435	47.5	172.0	8500	1
6477210	<b>306 120</b>			480	54.0	182.0	10000	1
6477480	<b>306 125</b>	*		480	54.0	182.0	10000	1
6477560	<b>306 130</b>			520	58.0	202.0	13000	1
6477640	<b>306 135</b>			520	58.0	202.0	13000	1
6477720	<b>306 140</b>	*		520	58.0	202.0	13000	1
6477800	<b>306 145</b>			580	64.0	228.0	18000	1
6477990	<b>306 150</b>			580	64.0	228.0	18000	1
6478020	<b>306 155</b>			580	64.0	228.0	18000	1
6478100	<b>306 160</b>	*		580	64.0	228.0	18000	1
6478290	<b>306 165</b>			650	70.0	265.0	25000	1
6478370	<b>306 170</b>			650	70.0	265.0	25000	1
6478450	<b>306 175</b>	*		650	70.0	265.0	25000	1

Code	No.		L	a	b		
6474540	<b>306 1AF</b>		160	15.0	42.5	250	1
6474620	<b>306 1.1/16AF</b>		185	15.5	48.5	350	1
6474700	<b>306 1.1/8AF</b>		185	15.5	48.5	350	1
6474890	<b>306 1.3/16AF</b>		190	16.5	52.5	400	1
6474970	<b>306 1.1/4AF</b>		190	16.5	52.5	400	1
6478530	<b>306 1.5/16AF</b>		195	16.5	54.0	450	1
6478610	<b>306 1.3/8AF</b>		195	16.5	54.0	450	1
6478880	<b>306 1.7/16AF</b>		205	19.5	60.0	750	1
6478960	<b>306 1.1/2AF</b>		205	19.5	60.0	750	1
6479180	<b>306 1.5/8AF</b>		225	20.5	66.0	850	1
6479260	<b>306 1.11/16AF</b>		225	20.5	66.0	850	1
6479340	<b>306 1.3/4AF</b>		225	20.5	66.0	850	1
6479420	<b>306 1.13/16AF</b>		240	22.5	75.0	1050	1
6479500	<b>306 1.7/8AF</b>		240	22.5	75.0	1050	1
6479690	<b>306 2AF</b>		250	23.5	80.0	1250	1
6479770	<b>306 2.1/16AF</b>		250	23.5	80.0	1250	1
6479850	<b>306 2.1/8AF</b>		250	23.5	80.0	1320	1
6479930	<b>306 2.3/16AF</b>		270	25.0	87.5	1550	1
6480000	<b>306 2.1/4AF</b>		270	25.0	87.5	1550	1
6480190	<b>306 2.3/8AF</b>		270	26.0	93.5	1650	1
6480270	<b>306 2.7/16AF</b>		270	26.0	93.5	1650	1
6480350	<b>306 2.9/16AF</b>		290	29.0	101.0	2300	1
6480430	<b>306 2.5/8AF</b>		290	29.0	101.0	2300	1
6480510	<b>306 2.3/4AF</b>		320	32.5	109.5	2600	1
6480780	<b>306 3AF</b>		325	34.0	114.5	3350	1
6480860	<b>306 3.1/8AF</b>		345	35.0	123.0	3800	1
6480940	<b>306 3.3/8AF</b>		360	36.0	126.0	3550	1
6481080	<b>306 3.1/2AF</b>		390	40.0	142.0	5430	1
6481160	<b>306 3.3/4AF</b>		400	41.5	152.0	5700	1
6481240	<b>306 3.7/8AF</b>		420	45.0	155.0	6800	1
6481320	<b>306 4AF</b>		420	45.0	155.0	6800	1
6481400	<b>306 4.1/8AF</b>		420	45.0	155.0	6300	1
6481590	<b>306 4.1/2AF</b>		450	48.0	170.0	7900	1

**306 G**

**RING SLOGGING SPANNER DEEP OFFSET**

- For very heavy-duty work
- To use with club hammer or pneumatic hammer for tightening or loosening



Code	No.		L	a	b		
1415875	<b>306 G 27</b>		270	25.0	51.0	1100	1
1415913	<b>306 G 30</b>		270	25.0	51.0	1100	1
1415972	<b>306 G 32</b>		270	25.0	51.0	1100	1
1416014	<b>306 G 36</b>		310	30.0	67.0	1900	1
1416057	<b>306 G 41</b>		310	30.0	67.0	1880	1
1416111	<b>306 G 46</b>		340	35.0	79.0	3000	1
1416197	<b>306 G 50</b>		360	40.0	94.0	4150	1
1416227	<b>306 G 55</b>		360	40.0	94.0	4000	1
1416308	<b>306 G 60</b>		380	45.0	108.0	5500	1
1416332	<b>306 G 65</b>		380	45.0	108.0	5300	1
1416405	<b>306 G 70</b>		406	50.0	126.0	7300	1
1416456	<b>306 G 75</b>		406	50.0	126.0	7000	1
1416480	<b>306 G 80</b>		406	50.0	126.0	6800	1
1416537	<b>306 G 85</b>		459	57.0	151.0	10600	1
1416553	<b>306 G 90</b>		459	57.0	151.0	10640	1
1416588	<b>306 G 95</b>		459	57.0	151.0	10100	1
1416618	<b>306 G 100</b>		459	57.0	151.0	9700	1
1416642	<b>306 G 105</b>		510	68.0	172.0	16100	1
1416669	<b>306 G 110</b>		510	68.0	172.0	16100	1
1416685	<b>306 G 115</b>		510	68.0	173.0	16100	1





Code	No.	L	a	b		
1415883	<b>306 G 1.1/16AF</b>	270	25.0	51.0	1100	1
1415948	<b>306 G 1.1/8AF</b>	270	25.0	51.0	1100	1
1415964	<b>306 G 1.3/16AF</b>	270	25.0	51.0	1100	1
1415980	<b>306 G 1.1/4AF</b>	270	25.0	51.0	1100	1
1416006	<b>306 G 1.5/16AF</b>	270	25.0	51.0	1100	1
1416049	<b>306 G 1.3/8AF</b>	310	30.0	67.0	1900	1
1416022	<b>306 G 1.7/16AF</b>	310	30.0	67.0	1900	1
1416065	<b>306 G 1.1/2AF</b>	310	30.0	67.0	1900	1
1416081	<b>306 G 1.5/8AF</b>	310	30.0	67.0	1900	1
1416138	<b>306 G 1.11/16AF</b>	340	35.0	79.0	3000	1
1416154	<b>306 G 1.3/4AF</b>	340	35.0	79.0	3000	1
1416170	<b>306 G 1.13/16AF</b>	340	35.0	79.0	3000	1
1416189	<b>306 G 1.7/8AF</b>	340	35.0	79.0	3000	1
1416200	<b>306 G 1.15/16AF</b>	360	40.0	94.0	4150	1
1416235	<b>306 G 2AF</b>	360	40.0	94.0	4150	1
1416278	<b>306 G 2.1/16AF</b>	360	40.0	94.0	4150	1
1416251	<b>306 G 2.1/8AF</b>	360	40.0	94.0	4150	1
1416286	<b>306 G 2.3/16AF</b>	360	40.0	94.0	4150	1
1416294	<b>306 G 2.1/4AF</b>	360	40.0	94.0	4150	1
1416316	<b>306 G 2.5/16AF</b>	380	45.0	108.0	5500	1
1416359	<b>306 G 2.3/8AF</b>	380	45.0	108.0	5500	1
1416375	<b>306 G 2.1/2AF</b>	380	45.0	108.0	5500	1
1416383	<b>306 G 2.9/16AF</b>	380	45.0	108.0	5500	1
1416391	<b>306 G 2.5/8AF</b>	380	45.0	108.0	5500	1
1416413	<b>306 G 2.3/4AF</b>	406	50.0	126.0	7300	1
1416464	<b>306 G 2.7/8AF</b>	406	50.0	126.0	7300	1
1416499	<b>306 G 2.15/16AF</b>	406	50.0	126.0	7300	1
1416510	<b>306 G 3AF</b>	406	50.0	126.0	7000	1
1416529	<b>306 G 3.1/8AF</b>	406	50.0	126.0	7000	1
1416545	<b>306 G 3.3/8AF</b>	459	57.0	151.0	10600	1
1416561	<b>306 G 3.1/2AF</b>	459	57.0	151.0	10600	1
1416596	<b>306 G 3.3/4AF</b>	459	57.0	151.0	10600	1
1416626	<b>306 G 3.7/8AF</b>	459	57.0	151.0	10600	1
1416634	<b>306 G 4AF</b>	459	57.0	151.0	10600	1
1416650	<b>306 G 4.1/8AF</b>	510	68.0	172.0	16100	1
1416677	<b>306 G 4.1/4AF</b>	510	68.0	172.0	16100	1
1416693	<b>306 G 4.1/2AF</b>	510	68.0	172.0	16100	1
1416707	<b>306 G 4.5/8AF</b>	510	68.0	172.0	16100	1

Code	No.	L	a	b		
1415905	<b>306 G 9/16W</b>	270	25.0	51.0	1100	1
1415891	<b>306 G 5/8W</b>	270	25.0	51.0	1100	1
1415956	<b>306 G 11/16W</b>	270	25.0	51.0	1100	1
1415999	<b>306 G 3/4W</b>	270	25.0	51.0	1100	1
1416030	<b>306 G 13/16W</b>	310	30.0	67.0	1900	1
1416073	<b>306 G 7/8W</b>	310	30.0	67.0	1900	1
1416103	<b>306 G 15/16W</b>	310	30.0	67.0	1900	1
1416146	<b>306 G 1W</b>	340	35.0	79.0	3000	1
1416162	<b>306 G 1.1/8W</b>	340	35.0	79.0	3000	1
1416219	<b>306 G 1.1/4W</b>	360	40.0	94.0	4150	1
1416243	<b>306 G 1.3/8W</b>	360	40.0	94.0	4150	1
1416324	<b>306 G 1.1/2W</b>	380	45.0	108.0	5500	1
1416367	<b>306 G 1.5/8W</b>	380	45.0	108.0	5500	1
1416448	<b>306 G 1.3/4W</b>	406	50.0	126.0	7300	1
1416472	<b>306 G 1.7/8W</b>	406	50.0	126.0	7300	1
1416502	<b>306 G 2W</b>	406	50.0	126.0	6800	1



## DEEP RING SPANNERS / SINGLE ENDED RING SPANNERS

### 308

#### DEEP RING SPANNER straight pattern

- ▶ To DIN 3111
- ▶ In heat-treated steel as per DIN 17200, shotblast finish
- ▶ Further sizes available on request

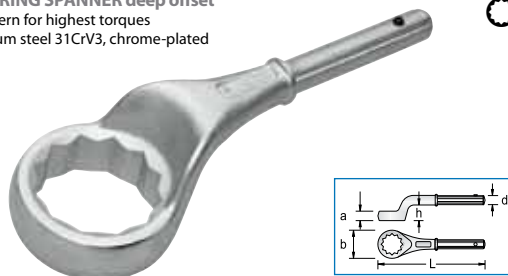


Code	No.	L	a	b		
6481750	<b>308 32</b>	265	19.0	49.0	350	1
6481830	<b>308 36</b>	295	22.0	56.0	500	1
6481910	<b>308 41</b>	330	25.0	63.5	750	1
6482050	<b>308 46</b>	365	27.0	70.5	950	1
6482130	<b>308 50</b>	400	28.0	77.0	1200	1
6482210	<b>308 55</b>	445	29.5	83.5	1600	1
6482480	<b>308 60</b>	475	30.0	89.5	1800	1
6482560	<b>308 65</b>	510	32.0	97.0	2700	1

### 2 A

#### SINGLE ENDED RING SPANNER deep offset

- ▶ Heavy-duty pattern for highest torques
- ▶ GEDORE vanadium steel 31CrV3, chrome-plated



Code	No.	L	a	b	d	h		
6033840	<b>2 A 24</b>	180	17.0	38.0	18.3	29.0	350	1
6033920	<b>2 A 27</b>	190	17.4	42.0	18.3	31.5	400	1
6034060	<b>2 A 30</b>	200	18.4	47.0	18.3	33.0	450	1
6034140	<b>2 A 32</b>	235	18.4	50.0	21.3	34.0	550	1
6030150	<b>2 A 34</b>	235	18.4	50.0	21.3	34.0	650	1
6034220	<b>2 A 36</b>	245	20.0	55.0	21.3	35.0	650	1
6034300	<b>2 A 41</b>	265	22.0	61.5	21.3	39.0	750	1
6034490	<b>2 A 46</b>	280	23.0	68.5	24.1	40.0	1050	1
6034570	<b>2 A 50</b>	290	25.5	75.0	24.1	42.0	1150	1
6034650	<b>2 A 55</b>	300	28.0	80.0	24.1	45.0	1400	1
6034730	<b>2 A 60</b>	345	30.5	89.0	29.1	49.0	2100	1
6034810	<b>2 A 65</b>	355	33.0	97.0	29.1	53.0	2300	1
6035030	<b>2 A 70</b>	365	35.5	104.0	29.1	55.0	2600	1
6035110	<b>2 A 75</b>	375	38.0	109.0	29.1	57.5	3000	1
6035380	<b>2 A 80</b>	385	40.5	124.0	29.1	59.0	3450	1
6035460	<b>2 A 85</b>	385	40.5	124.0	29.1	59.0	3800	1
6035540	<b>2 A 90</b>	410	45.0	140.0	29.1	63.0	4875	1
6035620	<b>2 A 95</b>	410	45.0	140.0	29.1	63.0	4565	1

### 2 AR

#### EXTENSION TUBE

- ▶ For ring spanner No. 2 A, steel tube, chrome-plated



Code	No.	Internal-Ø	Ø mm	±mm		
6048600	<b>2 AR 0</b>	19	24-30	460	600	1
6048790	<b>2 AR 1</b>	22	32-41	610	1150	1
6048870	<b>2 AR 2</b>	25	46-55	760	2150	1
6048950	<b>2 AR 3</b>	30	60-95	860	2850	1



**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



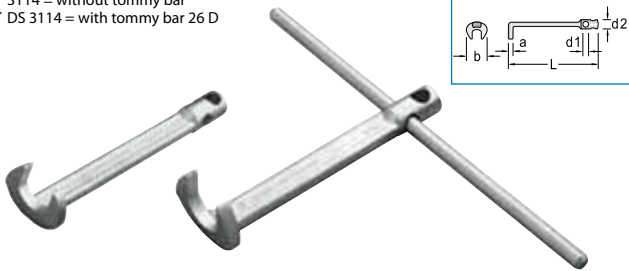
Code	No.	Weight	Units
6049250	<b>2 ATM</b> 2 A 24 27 30 32 36 41 46 50 55 60 65 70 75 80 85 2 AR 0 1 2 3	44.5	1

**CROWFOOT SPANNERS**

**3114 - DS 3114**

**CROWFOOT SPANNER**

- 3114 = without tommy bar
- DS 3114 = with tommy bar 26 D



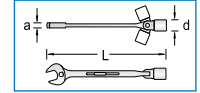
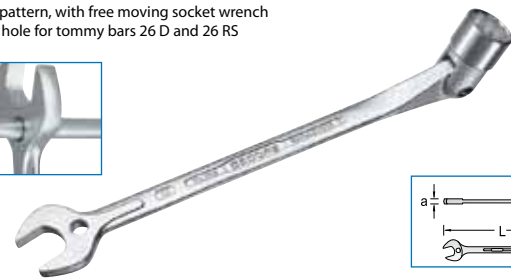
Code	No.	L	a	b	d <sub>1</sub>	d <sub>2</sub>	26 D	Weight	Units
6670050	<b>3114 13</b>	160	5.5	28.0	8.5	13.8	-	100	1
6670130	<b>3114 14</b>	160	5.5	28.0	8.5	13.8	-	100	1
6676920	<b>3114 16</b>	200	6.0	33.0	10.5	16.8	-	170	1
6670210	<b>3114 17</b>	200	6.0	33.0	10.5	16.8	-	150	1
6677060	<b>3114 18</b>	200	7.0	37.0	12.5	19.6	-	220	1
6670480	<b>3114 19</b>	200	7.0	37.0	12.5	19.6	-	250	1
6677140	<b>3114 21</b>	200	8.0	42.0	12.5	19.6	-	260	1
6670560	<b>3114 22</b>	200	8.0	42.0	12.5	19.6	-	300	1
6670640	<b>3114 24</b>	250	9.0	46.0	14.5	23.6	-	450	1
6670720	<b>3114 27</b>	250	10.0	52.0	14.5	23.6	-	500	1
6670800	<b>3114 30</b>	250	11.0	57.0	16.5	27.6	-	650	1
6670990	<b>3114 32</b>	250	11.8	61.0	16.5	27.6	-	700	1
6671020	<b>3114 36</b>	315	12.8	68.0	19.0	31.5	-	1150	1
6671100	<b>3114 41</b>	315	14.0	76.0	19.0	31.0	-	1230	1
6671290	<b>3114 46</b>	315	15.0	85.0	21.0	34.0	-	1500	1
6671370	<b>3114 50</b>	315	15.0	92.0	21.0	34.0	-	1600	1
6672180	<b>DS 3114 13</b>	160	5.5	28.0	8.5	13.8	8	170	1
6672260	<b>DS 3114 14</b>	160	5.5	28.0	8.5	13.8	8	170	1
6677220	<b>DS 3114 16</b>	200	6.0	33.0	10.5	16.8	10	295	1
6672340	<b>DS 3114 17</b>	200	6.0	33.0	10.5	16.8	10	275	1
6677300	<b>DS 3114 18</b>	200	7.0	37.0	12.5	19.6	12	440	1
6672420	<b>DS 3114 19</b>	200	7.0	37.0	12.5	19.6	12	470	1
6677490	<b>DS 3114 21</b>	200	8.0	42.0	12.5	19.6	12	480	1
6672500	<b>DS 3114 22</b>	200	8.0	42.0	12.5	19.6	12	520	1
6672690	<b>DS 3114 24</b>	250	9.0	46.0	14.5	23.6	14	830	1
6672770	<b>DS 3114 27</b>	250	10.0	52.0	14.5	23.6	14	880	1
6672850	<b>DS 3114 30</b>	250	11.0	57.0	16.5	27.6	16	1270	1
6672930	<b>DS 3114 32</b>	250	11.8	61.0	16.5	27.6	16	1320	1
6673070	<b>DS 3114 36</b>	315	12.8	68.0	19.0	31.5	18	2150	1
6673150	<b>DS 3114 41</b>	315	14.0	76.0	19.0	31.0	18	2230	1
6673230	<b>DS 3114 46</b>	315	15.0	85.0	21.0	34.0	20	3050	1
6673310	<b>DS 3114 50</b>	315	15.0	92.0	21.0	34.0	20	3150	1

**SWIVEL HEAD WRENCHES**

**534**

**COMBINATION SWIVEL HEAD WRENCH**

- Slim pattern, with free moving socket wrench
- With hole for tommy bars 26 D and 26 RS

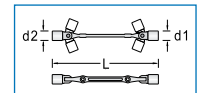


Code	No.	L	a	d	26 RS	26 D	Weight	Units
6512060	<b>534 10</b>	179	4.7	15.5	1	5	55	10
6512140	<b>534 11</b>	189	5.0	16.7	1	5	65	5
6512220	<b>534 12</b>	198	5.3	18.0	1	5	75	5
6512300	<b>534 13</b>	208	6.0	19.2	1	5	95	10
6512490	<b>534 14</b>	218	6.3	20.5	1	6	110	5
6512570	<b>534 15</b>	231	6.7	21.7	1	6	120	5
6512650	<b>534 16</b>	244	7.0	22.9	1	6	140	5
6512730	<b>534 17</b>	255	7.5	24.2	2	8	170	10
6513030	<b>534 18</b>	269	7.7	25.5	2	8	220	5
6512810	<b>534 19</b>	283	8.0	26.7	2	8	240	10

**34**

**SWIVEL HEAD WRENCH DOUBLE ENDED**

- Thin walled heads, swivels through a wide radius
- Shaft with holes for tommy bars 26 D and 26 RS



Code	No.	L	d <sub>1</sub>	d <sub>2</sub>	26 D	26 RS	Weight	Units
6301520	<b>34 6x7</b>	190	10.2	11.5	6	1	80	10
6299010	<b>34 8x9</b>	200	13.0	14.2	6	1	80	10
6299280	<b>34 10x11</b>	205	15.5	16.7	6	1	95	10
6299360	<b>34 12x13</b>	240	18.0	19.2	8	2	170	10
6299440	<b>34 13x15</b>	245	19.2	21.7	8	2	180	5
6299520	<b>34 14x15</b>	245	20.5	21.7	8	2	190	10
6298980	<b>34 13x16</b>	275	19.2	22.9	10	2	285	1
6299600	<b>34 13x17</b>	275	19.2	24.0	10	2	240	10
6299790	<b>34 14x17</b>	280	20.5	24.0	10	2	250	5
6299870	<b>34 16x17</b>	280	22.9	24.0	10	2	260	10
6300980	<b>34 16x18</b>	282	22.9	25.5	10	2	330	1
6299950	<b>34 17x19</b>	315	24.0	26.7	12	3	320	10
6300040	<b>34 18x19</b>	315	25.5	26.7	12	3	335	10
6301010	<b>34 18x21</b>	345	25.5	29.2	12	3	540	1
6300120	<b>34 20x22</b>	350	28.0	30.5	12	3	470	10
6300200	<b>34 21x23</b>	350	29.2	31.7	12	3	480	5
6300390	<b>34 24x27</b>	410	33.0	36.7	14	3	760	5
6300470	<b>34 30x32</b>	470	40.5	43.0	14	3	1280	1

Code	No.	L	d <sub>1</sub>	d <sub>2</sub>	26 D	26 RS	Weight	Units
6301600	<b>34 3/8x7/16AF</b>	205	14.9	16.7	6	1	95	5
6301790	<b>34 1/2x9/16AF</b>	245	18.7	20.7	8	2	180	5
6301870	<b>34 19/32x11/16AF</b>	280	21.7	24.7	10	2	250	1
6301950	<b>34 5/8x3/4AF</b>	315	22.5	26.7	12	3	320	1
6302090	<b>34 13/16x7/8AF</b>	350	28.5	30.6	12	3	470	1
6302170	<b>34 15/16x1AF</b>	410	32.6	34.6	14	3	760	1



### TX 34

#### SWIVEL HEAD WRENCH DOUBLE ENDED for protruding TORX® head screws

- Thin walled heads, swivel through a wide radius
- Shaft with holes for tommy bars 26 D and 26 RS
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	□ mm	★ mm	↳ mm	26 D	26 RS	↔	📦
6290570	<b>TX 34 E6xE8</b>	M5 - M7	5,74 x 7,52	190	6	1	85	1
6290650	<b>TX 34 E10xE12</b>	M8 - M10	9,42 x 11,17	230	8	2	170	1
6290730	<b>TX 34 E14xE18</b>	M12 - M14	12,98 x 16,68	265	10	2	210	1
6290810	<b>TX 34 E20xE24</b>	M16 - M20	18,47 x 22,14	295	12	3	350	1

### ITX 34

#### SWIVEL HEAD WRENCH DOUBLE ENDED for recessed TORX® head screws

- Shaft with holes for tommy bars 26 D and 26 RS
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

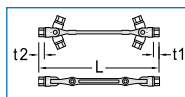


Code	No.	□ mm	★ mm	↳ mm	26 D	26 RS	↔	📦
6290060	<b>ITX 34 T15xT20</b>	M3,5 - M5	3,27 x 3,86	205	6	1	110	1
6290140	<b>ITX 34 T25xT27</b>	M4,5 - M6	4,43 x 4,99	208	6	1	130	1
6290220	<b>ITX 34 T30xT40</b>	M6 - M8	5,52 x 6,65	210	6	1	150	1
6290300	<b>ITX 34 T45xT50</b>	M8 - M10	7,82 x 8,83	244	8	2	180	1
6290490	<b>ITX 34 T55xT60</b>	M12 - M14	11,22 x 13,25	280	10	2	300	1

### IN 34

#### SWIVEL HEAD WRENCH DOUBLE ENDED for in-hex screws

- Shaft with holes for tommy bars 26 D and 26 RS



Code	No.	L	t <sub>1</sub>	t <sub>2</sub>	26 D	26 RS	↔	📦
6302250	<b>IN 34 3x4</b>	198	4.0	5	6	1	90	5
6302330	<b>IN 34 5x6</b>	202	5.0	6	6	1	105	5
6302410	<b>IN 34 8x10</b>	235	8.0	10	8	2	190	5
6302680	<b>IN 34 12x14</b>	270	10.0	12	10	2	320	5
6302760	<b>IN 34 17x19</b>	295	14.0	16	12	3	400	1

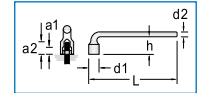
Code	No.	L	t <sub>1</sub>	t <sub>2</sub>	26 D	26 RS	↔	📦
6302840	<b>IN 34 1/8x5/32AF</b>	198	4.0	5	6	1	90	1
6302920	<b>IN 34 3/16x7/32AF</b>	202	5.0	6	6	1	100	1
6303060	<b>IN 34 1/4x5/16AF</b>	235	6.5	8	8	2	185	1
6303140	<b>IN 34 3/8x1/2AF</b>	270	10.0	12	10	2	300	1
6303220	<b>IN 34 9/16x5/8AF</b>	295	14.0	16	12	3	380	1

## SOCKET WRENCHES

### 25

#### SOCKET WRENCH angled

- Heavy-duty pattern with extra deep socket for protruding bolts
- Sizes 55 - 70 without dome (dimension a<sub>2</sub>)

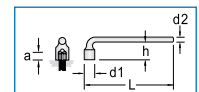


Code	No.	L	a <sub>1</sub>	a <sub>2</sub>	d <sub>1</sub>	d <sub>2</sub>	h	↔	📦
6188290	<b>25 10</b>	160	9.6	16.5	15,0	10	32	120	5
6188530	<b>25 13</b>	200	12.7	23.0	19,0	12	41	230	10
6188610	<b>25 14</b>	215	13.7	24.0	20,5	12	44	250	5
6196200	<b>25 16</b>	240	11.0	25.5	23,5	14	49	350	1
6188880	<b>25 17</b>	250	12.0	26.0	25,0	14	49	350	10
6196470	<b>25 18</b>	265	13.5	27.5	26,0	16	56	440	1
6188960	<b>25 19</b>	280	15.4	29.0	27,5	16	56	540	10
6196550	<b>25 21</b>	305	15.5	32.5	30,5	18	64	700	1
6189180	<b>25 22</b>	315	16.4	32.5	32,0	18	64	800	5
6196630	<b>25 23</b>	330	17.5	35.5	33,0	20	71	900	1
6189260	<b>25 24</b>	345	19.5	37.1	34,5	20	71	1050	5
6189340	<b>25 27</b>	380	21.4	37.5	38,5	20	74	1150	5
6189420	<b>25 30</b>	420	22.3	41.3	42,0	22	84	1500	5
6189500	<b>25 32</b>	450	26.5	43.2	45,0	22	87	1650	1
6189690	<b>25 36</b>	500	27.3	47.1	50,0	26	97	2150	5
6189770	<b>25 41</b>	560	30.3	49.7	56,0	26	106	2900	1
6189850	<b>25 46</b>	630	33.4	56.5	62,0	28	114	3800	1
6189930	<b>25 50</b>	630	35.9	61.5	67,0	32	128	4850	1
6190000	<b>25 55</b>	670	38.0		74,0	34	120	5700	1
6190190	<b>25 60</b>	670	40.0		81,0	34	125	5800	1
6190270	<b>25 65</b>	750	42.8		88,0	40	130	7000	1
6190350	<b>25 70</b>	750	46.0		94,0	40	135	7200	1

### 25 V

#### SOCKET WRENCH angled

- Heavy-duty pattern with extra deep socket



Code	No.	L	a	d <sub>1</sub>	d <sub>2</sub>	h	↔	📦
6194770	<b>25 V 8</b>	150	11.0	15,0	10	32.0	90	10
6194850	<b>25 V 9</b>	160	11.0	16,5	10	35.0	120	10
6194930	<b>25 V 10</b>	175	12.0	19,0	12	37.5	150	10
6195150	<b>25 V 12</b>	215	14.5	22,0	14	44.0	250	5
6195230	<b>25 V 13</b>	230	20.5	23,5	14	47.0	280	5
6195310	<b>25 V 14</b>	240	21.5	25,0	14	49.0	320	5
6195580	<b>25 V 17</b>	280	26.5	30,0	18	62.0	540	5



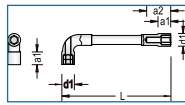
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**25 PK**

**DOUBLE ENDED SOCKET WRENCH angled, with hole**  
 ▾ Heavy-duty pattern

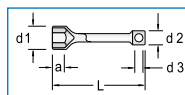


Code	No.	L	a <sub>1</sub>	a <sub>2</sub>	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	26 D		
1616323	<b>25 PK 6</b>	105	9	26.5	13,0	80	10			
1616331	<b>25 PK 7</b>	107	9	26.5	14,0	80	10			
1616358	<b>25 PK 8</b>	112	10	26.5	14,0	75	10			
1436805	<b>25 PK 9</b>	120	10	26.5	14,0	85	10			
1436813	<b>25 PK 10</b>	130	10	23,0	15,5	116	10			
1436821	<b>25 PK 11</b>	136	10	23,0	16,5	118	10			
1436848	<b>25 PK 12</b>	145	10	37,0	18,5	150	10			
1436856	<b>25 PK 13</b>	152	11	35,0	20,0	176	10			
1436864	<b>25 PK 14</b>	160	12	38,0	21,0	195	10			
1616366	<b>25 PK 15</b>	170	13	38,0	22,5	195	10			
1436872	<b>25 PK 16</b>	178	15	34,0	24,0	255	10			
1436899	<b>25 PK 17</b>	187	15	35,0	25,5	315	10			
1436902	<b>25 PK 18</b>	195	18	39,0	26,5	300	10			
1436910	<b>25 PK 19</b>	205	17	38,0	28,0	440	10			
1436929	<b>25 PK 21</b>	225	18	47,0	32,0	570	10			
1436937	<b>25 PK 22</b>	225	18	47,0	32,0	550	10			
1436945	<b>25 PK 24</b>	248	22	37,0	35,5	830	1			
1436953	<b>25 PK 27</b>	280	26	60,0	38,0	965	1			
1436961	<b>25 PK 30</b>	310	27	64,0	42,0	1325	1			
1436988	<b>25 PK 32</b>	330	30	63,0	45,0	1475	1			
1436996	<b>25 PK 34</b>	340	32	67,0	47,0	1600	1			
1437003	<b>25 PK 36</b>	355	33	74,0	50,0	1785	1			



**3112 - DS 3112**

**SOCKET WRENCH solid**  
 ▾ Very heavy-duty pattern  
 ▾ To DIN 3112, ISO 2236  
 ▾ 3112 = without tommy bar  
 ▾ DS 3112 = with tommy bar 26 D

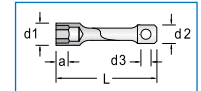


Code	No.	L	a	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	26 D		
6667260	<b>3112 55</b>	355	38	74	45	26	–	2600	1
6667340	<b>3112 60</b>	355	40	80	45	26	–	2800	1
6667420	<b>3112 65</b>	400	43	88	58	33	–	4200	1
6667500	<b>3112 70</b>	400	46	94	58	33	–	4600	1
6667690	<b>3112 75</b>	400	49	101	58	33	–	4900	1
6667770	<b>3112 80</b>	400	52	108	58	33	–	5200	1
6667850	<b>3112 85</b>	450	55	114	70	41	–	7500	1
6668070	<b>3112 95</b>	450	62	128	70	41	–	8500	1
6668150	<b>DS 3112 55</b>	355	38	74	45	26	25	5350	1
6668230	<b>DS 3112 60</b>	355	40	80	45	26	25	5550	1

Code	No.	L	a	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	26 D		
6668310	<b>DS 3112 65</b>	400	43	88	58	33	32	9450	1
6668580	<b>DS 3112 70</b>	400	46	94	58	33	32	9650	1
6668660	<b>DS 3112 75</b>	400	49	101	58	33	32	9950	1
6668740	<b>DS 3112 80</b>	400	52	108	58	33	32	10250	1
6668820	<b>DS 3112 85</b>	450	55	114	70	41	40	17350	1
6669040	<b>DS 3112 95</b>	450	62	128	70	41	40	18350	1

**35 A - DS 35 A**

**SOCKET WRENCH heavy-duty, short pattern**  
 ▾ Heavy-duty pattern, to DIN 3112, ISO 2236  
 ▾ 35 A = without tommy bar  
 ▾ DS 35 A = with tommy bar



Code	No.	L	a	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>		
6304030	<b>35 A 8</b>	105	7,0	13,0	12	6,5	40	1
6304110	<b>35 A 9</b>	110	8,0	14,0	15	6,5	65	1
6304380	<b>35 A 10</b>	115	8,5	16,0	15	6,5	65	1
6304620	<b>35 A 13</b>	130	11,0	19,5	19	8,5	125	1
6304700	<b>35 A 14</b>	140	11,5	20,5	19	8,5	130	1
6303300	<b>35 A 16</b>	145	11,0	23,5	23	10,5	185	1
6305000	<b>35 A 17</b>	145	12,0	25,0	23	10,5	230	1
6303490	<b>35 A 18</b>	145	13,5	26,0	23	10,5	250	1
6305270	<b>35 A 19</b>	165	15,0	27,5	23	12,5	290	1
6303570	<b>35 A 21</b>	175	15,5	30,5	27	12,5	350	1
6305510	<b>35 A 22</b>	185	16,0	32,0	27	12,5	430	1
6305860	<b>35 A 24</b>	205	19,0	34,5	29	14,5	530	1
6306160	<b>35 A 27</b>	215	21,0	38,5	29	14,5	610	1
6306320	<b>35 A 30</b>	225	22,0	42,0	33	17,0	800	1
6306670	<b>35 A 36</b>	260	27,0	50,0	37	19,0	1150	1
6306830	<b>35 A 46</b>	290	33,0	62,0	41	21,0	1700	1
6307130	<b>DS 35 A 8</b>	105	7,0	13,0	12	6,5	75	1
6307210	<b>DS 35 A 9</b>	110	8,0	14,0	15	6,5	100	1
6307480	<b>DS 35 A 10</b>	115	8,5	16,0	15	6,5	100	1
6307720	<b>DS 35 A 13</b>	130	11,0	19,5	19	8,5	195	1
6307800	<b>DS 35 A 14</b>	140	11,5	20,5	19	8,5	200	1
6300550	<b>DS 35 A 16</b>	145	11,0	23,5	23	10,5	300	1
6308100	<b>DS 35 A 17</b>	145	12,0	25,0	23	10,5	355	1
6300630	<b>DS 35 A 18</b>	145	13,5	26,0	23	10,5	370	1
6308370	<b>DS 35 A 19</b>	165	15,0	27,5	23	12,5	510	1
6300710	<b>DS 35 A 21</b>	175	15,5	30,5	27	12,5	570	1
6308610	<b>DS 35 A 22</b>	185	16,0	32,0	27	12,5	650	1
6308960	<b>DS 35 A 24</b>	205	19,0	34,5	29	14,5	910	1
6309260	<b>DS 35 A 27</b>	215	21,0	38,5	29	14,5	990	1
6309420	<b>DS 35 A 30</b>	225	22,0	42,0	33	17,0	1430	1
6309690	<b>DS 35 A 36</b>	260	27,0	50,0	37	19,0	2150	1
6309850	<b>DS 35 A 46</b>	290	33,0	62,0	41	21,0	3250	1

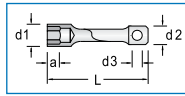




### 35 B - DS 35 B

#### SOCKET WRENCH heavy-duty, long pattern

- Heavy-duty pattern, to DIN 3112, ISO 2236
- 35 B = without tommy bar
- DS 35 B = with tommy bar

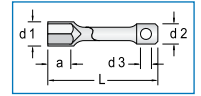


Code	No.	L	a	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	T	↔	📄
6310270	<b>35 B 8</b>	175	7.0	13,0	12	6.5	80	1	
6310430	<b>35 B 10</b>	200	8.5	16,0	15	6.5	130	1	
6310860	<b>35 B 13</b>	235	11.0	19,5	19	8.5	240	1	
6310940	<b>35 B 14</b>	250	11.5	20,5	19	8.5	300	1	
6310000	<b>35 B 16</b>	270	11.0	23,5	23	10.5	310	1	
6311240	<b>35 B 17</b>	270	12.0	25,0	23	10.5	470	1	
6310190	<b>35 B 18</b>	270	13.5	26,0	23	10.5	500	1	
6311400	<b>35 B 19</b>	295	15.0	27,5	23	12.5	540	1	
6310350	<b>35 B 21</b>	305	15.5	30,5	27	12.5	580	1	
6311750	<b>35 B 22</b>	315	16.0	32,0	27	12.5	600	1	
6311910	<b>35 B 24</b>	350	19.0	34,5	29	14.5	950	1	
6312210	<b>35 B 27</b>	390	21.0	38,5	29	14.5	1100	1	
6312640	<b>35 B 30</b>	430	22.0	42,0	33	17.0	1450	1	
6312720	<b>35 B 32</b>	440	26.0	45,0	33	17.0	1550	1	
6312800	<b>35 B 36</b>	490	27.0	50,0	38	19.0	2050	1	
6313290	<b>DS 35 B 8</b>	175	7.0	13,0	12	6.5	115	1	
6313450	<b>DS 35 B 10</b>	200	8.5	16,0	15	6.5	165	1	
6313880	<b>DS 35 B 13</b>	235	11.0	19,5	19	8.5	310	1	
6313960	<b>DS 35 B 14</b>	250	11.5	20,5	19	8.5	370	1	
6310510	<b>DS 35 B 16</b>	270	11.0	23,5	23	10.5	430	1	
6314340	<b>DS 35 B 17</b>	270	12.0	25,0	23	10.5	595	1	
6310780	<b>DS 35 B 18</b>	270	13.5	26,0	23	10.5	620	1	
6314500	<b>DS 35 B 19</b>	295	15.0	27,5	23	12.5	760	1	
6311080	<b>DS 35 B 21</b>	305	15.5	30,5	27	12.5	810	1	
6314850	<b>DS 35 B 22</b>	315	16.0	32,0	27	12.5	820	1	
6315070	<b>DS 35 B 24</b>	350	19.0	34,5	29	14.5	1330	1	
6315310	<b>DS 35 B 27</b>	390	21.0	38,5	29	14.5	1480	1	
6315740	<b>DS 35 B 30</b>	430	22.0	42,0	33	17.0	2080	1	
6315820	<b>DS 35 B 32</b>	440	26.0	45,0	33	17.0	2180	1	
6315900	<b>DS 35 B 36</b>	490	27.0	50,0	38	19.0	3050	1	

### V 35 A - DSV 35 A

#### SOCKET WRENCH heavy-duty, short pattern

- Heavy-duty pattern
- V 35 A = without tommy bar
- DSV 35 A = with tommy bar

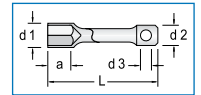


Code	No.	L	a	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	T	↔	📄
6316200	<b>V 35 A 6</b>	80	12	11,5	12	6.5	40	1	
6316390	<b>V 35 A 7</b>	80	15	13,5	15	8.5	65	1	
6316470	<b>V 35 A 8</b>	80	15	14,0	15	8.5	65	1	
6316550	<b>V 35 A 9</b>	100	18	16,0	17	10.5	70	1	
6316630	<b>V 35 A 10</b>	100	18	17,5	17	10.5	75	1	
6316710	<b>V 35 A 11</b>	100	19	21,0	21	12.5	140	1	
6317010	<b>V 35 A 13</b>	100	22	23,5	23	12.5	230	1	
6317280	<b>V 35 A 14</b>	120	24	26,0	25	14.5	230	1	
6317520	<b>V 35 A 17</b>	160	28	31,0	31	17.0	400	1	
6317790	<b>V 35 A 19</b>	200	30	34,0	31	17.0	450	1	
6318090	<b>V 35 A 22</b>	200	34	39,0	36	19.0	600	1	
6318760	<b>DSV 35 A 6</b>	80	12	11,5	12	6.5	75	1	
6318840	<b>DSV 35 A 7</b>	80	15	13,5	15	8.5	135	1	
6318920	<b>DSV 35 A 8</b>	80	15	14,0	15	8.5	135	1	
6319060	<b>DSV 35 A 9</b>	100	18	16,0	17	10.5	140	1	
6319140	<b>DSV 35 A 10</b>	100	18	17,5	17	10.5	145	1	
6319220	<b>DSV 35 A 11</b>	100	19	21,0	21	12.5	265	1	
6319490	<b>DSV 35 A 13</b>	100	22	23,5	23	12.5	450	1	
6319570	<b>DSV 35 A 14</b>	120	24	26,0	25	14.5	450	1	
6319810	<b>DSV 35 A 17</b>	160	28	31,0	31	17.0	620	1	
6320150	<b>DSV 35 A 19</b>	200	30	34,0	31	17.0	830	1	
6320580	<b>DSV 35 A 22</b>	200	34	39,0	36	19.0	1230	1	

### V 35 B - DSV 35 B

#### SOCKET WRENCH heavy-duty, long pattern

- Heavy-duty pattern
- V 35 B = without tommy bar
- DSV 35 B = with tommy bar



Code	No.	L	a	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	T	↔	📄
6321120	<b>V 35 B 6</b>	160	12	11,5	12	6.5	80	1	
6321200	<b>V 35 B 7</b>	160	15	13,5	15	8.5	120	1	
6321390	<b>V 35 B 8</b>	160	15	14,0	15	8.5	130	1	
6321470	<b>V 35 B 9</b>	200	18	16,0	17	10.5	200	1	
6321550	<b>V 35 B 10</b>	200	18	17,5	17	10.5	220	1	
6321710	<b>V 35 B 12</b>	200	20	22,0	21	12.5	260	1	
6321980	<b>V 35 B 13</b>	200	22	23,5	23	12.5	470	1	
6322010	<b>V 35 B 14</b>	200	24	26,0	25	14.5	470	1	
6322440	<b>V 35 B 17</b>	250	28	31,0	31	17.0	620	1	
6322600	<b>V 35 B 19</b>	320	30	34,0	31	17.0	680	1	
6322950	<b>V 35 B 22</b>	320	34	39,0	36	19.0	1080	1	
6323680	<b>DSV 35 B 6</b>	160	12	11,5	12	6.5	115	1	
6323760	<b>DSV 35 B 7</b>	160	15	13,5	15	8.5	190	1	
6323840	<b>DSV 35 B 8</b>	160	15	14,0	15	8.5	200	1	
6323920	<b>DSV 35 B 9</b>	200	18	16,0	17	10.5	270	1	
6324060	<b>DSV 35 B 10</b>	200	18	17,5	17	10.5	290	1	
6324220	<b>DSV 35 B 12</b>	200	20	22,0	21	12.5	385	1	
6324300	<b>DSV 35 B 13</b>	200	22	23,5	23	12.5	690	1	
6324490	<b>DSV 35 B 14</b>	200	24	26,0	25	14.5	690	1	
6324730	<b>DSV 35 B 17</b>	250	28	31,0	31	17.0	840	1	
6325030	<b>DSV 35 B 19</b>	320	30	34,0	31	17.0	1060	1	
6325460	<b>DSV 35 B 22</b>	320	34	39,0	36	19.0	1710	1	





### 35 D

#### TOMMY BAR for 35 and V 35

- ✔ To DIN 900 Form A
- ✔ With location grooves for socket wrenches

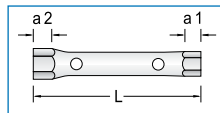


Code	No.	l [mm]	Ø	SW	PK
6326000	<b>35 D 6</b>	160	6	35	1
6326190	<b>35 D 8</b>	180	8	70	1
6326270	<b>35 D 10</b>	200	10	125	1
6326350	<b>35 D 12</b>	250	12	220	1
6326430	<b>35 D 14</b>	320	14	380	1
6326510	<b>35 D 16</b>	400	16	630	1
6326780	<b>35 D 18</b>	500	18	1000	1
6326860	<b>35 D 20</b>	630	20	1550	1

### 26 R

#### DOUBLE ENDED SOCKET WRENCH

- ✔ To DIN 896 Form B, ISO 2236, ISO 1085
- ✔ In tubular steel, DIN 2391 seamless
- ✔ \* not standardised



Code	No.	*	L	a <sub>1</sub>	a <sub>2</sub>	26 D	26 RS	SW	PK
6222810	<b>26 R 5,5x7</b>	*	105	6.5	8.0	5	1	28	5
6210050	<b>26 R 6x7</b>		110	10.0	11.0	5	1	25	10
6210210	<b>26 R 8x9</b>		110	11.0	12.0	6	1	35	10
6210480	<b>26 R 8x10</b>		120	11.0	12.5	6	1	45	10
6210560	<b>26 R 9x10</b>	*	120	12.0	12.5	6	1	45	5
6210640	<b>26 R 10x11</b>		120	12.5	13.0	6	1	45	10
6210720	<b>26 R 10x13</b>		140	13.0	14.5	8	2	75	10
6210800	<b>26 R 11x13</b>		140	14.0	14.5	8	2	75	5
6210990	<b>26 R 12x13</b>		140	14.0	14.5	8	2	75	10
6211020	<b>26 R 12x14</b>		140	14.0	15.0	8	2	80	10
6211100	<b>26 R 13x14</b>	*	140	14.5	15.0	8	2	85	10
6211290	<b>26 R 13x15</b>	*	140	14.5	16.0	8	2	90	10
6211370	<b>26 R 14x15</b>		140	15.0	16.0	8	2	90	10
6211450	<b>26 R 13x17</b>		150	14.5	17.0	10	2	120	10
6211530	<b>26 R 14x17</b>		150	15.0	17.0	10	2	120	10
6211610	<b>26 R 16x17</b>		150	16.0	17.0	10	2	120	10
6223030	<b>26 R 16x18</b>		150	13.0	16.0	10	2	125	5
6211880	<b>26 R 17x19</b>		160	17.0	20.0	12	3	180	10
6211960	<b>26 R 18x19</b>		160	18.0	20.0	12	3	180	10
6212180	<b>26 R 19x22</b>		170	20.0	21.0	12	3	210	10
6212260	<b>26 R 20x22</b>		170	20.0	21.0	12	3	210	10
6212340	<b>26 R 21x23</b>		170	20.0	22.0	14	3	215	10
6212420	<b>26 R 22x24</b>		190	21.0	24.0	14	3	280	10
6212500	<b>26 R 24x26</b>		190	24.0	26.0	14	3	290	10
6212690	<b>26 R 24x27</b>		190	24.0	26.0	14	3	300	10
6212770	<b>26 R 25x28</b>		200	24.0	26.0	16	3	350	10
6212850	<b>26 R 27x30</b>		200	26.0	27.0	16	3	360	10
6212930	<b>26 R 27x32</b>		200	26.0	31.0	16	3	370	10
6213070	<b>26 R 30x32</b>		200	27.0	31.0	16	3	380	10
6213150	<b>26 R 30x36</b>		220	27.0	32.0	18	-	530	1
6213230	<b>26 R 32x36</b>		220	31.0	32.0	18	-	550	1
6213310	<b>26 R 36x41</b>		220	32.0	35.0	18	-	650	1
6213580	<b>26 R 41x46</b>		240	35.0	38.0	20	-	950	1
6213660	<b>26 R 46x50</b>		240	38.0	40.0	20	-	1050	1
6213740	<b>26 R 50x55</b>		240	40.0	43.0	20	-	1150	1

### KD 26 R

#### DOUBLE ENDED SOCKET WRENCH SET with tommy bars

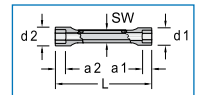


Code	No.	SW	PK
6218540	<b>KD 26 R-8</b> <b>26 R</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 <b>26 RS</b> 1 2 3	1720	1
6218890	<b>KD 26 R-120</b> <b>26 R</b> 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32 <b>26 RS</b> 1 2 3	2660	1

### 626

#### DOUBLE ENDED SOCKET WRENCH 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)
- ✔ Sizes 6x7 and 8x9 with no hole



Code	No.	L	a <sub>1</sub>	a <sub>2</sub>	d <sub>1</sub>	d <sub>2</sub> ● mm	26 RS-626 S	SW	PK
6525120	<b>626 6x7</b>	105	6.0	7.0	9.5	10.5	8	626 S 1	40 10
6525200	<b>626 8x9</b>	110	7.0	8.0	12.0	13.0	9	626 S 1	55 10
6525390	<b>626 10x11</b>	120	9.0	9.5	14.5	16.0	11	626 S 1	70 10
6525470	<b>626 12x13</b>	140	10.5	11.0	17.0	18.5	13	626 S 1	110 10
6525710	<b>626 14x15</b>	145	11.5	13.0	19.5	21.0	14	626 S 1	140 10
6520160	<b>626 13x16</b>	145	11.0	13.0	18.5	22.0	15	626 S 2	115 5
6520750	<b>626 13x17</b>	155	11.0	14.0	18.5	23.0	15	626 S 2	130 5
6526280	<b>626 16x17</b>	155	13.0	14.0	22.0	23.0	16	626 S 2	165 10
6520240	<b>626 16x18</b>	160	13.0	15.0	22.0	24.5	18	626 S 2	205 1
6526360	<b>626 17x19</b>	165	14.0	17.5	23.0	26.0	18	626 S 2	220 5
6526440	<b>626 18x19</b>	165	15.0	17.5	24.5	26.0	18	626 S 2	220 5
6520320	<b>626 18x21</b>	170	15.0	17.5	24.5	28.5	19	626 S 2	300 1
6526520	<b>626 19x22</b>	175	17.5	18.5	26.0	30.0	19	626 S 2	290 5
6526600	<b>626 20x22</b>	175	17.5	18.5	27.5	30.0	19	626 S 2	290 5
6526790	<b>626 21x23</b>	185	17.5	19.5	28.5	31.0	21	626 S 2	320 1
6520400	<b>626 21x24</b>	185	17.5	21.5	28.5	32.5	24	26 RS-626 S-3	360 1
6526870	<b>626 24x26</b>	195	21.5	23.5	32.5	34.5	24	26 RS-626 S-3	400 1
6526950	<b>626 24x27</b>	195	21.5	23.5	32.5	36.0	24	26 RS-626 S-3	400 5
6527090	<b>626 25x28</b>	205	21.5	23.5	33.5	37.0	27	26 RS-626 S-3	420 1
6527170	<b>626 30x32</b>	210	25.0	29.0	39.5	42.5	30	26 RS-626 S-3	580 5
6520590	<b>626 30x34</b>	220	25.0	29.0	39.5	46.0	30	26 RS-626 S-3	800 1
6527250	<b>626 32x36</b>	225	29.0	30.5	42.5	48.0	32	26 RS-626 S-3	850 1
6520670	<b>626 34x36</b>	235	29.0	30.5	46.0	48.0	32	26 RS-626 S-3	1000 1







### KD 626

DOUBLE ENDED SOCKET WRENCH SET with tommy bars

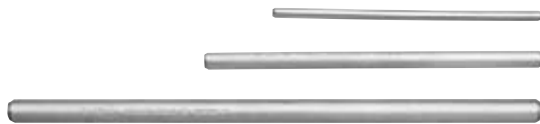


Code	No.	↕	📦
6528650	<b>KD 626-7</b> 626 8x9 10x11 12x13 14x15 16x17 18x19 20x22 626 S 1 2	1150	1
6528730	<b>KD 626-8</b> 626 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 626 S 1 2	1200	1
6528810	<b>KD 626-120</b> 626 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32 626 S 1 2 3	3000	1

### 26 D

TOMMY BAR

▶ To DIN 900 Form A



Code	No.	l [mm]	∅	↕	📦
6208310	<b>26 D 5</b>	125	5	20	5
6208580	<b>26 D 6</b>	160	6	35	5
6208740	<b>26 D 8</b>	180	8	70	5
6208820	<b>26 D 10</b>	200	10	125	5
6208900	<b>26 D 12</b>	250	12	220	5
6209040	<b>26 D 14</b>	320	14	380	1
6209120	<b>26 D 16</b>	400	16	630	1
6209200	<b>26 D 18</b>	500	18	1000	1
6209390	<b>26 D 20</b>	630	20	1550	1
6209470	<b>26 D 25</b>	710	25	2750	1
6209550	<b>26 D 32</b>	800	32	5050	1
6209630	<b>26 D 40</b>	1000	40	9850	1

### 26 RS

STEPPED TOMMY BAR



Code	No.	l [mm]	∅ <sub>1</sub>	∅ <sub>2</sub>	∅ <sub>3</sub>	∅ <sub>4</sub>	∅ <sub>5</sub>	↕	📦
6219350	<b>26 RS 1</b>	190	5,0	6,0				40	5
6219430	<b>26 RS 2</b>	240	8,0	10,0				140	5
6528220	<b>26 RS-626 S-3</b>	310	11,7	13,7	16,0			500	5

### 626 S

STEPPED TOMMY BAR

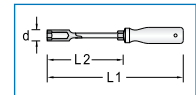


Code	No.	l [mm]	∅ <sub>1</sub>	∅ <sub>2</sub>	∅ <sub>3</sub>	∅ <sub>4</sub>	∅ <sub>5</sub>	↕	📦
6528060	<b>626 S 1</b>	190	3,7	4,7	5,2	7,0		50	5
6528140	<b>626 S 2</b>	240	6,7	7,7	8,7	9,7	11,0	160	5
6528220	<b>26 RS-626 S-3</b>	310	11,7	13,7	16,0			500	5

### 2133

NUT DRIVER WITH 3C-HANDLE

- ▶ To DIN 3125, ISO 2725-1 (only metric sizes)
- ▶ With hanging hole
- ▶ Head depth 25 mm, blade length 125 mm
- ▶ Size 2.5 - 3.5 with stepped head ∅ 5 mm
- ▶ 10 mm and larger with hexagon bolster size 13 mm
- ▶ \* not standardised



Code	No.	*	L <sub>1</sub>	L <sub>2</sub>	d	● mm	↕	📦
1746669	<b>2133 2,5</b>	*	225	125	7,0	-	50	1
1746677	<b>2133 3</b>		225	125	7,0	-	50	1
1746685	<b>2133 3,2</b>		225	125	7,0	-	50	1
1746693	<b>2133 3,5</b>		225	125	7,0	-	50	1
1746707	<b>2133 4</b>		225	125	6,9	-	50	1
1746715	<b>2133 4,5</b>		225	125	7,0	-	55	1
1746723	<b>2133 5</b>		225	125	8,0	-	57	1
1746731	<b>2133 5,5</b>		225	125	8,0	-	75	1
1746758	<b>2133 6</b>		225	125	9,0	-	65	1
1746766	<b>2133 7</b>		235	125	11,0	-	75	1
1746855	<b>2133 8</b>		235	125	12,0	-	80	1
1746863	<b>2133 9</b>		235	125	13,0	-	85	1
1746898	<b>2133 10</b>		245	125	14,0	13	85	1
1746901	<b>2133 11</b>		245	125	16,0	13	140	1
1746928	<b>2133 12</b>		245	125	17,0	13	140	1
1746944	<b>2133 13</b>		245	125	18,0	13	150	1
1746952	<b>2133 14</b>		245	125	19,7	13	155	1

Code	No.	L <sub>1</sub>	L <sub>2</sub>	d	↕	📦
1746960	<b>2133 3/16AF</b>	225	125	7,0	45	1
1746979	<b>2133 1/4AF</b>	225	125	10,0	70	1
1746987	<b>2133 9/32AF</b>	235	125	11,0	80	1
1746995	<b>2133 5/16AF</b>	235	125	12,0	80	1
1747002	<b>2133 11/32AF</b>	235	125	13,0	80	1
1747010	<b>2133 3/8AF</b>	245	125	14,0	90	1
1747029	<b>2133 7/16AF</b>	245	125	16,0	105	1
1747037	<b>2133 1/2AF</b>	245	125	18,0	120	1





**33 F**

**NUT DRIVER flexible**

- ▶ With hanging hole
- ▶ Limited torque
- ▶ Head depth 13 mm



Code	No.	L <sub>1</sub>	L <sub>2</sub>	d	↔	📦
6362230	<b>33 F 5</b>	250	150	11	120	5
6360020	<b>33 F 6</b>	250	150	11	120	5
6360290	<b>33 F 7</b>	250	150	11	120	10
6360370	<b>33 F 8</b>	250	150	12	120	10
6360610	<b>33 F 10</b>	270	160	14	220	5

**33 TLM**

**NUT DRIVER WITH T-HANDLE with magnet, long pattern**

- ▶ With hanging hole
- ▶ Head depth 25 mm



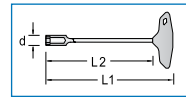
Code	No.	L <sub>1</sub>	L <sub>2</sub>	d	↔	📦
6352190	<b>33 TLM 8</b>	389	350	12	150	5
6353160	<b>33 TLM 10</b>	389	350	14	175	5
6353240	<b>33 TLM 13</b>	389	350	18	220	5



**TX 33 T**

**NUT DRIVER WITH T-HANDLE for protruding TORX® head screws**

- ▶ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

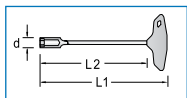


Code	No.	⊙	📏	✳️ mm	L <sub>1</sub>	L <sub>2</sub>	d	↔	📦
1394940	<b>TX 33 T E4</b>	E4	M3	3,86 x 2,88	192,5	160	7	74	5
1394967	<b>TX 33 T E5</b>	E5	M4	4,73 x 3,46	192,5	160	7	74	5
1394975	<b>TX 33 T E6</b>	E6	M5	5,74 x 4,11	234,0	195	8	76	5
1394983	<b>TX 33 T E7</b>	E7	M6	6,16 x 4,55	234,0	195	10	97	5
1395009	<b>TX 33 T E8</b>	E8	M6 - M7	7,52 x 5,4	234,0	195	11	100	5
1395017	<b>TX 33 T E10</b>	E10	M8	9,42 x 6,92	269,0	230	13	146	5

**33 T**

**NUT DRIVER WITH T-HANDLE**

- ▶ With hanging hole
- ▶ Head depth 25 mm
- ▶ Size 2.5 - 3.5 with stepped head Ø 5 mm



Code	No.	L <sub>1</sub>	L <sub>2</sub>	d	↔	📦
1531239	<b>33 T 2,5</b>	180.0	160	7.0	160	5
1531247	<b>33 T 3</b>	180.0	160	7.0	160	5
1531255	<b>33 T 3,2</b>	180.0	160	7.0	160	5
1531263	<b>33 T 3,5</b>	227.5	195	7.0	160	5
1531271	<b>33 T 4</b>	227.5	195	6.9	160	5
1531298	<b>33 T 4,5</b>	227.5	195	7.0	160	5
1531301	<b>33 T 5</b>	227.5	195	8.0	160	5
6353320	<b>33 T 5,5</b>	227.5	195	8.0	95	5
6357580	<b>33 T 6</b>	227.5	195	9.0	100	5
6357660	<b>33 T 7</b>	227.5	195	11.0	120	10
6357740	<b>33 T 8</b>	269.0	230	12.0	130	10
6357820	<b>33 T 9</b>	269.0	230	13.0	150	5
6357900	<b>33 T 10</b>	269.0	230	14.0	160	10
6353400	<b>33 T 11</b>	269.0	230	16.0	180	5
6353590	<b>33 T 12</b>	269.0	230	17.0	185	5
6358040	<b>33 T 13</b>	269.0	230	18.0	200	10
6366060	<b>33 T 14</b>	269.0	230	20.0	200	5



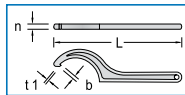


## HOOK SPANNERS

40

### HOOK WRENCH with lug

- Similar to DIN 1810, Form A
- For slotted round nuts according to DIN 981

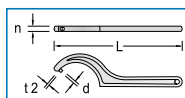


Code	No.	L	b	n	t <sub>1</sub>	↕	📦
6333990	<b>40 16-20</b>	110	2.0	3.8	1.5	20	10
6334020	<b>40 25-28</b>	135	2.5	4.5	2.0	40	10
6334100	<b>40 30-32</b>	135	2.5	4.5	2.0	45	10
6334290	<b>40 34-36</b>	170	3.0	5.5	2.5	75	10
6334370	<b>40 40-42</b>	170	3.0	5.5	2.5	80	10
6334450	<b>40 45-50</b>	205	3.5	6.5	3.0	115	10
6334530	<b>40 52-55</b>	205	3.5	6.5	3.0	120	10
6334610	<b>40 58-62</b>	240	4.0	7.5	3.5	200	10
6334880	<b>40 68-75</b>	240	4.0	7.5	3.5	210	10
6334960	<b>40 80-90</b>	280	5.0	8.5	4.0	290	10
6335180	<b>40 95-100</b>	280	5.0	8.5	4.0	300	1
6335260	<b>40 110-115</b>	335	5.0	10.3	4.0	480	1
6335340	<b>40 120-130</b>	335	5.0	10.3	4.0	500	1
6335420	<b>40 135-145</b>	385	6.0	12.3	5.0	670	1
6335500	<b>40 155-165</b>	385	6.0	12.3	5.0	700	1
6335690	<b>40 180-195</b>	465	6.0	14.3	5.0	1200	1
6335770	<b>40 205-220</b>	465	6.0	14.3	5.0	1400	1

40 Z

### HOOK WRENCH with pin

- Similar to DIN 1810, Form B
- For cross-drilled nuts according to DIN 1816

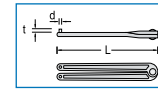


Code	No.	L	d	n	t <sub>2</sub>	↕	📦
6335850	<b>40 Z 16-18</b>	110	2.5	3.8	2.5	20	5
6335930	<b>40 Z 20-22</b>	110	2.5	3.8	2.5	25	5
6336580	<b>40 Z 25-28</b>	135	3.0	4.5	3.0	40	5
6336660	<b>40 Z 30-32</b>	135	4.0	4.5	3.0	45	10
6336740	<b>40 Z 34-36</b>	170	4.0	5.5	3.5	75	10
6336820	<b>40 Z 40-42</b>	170	4.0	5.5	3.5	80	10
6336900	<b>40 Z 45-50</b>	205	5.0	6.5	4.0	115	10
6337040	<b>40 Z 52-55</b>	205	5.0	6.5	4.0	120	10
6337120	<b>40 Z 58-62</b>	240	5.0	7.5	5.0	200	10
6337200	<b>40 Z 68-75</b>	240	6.0	7.5	5.0	210	10
6337390	<b>40 Z 80-90</b>	280	6.0	8.5	6.0	290	10
6337470	<b>40 Z 95-100</b>	280	8.0	8.5	6.0	300	1
6337550	<b>40 Z 110-115</b>	335	8.0	10.3	8.0	480	1
6337630	<b>40 Z 120-130</b>	335	8.0	10.3	8.0	500	1
6337710	<b>40 Z 135-145</b>	385	8.0	12.3	8.0	670	1
6337980	<b>40 Z 155-165</b>	385	8.0	12.3	8.0	700	1
6338010	<b>40 Z 180-195</b>	465	10.0	14.3	8.0	1200	1
6338280	<b>40 Z 205-220</b>	465	10.0	14.3	8.0	1400	1

44

### CALIPER FACE SPANNER adjustable

- Similar to DIN 3116
- Special sizes on request



Code	No.	∅ mm	L	L''	d	t	↕	📦
6354480	<b>44 3</b>	3	178	7	2.9	4	135	10
6354560	<b>44 4</b>	4	178	7	3.8	5	140	10
6354640	<b>44 5</b>	5	230	9	4.8	6	275	10
6354720	<b>44 6</b>	6	230	9	5.8	7	275	10
6354990	<b>44 8</b>	8	230	9	7.8	8	285	10

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... [www.gedore.com](http://www.gedore.com)





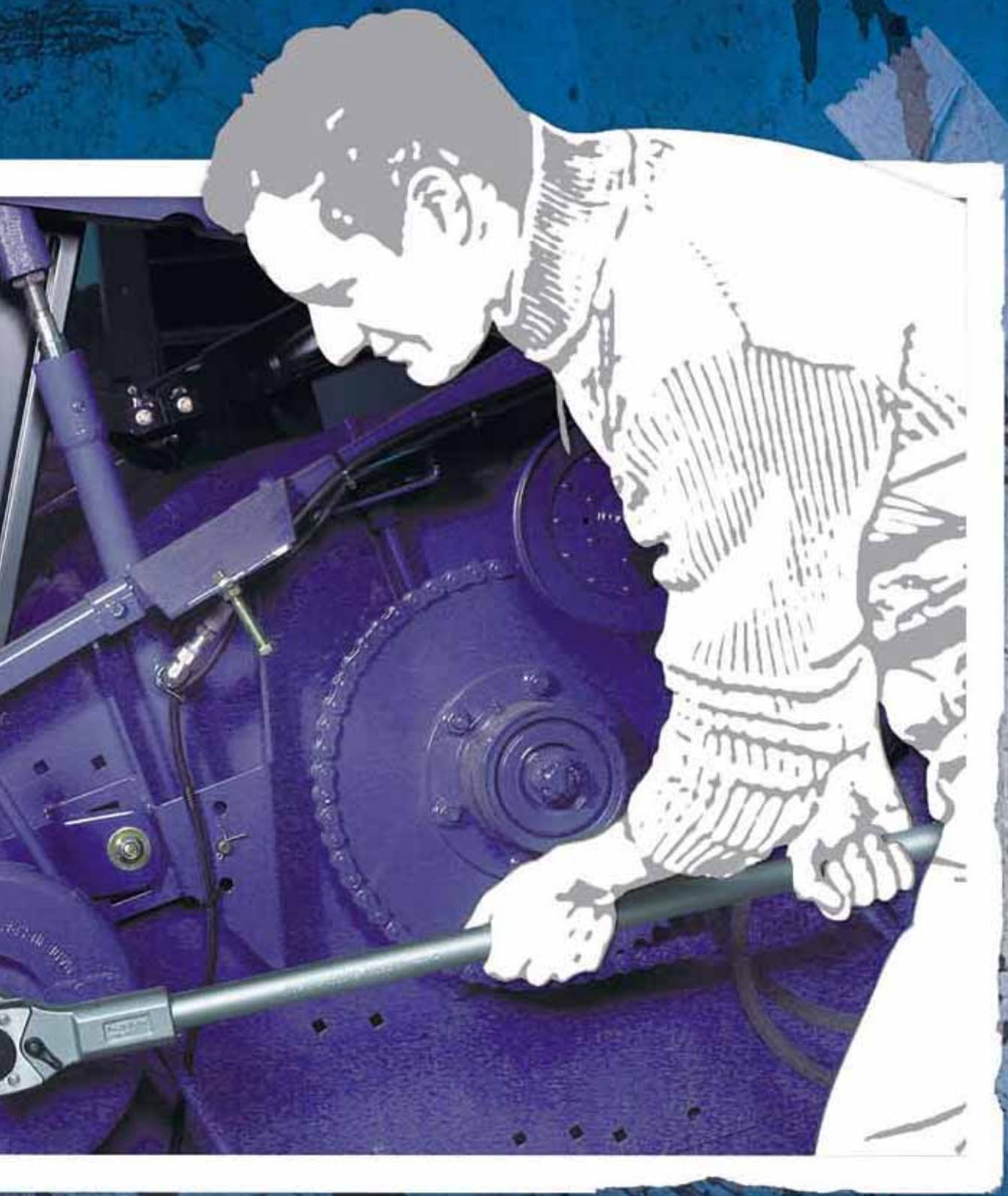
**GEDORE**

# RUGGED AND VERSATILE SOCKET SETS DESIGN FOR UNIVERSAL USE

## OVERVIEW

- ▶ Ratchets
- ▶ Friction ratchets
- ▶ Socket sets
- ▶ Bits
- ▶ Sockets
- ▶ Accessories
- ▶ Impact tools







Slim design with release head and reversing lever



Screwdriver bit sockets



Secure-locking extension and socket - securely fixed



Extension and socket locked in place



Socket



## U-20 RATCHETS

Design-orientated premium ratchets



### WORKING PRINCIPLE



### SLIDING T BAR with release



### SOCKETS



The range includes an unparalleled variety of sockets to meet all industrial and professional requirements, including the socket with the snug fitting UNIT-Drive profile.

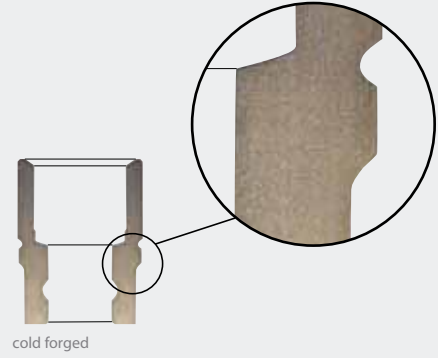
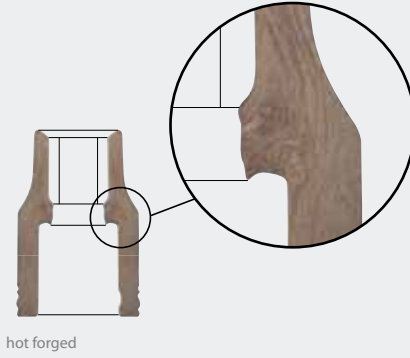




# MANUFACTURING PROCESS FOR SOCKETS

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 the natural world. In a tree, the soft fibre orientation, is parallel to the branch shape 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



Blank cropped to size from 31CrV3



Hot forged in the forging press.



Accurately cropped to size.



Outside diameter turned and knurled. For this and the next step, GEDORE uses high-tech machinery from its in-house special mechanical engineering department.



Counterbored, square socket drive fluted (ball-stop flute), manufacturer and socket size permanently stamped.



Degreased - grease would destroy the protective gas atmosphere in hardening.



Hardened under protective gas atmosphere, followed by annealing.



Sand blasted as preparation for surface coating.



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.



**6.3 (1/4") SQUARE DRIVE**

6.3 1/4 6.3 1/4

**SOCKETS 6.3 (1/4")**



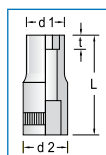
1/4"

20

**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, polished, chrome-plated

6.3

1/4"



Code	No.	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	±	⊖
6165400	20 4	4.0	24.7	6.9	12.0	2.0	9	10
6165590	20 4,5	4.5	24.7	7.5	12.0	2.3	10	5
6165670	20 5	5.0	24.7	8.2	12.0	2.5	10	10
6165750	20 5,5	5.5	24.7	8.8	12.0	3.0	10	10
6165830	20 6	6.0	24.7	9.4	12.0	3.5	10	10
6165910	20 7	7.0	24.7	11.0	12.0	4.0	12	10
6166050	20 8	8.0	24.7	12.0	12.0	5.0	14	10
6166130	20 9	9.0	24.7	13.0	13.0	5.0	16	10
6166210	20 10	10.0	24.7	14.7	14.7	6.0	20	10
6166480	20 11	11.0	24.7	16.0	16.0	7.0	25	10
6166560	20 12	12.0	24.7	17.0	17.0	8.0	30	10
6166640	20 13	13.0	24.7	18.0	18.0	8.0	35	10
6166720	20 14	14.0	24.7	19.7	19.7	10.0	40	10

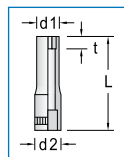
Code	No.	Ø 32AF	L	d <sub>1</sub>	d <sub>2</sub>	t	±	⊖
6167020	20 3/16AF	3/16	24.7	7.8	12.0	2.5	10	1
6167100	20 7/32AF	7/32	24.7	8.8	12.0	3.0	10	1
6167290	20 1/4AF	1/4	24.7	9.8	12.0	3.5	10	1
6167370	20 9/32AF	9/32	24.7	11.0	12.0	4.0	12	1
6167450	20 5/16AF	5/16	24.7	12.0	12.0	5.0	14	1
6167530	20 11/32AF	11/32	24.7	13.0	13.0	5.0	16	1
6167610	20 3/8AF	3/8	24.7	14.0	14.0	6.0	20	1
6167880	20 7/16AF	7/16	24.7	16.0	16.0	7.0	25	1
6167960	20 1/2AF	1/2	24.7	18.0	18.0	8.0	35	1
6161840	20 9/16AF	9/16	24.7	20.0	20.0	10.0	40	1

Code	No.	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	±	⊖
6168500	20 8BA	8	24.7	6.7	12.0	2.0	9	1
6168690	20 7BA	7	24.7	7.3	12.0	2.3	10	1
6168770	20 6BA	6	24.7	8.0	12.0	2.5	10	1
6168850	20 5BA	5	24.7	8.8	12.0	3.0	10	1
6168930	20 4BA	4	24.7	9.8	12.0	3.5	10	1
6169070	20 3BA	3	24.7	11.0	12.0	4.0	12	1
6169150	20 2BA	2	24.7	12.0	12.0	5.0	14	1
6169230	20 1BA	1	24.7	13.0	13.0	5.0	16	1
6169310	20 0BA	0	24.7	15.0	15.0	7.0	20	1



20 L

**SOCKET 1/4" long, 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, polished, chrome-plated



6.3

1/4"



Code	No.	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	±	⊖
6191400	20 L 4	4.0	50	6.9	12.0	3.0	15	5
6191590	20 L 4,5	4.5	50	7.5	12.0	3.4	15	5
6191670	20 L 5	5.0	50	8.2	12.0	3.7	15	5
6191750	20 L 5,5	5.5	50	8.8	12.0	4.5	20	5
6191830	20 L 6	6.0	50	9.4	12.0	5.2	20	5
6191910	20 L 7	7.0	50	11.0	12.0	6.0	20	5
6192050	20 L 8	8.0	50	12.0	12.0	7.5	25	10
6192130	20 L 9	9.0	50	13.0	13.0	7.5	30	5
6192210	20 L 10	10.0	50	14.0	14.0	9.0	35	10
6192480	20 L 11	11.0	50	16.0	16.0	10.5	45	5
6192560	20 L 12	12.0	50	17.0	17.0	12.0	50	5
6192640	20 L 13	13.0	50	18.0	18.0	12.0	65	10

Code	No.	Ø 32AF	L	d <sub>1</sub>	d <sub>2</sub>	t	±	⊖
6192800	20 L 3/16AF	3/16	50	7.8	12.0	3.7	15	1
6192990	20 L 7/32AF	7/32	50	8.8	12.0	4.5	20	1
6193020	20 L 1/4AF	1/4	50	9.8	12.0	5.2	20	1
6193100	20 L 9/32AF	9/32	50	11.0	12.0	6.0	20	1
6193290	20 L 5/16AF	5/16	50	12.0	12.0	7.5	25	1
6193370	20 L 11/32AF	11/32	50	13.0	13.0	7.5	30	1
6193450	20 L 3/8AF	3/8	50	14.0	14.0	9.0	35	1
6193530	20 L 7/16AF	7/16	50	16.0	16.0	10.5	50	1
6193610	20 L 1/2AF	1/2	50	18.0	18.0	12.0	65	1

D 20

**SOCKET 1/4" 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, polished, chrome-plated

6.3

1/4"



Code	No.	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	±	⊖
1649558	D 20 4	4.0	24.7	6.9	12.0	2.0	15	1
1649566	D 20 4,5	4.5	24.7	7.5	12.0	2.3	15	1
1649574	D 20 5	5.0	24.7	8.2	12.0	2.5	10	1
1802402	D 20 5,5	5.5	24.7	8.8	12.0	3.0	12	1
1649582	D 20 6	6.0	24.7	9.4	12.0	3.5	11	1
1649590	D 20 7	7.0	24.7	11.0	12.0	4.0	11	1
6225750	D 20 8	8.0	24.7	12.0	12.0	5.0	15	5
6225830	D 20 9	9.0	24.7	13.0	13.0	5.0	15	1
6226050	D 20 10	10.0	24.7	14.7	14.7	6.0	20	5
6226130	D 20 11	11.0	24.7	16.0	16.0	7.0	25	1
6226480	D 20 12	12.0	24.7	17.0	17.0	8.0	25	1
6226640	D 20 13	13.0	24.7	18.5	18.5	8.0	30	5
6226720	D 20 14	14.0	24.7	19.7	19.7	10.0	40	1

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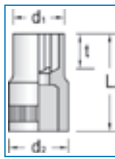




Code	No.	Ø AF	L	d <sub>1</sub>	d <sub>2</sub>	t	↺↻	Ⓢ
1812505	<b>D 20 3/16AF</b>	3/16	24.7	7.8	12.0	2.5	11	1
1812513	<b>D 20 7/32AF</b>	7/32	24.7	8.8	12.0	3.0	12	1
1812521	<b>D 20 1/4AF</b>	1/4	24.7	9.8	12.0	3.5	13	1
1812548	<b>D 20 9/32AF</b>	9/32	24.7	11.0	12.0	4.0	14	1
6226800	<b>D 20 5/16AF</b>	5/16	24.7	12.0	12.0	5.0	15	1
6226990	<b>D 20 11/32AF</b>	11/32	24.7	13.0	13.0	5.0	15	1
6227020	<b>D 20 3/8AF</b>	3/8	24.7	14.0	14.0	6.0	15	1
1901702	<b>D 20 13/32AF</b>	13/32	24.7	15.0	15.0	6.0	20	1
6227370	<b>D 20 7/16AF</b>	7/16	24.7	16.0	16.0	7.0	25	1
6227450	<b>D 20 1/2AF</b>	1/2	24.7	18.0	18.0	8.0	30	1
6228180	<b>D 20 9/16AF</b>	9/16	24.7	20.0	20.0	10.0	40	1

**TX 20**

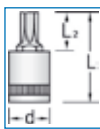
**SOCKET 1/4" for protruding TORX® head screws**  
 Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove  
 Hand-operated, polished, chrome-plated  
 TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	Ø	Ø AF	★mm	L	d <sub>1</sub>	d <sub>2</sub>	t	↺↻	Ⓢ
6193880	<b>TX 20 E4</b>	E4	M3	3.86	25	5.5	11	4.5	10	5
6187640	<b>TX 20 E5</b>	E5	M4	4.75	25	7.0	11	5.0	10	5
6187720	<b>TX 20 E6</b>	E6	M5	5.74	25	8.0	11	5.0	10	5
6187800	<b>TX 20 E7</b>	E7	M6	6.22	25	9.5	11	6.0	10	5
6187990	<b>TX 20 E8</b>	E8	M6 - M7	7.52	25	10.5	12	6.5	15	5
6193960	<b>TX 20 E10</b>	E10	M8	9.42	25	13.0	13	7.0	15	5

**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, with pressed-in pin, gun-metal finish  
 TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



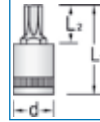
Code	No.	Ø	Ø AF	★mm	L <sub>1</sub>	L <sub>2</sub>	d	↺↻	Ⓢ
6190430	<b>ITX 20 T8</b>	T8	M2,5	2.31	30.5	14.5	12	10	10
6190510	<b>ITX 20 T9</b>	T9	M3	2.50	30.5	14.5	12	10	10
6190780	<b>ITX 20 T10</b>	T10	M3 - M3,5	2.74	30.5	14.5	12	10	10
6190860	<b>ITX 20 T15</b>	T15	M3,5 - M4	3.27	30.5	14.5	12	10	10
6190940	<b>ITX 20 T20</b>	T20	M4 - M5	3.86	30.5	14.5	12	10	10
6191080	<b>ITX 20 T25</b>	T25	M4,5 - M5	4.43	30.5	14.5	12	10	10
6191160	<b>ITX 20 T27</b>	T27	M4,5 - M6	4.99	30.5	14.5	12	10	10
6191240	<b>ITX 20 T30</b>	T30	M6 - M7	5.52	30.5	14.5	12	15	10
6265890	<b>ITX 20 T40</b>	T40	M7 - M8	6.65	33.5	14.0	14	20	10



Deviant packing units see article description.

**ITX 20 IP**

**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, with pressed-in pin, gun-metal finish  
 TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

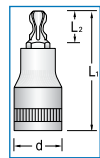


Code	No.	Ø	Ø AF	★mm	L <sub>1</sub>	L <sub>2</sub>	d	↺↻	Ⓢ
1815431	<b>ITX 20 6IP</b>	6IP	M2	2.31	30.5	14.5	12	13	1
1815458	<b>ITX 20 8IP</b>	8IP	M2,5 - M3	2.50	30.5	14.5	12	13	1
1815466	<b>ITX 20 10IP</b>	10IP	M3 - M3,5	2.74	30.5	14.5	12	13	1
1815474	<b>ITX 20 15IP</b>	15IP	M3,5 - M4	3.27	30.5	14.5	12	13	1
1815482	<b>ITX 20 20IP</b>	20IP	M4 - M5	3.86	30.5	14.5	12	14	1
1815490	<b>ITX 20 25IP</b>	25IP	M4,5 - M5	4.43	30.5	14.5	12	14	1
1827898	<b>ITX 20 27IP</b>	27IP	M5 - M6	4.99	30.5	14.5	12	14	1
1815504	<b>ITX 20 30IP</b>	30IP	M6	5.52	30.5	14.5	12	15	1
1815512	<b>ITX 20 40IP</b>	40IP	M7 - M8	6.65	33.5	14.0	14	25	1



**ITX 20 K**

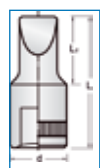
**SCREWDRIVER BIT SOCKET 1/4" with ball end for recessed TORX® head screws**  
 Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove  
 Hand-operated, with pressed-in pin, gun-metal finish  
 Swivel angle approx. 15°-20°  
 TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	Ø	Ø AF	★mm	L <sub>1</sub>	L <sub>2</sub>	d	↺↻	Ⓢ
6120220	<b>ITX 20 K T10</b>	T10	M3 - M3,5	2.74	30.5	14.5	12	20	1
6120300	<b>ITX 20 K T15</b>	T15	M3,5 - M4	3.27	30.5	14.5	12	20	1
6120490	<b>ITX 20 K T20</b>	T20	M4 - M5	3.86	30.5	14.5	12	20	1
6120570	<b>ITX 20 K T25</b>	T25	M4,5 - M5	4.43	30.5	14.5	12	20	1
6120650	<b>ITX 20 K T27</b>	T27	M4,5 - M6	4.99	30.5	14.5	12	20	1
6120730	<b>ITX 20 K T30</b>	T30	M6 - M7	5.52	30.5	14.5	12	20	1
6120810	<b>ITX 20 K T40</b>	T40	M7 - M8	6.65	33.5	14.0	14	20	1

**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, chrome-plated  
 Bit as per DIN DIN ISO 2380-1, Form B, manganese-phosphated



Code	No.	mm<sub>C</sub>	mm<sub>D</sub>	L <sub>1</sub>	L <sub>2</sub>	d	↺↻	Ⓢ
6171560	<b>IS 20 4x0,8</b>	0.8	4.0	28	14.5	12	20	10
6171640	<b>IS 20 5,5x1</b>	1.0	5.5	28	14.5	12	20	10
6174230	<b>IS 20 6,5x1,2</b>	1.2	6.5	28	14.5	12	20	10
6174310	<b>IS 20 8x1,6</b>	1.6	8.0	28	14.5	12	20	10

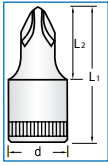


**IKS 20**

**SCREWDRIVER BIT SOCKET 1/4"**

for cross-slotted head screws PH

- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, chrome-plated
- Bit as per DIN ISO 8764-1 PH, manganese-phosphated

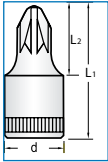


Code	No.	⊕PH	L <sub>1</sub>	L <sub>2</sub>	d	↔	⊞
6174580	<b>IKS 20 1</b>	1	28	15	12	20	10
6174660	<b>IKS 20 2</b>	2	28	15	12	20	10
6174740	<b>IKS 20 3</b>	3	28	15	12	20	10
6174820	<b>IKS 20 4</b>	4	28	15	12	20	10

**IKS 20 PZD**

**SCREWDRIVER BIT SOCKET 1/4" for cross-slotted head screws PZ**

- Square drive as per DIN 3120 - C 6.3, ISO 1174, with ball retaining groove
- Hand-operated, chrome-plated
- Bit as per DIN ISO 8764-1 PZ, manganese-phosphated

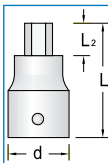


Code	No.	⊕PZ	L <sub>1</sub>	L <sub>2</sub>	d	↔	⊞
6187130	<b>IKS 20 PZD 1</b>	1	28	15	12	10	10
6187210	<b>IKS 20 PZD 2</b>	2	28	15	12	15	10
6187480	<b>IKS 20 PZD 3</b>	3	28	15	12	15	10
6187560	<b>IKS 20 PZD 4</b>	4	28	15	12	20	10

**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, chrome-plated, bit, manganese-phosphated
- \* not standardised



Code	No.	*	● mm	L <sub>1</sub>	L <sub>2</sub>	d	↔	⊞
1812556	<b>IN 20 2</b>	*	2.0	28	4.5	12	12	1
1707736	<b>IN 20 2,5</b>	*	2.5	28	5.0	12	13	1
6176010	<b>IN 20 3</b>		3.0	28	5.5	12	20	10
6176280	<b>IN 20 4</b>		4.0	28	7.0	12	20	10
6176360	<b>IN 20 5</b>		5.0	28	8.0	12	20	10
6178490	<b>IN 20 6</b>		6.0	28	8.5	12	25	10
6178570	<b>IN 20 8</b>	*	8.0	28	10.0	12	25	10

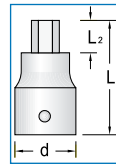


**IN 20 L**

**SCREWDRIVER BIT SOCKET 1/4" long,**

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, chrome-plated, bit manganese-phosphated



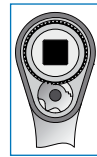
Code	No.	● mm	L <sub>1</sub>	L <sub>2</sub>	d	↔	⊞
1933256	<b>IN 20 L 3-60</b>	3	60	32	12	24	1
1933264	<b>IN 20 L 4-60</b>	4	60	32	12	25	1
1933272	<b>IN 20 L 5-60</b>	5	60	32	12	27	1
1933280	<b>IN 20 L 6-60</b>	6	60	32	12	29	1
1933299	<b>IN 20 L 8-60</b>	8	60	32	14	50	1

**RATCHETS 6.3 (1/4")**

**2093 U-20**

**REVERSIBLE RATCHET 1/4"**

- Acc. to DIN 3122, ISO 3315
- Fine-toothed, with lever change and push-button release
- 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



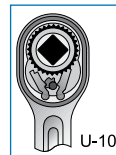
Code	No.	■"	■	∠°	↳mm↳	↳	↔	⊞
1703749	<b>2093 U-20</b>	1/4	6.3	9	127	20	91	1



**2093 U-10**

**REVERSIBLE RATCHET 1/4"**

- Acc. to DIN 3122, ISO 3315
- With lever change, locks in middle position
- For hand-operated sockets and accessories with square drive as per DIN 3120 C 6.3, ISO 1174, ball locking device



Code	No.	■"	■	∠°	↳mm↳	↳	↔	⊞
6180470	<b>2093 U-10</b>	1/4	6.3	15	129	22.2	105	5

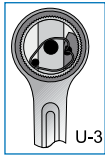


**2093 U-3**

**REVERSIBLE RATCHET 1/4"**

- Acc. to DIN 3122, ISO 3315
- With non-slip metal disc change, fine-toothed and robust
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 6.3, ISO 1174, ball locking device

6,3  
1/4"



Code	No.	□"	■	□	□"	■	□	□"	□	□"	□
6170590	<b>2093 U-3</b>	1/4	6.3	5	129	25	65	5			

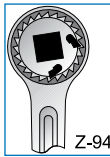


**2093 Z-94**

**RATCHET HANDLE WITH COUPLER 1/4"**

- Acc. to DIN 3122, ISO 3315
- With square coupler, medium-fine toothed, extremely rugged
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 6.3, ISO 1174, ball locking device

6,3  
1/4"



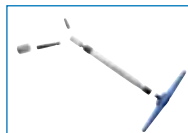
Code	No.	□"	■	□	□"	■	□	□"	□
6170750	<b>2093 Z-94</b>	1/4	6.3	18	129	12	65	5	

**2093 U-3 T**

**RATCHET WITH T-HANDLE 1/4"**

- With metal reversing disc and fine-toothed ratchet wheel
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 6.3, ISO 1174, ball locking device

6,3  
1/4"



Code	No.	□"	■	□	□"	■	□	□"
1791532	<b>2093 U-3 T</b>	1/4	6.3	5	140	56	1	

**2093 HR-94**

**HAND RATCHET 1/4" without handle**

- With square coupler
- 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"



Code	No.	□"	■	□	□"	■	□	□"
6069870	<b>2093 HR-94</b>	1/4	6.3	18	28	1		

**ACCESSORIES 6.3 (1/4")**

**2030**

**CONVERTOR 1/4" TO 3/8"**

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device

6,3  
1/4"  
10  
3/8"



Code	No.	□"	□	□"	■	□	□"	□	□"	□
6170080	<b>2030</b>	1/4	6.3	3/8	10	26	15	10		

**2087**

**SLIDING T BAR 1/4"**

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device

6,3  
1/4"



Code	No.	□"	■	□	□"	■	□	□"
6170160	<b>2087</b>	1/4	6.3	115	40	5		

**2087 A**

**SLIDING T BAR WITH RELEASE 1/4"**

- Secured against unintentional removal
- 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

6,3  
1/4"



Code	No.	□"	■	□	□"	■	□	□"
1834398	<b>2087 A</b>	1/4	6.3	115	38	1		

**2088**

**FLEXIBLE EXTENSION 1/4"**

- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device

6,3  
1/4"



Code	No.	□"	■	□	□"	■	□	□"
6170240	<b>2088</b>	1/4	6.3	120	45	10		

**2090**

**EXTENSION 1/4"**

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device
- \* not standardised

6,3  
1/4"



Code	No.	□"	■	□	□"	■	□	□"	□	□"
6170320	<b>2090-2</b>	1/4	6.3	55	25	10				
6170400	<b>2090-4</b>	1/4	6.3	97	45	10				
6171210	<b>2090-6</b>	1/4	6.3	148	50	10				
6173340	<b>2090-12</b>	*	1/4	6.3	305	120	1			



**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

6.3  
1/4"



Code	No.	■"	■	□"	□	↳mm↳	↕	📦
1932284	<b>2090 A-2</b>	1/4	6.3			55	30	1
1932292	<b>2090 A-4</b>	1/4	6.3			97	50	1
1932306	<b>2090 A-12</b>	1/4	6.3			305	125	1



1/4"

**2090 KR**

**UNIVERSAL EXTENSION 1/4"**

- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device
- The extension is able to pivot up to 15°

6.3  
1/4"



Code	No.	■"	■	□"	□	↳mm↳	↕	📦
1812564	<b>2090 KR-2</b>	1/4	6.3			55	25	1
1812572	<b>2090 KR-4</b>	1/4	6.3			97	45	1
6121030	<b>2090 KR-6</b>	1/4	6.3			148	60	1



**2094**

**COUPLER 1/4"**

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device

6.3  
1/4"



Code	No.	■"	■	□"	□	↳mm↳	↕	📦
6170830	<b>2094</b>	1/4	6.3			19.8	5	10

**2095**

**UNIVERSAL JOINT 1/4"**

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device

6.3  
1/4"



Code	No.	■"	■	□"	□	↳mm↳	↕	📦
6170910	<b>2095</b>	1/4	6.3	1/4	6.3	38	20	10

**2097**

**SWIVEL HANDLE 1/4"**

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device

6.3  
1/4"



Code	No.	■"	■	↳mm↳	↕	📦
6171050	<b>2097</b>	1/4	6.3	146	75	1

**2098**

**DRIVING HANDLE 1/4"**

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device

6.3  
1/4"



Code	No.	■"	■	↳mm↳	↕	📦
6171480	<b>2098</b>	1/4	6.3	140	70	10

**2098 K**

**DRIVING HANDLE 1/4" short pattern**

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device

6.3  
1/4"



Code	No.	■"	■	↳mm↳	↕	📦
1953788	<b>2098 K</b>	1/4	6.3	70	34	1

**2098 T**

**DRIVING HANDLE 1/4"**

- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device
- With bit adaptor no. 620 also suitable for 1/4" bits
- Easy access to deep-fitting screws in confined areas
- With hanging hole

6.3  
1/4"



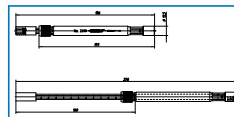
Code	No.	■"	■	↳mm↳	↕	📦
1939998	<b>2098 T</b>	1/4	6.3	300	150	1

**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

6.3  
1/4"  
6.3  
1/4"  
📏



Code	No.	□"	□	○"	○	↳mm↳	↕	📦
1888455	<b>2099</b>	1/4	6.3	1/4	6.3	186-296	205	1

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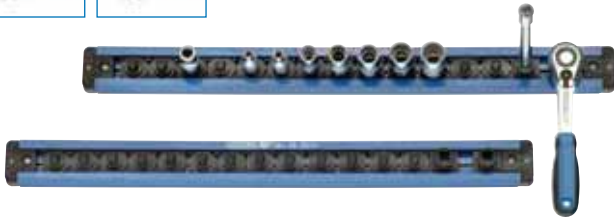




### SL 2013

#### 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

**6,3****1/4"****6,3****1/4"**

Code	No.	mm	mm	mm	mm
1761080	<b>SL 2013</b>	380	33	350	1

### S 2032-05

#### ADAPTOR SET 1/4" - 3/4"

- Set of reducers and converters 1/4" - 3/4"
- Reducers 1930, 3020
- Convertors 2030, 3019, 1932
- In transparent plastic box L 134 x W 51 x H 51 mm
- Please take note of the maximum capacity of the external squares of the reducers acc. to DIN 3123, ISO 3316

**6,3****1/4"****10****3/8****12,5****1/2****20****3/4"**

Code	No.	Contents	mm	mm
1729071	<b>S 2032-05</b>	2030	335	1
		3020		
		3019		
		1930		
		1932		

### SETS 6.3 (1/4")

**6,3 1/4"**

- New classification 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

**1/4"**

#### D 20 DM

##### SOCKET SET 1/4" 14 pieces

- In plastic case
- Dimensions: 160 x 95 x 38 mm

**6,3****1/4"**

Code	No.	mm	mm
1815563	<b>D 20 DM</b> D 20 4 4,5 5 5,5 6 7 8 9 10 11 12 13 673 6,3 676	346	1

#### D 20 DMU-3

##### SOCKET SET 1/4" 14 pieces

- In plastic case
- Dimensions: 160 x 95 x 38 mm

**6,3****1/4"**

Code	No.	mm	mm
1815598	<b>D 20 DMU-3</b> U-3 2093 U-3 D 20 4 4,5 5 5,5 6 7 8 9 10 11 12 13 2090-4	415	1

#### D 20 DMU-3 T

##### SOCKET SET 1/4" 13 pieces

- In plastic case
- Dimensions: 160 x 95 x 38 mm

**6,3****1/4"**

Code	No.	mm	mm
1815571	<b>D 20 DMU-3 T</b> U-3 2093 U-3 T 2093 HR-94 D 20 4 5 6 7 8 9 10 11 12 13 2090 KR-4	401	1





**SUPPLEMENTARY SETS**

**INS 20 PM**

SCREWDRIVER BIT SOCKET SET 1/4" 15 pieces

- ✔ In plastic case
- ✔ Dimensions: 160 x 95 x 38 mm



- 6.3
- 1/4"
- 
- 
- +
- +

Code	No.		
1815601	<b>INS 20 PM</b> ● 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	275	1

**ITX 20 TX-015**

SCREWDRIVER BIT SOCKET SET 1/4" 15 pieces

- ✔ In plastic case
- ✔ Dimensions: 160 x 95 x 38 mm
- ✔ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



- 6.3
- 1/4"
- ★
- ★

Code	No.		
1815628	<b>ITX 20 TX-015</b> ★ ITX 20 T8 T9 T10 T15 T20 T25 T27 T30 T40 ○ TX 20 E4 E5 E6 E7 E8 E10	295	1

**ITX 20 PM**

SCREWDRIVER BIT SOCKET SET 1/4" 9 pieces

- ✔ In plastic case
- ✔ Dimensions: 110 x 65 x 31 mm
- ✔ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



- 6.3
- 1/4"
- ★

Code	No.		
1815636	<b>ITX 20 PM</b> ★ ITX 20 T8 T9 T10 T15 T20 T25 T27 T30 T40	200	1

**COMPACT SETS**

**D 20 EMU-3**

SOCKET SET 1/4" 17 pieces

- ✔ In plastic case
- ✔ Dimensions: 200 x 120 x 38 mm



- 6.3
- 1/4"
- 

Code	No.		
1815652	<b>D 20 EMU-3</b> ● 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	577	1



**D 20 K**

SOCKET SET 1/4" 37 pieces

- ✔ In plastic case
- ✔ Dimensions: 200 x 120 x 38 mm
- ✔ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



- 6.3
- 1/4"
- 
- 6.3
- 1/4"
- 
- +
- +
- 
- ★

Code	No.		
1822373	<b>D 20 KMU-20</b> ● 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	656	1
2010348	<b>D 20 KAU-20</b> ● 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	1	1



**D 20 TMU-10**

**SOCKET SET 1/4" 40 pieces**

- ▶ In plastic case
- ▶ Dimensions: 200 x 120 x 38 mm
- ▶ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

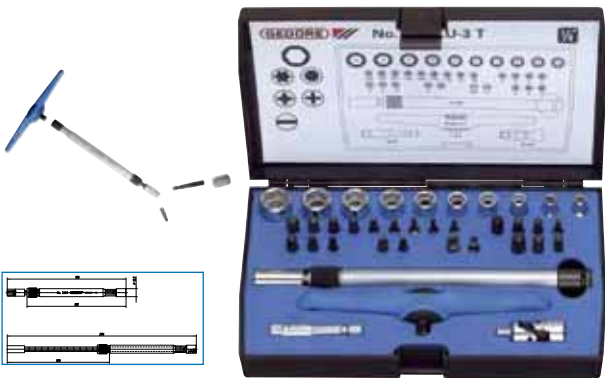


Code	No.		
1815660	<b>D 20 TMU-10</b> <b>U-10 2093 U-10</b> <b>D 20 4 5 6 7 8 9 10 11 12 13</b> <b>680 4 6,5</b> <b>685 3 4 5 6 8</b> <b>685 X 5 6 8</b> <b>687 TX T10 T15 T20 T25 T27 T30 T40</b> <b>690 1 2</b> <b>690 PZD 1 2 3</b> <b>620</b> <b>639 673 6,3</b> <b>676 699</b> <b>2095</b> <b>2090-4</b>	720	1

**20 XLU-3 T**

**SOCKET SET 1/4" 37 pieces**

- ▶ With telescopic extension no. 2099, for universal work
- ▶ In plastic case
- ▶ Dimensions: 200 x 120 x 38 mm
- ▶ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.		
1888447	<b>20 XLU-3 T</b> <b>U-3 T 2093 U-3 T</b> <b>20 4 5 6 7 8 9 10 11 12 13</b> <b>680 4 6,5</b> <b>685 3 4 5 6</b> <b>685 X 5 6 8</b> <b>687 TX T8 T9 T10 T15 T20 T25 T27 T30 T40</b> <b>690 1 2</b> <b>690 PZD 1 2 3</b> <b>673 6,3</b> <b>2099</b> <b>2095</b>	800	1



**VOLUME SETS**

**D 20 FMU-20**

**SET FOR PRECISION MECHANICS 1/4" + 4 MM 52 pieces**

- ▶ Practical tool set for precision mechanical work
- ▶ Includes practical pickup tool for bits, no. 635, for easy replacement of the bits in the socket
- ▶ Two ratchets for different applications:
  - ▶ Fine-toothed reversible lever ratchet no. 2093 U-20 for high-torque bit ratchet no. 471, combined with socket holder no. 673, allows the use of sockets in extremely confined spaces
- ▶ With GEDORE Check-Tool system: missing tool check using two colour plastic inserts



Code	No.			
2000237	<b>D 20 FMU-20 471</b> <b>U-20 2093 U-20</b> <b>480 0,8 1,2 1,5 1,8</b> <b>485 0,7 0,9 1,3 1,5</b> <b>490 PH 000 00 0</b> <b>490 PZD 000 00 0</b> <b>487 TX T3 T4 T5 T6 T7 T8</b> <b>D 20 4 4,5 5 5,5 6 7 8</b> <b>685 2 2,5 3 4 5</b> <b>687 TX T9 T10 T15 T20 T25</b> <b>690 1 2</b> <b>690 PZD 1 2</b> <b>6 4x4,5 5x5,5 7x8</b> <b>420 499</b> <b>620</b> <b>2090 KR-4</b> <b>673 K 635</b>	810	1	

**D 20 WMU-3**

**SOCKET SET 1/4" 29 pieces**

- ▶ In plastic case
- ▶ Dimensions: 275 x 150 x 42 mm



Code	No.		
1815679	<b>D 20 WMU-3</b> <b>U-3 2093 U-3</b> <b>D 20 4 4,5 5 5,5 6 7 8 9 10 11 12 13</b> <b>8 4 5 5,5 6 7 8 9 10 11 13</b> <b>639 673 6,3</b> <b>676</b> <b>2095</b> <b>2090-2 -4</b>	906	1



**20 LMU-10**

SOCKET SET 1/4" 49 pieces

- With short and long sockets
- In plastic case
- Dimensions: 275 x 150 x 42 mm
- TORX® = trademark of Acument Intellectual Properties, LLC. USA

6,3

1/4"



6,3

1/4"



1/4"



Code	No.			
1815687	<b>20 LMU-10</b>		1175	1
	<ul style="list-style-type: none"> <li>U-10 2093 U-10</li> <li>D 20 4 5 6 7 8 9 10 11 12 13</li> <li>20 L 4,5 5 6 7 8 9 10 12 13</li> <li>680 4 6,5 685 3 4 5 6 8</li> <li>685 X 5 6 8</li> <li>687 TX T10 T15 T20 T25 T27 T30 T40</li> <li>690 1 2 690 PZD 1 2 3 620</li> <li>676 699 2090-2 -6 2095</li> </ul>			

**20 IMU-3**

SOCKET SET 1/4" 32 pieces

- In plastic case
- Dimensions: 275 x 150 x 42 mm

6,3

1/4"



6,3

1/4"



Code	No.			
6174150	<b>20 IMU-3</b>		1300	1
	<ul style="list-style-type: none"> <li>U-3 2093 U-3</li> <li>20 4 5 6 7 8 9 10 11 12 13 14</li> <li>IS 20 4 5,5 6,5 8 IN 20 3 4 5 6 8</li> <li>IKS 20 1 2 3 IKS 20 PZD 1 2 3</li> <li>2087 2090-2 -6 2095 2098</li> </ul>			

**STANDARD SETS**

**20 E**

SOCKET SET 1/4" 16 pieces / 14 pieces

- In plastic case
- Dimensions: 200 x 120 x 38 mm

6,3

1/4"



Code	No.			
6172100	<b>20 EMZ</b>		710	1
	<ul style="list-style-type: none"> <li>Z-94 2093 Z-94</li> <li>20 4 4,5 5 5,5 6 7 8 9 10 11 13</li> <li>2087 2090-4 2095 2098</li> </ul>			
6172290	<b>20 EMU-3</b>		710	1
	<ul style="list-style-type: none"> <li>U-3 2093 U-3</li> <li>20 4 4,5 5 5,5 6 7 8 9 10 11 13</li> <li>2087 2090-4 2095 2098</li> </ul>			
6162220	<b>20 EMU-10</b>		770	1
	<ul style="list-style-type: none"> <li>U-10 2093 U-10</li> <li>20 4 4,5 5 5,5 6 7 8 9 10 11 13</li> <li>2087 2090-4 2095 2098</li> </ul>			
6172450	<b>20 EAU-3</b>		700	1
	<ul style="list-style-type: none"> <li>U-3 2093 U-3</li> <li>20 3/16 7/32 1/4 9/32 5/16 11/32 3/8 7/16 1/2"</li> <li>2087 2090-4 2095 2098</li> </ul>			

**20 ITU-3**

SOCKET SET 1/4" 36 pieces

- In plastic case
- Dimensions: 275 x 150 x 42 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

6,3

1/4"



Code	No.			
6196710	<b>20 ITU-3</b>		1300	1
	<ul style="list-style-type: none"> <li>U-3 2093 U-3</li> <li>20 4 5 6 7 8 9 10 11 12 13 14</li> <li>IN 20 3 4 5 6 8</li> <li>TX 20 E4 E5 E6 E7 E8 E10</li> <li>ITX 20 T8 T9 T10 T15 T20 T25 T27 T30</li> <li>2087 2090-2 -6 2095 2098</li> </ul>			





## DISPLAY BOXES

### VB 20

#### DISPLAY BOX 1/4"

- For small sockets and bits
- Plastic box with removable dividers and labels for each article
- Dimensions: 330 x 250 x 55 mm

6,3

1/4"

6,3

1/4"

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+

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1/4"



Code	No.	Description	mm	ctn
6182170	<b>VB 20-I20</b> <b>VB 20-I20 L + S 20-I20</b>	Display box with assortment S 20-I20	2.4	1
6182090	<b>VB 20 ZB</b> <b>VB 20 ZB L + S 20 ZB</b>	Display box with assortment VB 20 ZB	2.5	1
6182330	<b>S 20-I20</b> <b>10x</b> ○ 20 10 <b>6x</b> ○ 20 4 5 5,5 6 7 8 9 11 13 <b>3x</b> ○ 20 4,5 12 14 <b>6x</b> ● IN 20 3 4 5 6 <b>3x</b> ● IN 20 8 <b>6x</b> ⊖ IS 20 4 5,5 6,5 <b>3x</b> ⊖ IS 20 8 <b>6x</b> ⊕ IKS 20 1 2 <b>3x</b> ⊕ IKS 20 3 4 <b>6x</b> ⊕ IKS 20 PZD 1 2 <b>3x</b> ⊕ IKS 20 PZD 3 4	Socket set 1/4", 157 pieces	2.7	1
6182250	<b>S 20 ZB</b> <b>6x</b> 2093 U-3 <b>4x</b> 2093 Z-94 <b>6x</b> 2087 <b>6x</b> 2090-4 -6 <b>4x</b> 2090-2 <b>6x</b> 2095 <b>6x</b> 2098 <b>2x</b> 2088 <b>2x</b> 2097 <b>2x</b> 2030 <b>10x</b> 2094	Accessory-set 1/4", 60 pieces	2.5	1

### VS 20

#### DISPLAY BOX 1/4" 187 pieces

- VS 20-20 L-I20 consisting of: set **S20-I20** and 5 pcs each of **20 L 6 7 8 9 10 13**
- In sheet metal rack
- Dimensions: 600 x 230 x 270 mm

6,3

1/4"

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Code	No.	Description	mm	ctn
6195820	<b>VS 20-20 L-I20</b>	Display stand with socket assortment 1/4" + 5 each 20 L 6 7 8 9 10 13	8.0	1
5434110	<b>VS 20 L</b>	Display stand complete without tools	5.3	1
5434030	<b>VS B 20</b>	Display stand with 9 compartments without tools	0.5	1
5433810	<b>VSS 20</b>	Sheet metal rack empty	3.2	1

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### 10 (3/8") SQUARE DRIVE



### SOCKETS 10 (3/8")



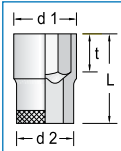
30

**SOCKET 3/8" hexagon**

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retention groove
- Hand-operated, polished, chrome-plated
- \* not standardised

10

3/8"



Code	No.	*	Ømm	L	d <sub>1</sub>	d <sub>2</sub>	t		
6230160	<b>30 6</b>	*	6	28	9.7	17.5	5.0	20	10
6230240	<b>30 7</b>		7	28	11.0	17.5	5.0	22	10
6230320	<b>30 8</b>		8	28	12.1	17.5	9.0	24	10
6230400	<b>30 9</b>		9	28	13.5	17.5	9.0	26	10
6230590	<b>30 10</b>		10	28	14.7	17.5	9.0	30	10
6233850	<b>30 11</b>		11	28	16.0	17.5	9.0	30	10
6233930	<b>30 12</b>		12	28	17.2	18.3	9.0	32	10
6234070	<b>30 13</b>		13	28	18.5	17.5	9.0	35	10
6234150	<b>30 14</b>		14	29	19.7	18.4	11.0	40	10
6234230	<b>30 15</b>		15	30	21.0	19.7	12.5	42	10
6234310	<b>30 16</b>		16	30	22.2	21.0	12.5	48	10
6234580	<b>30 17</b>		17	30	23.5	22.3	12.5	55	10
6234660	<b>30 18</b>		18	30	24.7	23.0	12.5	60	10
6234740	<b>30 19</b>		19	30	26.0	23.7	12.5	70	10
6234820	<b>30 20</b>		20	31	27.2	24.5	12.5	75	5
6234900	<b>30 21</b>		21	31	28.5	25.8	13.5	82	5
6235040	<b>30 22</b>		22	32	29.7	26.3	14.5	85	5

Code	No.	ØAF	L	d <sub>1</sub>	d <sub>2</sub>	t		
6232100	<b>30 1/4AF</b>	1/4	28	10.1	17.5	5.0	20	1
6232290	<b>30 9/32AF</b>	9/32	28	11.1	17.5	5.0	22	1
6232370	<b>30 5/16AF</b>	5/16	28	12.1	17.5	9.0	24	1
6232450	<b>30 11/32AF</b>	11/32	28	13.1	17.5	9.0	26	1
6232530	<b>30 3/8AF</b>	3/8	28	14.1	17.5	9.0	26	1

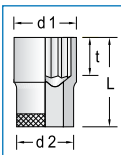
### D 30

**SOCKET 3/8" UD profile**

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, polished, chrome-plated
- \* not standardised

10

3/8"



Code	No.	*	Ømm	L	d <sub>1</sub>	d <sub>2</sub>	t		
1845705	<b>D 30 6</b>	*	6	28	9.7	17.5	5.0	20	10
1845713	<b>D 30 7</b>		7	28	11.0	17.5	5.0	22	10
1845721	<b>D 30 8</b>		8	28	12.1	17.5	9.0	24	10
1845748	<b>D 30 9</b>		9	28	13.5	17.5	9.0	26	10
6229230	<b>D 30 10</b>		10	28	14.7	17.5	9.0	30	10
6230670	<b>D 30 11</b>		11	28	16.0	17.5	9.0	30	5
6230750	<b>D 30 12</b>		12	28	17.2	18.3	9.0	32	5

Code	No.	*	Ømm	L	d <sub>1</sub>	d <sub>2</sub>	t		
6230830	<b>D 30 13</b>		13	28	18.5	17.5	9.0	35	10
6230910	<b>D 30 14</b>		14	29	19.7	18.4	11.0	40	5
6231050	<b>D 30 15</b>		15	30	21.0	19.7	12.5	42	5
6231130	<b>D 30 16</b>		16	30	22.2	21.0	12.5	48	5
6231210	<b>D 30 17</b>		17	30	23.5	22.3	12.5	55	10
6231480	<b>D 30 18</b>		18	30	24.7	23.0	12.5	60	5
6231560	<b>D 30 19</b>		19	30	26.0	23.7	12.5	70	10
6231640	<b>D 30 20</b>		20	31	27.2	24.5	12.5	75	5
6231720	<b>D 30 21</b>		21	31	28.5	25.8	13.5	82	5
6231800	<b>D 30 22</b>		22	32	29.7	26.3	14.5	85	5

Code	No.	ØAF	L	d <sub>1</sub>	d <sub>2</sub>	t		
2016613	<b>D 30 1/4AF</b>	1/4	28	10.1	17.5	5.0	20	1
1997122	<b>D 30 5/16AF</b>	5/16	28	12.1	17.5	5.0	20	1
1997130	<b>D 30 3/8AF</b>	3/8	28	14.1	17.5	9.0	10	1
1997149	<b>D 30 13/32AF</b>	13/32	28	15.0	17.5	9.0	20	1
6232610	<b>D 30 7/16AF</b>	7/16	28	16.1	17.5	9.0	30	1
6232880	<b>D 30 1/2AF</b>	1/2	28	18.1	19.2	9.0	35	1
6232960	<b>D 30 9/16AF</b>	9/16	29	20.1	18.7	11.0	40	1
6233180	<b>D 30 19/32AF</b>	19/32	30	21.0	19.7	12.5	42	1
6233260	<b>D 30 5/8AF</b>	5/8	30	22.1	20.7	12.5	48	1
6233340	<b>D 30 11/16AF</b>	11/16	30	24.0	22.7	12.5	55	1
6233420	<b>D 30 3/4AF</b>	3/4	30	26.0	23.7	12.5	70	1
1997157	<b>D 30 25/32AF</b>	25/32	31	27.0	24.3	12.5	75	1
1997165	<b>D 30 13/16AF</b>	13/16	31	28.0	25.3	12.5	80	1
6232020	<b>D 30 7/8AF</b>	7/8	32	30.0	26.5	14.5	100	1
1997173	<b>D 30 15/16AF</b>	15/16	33	31.9	28.0	15.5	110	1
1983296	<b>D 30 1AF</b>	1	33	33.9	30.0	15.5	120	1

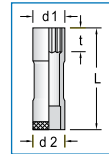
### D 30 L

**SOCKET 3/8" long, UD profile**

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, polished, chrome-plated

10

3/8"



Code	No.	Ømm	L	d <sub>1</sub>	d <sub>2</sub>	t		
6258330	<b>D 30 L 10</b>	10	63.5	14.7	17.5	11	50	10
6258410	<b>D 30 L 11</b>	11	63.5	16.0	17.5	12	60	5
6258680	<b>D 30 L 12</b>	12	63.5	17.2	17.5	14	65	5
6258760	<b>D 30 L 13</b>	13	63.5	18.5	19.0	14	70	10
6258840	<b>D 30 L 14</b>	14	63.5	19.7	19.5	17	85	5
6258920	<b>D 30 L 15</b>	15	63.5	21.0	20.5	17	85	5
6259060	<b>D 30 L 16</b>	16	63.5	22.2	22.0	17	95	5
6259140	<b>D 30 L 17</b>	17	63.5	23.5	20.5	17	105	5
6259220	<b>D 30 L 18</b>	18	63.5	24.7	21.5	20	110	5
6259300	<b>D 30 L 19</b>	19	63.5	26.0	22.0	20	120	5
6259490	<b>D 30 L 20</b>	20	63.5	27.2	23.5	20	135	1
6259570	<b>D 30 L 21</b>	21	63.5	28.5	23.5	20	145	1
6259650	<b>D 30 L 22</b>	22	63.5	29.7	23.5	23	160	1

Code	No.	ØAF	L	d <sub>1</sub>	d <sub>2</sub>	t		
6259730	<b>D 30 L 3/8AF</b>	3/8	63.5	14.1	17.5	11	50	1
6259810	<b>D 30 L 7/16AF</b>	7/16	63.5	16.1	17.5	12	60	1
6260070	<b>D 30 L 1/2AF</b>	1/2	63.5	18.1	19.0	14	70	1
6260150	<b>D 30 L 9/16AF</b>	9/16	63.5	20.1	19.5	17	85	1
6260230	<b>D 30 L 5/8AF</b>	5/8	63.5	22.1	22.0	17	95	1
6260310	<b>D 30 L 11/16AF</b>	11/16	63.5	24.0	20.5	17	105	1
6260580	<b>D 30 L 3/4AF</b>	3/4	63.5	26.0	22.0	20	135	1
6260660	<b>D 30 L 13/16AF</b>	13/16	63.5	28.3	23.5	20	145	1
6260740	<b>D 30 L 7/8AF</b>	7/8	63.5	30.0	23.5	23	160	1



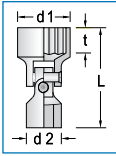
### DG 30

#### SWIVEL HEAD SOCKET 3/8" UD profile

- Hand-operated, square drive, chrome-plated

10

3/8"



Code	No.	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	⌀	Ⓜ
6240630	<b>DG 30 10</b>	10	41.5	14.7	19.0	8.0	55	1
6240710	<b>DG 30 11</b>	11	41.5	16.0	19.0	8.0	55	1
6240980	<b>DG 30 12</b>	12	42.5	17.2	19.0	9.0	60	1
6241520	<b>DG 30 13</b>	13	42.5	18.5	19.0	9.0	60	1
6241600	<b>DG 30 14</b>	14	43.5	19.7	19.0	10.0	60	1
6241790	<b>DG 30 15</b>	15	45.5	21.0	19.0	11.0	65	1
6241870	<b>DG 30 16</b>	16	45.5	22.2	19.0	11.0	70	1
6241950	<b>DG 30 17</b>	17	46.0	23.5	19.0	12.0	70	1
6242410	<b>DG 30 18</b>	18	46.0	24.7	19.0	12.5	75	1
6242680	<b>DG 30 19</b>	19	46.5	26.0	19.0	12.5	75	1

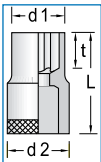
### TX 30

#### SOCKET 3/8" for protruding TORX® head screws

- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, polished, chrome-plated
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

10

3/8"



Code	No.	Ø	Ⓜ	★ mm	L	d <sub>1</sub>	d <sub>2</sub>	t	⌀	Ⓜ
6250270	<b>TX 30 E5</b>	E5	M4	4.75	28	7.2	17.5	5.0	25	5
6250350	<b>TX 30 E6</b>	E6	M5	5.74	28	8.5	17.5	5.0	25	5
6250430	<b>TX 30 E7</b>	E7	M6	6.22	28	9.5	17.5	5.5	25	5
6250510	<b>TX 30 E8</b>	E8	M6 - M7	7.52	28	10.8	17.5	6.0	25	5
6250780	<b>TX 30 E10</b>	E10	M8	9.42	28	13.2	17.5	9.0	30	5
6250860	<b>TX 30 E11</b>	E11	-	10.08	28	13.8	17.5	9.0	30	5
6250940	<b>TX 30 E12</b>	E12	M10	11.17	28	15.2	17.5	9.0	30	5
6251080	<b>TX 30 E14</b>	E14	M12	12.90	28	16.8	18.3	9.0	35	5

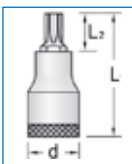
### ITX 30

#### 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, with pressed-in pin, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

10

3/8"



Code	No.	★	Ⓜ	★ mm	L <sub>1</sub>	L <sub>2</sub>	d	⌀	Ⓜ
6246320	<b>ITX 30 T20</b>	T20	M4 - M5	3.86	49	17	17.5	45	5
6246830	<b>ITX 30 T25</b>	T25	M4,5 - M5	4.43	49	17	17.5	45	5
6247210	<b>ITX 30 T27</b>	T27	M4,5 - M6	4.99	49	17	17.5	45	5
6247560	<b>ITX 30 T30</b>	T30	M6 - M7	5.52	49	17	17.5	45	5
6247720	<b>ITX 30 T40</b>	T40	M7 - M8	6.65	49	17	17.5	45	5
6247800	<b>ITX 30 T45</b>	T45	M8 - M10	7.82	49	17	17.5	50	5
6247990	<b>ITX 30 T50</b>	T50	M10	8.83	49	17	19.0	70	5

### ITX 30 L

#### SCREWDRIVER BIT SOCKET 3/8" long, for recessed TORX® head screws

- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, with pressed-in pin, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

10

3/8"



Code	No.	★	Ⓜ	★ mm	L <sub>1</sub>	L <sub>2</sub>	d	⌀	Ⓜ
1394177	<b>ITX 30 L T20</b>	T20	M4 - M5	3.86	94	62	17.5	45	5
1394185	<b>ITX 30 L T25</b>	T25	M4,5 - M5	4.43	94	62	17.5	45	5
1394193	<b>ITX 30 L T27</b>	T27	M4,5 - M6	4.99	94	62	17.5	45	5
1394207	<b>ITX 30 L T30</b>	T30	M6 - M7	5.52	94	62	17.5	45	5
1394215	<b>ITX 30 L T40</b>	T40	M7 - M8	6.65	94	62	17.5	45	5
1394223	<b>ITX 30 L T45</b>	T45	M8 - M10	7.82	94	62	17.5	50	5
1394231	<b>ITX 30 L T50</b>	T50	M10	8.83	94	62	19.0	70	5



3/8"



### 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, with pressed-in pin, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

10

3/8"



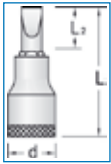
Code	No.	★	Ⓜ	★ mm	L <sub>1</sub>	L <sub>2</sub>	d	Bore	⌀	Ⓜ
1440969	<b>ITX 30 B T20</b>	T20	M4 - M5	3.86	49	17	17.5	1,55 x 1,86	47	5
1440977	<b>ITX 30 B T25</b>	T25	M4,5 - M5	4.43	49	17	17.5	1,93 x 2,04	47	5
1440985	<b>ITX 30 B T27</b>	T27	M4,5 - M6	4.99	49	17	17.5	2,18 x 2,29	46	5
1440993	<b>ITX 30 B T30</b>	T30	M6 - M7	5.52	49	17	17.5	2,56 x 2,92	84	5
1429701	<b>ITX 30 B T40</b>	T40	M7 - M8	6.65	49	17	19.0	2,92 x 3,28	64	5
1441000	<b>ITX 30 B T45</b>	T45	M8 - M10	7.82	49	17	19.0	3,45 x 3,68	65	5
1441019	<b>ITX 30 B T50</b>	T50	M10	8.83	49	17	20.5	3,83 x 3,78	77	5



**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, chrome-plated
- ▶ With pressed-in pin, blade as per DIN ISO 2380-1, Form B, manganese-phosphated

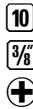


Code	No.	mm	mm	L <sub>1</sub>	L <sub>2</sub>	d	↺↻	⊞
6666100	<b>IS 30 5,5x1</b>	1.0	5.5	55	27	17.5	45	5
1640895	<b>IS 30 6,5x1,2</b>	1.2	6.5	55	27	17.5	45	1
6666290	<b>IS 30 8x1,2</b>	1.2	8.0	55	23	17.5	50	5
6666370	<b>IS 30 10x1,6</b>	1.6	10.0	55	23	19.0	55	5
1640909	<b>IS 30 12x2</b>	2.0	12.0	55	23	20.5	80	1

**IKS 30**

**SCREWDRIVER BIT SOCKET 3/8" for cross-slotted head screws PH**

- ▶ Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- ▶ Hand-operated, chrome-plated
- ▶ With pressed-in pin, tip as per DIN ISO 8764-1 PH, gun-metal finish



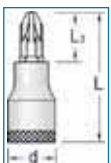
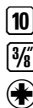
Code	No.	⊕ PH	L <sub>1</sub>	L <sub>2</sub>	d	↺↻	⊞
6666610	<b>IKS 30 1</b>	1	55	27	17.5	35	5
6666880	<b>IKS 30 2</b>	2	55	23	17.5	45	5
6666960	<b>IKS 30 3</b>	3	55	23	19.0	50	5



**IKS 30 PZD**

**SCREWDRIVER BIT SOCKET 3/8" for cross-slotted head screws PZ**

- ▶ Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- ▶ Hand-operated, chrome-plated
- ▶ With pressed-in pin, tip as per DIN ISO 8764-1 PZ, gun-metal finish

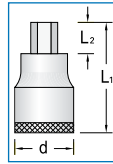


Code	No.	⊕ PZ	L <sub>1</sub>	L <sub>2</sub>	d	↺↻	⊞
1640968	<b>IKS 30 PZD 1</b>	1	55	27	17.5	40	1
1640976	<b>IKS 30 PZD 2</b>	2	55	23	17.5	50	1
1640984	<b>IKS 30 PZD 3</b>	3	55	23	19.0	55	1

**IN 30**

**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, chrome-plated
- ▶ With pressed-in pin, bit manganese-phosphated
- ▶ \* not standardised



Code	No.	*	mm	L <sub>1</sub>	L <sub>2</sub>	d	↺↻	⊞
6241010	<b>IN 30 4</b>		4	47	19	17.5	43	10
6241280	<b>IN 30 5</b>		5	47	19	17.5	44	10
6241360	<b>IN 30 6</b>		6	47	19	17.5	45	10
1643037	<b>IN 30 7</b>	*	7	47	19	17.5	46	1
6241440	<b>IN 30 8</b>		8	49	17	17.5	47	10
6242920	<b>IN 30 10</b>		10	49	17	19.0	60	10

**Detailed information on products, promotions and trade fairs**

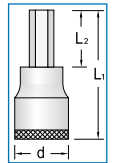
... [www.gedore.com](http://www.gedore.com)



**IN 30 L**

**SCREWDRIVER BIT SOCKET 3/8" long, for in-hex screws**

- ▶ Acc. to DIN 7422
- ▶ Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- ▶ Hand-operated, chrome-plated
- ▶ With pressed-in pin, bit manganese-phosphated

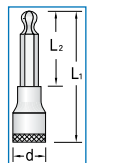


Code	No.	mm	L <sub>1</sub>	L <sub>2</sub>	d	↺↻	⊞
1510118	<b>IN 30 L 4-95</b>	4	95	67	17.5	44	10
1394347	<b>IN 30 L 5-95</b>	5	95	67	17.5	44	10
1394355	<b>IN 30 L 6-95</b>	6	95	67	17.5	44	10
1394363	<b>IN 30 L 7-95</b>	7	95	67	17.5	44	10
1394371	<b>IN 30 L 8-95</b>	8	95	63	17.5	44	10
1394398	<b>IN 30 L 10-95</b>	10	95	63	19.0	44	10

**IN 30 LK**

**SCREWDRIVER BIT SOCKET 3/8" long, with ball end, for in-hex screws**

- ▶ Total swivel angle approx. 15°-20°
- ▶ Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- ▶ Hand-operated, chrome-plated
- ▶ With pressed-in pin, bit gun-metal finished



Code	No.	mm	L <sub>1</sub>	L <sub>2</sub>	d	↺↻	⊞
1505718	<b>IN 30 LK 4</b>	4	132	104	17.5	44	10
1505726	<b>IN 30 LK 5</b>	5	132	104	17.5	51	10
1505742	<b>IN 30 LK 6</b>	6	132	104	17.5	59	10
1505750	<b>IN 30 LK 8</b>	8	134	102	17.5	88	10
1505769	<b>IN 30 LK 10</b>	10	134	102	19.0	126	10

**INX 30****SCREWDRIVER BIT SOCKET 3/8" for multi-point screws**

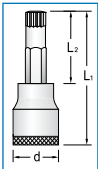
- Acc. to DIN 2324
- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, chrome-plated
- With pressed-in pin, tip as per DIN 2325, manganese-phosphated

**10****3/8"**

Code	No.	□	L <sub>1</sub>	L <sub>2</sub>	d	↺	↻
6242170	<b>INX 30 5</b>	M 5	49	17	17.5	44	5
6242250	<b>INX 30 6</b>	M 6	49	17	17.5	45	5
6242330	<b>INX 30 8</b>	M 8	49	17	17.5	47	5

**INX 30 L****SCREWDRIVER BIT SOCKET 3/8" long, for multi-point screws**

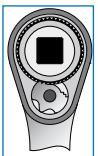
- Acc. to DIN 2324
- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, chrome-plated
- With pressed-in pin, tip as per DIN 2325, manganese-phosphated

**10****3/8"**

Code	No.	□	L <sub>1</sub>	L <sub>2</sub>	d	↺	↻
1394312	<b>INX 30 L 6</b>	M 6	94	62	17.5	45	5
1394320	<b>INX 30 L 8</b>	M 8	94	62	17.5	47	5
1394339	<b>INX 30 L 10</b>	M 10	94	62	19.0	50	5

**RATCHETS 10 (3/8")****3093 U-20****REVERSIBLE RATCHET 3/8"**

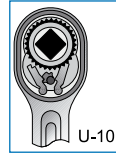
- Acc. to DIN 3122, ISO 3315
- Fine-toothed, with lever change and push-button release
- Non-slip 2-component handle with hanging hole
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 10, ISO 1174, ball locking device

**10****3/8"**

Code	No.	□	□	↺	↻	↺	↻
1556800	<b>3093 U-20</b>	3/8	10	6	200	29.7	320

**3093 U-10****REVERSIBLE RATCHET 3/8"**

- Acc. to DIN 3122, ISO 3315
- With lever change, locks in middle position
- Push-button release
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 10, ISO 1174, ball locking device

**10****3/8"**

Code	No.	□	□	↺	↻	↺	↻
6236950	<b>3093 U-10</b>	3/8	10	11,25	200	30.2	250

**3093 ALU-10****ALUMINIUM REVERSIBLE RATCHET 3/8"**

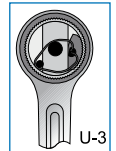
- Design spec. similar to DIN 3122, ISO 3315
- Made from special-purpose drop-forged and hardened aluminium
- The mechanism as in all U-10 ratchets is made from high quality steel
- With lever change
- Push-button release
- Locks in the middle position: When the lever is flipped, it automatically engages 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 158 g

**10****3/8"**

Code	No.	□	□	↺	↻	↺	↻
1900005	<b>3093 ALU-10</b>	3/8	10	11,25		158	1

**3093 U-3****REVERSIBLE RATCHET 3/8"**

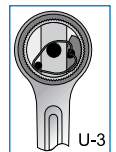
- Acc. to DIN 3122, ISO 3315
- With non-slip metal disc change, fine-toothed and robust
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 10, ISO 1174, ball locking device

**10****3/8"**

Code	No.	□	□	↺	↻	↺	↻
6237090	<b>3093 U-3</b>	3/8	10	5	200	33.5	200

**3093 GU-3****SWIVEL HEAD REVERSIBLE RATCHET 3/8"**

- Swivels through 180°, with joint lock
- Fine-toothed, 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

**10****3/8"**

Code	No.	□	□	↺	↻	↺	↻
6237170	<b>3093 GU-3</b>	3/8	10	5	282	33.5	350



**3093 Z-94**

**RATCHET HANDLE WITH COUPLER 3/8"**

- Acc. to DIN 3122, ISO 3315
- With square coupler, medium-fine toothed, extremely rugged
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 10, ISO 1174, ball locking device

10  
3/8"



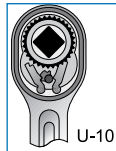
Code	No.	■"	■	∠°	↳mm↳	↳	↳	↳
6237680	<b>3093 Z-94</b>	3/8	10	10	200	18	220	5

**3093 U-10 K**

**PLASTIC RATCHET 3/8"**

- For fast and easy tightening of bolted connections up to max. 70 N·m
- Return angle 11.25°
- Made from sturdy compound material with a steel mechanism
- Dimensions 44 x 145 x 39 mm
- Available in five colours

10  
3/8"



Code	No.	Colour	■"	■	∠°	↳mm↳	↳	↳
6242090	<b>3093 U-10 K SCHWARZ</b>	signal-black	3/8	10	11,25	235	1	
6244970	<b>3093 U-10 K GRÜN</b>	moss-green	3/8	10	11,25	235	1	
6248100	<b>3093 U-10 K GRAU</b>	anthracite-grey	3/8	10	11,25	235	1	
6248290	<b>3093 U-10 K BLAU</b>	sky-blue	3/8	10	11,25	235	1	
1505394	<b>3093 U-10 K SIGNALGRAU</b>	signal-grey	3/8	10	11,25	247	1	

**3093 U-3 T**

**RATCHET WITH T-HANDLE 3/8"**

- With metal reversing disc and fine-toothed ratchet wheel
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 10, ISO 1174, ball locking device

10  
3/8"



Code	No.	■"	■	∠°	↳mm↳	↳	↳	↳
1973320	<b>3093 U-3 T</b>	3/8	10	5	140	56	1	

**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 ball locking device
- Load capacity as per size 10 (3/8")

10  
3/8"  
12,5  
1/2"



Code	No.	■"	■	■"	■	↳mm↳	↳	↳
6236010	<b>3019</b>	3/8	10	1/2	12,5	35	50	10

**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 ball locking device
- Load capacity as per size 6.3 (1/4")

10  
3/8"  
6,3  
1/4"



Code	No.	■"	■	■"	■	↳mm↳	↳	↳
6236280	<b>3020</b>	3/8	10	1/4	6,3	28,5	40	10

**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 ball locking device

10  
3/8"



Code	No.	■"	■	↳mm↳	↳	↳
6236360	<b>3081</b>	3/8	10	180	150	1

**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 ball locking device

10  
3/8"



Code	No.	■"	■	↳mm↳	↳	↳	↳
6236440	<b>3084</b>	3/8	10	288	440	1	
1965395	<b>3084 L</b>	3/8	10	463	568	1	

**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 ball locking device

10  
3/8"



Code	No.	■"	■	↳mm↳	↳	↳
6236520	<b>3087</b>	3/8	10	163	125	5



### 3087 A

#### SLIDING T BAR WITH RELEASE 3/8"

- Secured against unintentional removal
- Turn handle for easy locking and releasing
- An unintentional release during work is averted because of the asymmetrical detachment point
- Particularly useful for work in sensitive areas where certainty against loss is a theme
- Examples: Airplane engine, work in deep machine bodies
- DBGM

10  
3/8"



Code	No.	■"	■	↳mm↳	↕	📦
1871633	<b>3087 A</b>	3/8	10	163	135	1



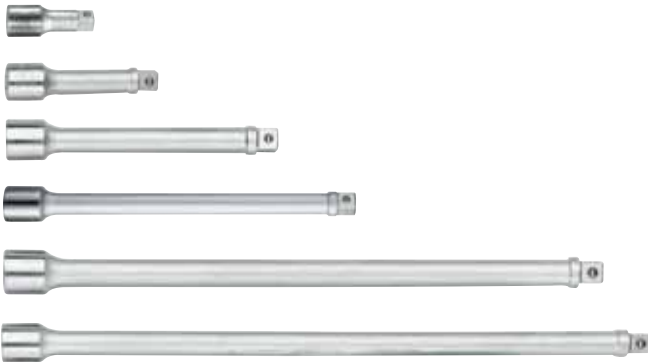
3/8"

### 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 ball locking device

10  
3/8"



Code	No.	■"	■	↳mm↳	↕	📦
1476637	<b>3090-2</b>	3/8	10	50	70	5
6236600	<b>3090-3</b>	3/8	10	76	70	5
6236790	<b>3090-5</b>	3/8	10	125	110	5
1476645	<b>3090-7</b>	3/8	10	180	70	5
6236870	<b>3090-10</b>	3/8	10	250	200	5
6238570	<b>3090-12</b>	3/8	10	305	260	5
1476653	<b>3090-20</b>	3/8	10	500	330	1

### 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 ball locking device

10  
3/8"



Code	No.	■"	■	↳mm↳	↕	📦
1932314	<b>3090 A-5</b>	3/8	10	125	120	1
1932322	<b>3090 A-10</b>	3/8	10	250	210	1

### 3090 KR

#### UNIVERSAL EXTENSION 3/8"

- For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174 ball locking device
- The extension is able to pivot up to 15°

10  
3/8"



Code	No.	■"	■	↳mm↳	↕	📦
1874381	<b>3090 KR-3</b>	3/8	10	76	80	1
1845756	<b>3090 KR-5</b>	3/8	10	125	108	1
1845764	<b>3090 KR-10</b>	3/8	10	250	197	1

### 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 ball locking device

10  
3/8"



Code	No.	■"	■	↳mm↳	↕	📦
6237760	<b>3094</b>	3/8	10	28.8	10	10

### 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 ball locking device

10  
3/8"



Code	No.	■"	■	□"	□	↳mm↳	↕	📦
6238140	<b>3095</b>	3/8	10	3/8	10	51	60	10

### 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 ball locking device

10  
3/8"



Code	No.	■"	■	↳mm↳	↕	📦
6238220	<b>3096</b>	3/8	10	254	240	5

### 3098

#### SWIVEL HANDLE 3/8"

- For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174 ball locking device

10  
3/8"



Code	No.	■"	■	↳mm↳	↕	📦
6182410	<b>3098</b>	3/8	10	450	1000	1



**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

10  
3/8"  
10  
3/8"  
U-DRIVE



3/8"



Code	No.	mm	mm	mm	mm
1761099	<b>SL 3014</b>	480	33	450	1

**VH 30**

**SPRING STEEL SOCKET RAIL 3/8"**

- For 3/8" sockets
- Delivery without tools

10  
3/8"



Code	No.	mm	mm
5164810	<b>VH 30</b>	80	1



**Adaptor set 1/4" up to 3/4"**  
S 2032-05 is listed on page 101

**SETS 10 (3/8")**

10 3/8"

**30 D / D 30 D**

**SOCKET SET 3/8" 12 pieces**

- In GEDORIT blue sheet steel case
- Dimensions: 206 x 62 x 40 mm

10  
3/8"  
U-DRIVE



Code	No.	mm	mm
6235200	<b>30 DMU-10</b> U-10 3093 U-10 30 6 7 8 9 10 11 13 14 17 19 3090-5	1.0	1
6238730	<b>D 30 DMU-10</b> U-10 3093 U-10 D 30 6 7 8 9 10 11 13 14 17 19 3090-5	1.0	1
6239030	<b>D 30 DAU-10</b> U-10 3093 U-10 30 1/4 5/16 11/32 3/8" D 30 7/16 1/2 9/16 5/8 11/16 3/4" 3090-5	1.0	1

**30 G / D 30 G**

**SOCKET SET 3/8" 17 pieces**

- In GEDORIT blue sheet steel case
- Dimensions: 320 x 210 x 55 mm

10  
3/8"  
U-DRIVE



Code	No.	mm	mm
6235980	<b>30 GMU-3</b> U-3 3093 U-3 30 6 7 8 9 10 11 13 14 15 16 17 19 3087 3090-5 -10 3095	1.9	1
6235710	<b>30 GMU-10</b> U-10 3093 U-10 30 6 7 8 9 10 11 13 14 15 16 17 19 3087 3090-5 -10 3095	1.9	1
6240200	<b>D 30 GMU-3</b> U-3 3093 U-3 D 30 6 7 8 9 10 11 13 14 15 16 17 19 3087 3090-5 -10 3095	1.9	1

Deviant packing units see article description.





Code	No.		
6239380	<b>D 30 GMU-10</b> U-10 3093 U-10 D 30 6 7 8 9 10 11 13 14 15 16 17 19 3087 3090-5 -10 3095	1.9	1
6240390	<b>D 30 GAU-3</b> U-3 3093 U-3 O 30 1/4 9/32 5/16 11/32 3/8" D 30 7/16 1/2 9/16 19/32 5/8 11/16 3/4" 3087 3090-5 -10 3095	1.9	1
6239540	<b>D 30 GAU-10</b> U-10 3093 U-10 O 30 1/4 9/32 5/16 11/32 3/8" D 30 7/16 1/2 9/16 19/32 5/8 11/16 3/4" 3087 3090-5 -10 3095	1.9	1

**30 H / D 30 H**

**SOCKET SET 3/8" 23 pieces**  
 In GEDORIT blue sheet steel case  
 Dimensions: 320 x 210 x 55 mm



Code	No.		
6238300	<b>30 HMU-3</b> U-3 3093 U-3 O 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	1
6235470	<b>30 HMU-10</b> U-10 3093 U-10 O 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	1
6240470	<b>D 30 HMU-3</b> 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	1
6239700	<b>D 30 HMU-10</b> 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	1

**THE NEW GENERATION OF GEDORE SOCKET SETS**



- Innovative, functional design
- Inside-folded, seamless edge provides added strength. The tool and foam inserts are secured to prevent them 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

Deviant packing units see article description.

**30 I / D 30 I**

**SOCKET SET 3/8" 26 pieces**  
 In GEDORIT blue sheet steel case  
 Dimensions: 320 x 210 x 55 mm



Code	No.		
6229900	<b>30 IMU-3</b> U-3 3093 U-3 O 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	2.3	1
6229740	<b>30 IMU-10</b> U-10 3093 U-10 O 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	2.3	1
6230080	<b>D 30 IMU-3</b> U-3 3093 U-3 D 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	2.3	1
6229820	<b>D 30 IMU-10</b> U-10 3093 U-10 D 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	2.3	1

**30 Q / D 30 Q**

**SOCKET SET 3/8" 35 pieces**  
 In GEDORIT blue sheet steel case  
 Dimensions: 315 x 181 x 40 mm



Code	No.		
6238490	<b>30 QMU-3</b> U-3 3093 U-3 O 30 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 880 6,5 7 8 885 3 4 5 6 8 890 1 2 3 3087 3090-5 -10 3095 870 KB 830	3.1	1
6235630	<b>30 QMU-10</b> U-10 3093 U-10 O 30 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 880 6,5 7 8 885 3 4 5 6 8 890 1 2 3 3087 3090-5 -10 3095 870 KB 830	2.8	1
6240550	<b>D 30 QMU-3</b> U-3 3093 U-3 D 30 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 880 6,5 7 8 885 3 4 5 6 8 890 1 2 3 3087 3090-5 -10 3095 870 KB 830	3.4	1
6239970	<b>D 30 QMU-10</b> U-10 3093 U-10 D 30 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 880 6,5 7 8 885 3 4 5 6 8 890 1 2 3 3087 3090-5 -10 3095 870 KB 830	3.4	1



**D 30 KMU-20**

SOCKET SET 3/8" 40 pieces

- ✔ In sheet steel case with insert
- ✔ Dimensions: 320 x 210 x 55 mm
- ✔ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

10

3/8"



6.3

1/4"



3/8"

Code	No.	Weight	Units
1973347	<b>D 30 KMU-20</b>	1.8	1
	U-20 <b>3093 U-20</b>		
	<b>3093 U-3 T</b>		
	☉ <b>D 30</b> 8 9 10 11 12 13 14 15 16 17 18 19		
	☉ <b>680</b> 4 5,5 6,5    ☉ <b>685</b> 3 4 5 6    ☉ <b>685 X</b> 5 6 8		
	☉ <b>687 TX</b> T10 T15 T20 T25 T27 T30    ☉ <b>690</b> 1 2		
	☉ <b>690 PZD</b> 1 2    ☉ <b>3090 KR-3</b> ☉ <b>3090-5</b>		
	<b>630 673 10 676 699</b>		

**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 Acument GmbH & Co. OHG, 56567 Neuwied

10

3/8"



Code	No.	Weight	Units
1509918	<b>IN 30 LKM</b>	765	1
	☉ <b>IN 30</b> 4 5 6 8 10		
	☉ <b>IN 30 L</b> 4 5 6 8 10		

**ITX 30 PM**

SCREWDRIVER BIT SOCKET SET 3/8" 7 pieces

- ✔ For recessed TORX® screws
- ✔ In blue sheet steel case
- ✔ Dimensions: 210 x 70 x 32 mm
- ✔ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

10

3/8"



Code	No.	Weight	Units
1509926	<b>ITX 30 PM</b>	585	1
	☉ <b>ITX 30</b> T20 T25 T27 T30 T40 T45 T50		

**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

10

3/8"



Code	No.	Weight	Units
1509950	<b>ITX 30 LKP</b>	1065	1
	☉ <b>ITX 30</b> T20 T25 T27 T30 T40 T45 T50		
	☉ <b>ITX 30 L</b> T20 T25 T27 T30 T40 T45 T50		

**D 30 TX20 U-20**

SOCKET SET 3/8" + 1/4" 52 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 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

10

3/8"

6.3

1/4"



6.3

1/4"



Code	No.	Weight	Units
2075695	<b>D 30 TX20 U-20</b>		1
	U-20 <b>3093 U-20</b> U-20 <b>2093 U-20</b>		
	☉ <b>D 30</b> 10 11 12 13 14 15 16 17 18 19 21 22		
	☉ <b>TX 30</b> E11 E12 E14    ☉ <b>ITX 30</b> T45 T50		
	☉ <b>D 20</b> 4 4,5 5 5,5 6 7 8 9 10 11 12 13		
	☉ <b>TX 20</b> E5 E6 E7 E8 E10		
	☉ <b>687 TX</b> T10 T15 T20 T25 T27 T30 T40		
	☉ <b>3090 KR-3</b> ☉ <b>3090-5</b> ☉ <b>2090 KR-2</b>		
	☉ <b>2090-6 620 673 6,3 10 676 699</b>		

Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)





### 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



Code	No.	Weight	Units
1509942	<b>ITX 30 TX-015</b> ● ITX 30 T20 T25 T27 T30 T40 T45 T50 ○ TX 30 E5 E6 E7 E8 E10 E11 E12 E14	803	1

### TX 30 E-08

#### SCREWDRIVER BIT SOCKET SET 3/8" 8 pieces

- For protruding TORX® screws
- In GEDORIT blue sheet steel case
- Dimensions: 210 x 70 x 32 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

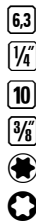


Code	No.	Weight	Units
1509934	<b>TX 30 E-08</b> ○ TX 30 E5 E6 E7 E8 E10 E11 E12 E14	450	1

### 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



Code	No.	Weight	Units
1509969	<b>30 TX 20</b> ● ITX 30 T25 T27 T30 T40 T45 T50 ● ITX 30 L T20 T25 T27 T30 T40 T45 T50 ○ TX 30 E8 E10 E11 E12 E14 ● ITX 20 T8 T9 T10 T15 T20 ○ TX 20 E4 E5 E6 E7 2030	1465	1

### VB 30

#### DISPLAY BOX 3/8" 228 pieces

- With 228 3/8" sockets
- Display box empty (VB 30 L) in GEDORIT silver sheet steel
- Dimensions: 430 x 300 x 220 mm



Code	No.	Weight	Units
6233500	<b>VB 30</b> S VB 30 + VB 30 L	10.4	1
1888072	<b>S VB 30</b> 12x ○ 30 10 13 10x ○ 30 6 7 8 9 8x ○ 30 11 12 14 15 17 19 5x ○ 30 16 18 20 21 22 10x ● IN 30 5 8x ● IN 30 4 6 5x ● IN 30 8 10 5x ⊖ IS 30 5,5 8 10 5x ⊕ IKS 30 1 2 3 5x ● INX 30 5 6 8 10x 3019	12.0	1
6233690	<b>VBD 30</b> S VBD 30 + VB 30 L	16.0	1
1888080	<b>S VBD 30</b> 12x ⊖ D 30 10 13 10x ⊖ D 30 6 7 8 9 8x ⊖ D 30 11 12 14 15 17 19 5x ⊖ D 30 16 18 20 21 22 10x ● IN 30 5 8x ● IN 30 4 6 5x ● IN 30 8 10 5x ⊖ IS 30 5,5 8 10 5x ⊕ IKS 30 1 2 3 5x ● INX 30 5 6 8 10x 3019	12.0	1
5231940	<b>VB 30 L</b>	6.4	1



## 12.5 (1/2") SQUARE DRIVE

12.5 1/2" 12.5 1/2"

### SOCKETS 12.5 (1/2")

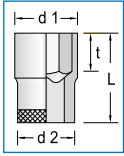
19

#### SOCKET 1/2" hexagon

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, polished, chrome-plated
- \* not standardised

12.5

1/2"



Code	No.	*	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	↕	📦
6130020	19 8		8	38.0	13.0	22.5	13.5	45	10
6130100	19 9	*	9	38.0	14.2	22.5	13.5	48	10
6130290	19 10		10	38.0	15.5	22.5	13.5	50	10
6130370	19 11		11	38.0	16.7	22.5	12.5	53	10
6130450	19 12		12	38.0	18.0	22.5	12.5	55	10
6130530	19 13		13	38.0	19.2	22.5	12.5	60	10
6130610	19 14		14	38.0	20.5	22.5	12.5	62	10
6130880	19 15		15	39.5	21.7	23.8	15.0	65	10
6130960	19 16		16	39.5	22.5	23.8	15.0	68	10
6131180	19 17		17	39.5	24.0	22.5	15.0	70	10
6131260	19 18		18	39.5	25.5	23.0	17.0	72	10
6131340	19 19		19	40.0	26.7	24.2	17.0	80	10
6131420	19 20		20	40.0	28.0	25.5	17.0	85	10
6131500	19 21		21	41.5	29.2	26.0	18.5	95	10
6131690	19 22		22	41.5	30.5	26.3	18.5	100	10
6131770	19 23	*	23	41.5	31.7	27.5	18.5	105	10
6131850	19 24		24	41.5	33.0	28.0	18.5	110	10
6131930	19 25	*	25	41.5	34.2	28.8	18.5	120	10
6132070	19 26	*	26	41.5	35.5	29.4	18.5	130	10
6132150	19 27		27	41.5	36.7	30.0	18.5	150	10
6132230	19 28	*	28	43.0	38.0	30.5	20.0	165	10
6132310	19 29	*	29	43.0	39.2	31.2	20.0	180	10
6132580	19 30		30	43.0	40.5	32.5	20.5	200	10
6132740	19 32		32	44.5	43.0	34.5	22.5	210	10
6138270	19 34		34	44.5	45.5	37.0	22.5	260	10
1718711	19 36	*	36	44.5	48.0	38.0	22.5	260	10

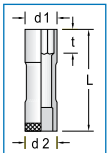
19 L

#### SOCKET 1/2" long, hexagon

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, polished, chrome-plated

12.5

1/2"



Code	No.	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	↕	📦
1718738	19 L 10	10	77.0	15.5	22.5	12.0	85	1
1718746	19 L 11	11	77.0	16.7	22.5	13.0	90	1
1718754	19 L 12	12	77.0	18.0	22.5	14.0	90	1
1718762	19 L 13	13	77.0	19.2	22.5	16.0	105	1
1718770	19 L 14	14	77.0	20.5	22.5	17.0	125	1
1718789	19 L 15	15	77.0	21.7	22.5	17.0	110	1
1718800	19 L 16	16	77.0	23.0	24.0	18.0	120	1
1718819	19 L 17	17	77.0	24.0	24.0	18.0	140	1
1718827	19 L 18	18	82.0	25.5	25.0	20.0	145	1
1718835	19 L 19	19	82.0	26.7	26.0	22.0	165	1

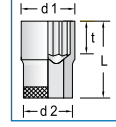
D 19

#### SOCKET 1/2" 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, polished, chrome-plated
- \* not standardised

12.5

1/2"



Code	No. G <sup>+</sup>	*	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	↕	📦
6133040	D 19 8		8	38.0	13.0	22.5	7.0	45	10
6133120	D 19 9	*	9	38.0	14.2	22.5	8.0	48	10
6133200	D 19 10		10	38.0	15.5	22.5	13.5	50	10
6133390	D 19 11		11	38.0	16.7	22.5	12.5	53	10
6133470	D 19 12		12	38.0	18.0	22.5	12.5	55	10
6133550	D 19 13		13	38.0	19.2	22.5	12.5	60	10
6133630	D 19 14		14	38.0	20.5	22.5	12.5	62	10
6133710	D 19 15		15	39.5	21.7	23.8	15.0	65	10
6133980	D 19 16		16	39.5	22.5	23.8	15.0	68	10
6134010	D 19 17		17	39.5	24.0	22.5	15.0	70	10
6134280	D 19 18		18	39.5	25.5	23.0	17.0	72	10
6134360	D 19 19		19	40.0	26.7	24.2	17.0	80	10
6134440	D 19 20		20	40.0	28.0	25.5	17.0	85	10
6134520	D 19 21		21	41.5	29.2	26.0	18.5	95	10
6134600	D 19 22		22	41.5	30.5	26.3	18.5	100	10
6134790	D 19 23	*	23	41.5	31.7	27.5	18.5	105	10
6134870	D 19 24		24	41.5	33.0	28.0	18.5	110	10
6134950	D 19 25	*	25	41.5	34.2	28.8	18.5	120	10
6135090	D 19 26	*	26	41.5	35.5	29.4	18.5	130	10
6135170	D 19 27		27	41.5	36.7	30.0	18.5	150	10
6135250	D 19 28	*	28	43.0	38.0	30.5	20.0	165	10
6135330	D 19 29	*	29	43.0	39.2	31.2	20.0	180	10
6135410	D 19 30		30	43.0	40.5	32.5	20.5	200	10
6135760	D 19 32		32	44.5	43.0	34.5	22.5	210	10
6135840	D 19 33	*	33	44.5	44.2	36.0	22.5	210	10

Code	No. G <sup>+</sup>	Ø AF	L	d <sub>1</sub>	d <sub>2</sub>	t	↕	📦
6136060	D 19 5/16AF	5/16	38.0	13.0	22.5	7.0	45	5
6136140	D 19 11/32AF	11/32	38.0	13.9	22.5	8.0	48	5
6136220	D 19 3/8AF	3/8	38.0	14.9	22.5	15.0	58	5
6136300	D 19 13/32AF	13/32	38.0	15.9	22.5	13.5	50	5
6136490	D 19 7/16AF	7/16	38.0	16.7	22.5	12.5	53	5
6136570	D 19 1/2AF	1/2	38.0	18.7	22.5	12.5	60	5
6136650	D 19 9/16AF	9/16	38.0	20.7	22.5	12.5	62	5
6136730	D 19 19/32AF	19/32	39.5	21.7	23.8	15.0	65	5
6136810	D 19 5/8AF	5/8	39.5	22.5	23.8	15.0	68	5
6137030	D 19 11/16AF	11/16	39.5	24.7	22.5	17.0	70	5
6137110	D 19 3/4AF	3/4	40.0	26.7	24.2	17.0	80	5
6137380	D 19 25/32AF	25/32	40.0	27.7	25.3	17.0	85	5
6137460	D 19 13/16AF	13/16	41.5	28.5	25.7	18.5	95	5
6137540	D 19 7/8AF	7/8	41.5	30.6	26.5	18.5	100	5
6137620	D 19 15/16AF	15/16	41.5	32.6	28.3	18.5	110	5
6137700	D 19 1AF	1	41.5	34.6	28.9	18.5	123	5
6137890	D 19 1.1/16AF	1.1/16	41.5	36.7	30.0	18.5	150	5
6137970	D 19 1.1/8AF	1.1/8	43.0	38.6	31.0	20.0	180	5
6138000	D 19 1.3/16AF	1.3/16	43.0	40.6	32.5	20.5	200	5
6138190	D 19 1.1/4AF	1.1/4	44.5	42.6	34.5	22.5	210	1

Code	No. O	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	↕	📦
6138780	D 19 3/16W	3/16	38.0	17.0	22.5	12.5	53	1
6138860	D 19 1/4W	1/4	38.0	19.5	22.5	12.5	60	1
6138940	D 19 5/16W	5/16	39.5	21.9	23.8	15.0	65	1
6139080	D 19 3/8W	3/8	39.5	25.5	23.0	17.0	72	1
6139160	D 19 7/16W	7/16	41.5	28.8	26.0	18.5	95	1
6139240	D 19 1/2W	1/2	41.5	32.1	27.8	18.5	105	1
6139320	D 19 9/16W	9/16	41.5	34.9	29.2	18.5	130	1
6139400	D 19 5/8W	5/8	43.0	37.8	30.5	20.0	165	1
6139590	D 19 11/16W	11/16	43.0	41.0	33.0	20.5	200	1
6138430	D 19 3/4W	3/4	44.5	44.2	36.0	22.5	75	1



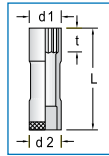
### D 19 L

#### SOCKET 1/2" long, 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, polished, chrome-plated
- Sizes 16, 18, 21 with Ø 8 mm hole drilled for tommy bar

12.5

1/2"



Code	No.	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	±	±
6141140	<b>D 19 L 10</b>	10	77.0	15.5	22.5	12.0	85	10
6141220	<b>D 19 L 12</b>	12	77.0	18.0	22.5	14.0	90	10
6140170	<b>D 19 L 13</b>	13	77.0	19.2	22.5	16.0	105	10
6140250	<b>D 19 L 14</b>	14	77.0	20.5	22.5	17.0	125	10
6142460	<b>D 19 L 15</b>	15	77.0	21.7	22.5	17.0	110	10
6142540	<b>D 19 L 16</b>	16	77.0	23.0	24.0	18.0	120	10
6140330	<b>D 19 L 17</b>	17	77.0	24.0	24.0	18.0	140	10
6142380	<b>D 19 L 18</b>	18	82.0	25.5	25.0	20.0	145	10
6140410	<b>D 19 L 19</b>	19	82.0	26.7	26.0	22.0	165	10
6140680	<b>D 19 L 21</b>	21	82.0	29.2	28.5	24.0	205	10
6145050	<b>D 19 L 22</b>	22	82.0	30.5	28.5	24.0	200	10
6140760	<b>D 19 L 24</b>	24	82.0	33.0	29.0	26.0	250	10
6141060	<b>D 19 L 27</b>	27	82.0	36.7	30.0	30.0	270	10
6145640	<b>D 19 L 30</b>	30	82.0	40.5	32.5	33.0	330	10
6191320	<b>D 19 L 32</b>	32	82.0	43.0	34.5	36.0	410	10
6147500	<b>D 19 L 34</b>	34	82.0	45.5	36.5	37.0	500	5

Code	No.	Ø <sup>AF</sup>	L	d <sub>1</sub>	d <sub>2</sub>	t	±	±
6141300	<b>D 19 L 1/2AF</b>	1/2	77.0	18.7	22.5	16.0	105	1
6141490	<b>D 19 L 9/16AF</b>	9/16	77.0	20.7	22.5	17.0	125	1
6141570	<b>D 19 L 5/8AF</b>	5/8	77.0	22.5	24.0	18.0	130	1
6141650	<b>D 19 L 11/16AF</b>	11/16	77.0	24.7	24.8	18.0	140	1
6141730	<b>D 19 L 3/4AF</b>	3/4	82.0	26.7	26.0	22.0	165	1
6141810	<b>D 19 L 13/16AF</b>	13/16	82.0	28.5	28.5	22.0	205	1
6142030	<b>D 19 L 7/8AF</b>	7/8	82.0	30.6	28.5	24.0	230	1
6142110	<b>D 19 L 15/16AF</b>	15/16	82.0	32.6	29.0	26.0	250	1

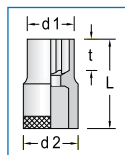
### TX 19

#### 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, polished, chrome-plated
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

12.5

1/2"



Code	No.	Ø	±	★ mm	L	d <sub>1</sub>	d <sub>2</sub>	t	±	±
6145720	<b>TX 19 E10</b>	E10	M8	9.42	38.0	13.5	22.5	15.5	50	10
6194180	<b>TX 19 E11</b>	E11	-	10.08	38.0	14.0	22.5	15.5	50	5
6147340	<b>TX 19 E12</b>	E12	M10	11.17	38.0	15.5	22.5	15.5	55	10
6147420	<b>TX 19 E14</b>	E14	M12	12.90	38.0	17.0	22.5	13.0	55	10
6194420	<b>TX 19 E16</b>	E16	M12	14.76	38.0	19.0	22.5	13.0	60	10
6194500	<b>TX 19 E18</b>	E18	M14	16.70	40.0	21.0	24.5	14.0	65	10
6194690	<b>TX 19 E20</b>	E20	M16	18.45	40.0	23.5	24.5	14.0	70	10
6195070	<b>TX 19 E24</b>	E24	M18 - M20	22.16	41.5	28.5	26.0	16.0	85	5

### 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, chrome-plated
- With pressed-in pin, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

12.5

1/2"



Code	No.	±	±	★ mm	L <sub>1</sub>	L <sub>2</sub>	d	±	±
6152930	<b>ITX 19 T20</b>	T20	M4 - M5	3.86	55	17	22.5	60	10
6154200	<b>ITX 19 T25</b>	T25	M4,5 - M5	4.43	55	17	22.5	65	10
6154630	<b>ITX 19 T27</b>	T27	M4,5 - M6	4.99	55	17	22.5	65	10
6156170	<b>ITX 19 T30</b>	T30	M6 - M7	5.52	55	17	22.5	65	10
6156330	<b>ITX 19 T40</b>	T40	M7 - M8	6.65	55	17	22.5	65	10
6157060	<b>ITX 19 T45</b>	T45	M8 - M10	7.82	55	17	22.5	70	10
6158030	<b>ITX 19 T50</b>	T50	M10	8.83	55	17	22.5	90	10
6158380	<b>ITX 19 T55</b>	T55	M12	11.22	55	17	23.0	110	10
6158540	<b>ITX 19 T60</b>	T60	M14	13.25	55	15	24.7	110	10



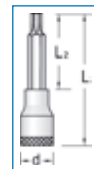
### ITX 19 L

#### SCREWDRIVER BIT SOCKET 1/2" long, for recessed TORX® head screws

- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, chrome-plated
- With pressed-in pin, gun-metal finish
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

12.5

1/2"



Code	No.	±	±	★ mm	L <sub>1</sub>	L <sub>2</sub>	d	±	±
6188020	<b>ITX 19 L T20-100</b>	T20	M4 - M5	3.86	100	62	22.5	80	5
6188100	<b>ITX 19 L T25-100</b>	T25	M4,5 - M5	4.43	100	62	22.5	85	5
6188370	<b>ITX 19 L T27-100</b>	T27	M4,5 - M6	4.99	100	62	22.5	85	5
6152500	<b>ITX 19 L T30-100</b>	T30	M6 - M7	5.52	100	62	22.5	85	10
6152690	<b>ITX 19 L T40-100</b>	T40	M7 - M8	6.65	100	62	22.5	85	10
6155870	<b>ITX 19 L T45-100</b>	T45	M8 - M10	7.82	100	62	22.5	90	10
6158700	<b>ITX 19 L T50-100</b>	T50	M10	8.83	100	62	22.5	105	10
6159940	<b>ITX 19 L T55-100</b>	T55	M12	11.22	100	62	23.0	155	10
6188450	<b>ITX 19 L T60-100</b>	T60	M14	13.25	100	60	24.7	155	5
6105180	<b>ITX 19 L T70-100</b>	T70	M16	15.55	100	60	28.0	170	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, chrome-plated
- ▶ With pressed-in pin, gun-metal finish
- ▶ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

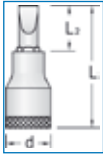


Code	No.	⊕	mm	mm	L <sub>1</sub>	L <sub>2</sub>	d	Bore	↕	⊞
6192720	<b>ITX 19 B T20</b>	T20	M4 - M5	3.86	55	17	22.5	1,55 x 1,86	60	5
6195660	<b>ITX 19 B T25</b>	T25	M4,5 - M5	4.43	55	17	22.5	1,93 x 2,04	65	5
6196390	<b>ITX 19 B T27</b>	T27	M4,5 - M6	4.99	55	17	22.5	2,18 x 2,29	65	5
6200170	<b>ITX 19 B T30</b>	T30	M6 - M7	5.52	55	17	22.5	2,56 x 2,92	65	5
6200410	<b>ITX 19 B T40</b>	T40	M7 - M8	6.65	55	17	22.5	2,92 x 3,28	65	5
6200840	<b>ITX 19 B T45</b>	T45	M8 - M10	7.82	55	17	22.5	3,45 x 3,68	70	5
6201300	<b>ITX 19 B T50</b>	T50	M10	8.83	55	17	23.0	3,83 x 3,78	90	5
6202700	<b>ITX 19 B T55</b>	T55	M12	11.22	55	15	24.7	4,85 x 4,79	110	5
6203270	<b>ITX 19 B T60</b>	T60	M14	13.25	56	16	28.0	5,63 x 7,87	110	5

**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, chrome-plated
- ▶ With pressed-in pin, blade as per DIN ISO 2380-1, Form B, manganese-phosphated

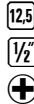


Code	No.	mm	mm	L <sub>1</sub>	L <sub>2</sub>	d	↕	⊞
6161760	<b>IS 19 6,5x1,2</b>	1.2	6.5	60	22	22.5	70	1
6656060	<b>IS 19 8x1,2</b>	1.2	8.0	60	22	22.5	80	5
6656140	<b>IS 19 10x1,6</b>	1.6	10.0	60	22	22.5	115	5
6656220	<b>IS 19 12x2</b>	2.0	12.0	60	22	23.0	120	5
6162140	<b>IS 19 14x2,5</b>	2.5	14.0	60	20	24.7	130	5
6656490	<b>IS 19 16x2,5</b>	2.5	16.0	60	20	28.0	190	5
6656570	<b>IS 19 18x2,5</b>	2.5	18.0	60	20	27.0	190	10

**IKS 19**

**SCREWDRIVER BIT SOCKET 1/2" for cross-slotted head screws PH**

- ▶ Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- ▶ Hand-operated, chrome-plated
- ▶ With pressed-in pin, tip as per DIN ISO 8764-1 PH, gun-metal finish



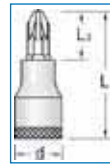
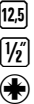
Code	No.	⊕ PH	L <sub>1</sub>	L <sub>2</sub>	d	↕	⊞
6656650	<b>IKS 19 2</b>	2	60	22	22.5	75	10
6656730	<b>IKS 19 3</b>	3	60	22	22.5	80	10
6656810	<b>IKS 19 4</b>	4	60	22	23.0	100	10



**IKS 19 PZD**

**SCREWDRIVER BIT SOCKET 1/2" for cross-slotted head screws PZ**

- ▶ Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- ▶ Hand-operated, chrome-plated
- ▶ With pressed-in pin, tip as per DIN ISO 8764-1 PZ, gun-metal finish

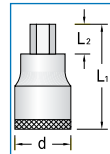
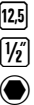


Code	No.	⊕ PZ	L <sub>1</sub>	L <sub>2</sub>	d	↕	⊞
6156680	<b>IKS 19 PZD 2</b>	2	60	22	22.5	80	10
6156760	<b>IKS 19 PZD 3</b>	3	60	22	22.5	80	10
6156840	<b>IKS 19 PZD 4</b>	4	60	22	23.0	80	5

**IN 19**

**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, chrome-plated
- ▶ With pressed-in pin, bit manganese-phosphated
- ▶ **IN 19 17** for oil filter and drain plug screws
- ▶ \* not standardised



Code	No.	*	mm	L <sub>1</sub>	L <sub>2</sub>	d	↕	⊞
6153070	<b>IN 19 4</b>	*	4	60	22	22.5	45	10
6153150	<b>IN 19 5</b>	*	5	60	22	22.5	50	10
6153230	<b>IN 19 6</b>		6	60	22	22.5	55	10
6153310	<b>IN 19 7</b>		7	60	22	22.5	58	10
6153580	<b>IN 19 8</b>		8	60	22	22.5	60	10
6153660	<b>IN 19 9</b>	*	9	60	22	22.5	63	10
6153740	<b>IN 19 10</b>		10	60	22	22.5	65	10
6153820	<b>IN 19 12</b>		12	60	22	23.0	75	10
6153900	<b>IN 19 14</b>		14	60	20	24.7	85	10
6154040	<b>IN 19 17</b>	*	17	60	20	28.0	115	10
6154120	<b>IN 19 19</b>	*	19	60	20	27.0	120	10

Code	No.	⊕ AF	L <sub>1</sub>	L <sub>2</sub>	d	↕	⊞
6154710	<b>IN 19 3/16AF</b>	3/16	60	22	22.5	50	10
6154980	<b>IN 19 7/32AF</b>	7/32	60	22	22.5	53	10
6155010	<b>IN 19 1/4AF</b>	1/4	60	22	22.5	55	10
6155280	<b>IN 19 9/32AF</b>	9/32	60	22	22.5	58	5
6155360	<b>IN 19 5/16AF</b>	5/16	60	22	22.5	60	10
6155440	<b>IN 19 3/8AF</b>	3/8	60	22	22.5	65	10
6155520	<b>IN 19 1/2AF</b>	1/2	60	22	23.0	80	10
6155600	<b>IN 19 9/16AF</b>	9/16	60	20	24.7	85	10
6155790	<b>IN 19 5/8AF</b>	5/8	60	20	28.0	115	10



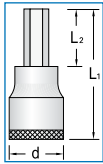
### IN 19 L

#### SCREWDRIVER BIT SOCKET 1/2" long, 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, chrome-plated
- With pressed-in pin, bit manganese-phosphated
- \* t = stepped hexagon bit 13 mm
- \*\* not standardised

12.5

1/2"



Code	No.	*	mm	L <sub>1</sub>	L <sub>2</sub>	d	* t	↺	↻
6162060	<b>IN 19 L 5-90</b>	*	5	90	52	22.5	13	75	10
6157140	<b>IN 19 L 5-180</b>	*	5	180	142	22.5	13	150	10
6157300	<b>IN 19 L 6-90</b>		6	90	52	22.5		70	10
6145800	<b>IN 19 L 6-140</b>		6	140	102	22.5	13	90	10
6145990	<b>IN 19 L 6-160</b>		6	160	122	22.5	13	120	10
6157570	<b>IN 19 L 7-100</b>		7	100	62	22.5		100	10
6157730	<b>IN 19 L 8-90</b>		8	90	52	22.5		75	10
6157810	<b>IN 19 L 8-120</b>		8	120	82	22.5		20	10
6158110	<b>IN 19 L 10-140</b>		10	140	102	22.5		130	10
6158460	<b>IN 19 L 12-140</b>		12	140	102	23.0		155	10
6158620	<b>IN 19 L 14-140</b>		14	140	100	24.7		190	10

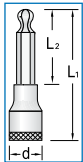
### IN 19 LK

#### SCREWDRIVER BIT SOCKET 1/2" long, with ball end for in-hex screws

- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, chrome-plated
- With pressed-in pin, bit gun-metal finished
- Total swivel angle approx. 15°-20°

12.5

1/2"



Code	No.	mm	L <sub>1</sub>	L <sub>2</sub>	d	↺	↻
6162810	<b>IN 19 LK 6-140</b>	6	140	102	22.5	80	10
6165080	<b>IN 19 LK 7-140</b>	7	140	102	22.5	90	5
6165160	<b>IN 19 LK 8-140</b>	8	140	102	22.5	100	10
6166800	<b>IN 19 LK 10-140</b>	10	140	102	22.5	150	10
6172370	<b>IN 19 LK 12-140</b>	12	140	102	23.0	190	5

### INX 19

#### SCREWDRIVER BIT SOCKET 1/2" for multi-point screws

- Acc. to DIN 2324
- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, chrome-plated
- With pressed-in pin, tip as per DIN 2325, manganese-phosphated
- \* not standardised

12.5

1/2"



Code	No.	*	mm	L <sub>1</sub>	L <sub>2</sub>	d	↺	↻
6158890	<b>INX 19 5</b>	*	M5	55	17	22.5	60	10
6159000	<b>INX 19 6</b>	*	M6	55	17	22.5	65	10
6159270	<b>INX 19 8</b>		M8	55	17	22.5	70	10
6159430	<b>INX 19 10</b>		M10	55	17	22.5	75	10
6159780	<b>INX 19 12</b>		M12	55	17	23.0	80	10
1888943	<b>INX 19 14</b>		M14	57	17	24.7	85	10

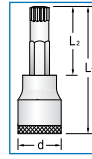
### INX 19 L

#### SCREWDRIVER BIT SOCKET 1/2" long, for multi-point screws

- Acc. to DIN 2324
- Square drive as per DIN 3120 - C 12.5, ISO 1174, with ball retaining groove
- Hand-operated, chrome-plated
- With pressed-in pin, tip as per DIN 2325, manganese-phosphated
- \* not standardised

12.5

1/2"



Code	No.	*	mm	L <sub>1</sub>	L <sub>2</sub>	d	↺	↻
6159190	<b>INX 19 L 6-100</b>	*	M6	100	62	22.5	80	10
6159350	<b>INX 19 L 8-100</b>		M8	100	62	22.5	100	10
6159510	<b>INX 19 L 10-100</b>		M10	100	62	22.5	105	10
6159860	<b>INX 19 L 12-100</b>		M12	100	62	23.0	105	10
1888951	<b>INX 19 L 14-100</b>		M14	100	60	24.7	110	10

## RATCHETS 12.5 (1/2")

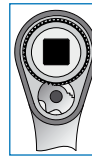
### 1993 U-20

#### REVERSIBLE RATCHET 1/2"

- Acc. to DIN 3122, ISO 3315
- Fine-toothed, with lever change and push-button release
- 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

12.5

1/2"



Code	No.	mm	mm	mm	mm	mm
1436686	<b>1993 U-20</b>	1/2	12.5	6	270	37.5



### 1993 U-10 L

#### REVERSIBLE RATCHET 1/2" long pattern

- Acc. to DIN 3122, ISO 3315
- With lever change
- Push-button release
- 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 12.5, ISO 1174, ball locking device

12.5

1/2"



Code	No.	mm	mm	mm	mm	mm
6154550	<b>1993 U-10 L</b>	1/2	12.5	11,25	350	41



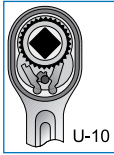
**1993 U-10 T**

**REVERSIBLE RATCHET 1/2"**

- Acc. to DIN 3122, ISO 3315
- With recessed lever change
- Push-button release
- 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 12.5, ISO 1174, ball locking device

12,5

1/2"



Code	No.	□"	■	∠°	↳mm↵	↳	↳↵	↳
6142620	<b>1993 U-10 T</b>	1/2	12.5	11,25	270	39	700	5

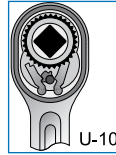
**1993 GU-10 XL**

**SWIVEL HEAD REVERSIBLE RATCHET 1/2" extra long**

- Swivels through 180°, with joint lock
- With lever change
- Push-button release
- Max. torque 600 N-m
- 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 12.5, ISO 1174, ball locking device

12,5

1/2"



Code	No.	□"	■	∠°	↳mm↵	↳	↳↵	↳
2018934	<b>1993 GU-10 XL</b>	1/2	12.5	11,25	600		1	5

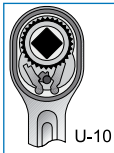
**1993 ALU-10**

**ALUMINIUM REVERSIBLE RATCHET 1/2"**

- 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 lever change
- Push-button release
- 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 12.5, ISO 1174, ball locking device
- Extremely lightweight - just 350 g

12,5

1/2"



Code	No.	□"	■	∠°	↳mm↵	↳	↳↵	↳
6142700	<b>1993 ALU-10</b>	1/2	12.5	11,25	270	39	350	5

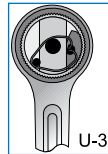
**1993 GU-3**

**SWIVEL HEAD REVERSIBLE RATCHET 1/2"**

- Swivels through 180°, with joint lock
- Fine-toothed
- 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

12,5

1/2"



Code	No.	□"	■	∠°	↳mm↵	↳	↳↵	↳
6144320	<b>1993 GU-3</b>	1/2	12.5	5	282	40.5	380	5

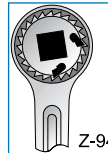
**1993 Z-94**

**RATCHET HANDLE WITH COUPLER 1/2"**

- Acc. to DIN 3122, ISO 3315
- With square coupler, medium-fine toothed, extremely rugged
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 12.5, ISO 1174, ball locking device

12,5

1/2"



Code	No.	□"	■	∠°	↳mm↵	↳	↳↵	↳
6144590	<b>1993 Z-94</b>	1/2	12.5	15	270	21.9	440	5

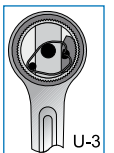
**1993 U-3**

**REVERSIBLE RATCHET 1/2"**

- Acc. to DIN 3122, ISO 3315
- With non-slip metal disc change, fine-toothed and robust
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 12.5, ISO 1174, ball locking device

12,5

1/2"



Code	No.	□"	■	∠°	↳mm↵	↳	↳↵	↳
6144240	<b>1993 U-3</b>	1/2	12.5	5	270	40.5	400	5



Deviant packing units see article description.



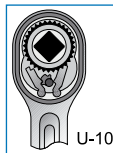


**1993 U-10 K**

**PLASTIC RATCHET 1/2"**

- For fast and easy tightening of bolted connections up to max. 70 N-m
- Return angle 11.25°
- Made from sturdy compound material with a steel mechanism
- Dimensions 44 x 145 x 42.2 mm
- Available in five colours

12,5  
1/2"



Code	No.	Colour	□"	□	■"	■	↺°	↻	📦
6242760	<b>1993 U-10 K SCHWARZ</b>	signal-black	1/2	12.5	11,25	247	5		
6244620	<b>1993 U-10 K GRÜN</b>	moss-green	1/2	12.5	11,25	247	1		
6244700	<b>1993 U-10 K GRAU</b>	anthracite-grey	1/2	12.5	11,25	247	1		
6244890	<b>1993 U-10 K BLAU</b>	sky-blue	1/2	12.5	11,25	247	1		
1505025	<b>1993 U-10 K SIGNALGRAU</b>	signal-grey	1/2	12.5	11,25	247	5		

**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, ball locking device
- Load capacity max. 202 N-m



12,5  
1/2"  
10  
3/8"

Code	No.	□"	□	■"	■	↳mm↳	↻	📦
6143000	<b>1930</b>	1/2	12.5	3/8	10	38.5	60	10

**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, ball locking device



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

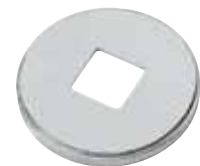
Code	No.	□"	□	■"	■	↳mm↳	↻	📦
6143190	<b>1932</b>	1/2	12.5	3/4	20	44	130	10

**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

12,5  
1/2"



Code	No.	□"	□	↳mm↳	↻	📦
1640887	<b>1940</b>	1/2	12.5	15	1	

**VS 1930**

**DISPLAY STAND 1/2" for plastic ratchets**

- Display stand for 20 plastic ratchets in four different colours
- In sturdy wire and sheet metal design

**Contents:**

- 16 pieces 1993 U-10 K (4 each sky-blue RAL 5015, black RAL 9004, signal-grey RAL 7004, moss-green RAL 6005)
- 4 pieces 3093 U-10 K (1 each sky-blue RAL 5015, black RAL 9004, signal-grey RAL 7004, moss-green RAL 6005)

10  
3/8"  
12,5  
1/2"



Code	No.	Description	↳mm↳	📦
1461621	<b>VS 1930 U-10 K</b>	Display stand with assortment	6.0	1
1464175	<b>VS 1930 U-10 K L</b>	Display stand empty	1.1	1

Deviant packing units see article description.

**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, ball locking device

12,5  
1/2"



Code	No.	□"	□	↳mm↳	↻	📦
6143270	<b>1981 K</b>	1/2	12.5	220	260	1

**1985**

**SPEED BRACE 1/2"**

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device

12,5  
1/2"



Code	No.	□"	□	↳mm↳	↻	📦
6143350	<b>1985</b>	1/2	12.5	395	650	1



**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, ball locking device

12,5

1/2"



Code	No.	■"	■	↳mm↳	↕	📦
6143430	<b>1987</b>	1/2	12,5	292	350	10

**1987 A**

**SLIDING T BAR WITH RELEASE 1/2"**

- Secured against unintentional removal
- 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

12,5

1/2"



Code	No.	■"	■	↳mm↳	↕	📦
1871641	<b>1987 A</b>	1/2	12,5	292	375	1

**1990 A**

**EXTENSION 1/2" with release**

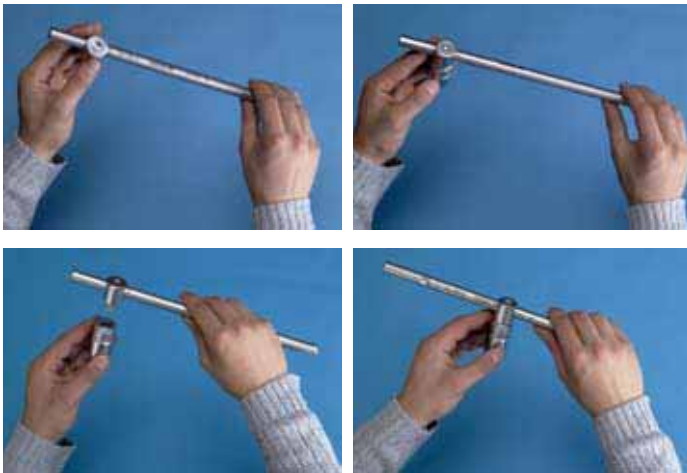
- Easy access to deep-fitting screws
- Locking ring prevents unintentional release of the socket
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device

12,5

1/2"



Code	No.	■"	■	↳mm↳	↕	📦
1640828	<b>1990 A-5</b>	1/2	12,5	125	315	1
1640801	<b>1990 A-10</b>	1/2	12,5	250	190	1



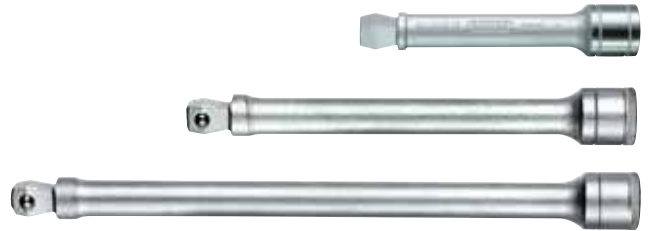
**1990 KR**

**UNIVERSAL EXTENSION 1/2"**

- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device
- The extension is able to pivot up to 15°
- Load capacity max. 230 N-m

12,5

1/2"



Code	No.	■"	■	↳mm↳	↕	📦
6173180	<b>1990 KR-5</b>	1/2	12,5	125	180	1
6225590	<b>1990 KR-7</b>	1/2	12,5	180	245	1
6366570	<b>1990 KR-10</b>	1/2	12,5	250	250	1

**1990**

**EXTENSION 1/2"**

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device

12,5

1/2"



Code	No.	*	■"	■	↳mm↳	↕	📦
6143510	<b>1990-2.1/2</b>	*	1/2	12,5	63	110	10
6143780	<b>1990-3</b>		1/2	12,5	76	120	10
6143860	<b>1990-5</b>		1/2	12,5	125	165	10
6142890	<b>1990-7</b>	*	1/2	12,5	180	250	10
6143940	<b>1990-10</b>		1/2	12,5	250	290	10
6129950	<b>1990-12</b>	*	1/2	12,5	305	400	1

**1994**

**COUPLER 1/2"**

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device

12,5

1/2"



Code	No.	■"	■	↳mm↳	↕	📦
6144670	<b>1994</b>	1/2	12,5	37,8	40	10

**1995**

**UNIVERSAL JOINT 1/2"**

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device

12,5

1/2"



Code	No.	■"	■	□"	□	↳mm↳	↕	📦
6144750	<b>1995</b>	1/2	12,5	1/2	12,5	73,5	150	10



**1996-1997**

**SWIVEL HANDLE 1/2"**

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device

12,5  
1/2"

Code	No.	□"	■	↳mm↳	↕	📦
6144830	<b>1996</b>	1/2	12.5	255	440	1
6144910	<b>1997</b>	1/2	12.5	381	750	10

**Adaptor set 1/4" up to 3/4"**  
S 2032-05 is listed on page 101

1/2"

**1998**

**SWIVEL HANDLE WITH SLIDING T 1/2"**

- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device

12,5  
1/2"

Code	No.	□"	■	↳mm↳	↕	📦
6199730	<b>1998</b>	1/2	12.5	460	1000	1

**SETS 12.5 (1/2")**

12,5 1/2"

**19 K / D 19 K**

**SOCKET SET 1/2" 11 pieces**

- In GEDORIT blue sheet steel case
- Dimensions: 281 x 79 x 48 mm

12,5  
1/2"

🔩  
🔩

Code	No.	↕	📦
1953850	<b>19 KMU-3</b> ● U-3 <b>1993 U-3</b> ○ <b>19 10 11 13 14 15 17 19 22 24</b> ↳ <b>1990-5</b>	1.9	1
1953958	<b>D 19 KMU-3</b> ● U-3 <b>1993 U-3</b> ⊗ <b>D 19 10 11 13 14 15 17 19 22 24</b> ↳ <b>1990-5</b>	1.9	1

**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

12,5  
1/2"

12,5  
1/2"

Code	No.	Execution	↳mm↳	mm	↕	📦
1828665	<b>SL 1912</b>	for 12 pieces 1/2" sockets	480	33	470	1
1761102	<b>SL 1916</b>	for 16 pieces 1/2" sockets	580	33	550	1

**19 H / D 19 H**

**SOCKET SET 1/2" 13 pieces**

- In GEDORIT blue sheet steel case
- Dimensions: 281 x 79 x 48 mm

12,5  
1/2"

🔩  
🔩

Code	No.	↕	📦
1953842	<b>19 HMU-3</b> ● U-3 <b>1993 U-3</b> ○ <b>19 8 9 10 11 12 13 14 15 17 19 22</b> ↳ <b>1990-5</b>	1.9	1
1953931	<b>D 19 HMU-3</b> ● U-3 <b>1993 U-3</b> ⊗ <b>D 19 8 9 10 11 12 13 14 15 17 19 22</b> ↳ <b>1990-5</b>	1.9	1

**VH 19**

**SPRING STEEL SOCKET RAIL 1/2"**

- For 1/2" sockets
- Delivery without tools

12,5  
1/2"

Code	No.	↕	📦
5162520	<b>VH 19</b>	100	1

Deviant packing units see article description.



**19 G**

**SOCKET SET 1/2" 16 pieces**  
 In GEDORIT blue sheet steel case  
 Dimensions: 320 x 210 x 55 mm

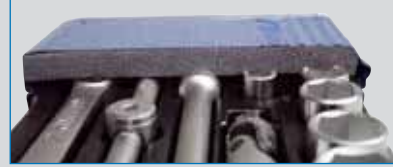
12,5  
 1/2"



1/2"

Code	No.	🚚	📦
6122190	<b>19 GMU-10</b> U-10T 1993 U-10T 19 10 11 12 13 14 16 17 18 19 21 22 24 1990-5 -10 1987	3,4	1

**THE NEW GENERATION OF GEDORE SOCKET SETS**



- Innovative, functional design
- Inside-folded, seamless edge provides added strength. The tool and foam inserts are secured to prevent them 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

**19 PQ / D 19 PQ**

**SOCKET SET 1/2" 16 pieces**  
 In GEDORIT blue sheet steel case  
 Dimensions: 320 x 210 x 55 mm

12,5  
 1/2"  
 50 MH  
 UNIT DRIVE



Code	No.	🚚	📦
6182920	<b>19 PQMU-10</b> U-10T 1993 U-10T 19 8 10 11 12 13 14 15 17 19 22 24 50 MH (20,8) 1990-7 1987 1995	3,2	1
6185270	<b>D 19 PQMU-10</b> U-10T 1993 U-10T D 19 8 10 11 12 13 14 15 17 19 22 24 50 MH (20,8) 1990-7 1987 1995	3,2	1

**19 Q / D 19 Q**

**SOCKET SET 1/2" 17 pieces**  
 In GEDORIT blue sheet steel case  
 Dimensions: 320 x 210 x 55 mm

12,5  
 1/2"  
 50 MH  
 UNIT DRIVE



Code	No.	🚚	📦
1953869	<b>19 QMU-3</b> U-3 1993 U-3 19 10 11 12 13 14 15 17 19 22 24 27 30 32 1987 1990-10 1995	4,0	1
6151450	<b>19 QMU-10</b> U-10T 1993 U-10T 19 10 11 12 13 14 15 17 19 22 24 27 30 32 1987 1990-10 1995	4,2	1
1953966	<b>D 19 QMU-3</b> U-3 1993 U-3 D 19 10 11 12 13 14 15 17 19 22 24 27 30 32 1987 1990-10 1995	3,9	1
6151530	<b>D 19 QMU-10</b> U-10T 1993 U-10T D 19 10 11 12 13 14 15 17 19 22 24 27 30 32 1987 1990-10 1995	4,2	1



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**19 F / D 19 F**

**SOCKET SET 1/2" 19 pieces**  
 In GEDORIT blue sheet steel case  
 Dimensions: 320 x 210 x 55 mm



Code	No.	12.5	1/2
1953834	<b>19 FMU-3</b> U-3 1993 U-3 O 19 10 11 12 13 14 15 16 17 19 22 24 27 30 32 1987 1990-5 -10 1995	4.6	1
6150990	<b>19 FMU-10</b> U-10T 1993 U-10T O 19 10 11 12 13 14 15 16 17 19 22 24 27 30 32 1987 1990-5 -10 1995	4.6	1
1953877	<b>D 19 FMU-3</b> U-3 1993 U-3 D 19 10 11 12 13 14 15 16 17 19 22 24 27 30 32 1987 1990-5 -10 1995	4.5	1
6151290	<b>D 19 FMU-10</b> U-10T 1993 U-10T D 19 10 11 12 13 14 15 16 17 19 22 24 27 30 32 1987 1990-5 -10 1995	4.6	1

**19 E / D 19 E**

**SOCKET SET 1/2" 21 pieces**  
 In GEDORIT blue sheet steel case  
 Dimensions: 433 x 180 x 48 mm



Code	No.	12.5	1/2
6630850	<b>19 EMU-10</b> U-10T 1993 U-10T O 19 8 9 10 11 12 13 14 15 16 17 19 22 24 27 30 32 1987 1990-5 -10 1995	4.6	1
1413643	<b>D 19 EMU-10</b> U-10T 1993 U-10T D 19 8 9 10 11 12 13 14 15 16 17 19 22 24 27 30 32 1987 1990-5 -10 1995	4.6	1

**19 W / D 19 W**

**SOCKET SET 1/2" 24 pieces**  
 In GEDORIT blue sheet steel case  
 Dimensions: 433 x 180 x 48 mm



Code	No.	12.5	1/2
6154390	<b>19 WMU-10</b> U-10T 1993 U-10T O 19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32 1987 1990-5 -10 1995	5.2	1
1953990	<b>19 WMU-3</b> U-3 1993 U-3 O 19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32 1987 1990-5 -10 1995	5.2	1
6154470	<b>D 19 WMU-10</b> U-10T 1993 U-10T D 19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32 1987 1990-5 -10 1995	5.2	1
1954032	<b>D 19 WMU-3</b> U-3 1993 U-3 D 19 10 11 12 13 14 15 16 17 18 19 21 22 23 24 26 27 28 30 32 1987 1990-5 -10 1995	5.1	1
1954024	<b>D 19 WAU-3</b> U-3 1993 U-3 D 19 5/16 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" 1987 1990-5 -10 1995	5.0	1





**19T / D 19T**

**SOCKET SET 1/2" 25 pieces**  
 In GEDORIT blue sheet steel case  
 Dimensions: 525 x 203 x 50 mm

12,5

1/2"



Code	No.	12,5	1/2"
6148230	<b>19 TMZ</b> Z-94 1993 Z-94 O 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	5.5	1
1953982	<b>19 TMU-3</b> U-3 1993 U-3 O 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	6.7	1
6151880	<b>19 TMU-10</b> U-10T 1993 U-10T O 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	5.6	1
6148310	<b>D 19 TMZ</b> Z-94 1993 Z-94 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	5.5	1
1954016	<b>D 19 TMU-3</b> U-3 1993 U-3 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	6.5	1
6151960	<b>D 19 TMU-10</b> U-10T 1993 U-10T 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	5.6	1
6148900	<b>D 19 TAZ</b> Z-94 1993 Z-94 D 19 5/16 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" 1985 1987 1990-5 -10 1995	5.4	1
6149040	<b>D 19 TAU-10</b> U-10T 1993 U-10T D 19 5/16 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" 1985 1987 1990-5 -10 1995	5.6	1

**191 / D 191**

**SOCKET SET 1/2" 27 pieces**  
 In GEDORIT blue sheet steel case  
 Dimensions: 433 x 180 x 48 mm

12,5

1/2"



Code	No.	12,5	1/2"
1953974	<b>19 IMU-3</b> U-3 1993 U-3 O 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	4.7	1
6139750	<b>19 IMU-10</b> U-10T 1993 U-10T O 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	4.4	1
1954008	<b>D 19 IMU-3</b> U-3 1993 U-3 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	4.6	1
6140090	<b>D 19 IMU-10</b> U-10T 1993 U-10T 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	4.4	1

**19 C / D 19 C**

**SOCKET SET 1/2" 29 pieces**  
 In GEDORIT blue sheet steel case  
 Dimensions: 525 x 203 x 50 mm

12,5

1/2"



Code	No.	12,5	1/2"
6172530	<b>19 CMU-10</b> U-10T 1993 U-10T O 19 10 11 12 13 14 15 16 17 18 19 21 22 2 10x11 12x13 14x15 16x17 18x21 19x22 6 10x11 12x13 14x15 16x17 18x21 19x22 1987 1990-5 -10 1995	6.6	1
6172610	<b>D 19 CMU-10</b> U-10T 1993 U-10T D 19 10 11 12 13 14 15 16 17 18 19 21 22 2 10x11 12x13 14x15 16x17 18x21 19x22 6 10x11 12x13 14x15 16x17 18x21 19x22 1987 1990-5 -10 1995	6.6	1

**19 LM**

**SOCKET SET 1/2" 30 pieces**  
 In GEDORIT blue sheet steel case  
 Dimensions: 433 x 180 x 48 mm

12,5

1/2"



Code	No.	12,5	1/2"
1806033	<b>19 LMU-10</b> U-10T 1993 U-10T O 19 10 11 12 13 14 15 16 17 18 19 21 22 24 27 30 32 O 19 L 10 12 13 14 15 17 19 50 MH (20,8) 54 (16) 1987 1990-5 -10 1995	6.2	1



1/2"



**D 19 X**

**SOCKET SET 1/2" 31 pieces**  
 In GEDORIT blue sheet steel case  
 Dimensions: 433 x 180 x 48 mm

12.5

1/2"



Code	No.		
6149390	<b>D 19 XMAZ</b> Z-94 1993 Z-94 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	5.8	1
6149470	<b>D 19 XMAU-10</b> U-10T 1993 U-10 T 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	5.8	1

**D 19 Y**

**SOCKET SET 1/2" 41 pieces**  
 In GEDORIT blue sheet steel case  
 Dimensions: 525 x 203 x 50 mm

12.5

1/2"



Code	No.		
6149710	<b>D 19 YMAWZ</b> Z-94 1993 Z-94 D 19 10 11 12 13 14 15 16 17 18 19 20 21 22 D 19 L 21 D 19 7/16 1/2 9/16 19/32 5/8 11/16 3/4 25/32 7/8 15/16 1" D 19 3/16 1/4 5/16 3/8 7/16 1/2 9/16 5/8 11/16 3/4 W 1985 1990-5 -10 1987 1995	7.2	1
6149980	<b>D 19 YMAWU-10</b> U-10T 1993 U-10 T D 19 10 11 12 13 14 15 16 17 18 19 20 21 22 D 19 L 21 D 19 7/16 1/2 9/16 19/32 5/8 11/16 3/4 25/32 7/8 15/16 1" D 19 3/16 1/4 5/16 3/8 7/16 1/2 9/16 5/8 11/16 3/4 W 1985 1990-5 -10 1987 1995	7.3	1

**19 V20U-10**

**SOCKET SET 1/4" + 1/2" 50 pieces**  
 In GEDORIT blue sheet steel case  
 Dimensions: 525 x 203 x 50 mm

12.5

1/2"

6.3

1/4"



1/2"



Code	No.		
6157490	<b>19 V20U-10</b> U-10T 1993 U-10 T U-3 2093 U-3 O 19 10 11 12 13 14 15 17 19 22 24 27 30 IN 19 7 8 10 12 14 IS 19 8 10 IKS 19 3 O 20 4 4,5 5 5,5 6 7 8 9 10 11 13 IN 20 3 4 5 6 IS 20 4 5,5 6,5 IKS 20 1 2 1990-5 -10 1995 2098 2090-2 -4 2087 2095	5.0	1

**IN 19 P**

**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 Acument GmbH & Co. OHG, 56567 Neuwied

12.5

1/2"



Code	No.		
6156250	<b>IN 19 PM</b> IN 19 5 6 7 8 9 10 12 14 17	820	1
6156410	<b>IN 19 PA</b> IN 19 3/16 7/32 1/4 9/32 5/16 3/8 1/2 9/16 5/8"	815	1

**IN 19 Q**

**SCREWDRIVER BIT SOCKET SET 1/2" 11 pieces**

For in-hex screws (INBUS\*)  
 In GEDORIT blue sheet steel case  
 Dimensions: 318 x 118 x 50 mm  
 INBUS\* = reg. trademark of Acument GmbH & Co. OHG, 56567 Neuwied

12.5

1/2"



Code	No.		
6156920	<b>IN 19 Q</b> U-10T 1993 U-10 T IN 19 5 6 7 8 9 10 12 14 17 1990-7	2.5	1



**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 Acument GmbH & Co. OHG, 56567 Neuwied



12,5

1/2"



1/2"

Code	No.	12,5	1/2"
6129360	<b>IN 19 LKM</b> ● 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	1.9	1

**INX 19 P**

**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



12,5

1/2"



Code	No.	12,5	1/2"
6150050	<b>INX 19 PM</b> ● INX 19 5 6 8 10 12 ⊕ IKS 19 2 3 ⊖ IS 19 12 16	2.5	1

**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



12,5

1/2"



Code	No.	12,5	1/2"
6158970	<b>ITX 19 PM</b> ● ITX 19 T20 T25 T27 T30 T40 T45 T50 T55 T60	2.5	1
1394894	<b>ITX 19 B-PM</b> ● ITX 19 B T20 T25 T27 T30 T40 T45 T50 T55 T60	2.5	1

**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



12,5

1/2"



Code	No.	12,5	1/2"
6138510	<b>ITX 19 LKP</b> ● ITX 19 T20 T25 T27 T30 T40 T45 T50 T55 T60 ● ITX 19 L T20 T25 T27 T30 T40 T45 T50 T55 T60	1.9	1

**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



12,5

1/2"



Code	No.	12,5	1/2"
6129520	<b>ITX 19 TX-017</b> ● ITX 19 T20 T25 T27 T30 T40 T45 T50 T55 T60 ⊙ TX 19 E10 E11 E12 E14 E16 E18 E20 E24	2.0	1

**TX 19 E-09**

**SCREWDRIVER BIT SOCKET SET 1/2" 9 pieces**

- ▶ For protruding TORX® screws
- ▶ In GEDORIT blue sheet steel case
- ▶ Dimensions: 281 x 79 x 35 mm
- ▶ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



12,5

1/2"



Code	No.	12,5	1/2"
6265970	<b>TX 19 E-09</b> ⊙ TX 19 E10 E11 E12 E14 E16 E18 E20 E24 3019	0.9	1

**19 TX 20**

**SCREWDRIVER BIT SOCKET SET 1/2" 34 pieces**

- ▶ 1/2" and 1/4" 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



6,3

1/4"

12,5

1/2"



Code	No.	6,3	1/4"	12,5	1/2"
6129440	<b>19 TX 20</b> ⊙ ● ITX 19 T40 T45 T50 T55 T60 ⊙ ● ITX 19 LT20 T25 T27 T30 T40 T45 T50 T55 T60 ⊙ ● TX 19 E12 E14 E16 E18 E20 E24 ⊙ ● ITX 20 T8 T9 T10 T15 T20 T25 T27 T30 ⊙ ● TX 20 E4 E5 E6 E7 E8 E10	3.2	1		





### 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



Code	No.	Weight	Units
6173500	<b>ITX 19-20-30 T</b> <ul style="list-style-type: none"> <li>ITX 20 T8 T10 T15</li> <li>ITX 30 T20 T25 T30</li> <li>ITX 19 T40 T50 T55 T60</li> </ul>	0.8	1

### VB 19 M - VBD 19 M

#### DISPLAY BOX 1/2" 192 pieces

- With 192 1/2" sockets
- Supplied with empty insert (EI-VBE 19 L)
- Display box empty (VB 19 L) in GEDORIT silver sheet steel
- Dimensions: 430 x 300 x 220 mm



Code	No.	Weight	Units
6152340	<b>VB 19 M</b> <b>S VB 19 M + VB 19 L + EI-VBE 19 L</b>	23.0	1
1888021	<b>S VB 19 M</b> <b>O 19</b> 10x 8 9 10 11 12 13 14 8x 15 16 17 18 19 20 21 22 23 24 6x 25 26 27 28 29 30 32	17.0	1
6152260	<b>VBD 19 M</b> <b>S VBD 19 M + VB 19 L + EI-VBE 19 L</b>	23.0	1
1888048	<b>S VBD 19 M</b> <b>D 19</b> 10x 8 9 10 11 12 13 14 8x 15 16 17 18 19 20 21 22 23 24 6x 25 26 27 28 29 30 32	17.0	1
5152720	<b>VB 19 L</b>	6.0	1
5151080	<b>EI-VBE 19 L</b>	0.1	1

### VBI 19 M

#### DISPLAY BOX 1/2" 152 pieces

- With 152 1/2" screwdriver bit sockets
- Supplied with empty insert (EI-VBE 19 L)
- Display box empty (VBI 19 L) in GEDORIT silver sheet steel
- Dimensions: 430 x 300 x 220 mm



Code	No.	Weight	Units
6152180	<b>VBI 19 M</b> <b>S VBI 19 M + VBI 19 L + EI-VBE 19 L</b>	28.0	1
1888056	<b>S VBI 19 M</b> 10x IN 19 6 8 10 8x IN 19 5 12 14 5x IN 19 4 7 9 17 19 5x IS 19 8 10 12 3x IS 19 14 16 18 5x IKS 19 2 3 4 3x IKS 19 PZD 2 3 4 5x INX 19 5 6 8 10 12	24.0	1
5152480	<b>VBI 19 L</b>	9.2	1
5151080	<b>EI-VBE 19 L</b>	0.1	1

### VBTX 19

#### DISPLAY BOX 1/2" 185 pieces

- With 185 protruding and recessed 1/2" TORX® sockets
- Display box empty (VBTX 19 L) in GEDORIT silver sheet steel
- Dimensions: 413 x 275 x 165 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	Weight	Units
6194260	<b>VBTX 19</b> <b>S VBTX 19 + VBTX 19 L</b>	20.0	1
1888064	<b>S VBTX 19</b> 10x ITX 19 T20 T25 T27 T30 T40 T45 10x TX 19 E10 E11 E12 E14 E16 5x ITX 19 T50 T55 T60 5x ITX 19 L T20 T25 T27 T30 T40 T45 T50 T55 T60 5x TX 19 E18 E20 E24	19.0	1
6160010	<b>VBTX 19 L</b>	5.3	1

### VBE 19 INL

#### DISPLAY INSERT WITH ASSORTMENT 1/2" 75 pieces

- Includes 75 1/2" screwdriver bit sockets
- Also suitable for VB 19, VBI 19
- Dimensions: 430 x 150 x 35 mm
- EI-VBE 19 L = empty insert



Code	No.	Weight	Units
6157220	<b>VBE 19 INL</b> 5x IN 19 L 5-90 5-180 6-90 6-140 6-160 7-100 8-90 8-120 10-140 12-140 14-140 5x INX 19 L 6-100 8-100 10-100 12-100	10.5	1
5151080	<b>EI-VBE 19 L</b>	0.1	1



## 20 MM (3/4") SQUARE DRIVE

**20**  $\frac{3}{4}$  **20**  $\frac{3}{4}$

## SOCKETS 20 MM (3/4")



$\frac{3}{4}$

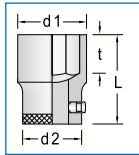
**32**

### SOCKET 3/4" hexagon

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - D 20, ISO 1174, with locking pin
- Hand-operated, chrome-plated, ground
- \* not standardised

**20**

$\frac{3}{4}$



Code	No.	*	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	$\frac{t}{L}$	$\frac{t}{d_2}$	$\frac{t}{d_1}$
6269880	<b>32 18</b>	*	18	51.5	28.3	36.0	19.0	230	1	
6270110	<b>32 19</b>	*	19	51.5	29.6	36.0	19.0	120	1	
6269960	<b>32 21</b>	*	21	51.5	32.0	36.0	19.0	240	1	
6270380	<b>32 22</b>	*	22	51.5	33.3	36.0	19.0	160	1	
6270460	<b>32 24</b>	*	24	51.5	35.8	38.0	19.5	180	1	
6270540	<b>32 27</b>	*	27	54.5	39.6	36.0	24.0	250	1	
6270620	<b>32 29</b>	*	29	54.5	42.0	36.0	23.5	280	1	
6270700	<b>32 30</b>	*	30	57.5	43.3	38.0	26.0	350	1	
6270890	<b>32 32</b>	*	32	57.5	45.8	38.0	27.0	380	1	
6270030	<b>32 33</b>	*	33	57.5	47.0	40.0	26.5	400	1	
6279410	<b>32 34</b>	*	34	57.5	48.3	40.0	26.5	410	1	
6270970	<b>32 36</b>	*	36	59.5	50.8	40.0	28.0	450	1	
6271000	<b>32 38</b>	*	38	59.5	53.3	40.5	28.0	460	1	
6271190	<b>32 41</b>	*	41	62.5	57.1	44.0	30.5	500	1	
6271270	<b>32 46</b>	*	46	65.5	63.3	44.0	32.5	570	1	
6271350	<b>32 50</b>	*	50	68.5	68.3	48.0	34.5	650	1	
6271430	<b>32 55</b>	*	55	68.5	74.6	53.0	33.0	750	1	
6271510	<b>32 60</b>	*	60	68.5	80.8	53.0	33.0	850	1	

**D 32**

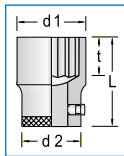
### SOCKET 3/4" UD profile

- Acc. to DIN 3124, ISO 2725-1
- Square drive as per DIN 3120 - D 20, ISO 1174, with locking pin
- Hand-operated, chrome-plated, ground
- \* not standardised

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**UD**



Code	No.	*	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	$\frac{t}{L}$	$\frac{t}{d_2}$	$\frac{t}{d_1}$
6289720	<b>D 32 18</b>	*	18	51.5	28.3	36.0	19.0	215	1	
6272160	<b>D 32 19</b>	*	19	51.5	29.6	36.0	19.0	120	1	
6289800	<b>D 32 21</b>	*	21	51.5	32.0	36.0	19.0	225	1	
6272240	<b>D 32 22</b>	*	22	51.5	33.3	36.0	19.0	150	1	
6272320	<b>D 32 24</b>	*	24	51.5	35.8	38.0	19.5	180	1	
6272400	<b>D 32 27</b>	*	27	54.5	39.6	36.0	24.0	250	1	
6272590	<b>D 32 29</b>	*	29	54.5	42.0	36.0	23.5	280	1	
6272670	<b>D 32 30</b>	*	30	57.5	43.3	38.0	26.0	350	1	
6272750	<b>D 32 32</b>	*	32	57.5	45.8	38.0	27.0	380	1	
6277040	<b>D 32 33</b>	*	33	57.5	47.0	40.0	26.5	400	1	
6272830	<b>D 32 36</b>	*	36	59.5	50.8	40.0	28.0	450	1	
6272910	<b>D 32 38</b>	*	38	59.5	53.3	40.5	28.0	460	1	
6273050	<b>D 32 41</b>	*	41	62.5	57.1	44.0	30.5	500	1	
6273130	<b>D 32 46</b>	*	46	65.5	63.3	44.0	32.5	570	1	
6273210	<b>D 32 50</b>	*	50	68.5	68.3	48.0	34.5	650	1	
6273480	<b>D 32 55</b>	*	55	68.5	74.6	53.0	33.0	750	1	
6273560	<b>D 32 60</b>	*	60	68.5	80.8	53.0	33.0	850	1	

Code	No.	Ø AF	L	d <sub>1</sub>	d <sub>2</sub>	t	$\frac{t}{L}$	$\frac{t}{d_2}$	$\frac{t}{d_1}$
6274020	<b>D 32 7/8AF</b>	7/8	51.5	33.6	36.0	19.0	150	1	
6274100	<b>D 32 15/16AF</b>	15/16	51.5	35.6	38.0	19.5	180	1	
6274290	<b>D 32 1AF</b>	1	51.5	37.6	36.0	22.0	200	1	
6274370	<b>D 32 1.1/16AF</b>	1.1/16	54.5	39.6	36.0	24.0	250	1	
6274450	<b>D 32 1.1/8AF</b>	1.1/8	54.5	41.5	36.0	24.0	280	1	
6274530	<b>D 32 1.1/4AF</b>	1.1/4	57.5	45.5	38.0	27.0	380	1	
6274610	<b>D 32 1.5/16AF</b>	1.5/16	57.5	47.5	40.0	26.5	400	1	
6274880	<b>D 32 1.3/8AF</b>	1.3/8	59.5	49.5	40.0	28.0	420	1	
6274960	<b>D 32 1.7/16AF</b>	1.7/16	59.5	51.4	40.0	28.0	450	1	
6275180	<b>D 32 1.1/2AF</b>	1.1/2	59.5	53.3	40.5	28.0	460	1	
6275260	<b>D 32 1.5/8AF</b>	1.5/8	62.5	57.4	44.0	30.5	500	1	
6275340	<b>D 32 1.11/16AF</b>	1.11/16	62.5	59.4	44.0	30.5	530	1	
6275420	<b>D 32 1.3/4AF</b>	1.3/4	65.5	61.4	44.0	32.5	550	1	
6275500	<b>D 32 1.13/16AF</b>	1.13/16	65.5	63.3	44.0	32.5	570	1	
6275690	<b>D 32 1.7/8AF</b>	1.7/8	65.5	65.3	44.0	32.5	600	1	
6275770	<b>D 32 2AF</b>	2	68.5	69.2	48.0	34.5	650	1	

**IN 32**

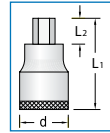
### SCREWDRIVER BIT SOCKET 3/4" for in-hex screws

- Acc. to DIN 7422
- Square drive as per DIN 3120 - D 20, ISO 1174, with locking pin
- Hand-operated, chrome-plated
- With pressed-in pin, bit manganese-phosphated

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**IN**



Code	No.	Ø mm	L <sub>1</sub>	L <sub>2</sub>	d	$\frac{t}{L}$	$\frac{t}{d}$
6275850	<b>IN 32 14</b>	14	80	25.5	38	200	1
6275930	<b>IN 32 17</b>	17	80	25.5	38	200	1
6276070	<b>IN 32 19</b>	19	80	25.5	38	300	1
6276150	<b>IN 32 22</b>	22	80	25.5	38	300	1

**IN 32 L**

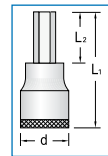
### SCREWDRIVER BIT SOCKET 3/4" long, for in-hex screws

- Acc. to DIN 7422
- Square drive as per DIN 3120 - D 20, ISO 1174, with locking pin
- Hand-operated, chrome-plated
- With pressed-in pin, bit manganese-phosphated

**20**

$\frac{3}{4}$

**IN**



Code	No.	Ø mm	L <sub>1</sub>	L <sub>2</sub>	d	$\frac{t}{L}$	$\frac{t}{d}$
2003503	<b>IN 32 L 14-155</b>	14	155	100	38	1	
1353705	<b>IN 32 L 17-155</b>	17	155	100	38	1	
2003511	<b>IN 32 L 19-155</b>	19	155	100	38	1	
2003538	<b>IN 32 L 22-155</b>	22	155	100	38	1	

**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, chrome-plated
- With pressed-in pin, bit gun-metal finished
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

**20**

$\frac{3}{4}$

**ITX**



Code	No.	Ø	mm	L <sub>1</sub>	L <sub>2</sub>	d	$\frac{t}{L}$	$\frac{t}{d}$	
6271780	<b>ITX 32 T60</b>	T60	M14	13.25	80	25.5	38	325	1
6272080	<b>ITX 32 T70</b>	T70	M16	15.55	80	25.5	38	340	1
6273640	<b>ITX 32 T80</b>	T80	M18	17.58	80	25.5	38	360	1
6276230	<b>ITX 32 T90</b>	T90	M20	19.95	80	25.5	38	380	1
6276310	<b>ITX 32 T100</b>	T100	M22	21.16	80	25.5	38	395	1



## RATCHETS 20 MM (3/4")

### 3293 U-10

#### REVERSIBLE RATCHET 3/4"

- Acc. to DIN 3122, ISO 3315
- With lever change, locks in middle position
- Push-fit tube handle
- For hand-operated sockets and accessories with square drive as per DIN 3120 - D 20, ISO 1174, with locking pin

20  
3/4"



Code	No.	□"	□	□"	□	∠°	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣
6277980	<b>3293 U-10</b>	3/4	20	11,25	620	57,5	2400	1				

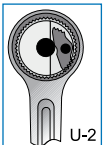


### 3293 U-2

#### REVERSIBLE RATCHET 3/4"

- Acc. to DIN 3122, ISO 3315
- With disc change, fine-toothed and robust
- For hand-operated sockets and accessories with square drive as per DIN 3120 - D 20, ISO 1174, with locking pin

20  
3/4"



Code	No.	□"	□	□"	□	∠°	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣
6278600	<b>3293 U-2</b>	3/4	20	7,2	510	60	1250	1				

### 3293 U-3

#### REVERSIBLE RATCHET 3/4"

- Acc. to DIN 3122, ISO 3315
- With non-slip metal disc change, fine-toothed and robust
- Push-fit tube handle
- For hand-operated sockets and accessories with square drive as per DIN 3120 - D 20, ISO 1174, with locking pin

20  
3/4"



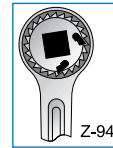
Code	No.	□"	□	□"	□	∠°	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣
6278790	<b>3293 U-3</b>	3/4	20	5	620	62,5	2200	1				

### 3293 Z-94

#### RATCHET HANDLE WITH COUPLER 3/4"

- Acc. to DIN 3122, ISO 3315
- With square coupler, medium-fine toothed, extremely rugged
- For hand-operated sockets and accessories with square drive as per DIN 3120 - D 20, ISO 1174, with locking pin

20  
3/4"



Code	No.	□"	□	□"	□	∠°	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣
6278950	<b>3293 Z-94</b>	3/4	20	10	510	31,0	1300	1				

## ACCESSORIES 20 MM (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
- Load capacity max. 512 N-m

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



Code	No.	□"	□	□"	□	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣
6278010	<b>3219</b>	3/4	20	1/2	12,5	56	150	1				

### 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

20  
3/4"  
25  
1"



Code	No.	□"	□	□"	□	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣
6278280	<b>3221</b>	3/4	20	1	25	60	300	1				

### 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

20  
3/4"



Code	No.	□"	□	□"	□	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣
6278360	<b>3287</b>	3/4	20	500	1150	1						

### 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

20  
3/4"



Code	No.	□"	□	□"	□	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣
6278440	<b>3290-8</b>	3/4	20	200	600	1						
6278520	<b>3290-16</b>	3/4	20	400	1100	1						

### 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

20  
3/4"



Code	No.	□"	□	□"	□	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣	∣mm∣
6279090	<b>3294</b>	3/4	20	51,5	100	1						



**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

20  
3/4"



Code	No.	■"	■	□"	□	↳mm↳	↳	↳
6279170	<b>3295</b>	3/4	20	3/4	20	108	550	1

**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

20  
3/4"



Code	No.	■"	■	↳mm↳	↳	↳
6279250	<b>3296</b>	3/4	20	547	1950	1

Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)



**SETS 20 MM (3/4")**

20 3/4"

**32 E / D 32 E**

**SOCKET SET 3/4" 14 pieces**

- In GEDORIT blue sheet steel case
- Dimensions: 525 x 203 x 73 mm

20  
3/4"



Code	No.	↳	↳
6280180	<b>32 EMZ</b> ⊖ Z94 <b>3293</b> Z-94 ⊖ <b>32</b> 22 24 27 30 32 36 38 41 46 50 ↳ <b>3287</b> ↳ <b>3290-8 -16</b>	11.4	1
6280340	<b>32 EMU-2</b> ⊖ U-2 <b>3293</b> U-2 ⊖ <b>32</b> 22 24 27 30 32 36 38 41 46 50 ↳ <b>3287</b> ↳ <b>3290-8 -16</b>	11.5	1
6280260	<b>D 32 EMZ</b> ⊖ Z94 <b>3293</b> Z-94 ⊖ <b>D 32</b> 22 24 27 30 32 36 38 41 46 50 ↳ <b>3287</b> ↳ <b>3290-8 -16</b>	10.3	1
6280420	<b>D 32 EMU-2</b> ⊖ U-2 <b>3293</b> U-2 ⊖ <b>D 32</b> 22 24 27 30 32 36 38 41 46 50 ↳ <b>3287</b> ↳ <b>3290-8 -16</b>	10.3	1
6280500	<b>D 32 EAZ</b> ⊖ Z94 <b>3293</b> Z-94 ⊖ <b>D 32</b> 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" ↳ <b>3287</b> ↳ <b>3290-8 -16</b>	10.3	1
6280690	<b>D 32 EAU-2</b> ⊖ U-2 <b>3293</b> U-2 ⊖ <b>D 32</b> 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" ↳ <b>3287</b> ↳ <b>3290-8 -16</b>	10.3	1

**D 32 EMAU-2**

**SOCKET SET 3/4" 25 pieces**

- In GEDORIT blue sheet steel case
- Dimensions: 660 x 230 x 80 mm

20  
3/4"



Code	No.	↳	↳
6281310	<b>D 32 EMAU-2</b> ⊖ U-2 <b>3293</b> U-2 ⊖ <b>D 32</b> 22 24 27 30 32 36 41 46 50 ⊖ <b>D 32</b> 7/8 15/16 1" 1.1/16 1.1/8 1.1/4 1.5/16 1.3/8 1.1/2 1.1/16 1.7/8 2" ↳ <b>3287</b> ↳ <b>3290-8 -16</b>	18.0	1



**32 FM / D 32 FM**

**SOCKET SET 3/4" 16 pieces**

- In GEDORIT blue sheet steel case
- Dimensions: 555 x 230 x 80 mm

20  
3/4"



Code	No.	↳	↳
6280930	<b>32 FMZ</b> ⊖ Z94 <b>3293</b> Z-94 ⊖ <b>32</b> 22 24 27 30 32 36 38 41 46 50 55 60 ↳ <b>3287</b> ↳ <b>3290-8 -16</b>	15.6	1
6281150	<b>32 FMU-2</b> ⊖ U-2 <b>3293</b> U-2 ⊖ <b>32</b> 22 24 27 30 32 36 38 41 46 50 55 60 ↳ <b>3287</b> ↳ <b>3290-8 -16</b>	15.8	1
6281070	<b>D 32 FMZ</b> ⊖ Z94 <b>3293</b> Z-94 ⊖ <b>D 32</b> 22 24 27 30 32 36 38 41 46 50 55 60 ↳ <b>3287</b> ↳ <b>3290-8 -16</b>	14.5	1
6281230	<b>D 32 FMU-2</b> ⊖ U-2 <b>3293</b> U-2 ⊖ <b>D 32</b> 22 24 27 30 32 36 38 41 46 50 55 60 ↳ <b>3287</b> ↳ <b>3290-8 -16</b>	14.5	1



## 25 (1") SQUARE DRIVE

25 1" 25 1"

## SOCKETS 25 (1")

### D 21

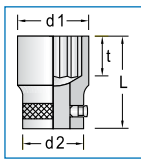
#### SOCKET 1" UD profile or bi-hexagon

- ▲ Acc. to DIN 3124, ISO 2725-1
- ▲ Square drive as per DIN 3120 - D 25, ISO 1174, with locking pin
- ▲ Metric sizes with UD profile, double hex imperial and Whitworth
- ▲ Hand-operated, chrome-plated, ground
- ▲ \* not standardised

25

1"

1" DRIVE



Code	No. G <sup>+</sup>	*	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	↺	↻
6174900	<b>D 21 36</b>	*	36	70.0	53.9	48.0	30.0	650	1
6175040	<b>D 21 41</b>		41	70.0	60.1	50.0	30.5	750	1
6175120	<b>D 21 46</b>		46	75.0	66.4	50.0	33.5	900	1
6175200	<b>D 21 50</b>		50	75.0	71.4	50.0	35.0	1000	1
6175390	<b>D 21 55</b>		55	80.0	77.6	50.0	37.5	1100	1
6175470	<b>D 21 60</b>		60	85.0	83.9	50.0	41.0	1400	1
6175550	<b>D 21 65</b>		65	88.0	90.1	59.5	44.5	1600	1
6175630	<b>D 21 70</b>		70	92.0	96.4	59.5	48.0	1750	1
6175710	<b>D 21 75</b>		75	95.0	102.6	59.5	51.0	2100	1
6175980	<b>D 21 80</b>		80	97.0	108.9	59.5	54.0	2300	1

Code	No. O	Ø AF	L	d <sub>1</sub>	d <sub>2</sub>	t	↺	↻
6176440	<b>D 21 1.7/16AF</b>	1.7/16	70.0	54.5	48.0	30.0	650	1
6176520	<b>D 21 1.1/2AF</b>	1.1/2	70.0	56.5	48.0	30.0	700	1
6176600	<b>D 21 1.5/8AF</b>	1.5/8	70.0	60.1	50.0	30.5	750	1
6176870	<b>D 21 1.13/16AF</b>	1.13/16	75.0	66.4	50.0	33.5	900	1
6176950	<b>D 21 1.7/8AF</b>	1.7/8	75.0	68.4	50.0	33.5	950	1
6177090	<b>D 21 2AF</b>	2	75.0	72.4	50.0	35.0	1000	1
6177170	<b>D 21 2.1/16AF</b>	2.1/16	75.0	74.0	50.0	35.0	1050	1
6177250	<b>D 21 2.3/16AF</b>	2.3/16	80.0	78.3	50.0	37.5	1100	1
6177330	<b>D 21 2.1/4AF</b>	2.1/4	80.0	80.3	50.0	37.5	1150	1
6177410	<b>D 21 2.3/8AF</b>	2.3/8	85.0	83.9	50.0	41.0	1400	1
6177680	<b>D 21 2.7/16AF</b>	2.7/16	85.0	86.2	50.0	41.0	1450	1
6177760	<b>D 21 2.9/16AF</b>	2.9/16	88.0	90.1	59.5	44.5	1600	1
6177840	<b>D 21 2.5/8AF</b>	2.5/8	88.0	92.2	59.5	44.5	1650	1
6177920	<b>D 21 2.3/4AF</b>	2.3/4	92.0	96.4	59.5	48.0	1750	1
6178060	<b>D 21 2.13/16AF</b>	2.13/16	92.0	98.2	59.5	48.0	1850	1
6178140	<b>D 21 2.15/16AF</b>	2.15/16	95.0	102.6	59.5	51.0	2100	1
6178220	<b>D 21 3AF</b>	3	95.0	104.1	59.5	51.0	2200	1
6178300	<b>D 21 3.1/8AF</b>	3.1/8	97.0	108.9	59.5	54.0	2300	1

Code	No. O	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	↺	↻
6178650	<b>D 21 7/8W</b>	7/8	70.0	55.8	48.0	30.0	700	1
6178730	<b>D 21 15/16W</b>	15/16	70.0	58.6	50.0	30.0	750	1
6178810	<b>D 21 1W</b>	1	70.0	61.9	50.0	30.5	800	1
6179030	<b>D 21 1.1/8W</b>	1.1/8	75.0	67.9	50.0	33.5	950	1
6179110	<b>D 21 1.1/4W</b>	1.1/4	75.0	74.0	50.0	35.0	1050	1
6179380	<b>D 21 1.3/8W</b>	1.3/8	80.0	79.3	50.0	37.5	1150	1
6179460	<b>D 21 1.1/2W</b>	1.1/2	85.0	85.1	50.0	41.0	1450	1
6179540	<b>D 21 1.5/8W</b>	1.5/8	88.0	90.8	59.5	44.5	1600	1
6179620	<b>D 21 1.3/4W</b>	1.3/4	92.0	96.4	59.5	48.0	1750	1
6179700	<b>D 21 2W</b>	2	97.0	108.9	59.5	54.0	2300	1

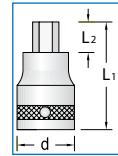
### IN 21

#### 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, chrome-plated
- ▲ With pressed-in pin, bit manganese-phosphated
- ▲ \* not standardised

25

1"



Code	No.	*	Ø mm	L <sub>1</sub>	L <sub>2</sub>	d	↺	↻
6181010	<b>IN 21 17</b>		17	90	25.5	48	300	1
6181280	<b>IN 21 19</b>		19	90	25.5	48	300	1
6181360	<b>IN 21 22</b>		22	90	25.5	48	400	1
6181440	<b>IN 21 24</b>		24	90	25.5	48	400	1
6200680	<b>IN 21 27</b>	*	27	90	25.5	48	850	1

## RATCHETS 25 (1")

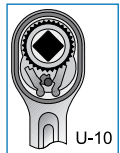
### 2193 U-10

#### REVERSIBLE RATCHET 1"

- ▲ Acc. to DIN 3122, ISO 3315
- ▲ With lever change, locks in middle position
- ▲ 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

25

1"



Code	No.	■ *	■	↺	↻	↺	↻	
6180550	<b>2193 U-10 complete</b>	1	25	11,25	810	61.5	5210	1
6196120	<b>2193 U-10 K head only</b>	1	25		184	61.5	1980	1
6195900	<b>2187 G tommy bar</b>				700		3230	1

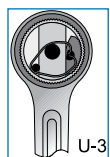
### 2193 U-3

#### REVERSIBLE RATCHET 1"

- ▲ Acc. to DIN 3122, ISO 3315
- ▲ With non-slip metal disc change, fine-toothed and robust
- ▲ Push-fit tube handle
- ▲ For hand-operated sockets and accessories with square drive as per DIN 3120 - D 25, ISO 1174, with locking pin

25

1"



Code	No.	■ *	■	↺	↻	↺	↻	
6180630	<b>2193 U-3 complete</b>	1	25	5	720	76	4160	1
1637487	<b>E-2193 U-3 K head only</b>	1	25				2000	1
1382500	<b>E-2193 Z/17 tube</b>						2160	1

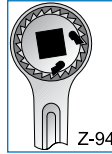
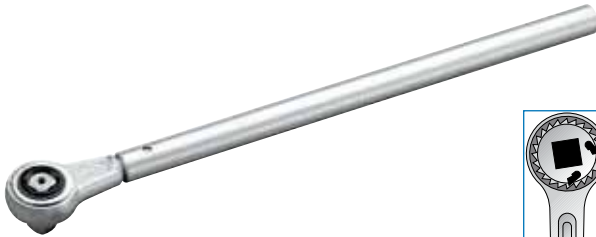


**2193 Z-94**

**RATCHET HANDLE WITH COUPLER 1"**

- Acc. to DIN 3122, ISO 3315
- With square coupler, medium-fine toothed, extremely rugged
- Push-fit tube handle
- For hand-operated sockets and accessories with square drive as per DIN 3120 - D 25, ISO 1174, with locking pin

25  
1"



Code	No.	■"	■	∠°	↳mm↳	↳	↳	↳
6181520	<b>2193 Z-94</b> complete	1	25	9	720	41	4115	1
1493779	<b>E-2193 Z K</b> head only	1	25				1955	
1382500	<b>E-2193 Z/17</b> tube						2160	1

**ACCESSORIES 25 (1")**

**2132**

**REDUCER 1" TO 3/4"**

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with locking pin
- Load capacity max. 1412 N-m

25  
1"  
20  
3/4"



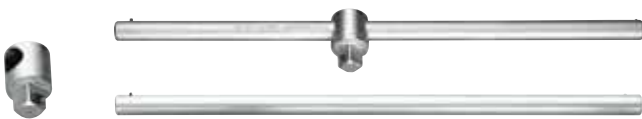
Code	No.	□"	□	■"	■	↳mm↳	↳	↳
6180040	<b>2132</b>	1	25	3/4	20	75	500	1

**2187**

**SLIDING T BAR 1"**

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with locking pin

25  
1"



Code	No.	■"	■	↳mm↳	↳	↳
6180120	<b>2187</b> complete	1	25	700	3950	1
6196040	<b>2187 K</b> drive piece	1	25	80	700	1
6195900	<b>2187 G</b> tommy bar			700	3230	1



**2190**

**EXTENSION 1"**

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with locking pin

25  
1"



Code	No.	■"	■	↳mm↳	↳	↳
6180200	<b>2190-8</b>	1	25	200	1150	1
6180390	<b>2190-16</b>	1	25	400	1900	1

**2194**

**COUPLER 1"**

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with locking pin

25  
1"



Code	No.	■"	■	↳mm↳	↳	↳
6180710	<b>2194</b>	1	25	67.5	300	1

**2195**

**UNIVERSAL JOINT 1"**

- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, with locking pin

25  
1"



Code	No.	■"	■	□"	□	↳mm↳	↳	↳
6180980	<b>2195</b>	1	25	1	25	140	1400	1

**SETS 25 (1")**

25 1"

**D 21 E**

**SOCKET SET 1" 15 pieces**

- In GEDORIT blue sheet steel case
- Dimensions: 765 x 289 x 105 mm

25  
1"  
SOCKET DRIVE



Code	No.	↳	↳
6181600	<b>D 21 EMU-10</b> ⊙ U-10 K <b>2193</b> U-10 K ⊙ <b>D 21</b> 36 41 46 50 55 60 65 70 75 80 ↳ <b>2190-8</b> -16 ↳ <b>2187 G</b> ↳ <b>2187 K</b>	36.7	1
6181790	<b>D 21 EAU-10</b> ⊙ U-10 K <b>2193</b> U-10 K ⊙ <b>D 21</b> 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" AF ↳ <b>2190-8</b> -16 ↳ <b>2187 G</b> ↳ <b>2187 K</b>	34.9	1
6181870	<b>D 21 EWU-10</b> ⊙ U-10 K <b>2193</b> U-10 K ⊙ <b>D 21</b> 7/8 15/16 1" 1.1/8 1.1/4 1.3/8 1.1/2 1.5/8 1.3/4 2" W ↳ <b>2190-8</b> -16 ↳ <b>2187 G</b> ↳ <b>2187 K</b>	34.9	1

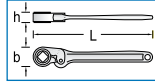


## FRICION TYPE RATCHETS

### 31 KR

#### FRICION 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
- 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



Code	No.	Ømm	L	L"	h	b	↕	⊞
6253020	<b>31 KR 6-8</b>	8	150	6	11.5	23.0	90	1
6253100	<b>31 KR 6-9</b>	9	150	6	11.5	23.0	90	1
6253290	<b>31 KR 6-10</b>	10	150	6	11.5	23.0	90	1
6253370	<b>31 KR 6-11</b>	11	150	6	11.5	23.0	90	1
6253450	<b>31 KR 6-12</b>	12	150	6	11.5	23.0	90	1
6253530	<b>31 KR 6-13</b>	13	150	6	11.5	23.0	90	1
6253610	<b>31 KR 8-14</b>	14	205	8	15.5	31.2	220	1
6253880	<b>31 KR 8-15</b>	15	205	8	15.5	31.2	220	1
6253960	<b>31 KR 8-16</b>	16	205	8	15.5	31.2	220	1
6254180	<b>31 KR 8-17</b>	17	205	8	15.5	31.2	220	1
6254260	<b>31 KR 10-18</b>	18	255	10	17.5	38.0	370	1
6254340	<b>31 KR 10-19</b>	19	255	10	17.5	38.0	370	1
6254500	<b>31 KR 10-21</b>	21	255	10	17.5	38.0	370	1
6254690	<b>31 KR 10-22</b>	22	255	10	17.5	38.0	370	1
6254770	<b>31 KR 10-23</b>	23	255	10	17.5	38.0	370	1
6254850	<b>31 KR 12-24</b>	24	305	12	18.5	44.6	480	1
6255070	<b>31 KR 12-26</b>	26	305	12	18.5	44.6	480	1
6255150	<b>31 KR 12-27</b>	27	305	12	18.5	44.6	480	1
6255230	<b>31 KR 12-28</b>	28	305	12	18.5	44.6	480	1
6255580	<b>31 KR 16-30</b>	30	400	16	19.5	51.6	720	1
6255740	<b>31 KR 16-32</b>	32	400	16	19.5	51.6	720	1
6262600	<b>31 KR 20-34</b>	34	500	20	21.5	63.6	1200	1
6256120	<b>31 KR 20-36</b>	36	500	20	21.5	63.6	1250	1
6256470	<b>31 KR 20-41</b>	41	500	20	21.5	63.6	1250	1
6256550	<b>31 KR 25-46</b>	46	635	25	31.5	78.1	2500	1
6256630	<b>31 KR 25-50</b>	50	635	25	31.5	78.1	2500	1
6256710	<b>31 KR 30-55</b>	55	760	30	33.5	92.0	3050	1
6256980	<b>31 KR 30-60</b>	60	760	30	33.5	92.0	3050	1
6257010	<b>31 KR 35-65</b>	65	940	35	36.5	105.0	5000	1
6257280	<b>31 KR 35-70</b>	70	940	35	36.5	105.0	5000	1
6257360	<b>31 KR 40-75</b>	75	960	40	39.5	118.0	5900	1
6257440	<b>31 KR 40-80</b>	80	960	40	39.5	118.0	5900	1
6257520	<b>31 KR 45-85</b>	85	1150	45	46.0	133.0	10100	1
6257600	<b>31 KR 45-90</b>	90	1150	45	46.0	133.0	10100	1
6257790	<b>31 KR 55-95</b>	95	1400	55	55.0	160.0	18400	1
6257870	<b>31 KR 55-100</b>	100	1400	55	55.0	160.0	18400	1
6257950	<b>31 KR 55-105</b>	105	1400	55	55.0	160.0	18400	1
6258090	<b>31 KR 60-110</b>	110	1500	60	57.0	169.0	19800	1
6258170	<b>31 KR 60-115</b>	115	1500	60	57.0	169.0	19800	1

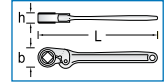


Deviant packing units see article description.

### 31 KVR

#### FRICION TYPE RATCHET with square ring

- Friction spanner (31 K) with exchangeable square insert rings (31 VR)
- 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



Code	No.	Ømm	L	L"	h	b	↕	⊞
6266000	<b>31 KVR 6-8</b>	8	150	6	11.5	23.0	90	1
6266190	<b>31 KVR 6-9</b>	9	150	6	11.5	23.0	90	1
6266270	<b>31 KVR 6-10</b>	10	150	6	11.5	23.0	90	1
6266350	<b>31 KVR 6-11</b>	11	150	6	11.5	23.0	90	1
6266430	<b>31 KVR 8-12</b>	12	205	8	15.5	31.2	220	1
6266780	<b>31 KVR 8-14</b>	14	205	8	15.5	31.2	220	1
6267080	<b>31 KVR 10-17</b>	17	255	10	17.5	38.0	370	1
6267240	<b>31 KVR 10-19</b>	19	255	10	17.5	38.0	370	1

### 31 K

#### FRICION RATCHET HANDLE WITHOUT INSERT RING

- Friction spanner for insert rings 31 R and 31 VR
- GEDORE vanadium steel 31CrV3, manganese-phosphated



Code	No.	Ø Ring	Ø Ring	L	L"	Head Ø	↕	⊞
6243060	<b>31 K 6</b>	8-13	8-11	150	6	20	60	1
6243140	<b>31 K 8</b>	14-17	12-14	205	8	28	180	1
6243220	<b>31 K 10</b>	18-23	17-19	255	10	34	310	1
6243300	<b>31 K 12</b>	24-28		305	12	40	410	1
6243490	<b>31 K 16</b>	30-32		400	16	46	890	1
6243570	<b>31 K 20</b>	34-41		500	20	57	1020	1
6243650	<b>31 K 25</b>	46-50		635	25	70	2200	1
6243730	<b>31 K 30</b>	55-60		760	30	82	2600	1
6243810	<b>31 K 35</b>	65-70		940	35	96	4500	1
6244030	<b>31 K 40</b>	75-80		960	40	108	5300	1
6244110	<b>31 K 45</b>	85-90		1150	45	120	9000	1
6244460	<b>31 K 55</b>	95-105		1400	55	145	16400	1
6244540	<b>31 K 60</b>	110-115		1500	60	153	17100	1

### 31 R

#### INSERT RING FOR FRICION RATCHET UD profile or bi-hexagon

- GEDORE vanadium steel 31CrV3, manganese-phosphated



Code	No.	Ø	Ø	↕	↕	⊞
6245000	<b>31 R 8</b>	8	19.7	6	30	1
6245190	<b>31 R 9</b>	9	19.7	6	30	1
6245270	<b>31 R 10</b>	10	19.7	6	30	1
6245350	<b>31 R 11</b>	11	19.7	6	30	1
6245430	<b>31 R 12</b>	12	19.7	6	30	1
6245510	<b>31 R 13</b>	13	19.7	6	30	1
6245780	<b>31 R 14</b>	14	27.6	8	40	1
6245860	<b>31 R 15</b>	15	27.6	8	40	1



Code	No.	Ø	Ø	mm	mm	mm
6245940	<b>31 R 16</b>	16	27.6	8	40	1
6246080	<b>31 R 17</b>	17	27.6	8	40	1
6246160	<b>31 R 18</b>	18	33.6	10	60	1
6246240	<b>31 R 19</b>	19	33.6	10	60	1
6246400	<b>31 R 21</b>	21	33.6	10	60	1
6246590	<b>31 R 22</b>	22	33.6	10	60	1
6246670	<b>31 R 23</b>	23	33.6	10	60	1
6246750	<b>31 R 24</b>	24	39.6	12	70	1
6246910	<b>31 R 26</b>	26	39.6	12	70	1
6247050	<b>31 R 27</b>	27	39.6	12	70	1
6247130	<b>31 R 28</b>	28	39.6	12	70	1
6247480	<b>31 R 30</b>	30	45.6	16	150	1
6247640	<b>31 R 32</b>	32	45.6	16	150	1
6240040	<b>31 R 34</b>	34	56.6	20	240	1
6248020	<b>31 R 36</b>	36	56.6	20	230	1
6248370	<b>31 R 41</b>	41	56.6	20	230	1
6248450	<b>31 R 46</b>	46	70.0	25	300	1
6248530	<b>31 R 50</b>	50	70.0	25	300	1
6248610	<b>31 R 55</b>	55	82.0	30	450	1
6248880	<b>31 R 60</b>	60	82.0	30	450	1
6248960	<b>31 R 65</b>	65	96.0	35	500	1
6249180	<b>31 R 70</b>	70	96.0	35	500	1
6249260	<b>31 R 75</b>	75	108.0	40	600	1
6249340	<b>31 R 80</b>	80	108.0	40	915	1
6249420	<b>31 R 85</b>	85	120.0	45	1100	1
6249500	<b>31 R 90</b>	90	120.0	45	1100	1
6249690	<b>31 R 95</b>	95	145.0	55	2000	1
6249770	<b>31 R 100</b>	100	145.0	55	2000	1
6249850	<b>31 R 105</b>	105	145.0	55	2000	1
6249930	<b>31 R 110</b>	110	153.0	60	2700	1
6250000	<b>31 R 115</b>	115	153.0	60	2700	1

**31 VR**

**INSERT RING FOR FRICTION RATCHET square**  
 With permanently fixed square insert  
 GEDORE vanadium steel 31CrV3, manganese-phosphated



Code	No.	Ø	Ø	mm	mm	mm
6261200	<b>31 VR 8</b>	8	19.7	6	30	1
6261390	<b>31 VR 9</b>	9	19.7	6	30	1
6261470	<b>31 VR 10</b>	10	19.7	6	30	1
6261550	<b>31 VR 11</b>	11	19.7	6	30	1
6261630	<b>31 VR 12</b>	12	27.6	8	40	1
6261980	<b>31 VR 14</b>	14	27.6	8	40	1
6262360	<b>31 VR 17</b>	17	33.6	10	60	1
6262520	<b>31 VR 19</b>	19	33.6	10	60	1

**29**

**CONSTRUCTION RATCHET bi-hexagon**  
 Reversible ratchet with two different size heads, bi-hexagon and "rat-tail" handle



Code	No.	Ø mm	L	h	b	mm
1648934	<b>29 17x19</b>	17 x 19	315	49.0	42.0	456
1382853	<b>29 19x22</b>	19 x 22	315	49.5	42.0	740
1648926	<b>29 19x24</b>	19 x 24	365	56.0	51.5	740
6262790	<b>29 24x30</b>	24 x 30	402	63.0	61.0	1050
6262950	<b>29 27x32</b>	27 x 32	402	63.0	61.0	1050
6263170	<b>29 36x41</b>	36 x 41	495	74.0	76.0	2000

**41 - 41 B**

**REVERSIBLE LEVER CHANGE RATCHET**  
 With permanently fixed UD profile insert  
 GEDORE vanadium steel 31CrV3, chrome-plated



Code	No.	°	Ø	mm	mm	mm
6338790	<b>41 22</b>	11,25	22	27.9	620	2600
6338870	<b>41 24</b>	11,25	24	27.9	620	2600
6338950	<b>41 27</b>	11,25	27	27.9	620	2600
6330030	<b>41 28</b>	11,25	28	27.9	620	3300
6339170	<b>41 30</b>	11,25	30	27.9	620	2600
6339250	<b>41 32</b>	11,25	32	27.9	620	2600
6338360	<b>41 B 36</b>	15,00	36	43.0	910	5000
6338440	<b>41 B 41</b>	15,00	41	43.0	910	5000
6338520	<b>41 B 46</b>	15,00	46	43.0	910	5000

Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)



**41 V - 41 BV**

**REVERSIBLE LEVER CHANGE RATCHET**  
 With permanently fixed square insert  
 GEDORE vanadium steel 31CrV3, chrome-plated



Code	No.	°	Ø	mm	mm	mm
6339410	<b>41 V 19</b>	11,25	19	27.9	620	2600
6339680	<b>41 V 22</b>	11,25	22	27.9	620	2600
6339760	<b>41 V 24</b>	11,25	24	27.9	620	2600
6339840	<b>41 V 27</b>	11,25	27	27.9	620	2600
6338600	<b>41 BV 30</b>	15,00	30	43.0	910	5000
6339330	<b>41 BV 32</b>	15,00	32	43.0	910	5000
6339920	<b>41 BV 36</b>	15,00	36	43.0	910	5000

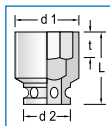
Our extensive range of torque wrenches is listed up from page 304





**IMPACT TOOLS****6.3 MM (1/4") SQUARE DRIVE****K 20****IMPACT SOCKET 1/4"**

- DIN 3129, ISO 2725-2
- Suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 6.3, ISO 1174
- \* not standardised

**6.3****1/4"**

Code	No.	*	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	↺↻	⊞
6198090	<b>K 20 5,5</b>		5.5	24	9.5	13	5	15	1
6198170	<b>K 20 6</b>		6.0	24	10.1	13	5	15	1
6198250	<b>K 20 7</b>		7.0	24	11.4	13	5	18	1
6198330	<b>K 20 8</b>		8.0	24	12.6	13	5	20	1
6198410	<b>K 20 9</b>		9.0	24	13.9	13	6	22	1
6198680	<b>K 20 10</b>		10.0	24	15.1	13	6	24	1
6198760	<b>K 20 11</b>		11.0	24	16.4	13	7	29	1
6198840	<b>K 20 12</b>		12.0	24	17.6	13	7	30	1
6198920	<b>K 20 13</b>		13.0	24	18.9	13	8	30	1
6199060	<b>K 20 14</b>	*	14.0	25	20.1	13	8	35	1
6199140	<b>K 20 17</b>	*	17.0	26	23.9	13	10	35	1

Code	No.	Ø AF	L	d <sub>1</sub>	d <sub>2</sub>	t	↺↻	⊞
6199220	<b>K 20 3/16AF</b>	3/16	24	8.5	13	5	15	1
6199300	<b>K 20 1/4AF</b>	1/4	24	10.6	13	5	15	1
6199490	<b>K 20 5/16AF</b>	5/16	24	12.6	13	5	20	1
6199570	<b>K 20 3/8AF</b>	3/8	24	14.0	13	6	24	1
6199650	<b>K 20 7/16AF</b>	7/16	24	16.0	13	7	29	1

**KB 2070 - KB 2090****ACCESSORIES for impact sockets 1/4"**

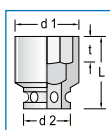
- With square drive as per DIN 3121 - G 6.3, ISO 1174

**6.3****1/4"**

Code	No.	Ø	↳ mm	↺↻	⊞
6200920	<b>KB 2070</b> Safety ring d 9 mm	9.0		5	1
6201060	<b>KB 2075</b> Safety pin d 1.5 mm	1.5	10	5	1
6201140	<b>KB 2090-2</b> Impact extension 1/4" 50 mm		50	50	1

**10 MM (3/8") SQUARE DRIVE****K 30****IMPACT SOCKET 3/8"**

- DIN 3129, ISO 2725-2
- Suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 10, ISO 1174
- \* not standardised

**10****3/8"**

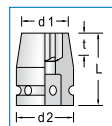
Code	No.	*	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	↺↻	⊞
6251160	<b>K 30 6</b>	*	6	33	11.3	19	5	35	5
6251240	<b>K 30 7</b>		7	33	12.5	19	5	35	5
6251320	<b>K 30 8</b>		8	33	13.8	19	5	40	5
6251400	<b>K 30 9</b>		9	33	15.0	19	6	40	1

Deviant packing units see article description.

Code	No.	*	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	↺↻	⊞
6251590	<b>K 30 10</b>		10	33	16.3	19	6	40	10
6251670	<b>K 30 11</b>		11	33	17.5	19	7	50	5
6251750	<b>K 30 12</b>		12	33	19.0	19	7	55	5
6251830	<b>K 30 13</b>		13	33	20.0	22	8	60	10
6251910	<b>K 30 14</b>		14	33	21.3	22	8	60	5
6252050	<b>K 30 15</b>		15	33	22.5	22	9	60	1
6252130	<b>K 30 16</b>		16	33	23.8	22	9	65	1
6252210	<b>K 30 17</b>		17	33	25.0	22	10	70	1
6252480	<b>K 30 18</b>		18	33	26.3	22	10	80	1
6252560	<b>K 30 19</b>		19	33	27.5	22	12	80	1
6252640	<b>K 30 20</b>	*	20	34	28.8	22	12	85	1
6252720	<b>K 30 21</b>	*	21	34	30.0	22	12	85	1
6252800	<b>K 30 22</b>	*	22	34	31.3	22	14	90	1
6252990	<b>K 30 23</b>	*	23	34	32.5	22	14	90	1
6254420	<b>K 30 24</b>	*	24	36	33.8	22	16	95	1

**1/4"****3/8"****TX K 30****IMPACT SOCKET 3/8" for protruding TORX® head screws**

- Suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 10, ISO 1174
- TORX® is a registered trademark of Acument Intellectual Properties, LLC. USA

**10****3/8"**

Code	No.	Ø	↳ mm	* mm	L	d <sub>1</sub>	d <sub>2</sub>	t	↺↻	⊞
6265030	<b>TX K 30 E5</b>	E5	M4	4.73	33	9.0	19	3.2	35	1
6265110	<b>TX K 30 E6</b>	E6	M5	5.74	33	10.0	19	4.0	35	1
6265380	<b>TX K 30 E7</b>	E7	M6	6.16	33	10.5	19	4.8	35	1
6265460	<b>TX K 30 E8</b>	E8	M6 - M7	7.52	33	11.8	19	5.6	35	1
6265540	<b>TX K 30 E10</b>	E10	M8	9.42	33	13.7	19	6.4	40	1
6265620	<b>TX K 30 E12</b>	E12	M10	11.17	33	15.5	19	8.0	40	1
6265700	<b>TX K 30 E14</b>	E14	M12	12.90	33	17.2	19	8.8	50	1

**KB 3019 - KB 3095****ACCESSORIES for impact sockets 3/8"**

- With square drive as per DIN 3121 - G 10, ISO 1174

**10****3/8"**

Code	No.	↳ mm	↺↻	⊞
6263410	<b>KB 3019</b> Impact converter 3/8" to 1/2"	36	70	1
6263250	<b>KB 3020</b> Impact reducer 3/8" to 1/4"	31	60	1
6261710	<b>KB 3090-3</b> Impact extension 3/8" 75 mm	75	120	1
6262010	<b>KB 3090-5</b> Impact extension 3/8" 125 mm	125	165	1
6262280	<b>KB 3090-10</b> Impact extension 3/8" 250 mm	250	286	1
6262440	<b>KB 3095</b> Impact universal joint 3/8"	42	110	1

**KB 3070 / KB 3075****SAFETY RING AND SAFETY PIN for impact sockets 3/8"****10****3/8"**

Code	No.	Description	Ø	↳ mm	↺↻	⊞
6260820	<b>KB 3070 6-12</b> for d2 = 19 mm, K 30 6-12 mm	Safety ring d 13 mm	13		5	1
6260900	<b>KB 3070 13-24</b> for d2 = 22 mm, K 30 13-24 mm	Safety ring d 16 mm	16		5	1
6261040	<b>KB 3075 6-12</b> for K 30 6-12 mm	Safety pin d 2.5 mm	2	14	5	1
6261120	<b>KB 3075 13-24</b> for K 30 13-24 mm	Safety pin d 2.5 mm	2	16	5	1



**12.5 MM (1/2") SQUARE DRIVE**

**K 19**

**IMPACT SOCKET 1/2"**

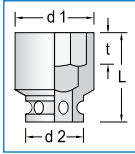
- DIN 3129, ISO 2725-2
- Suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 12.5, ISO 1174
- \* not standardised

12,5

1/2"



1/2"



Code	No.	*	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	±	⊖
6160280	<b>K 19 10</b>		10	35	17.5	25	6	100	10
6160360	<b>K 19 11</b>		11	35	18.5	25	7	100	5
6160440	<b>K 19 12</b>		12	35	20.0	25	7	100	5
6160520	<b>K 19 13</b>		13	35	21.0	25	8	100	10
6160600	<b>K 19 14</b>		14	35	22.5	25	8	100	5
6161680	<b>K 19 15</b>		15	35	23.5	30	9	100	10
6160790	<b>K 19 16</b>		16	35	25.0	30	9	100	10
6160870	<b>K 19 17</b>		17	35	26.0	30	10	140	10
6160950	<b>K 19 18</b>		18	35	27.5	30	10	120	10
6161090	<b>K 19 19</b>		19	35	28.5	30	12	140	10
6161170	<b>K 19 21</b>		21	38	31.0	30	12	130	10
6161250	<b>K 19 22</b>		22	38	32.5	30	14	150	10
6161330	<b>K 19 23</b>	*	23	39	34.0	30	14	150	10
6161410	<b>K 19 24</b>		24	39	35.0	30	16	150	10
6182680	<b>K 19 27</b>		27	40	39.0	30	17	160	10
1560557	<b>K 19 30</b>	*	30	49	42.5	30	20	260	1
1783742	<b>K 19 32</b>	*	32	49	45.0	30	21	270	1

Code	No.	Ø AF	L	d <sub>1</sub>	d <sub>2</sub>	t	±	⊖
6166990	<b>K 19 3/8AF</b>	3/8	35	17.0	25	6	80	1
6162300	<b>K 19 7/16AF</b>	7/16	35	19.0	25	7	80	1
6162650	<b>K 19 1/2AF</b>	1/2	35	21.0	25	7	80	1
6163030	<b>K 19 9/16AF</b>	9/16	35	23.0	25	8	80	1
6163460	<b>K 19 5/8AF</b>	5/8	35	25.0	30	9	100	1
6163700	<b>K 19 11/16AF</b>	11/16	35	27.0	30	10	120	1
6163970	<b>K 19 3/4AF</b>	3/4	35	29.0	30	12	130	1
6168420	<b>K 19 13/16AF</b>	13/16	38	31.0	30	13	130	1
6169820	<b>K 19 7/8AF</b>	7/8	38	33.0	30	14	140	1
6164190	<b>K 19 15/16AF</b>	15/16	39	35.0	30	15	150	1
6169900	<b>K 19 1AF</b>	1	39	37.0	30	16	160	1
6164350	<b>K 19 1.1/16AF</b>	1.1/16	40	38.5	30	17	160	1
6164510	<b>K 19 1.1/8AF</b>	1.1/8	40	40.5	30	18	170	1
6165240	<b>K 19 1.1/4AF</b>	1.1/4	49	45.0	30	20	180	1
6165320	<b>K 19 1.5/16AF</b>	1.5/16	49	47.0	30	20	200	1



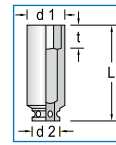
**K 19 L**

**IMPACT SOCKET 1/2" long pattern**

- Suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 12.5, ISO 1174

12,5

1/2"



Code	No.	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	±	⊖
6163110	<b>K 19 L 8</b>	8	77	15.3	25	12	140	5
6163380	<b>K 19 L 10</b>	10	77	17.8	25	12	150	10
6163540	<b>K 19 L 13</b>	13	77	21.5	25	13	200	10
6163620	<b>K 19 L 14</b>	14	77	22.8	25	13	180	5
6197790	<b>K 19 L 16</b>	16	77	24.0	30	14	225	5
6163890	<b>K 19 L 17</b>	17	77	26.5	30	15	300	10
6197870	<b>K 19 L 18</b>	18	82	27.8	30	15	265	5
6164000	<b>K 19 L 19</b>	19	82	29.0	30	17	300	10
6162730	<b>K 19 L 21</b>	21	82	31.5	30	17	260	5
6164270	<b>K 19 L 22</b>	22	82	32.8	30	19	350	10
6199810	<b>K 19 L 23</b>	23	82	34.0	30	19	300	1
6164430	<b>K 19 L 24</b>	24	82	35.3	30	21	340	10
6164780	<b>K 19 L 27</b>	27	82	39.0	30	22	480	5

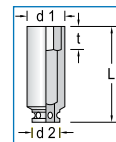
**K 19 LD**

**IMPACT SOCKET 1/2" for cars**

- Suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 12.5, ISO 1174
- For racing wheels, with a plastic insert to protect the wheel nuts
- Thin-walled to protect the alloy wheels

12,5

1/2"



Code	No.	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	±	⊖
6149120	<b>K 19 LD 17</b>	17	80	25.7	30	14	250	1
6149200	<b>K 19 LD 19</b>	19	80	28.2	30	16	280	1

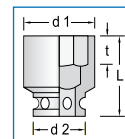
**KR 19**

**IMPACT SOCKET PKW 1/2"**

- Suitable for all standard electric and air tools
- Square drive as per DIN 3121 - G 12.5, ISO 1174

12,5

1/2"



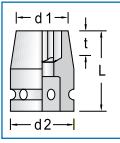
Code	No.	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	±	⊖
6162490	<b>KR 19 17</b>	17	45	30.0	30	11	135	1
6162570	<b>KR 19 19</b>	19	45	33.0	30	11	135	1



**TX K 19**

**IMPACT SOCKET 1/2" for protruding TORX® head screws**

- Suitable for all standard electric and air tools
- Square drive as per DIN 3121 G 12.5, ISO 1174
- TORX® is a registered trademark of Acument Intellectual Properties, LLC. USA

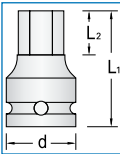


Code	No.	Ø	□	★ mm	L	d <sub>1</sub>	d <sub>2</sub>	t	↺	☒
6223110	<b>TX K 19 E10</b>	E10	M8	9.42	38	14.5	25	6.4	70	1
6223380	<b>TX K 19 E12</b>	E12	M10	11.17	38	16.5	25	8.0	72	1
6223460	<b>TX K 19 E14</b>	E14	M12	12.90	38	18.5	25	8.8	75	1
6223540	<b>TX K 19 E16</b>	E16	M12	14.76	38	20.5	25	9.6	75	1
6223620	<b>TX K 19 E18</b>	E18	M14	16.70	38	22.5	25	11.1	92	1
6223700	<b>TX K 19 E20</b>	E20	M16	18.45	40	25.0	30	12.7	105	1
6223890	<b>TX K 19 E24</b>	E24	M18 - M20	22.16	40	28.5	30	15.9	110	1

**IN K 19**

**IMPACT SOCKET 1/2" for in-hex screws**

- Suitable for all standard electric and air tools
- Square drive, Form H

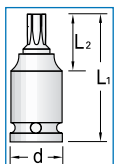


Code	No.	● mm	L <sub>1</sub>	L <sub>2</sub>	d	↺	☒
6223970	<b>IN K 19 5</b>	5	44	7.5	25	63	10
6224000	<b>IN K 19 6</b>	6	44	9.0	25	65	10
6224190	<b>IN K 19 8</b>	8	44	11.0	25	75	10
6224270	<b>IN K 19 10</b>	10	44	13.0	25	90	10
6224350	<b>IN K 19 12</b>	12	50	15.0	30	110	10
6225320	<b>IN K 19 14</b>	14	50	17.0	30	145	10
6225670	<b>IN K 19 17</b>	17	50	19.0	30	195	10

**ITX K 19**

**SCREWDRIVER BIT SOCKET 1/2" for recessed TORX® head screws**

- Square drive, Form H
- TORX® is a registered trademark of Acument Intellectual Properties, LLC. USA



Code	No.	★	□	★ mm	L <sub>1</sub>	L <sub>2</sub>	d	↺	☒
6197280	<b>ITX K 19 T30</b>	T30	M6 - M7	5.52	47	26	25	78	5
6197360	<b>ITX K 19 T40</b>	T40	M7 - M8	6.65	47	26	25	78	5
1603124	<b>ITX K 19 T45</b>	T45	M8 - M10	7.82	47	26	25	78	5
6197440	<b>ITX K 19 T50</b>	T50	M10	8.83	47	26	25	80	5
6197520	<b>ITX K 19 T55</b>	T55	M12	11.22	47	26	25	84	5
6197600	<b>ITX K 19 T60</b>	T60	M14	13.25	47	26	25	87	5

**KB 1930 - KB 1995**

**ACCESSORIES for impact sockets 1/2"**

- With square drive as per DIN 3121 - G 12.5, Form F, G, and H



Code	No.	↺ mm	↺	☒
6650370	<b>KB 1930</b> Reducer 1/2" to 3/8"	44.0	95	1
6650020	<b>KB 1932</b> Converter 1/2" to 3/4"	44.0	110	1
6655250	<b>KB 1990-5</b> Impact extension 1/2" 125 mm	125.0	225	1
6650100	<b>KB 1990-10</b> Impact extension 1/2" 250 mm	250.0	500	1
6655410	<b>KB 1995</b> Impact universal joint 1/2"	75.5	170	1
6524150	<b>KB 619</b> Adaptor for bits 1/4" hex - 1/2" square	35.0	65	10
6563480	<b>KB 819</b> Adaptor for bits 5/16" hex - 1/2" square	35.0	65	5

**KB 1970 - KB 1975**

**SAFETY RING AND SAFETY PIN for impact sockets 1/2"**



Code	No.	Description	Ø	↺ mm	↺	☒
6654790	<b>KB 1970 10-14</b> for d <sub>2</sub> = 25 mm, K 19 10-14 and 3/8-9/16"	Safety ring d 19 mm	19		2	10
6654870	<b>KB 1970 15-27</b> for d <sub>2</sub> = 30 mm, K 19 15-32 and 5/8-1.5/16"	Safety ring d 24 mm	24		2	10
6654950	<b>KB 1975 10-14</b> for K 19 10-14 and 3/8-9/16"	Safety pin d 3 mm	3	20	2	10
6655090	<b>KB 1975 15-27</b> for K 19 15-32 and 5/8-1.5/16"	Safety pin d 3 mm	3	25	4	10

**K 19-028**

**IMPACT SOCKET SET 1/2" FOR CARS 5 pieces**

- 5 power-operated sockets, suitable for all standard electric and air wrenches
- Square drive as per DIN 3121 - G 12.5, ISO 1174
- In plastic case



Code	No.	↺	☒
1646923	<b>K 19-028</b> Ø 10 13 17 19 24	730	1

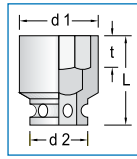


**20 MM (3/4") SQUARE DRIVE**

**K 32**

**IMPACT SOCKET 3/4"**

- ▶ DIN 3129, ISO 2725-2
- ▶ Suitable for all standard electric and air tools
- ▶ Square drive as per DIN 3121 - H 20, ISO 1174
- ▶ \* not standardised



20  
3/4"



3/4"

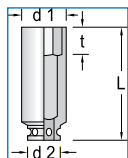
Code	No.	*	Ømm	L	d <sub>1</sub>	d <sub>2</sub>	t	±	⊞
6282040	<b>K 32 17</b>		17	50	30.0	44	10.0	330	1
6289990	<b>K 32 18</b>		18	50	31.0	44	11.0	320	1
6282120	<b>K 32 19</b>		19	50	32.5	44	12.0	350	1
6282200	<b>K 32 22</b>		22	50	36.0	44	14.0	380	1
6282390	<b>K 32 24</b>		24	50	39.0	44	16.0	400	1
6282470	<b>K 32 27</b>		27	53	42.5	44	18.0	410	1
6282550	<b>K 32 30</b>		30	53	46.0	44	20.0	430	1
6282630	<b>K 32 32</b>		32	56	49.0	44	20.0	450	1
6283010	<b>K 32 33 (3/4W)</b>	*	33	56	50.0	44	20.0	480	1
6281580	<b>K 32 34</b>		34	56	51.0	44	23.0	440	1
6282710	<b>K 32 36</b>		36	56	54.0	44	23.0	500	1
6281740	<b>K 32 38</b>	*	38	56	56.0	44	23.0	480	1
6282980	<b>K 32 41</b>		41	57	60.0	44	25.0	650	1

Code	No.	ØFAF	L	d <sub>1</sub>	d <sub>2</sub>	t	±	⊞
6285300	<b>K 32 13/16AF</b>	13/16	50	34	44	14.0	370	1
6284410	<b>K 32 7/8AF</b>	7/8	50	36	44	16.0	380	1
6284680	<b>K 32 15/16AF</b>	15/16	50	38	44	16.0	400	1
6285490	<b>K 32 1AF</b>	1	50	40	44	16.0	395	1
6285650	<b>K 32 1.1/16AF</b>	1.1/16	53	42	44	18.0	410	1
6284760	<b>K 32 1.1/8AF</b>	1.1/8	53	44	44	20.0	430	1
6284840	<b>K 32 1.1/4AF</b>	1.1/4	56	48	44	20.0	450	1
6284920	<b>K 32 1.5/16AF</b>	1.5/16	56	50	44	23.0	480	1
6285730	<b>K 32 1.3/8AF</b>	1.3/8	56	52	44	23.0	500	1
6285060	<b>K 32 1.7/16AF</b>	1.7/16	56	54	44	23.0	510	1
6285140	<b>K 32 1.1/2AF</b>	1.1/2	56	56	44	25.0	580	1
6285810	<b>K 32 1.5/8AF</b>	1.5/8	57	60	44	25.0	650	1
6286030	<b>K 32 1.11/16AF</b>	1.11/16	57	62	44	29.0	720	1
6286110	<b>K 32 1.3/4AF</b>	1.3/4	57	64	44	29.0	850	1
6286380	<b>K 32 1.7/8AF</b>	1.7/8	62	68	54	31.0	950	1
6286460	<b>K 32 2AF</b>	2	65	70	54	31.0	1100	1

**K 32 L**

**IMPACT SOCKET 3/4" long pattern**

- ▶ Suitable for all standard electric and air tools
- ▶ Square drive as per DIN 3121 H 20, ISO 1174



20  
3/4"

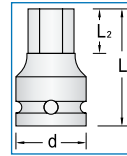
Code	No.	Ømm	L	d <sub>1</sub>	d <sub>2</sub>	t	±	⊞
6283600	<b>K 32 L 17</b>	17	100	30.0	44	15.0	580	1
6283790	<b>K 32 L 19</b>	19	100	32.5	44	17.0	650	1
6286700	<b>K 32 L 21</b>	21	100	35.0	44	19.0	700	1
6283870	<b>K 32 L 22</b>	22	100	36.0	44	19.0	700	1
6283950	<b>K 32 L 24</b>	24	100	39.0	44	21.0	740	1
6284090	<b>K 32 L 27</b>	27	100	42.5	44	23.0	760	1
6284170	<b>K 32 L 30</b>	30	100	46.0	44	25.0	890	1
6284250	<b>K 32 L 32</b>	32	100	49.0	44	25.0	965	1
6286540	<b>K 32 L 33 (3/4W)</b>	33	100	50.0	44	25.0	780	1
6281660	<b>K 32 L 34</b>	34	100	51.0	44	28.0	840	1
6284330	<b>K 32 L 36</b>	36	100	54.0	44	28.0	1200	1
6286890	<b>K 32 L 41</b>	41	100	60.0	44	30.0	1200	1

**IN K 32**

**IMPACT SOCKET 3/4" for in-hex screws**

- ▶ Suitable for all standard electric and air tools
- ▶ Square drive

20  
3/4"



Code	No.	Ømm	L <sub>1</sub>	L <sub>2</sub>	d	±	⊞
1956477	<b>IN K 32 14</b>	14	65	17	44	440	1
1956485	<b>IN K 32 17</b>	17	65	19	44	495	1
1956493	<b>IN K 32 19</b>	19	65	21	44	530	1
1956507	<b>IN K 32 22</b>	22	65	24	44	590	1
1956515	<b>IN K 32 24</b>	24	65	26	44	630	1
1956523	<b>IN K 32 27</b>	27	65	28	44	695	1

**KB 3219 - KB 3275**

**ACCESSORIES for impact sockets 3/4"**

- ▶ With square drive as per DIN 3121, ISO 1174, Form F and H

20  
3/4"



Code	No.	Ø	±mm	±	⊞
6675280	<b>KB 3219</b> Impact reducer 3/4" to 1/2"		65	320	1
6671530	<b>KB 3221</b> Impact convertor 3/4" to 1"		65	410	1
6675600	<b>KB 3290-8</b> Impact extension 3/4" 205 mm		205	710	1
6675790	<b>KB 3290-12</b> Impact extension 3/4" 300 mm		300	1000	1
6675870	<b>KB 3290-16</b> Impact extension 3/4" 405 mm		405	1250	1
6676090	<b>KB 3295</b> Impact universal joint 3/4"		108	580	1
6675360	<b>KB 3270</b> Safety ring d 36 mm	36		5	1
6675440	<b>KB 3275</b> Safety pin d 4 mm	4	35	8	1

**K 32-040**

**IMPACT SOCKET SET 3/4" FOR TRUCKS 4 pieces**

- ▶ 4 sockets, suitable for all standard electric and air tools
- ▶ Square drive as per DIN 3121 H 20, ISO 1174
- ▶ In plastic case

20  
3/4"



Code	No.	±	⊞
1828142	<b>K 32-040</b> Ø 24 27 30 33	1630	1



## 25 MM (1") SQUARE DRIVE

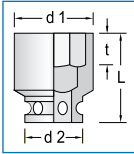
### K 21

#### IMPACT SOCKET 1"

- DIN 3129, ISO 2725-2
- Suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 25, ISO 1174
- Use KB 3770 and KB 3775 from 75 mm and up
- \* not standardised

25

1"



Code	No.	*	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	⚙️	📦
6183060	<b>K 21 22</b>		22	59	39.5	54	14.0	600	1
6183140	<b>K 21 24</b>		24	59	42.0	54	16.0	600	1
6183220	<b>K 21 27</b>		27	59	46.0	54	18.0	650	1
6183300	<b>K 21 30</b>		30	61	49.5	54	20.0	700	1
6183490	<b>K 21 32</b>		32	61	52.0	54	20.0	750	1
6183650	<b>K 21 33</b>	*	33	61	53.0	54	20.0	750	1
6196980	<b>K 21 34</b>		34	61	54.0	54	20.0	640	1
6183570	<b>K 21 36</b>		36	64	57.0	54	23.0	800	1
6184890	<b>K 21 38</b>	*	38	64	59.5	54	23.0	825	1
6183730	<b>K 21 41</b>		41	68	63.0	54	25.0	850	1
6184970	<b>K 21 42</b>	*	42	68	63.0	54	25.0	950	1
6183810	<b>K 21 46</b>		46	74	69.5	54	29.0	1100	1
6184030	<b>K 21 50</b>		50	78	74.0	54	31.0	1250	1
6184110	<b>K 21 55</b>		55	85	81.0	54	34.0	1350	1
6184380	<b>K 21 60</b>		60	85	87.0	54	36.0	1450	1
6184460	<b>K 21 65</b>		65	90	93.0	54	38.0	1850	1
6184540	<b>K 21 70</b>		70	92	99.5	54	38.0	2000	1
6184620	<b>K 21 75</b>	*	75	98	106.0	86	40.0	2350	1
6184700	<b>K 21 80</b>	*	80	105	112.0	86	46.0	2700	1

Code	No.	Ø AF	L	d <sub>1</sub>	d <sub>2</sub>	t	⚙️	📦
6186320	<b>K 21 1AF</b>	1	59	44	54	18.0	650	1
6186400	<b>K 21 1.1/4AF</b>	1.1/4	61	52	54	20.0	750	1
6186590	<b>K 21 1.7/16AF</b>	1.7/16	64	58	54	23.0	800	1
6186750	<b>K 21 1.1/2AF</b>	1.1/2	64	60	54	25.0	850	1
6186670	<b>K 21 1.5/8AF</b>	1.5/8	68	64	54	25.0	850	1
6186830	<b>K 21 1.13/16AF</b>	1.13/16	74	70	54	29.0	1100	1
6186910	<b>K 21 1.7/8AF</b>	1.7/8	74	72	54	31.0	1150	1
6187050	<b>K 21 2.1/4AF</b>	2.1/4	85	84	54	36.0	1350	1

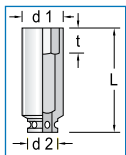
### K 21 L

#### IMPACT SOCKET 1" long pattern

- Suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 25, ISO 1174

25

1"



Code	No.	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	⚙️	📦
6185350	<b>K 21 L 22</b>	22	100	39.5	54	19.0	1000	1
6185430	<b>K 21 L 24</b>	24	100	42.0	54	21.0	1080	1
6185510	<b>K 21 L 27</b>	27	100	46.0	54	23.0	1100	1
6185780	<b>K 21 L 30</b>	30	100	49.5	54	25.0	1200	1
6185860	<b>K 21 L 32</b>	32	100	52.0	54	25.0	1250	1
6197950	<b>K 21 L 33</b>	33	100	53.0	54	25.0	1100	1
6197010	<b>K 21 L 34</b>	34	100	54.0	54	28.0	1000	1
6185940	<b>K 21 L 36</b>	36	100	57.0	54	28.0	1500	1
6186080	<b>K 21 L 38</b>	38	100	59.5	54	28.0	1580	1
6186160	<b>K 21 L 41</b>	41	100	63.0	54	30.0	1710	1
6186240	<b>K 21 L 46</b>	46	100	69.5	54	34.0	1750	1

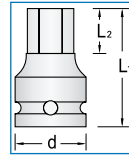
### IN K 21

#### IMPACT SOCKET 1" for in-hex screws

- Suitable for all standard electric and air tools
- Square drive

25

1"



Code	No.	Ø mm	L <sub>1</sub>	L <sub>2</sub>	d	⚙️	📦
1956558	<b>IN K 21 19</b>	19	75	21	54	825	1
1956566	<b>IN K 21 22</b>	22	75	24	54	885	1
1956574	<b>IN K 21 24</b>	24	75	26	54	920	1
1956582	<b>IN K 21 27</b>	27	75	28	54	980	1
1956590	<b>IN K 21 32</b>	32	75	32	54	1125	1
1956604	<b>IN K 21 36</b>	36	75	33	54	1245	1



### KB 2132 - KB 2195

#### ACCESSORIES for impact sockets 1"

- Square drive as per DIN 3121, ISO 1174, Form F and H
- Use KB 3770 and KB 3775 for 75 and 80 mm

25

1"



Code	No.	Ø (mm)	⚙️	📦
6657460	<b>KB 2132</b> Impact reducer 1" to 3/4"	75	350	1
6657890	<b>KB 2137</b> Impact convertor 1" to 1.1/2"	82	1000	1
6657620	<b>KB 2170</b> Safety ring d 45 mm	45	8	10
6657700	<b>KB 2175</b> Safety pin d 5 mm	5	45	10
6657970	<b>KB 2190-8</b> Impact extension 1" 208 mm	208	1250	1
6658000	<b>KB 2190-12</b> Impact extension 1" 300 mm	300	1600	1
6658190	<b>KB 2190-16</b> Impact extension 1" 405 mm	405	2000	1
6658350	<b>KB 2195</b> Impact universal joint 1"	140	1400	1
6676760	<b>KB 3770</b> Safety ring d 75 mm	75	15	1
6676840	<b>KB 3775</b> Safety pin d 6 mm	6	75	16



**40 MM (1.1/2") SQUARE DRIVE**

**K 37**

**IMPACT SOCKET 1.1/2"**

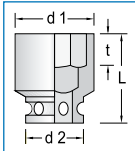
- ▶ DIN 3129, ISO 2725-2
- ▶ Suitable for all standard electric and air tools
- ▶ Square drive as per DIN 3121 - H 40, ISO 1174
- ▶ Use KB 6470 and KB 6475 from 95 mm and up
- ▶ \* not standardised

40

1 1/2



1 1/2



Code	No.	*	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	±0.05	±0.05
6328130	<b>K 37 46</b>		46	83	76	86	29.0	2700	1
6328210	<b>K 37 50</b>	*	50	86	80	86	31.0	2850	1
6328480	<b>K 37 55</b>		55	89	89	86	34.0	2930	1
6328560	<b>K 37 60</b>		60	93	93	86	36.0	3000	1
6328640	<b>K 37 65</b>		65	98	99	86	38.0	3050	1
6328720	<b>K 37 70</b>		70	103	106	86	42.0	3600	1
6328800	<b>K 37 75</b>		75	108	112	86	44.0	3650	1
6328990	<b>K 37 80</b>		80	114	118	86	46.0	4150	1
6329020	<b>K 37 85</b>		85	120	125	86	51.0	4500	1
6329100	<b>K 37 90</b>		90	120	131	86	51.0	5400	1
6329290	<b>K 37 95</b>	*	95	125	137	127	54.0	5800	1
6329370	<b>K 37 100</b>	*	100	130	143	127	57.0	6450	1
6329450	<b>K 37 105</b>	*	105	135	150	127	61.0	6800	1
6329530	<b>K 37 110</b>	*	110	140	156	127	64.0	7150	1
6329610	<b>K 37 115</b>	*	115	145	162	127	67.0	8100	1
6329880	<b>K 37 120</b>	*	120	150	169	127	71.0	9100	1



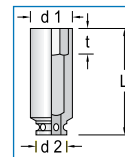
**K 37 L**

**IMPACT SOCKET 1.1/2" long pattern**

- ▶ Suitable for all standard electric and air tools
- ▶ Square drive as per DIN 3121 H 40, ISO 1174
- ▶ Use KB 6470 and KB 6475 from 95 mm and up

40

1 1/2



Code	No.	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	±0.05	±0.05
6330110	<b>K 37 L 41</b>	41	135	69	86	30.0	2650	1
6330380	<b>K 37 L 46</b>	46	135	76	86	34.0	3000	1
6330460	<b>K 37 L 50</b>	50	135	80	86	36.0	3800	1
6330540	<b>K 37 L 55</b>	55	140	87	86	39.0	4290	1
6330620	<b>K 37 L 60</b>	60	140	93	86	41.0	4700	1
6330700	<b>K 37 L 65</b>	65	140	99	86	43.0	5700	1
6330890	<b>K 37 L 70</b>	70	140	106	86	47.0	6900	1
6330970	<b>K 37 L 75</b>	75	145	112	86	49.0	8150	1
6331000	<b>K 37 L 80</b>	80	145	118	86	51.0	9200	1
6331190	<b>K 37 L 85</b>	85	145	125	86	56.0	10000	1
6331270	<b>K 37 L 90</b>	90	145	131	86	56.0	11300	1
6331350	<b>K 37 L 95</b>	95	150	137	127	59.0	12750	1
6331430	<b>K 37 L 100</b>	100	155	143	127	62.0	14350	1
6331510	<b>K 37 L 105</b>	105	160	150	127	66.0	15700	1
6331780	<b>K 37 L 110</b>	110	165	156	127	69.0	17400	1
6331860	<b>K 37 L 115</b>	115	170	162	127	72.0	18800	1
6331940	<b>K 37 L 120</b>	120	175	169	127	76.0	19900	1

**KB 3721 - KB 3775**

**ACCESSORIES for impact sockets 1.1/2"**

- ▶ 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

40

1 1/2

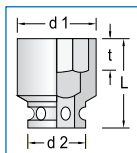


Code	No.	Ø	±mm	±0.05	±0.05
6676410	<b>KB 3721</b> Impact reducer 1.1/2" to 1"	86	95	2300	1
1531220	<b>KB 3764</b> Impact converter 1.1/2" to 2.1/2"	86	110	2500	1
6676760	<b>KB 3770</b> Safety ring d 75 mm	75		15	1
6676840	<b>KB 3775</b> Safety pin d 6 mm	6	75	16	1



**63 MM (2.1/2") SQUARE DRIVE****K 64****IMPACT SOCKET 2.1/2"**

- DIN 3129, ISO 2725-2
- Suitable for all standard electric and air tools
- Square drive as per DIN 3121 - H 63, ISO 1174
- \* not standardised

**63****2 1/2**

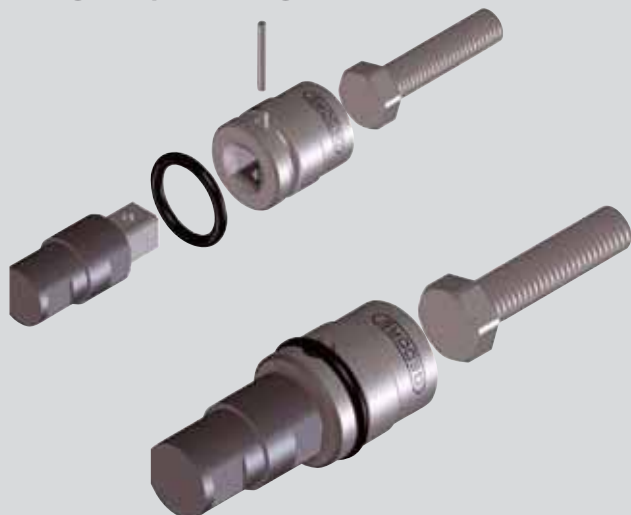
Code	No.	*	Ø mm	L	d <sub>1</sub>	d <sub>2</sub>	t	±0.05	±0.1
6371300	<b>K 64 75</b>		75	135	118	127	44	7600	1
6371490	<b>K 64 80</b>		80	135	124	127	46	7350	1
6371570	<b>K 64 85</b>		85	140	130	127	51	7000	1
6371650	<b>K 64 90</b>		90	140	136	127	51	7600	1
6371730	<b>K 64 95</b>		95	145	143	127	54	8000	1
6371810	<b>K 64 100</b>		100	150	149	127	57	9000	1
6372030	<b>K 64 105</b>		105	155	155	127	61	10000	1
6372110	<b>K 64 110</b>		110	160	161	127	64	11000	1
6372380	<b>K 64 115</b>		115	165	167	127	67	11500	1
6372460	<b>K 64 120</b>	*	120	170	174	127	71	12000	1

**KB 6437 - KB 6475****ACCESSORIES for impact sockets 2.1/2"**

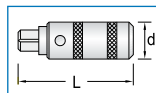
- Square drive as per DIN 3121, ISO 1174, Form F and H
- Use KB 3770 and KB 3775 up to 90 mm
- Use KB 6470 and KB 6475 from 95 mm and up

**63****2 1/2****40****1 1/2**

Code	No.	Ø	±mm	±0.1	±0.1
6699700	<b>KB 6437</b> Impact reducer 2.1/2" to 1.1/2"		145	7400	1
6699890	<b>KB 6470</b> Safety ring d 114 mm	114		40	1
6699970	<b>KB 6475</b> Safety pin d 8 mm	8	110	40	1

**Securing with pin and ring****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

**12.5****1/2**

Code	No.	■	L	Ø-d	±0.1	±0.1
6654440	<b>K 1900</b>	1/2	123	34	510	1



Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)

**K 1900-013****HAND-OPERATED IMPACT DRIVER SET 1/2"**

- Complete with the most frequently used screwdriving bits, for use with the most common slotted head, cross-head and hexagon socket head screws
- Reversible for right and left hand operation
- In GEDORIT blue sheet steel case with black plastic insert, dimensions: 281 x 79 x 42 mm

**12.5****1/2****8****5/16****1/4****3/8****1/2**

Code	No.	±0.1	±0.1
6654600	<b>K 1900-013</b> ● 880 7 8 9 12 ● 885 5 6 8 10 ⊕ 890 2 3 4L <b>KB 819</b> <b>K 1900</b>	1220	1



**BIT RANGE**

**4 MM HEXAGON SQUARE DRIVE**

- For precision work on small components (e.g. clocks, electronics, model making...)
- Mirror-polished for improved corrosion protection
- Vanadium Plus material for safe, reliable application of force to the small effective zones of the miniature screws



4

**480 - 490**

**MINIBITS**

- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	for	↳mm↳	↳
1801465	<b>480 0,8</b>	⊖	20	1
1801473	<b>480 1,2</b>	⊖	20	1
1801481	<b>480 1,5</b>	⊖	20	1
1801503	<b>480 1,8</b>	⊖	20	1
1801511	<b>480 2</b>	⊖	20	1
1801538	<b>480 2,5</b>	⊖	20	1
1801546	<b>480 3</b>	⊖	20	1
1801554	<b>485 0,7</b>	⊙	20	1
1801562	<b>485 0,9</b>	⊙	20	1
1801570	<b>485 1,3</b>	⊙	20	1
1801589	<b>485 1,5</b>	⊙	20	1
1801597	<b>485 2</b>	⊙	20	1
1801600	<b>485 2,5</b>	⊙	20	1
1801619	<b>485 3</b>	⊙	20	1
1801627	<b>485 B 2</b>	⊙	20	1
1801635	<b>485 B 2,5</b>	⊙	20	1
1801643	<b>485 B 3</b>	⊙	20	1
1801805	<b>490 PH 000</b>	⊕	20	1
1801813	<b>490 PH 00</b>	⊕	20	1
1801821	<b>490 PH 0</b>	⊕	20	1
1801848	<b>490 PZD 000</b>	⊕	20	1
1801856	<b>490 PZD 00</b>	⊕	20	1
1801864	<b>490 PZD 0</b>	⊕	20	1
1801651	<b>487 TX T3</b>	⊗	20	1
1801678	<b>487 TX T4</b>	⊗	20	1
1801686	<b>487 TX T5</b>	⊗	20	1
1801694	<b>487 TX T6</b>	⊗	20	1
1801708	<b>487 TX T7</b>	⊗	20	1
1801716	<b>487 TX T8</b>	⊗	20	1
1801724	<b>487 TX T9</b>	⊗	20	1
1801732	<b>487 TX T10</b>	⊗	20	1
1801740	<b>487 TX T15</b>	⊗	20	1
1801759	<b>488 TX T7</b>	⊗	20	1
1801767	<b>488 TX T8</b>	⊗	20	1
1801775	<b>488 TX T9</b>	⊗	20	1
1801783	<b>488 TX T10</b>	⊗	20	1
1801791	<b>488 TX T15</b>	⊗	20	1

Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)



**499**

**BIT EXTENSION**

- With magnetic holder



Code	No.	↳mm↳	↳
1801414	<b>499</b>	9	1
Bit extension 4 mm hex			
1801422	<b>499 F</b>	22	1
Bit extension flexible 4 mm hex			

**471**

**BIT RATCHET**

- 1/4" recess - or 4 mm recess when used in conjunction with no. 420



Code	No.	↳mm↳	↳	↳
1801341	<b>471</b>	90	23	1

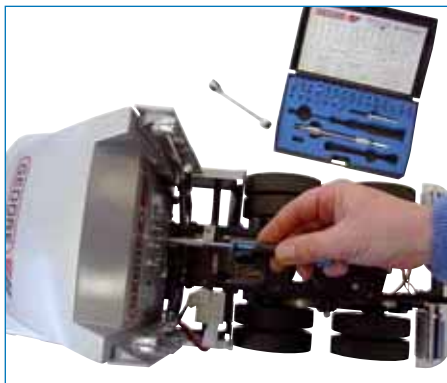
**470**

**BIT SCREWDRIVER**

- 2-component handle
- Fast turning zone and fast turning cap
- With magnetic holder



Code	No.	↳mm↳	↳	↳
1801368	<b>470</b>	142	24	1



**420**

**BIT ADAPTOR**

- For bit ratchet no. 471
- With magnetic holder



Code	No.	⊖	⊙	⊗	↳	↳
1801457	<b>420</b>	4	6,3	1/4	1	1

**471-044**

**MINIBIT-SET 44 pieces**

- In plastic case
- Dimensions: 160 x 95 x 38 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	↳mm↳	↳
1811134	<b>471-044</b>	242	1

- 471**
- ⊖ 480 0,8 1,2 1,5 1,8 2 3
  - ⊙ 485 0,7 0,9 1,3 1,5 2 2,5
  - ⊕ 490 PH 000 00 0
  - ⊕ 490 PZD 000 00 0
  - ⊗ 487 TX T3 T4 T5 T6 T7 T8 T9 T10 T15
  - ⊖ 680 4 4,5 5,5
  - ⊙ 685 3 4 ⊕ 690 1 2
  - ⊕ 690 PZD 1 2
  - ⊗ 687 TX T20 T25 T27 T30
  - 420 499 699**

**471-042**

**MINIBIT SET 42 pieces**

- For electronics engineers, mechanics, model makers, etc.
- With 1/4" reversible ratchet and 1/4" to 4 mm bit adaptor, for use with 4 mm minibits
- In plastic case
- Dimensions: 160 x 95 x 38 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	↳mm↳	↳
1801333	<b>471-042</b>	250	1

- 471**
- ⊖ 480 0,8 1,2 1,5 1,8 2 2,5 3
  - ⊙ 485 0,7 0,9 1,3 1,5 2 2,5 3
  - ⊙ 485 B 2 2,5 3
  - ⊕ 490 PH 000 00 0
  - ⊕ 490 PZD 000 00 0
  - ⊗ 487 TX T3 T4 T5 T6 T7 T8 T9 T10 T15
  - ⊗ 488 TX T7 T8 T9 T10 T15
  - 420 470 499 499 F**







### 471-023

#### MINIBIT SET 23 pieces

- For electronics engineers, mechanics, model makers, etc.
- With 1/4" reversible ratchet and 1/4" to 4 mm bit adaptor, for use with 4 mm minibits
- In plastic case
- Dimensions: 110 x 65 x 31 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	↕	📦
1801325	<b>471-023</b>	113	1
	<b>471</b>		
	⊖ 480 0,8 1,2 1,5 1,8		
	⊕ 485 0,7 0,9 1,3 1,5		
	⊕ 490 PH 000 00 0		
	⊕ 490 PZD 000 00 0		
	⊕ 487 TX T3 T4 T5 T6 T7 T8		
	<b>420 499</b>		

### 103

#### D 20 FMU-20 Set for precision mechanics 1/4" + 4 mm



## 6.3 MM (1/4") HEXAGON SQUARE DRIVE

### SCREWDRIVER BITS 6.3 MM (1/4")

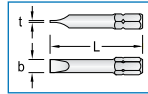
📦 10 / 📦 5 =

Sales unit 10 / 5 pieces each

### 680

#### SCREWDRIVER BIT 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

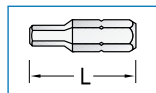


Code	No.	b	t	L	↕	📦
6537640	<b>680 4</b>	4.0	0.5	25	7	10
6537720	<b>680 4,5</b>	4.5	0.6	25	7	10
6537800	<b>680 5,5</b>	5.5	0.8	25	8	10
6537990	<b>680 6,5</b>	6.5	1.2	25	9	10
6538020	<b>680 7</b>	7.0	1.2	25	9	10
6538100	<b>680 8</b>	8.0	1.6	25	14	10
6538290	<b>680 10</b>	10.0	1.6	39	16	5

### 685

#### SCREWDRIVER BIT 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



Code	No.	● mm	ISO 4762	DIN 7984	L	↕	📦
1802399	<b>685 2</b>	2.0	M2	M2	25	5	10
6538880	<b>685 2,5</b>	2.5	M3	M4	25	5	10
6538960	<b>685 3</b>	3.0	M4	M5	25	5	10
6539180	<b>685 4</b>	4.0	M5	M6	25	6	10
6539260	<b>685 5</b>	5.0	M6	M8	25	7	10
6539340	<b>685 6</b>	6.0	M8	M10	25	8	10
6539420	<b>685 8</b>	8.0	M10	M12	33	12	10
6539500	<b>685 10</b>	10.0	M12	M14	33	15	5

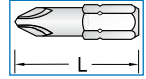


### 690

#### SCREWDRIVER BIT

##### for cross-slotted 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



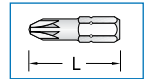
Code	No.	⊕ PH	L	↕	📦
1803514	<b>690 0</b>	0	25	5	10
6541240	<b>690 1</b>	1	25	5	10
1828150	<b>690 1 L</b>	1	50	9	10
6541320	<b>690 2</b>	2	25	5	10
6541400	<b>690 2 L</b>	2	50	10	10
6541590	<b>690 3</b>	3	25	5	10
6541670	<b>690 3 L</b>	3	50	8	10
6541750	<b>690 4</b>	4	32	15	10

### 690 PZD

#### SCREWDRIVER BIT

##### for cross-slotted head screws 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



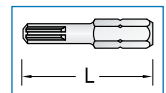
Code	No.	⊕ PZ	L	↕	📦
6552790	<b>690 PZD 1</b>	1	25	5	10
1827022	<b>690 PZD 1 L</b>	1	50	9	10
6552870	<b>690 PZD 2</b>	2	25	5	10
6552950	<b>690 PZD 2 L</b>	2	50	10	10
6553090	<b>690 PZD 3</b>	3	25	5	10
6553170	<b>690 PZD 3 L</b>	3	50	8	10
6553680	<b>690 PZD 4</b>	4	32	15	10

### 686

#### SCREWDRIVER BIT

##### 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
- RIBE® is a registered trademark of Rich. Bergner



Code	No.	⊕ M	L	↕	📦
6540510	<b>686 4</b>	M4	33	5	10
6540780	<b>686 5</b>	M5	33	5	10
6540860	<b>686 6</b>	M6	33	8	10
6540940	<b>686 8</b>	M8	33	10	10

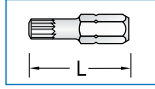


**685 X**

**SCREWDRIVER BIT**

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



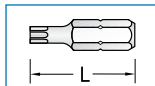
Code	No.	ISO 4762	mm	L	ISO 4762	ISO 4762
6540000	<b>685 X 5</b>	M5	25	5	10	
6540190	<b>685 X 6</b>	M6	25	5	10	
6540270	<b>685 X 8</b>	M8	25	8	10	

**687 TX**

**SCREWDRIVER BIT**

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
- TORX® is a registered trademark of Acument Intellectual Properties, LLC. USA



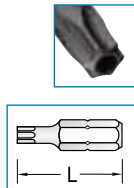
Code	No.	ISO 4762	mm	L	ISO 4762	ISO 4762
6541830	<b>687 TX T6</b>	M2	1.70	25	5	10
6541910	<b>687 TX T7</b>	M2,5	1.99	25	5	10
6542050	<b>687 TX T8</b>	M2,5	2.31	25	5	10
6542130	<b>687 TX T9</b>	M3	2.50	25	5	10
6542210	<b>687 TX T10</b>	M3 - M3,5	2.74	25	5	10
6542480	<b>687 TX T15</b>	M3,5 - M4	3.27	25	5	10
6542560	<b>687 TX T20</b>	M4 - M5	3.86	25	5	10
6542640	<b>687 TX T25</b>	M4,5 - M5	4.43	25	5	10
6542720	<b>687 TX T27</b>	M4,5 - M6	4.99	25	6	10
6542800	<b>687 TX T30</b>	M6 - M7	5.52	25	6	10
6542990	<b>687 TX T40</b>	M7 - M8	6.65	25	6	10

**688 TX**

**SCREWDRIVER BIT**

for recessed TORX® head screws with pilot

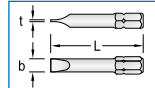
- For hand operation and use in electric and air tools
- Hexagon drive as per DIN 3126 - C 6.3 (1/4")
- GEDORE special vanadium steel, gun-metal finish
- TORX® is a registered trademark of Acument Intellectual Properties, LLC. USA



Code	No.	ISO 4762	mm	L	ISO 4762	ISO 4762
6535510	<b>688 TX T10</b>	M3 - M3,5	2.74	25	5	10
6535780	<b>688 TX T15</b>	M3,5 - M4	3.27	25	5	10
6535860	<b>688 TX T20</b>	M4 - M5	3.86	25	5	10
6535940	<b>688 TX T25</b>	M4,5 - M5	4.43	25	5	10
6536080	<b>688 TX T27</b>	M4,5 - M6	4.99	25	6	10
6536160	<b>688 TX T30</b>	M6 - M7	5.52	25	6	10
6536240	<b>688 TX T40</b>	M7 - M8	6.65	25	6	10

**TIN SCREWDRIVER BITS 6.3 MM (1/4")**

- Made from high-quality materials with high-strength; double titanium nitride surface coating
- High degree of wear resistance, preventing damage to screw heads and ensuring long life of the bit
- ☒ = Sales unit 5 pieces each



Code	No.	b	t	L	ISO 4762	ISO 4762
1828320	<b>TIN 680 4</b>	4.0	0.5	25	7	5
1828339	<b>TIN 680 5,5</b>	5.5	0.8	25	8	5
1828347	<b>TIN 680 6,5</b>	6.5	1.2	25	9	5
1828355	<b>TIN 680 8</b>	8.0	1.6	25	14	5

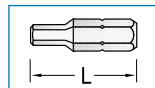


**TIN 685**

**SCREWDRIVER BIT**

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")



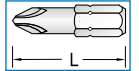
Code	No.	mm	ISO 4762	DIN 9984	L	ISO 4762	ISO 4762
1828363	<b>TIN 685 2</b>	2.0	M2	M2	25	5	5
1828371	<b>TIN 685 2,5</b>	2.5	M3	M4	25	5	5
1828398	<b>TIN 685 3</b>	3.0	M4	M5	25	5	5
1828401	<b>TIN 685 4</b>	4.0	M5	M6	25	6	5
1828428	<b>TIN 685 5</b>	5.0	M6	M8	25	7	5
1828436	<b>TIN 685 6</b>	6.0	M8	M10	25	8	5
1828444	<b>TIN 685 8</b>	8.0	M10	M12	33	12	5
1828452	<b>TIN 685 10</b>	10.0	M12	M14	33	15	5

**TIN 690**

**SCREWDRIVER BIT**

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")



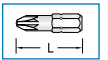
Code	No.	PH	L	ISO 4762	ISO 4762
1828533	<b>TIN 690 1</b>	1	25	5	5
1828541	<b>TIN 690 1 L</b>	1	50	9	5
1828568	<b>TIN 690 2</b>	2	25	5	5
1828576	<b>TIN 690 2 L</b>	2	50	10	5
1828584	<b>TIN 690 3</b>	3	25	5	5
1828592	<b>TIN 690 3 L</b>	3	50	11	5

**TIN 690 PZD**

**SCREWDRIVER BIT**

for cross-head screws 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")



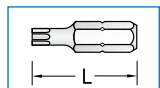
Code	No.	PZ	L	ISO 4762	ISO 4762
1828606	<b>TIN 690 PZD 1</b>	1	25	5	5
1828614	<b>TIN 690 PZD 1 L</b>	1	50	9	5
1828622	<b>TIN 690 PZD 2</b>	2	25	10	5
1828630	<b>TIN 690 PZD 2 L</b>	2	50	5	5
1828649	<b>TIN 690 PZD 3</b>	3	25	11	5
1828657	<b>TIN 690 PZD 3 L</b>	3	50	11	5

**TIN 687 TX**

**SCREWDRIVER BIT**

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")
- TORX® is a registered trademark of Acument Intellectual Properties, LLC. USA



Code	No.	mm	ISO 4762	mm	L	ISO 4762	ISO 4762
1828460	<b>TIN 687 TX T10</b>	T10	M3 - M3,5	2.74	25	5	5
1828479	<b>TIN 687 TX T15</b>	T15	M3,5 - M4	3.27	25	5	5
1828487	<b>TIN 687 TX T20</b>	T20	M4 - M5	3.86	25	5	5
1828495	<b>TIN 687 TX T25</b>	T25	M4,5 - M5	4.43	25	5	5
1828509	<b>TIN 687 TX T27</b>	T27	M4,5 - M6	4.99	25	5	5
1828517	<b>TIN 687 TX T30</b>	T30	M6 - M7	5.52	25	6	5
1828525	<b>TIN 687 TX T40</b>	T40	M7 - M8	6.65	25	6	5



### BIT SETS 6.3 MM (1/4")

#### 671-022

##### BIT SET 22 pieces

- Extra slim bit reversible ratchet with most popular bit sizes
- For working in extremely confined spaces
- In plastic case, dimensions: 200 x 120 x 38 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	↕	📦
1814567	<b>671-022</b>	365	1
	<b>671</b>		
	⊖ <b>680</b> 4 5,5 6,5 8		
	● <b>685</b> 3 4 5 6		
	⊕ <b>690</b> 1 2		
	⊕ <b>690 PZD</b> 1 2 3		
	⊗ <b>687 TX</b> T10 T15 T20 T25 T27 T30		
	<b>676 699</b>		

#### 693-024

##### BIT SET 24 pieces

- With No. 2093 U-3 TT-handle ratchet and 2093 HR-94 hand ratchet
- In plastic case, dimensions: 200 x 120 x 38 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	↕	📦
1814524	<b>693-024</b>	375	1
	<b>2093 U-3 T</b>		
	<b>2093 HR-94</b>		
	⊖ <b>680</b> 4 6,5		
	● <b>685</b> 3 4 5 6		
	⊕ <b>690</b> 1 2		
	⊕ <b>690 PZD</b> 1 2 3		
	⊗ <b>687 TX</b> T8 T9 T10 T15 T20 T25 T27 T30 T40		
	<b>2090-6 620</b>		

#### 620-024

##### BIT SET 24 pieces

- In plastic case, dimensions: 110 x 65 x 31 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	↕	📦
1815695	<b>620-024</b>	180	1
	⊖ <b>680</b> 4 6,5 ● <b>685</b> 3 4 5 6		
	● <b>685 X</b> 5 6 8 ⊕ <b>690</b> 1 2		
	⊕ <b>690 PZD</b> 1 2 3		
	⊗ <b>687 TX</b> T8 T9 T10 T15 T20 T25 T27 T30 T40		
	<b>620</b>		

#### 698-024

##### BIT SET 24 pieces

- In plastic case, dimensions: 110 x 65 x 31 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	↕	📦
1815709	<b>698-024</b>	194	1
	⊖ <b>680</b> 4 6,5		
	● <b>685</b> 3 4 5 6		
	● <b>685 X</b> 5 6 8		
	⊕ <b>690</b> 1 2		
	⊕ <b>690 PZD</b> 1 2 3		
	⊗ <b>687 TX</b> T8 T9 T10 T15 T20 T25 T27 T30 T40		
	<b>698</b>		

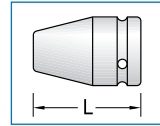
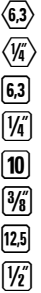


### ACCESSORIES FOR BITS 6.3 MM (1/4")

#### KB 619 - KB 630

##### ADAPTOR PIECES for screwdriver bits

- 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
- \* Length not standardised



Code	No.	* O"	□"	Lmm	↕	📦
6524150	<b>KB 619</b>	1/4	1/2	35	65	10
6524230	<b>KB 620</b>	1/4	1/4	25	13	10
6530040	<b>KB 630</b>	* 1/4	3/8	30	38	5

#### 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")

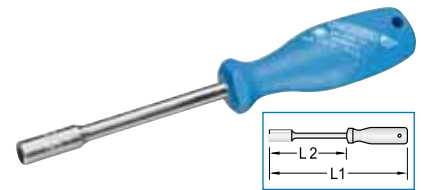


Code	No.	○"	□"	↳mm↵	↕	📦
1649329	<b>620</b>	1/4	1/4	25	13	1
1973312	<b>630</b>	1/4	3/8	25	25	1

#### 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



Code	No.	L <sub>1</sub>	L <sub>2</sub>	↕	📦
6536590	<b>670</b>	210	100	160	10

#### 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



Code	No.	○"	□"	↳mm↵	↕	📦
1953796	<b>670 K</b>	1/4	6.3	80	100	1



**671**

**BIT REVERSIBLE RATCHET**

- With knurled head for quick starting or counter-holding of screws
- Hex recess drive as per DIN 3126 - D 6.3 (1/4")
- Slimline design for working in confined spaces

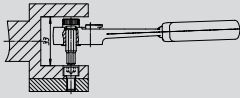


Code	No.	□"	○"	↳mm	↳mm	↳mm	↳mm
6535350	<b>671</b>	1/4	15	127	18.3	105	5

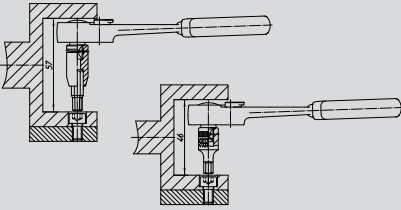
**FEATURES**

Slimline design for working in confined spaces

Bit ratchet and bit



Ratchet and socket



**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



Code	No.	□"	○"	↳mm	↳mm	↳mm
6536320	<b>673 6,3</b>	1/4	1/4	50	16	10
1834878	<b>673 10</b>	3/8	1/4	50	25	10

**673 K**

**SOCKET HOLDER short pattern**



Code	No.	□"	○"	↳mm	↳mm	↳mm
2000245	<b>673 K</b>	1/4	1/4	17	1	1

**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



Code	No.	□"	○"	↳mm	↳mm	↳mm
1811061	<b>673 L</b>	1/4	1/4	130	40	1

**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



Code	No.	○"	↳mm	↳mm	↳mm	↳mm
6530710	<b>674</b>	1/4	55	215	200	5

**676**

**DRIVING HANDLE**

- Non-slip 2-component handle
- Recessed hexagon drive 1/4"



Code	No.	○"	↳mm	↳mm
1649337	<b>676</b>	1/4	43	1

**698**

**BIT HOLDER magnetic**

- Hexagon drive as per DIN 3126 - E 6.3 (1/4"), magnetic, and hex recess drive as per DIN 3126 - D 6.3 (1/4")
- Powerful magnetic screw retainer, "automatic holder"



Code	No.	□"	○"	↳mm	↳mm	↳mm
1761110	<b>698</b>	1/4	1/4	73	33	1

**699**

**BIT HOLDER for power tools**

- With magnetic holder
- 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")



Code	No.	□"	○"	↳mm	↳mm	↳mm
6538610	<b>699</b>	1/4	1/4	30	60	40

**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")
- With magnetic screw retainer
- Hand operation
- For use with driving handle, No. 676, or torque handle, No. 2140



Code	No.	□"	○"	↳mm	↳mm	↳mm
1802437	<b>699 L</b>	1/4	1/4	130	41	1

**700**

**BIT HOLDER magnetic**

- Quick-grip system for hex bits as per DIN 3126 - C 6.3 + E 6.3 (1/4")



Code	No.	□"	○"	↳mm	↳mm	↳mm
6530550	<b>700</b>	1/4	1/4	14	51	25

**169**

**MAGAZINE HANDLE SCREWDRIVER**

- Magnetic magazine handle with room for 7 bits
- Cap with click-locking
- No. 169 L = empty



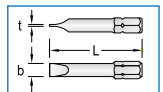
Code	No.	↳mm	↳mm	↳mm	↳mm
6432700	<b>169</b>	115	220	200	1
	⊖ <b>680 4</b>	5,5	6,5		
	⊕ <b>690 1</b>	2			
	⊕ <b>690 PZD 1</b>	2			
6432620	<b>169 L</b>	115	220	150	1

**8 MM (5/16") HEXAGON SQUARE DRIVE**

**880**

**SCREWDRIVER BIT 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 8 (5/16")
- GEDORE special vanadium steel, gun-metal finish



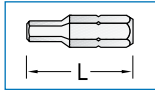
Code	No.	b	t	L	↳mm	↳mm
6566740	<b>880 5,5</b>	5.5	0.8	41	10	10
6566820	<b>880 6,5</b>	6.5	1.2	41	11	10
6566900	<b>880 7</b>	7.0	1.2	41	12	10
6567040	<b>880 8</b>	8.0	1.6	41	13	10



Code	No.	b	t	L		
6567120	<b>880 9</b>	9.0	1.6	41	13	10
6567200	<b>880 10</b>	10.0	1.6	41	20	10
6567390	<b>880 12</b>	12.0	2.0	41	23	10
6567470	<b>880 14</b>	14.0	2.5	41	26	10

**885****SCREWDRIVER BIT for in-hex screws**

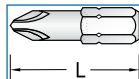
- For hand operation and use in electric and air tools
- Acc. to DIN ISO 2351-3
- Hexagon drive as per DIN 3126 - C 8 (5/16")
- GEDORE special vanadium steel, gun-metal finish



Code	No.	$\varnothing$ mm	ISO 4762	DIN 7984	L		
6568010	<b>885 3</b>	3	M4	M5	30	6	10
6568280	<b>885 4</b>	4	M5	M6	30	9	10
6568360	<b>885 5</b>	5	M6	M8	30	10	10
6568440	<b>885 6</b>	6	M8	M10	30	10	10
6568520	<b>885 8</b>	8	M10	M12	30	14	10
6568600	<b>885 10</b>	10	M12	M14	30	21	10

**890****SCREWDRIVER BIT for cross-slotted head screws PH**

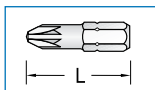
- For hand operation and use in electric and air tools
- Acc. to DIN ISO 2351-2, tip as per DIN ISO 8764-1 PH
- Hexagon drive as per DIN 3126 - C 8 (5/16")
- GEDORE special vanadium steel, gun-metal finish



Code	No.	$\oplus$ PH	L		
6571580	<b>890 1</b>	1	32	9	10
6571660	<b>890 2</b>	2	32	10	10
6571740	<b>890 3</b>	3	32	10	10
6571820	<b>890 4</b>	4	32	15	10
6571900	<b>890 4 L</b>	4	38	16	10

**890 PZD****SCREWDRIVER BIT for cross-slotted head screws PZ**

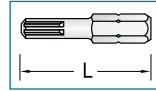
- For hand operation and use in electric and air tools
- Acc. to DIN ISO 2351-2, tip as per DIN ISO 8764-1 PZ
- Hexagon drive as per DIN 3126 - C 8 (5/16")
- GEDORE special vanadium steel, gun-metal finish



Code	No.	$\oplus$ PZ	L		
6553250	<b>890 PZD 1</b>	1	32	9	10
6553330	<b>890 PZD 2</b>	2	32	10	10
6553410	<b>890 PZD 3</b>	3	32	10	10
6553760	<b>890 PZD 4</b>	4	32	15	10

**886****SCREWDRIVER BIT for multi-spline screws RIBE®**

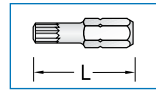
- For hand operation and use in electric and air tools
- Hexagon drive as per DIN 3126 - C 8 (5/16")
- GEDORE special vanadium steel, gun-metal finish
- RIBE® is a registered trademark of Rich. Bergner



Code	No.	$\square$ mm	L		
6570340	<b>886 4</b>	M4	38	7	10
6570420	<b>886 5</b>	M5	38	9	10
6570500	<b>886 6</b>	M6	38	11	10
6570690	<b>886 8</b>	M8	38	18	10
6570770	<b>886 10</b>	M10	38	20	10
6570850	<b>886 12</b>	M12	38	22	10
6570930	<b>886 14</b>	M14	38	24	10

**885 X****SCREWDRIVER BIT for multi-point screws XZN**

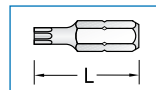
- For hand operation and use in electric and air tools
- Hexagon drive as per DIN 3126 - C 8 (5/16"), tip as per DIN 2325
- GEDORE special vanadium steel, gun-metal finish



Code	No.	$\square$ mm	L		
6569170	<b>885 X 5</b>	M5	28	8	10
6569250	<b>885 X 6</b>	M6	28	9	10
6569330	<b>885 X 8</b>	M8	28	10	10
6569410	<b>885 X 10</b>	M10	38	16	10
6569680	<b>885 X 12</b>	M12	38	25	10
6569760	<b>885 X 14</b>	M14	38	29	10

**887 TX****SCREWDRIVER BIT for recessed TORX® head screws**

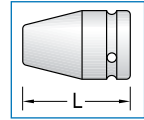
- For hand operation and use in electric and air tools
- Hexagon drive as per DIN 3126 - C 8 (5/16")
- GEDORE special vanadium steel, gun-metal finish
- TORX® is a registered trademark of Acument Intellectual Properties, LLC. USA



Code	No.	$\star$	$\square$ mm	$\star$ mm	L		
6571070	<b>887 TX T27</b>	T27	M4,5 - M6	4.99	35	10	10
6571150	<b>887 TX T30</b>	T30	M6 - M7	5.52	35	11	10
6571230	<b>887 TX T40</b>	T40	M7 - M8	6.65	35	12	10
6571310	<b>887 TX T45</b>	T45	M8 - M10	7.82	35	15	10
6575140	<b>887 TX T50</b>	T50	M10	8.83	35	15	10

**KB 819 - KB 830****ADAPTOR PIECES for screwdriver bits**

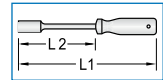
- Acc. to DIN 7427 Form A
- Hex recess D 8 (5/16") and square drive Form G DIN 3121
- For hand-operated or power tools
- For use in power tools, we recommend the use of a locking ring and pin
- \* Length not standardised



Code	No.	* $\varnothing$ "	$\square$ "	L		
6563480	<b>KB 819</b>	5/16	1/2	35	65	5
6563560	<b>KB 820</b>	* 5/16	1/4	25	16	1
6563800	<b>KB 830</b>	5/16	3/8	30	45	1

**870****BIT SCREWDRIVER**

- Hex recess as per DIN 3126 - D 8 (5/16"), for bits
- Magnetic screw retainer
- GEDORE vanadium steel



Code	No.	$\varnothing$ "	L <sub>1</sub>	L <sub>2</sub>		
6565500	<b>870</b>	5/16	210	100	185	1

**871****BIT REVERSIBLE RATCHET**

- With knurled head for quick starting or counter-holding of screws
- Hex recess as per DIN 3126 - D 8 (5/16")
- Slimline design for working in confined spaces



Code	No.	$\varnothing$ "	$\angle$	$\square$ mm	mm		
6535430	<b>871</b>	5/16	15	127	20.2	110	1

**871-021****BIT SET 24 pieces**

- Extra slim bit ratchet with most popular bit sizes
- For working in extremely confined spaces
- In plastic case, dimensions: 200 x 120 x 38 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.		
6570180	<b>871-021</b>	720	1
<b>871</b>			
$\varnothing$ 880 5,5 6,5 8 10			
$\oplus$ 885 3 4 5 6 8			
$\oplus$ 890 2 3			
$\oplus$ 890 PZD 2 3 4			
$\star$ 887 TX T27 T30 T40 T45 T50			
$\longleftarrow$ 872			



**GEDORE**

# POWER USE THE PERFECT DRIVE

## OVERVIEW

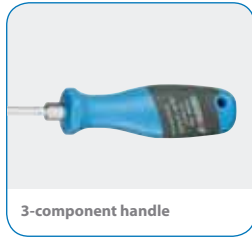
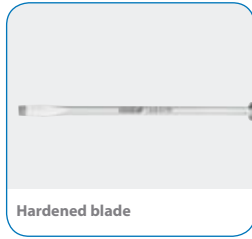
- ✔ slotted head
- ✔ cross-slotted head PH
- ✔ cross-slotted head PZ
- ✔ hexagon head
- ✔ splined head
- ✔ TORX® head
- ✔ Torque screwdriver
- ✔ Electronic screwdriver
- ✔ Hexagon socket key
- ✔ Voltage tester







# DREMO PLUS 3 C Proven strength in constant use and is very tough!



## Features



Cold pressed blade

Hardened blade

Sturdy, colourless core



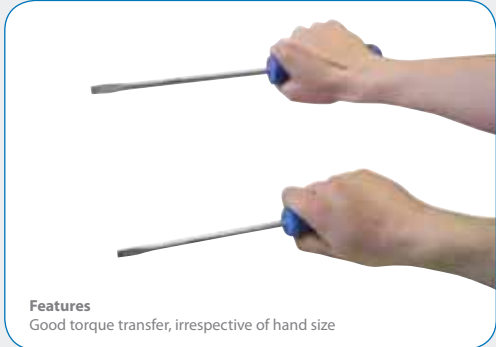
Hard component

Soft component

Permanently marked



Permanent, form-fit joint between handle and blade







## 3C-SCREWDRIVER WITH STRIKING CAP

### 2154SK

3C-SCREWDRIVER WITH STRIKING CAP for slotted head screws

Blade with hexagon bolster



Code	No.	mm:◀	mm:▶	Ø	mm	mm	mm	mm	mm	mm
1845209	<b>2154SK 3,5</b>	0.6	3.5	4	75	180	8	86	1	
1845217	<b>2154SK 4,5</b>	0.8	4.5	5	90	195	8	90	1	
1845225	<b>2154SK 5,5</b>	1.0	5.5	5	100	205	8	92	1	
1845233	<b>2154SK 6,5</b>	1.2	6.5	6	125	245	10	154	1	
1845241	<b>2154SK 8</b>	1.2	8.0	7	150	270	13	178	1	
1845268	<b>2154SK 10</b>	1.6	10.0	8	175	295	13	214	1	
1845276	<b>2154SK 12</b>	2.0	12.0	9	200	320	16	260	1	
1845284	<b>2154SK 14</b>	2.5	14.0	11	200	320	16	324	1	

### 2160SK PH

3C-SCREWDRIVER WITH STRIKING CAP for cross-slotted head screws PH

Blade with hexagon bolster



Code	No.	PH	Ø	mm	mm	mm	mm	mm	mm
1845292	<b>2160SK PH 1</b>	1	4	80	185	8	86	1	
1845306	<b>2160SK PH 2</b>	2	6	120	220	10	148	1	
1845314	<b>2160SK PH 3</b>	3	8	150	270	13	204	1	
1845322	<b>2160SK PH 4</b>	4	10	200	320	16	292	1	



### 2160SK PZ

3C-SCREWDRIVER WITH STRIKING CAP for cross-slotted head screws PZ

Blade with hexagon bolster



Code	No.	PZ	Ø	mm	mm	mm	mm	mm	mm
1845330	<b>2160SK PZ 1</b>	1	4	80	185	8	86	1	
1845349	<b>2160SK PZ 2</b>	2	6	120	220	10	148	1	
1845357	<b>2160SK PZ 3</b>	3	8	150	270	13	206	1	
1845365	<b>2160SK PZ 4</b>	4	10	200	320	16	292	1	

### SK 2154 PH-06

3C-SCREWDRIVER SET WITH STRIKING CAP 6 pieces

- For firmly seated slotted and cross-slotted head screws PH
- Blade with hexagon bolster



Code	No.	mm	mm	mm
1878743	<b>SK 2154 PH-06</b>	750		1
	⊖ <b>2154SK 4,5 5,5 6,5 8</b>			
	⊕ <b>2160SK PH 1 2</b>			



## 3C-SCREWDRIVER

### 2150

3C-SCREWDRIVER for slotted head screws

- To DIN ISO 2380-2, blade tip DIN ISO 2380-1 Form A
- Blade in vanadium plus steel
- 3-component handle with hanging hole
- \* not standardised



Code	No.	*	mm:◀	mm:▶	Ø	mm	mm	mm	mm
6679270	<b>2150 3</b>		0.5	3.0	3	80	160	25	10
6679350	<b>2150 4</b>		0.8	4.0	4	100	190	45	10
6679430	<b>2150 5,5</b>		1.0	5.5	5	125	225	69	10
6679510	<b>2150 6,5</b>		1.2	6.5	6	150	260	101	10
6679780	<b>2150 8</b>		1.2	8.0	7	175	295	156	10
6679860	<b>2150 10</b>		1.6	10.0	8	200	320	189	10
6679940	<b>2150 12</b>		2.0	12.0	9	250	370	243	10
1828673	<b>2150 14</b>	*	2.5	14.0	11	250	370	309	1

### 2150

3C-SCREWDRIVER for slotted head screws, special lengths

- With parallel blade
- Blade tip DIN ISO 2380-1 Form B
- Blade in vanadium plus steel
- 3-component handle with hanging hole
- \* not standardised



Code	No.	*	mm:◀	mm:▶	Ø	mm	mm	mm	mm
6680010	<b>2150 3-100</b>		0.5	3.0	3,0	100	180	26	10
6680280	<b>2150 3-150</b>	*	0.5	3.0	3,0	150	230	29	10
6680360	<b>2150 4-150</b>	*	0.8	4.0	4,0	150	240	52	10
6680440	<b>2150 5,5-100</b>		1.0	5.5	5,5	100	200	70	10
6680520	<b>2150 5,5-150</b>		1.0	5.5	5,5	150	250	79	10
6680600	<b>2150 5,5-250</b>	*	1.0	5.5	5,5	250	350	89	10
6680790	<b>2150 6,5-100</b>		1.2	6.5	6,5	100	210	90	10
6680870	<b>2150 6,5-200</b>	*	1.2	6.5	6,5	200	310	120	10
1646478	<b>2150 6,5-300</b>	*	1.2	6.5	6,0	300	410	136	1
1646486	<b>2150 6,5-400</b>	*	1.2	6.5	6,0	400	510	157	1
6680950	<b>2150 8-125</b>		1.2	8.0	8,0	125	245	159	10
6681090	<b>2150 8-225</b>	*	1.2	8.0	8,0	225	345	199	10
1646494	<b>2150 8-300</b>	*	1.2	8.0	8,0	300	420	210	1
1646508	<b>2150 8-400</b>	*	1.2	8.0	8,0	400	520	250	1
6681170	<b>2150 10-150</b>		1.6	10.0	10,0	150	270	219	10
6681840	<b>2150 10-250</b>	*	1.6	10.0	10,0	250	370	281	10

Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)





**2153**

**SCREWDRIVER for slotted head screws, stubby**

- ✔ To DIN ISO 2380-2, blade tip DIN ISO 2380-1 Form B
- ✔ Blade in vanadium plus steel
- ✔ 1-component handle, blue, with hanging hole



Code	No.	mm<math>\leq</math>	mm<math>\leq</math>	$\emptyset$	mm	mm	mm	mm
1531174	<b>2153 4</b>	0.8	4.0	4,0	25	75	25	10
1482432	<b>2153 5,5</b>	1.0	5.5	5,5	25	75	30	10
1531182	<b>2153 6,5</b>	1.2	6.5	6,5	25	75	35	10
1531190	<b>2153 8</b>	1.2	8.0	8,0	25	75	40	10

**2154**

**3C-SCREWDRIVER for slotted head screws**

- ✔ Blade with hexagon bolster
- ✔ To DIN ISO 2380-2, blade tip DIN ISO 2380-1 Form A
- ✔ Blade in vanadium plus steel
- ✔ 3-component handle with hanging hole
- ✔ \* not standardised



Code	No.	*	mm<math>\leq</math>	mm<math>\leq</math>	$\emptyset$	mm	mm	mm	mm
1828681	<b>2154 3,5</b>	*	0.6	3.5	4	75	180	8	66
6682490	<b>2154 4,5</b>	*	0.8	4.5	5	100	200	8	67
6682570	<b>2154 5,5</b>		1.0	5.5	5	100	200	8	68
6682650	<b>2154 6,5</b>		1.2	6.5	6	125	235	10	95
6682730	<b>2154 8</b>		1.2	8.0	7	150	270	13	157
6682810	<b>2154 10</b>		1.6	10.0	8	175	295	13	187
6683030	<b>2154 12</b>		2.0	12.0	9	200	320	16	233
1531158	<b>2154 14</b>		2.5	14.0	11	250	370	16	295

**2170**

**3C-SCREWDRIVER for slotted head screws, insulated blade**

- ✔ To DIN ISO 2380-2, blade tip DIN ISO 2380-1 Form B
- ✔ Blade in vanadium plus steel
- ✔ 3-component handle with hanging hole



Code	No.	mm<math>\leq</math>	mm<math>\leq</math>	$\emptyset$	mm	mm	mm	mm
6678700	<b>2170 2,5</b>	0.4	2.5	2,5	75	155	25	10
6678890	<b>2170 3</b>	0.5	3.0	3,0	75	155	27	10
6678970	<b>2170 4</b>	0.8	4.0	4,0	100	190	46	10
6679000	<b>2170 5,5</b>	1.0	5.5	5,5	125	225	79	10
6679190	<b>2170 6,5</b>	1.2	6.5	6,5	150	260	107	10



**2160 PH**

**3C-SCREWDRIVER for cross-slotted head screws PH**

- ✔ To DIN ISO 8764, tip to DIN ISO 8764-1 PH
- ✔ Blade in vanadium plus steel
- ✔ 3-component handle with hanging hole
- ✔ Size 3 and 4 blade with hexagon bolster
- ✔ \* not standardised



Code	No.	*	$\oplus$ PH	$\emptyset$	mm	mm	mm	mm
6683110	<b>2160 PH 0</b>		0	3,0	60	140	25	10
6683380	<b>2160 PH 1</b>		1	4,5	80	180	55	10
6683700	<b>2160 PH 1-200</b>		1	4,5	200	300	74	10
6683460	<b>2160 PH 2</b>		2	6,0	100	210	90	10
6683890	<b>2160 PH 2-200</b>		2	6,0	200	310	111	10
1646516	<b>2160 PH 2-300</b>	*	2	6,0	300	410	135	1
1646524	<b>2160 PH 2-400</b>	*	2	6,0	400	510	156	1
6683540	<b>2160 PH 3</b>		3	8,0	150	270	13	177
6683620	<b>2160 PH 4</b>		4	10,0	200	320	16	265

**2161 PH**

**SCREWDRIVER for cross-slotted head screws PH, stubby**

- ✔ To DIN ISO 8764, tip to DIN ISO 8764-1 PH
- ✔ Blade in vanadium plus steel
- ✔ 1-component handle, blue, with hanging hole



Code	No.	$\oplus$ PH	$\emptyset$	mm	mm	mm	mm
1482440	<b>2161 PH 1</b>	1	4,5	25	75	30	10
1531204	<b>2161 PH 2</b>	2	6,0	25	75	32	10

**2160 PZ**

**3C-SCREWDRIVER for cross-slotted head screws PZ**

- ✔ To DIN ISO 8764, tip to DIN ISO 8764-1 PZ
- ✔ Blade in vanadium plus steel
- ✔ 3-component handle with hanging hole
- ✔ Size 3 and 4 blade with hexagon bolster



Code	No.	$\oplus$ PZ	$\emptyset$	mm	mm	mm	mm
6683970	<b>2160 PZ 0</b>	0	3,0	60	140	25	10
6684000	<b>2160 PZ 1</b>	1	4,5	80	180	59	10
6684190	<b>2160 PZ 2</b>	2	6,0	100	210	90	10
6684270	<b>2160 PZ 3</b>	3	8,0	150	270	13	177
6684350	<b>2160 PZ 4</b>	4	10,0	200	320	16	265

**2161 PZ**

**SCREWDRIVER for cross-slotted head screws PZ, stubby**

- ✔ To DIN ISO 8764, tip to DIN ISO 8764-1 PZ
- ✔ Blade in vanadium plus steel
- ✔ 1-component handle, blue, with hanging hole



Code	No.	$\oplus$ PZ	$\emptyset$	mm	mm	mm	mm
1550608	<b>2161 PZ 1</b>	1	4,5	25	75	25	10
1550616	<b>2161 PZ 2</b>	2	6,0	25	75	32	10



### 2163 BK

**3C-SCREWDRIVER with ball end for in-hex screws**

- Blade in vanadium plus steel
- 3-component handle with hanging hole



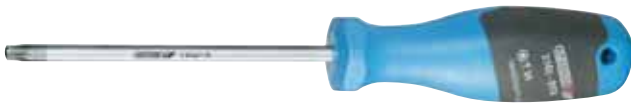
Code	No.	mm	Ø	mm	mm	mm	mm
1828746	<b>2163 BK 2</b>	2	3	75	155	31	10
6684430	<b>2163 BK 3</b>	3	4	75	155	31	10
6684510	<b>2163 BK 4</b>	4	5	100	190	49	10
6684780	<b>2163 BK 5</b>	5	6	100	200	76	10
6684860	<b>2163 BK 6</b>	6	7	125	235	103	10
6684940	<b>2163 BK 8</b>	8	10	150	270	193	10
6685080	<b>2163 BK 10</b>	10	12	150	270	280	10
6685160	<b>2163 BK 12</b>	12	14	160	280	364	10



### 2163 BTX

**3C-SCREWDRIVER for recessed TORX® head screws**

- Blade in vanadium plus steel
- 3-component handle with hanging hole
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

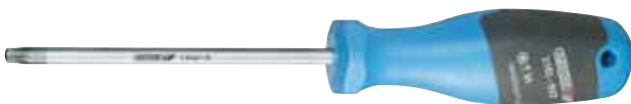


Code	No.	mm	mm	mm	mm	mm	mm	mm
1828703	<b>2163 BTX T3</b>	T3	M1,2 - M1,4	1.13	3,0	60	140	28
1828711	<b>2163 BTX T4</b>	T4	M1,4	1.29	3,0	60	140	27
1616471	<b>2163 BTX T5</b>	T5	M1,8	1.42	3,0	60	140	24
6685400	<b>2163 BTX T6</b>	T6	M2	1.69	3,0	60	140	24
6685590	<b>2163 BTX T7</b>	T7	M2,5	1.99	3,0	60	140	24
6685670	<b>2163 BTX T8</b>	T8	M2,5	2.31	3,0	60	140	24
6685750	<b>2163 BTX T9</b>	T9	M3	2.50	3,0	60	140	24
6685830	<b>2163 BTX T10</b>	T10	M3 - M3,5	2.74	3,0	80	160	25
6685910	<b>2163 BTX T15</b>	T15	M3,5 - M4	3.27	3,5	80	170	39
6686050	<b>2163 BTX T20</b>	T20	M4 - M5	3.86	4,0	100	190	45
6686130	<b>2163 BTX T25</b>	T25	M4,5 - M5	4.43	4,5	100	200	62
6686210	<b>2163 BTX T27</b>	T27	M4,5 - M6	4.99	5,5	115	215	74
6686480	<b>2163 BTX T30</b>	T30	M6 - M7	5.52	6,0	115	225	93
6686560	<b>2163 BTX T40</b>	T40	M7 - M8	6.65	7,0	130	240	100
6686640	<b>2163 BTX T45</b>	T45	M8 - M10	7.82	8,0	130	250	165
6686720	<b>2163 BTX T50</b>	T50	M10	8.83	9,0	150	270	193

### 2163 TXB

**3C-SCREWDRIVER for recessed TORX® head screws with pilot**

- Blade in vanadium plus steel
- 3-component handle with hanging hole
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	mm	mm	mm	mm	mm	mm	mm
1828738	<b>2163 TXB T6</b>	T6	M2	1.69	3,0	60	140	29
6677570	<b>2163 TXB T7</b>	T7	M2,5	1.99	3,0	60	140	25
6677650	<b>2163 TXB T8</b>	T8	M2,5	2.31	3,0	60	140	25
6677730	<b>2163 TXB T9</b>	T9	M3	2.50	3,0	60	140	25
6677810	<b>2163 TXB T10</b>	T10	M3 - M3,5	2.74	3,0	80	160	27
6678030	<b>2163 TXB T15</b>	T15	M3,5 - M4	3.27	3,5	80	170	28
6678110	<b>2163 TXB T20</b>	T20	M4 - M5	3.86	4,0	100	190	36
6678380	<b>2163 TXB T25</b>	T25	M4,5 - M5	4.43	4,5	100	200	61
6678460	<b>2163 TXB T27</b>	T27	M4,5 - M6	4.99	5,5	115	215	74
6678540	<b>2163 TXB T30</b>	T30	M6 - M7	5.52	6,0	115	225	93
6678620	<b>2163 TXB T40</b>	T40	M7 - M8	6.65	7,0	130	240	100

## 3C-SCREWDRIVER SETS

### 2150-2160 PH

**3C-SCREWDRIVER SET 6 pieces / 10 pieces**

- For slotted head and cruciform head screws PH



Code	No.	mm	mm
1482319	<b>2150-2160 PH-06</b> ⊖ 2150 4 5,5 6,5 8 ⊕ 2160 PH 1 2	650	1
1482343	<b>2150-2160 PH-010</b> ⊖ 2150 3 4 5,5 6,5 8 ⊖ 2153 5,5 ⊕ 2160 PH 1 2 ⊕ 2161 PH 1 ⊖ 4615 3,5	780	1

### 2154-2160 PH-07

**3C-SCREWDRIVER SET 7 pieces**

- For slotted head and cruciform head screws PH





Code	No.	mm	mm
1731149	<b>2154-2160 PH-07</b> ⊖ 2154 4,5 5,5 6,5 8 ⊕ 2160 PH 1 2 ⊖ 4615 3	710	1



**2150-2160 PZ-06**

**3C-SCREWDRIVER SET 6 pieces**  
 ▽ For slotted head and cruciform head screws PZ





Code	No.		
1482300	<b>2150-2160 PZ-06</b> ⊖ 2150 4 5,5 6,5 8 ⊕ 2160 PZ 1 2	650	1



**2163 TXB-05**

**3C-SCREWDRIVER SET 5 pieces**  
 ▽ For recessed TORX® head screws with pilot  
 ▽ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA







Code	No.		
1616617	<b>2163 TXB-05</b> ⊕ 2163 TXB T10 T15 T20 T25 T30	240	1

**2160 PHZ-06**

**3C-SCREWDRIVER SET 6 pieces**  
 ▽ For cross-slotted head screws PH and PZ





Code	No.			
2003589	<b>2160 PHZ-06</b> ⊕ 2160 PH 0 1 2 ⊕ 2160 PZ 0 1 2	344	1	

**VS 2155 S**

**SCREWDRIVER SALES STAND 155 pieces**  
 ▽ Blade in vanadium plus steel  
 ▽ 3-component handle with hanging hole  
 ▽ Display made from acrylic glass, dimensions: 580 x 380 x 80 mm





Code	No.		
6424600	<b>VS 2155 S</b> 5x ⊖ 2150 3 4 5,5 6,5 8 10 5x ⊖ 2154 5,5 6,5 8 10 12 5x ⊖ 2153 5,5 6,5 8 5x ⊖ 2170 2,5 3 4 5,5 6,5 5x ⊕ 2160 PH 0 1 2 3 4 5x ⊕ 2161 PH 1 2 5x ⊕ 2160 PZ 0 1 2 3 4	22,5	1

**2163 BTX**

**3C-SCREWDRIVER SET 5 pieces / 10 pieces**  
 ▽ For recessed TORX® head screws  
 ▽ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.		
1482327	<b>2163 BTX-05</b> ⊕ 2163 BTX T10 T15 T20 T25 T30	380	1
1482335	<b>2163 BTX-010</b> ⊕ 2163 BTX T7 T8 T9 T10 T15 T20 T25 T27 T30 T40	630	1





### VS 2150-2154

SCREWDRIVER SALES STAND 48 pieces

- For slotted head screws
- Dimensions: 440 x 290 x 140 mm



Code	No.	Icons	Icons
1948458	<b>VS 2150-2154</b> 4x ⊖ 2150 3 4 5,5 6,5 8 10 4x ⊖ 2153 5,5 6,5 4x ⊖ 2154 6,5 8 10 12	8.3	1

### VS 2160-2161

SCREWDRIVER SALES STAND 48 pieces

- For cross-slotted head screws PH and PZ
- Dimensions: 440 x 180 x 100 mm



Code	No.	Icons	Icons
1948431	<b>VS 2160-2161</b> 4x ⊕ 2160 PH 0 1 2 3 4 4x ⊕ 2161 PH 1 2 4x ⊕ 2160 PZ 0 1 2 3 4	8.2	1



### VS 2150 XL

SCREWDRIVER SALES STAND 36 pieces

- For slotted head screws, special lengths
- Dimensions: 325 x 185 x 100 mm



Code	No.	Icons	Icons
1948482	<b>VS 2150 XL</b> 4x ⊖ 2150 3-100 3-150 4-150 5,5-100 5,5-150 6,5-200 8-125 8-225 10-150	6.8	1

### VS 2163

SCREWDRIVER SALES STAND 40 pieces

- For recessed TORX® head screws
- Dimensions: 325 x 190 x 100 mm
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	Icons	Icons
1948466	<b>VS 2163 BTX</b> 4x ⌘ 2163 BTX T6 T7 T8 T9 T10 T15 T20 T25 T27 T30	4.8	1
1948474	<b>VS 2163 TXB</b> 4x ⌘ 2163 TXB T6 T7 T8 T9 T10 T15 T20 T25 T27 T30	4.7	1



## 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, cruciform PH + PZ, TORX® and TORX PLUS®)
- ✔ All items are available individually - from torque screwdriver handle to each plug-in blade)

### Accessories

- ✔ Activating tools and screwdriver bits as well as adaptors are listed up from page 145



## 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
- ✔ Acc. to DIN EN ISO 6789, traceable to national standards
- ✔ Including hexagon socket key set 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

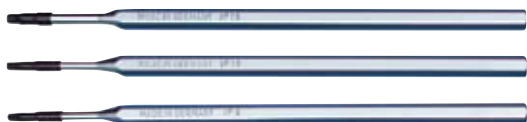


Code	No.	N-m	l-mm	mm	mm	mm
1802364	<b>2140 1,5 NM</b>	0,6-1,5	108	0,1	195	1
1802372	<b>2140 3,0 NM</b>	1,5-3,0	108	0,1	195	1
1802380	<b>2140 5,4 NM</b>	3,0-5,4	108	0,2	195	1

## 2141 IP

### PLUG-IN BLADE 1/4" HEX TORX PLUS®

- ✔ TORX PLUS® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	mm	l-mm	mm	mm
1802658	<b>2141 6IP</b>	M2	170	40	1
1802666	<b>2141 7IP</b>	-	170	40	1
1802674	<b>2141 8IP</b>	M2,5 - M3	170	40	1
1802682	<b>2141 9IP</b>	-	170	40	1
1802690	<b>2141 10IP</b>	M3 - M3,5	170	40	1
1802704	<b>2141 15IP</b>	M3,5 - M4	170	40	1

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## 2141 TX

### PLUG-IN BLADE 1/4" HEX for recessed TORX® head screws

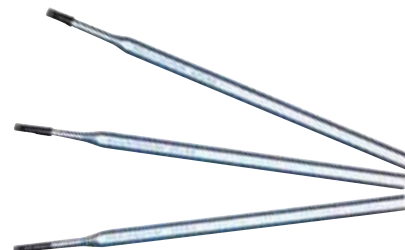
- ✔ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	mm	mm	l-mm	mm	mm
1802569	<b>2141 TX T6</b>	T6	M2	1,69	170	40
1802577	<b>2141 TX T7</b>	T7	M2,5	1,99	170	40
1802585	<b>2141 TX T8</b>	T8	M2,5	2,31	170	40
1802593	<b>2141 TX T9</b>	T9	M3	2,50	170	40
1802607	<b>2141 TX T10</b>	T10	M3 - M3,5	2,74	170	40
1802615	<b>2141 TX T15</b>	T15	M3,5 - M4	3,27	170	40
1802623	<b>2141 TX T20</b>	T20	M4 - M5	3,86	170	42
1802631	<b>2141 TX T25</b>	T25	M4,5 - M5	4,43	170	42

## 2141 IS

### PLUG-IN BLADE 1/4" HEX for slotted head screws



Code	No.	mm	mm	l-mm	mm	mm
1802453	<b>2141 IS 3</b>	3.0	0.5	170	40	1
1802461	<b>2141 IS 3,5</b>	3.5	0.6	170	40	1
1802488	<b>2141 IS 4</b>	4.0	0.8	170	40	1

## 2141 PH

### PLUG-IN BLADE HEX for cross-slotted head screws PH



Code	No.	PH	mm	l-mm	mm	mm
1802496	<b>2141 PH 0</b>	0	M1,6 - M2	170	40	1
1802518	<b>2141 PH 1</b>	1	M2 - M3	170	40	1
1802526	<b>2141 PH 2</b>	2	M3,5 - M5	170	43	1

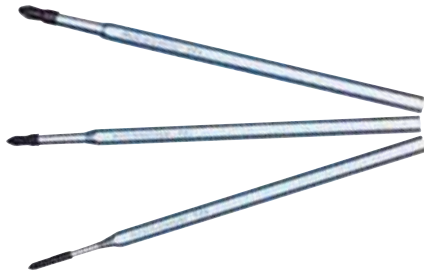


Deviant packing units see article description.



## 2141 PZ

PLUG-IN BLADE HEX for cross-slotted head screws PZ



Code	No.	⊕ PZ	□ 通孔	← mm →	↕	📦
1802534	<b>2141 PZ 0</b>	0	M1,6 - M2	170	40	1
1802542	<b>2141 PZ 1</b>	1	M2 - M3	170	40	1
1802550	<b>2141 PZ 2</b>	2	M3,5 - M5	170	43	1

## 2140

TORQUE SCREWDRIVER SET 25 pieces

- Ideal for working in a small torque range, e.g. electronics, precision mechanics
- GEDORE-Check-Tool insert
- For screwdriver function simply add the 2C multi-handle with appropriate accessory



Code	No.	N-m	↕	📦
1953761	<b>2140-3,0-025</b> ⊖ 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	595	1
1802429	<b>2140-5,4-025</b> ⊖ 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	595	1

## ELECTRONIC SCREWDRIVER

- 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, with anti-slip surface
- Pivoting 2-component end cap with anti-slip surface and colour coding
- Colour coding of the drive type

## 171 IS

ELECTRONIC SCREWDRIVER for slotted head screws



Code	No.	mm 1C	mm 2C	mm 3C	↕	📦
1845004	<b>171 IS 1,2</b>	1.2	60	155	12	5
6436450	<b>171 IS 1,5</b>	1.5	60	155	12	5
1845012	<b>171 IS 1,8</b>	1.8	60	155	13	5
6438660	<b>171 IS 2</b>	2.0	60	155	13	5
1845020	<b>171 IS 2,5</b>	2.5	75	170	15	5
1845039	<b>171 IS 3</b>	3.0	100	195	16	5

## 165 PH

ELECTRONIC SCREWDRIVER for cross-slotted head screws PH



Code	No.	mm 1C	mm 2C	mm 3C	↕	📦
1845047	<b>165 PH 000</b>	60	155	13	5	
6442770	<b>165 PH 00</b>	60	155	13	5	
6442930	<b>165 PH 0</b>	60	155	15	5	
1845055	<b>165 PH 1</b>	80	175	16	5	

## 165 TX

ELECTRONIC SCREWDRIVER for recessed TORX® head screws

- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	⊕	□ 通孔	★ mm	mm 1C	mm 2C	mm 3C	↕	📦
1845098	<b>165 TX T3</b>	T3	M1,2 - M1,4	1.13	60	155	16	5	
1845101	<b>165 TX T4</b>	T4	M1,4	1.29	60	155	16	5	
1845128	<b>165 TX T5</b>	T5	M1,8	1.42	60	155	17	5	
1845136	<b>165 TX T6</b>	T6	M2	1.69	60	155	19	5	
1845144	<b>165 TX T7</b>	T7	M2,5	1.99	60	155	19	5	
1845152	<b>165 TX T8</b>	T8	M2,5	2.31	60	155	19	5	
1845160	<b>165 TX T9</b>	T9	M3	2.50	60	155	19	5	
1845179	<b>165 TX T10</b>	T10	M3 - M3,5	2.74	60	155	20	5	
1845187	<b>165 TX T15</b>	T15	M3,5 - M4	3.27	60	155	23	5	
1845195	<b>165 TX T20</b>	T20	M4 - M5	3.86	80	175	29	5	





**164 IN**

ELECTRONIC SCREWDRIVER for in-hex screws



Code	No.	mm	mm	mm	mm	mm
1845063	<b>164 IN 0,7</b>	0.7	60	155	12	5
1845071	<b>164 IN 0,9</b>	0.9	60	155	12	5
6443150	<b>164 IN 1,3</b>	1.3	60	155	13	5
6443230	<b>164 IN 1,5</b>	1.5	60	155	13	5
6443310	<b>164 IN 2</b>	2.0	60	155	13	5
6443580	<b>164 IN 2,5</b>	2.5	60	155	14	5
6443740	<b>164 IN 3</b>	3.0	60	155	16	5



**165-171-06**

ELECTRONIC SCREWDRIVER SET

6 pieces

- For slotted and cross-slotted head screws PH



Code	No.	mm	mm
1902849	<b>165-171-06</b> ⊕ <b>165 PH 000 00 0</b> ⊖ <b>171 IS 1,2 1,8 2,5</b>	385	1

**165 TX-06**

ELECTRONIC SCREWDRIVER SET

6 pieces

- For recessed TORX® head screws
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	mm	mm
1902857	<b>165 TX-06</b> ⊕ <b>165 TX T5 T6 T7 T8 T9 T10</b>	415	1

**1021**

ELECTRONIC SCREWDRIVER SET 7 pieces

- In plastic case



Code	No.	mm	mm
6601830	<b>1021</b> ⊖ <b>171 IS 1,2 1,5 2</b> ⊕ <b>165 PH 00 0</b> <b>8305-2</b> <b>8306-5</b>	620	1

**VARIOUS**

**149**

MAGNETIZER AND DEMAGNETIZER

- Demagnetises screwdrivers, tweezers and similar tools made from steel
- Blue housing, made from high-quality plastic, unbreakable, cadmium-free



Code	No.	L	H	W	mm	mm
6416500	<b>149</b>	52	26	50	85	1

**156 S**

SQUARE BLADED AWL

- Blue handle with hanging hole
- Blade bright nickel-plated



Code	No.	mm	mm	mm	mm
6424520	<b>156 S</b>	100	200	75	10

**SCREWDRIVER WITH WOODEN HANDLE**

- Blade tapered right through the handle, chrome-plated
- GEDORE-vanadium steel 50CrV4
- Hexagon bolster for extra power
- Hardwood handle, clear varnished with leather cap

**147**

SCREWDRIVER for slotted head screws

- Similar to DIN ISO 2380-2 Row B+C, blade tip DIN ISO 2380-1 Form A



Code	No.	mm	mm	mm	mm	mm	mm	mm
6413830	<b>147 3,5</b>	3.5	0.6	75	170	6	47	5
6413910	<b>147 4,5</b>	4.5	0.8	90	185	6	50	5
6414050	<b>147 5,5</b>	5.5	1.0	100	200	8	70	10
6414130	<b>147 7</b>	7.0	1.2	125	235	10	110	10
6414210	<b>147 9</b>	9.0	1.4	150	270	12	180	10
6414480	<b>147 10</b>	10.0	1.6	175	300	12	230	5
6414560	<b>147 12</b>	12.0	2.0	200	330	13	280	5







148

**SCREWDRIVER for slotted head screws**

- Similar to DIN ISO 2380-2 Row B+C, blade tip DIN ISO 2380-1 Form A
- Hexagon blade with forged bolster



Code	No.	mm±L	mm±C	mm±B	mm±A	mm	mm	mm
6415020	<b>148 5,5</b>	5.5	0.8	100	200	6	85	5
6415100	<b>148 7</b>	7.0	1.0	125	230	7	130	5
6415290	<b>148 8</b>	8.0	1.2	150	270	8	190	5
6415370	<b>148 10</b>	10.0	1.6	175	300	8	260	5
6415450	<b>148 12</b>	12.0	2.0	200	330	12	340	5
6415530	<b>148 14</b>	14.0	2.5	250	390	12	530	5

162

**SCREWDRIVER for cross-slotted head screws PH**

- Similar to DIN ISO 8764-2, tip DIN ISO 8764-1 PH



Code	No.	PH	mm	mm	mm	mm	mm
6429400	<b>162 1</b>	1	80	180	6	55	5
6429590	<b>162 2</b>	2	100	210	10	95	5
6429670	<b>162 3</b>	3	150	275	12	210	5
6429750	<b>162 4</b>	4	200	340	17	350	5

147-04

**SCREWDRIVER SET 4 pieces**

- Work orientated assortment packed in environmentally-friendly cardboard box



Code	No.	mm	mm
6422820	<b>147-04</b>	5,5	7 9 10

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147-162-05

**SCREWDRIVER SET 5 pieces**

- Work orientated assortment packed in environmentally-friendly cardboard box



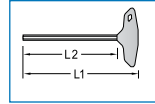
Code	No.	mm	mm
6423120	<b>147-162-05</b>	5,5 7 9	12

**HEXAGON SOCKET KEYS**

42 T

**HEXAGON SCREWDRIVER WITH T-HANDLE for in-hex screws**

- Blue handle with hanging hole



Code	No.	mm	L <sub>1</sub>	L <sub>2</sub>	mm	mm
1531360	<b>42 T 2</b>	2.0	162.5	130	24	10
6354130	<b>42 T 2,5</b>	2.5	192.5	160	31	10
6353670	<b>42 T 3</b>	3.0	222.5	190	35	10
6353750	<b>42 T 4</b>	4.0	249.0	210	68	10
6353830	<b>42 T 5</b>	5.0	279.0	240	88	10
6353910	<b>42 T 6</b>	6.0	309.0	270	120	10
6366730	<b>42 T 7</b>	7.0	329.0	290	150	10
6354050	<b>42 T 8</b>	8.0	349.0	310	190	10
6354210	<b>42 T 10</b>	10.0	369.0	330	230	10

Code	No.	AF	L <sub>1</sub>	L <sub>2</sub>	mm	mm	mm
1996010	<b>42 T 1/8AF</b>	1/8	229.0	190	40	1	10
1996029	<b>42 T 5/32AF</b>	5/32	249.0	210	68	1	10
1996037	<b>42 T 3/16AF</b>	3/16	279.0	240	88	1	10
1996045	<b>42 T 1/4AF</b>	1/4	309.0	270	120	1	10
1996053	<b>42 T 5/16AF</b>	5/16	349.0	310	190	1	10
1996061	<b>42 T 3/8AF</b>	3/8	369.0	330	230	1	10

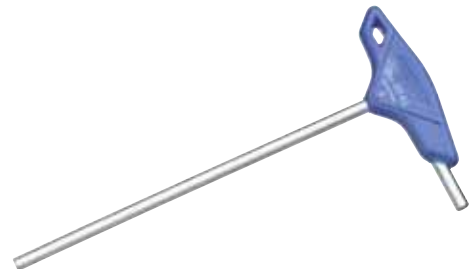
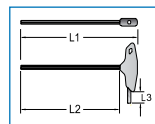


DT 42

**HEXAGON SOCKET KEY WITH T-HANDLE**

for in-hex screws

- Blue handle with hanging hole
- With 2 hexagons, same size each end

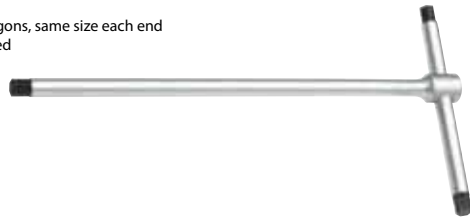


Code	No.	mm	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	mm	mm
1476408	<b>DT 42 2</b>	2.0	107.0	87	12.0	15	10
1476424	<b>DT 42 2,5</b>	2.5	127.0	107	12.0	18	10
1476432	<b>DT 42 3</b>	3.0	147.0	127	12.0	22	10
1476440	<b>DT 42 4</b>	4.0	173.5	141	15.5	40	10
1476459	<b>DT 42 5</b>	5.0	193.5	161	17.5	57	10
1476467	<b>DT 42 6</b>	6.0	213.5	181	20.5	80	10
1476475	<b>DT 42 7</b>	7.0	231.0	192	28.0	120	10
1476483	<b>DT 42 8</b>	8.0	246.0	207	28.0	155	10
1476491	<b>DT 42 10</b>	10.0	261.0	222	28.0	245	10



**DTT 42**

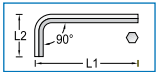
**TRI-T HEXAGON SOCKET KEY for in-hex screws**  
 With 3 hexagons, same size each end  
 T-handle fixed



Code	No.	● mm	L <sub>1</sub>	L <sub>2</sub>	∅	↕	☒
1669540	<b>DTT 42 3</b>	3	150	75	5.0	40	1
1669559	<b>DTT 42 4</b>	4	180	90	6.0	62	1
1669567	<b>DTT 42 5</b>	5	180	90	7.0	87	1
1669575	<b>DTT 42 6</b>	6	210	105	8.0	134	1
1669583	<b>DTT 42 8</b>	8	250	125	9.5	215	1
1669591	<b>DTT 42 10</b>	10	300	150	12.0	405	1

**42**

**HEXAGON SOCKET KEY for in-hex screws**  
 Acc. to DIN ISO 2936 (only metric sizes)  
 Zinc-plated up to size 12 mm, chrome-plated up from size 14 mm



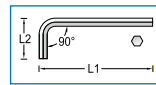
Code	No.	● mm	L <sub>1</sub>	L <sub>2</sub>	↕	☒
6342200	<b>42 0,7</b>	0.7	33.0	7.0	1	10
6342390	<b>42 0,9</b>	0.9	33.0	11.0	1	10
6342470	<b>42 1,3</b>	1.3	41.0	13.0	1	10
6340260	<b>42 1,5</b>	1.5	46.5	15.5	1	10
6340340	<b>42 2 (5/64AF)</b>	2.0	52.0	18.0	2	10
6340420	<b>42 2,5</b>	2.5	58.5	20.5	3	10
6340500	<b>42 3</b>	3.0	66.0	23.0	5	10
6340690	<b>42 4</b>	4.0	74.0	29.0	10	10
6340770	<b>42 5</b>	5.0	85.0	33.0	18	10
6340850	<b>42 6</b>	6.0	96.0	38.0	29	10
6340930	<b>42 7</b>	7.0	102.0	41.0	42	10
6341070	<b>42 8</b>	8.0	108.0	44.0	58	10
6341150	<b>42 9</b>	9.0	114.0	47.0	78	10
6341230	<b>42 10</b>	10.0	122.0	50.0	100	10
6341310	<b>42 12</b>	12.0	137.0	57.0	163	10
6341580	<b>42 14</b>	14.0	154.0	70.0	260	10
6341660	<b>42 17</b>	17.0	177.0	80.0	420	10
6341740	<b>42 19</b>	19.0	199.0	89.0	600	10
6341820	<b>42 22</b>	22.0	222.0	102.0	910	10
6341900	<b>42 24</b>	24.0	248.0	114.0	1210	5
6342550	<b>42 27</b>	27.0	277.0	127.0	1700	5
6342630	<b>42 30</b>	30.0	315.0	142.0	2500	1
6342710	<b>42 32</b>	32.0	347.0	157.0	3200	1

Code	No.	● AF	L <sub>1</sub>	L <sub>2</sub>	↕	☒
6342120	<b>42 3/64AF</b>	3/64	41.0	13.0	2	10
6342040	<b>42 1/16AF</b>	1/16	46.5	15.5	1	10
6340340	<b>42 2 (5/64AF)</b>	5/64	52.0	18.0	2	10
6344330	<b>42 3/32AF</b>	3/32	56.5	20.5	3	10
6344410	<b>42 1/8AF</b>	1/8	60.0	23.0	5	10
6344680	<b>42 5/32AF</b>	5/32	67.0	26.0	9	10
6344760	<b>42 3/16AF</b>	3/16	73.0	30.0	14	10
6344840	<b>42 7/32AF (5,5MM)</b>	7/32	82.0	32.0	21	10
6344920	<b>42 1/4AF</b>	1/4	92.0	36.5	31	10
6345060	<b>42 5/16AF</b>	5/16	102.0	43.0	54	10
6345140	<b>42 3/8AF</b>	3/8	115.0	49.0	87	10
6345220	<b>42 1/2AF</b>	1/2	142.0	61.0	193	10
6345300	<b>42 9/16AF</b>	9/16	154.0	66.0	270	10
6345490	<b>42 5/8AF</b>	5/8	168.0	76.0	350	5
6345570	<b>42 3/4AF</b>	3/4	199.0	89.0	580	5



**42 EL**

**HEXAGON SOCKET KEY for in-hex screws, extra long**  
 Acc. to DIN ISO 2936 (only metric sizes)  
 Zinc-plated up to size 12 mm, chrome-plated up from size 14 mm

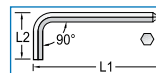


Code	No.	● mm	L <sub>1</sub>	L <sub>2</sub>	↕	☒
6350810	<b>42 EL 2 (5/64AF)</b>	2.0	102.0	18.0	3	10
6351030	<b>42 EL 2,5</b>	2.5	114.5	20.5	5	10
6351110	<b>42 EL 3</b>	3.0	129.0	23.0	9	10
6351380	<b>42 EL 4</b>	4.0	144.0	29.0	18	10
6351460	<b>42 EL 5</b>	5.0	165.0	33.0	31	10
6351540	<b>42 EL 6</b>	6.0	186.0	38.0	51	10
6351620	<b>42 EL 8</b>	8.0	208.0	44.0	100	10
6351700	<b>42 EL 10</b>	10.0	234.0	50.0	170	10
6351890	<b>42 EL 12</b>	12.0	262.0	57.0	280	10
6351970	<b>42 EL 14</b>	14.0	294.0	70.0	440	10

Code	No.	● AF	L <sub>1</sub>	L <sub>2</sub>	↕	☒
1543377	<b>42 EL 3/32AF</b>	3/32	114.5	20.5	3	10
1543318	<b>42 EL 1/8AF</b>	1/8	129.0	23.0	9	10
1543326	<b>42 EL 5/32AF</b>	5/32	144.0	29.0	14	10
1543334	<b>42 EL 3/16AF</b>	3/16	165.0	33.0	26	10
1543342	<b>42 EL 7/32AF (5,5MM)</b>	7/32	186.0	38.0	45	10
1543369	<b>42 EL 1/4AF</b>	1/4	197.0	41.0	49	10
1543350	<b>42 EL 5/16AF</b>	5/16	208.0	44.0	95	10
1543385	<b>42 EL 3/8AF</b>	3/8	234.0	50.0	155	10
1543393	<b>42 EL 1/2AF</b>	1/2	277.0	63.0	323	10
1543407	<b>42 EL 9/16AF</b>	9/16	294.0	70.0	455	10

**42 KEL**

**HEXAGON SOCKET KEY with ball end, for in-hex screws, extra long**  
 Phosphated

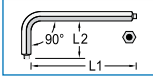


Code	No.	● mm	L <sub>1</sub>	L <sub>2</sub>	↕	☒
1563556	<b>42 KEL 1,5</b>	1.5	91.5	15.5	2	10
6370090	<b>42 KEL 2</b>	2.0	102.0	18.0	3	10
6370170	<b>42 KEL 2,5</b>	2.5	114.5	20.5	5	10
6370250	<b>42 KEL 3</b>	3.0	129.0	23.0	8	10
6370330	<b>42 KEL 4</b>	4.0	144.0	29.0	20	10
6370410	<b>42 KEL 5</b>	5.0	165.0	33.0	30	10
6370680	<b>42 KEL 6</b>	6.0	186.0	38.0	50	10
1729241	<b>42 KEL 7</b>	7.0	197.0	41.0	72	10
6370760	<b>42 KEL 8</b>	8.0	208.0	44.0	100	10
6370840	<b>42 KEL 10</b>	10.0	234.0	50.0	180	10
6370920	<b>42 KEL 12</b>	12.0	262.0	57.0	290	10



### 42 Z

**HEXAGON SOCKET KEY with pilot, for in-hex screws**  
 ▶ To DIN 6911  
 ▶ \* not standardised



Code	No.	*	mm	L <sub>1</sub>	L <sub>2</sub>	±	☒
6342980	<b>42 Z 3</b>		3	63	20	5	5
6343010	<b>42 Z 4</b>		4	70	25	10	5
6343280	<b>42 Z 5</b>		5	80	28	30	5
6343360	<b>42 Z 6</b>		6	90	32	15	5
6343440	<b>42 Z 7</b>	*	7	95	34	45	5
6343520	<b>42 Z 8</b>		8	100	36	60	5
6343600	<b>42 Z 10</b>		10	112	40	105	5
6343790	<b>42 Z 12</b>		12	125	45	160	5
6343870	<b>42 Z 14</b>		14	140	56	260	5
6343950	<b>42 Z 17</b>		17	160	63	430	1
6344090	<b>42 Z 19</b>		19	180	70	620	1

### 42

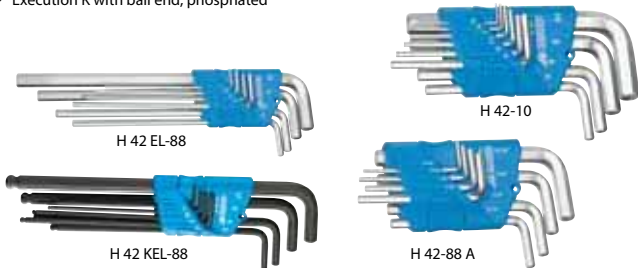
**HEXAGON SOCKET KEY SET for in-hex screws**  
 ▶ In blue PVC wallet  
 ▶ Zinc-plated



Code	No.	±	☒
6347510	<b>42-07</b> 2 2,5 3 4 5 6 8	135	1
6349050	<b>42-70</b> 2,5 3 4 5 6 8 10	230	1
6347780	<b>42-08</b> 3 4 5 6 8 10 12 14	380	1
6347860	<b>42-09</b> 2 2,5 3 4 5 6 7 8 10	270	1
6348750	<b>42-07 A</b> 5/64 3/32 1/8 5/32 3/16 7/32 1/4"	93	1
6348830	<b>42-08 A</b> 1/8 5/32 3/16 1/4 5/16 3/8 1/2 9/16"	690	1
6348910	<b>42-09 A</b> 5/64 3/32 1/8 5/32 3/16 7/32 1/4 5/16 3/8"	230	1

### H 42 - H 42 EL

**HEXAGON SOCKET KEY SET for in-hex screws**  
 ▶ In blue plastic holder (LPDE)  
 ▶ Zinc-plated  
 ▶ Execution K with ball end, phosphated



Code	No.	±	☒
1505408	<b>H 42-10</b> 1,3 1,5 2 2,5 3 4 5 6 8 10	254	1
1505424	<b>H 42-88 A</b> 5/64 3/32 1/8 5/32 3/16 7/32 1/4 5/16"	141	1
1505416	<b>H 42 EL-88</b> 2 2,5 3 4 5 6 8 10	420	1
1543555	<b>H 42 EL-88 A</b> 5/64 3/32 1/8 5/32 3/16 7/32 1/4 5/16"	297	1
1523988	<b>H 42 KEL-88</b> 2 2,5 3 4 5 6 8 10	410	1

### PH 42-88

**HEXAGON SOCKET KEY SET for in-hex screws**  
 ▶ In blue plastic holder  
 ▶ Zinc-plated



Code	No.	±	☒
6352000	<b>PH 42-88</b> 2 2,5 3 4 5 6 8 10	245	1

### S 42

**HEXAGON SOCKET KEY SET for in-hex screws**  
 ▶ On key ring with quick release  
 ▶ Zinc-plated



Code	No.	±	☒
6347430	<b>S 42-07</b> 2 2,5 3 4 5 6 8	144	1
6348160	<b>S 42-09 A</b> 5/64 3/32 1/8 5/32 3/16 7/32 1/4 5/16 3/8"	250	1

### SCL 42

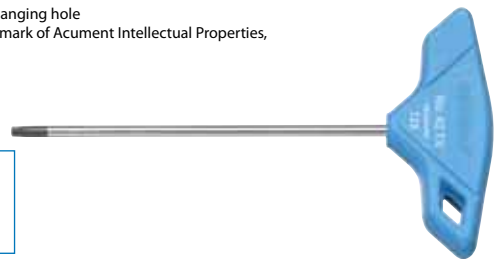
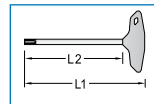
**HEXAGON SOCKET KEY SET for in-hex screws**  
 ▶ In robust metal clip  
 ▶ Execution K with ball end  
 ▶ Zinc-plated



Code	No.	±	☒
6347350	<b>SCL 42-70</b> 2,5 3 4 5 6 8 10	350	1
6354800	<b>SCL 42-90 A</b> 5/64 3/32 7/64 1/8 9/64 5/32 3/16 7/32 1/4"	240	1
6371140	<b>SCL 42 K-70</b> 2,5 3 4 5 6 8 10	320	1

### 42 TX

**SCREWDRIVER WITH T-HANDLE for recessed TORX® screws**  
 ▶ Blue handle with hanging hole  
 ▶ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

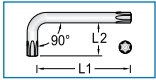


Code	No.	mm	mm	L <sub>1</sub>	L <sub>2</sub>	±	☒
1531328	<b>42 TX T5</b>	M1,8	1.42	107.0	87	30	10
1531336	<b>42 TX T6</b>	M2	1.70	107.0	87	30	10
1531344	<b>42 TX T7</b>	M2,5	1.99	107.0	87	30	10
1531352	<b>42 TX T8</b>	M2,5	2.31	119.5	87	30	10
6361180	<b>42 TX T9</b>	M3	2.50	139.5	107	30	10
6362070	<b>42 TX T10</b>	M3 - M3,5	2.74	139.5	107	30	10
6362820	<b>42 TX T15</b>	M3,5 - M4	3.27	159.5	127	31	10
6362900	<b>42 TX T20</b>	M4 - M5	3.86	173.5	141	33	10
6365330	<b>42 TX T25</b>	M4,5 - M5	4.43	180.0	141	50	10
6365410	<b>42 TX T27</b>	M4,5 - M6	4.99	200.0	161	53	10
6365680	<b>42 TX T30</b>	M6 - M7	5.52	200.0	161	61	10
6365760	<b>42 TX T40</b>	M7 - M8	6.65	220.0	181	71	5
6365840	<b>42 TX T45</b>	M8 - M10	7.82	231.0	192	142	5
6365920	<b>42 TX T50</b>	M10	8.83	246.0	207	165	5



**43 TX**

**CRANKED SOCKET SCREWDRIVER for recessed TORX® screws**  
 ▼ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	⌀ mm	★ mm	L <sub>1</sub>	L <sub>2</sub>	↺	⊞
6363550	<b>43 TX T6</b>	M2	1.69	42	16	2	5
6363630	<b>43 TX T7</b>	M2,5	1.99	48	16	3	5
6363710	<b>43 TX T8</b>	M2,5	2.31	48	16	3	5
6363980	<b>43 TX T9</b>	M3	2.50	48	16	3	5
6364010	<b>43 TX T10</b>	M3 - M3,5	2.74	51	17	3	5
6364280	<b>43 TX T15</b>	M3,5 - M4	3.27	54	18	5	5
6364360	<b>43 TX T20</b>	M4 - M5	3.86	57	19	7	5
6364440	<b>43 TX T25</b>	M4,5 - M5	4.43	60	20	10	5
6364520	<b>43 TX T27</b>	M4,5 - M6	4.99	64	21	15	5
6364600	<b>43 TX T30</b>	M6 - M7	5.52	70	24	20	5
6364790	<b>43 TX T40</b>	M7 - M8	6.65	76	26	30	5
6364870	<b>43 TX T45</b>	M8 - M10	7.82	83	29	40	5
6364950	<b>43 TX T50</b>	M10	8.83	95	32	60	5
6365090	<b>43 TX T55</b>	M12	11.22	108	35	120	1
6365170	<b>43 TX T60</b>	M14	13.25	120	38	180	1

**43 KTX**

**CRANKED SOCKET SCREWDRIVER with ball end for recessed TORX® screws**  
 ▼ Working angle approx. 25°  
 ▼ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	⌀ mm	★ mm	L <sub>1</sub>	L <sub>2</sub>	↺	⊞
6367110	<b>43 KTX T10</b>	M3 - M3,5	2.74	73	17	4	5
6367380	<b>43 KTX T15</b>	M3,5 - M4	3.27	83	17	15	5
6367460	<b>43 KTX T20</b>	M4 - M5	3.86	94	18	7	5
6367540	<b>43 KTX T25</b>	M4,5 - M5	4.43	96	18	10	5
6367620	<b>43 KTX T27</b>	M4,5 - M6	4.99	106	20	15	5
6367700	<b>43 KTX T30</b>	M6 - M7	5.52	119	24	20	5
6367890	<b>43 KTX T40</b>	M7 - M8	6.65	132	26	30	5

**43 TX-09**

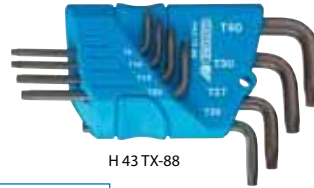
**CRANKED SOCKET SCREWDRIVER SET for recessed TORX® screws**  
 ▼ In blue PVC wallet  
 ▼ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	↺	⊞
6360960	<b>43 TX-09</b> T7 T8 T9 T10 T15 T20 T25 T30 T40	90	1

**H 43 TX**

**CRANKED SOCKET SCREWDRIVER SET for recessed TORX® screws**  
 ▼ In blue LDPE holder  
 ▼ Execution K with ball end  
 ▼ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



H 43 TX-88



H 43 KTX-07



Code	No.	↺	⊞
1531417	<b>H 43 TX-09</b> T7 T8 T9 T10 T15 T20 T25 T30 T40	109	1
1531425	<b>H 43 TX-88</b> T9 T10 T15 T20 T25 T27 T30 T40	118	1
1531433	<b>H 43 TX-08</b> T10 T15 T20 T25 T27 T30 T40 T45	155	1
1531441	<b>H 43 KTX-07</b> T10 T15 T20 T25 T27 T30 T40	115	1

**SCL 43 TX-80**

**CRANKED SOCKET SCREWDRIVER for recessed TORX® screws**  
 ▼ In robust metal clip  
 ▼ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

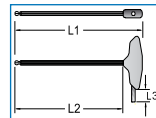


Code	No.	↺	⊞
6346460	<b>SCL 43 TX-80</b> T9 T10 T15 T20 T25 T27 T30 T40	250	1

**DT 43 KTX**

**CRANKED SOCKET SCREWDRIVER WITH T-HANDLE with ball end for recessed TORX® screws**

▼ Working angle approx. 25°  
 ▼ Blue handle with hanging hole  
 ▼ TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	⌀	⌀ mm	★ mm	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	↺	⊞
1505521	<b>DT 43 KTX T10</b>	T10	M3 - M3,5	2.74	150.0	130	12.0	35	1
1505548	<b>DT 43 KTX T15</b>	T15	M3,5 - M4	3.27	170.0	150	12.0	40	1
1505556	<b>DT 43 KTX T20</b>	T20	M4 - M5	3.86	202.5	170	15.5	57	1
1505564	<b>DT 43 KTX T25</b>	T25	M4,5 - M5	4.43	222.5	190	17.5	80	1
1505572	<b>DT 43 KTX T27</b>	T27	M4,5 - M6	4.99	242.5	210	20.0	120	1
1505580	<b>DT 43 KTX T30</b>	T30	M6 - M7	5.52	279.0	240	28.0	155	1
1505599	<b>DT 43 KTX T40</b>	T40	M7 - M8	6.65	309.0	270	28.0	245	1



Detailed information on products, promotions and trade fairs  
 ... [www.gedore.com](http://www.gedore.com)





### 708

#### TORX® GAUGE

- Easy determination of TORX® sizes, internal E4-E16, external T10-T60
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA

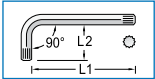
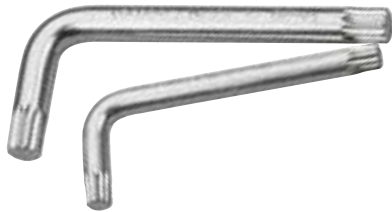


Code	No.	mm	mm	mm	mm
1394428	<b>708</b>	E4 - E16	T10 - T60	21	1

### 42 X

#### CRANKED ALLEN SOCKET SCREWDRIVER for multi-point screws INBUS®XZN

- To DIN 65253, tips DIN 2325

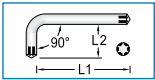


Code	No.	M	L <sub>1</sub>	L <sub>2</sub>	mm	mm
1531212	<b>42 X 4</b>	M 4	63	20	25	5
6350060	<b>42 X 5</b>	M 5	75	30	15	5
6350140	<b>42 X 6</b>	M 6	86	34	25	5
6350220	<b>42 X 8</b>	M 8	98	40	40	5
6350300	<b>42 X 10</b>	M 10	110	46	90	5
6350490	<b>42 X 12</b>	M 12	124	52	140	5
6350570	<b>42 X 14</b>	M 14	139	59	200	5
6350650	<b>42 X 16</b>	M 16	156	72	320	5
6350730	<b>42 X 18</b>	M 18	178	81	370	1

### 43

#### CRANKED SOCKET SCREWDRIVER for multi-spline screws RIBE®

- RIBE® = reg. trademark of Rich. Bergner



Code	No.	M	L <sub>1</sub>	L <sub>2</sub>	mm	mm
6352270	<b>43 5</b>	M 5	71	25	15	5
6352350	<b>43 6</b>	M 6	80	28	25	5
6352430	<b>43 8</b>	M 8	90	32	50	5
6352510	<b>43 10</b>	M 10	100	36	85	5
6352780	<b>43 12</b>	M 12	112	40	140	5
6352860	<b>43 14</b>	M 14	125	45	215	5



### 173

#### CRANKED SCREWDRIVER for slotted head screws

- To DIN 5200, blade tips DIN ISO 2380-1



Code	No.	mm	mm	mm	mm	mm
6437180	<b>173 3,5</b>	3.5	0.6	90	12	5
6437850	<b>173 4</b>	4.0	0.8	100	20	10
6436100	<b>173 5,5</b>	5.5	1.0	125	20	10
6436370	<b>173 8</b>	8.0	1.2	150	50	10
6437930	<b>173 10</b>	10.0	1.6	175	105	5
6436530	<b>173 12</b>	12.0	2.0	200	175	5



### 174

#### CRANKED SCREWDRIVER for cross-slotted head screws PH

- To DIN 5208, tips to DIN ISO 8764-1 PH



Code	No.	PH	M	mm	mm	mm
6436880	<b>174 1</b>	1-2	M2 - M5	100	30	10
6436960	<b>174 3</b>	3-4	M6 - M10	200	110	5

## VOLTAGE TESTER

### 4610

#### CAR LIGHT TESTER

- For testing 6-24 Volt
- Compact brass model
- With cable and alligator crimp



Code	No.	mm	mm	mm
6698570	<b>4610</b>	125	80	10

### 4611

#### VOLTAGE TESTER

- For 6-24 Volt
- With cable and alligator crimp



Code	No.	mm	mm	mm	mm	mm
6698650	<b>4611</b>	3	55	115	27	10

### 4615

#### VOLTAGE TESTER

- For 220-250 Volt AC
- Blade nickel-plated, fully insulated blade conforming to DIN VDE 0680-6
- Handle and insulation in GEDORE blue
- 4615 3 with metal clip and grey cap



Code	No.	mm	mm	mm	mm	mm
6699110	<b>4615 3</b>	0.5	3.0	60	140	16
6699380	<b>4615 3,5</b>	0.6	3.5	90	180	26



**GEDORE**

# TAKE A FIRM GRIP STRONG AND TIGHT

## OVERVIEW

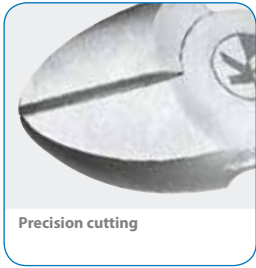
- ✔ Combination pliers
- ✔ Side cutters
- ✔ Circlip pliers
- ✔ Electronic pliers
- ✔ Long-nose pliers
- ✔ Mechanics pliers
- ✔ Lock-grip pliers
- ✔ Crimping pliers
- ✔ Bolt cutters
- ✔ Wire-stripping pliers







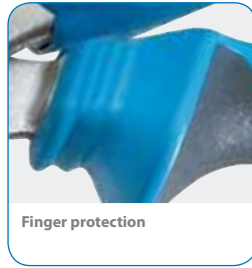
# POWER PLIERS New Look, New Technical Features, New Safety Features



Precision cutting



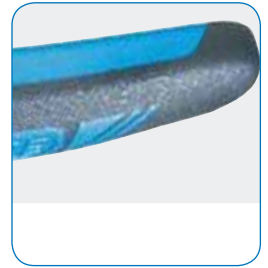
Pivot



Finger protection



2-component handle



1 Extremely strong cutting performance resulting from supplementary GEDORE induction hardening, suitable for heavy industrial use.

2 Optimum application of force transmitted from ergonomically formed grip sleeves.

3 2-component handles for comfort grip, eliminating fatigue over prolonged periods of use.

4 Trapezoidal finger protection stops hands slipping, ensuring maximum safety.

5 Hot-forged, hardened and tempered steel.

### Technical features

### Force equation

$$\Sigma M (\text{rivet}) = 0 = F(\text{hand}) \times L(\text{hand}) = F(\text{cutting edges}) \times L(\text{optimum cutting edge distance})$$

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

# POWER PLIERS

"K" identifies the GEDORE Power Pliers range, offering increased cutting and gripping force with up to 35% less effort.





# MANUFACTURING PROCESS FOR 8250 COMBINATION PLIERS



Blank cropped to size from C50 hardened and tempered steel.



Hot forged in the double forging die. The excess burr is removed under an eccentric press



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.



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.



The joint faces are precision milled. The pliers head takes on its final form.



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.



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.



The 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.



The pliers head is ground to achieve a flush geometry.



The surface is cleaned by sand blasting. The removal of scale and grease is necessary for the follow-on electroplating process.



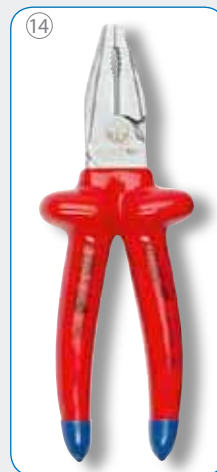
Nickel-plated and matt-chrome-plated to prevent dazzle. The electrolytically deposited nickel coating provides the corrosion protection. The electroplated chrome improves the look and gives the pliers a perfect finish.



TL pliers are painted black by a robot, using water soluble paint.



The 2-component handles are pressed on and bonded.



The plastic coating on the handles is built up by multiple dipping in liquid immersion compound.

**Tip:** An occasional drop of oil on the joint will ensure that your pliers have a long life. 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.





**PLIERS RANGE**

- ✔ 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
- ✔ TL = black, with blue dipped handle protectors
- ✔ JC = chrome-plated, 2-component handles with secure-grip hand protection
- ✔ **SB = self-service pack = plastic hanging clip, Euro perforation, for self-service display wallboard**
- ✔ 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





**GEDORE PLIERS RANGE**

**S 8003 JC**

**PLIERS SET 3 pieces**

- ✔ Practical set composition in environmentally-friendly cardboard box





Code	No.	Contents		
6701110	<b>S 8003 JC</b>	<b>8132-160 JC</b> <b>8250-180 JC</b> <b>8316-160 JC</b>	720	1

**S 8003 TL**

**PLIERS SET 3 pieces**

- ✔ Practical set composition in environmentally-friendly cardboard box





Code	No.	Contents		
6755470	<b>S 8003 TL</b>	<b>8132-160 TL</b> <b>8250-180 TL</b> <b>8316-160 TL</b>	660	1

**S 8303 JC**

**PLIERS SET 3 pieces**

- ✔ Practical set composition in environmentally-friendly cardboard box





Code	No.	Contents		
6703160	<b>S 8303 JC</b>	<b>142 10 JC</b> <b>8250-180 JC</b> <b>8316-160 JC</b>	1070	1

**S 8303 TL**

**PLIERS SET 3 pieces**

- ✔ Practical set composition in environmentally-friendly cardboard box





Code	No.	Contents		
6703910	<b>S 8303 TL</b>	<b>142 10 TL</b> <b>8250-180 TL</b> <b>8316-160 TL</b>	970	1

**S 8004 TL**

**PLIERS SET 3 pieces**

- ✔ Practical set composition in environmentally-friendly cardboard box





Code	No.	Contents		
6752960	<b>S 8004 TL</b>	<b>8132-160 TL</b> <b>8245-180 TL</b> <b>8316-160 TL</b>	600	1

**S 8200 JC**

**PLIERS SET 4 pieces**

- ✔ Practical set composition in environmentally-friendly cardboard box





Code	No.	Contents		
6730800	<b>S 8200 JC</b>	<b>8098-160 JC</b> <b>8132-160 JC</b> <b>8250-180 JC</b> <b>8314-160 JC</b>	750	1

**S 8200 TL**

**PLIERS SET 4 pieces**

- ✔ Practical set composition in environmentally-friendly cardboard box



Code	No.	Contents		
6738700	<b>S 8200 TL</b>	<b>8098-160 TL</b> <b>8132-160 TL</b> <b>8250-180 TL</b> <b>8314-160 TL</b>	770	1



Deviant packing units see article description.



### VS 8001 JC

#### UNIVERSAL PLIERS ASSORTMENT 48 pieces

- Most-used sizes for shop counter or perforated wallboard display
- In sales stand



Code	No.	Contents	📏	📦
6751480	<b>VS 8001 JC</b>	6x <b>8132</b> -160 JC 6x <b>8132</b> -200 JC 6x <b>8132 AB</b> -200 JC 6x <b>8098</b> -160 JC 6x <b>8250</b> -180 JC 6x <b>8250</b> -200 JC 6x <b>8316</b> -160 JC 6x <b>8316</b> -200 JC	14.0	1

### VS 8002 TL

#### UNIVERSAL PLIERS ASSORTMENT 48 pieces

- Most-used sizes for shop counter or perforated wallboard display
- In sales stand



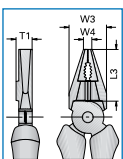
Code	No.	Contents	📏	📦
6751720	<b>VS 8002 TL</b>	6x <b>8132</b> -160 TL 6x <b>8132</b> -200 TL 6x <b>8132 AB</b> -200 TL 6x <b>8098</b> -160 TL 6x <b>8250</b> -180 TL 6x <b>8250</b> -200 TL 6x <b>8316</b> -160 TL 6x <b>8316</b> -200 TL	14.0	1

## COMBINATION PLIERS

### 8200

#### SMALL COMBINATION PLIERS

- Practical small combination pliers especially for confined spaces or as car-boot tool
- For flat and round material
- Similar to DIN ISO 5746

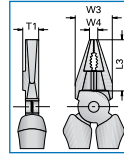


Code	No.	L	L <sub>1</sub>	W <sub>1</sub>	W <sub>2</sub>	T <sub>1</sub>	📏	📦
6730480	<b>8200-125 JCP</b>	125	25	16	3.2	7.6	80	1
1700405	<b>SB 8200-125 JCP</b>	125	25	16	3.2	7.6	90	1

### 8210

#### COMBINATION PLIERS German pattern

- Lay-on cutter box
- Induction-hardened precision cutting edges, hardness 62-64 HRC
- For medium-hard and hard wire
- To DIN ISO 5746



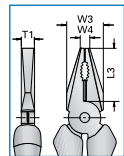
Code	No.	L	L <sub>1</sub>	W <sub>1</sub>	W <sub>2</sub>	T <sub>1</sub>	📏	📦
6731100	<b>8210-160 JC</b>	160	34	23.0	5.8	10.8	200	5
6711340	<b>8210-160 TL</b>	160	34	23.0	5.8	10.8	200	5
6731530	<b>8210-180 JC</b>	180	38	27.0	6.4	11.8	250	5
6711420	<b>8210-180 TL</b>	180	38	27.0	6.4	11.8	240	5
6732180	<b>8210-200 JC</b>	200	42	29.5	7.4	12.5	320	5
6711850	<b>8210-200 TL</b>	200	42	29.5	7.4	12.5	320	5

Code	No.	L	L <sub>1</sub>	W <sub>1</sub>	W <sub>2</sub>	T <sub>1</sub>	📏	📦
1698664	<b>SB 8210-160 JC</b>	160	34	23.0	5.8	10.8	210	5
1698699	<b>SB 8210-160 TL</b>	160	34	23.0	5.8	10.8	210	5
1698672	<b>SB 8210-180 JC</b>	180	38	27.0	6.4	11.8	260	5
1698702	<b>SB 8210-180 TL</b>	180	38	27.0	6.4	11.8	250	5
1698680	<b>SB 8210-200 JC</b>	200	42	29.5	7.4	12.5	330	5
1698710	<b>SB 8210-200 TL</b>	200	42	29.5	7.4	12.5	330	5

### 8245

#### COMBINATION PLIERS Euro pattern

- Universal model with slimline head
- Induction-hardened precision cutting edges, hardness 62-64 HRC
- For medium-hard and hard wire
- To DIN ISO 5746



Code	No.	L	L <sub>1</sub>	W <sub>1</sub>	W <sub>2</sub>	T <sub>1</sub>	📏	📦
6733070	<b>8245-160 JC</b>	160	34	23.0	5.8	8.8	191	5
6730050	<b>8245-160 TL</b>	160	34	23.0	5.8	8.8	162	5
6733150	<b>8245-180 JC</b>	180	38	27.0	6.4	9.8	260	5
6730210	<b>8245-180 TL</b>	180	38	27.0	6.4	9.8	230	5
6733230	<b>8245-200 JC</b>	200	42	29.5	7.4	10.5	350	5
6730720	<b>8245-200 TL</b>	200	42	29.5	7.4	10.5	280	5

Code	No.	L	L <sub>1</sub>	W <sub>1</sub>	W <sub>2</sub>	T <sub>1</sub>	📏	📦
1698753	<b>SB 8245-160 JC</b>	160	34	23.0	5.8	8.8	201	5
1698729	<b>SB 8245-160 TL</b>	160	34	23.0	5.8	8.8	172	5
1698761	<b>SB 8245-180 JC</b>	180	38	27.0	6.4	9.8	270	5
1698737	<b>SB 8245-180 TL</b>	180	38	27.0	6.4	9.8	240	5
1698788	<b>SB 8245-200 JC</b>	200	42	29.5	7.4	10.5	360	5
1698745	<b>SB 8245-200 TL</b>	200	42	29.5	7.4	10.5	290	5

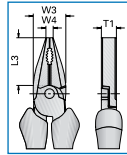




**8250**

**POWER COMBINATION PLIERS**

- For heavy, continuous use
- Good lever action for easy cutting
- Induction-hardened precision cutting edges, hardness 62-64 HRC
- To cut all wire types including piano wire
- To DIN ISO 5746



Code	No.	L	L <sub>1</sub>	W <sub>3</sub>	W <sub>4</sub>	T <sub>1</sub>	↔	📦
1429566	<b>8250-160 JC</b>	160	35.0	22.8	5.8	10.4	194	5
1429574	<b>8250-160 TL</b>	160	35.0	22.8	5.8	10.4	168	5
6707070	<b>8250-180 JC</b>	180	38.5	25.6	6.5	11.0	240	5
6707660	<b>8250-180 TL</b>	180	38.5	25.6	6.5	11.0	210	5
6707310	<b>8250-200 JC</b>	200	39.5	27.0	6.5	12.4	320	5
6707740	<b>8250-200 TL</b>	200	39.5	27.0	6.5	12.4	270	5
6708040	<b>8250-225 TL</b>	225	42.2	27.7	6.5	13.0	320	1

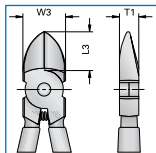
Code	No.	L	L <sub>1</sub>	W <sub>3</sub>	W <sub>4</sub>	T <sub>1</sub>	↔	📦
1698826	<b>SB 8250-160 JC</b>	160	35.0	22.8	5.8	10.4	204	5
1698834	<b>SB 8250-160 TL</b>	160	35.0	22.8	5.8	10.4	178	5
1698877	<b>SB 8250-180 JC</b>	180	38.5	25.6	6.5	11.0	250	5
1698842	<b>SB 8250-180 TL</b>	180	38.5	25.6	6.5	11.0	220	5
1698885	<b>SB 8250-200 JC</b>	200	39.5	27.0	6.5	12.4	330	5
1698850	<b>SB 8250-200 TL</b>	200	39.5	27.0	6.5	12.4	280	5
1698869	<b>SB 8250-225 TL</b>	225	42.2	27.7	6.5	13.0	330	1

**SIDE CUTTERS / END CUTTING NIPPERS**

**8313**

**SIDE CUTTER for plastic**

- Without cutting edge bevel, for flush cutting of plastic parts
- Black, cutting faces flat-ground, with compression spring for automatic opening



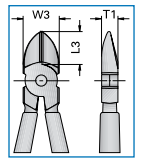
Code	No.	L	L <sub>1</sub>	W <sub>3</sub>	T <sub>1</sub>	↔	📦
6745910	<b>8313-125 TL</b>	125	16.0	17.0	8.5	95	1
6746050	<b>8313-140 TL</b>	140	18.5	18.5	9.5	119	1
6746130	<b>8313-160 TL</b>	160	19.0	22.0	10.0	163	1

Code	No.	L	L <sub>1</sub>	W <sub>3</sub>	T <sub>1</sub>	↔	📦
1699741	<b>SB 8313-125 TL</b>	125	16.0	17.0	8.5	105	1
1699768	<b>SB 8313-140 TL</b>	140	18.5	18.5	9.5	129	1
1699776	<b>SB 8313-160 TL</b>	160	19.0	22.0	10.0	173	1

**8314**

**SIDE CUTTER Swedish pattern**

- For medium-hard wire
- Induction-hardened precision cutting edges, hardness 63-65 HRC
- To DIN ISO 5749
- Max. cutting capacity Ø mm

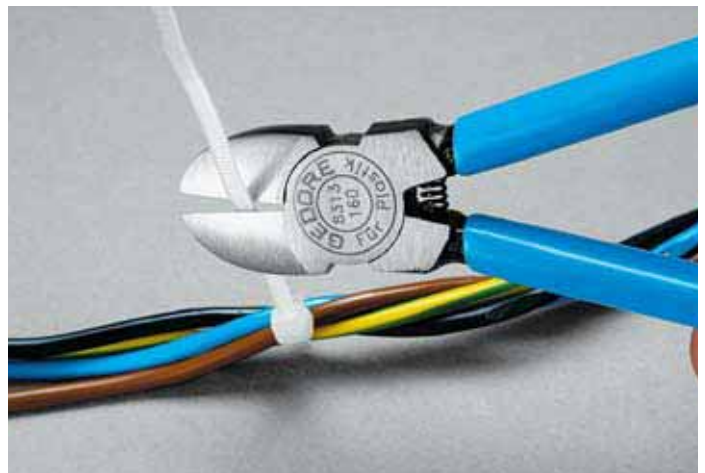


Code	No.	L	L <sub>1</sub>	W <sub>3</sub>	T <sub>1</sub>	Ø mm	↔	📦
6742300	<b>8314-125 JC</b>	125	16.0	17.0	8.5	1,6	118	5
6740870	<b>8314-125 TL</b>	125	16.0	17.0	8.5	1,6	96	5
6742730	<b>8314-140 JC</b>	140	18.5	18.5	9.5	1,6	152	5
6740950	<b>8314-140 TL</b>	140	18.5	18.5	9.5	1,6	120	5
6743380	<b>8314-160 JC</b>	160	19.0	22.0	10.0	1,6	190	5
6741090	<b>8314-160 TL</b>	160	19.0	22.0	10.0	1,6	165	5

Code	No.	L	L <sub>1</sub>	W <sub>3</sub>	T <sub>1</sub>	Ø mm	↔	📦
1698923	<b>SB 8314-125 JC</b>	125	16.0	17.0	8.5	1,6	128	5
1698893	<b>SB 8314-125 TL</b>	125	16.0	17.0	8.5	1,6	106	5
1698931	<b>SB 8314-140 JC</b>	140	18.5	18.5	9.5	1,6	162	5
1698907	<b>SB 8314-140 TL</b>	140	18.5	18.5	9.5	1,6	130	5
1698966	<b>SB 8314-160 JC</b>	160	19.0	22.0	10.0	1,6	200	5
1698915	<b>SB 8314-160 TL</b>	160	19.0	22.0	10.0	1,6	175	5

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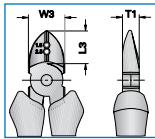




### 8315

#### ELECTRICIANS' SIDE CUTTER

- Double-function electricians' side cutters: for cutting and stripping wire
- Stripping notches for single and multi-strand wire, 1.5 mm<sup>2</sup> and 2,5 mm<sup>2</sup> conductor cross-section
- Induction-hardened precision cutting edges, hardness 61-63 HRC



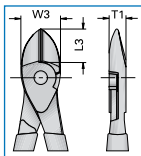
Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	T <sub>1</sub>	↕	☒
1396722	<b>8315-160 JC</b>	160	19	22	10	200	1

Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	T <sub>1</sub>	↕	☒
1699202	<b>SB 8315-160 JC</b>	160	19	22	10	210	1

### 8316

#### POWER SIDE CUTTER American pattern

- For hard wire, including piano wire
- Induction-hardened precision cutting edges, hardness 63-65 HRC
- To DIN ISO 5749
- Max. cutting capacity Ø mm



Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	T <sub>1</sub>	Ø mm	↕	☒
6744190	<b>8316-140 JC</b>	140	17.0	22.0	9.5	1,4	152	5
6711930	<b>8316-140 TL</b>	140	17.0	22.0	9.5	1,4	132	5
6744510	<b>8316-160 JC</b>	160	19.0	24.5	10.0	1,6	210	5
6712070	<b>8316-160 TL</b>	160	19.0	24.5	10.0	1,6	185	5
1439588	<b>8316-180 JC</b>	180	22.6	26.0	11.0	1,8	230	5
1439596	<b>8316-180 TL</b>	180	22.6	26.0	11.0	1,8	210	5
6745080	<b>8316-200 JC</b>	200	22.0	28.0	11.0	2,0	305	5
6712150	<b>8316-200 TL</b>	200	22.0	28.0	11.0	2,0	250	5

Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	T <sub>1</sub>	Ø mm	↕	☒
1699024	<b>SB 8316-140 JC</b>	140	17.0	22.0	9.5	1,4	162	5
1698974	<b>SB 8316-140 TL</b>	140	17.0	22.0	9.5	1,4	142	5
1699032	<b>SB 8316-160 JC</b>	160	19.0	24.5	10.0	1,6	220	5
1698990	<b>SB 8316-160 TL</b>	160	19.0	24.5	10.0	1,6	195	5
1699040	<b>SB 8316-180 JC</b>	180	22.6	26.0	11.0	1,8	240	5
1699008	<b>SB 8316-180 TL</b>	180	22.6	26.0	11.0	1,8	220	5
1699059	<b>SB 8316-200 JC</b>	200	22.0	28.0	11.0	2,0	315	5
1699016	<b>SB 8316-200 TL</b>	200	22.0	28.0	11.0	2,0	260	5



### 8318

#### LEVER-ACTION SIDE CUTTER

- For hard wire
- Double-jointed for maximum cutting performance
- Head and joint made from special steel, head gun-metal finished
- Handles chrome-plated and PVC coated



Code	No.	Ø mm	↕ mm	↕ inch	↕	☒
6745590	<b>8318-160 TL</b>	1,6	160	6.1/2	190	1

Code	No.	Ø mm	↕ mm	↕ inch	↕	☒
1700553	<b>SB 8318-160 TL</b>	1,6	160	6.1/2	200	1

### 8330

#### LEVER-ACTION SIDE CUTTER

- For hard wire
- C65 tool steel, fully forged
- Blue hammer-enamel finish
- To DIN ISO 5749
- \* not standardised



Code	No.	*	Ø mm	↕ mm	↕ inch	↕	☒
6747370	<b>8330-180</b>	*	2,5	198	7	410	1
6747450	<b>8330-225</b>		2,5	225	8.3/4	540	1

### 8370

#### LEVER-ACTION END CUTTING NIPPER

- For hard wire
- C65 tool steel, fully forged
- Blue hammer-enamel finish
- To DIN ISO 5748
- \* not standardised



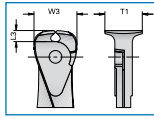
Code	No.	*	Ø mm	↕ mm	↕ inch	↕	☒
6750830	<b>8370-180</b>		2,0	180	7	460	1
6751050	<b>8370-210</b>		2,0	210	8.1/2	610	1
6751210	<b>8370-235</b>	*	2,5	235	9.1/4	755	1



**8367**

**END NIPPER POWER**

- For hard wire, including piano wire
- Induction-hardened precision cutting edges, hardness 63-65 HRC
- To DIN ISO 5748



Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	T <sub>1</sub>	Ø mm	↔	☒
6749150	<b>8367-160 JC</b>	160	6.9	27	23.5	1,6	220	5
6712230	<b>8367-160 TL</b>	160	6.9	27	23.5	1,6	198	5

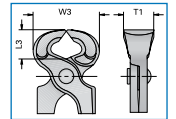
Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	T <sub>1</sub>	Ø mm	↔	☒
1699814	<b>SB 8367-160 JC</b>	160	6.9	27	23.5	1,6	230	5
1699806	<b>SB 8367-160 TL</b>	160	6.9	27	23.5	1,6	208	5



**8381**

**PINCER**

- Standard heavy-duty pincers
- To DIN ISO 9243, Form A
- Induction-hardened precision cutting edges, hardness 61-63 HRC
- Heads ground, black with blue dipped handle protectors



Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	T <sub>1</sub>	↔	☒
6752370	<b>8381-160 TL</b>	160	21.0	48	20	225	1
6751800	<b>8381-180 TL</b>	180	21.0	50	23	340	1
6751990	<b>8381-200 TL</b>	200	23.5	55	26	410	1
6752450	<b>8381-225 TL</b>	225	23.5	55	25	450	1
6752530	<b>8381-250 TL</b>	250	23.5	58	27	525	1

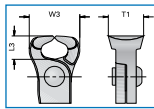
  

Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	T <sub>1</sub>	↔	☒
1699210	<b>SB 8381-160 TL</b>	160	21.0	48	20	235	1
1699261	<b>SB 8381-180 TL</b>	180	21.0	50	23	350	1
1699229	<b>SB 8381-200 TL</b>	200	23.5	55	26	420	1
1699326	<b>SB 8381-225 TL</b>	225	23.5	55	25	460	1
1699504	<b>SB 8381-250 TL</b>	250	23.5	58	27	535	1

**8380**

**TOWER PINCER**

- Heavy-duty wire braid and mesh-cutting pincers
- To DIN ISO 9242, Form A
- Induction-hardened precision cutting edges, hardness 61-63 HRC
- Heads ground, black with blue dipped handle protectors
- Geometrically optimised head and handle areas for ergonomic use



Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	T <sub>1</sub>	↔	☒
6752020	<b>8380-225 TL</b>	225	16	31	22	315	1
6752100	<b>8380-250 TL</b>	250	16	35	25	410	1
6752290	<b>8380-280 TL</b>	280	16	35	25	450	1

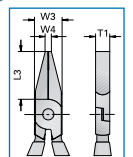
Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	T <sub>1</sub>	↔	☒
1699334	<b>SB 8380-225 TL</b>	225	16	31	22	325	1
1699784	<b>SB 8380-250 TL</b>	250	16	35	25	420	1
1699792	<b>SB 8380-280 TL</b>	280	16	35	25	460	1

**FLAT NOSE / ROUND NOSE PLIERS**

**8110**

**FLAT NOSE PLIERS without wire cutter, serrated**

- Short jaws, serrated gripping faces
- DIN ISO 5745



Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	W <sub>4</sub>	T <sub>1</sub>	↔	☒
6711690	<b>8110-140 JC</b>	140	28.5	16.5	3.6	8.5	127	1
6711500	<b>8110-140 TL</b>	140	28.5	16.5	3.6	8.5	104	1

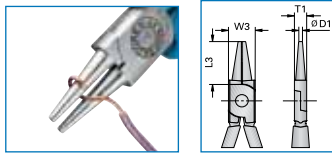
  

Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	W <sub>4</sub>	T <sub>1</sub>	↔	☒
1699547	<b>SB 8110-140 JC</b>	140	28.5	16.5	3.6	8.5	137	1
1699539	<b>SB 8110-140 TL</b>	140	28.5	16.5	3.6	8.5	114	1



**8112****ROUND NOSE PLIERS serrated**

- Short jaws, serrated gripping faces
- Similar to DIN ISO 5745

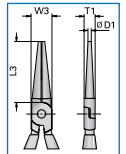


Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	D <sub>1</sub>	T <sub>1</sub>	↔	☒
6713390	<b>8112-140 JC</b>	140	29.0	17.0	2.5	8.5	117	1
6713200	<b>8112-140 TL</b>	140	28.5	16.5	2.5	8.5	92	1

Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	D <sub>1</sub>	T <sub>1</sub>	↔	☒
1699598	<b>SB 8112-140 JC</b>	140	29.0	17.0	2.5	8.5	127	1
1699571	<b>SB 8112-140 TL</b>	140	28.5	16.5	2.5	8.5	102	1

**8122****ROUND NOSE PLIERS serrated**

- Long jaws, serrated gripping faces
- DIN ISO 5745



Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	D <sub>1</sub>	T <sub>1</sub>	↔	☒
6716490	<b>8122-140 JC</b>	140	40	15.5	2.3	8.2	111	1
6710450	<b>8122-140 TL</b>	140	40	15.5	2.3	8.2	91	1
6716810	<b>8122-160 JC</b>	160	48	16.5	2.5	8.7	125	5
6710530	<b>8122-160 TL</b>	160	48	16.5	2.5	8.7	112	5

Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	D <sub>1</sub>	T <sub>1</sub>	↔	☒
1699636	<b>SB 8122-140 JC</b>	140	40	15.5	2.3	8.2	121	1
1699601	<b>SB 8122-140 TL</b>	140	40	15.5	2.3	8.2	101	1
1699644	<b>SB 8122-160 JC</b>	160	48	16.5	2.5	8.7	135	5
1699628	<b>SB 8122-160 TL</b>	160	48	16.5	2.5	8.7	122	5

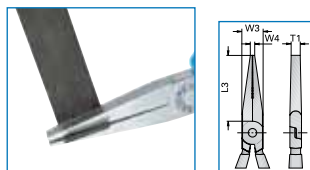
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**8120****FLAT NOSE PLIERS without wire cutter, serrated**

- Long jaws, serrated gripping faces
- DIN ISO 5745

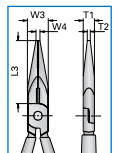


Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	W <sub>4</sub>	T <sub>1</sub>	↔	☒
6715170	<b>8120-160 JC</b>	160	51	16.5	3.4	9	140	5
6710370	<b>8120-160 TL</b>	160	51	16.5	3.4	9	121	5

Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	W <sub>4</sub>	T <sub>1</sub>	↔	☒
1699563	<b>SB 8120-160 JC</b>	160	51	16.5	3.4	9	150	5
1699555	<b>SB 8120-160 TL</b>	160	51	16.5	3.4	9	131	5

**8132****NEEDLE NOSE PLIERS with wire cutter, serrated, straight pattern**

- Flat-round jaws, straight gripping faces, serrated
- To DIN ISO 5745
- Induction-hardened precision cutting edges, hardness 61-63 HRC



Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	W <sub>4</sub>	T <sub>1</sub>	T <sub>2</sub>	↔	☒
6718860	<b>8132-140 JC</b>	140	42.0	15.0	2.5	7.8	2.0	118	5
6710610	<b>8132-140 TL</b>	140	42.0	15.0	2.5	7.8	2.0	103	5
6719240	<b>8132-160 JC</b>	160	50.0	16.5	3.2	9.0	2.5	140	5
6710880	<b>8132-160 TL</b>	160	50.0	16.5	3.2	9.0	2.5	120	5
6719670	<b>8132-200 JC</b>	200	75.7	18.5	3.7	9.5	2.8	200	5
6710960	<b>8132-200 TL</b>	200	75.7	18.5	3.7	9.5	2.8	175	5

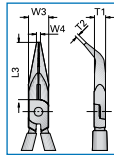
Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	W <sub>4</sub>	T <sub>1</sub>	T <sub>2</sub>	↔	☒
1699083	<b>SB 8132-140 JC</b>	140	42.0	15.0	2.5	7.8	2.0	128	5
1699652	<b>SB 8132-140 TL</b>	140	42.0	15.0	2.5	7.8	2.0	113	5
1699091	<b>SB 8132-160 JC</b>	160	50.0	16.5	3.2	9.0	2.5	150	5
1699067	<b>SB 8132-160 TL</b>	160	50.0	16.5	3.2	9.0	2.5	130	5
1699105	<b>SB 8132-200 JC</b>	200	75.7	18.5	3.7	9.5	2.8	210	5
1699075	<b>SB 8132-200 TL</b>	200	75.7	18.5	3.7	9.5	2.8	185	5



**8132 AB**

**NEEDLE NOSE PLIERS with wire cutter, serrated, angled pattern**

- Flat-round jaws, angled gripping faces, serrated
- Induction-hardened precision cutting edges, hardness 61-63 HRC
- Similar to DIN ISO 5745



Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	W <sub>4</sub>	T <sub>1</sub>	T <sub>2</sub>	↕	☒
6720920	<b>8132 AB-160 JC</b>	160	46.0	16.5	3.2	9.0	2.5	140	5
6711180	<b>8132 AB-160 TL</b>	160	46.0	16.5	3.2	9.0	2.5	120	5
6721300	<b>8132 AB-200 JC</b>	200	70.5	18.5	3.7	9.5	2.8	200	5
6711260	<b>8132 AB-200 TL</b>	200	70.5	18.5	3.7	9.5	2.8	175	5

Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	W <sub>4</sub>	T <sub>1</sub>	T <sub>2</sub>	↕	☒
1699148	<b>SB 8132 AB-160 JC</b>	160	46.0	16.5	3.2	9.0	2.5	150	5
1699113	<b>SB 8132 AB-160 TL</b>	160	46.0	16.5	3.2	9.0	2.5	130	5
1699156	<b>SB 8132 AB-200 JC</b>	200	70.5	18.5	3.7	9.5	2.8	210	5
1699121	<b>SB 8132 AB-200 TL</b>	200	70.5	18.5	3.7	9.5	2.8	185	5



**8133**

**TRIPLE PLIERS**

- Flat-round jaws, straight gripping faces, serrated
- With wire cutter
- For stripping and crimping of 0.5/1.5 and 2.5 mm<sup>2</sup>



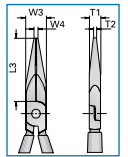
Code	No.	↳mm↵	↕	☒	☒
6722110	<b>8133-180 JC</b>	180	180	5	☒
1997394	<b>8133-180 TL</b>	180	160	5	☒

Code	No.	↳mm↵	↕	☒	☒
1700189	<b>SB 8133-180 JC</b>	180	190	5	☒
2011441	<b>SB 8133-180 TL</b>	180	170	5	☒

**8135**

**TELEPHONE PLIERS without wire cutter, serrated, straight pattern**

- Flat-round tapered jaws, cross-hatched gripping surfaces and fine-tipped nose
- DIN ISO 5745, straight pattern



Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	W <sub>4</sub>	T <sub>1</sub>	T <sub>2</sub>	↕	☒
6722380	<b>8135-140 JC</b>	140	42	15.0	2.5	7.8	2.0	114	1
6722460	<b>8135-140 TL</b>	140	42	15.0	2.5	7.8	2.0	95	1
6722540	<b>8135-160 JC</b>	160	50	16.5	3.2	9.0	2.5	149	1
6722620	<b>8135-160 TL</b>	160	50	16.5	3.2	9.0	2.5	128	1

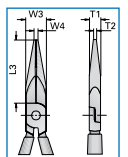
Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	W <sub>4</sub>	T <sub>1</sub>	T <sub>2</sub>	↕	☒
1700510	<b>SB 8135-140 JC</b>	140	42	15.0	2.5	7.8	2.0	124	1
1700499	<b>SB 8135-140 TL</b>	140	42	15.0	2.5	7.8	2.0	105	1
1700529	<b>SB 8135-160 JC</b>	160	50	16.5	3.2	9.0	2.5	159	1
1700502	<b>SB 8135-160 TL</b>	160	50	16.5	3.2	9.0	2.5	138	1

**MECHANICS PLIERS**

**8136**

**MECHANICS PLIERS without wire cutter, straight pattern**

- Without wire cutter, flat-round tapered jaws, cross-hatched gripping surfaces
- DIN ISO 5745
- Fine-tipped nose, for safe work in confined spaces



Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	W <sub>4</sub>	T <sub>1</sub>	T <sub>2</sub>	↕	☒
6722700	<b>8136-200 JC</b>	200	75.7	18.5	3.7	9.5	2.8	210	1
6722890	<b>8136-200 TL</b>	200	75.7	18.5	3.7	9.5	2.8	178	1

Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	W <sub>4</sub>	T <sub>1</sub>	T <sub>2</sub>	↕	☒
1699679	<b>SB 8136-200 JC</b>	200	75.7	18.5	3.7	9.5	2.8	220	1
1699660	<b>SB 8136-200 TL</b>	200	75.7	18.5	3.7	9.5	2.8	188	1

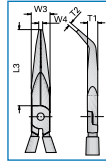




### 8136 AB

#### MECHANICS PLIERS without wire cutter, angled pattern

- Without wire cutter, flat-round tapered jaws, cross-hatched gripping surfaces
- Fine-tipped nose, for safe work in confined spaces
- Similar to DIN ISO 5745



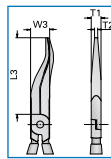
Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	W <sub>4</sub>	T <sub>1</sub>	T <sub>2</sub>	↔	☒
6722970	<b>8136 AB-200 JC</b>	200	70	18.5	3.7	9.5	2.8	210	1
6723000	<b>8136 AB-200 TL</b>	200	70	18.5	3.7	9.5	2.8	178	1

Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	W <sub>4</sub>	T <sub>1</sub>	T <sub>2</sub>	↔	☒
1699695	<b>SB 8136 AB-200 JC</b>	200	70	18.5	3.7	9.5	2.8	220	1
1699687	<b>SB 8136 AB-200 TL</b>	200	70	18.5	3.7	9.5	2.8	188	1

### 8137

#### MECHANICS PLIERS without wire cutter, offset pattern

- Without wire cutter, flat-round tapered jaws, cross-hatched gripping surfaces
- Fine-tipped nose, for safe holding and gripping in assembly work in inaccessible places



Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	T <sub>1</sub>	T <sub>2</sub>	↔	☒
6723190	<b>8137-200 JC</b>	200	74	18.5	9.5	2.8	210	1
6723270	<b>8137-200 TL</b>	200	74	18.5	9.5	2.8	178	1

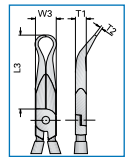
Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	T <sub>1</sub>	T <sub>2</sub>	↔	☒
1699717	<b>SB 8137-200 JC</b>	200	74	18.5	9.5	2.8	220	1
1699709	<b>SB 8137-200 TL</b>	200	74	18.5	9.5	2.8	188	1



### 8138

#### MECHANICS PLIERS without wire cutter, 30° angled

- Without wire cutter, 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



Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	T <sub>1</sub>	T <sub>2</sub>	↔	☒
6723350	<b>8138-200 JC</b>	200	68	18.5	9.5	2.8	210	1
6723430	<b>8138-200 TL</b>	200	68	18.5	9.5	2.8	178	1

Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	T <sub>1</sub>	T <sub>2</sub>	↔	☒
1699733	<b>SB 8138-200 JC</b>	200	68	18.5	9.5	2.8	220	1
1699725	<b>SB 8138-200 TL</b>	200	68	18.5	9.5	2.8	188	1



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**ELECTRONIC PLIERS**

- Welded-in double leaf spring cannot be lost, ensuring perfect functioning and a long service life
- Precision box joint, induction-hardened cutting edges
- 2-component handles with thermoplastic inserts, slip-inhibiting comfort grip
- Precision-polished faces
- Two different bevel edge designs for different uses:
  - mini bevel for a normal cut
  - no bevel for almost flush cut
- ESD = electrostatic discharge protection
- 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
- B = non-glare gun-metal finish for reflection-free working
- SB = self-service pack = plastic hanging clip, Euro perforation, for self-service display wallboard
- BL [JL] = Jaw length, SL [CL] = Cutting edge length



**Attention! Safety Note!**  
Due to the conductivity of the ESD 2-component handles, these tools must not be brought into contact with live conductors passing a voltage sufficient to cause an electric shock.



**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 microfibre cloth



Code	No.	Contents	CL	mm	mm	mm	mm
195551	S 8305 ESD	8305-9 8306-1 8306-6 8307-2 8307-3 8308-1	665				



**ELECTRONIC SIDE CUTTERS**

- Induction-hardened precision cutting edges, 61-63 HRC

**8306-1**

**ELECTRONIC SIDE CUTTER**

- Oval head, with mini bevel
- Cutting values:
  - Hard wire: 0.4 mm/AWG 26
  - Soft steel: 1.0 mm/AWG 18
  - Copper wire: 1.5 mm/AWG 15



Code	No.	CL	mm	mm	mm	mm
6726450	8306-1	12	125	65		1

Code	No.	CL	mm	mm	mm	mm
1700561	SB 8306-1	12	125	75		1

**8306-2**

**MINIATURE ELECTRONIC SIDE CUTTER**

- Short, oval head, without bevel
- Cutting values:
  - Soft steel: 0.6 mm/AWG 22
  - Copper wire: 1.2 mm/AWG 16



Code	No.	CL	mm	mm	mm	mm
6726530	8306-2	9	120	60		1

Code	No.	CL	mm	mm	mm	mm
1700588	SB 8306-2	9	120	70		1

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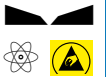
... [www.gedore.com](http://www.gedore.com)



**8306-4**

**ELECTRONIC SIDE CUTTER**

- Oval head, without bevel
- Cutting values:
  - Soft steel: 1.0 mm/AWG 18
  - Copper wire: 1.5 mm/AWG 15



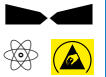
Code	No.	CL	mm	mm	mm	mm
6727180	8306-4	14	125	65		1

Code	No.	CL	mm	mm	mm	mm
1700618	SB 8306-4	14	125	75		1

**8306-5**

**MINIATURE ELECTRONIC SIDE CUTTER**

- Pointed head, with mini bevel
- Cutting values:
  - Hard wire: 0.4 mm/AWG 26
  - Soft steel: 1.0 mm/AWG 18
  - Copper wire: 1.2 mm/AWG 16



Code	No.	CL	mm	mm	mm	mm
6727340	8306-5	12	125	50		1

Code	No.	CL	mm	mm	mm	mm
1700626	SB 8306-5	12	125	60		1

**8306-6**

**MINIATURE ELECTRONIC SIDE CUTTER**

- Short, head pointed and flattened (relief-milled), without bevel
- Cutting values:
  - Soft steel: 0.6 mm/AWG 22
  - Copper wire: 1.0 mm/AWG 18



Code	No.	CL	mm	mm	mm	mm
6727500	8306-6	10	120	65		1

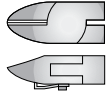
Code	No.	CL	mm	mm	mm	mm
1700634	SB 8306-6	10	120	75		1



### 8306-8

#### MINIATURE ELECTRONIC SIDE CUTTER

- With wire gripper
- Oval head, with mini-bevel
- Cutting values:  
Hard wire: 0.4 mm/AWG 26  
Soft steel: 1.0 mm/AWG 18  
Copper wire: 1.5 mm/AWG 15



Code	No.	CL	↳mm↳	↕	☒
6727930	<b>8306-8</b>	13	125	65	1

Code	No.	CL	↳mm↳	↕	☒
1700650	<b>SB 8306-8</b>	13	125	75	1



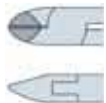
### ELECTRONIC SIDE CUTTER CARBIDE

- 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
- Cutting values:  
Piano wire: 0.6 mm/AWG 22  
Hard steel: 1.0 mm/AWG 18  
Nickel wire: 1.2 mm/AWG 16



Code	No.	CL	↳mm↳	↕	☒
6727770	<b>8306-7</b>	11	125	65	1

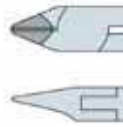
Code	No.	CL	↳mm↳	↕	☒
1700642	<b>SB 8306-7</b>	11	125	75	1



### 8306-9

#### SIDE CUTTER CARBIDE SMD

- Tungsten-carbide cutting edges for maximum cutting performance
- Slim, pointed 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



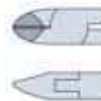
Code	No.	CL	↳mm↳	↕	☒
1743414	<b>8306-9</b>	11	125	65	1

Code	No.	CL	↳mm↳	↕	☒
1745751	<b>SB 8306-9</b>	11	125	75	1

### 8306-10

#### ELECTRONIC SIDE CUTTER CARBIDE

- Oval head, with bevel
- Especially suitable for cutting glass fibre and Kevlar®
- Carbide cutting edges for maximum cutting performance



Code	No.	CL	↳mm↳	↕	☒
1743422	<b>8306-10</b>	11	125	65	1

Code	No.	CL	↳mm↳	↕	☒
1745778	<b>SB 8306-10</b>	11	125	75	1

### 8308-2

#### ELECTRONIC CARBIDE MINI DIAGONAL CUTTER

- Long service life
- Tungsten-carbide cutting edges for maximum cutting performance
- Pointed head, without bevel
- Cutting edges angled 55°
- Cutting values:  
Piano wire: 0.6 mm/AWG 22  
Hard steel: 1.0 mm/AWG 18  
Nickel wire: 1.2 mm/AWG 16



Code	No.	CL	↳mm↳	↕	☒
1743619	<b>8308-2</b>	12	125	65	1

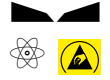
Code	No.	CL	↳mm↳	↕	☒
1745913	<b>SB 8308-2</b>	12	125	75	1

## ELECTRONIC DIAGONAL CUTTERS AND END NIPPERS

### 8308-1

#### ELECTRONIC MINI DIAGONAL CUTTER

- Pointed head, cutting edges angled 55°, without bevel
- For working in confined spaces
- Cutting values:  
Hard steel: 0.4 mm/AWG 26  
Soft steel: 1.0 mm/AWG 18  
Copper wire: 1.2 mm/AWG 16



Code	No.	CL	↳mm↳	↕	☒
1743600	<b>8308-1</b>	12	125	65	1

Code	No.	CL	↳mm↳	↕	☒
1745905	<b>SB 8308-1</b>	12	125	75	1



### 8308-3

#### ELECTRONIC DIAGONAL CUTTER

- Wide head and long cutting faces, without bevel
- Head ground to a point on one side
- Cutting edges angled 55°
- Cutting values:  
Hard steel: 0.4 mm/AWG 26  
Soft steel: 1.0 mm/AWG 18  
Copper wire: 1.5 mm/AWG 15



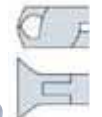
Code	No.	CL	↳mm↳	↕	☒
1743627	<b>8308-3</b>	15	135	85	1

Code	No.	CL	↳mm↳	↕	☒
1745921	<b>SB 8308-3</b>	15	135	95	1

### 8308-4

#### ELECTRONIC END CUTTING NIPPERS

- Wide head and long cutting faces, without bevel
- High cutting performance
- Cutting values:  
Hard steel: 0.4 mm/AWG 26  
Soft steel: 1.0 mm/AWG 18  
Copper wire: 1.5 mm/AWG 15



Code	No.	CL	↳mm↳	↕	☒
1743635	<b>8308-4</b>	15	135	85	1

Code	No.	CL	↳mm↳	↕	☒
1745948	<b>SB 8308-4</b>	15	135	95	1



## NEEDLE NOSE ELECTRONIC PLIERS

### 8305-2

#### NEEDLE NOSE ELECTRONIC PLIERS

- Extra long, half-round jaws, with file-cut surface



Code	No.	JL	↳mm↳	↕	☒
6725480	<b>8305-2</b>	39	165	95	1

Code	No.	JL	↳mm↳	↕	☒
1700669	<b>SB 8305-2</b>	39	165	105	1

### 8307-1

#### FINE NEEDLE NOSE ELECTRONIC PLIERS

- Extra narrow jaws with side flanks and 50° circular tips
- Smooth gripping faces
- For precision components



Code	No.	JL	↳mm↳	↕	☒
1743430	<b>8307-1</b>	22	135	45	1

Code	No.	JL	↳mm↳	↕	☒
1745786	<b>SB 8307-1</b>	22	120	55	1

### 8307-5

#### LONG NOSE ELECTRONIC PLIERS

- Straight, extra long, flat-round tapered jaws
- For bending and straightening
- Smooth-ground gripping faces



Code	No.	JL	↳mm↳	↕	☒
1743570	<b>8307-5</b>	40	165	95	1

Code	No.	JL	↳mm↳	↕	☒
1745875	<b>SB 8307-5</b>	40	165	105	1

## NEEDLE NOSE ELECTRONIC PLIERS 45° ANGLED

### 8305-4

#### NEEDLE NOSE ELECTRONIC PLIERS

- Long, half-round jaws, with file-cut surface
- Extra fine needle nose: 1 x 1.5 mm



Code	No.	JL	↳mm↳	↕	☒
6725560	<b>8305-4</b>	23	135	50	1

Code	No.	JL	↳mm↳	↕	☒
1700677	<b>SB 8305-4</b>	23	135	60	1

### 8307-2

#### NEEDLE NOSE ELECTRONIC PLIERS

- Slim, long, flat-round tapered jaws
- Smooth-ground gripping faces



Code	No.	JL	↳mm↳	↕	☒
1743546	<b>8307-2</b>	22	135	50	1

Code	No.	JL	↳mm↳	↕	☒
1745840	<b>SB 8307-2</b>	22	135	60	1

### 8307-3

#### NEEDLE NOSE ELECTRONIC PLIERS

- Slim, narrow, flat-round tapered jaws, angled 45°
- Gripping faces with fine file cut



Code	No.	JL	↳mm↳	↕	☒
1743554	<b>8307-3</b>	22	140	65	1

Code	No.	JL	↳mm↳	↕	☒
1745859	<b>SB 8307-3</b>	22	140	75	1



### 8307-4

#### NEEDLE NOSE ELECTRONIC PLIERS

- Slim, narrow, flat-round tapered jaws
- Smooth-ground gripping faces



Code	No.	JL	↳mm↳	↕	☒
1743562	<b>8307-4</b>	31	145	65	1

Code	No.	JL	↳mm↳	↕	☒
1745867	<b>SB 8307-4</b>	31	145	75	1

### 8307-6

#### NEEDLE NOSE ELECTRONIC PLIERS

- Slim, narrow, flat-round tapered jaws, angled 45°
- Smooth-ground gripping faces



Code	No.	JL	↳mm↳	↕	☒
1743589	<b>8307-6</b>	25	140	65	1

Code	No.	JL	↳mm↳	↕	☒
1745883	<b>SB 8307-6</b>	25	140	75	1

### 8305-6

#### FINE NEEDLE NOSE ELECTRONIC PLIERS

- Extra slim jaws and fine point
- Without file-cut



Code	No.	JL	↳mm↳	↕	☒
6725720	<b>8305-6</b>	40	160	85	1

Code	No.	JL	↳mm↳	↕	☒
1700715	<b>SB 8305-6</b>	40	160	95	1

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**8307-7**

**LONG NOSE ELECTRONIC PLIERS**

- ▶ Extra long, flat-round tapered jaws, angled 45°
- ▶ For bending and straightening jobs
- ▶ Smooth-ground gripping faces



Code	No.	JL	l-mm	mm	mm
1743597	<b>8307-7</b>	35	165	95	1

Code	No.	JL	l-mm	mm	mm
1745891	<b>SB 8307-7</b>	35	165	105	1

**NON-GLARE GUN-METAL FINISH ELECTRONIC PLIERS**

- ▶ For reflection-free working particularly on circuit boards

**8305-7 B**

**ELECTRONIC DIAGONAL CUTTER**

- ▶ non-glare gun-metal finish
- ▶ Cutting edges 30° angled, without bevel
- ▶ With slim head for narrow spaces
- ▶ Cutting values:  
Soft steel: 0.6 mm/AWG 22  
Copper wire: 0.8 mm/AWG 20



Code	No.	CL	l-mm	mm	mm
1799835	<b>8305-7 B</b>	6	135	59	1

Code	No.	CL	l-mm	mm	mm
1808672	<b>SB 8305-7 B</b>	6	135	69	1

**8305-9 B**

**FLAT NOSE ELECTRONIC PLIERS**

- ▶ non-glare gun-metal finish
- ▶ Straight pattern
- ▶ Without file-cut



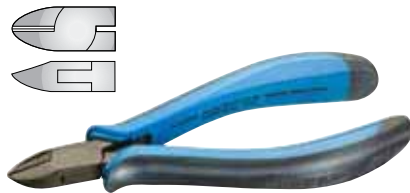
Code	No.	JL	l-mm	mm	mm
1799843	<b>8305-9 B</b>	23	135	75	1

Code	No.	JL	l-mm	mm	mm
1808680	<b>SB 8305-9 B</b>	23	135	85	1

**8306-1 B**

**ELECTRONIC SIDE CUTTER**

- ▶ non-glare gun-metal finish
- ▶ Oval head, with mini-bevel
- ▶ Cutting values:  
Hard wire: 0.4 mm/AWG 26  
Soft steel: 1.0 mm/AWG 18  
Copper wire: 1.5 mm/AWG 15



Code	No.	CL	l-mm	mm	mm
1799851	<b>8306-1 B</b>	12	125	65	1

Code	No.	CL	l-mm	mm	mm
1808699	<b>SB 8306-1 B</b>	12	125	75	1

**8307-2 B**

**NEEDLE NOSE ELECTRONIC PLIERS**

- ▶ non-glare gun-metal finish
- ▶ Slim, long, flat-round tapered jaws
- ▶ Smooth-ground gripping faces



Code	No.	JL	l-mm	mm	mm
1799878	<b>8307-2 B</b>	22	135	50	1

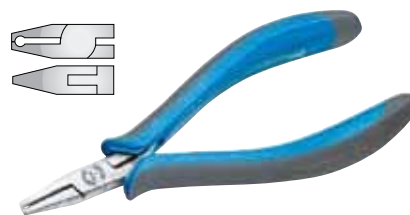
Code	No.	JL	l-mm	mm	mm
1808702	<b>SB 8307-2 B</b>	22	135	60	1

**SPECIAL ELECTRONIC PLIERS**

**8305-5**

**ELECTRONIC END CUTTING NIPPERS**

- ▶ Long, slim head
- ▶ Induction-hardened precision cutting edges, with fine bevel
- ▶ Cutting values:  
Soft steel: 0.6 mm/AWG 22  
Copper wire: 0.8 mm/AWG 20



Code	No.	CL	l-mm	mm	mm
6725640	<b>8305-5</b>	2	130	65	1

Code	No.	CL	l-mm	mm	mm
1700693	<b>SB 8305-5</b>	2	130	75	1



**8305-7**

**ELECTRONIC DIAGONAL CUTTER**

- ▶ 30° angle cutting edges, without bevel
- ▶ With slim head for confined spaces
- ▶ Cutting values:  
Soft steel: 0.6 mm/AWG 22  
Copper wire: 0.8 mm/AWG 20



Code	No.	CL	l-mm	mm	mm
6725990	<b>8305-7</b>	6	135	60	1

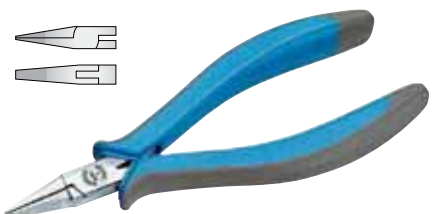
Code	No.	CL	l-mm	mm	mm
1700731	<b>SB 8305-7</b>	6	135	70	1



**8305-9**

**FLAT NOSE ELECTRONIC PLIERS**

- ▶ Straight pattern
- ▶ Without file-cut



Code	No.	JL	l-mm	mm	mm
6726370	<b>8305-9</b>	23	135	75	1

Code	No.	JL	l-mm	mm	mm
1700766	<b>SB 8305-9</b>	23	135	85	1



**8308-5**

**ELECTRONIC WIRE STRIPPING PLIERS**

- With inside adjusting screw and opening spring
- For removing insulation from extra fine wire and components
- Cutting values:  
for wire from 0.1 to 0.8 mm / AWG 36-20



Code	No.	JL	↳mm↳	↕	☒
1743643	<b>8308-5</b>	28	155	95	1

Code	No.	JL	↳mm↳	↕	☒
1745956	<b>SB 8308-5</b>	28	155	105	1

**8308-6**

**ROUND NOSE ELECTRONIC PLIERS**

- For delicate work
- Tips tapering to Ø 1 mm, without file-cut



Code	No.	JL	↳mm↳	↕	☒
1743651	<b>8308-6</b>	20	135	55	1

Code	No.	JL	↳mm↳	↕	☒
1745964	<b>SB 8308-6</b>	20	135	65	1

**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
- Self-service pack (plastic hanging clip, Euro perforation)

**8350-1**

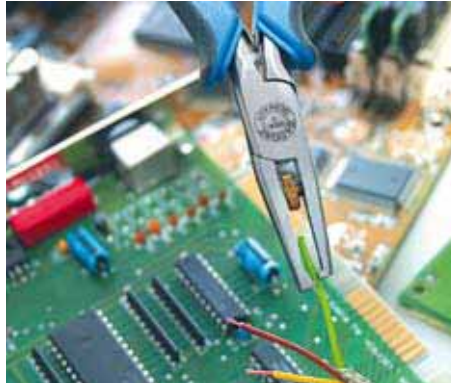
**MINIATURE ELECTRONIC DIAGONAL END CUTTING NIPPERS**

- Sharp, narrow needle-point head
- Cutting edges angled 48°, without bevel
- Cutting values:  
Copper wire: max. 0.6 mm / AWG 22



Code	No.	CL	↳mm↳	↕	☒
1828959	<b>8350-1</b>	8	132	72	5

Code	No.	CL	↳mm↳	↕	☒
1830201	<b>SB 8350-1</b>	8	132	82	1



**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



Code	No.	CL	↳mm↳	↕	☒
1828967	<b>8350-2</b>	8	138	73	5

Code	No.	CL	↳mm↳	↕	☒
1830228	<b>SB 8350-2</b>	8	138	83	1

**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



Code	No.	CL	↳mm↳	↕	☒
1828975	<b>8350-3</b>	8	138	82	5

Code	No.	CL	↳mm↳	↕	☒
1830236	<b>SB 8350-3</b>	8	138	92	1

**8350-4**

**MINIATURE ELECTRONIC DIAGONAL END CUTTING NIPPERS**

- Extra narrow, short head
- End cutter with 30° angled cutting edges, without bevel
- Cutting values:  
Copper wire: max. 0.6 mm / AWG 22



Code	No.	CL	↳mm↳	↕	☒
1828983	<b>8350-4</b>	2	136	72	5

Code	No.	CL	↳mm↳	↕	☒
1830244	<b>SB 8350-4</b>	2	136	82	1

**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



Code	No.	CL	↳mm↳	↕	☒
1828991	<b>8350-5</b>	8	136	85	5

Code	No.	CL	↳mm↳	↕	☒
1830252	<b>SB 8350-5</b>	8	136	95	1

**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



Code	No.	CL	↳mm↳	↕	☒
1829009	<b>8350-6</b>	8	138	94	5

Code	No.	CL	↳mm↳	↕	☒
1830260	<b>SB 8350-6</b>	8	138	104	1



**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



Code	No.	CL	↳mm↳	↕	☒
1829017	<b>8350-7</b>	8	138	86	5

Code	No.	CL	↳mm↳	↕	☒
1830279	<b>SB 8350-7</b>	8	138	96	1

**8350-8****MINIATURE ELECTRONIC SIDE CUTTER****Power Line**

- ▶ 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



Code	No.	CL	↳mm↳	↕	☒
1829025	<b>8350-8</b>	12	140	110	5

Code	No.	CL	↳mm↳	↕	☒
1830287	<b>SB 8350-8</b>	12	140	120	1

**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



Code	No.	CL	↳mm↳	↕	☒
1829033	<b>8350-9</b>	10	138	94	5

Code	No.	CL	↳mm↳	↕	☒
1830295	<b>SB 8350-9</b>	10	138	104	1

**8351-1****MINIATURE ELECTRONIC SIDE CUTTER Power Line**

- ▶ Tungsten-carbide technology for heavy industrial 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



Code	No.	CL	↳mm↳	↕	☒
1829041	<b>8351-1</b>	8	137	109	5

Code	No.	CL	↳mm↳	↕	☒
1830309	<b>SB 8351-1</b>	8	137	119	1

**8352-1****MINIATURE ELECTRONIC NEEDLE NOSE PLIERS**

- ▶ Short, narrow, smooth jaws



Code	No.	JL	↳mm↳	↕	☒
1829068	<b>8352-1</b>	20	145	90	5

Code	No.	JL	↳mm↳	↕	☒
1830317	<b>SB 8352-1</b>	20	145	100	1

**8352-2****MINIATURE ELECTRONIC FLAT NOSE PLIERS**

- ▶ Long, narrow, smooth jaws



Code	No.	JL	↳mm↳	↕	☒
1829076	<b>8352-2</b>	32	158	94	5

Code	No.	JL	↳mm↳	↕	☒
1830325	<b>SB 8352-2</b>	32	158	104	1

**8352-3****MINIATURE ELECTRONIC NEEDLE NOSE PLIERS**

- ▶ Long, narrow, serrated jaws
- ▶ Cutting edges angled 45°



Code	No.	JL	↳mm↳	↕	☒
1829084	<b>8352-3</b>	35	152	92	5

Code	No.	JL	↳mm↳	↕	☒
1830333	<b>SB 8352-3</b>	35	152	102	1

**8353-1****MINIATURE ELECTRONIC WIRE STRIPPING PLIERS**

- ▶ Multipurpose tool for cutting, stripping and terminal crimping



Code	No.	JL	↳mm↳	↕	☒
1829092	<b>8353-1</b>	40	175	126	5

Code	No.	JL	↳mm↳	↕	☒
1830376	<b>SB 8353-1</b>	40	175	136	1

**8353-2****INSULATING VARNISH STRIPPER**

- ▶ For removing insulating varnish
- ▶ Plastic handles
- ▶ Strips wires 0.6 mm<sup>2</sup> / AWG 22



Code	No.	↳mm↳	∅ mm <sup>2</sup>	AWG	↕	☒
1828924	<b>8353-2</b>	125	0,60	22	47	1

Code	No.	↳mm↳	∅ mm <sup>2</sup>	AWG	↕	☒
1830384	<b>SB 8353-2</b>	125	0,60	22	57	1

**8353-3****WIRE STRIPPING KNIFE**

- ▶ For cable sizes 4-16 mm



Code	No.	↳mm↳	↕	☒
1828932	<b>8353-3</b>	140	87	1

Code	No.	↳mm↳	↕	☒
1830392	<b>SB 8353-3</b>	140	97	1

**8354-1****DE-SOLDER TOOL**

- ▶ With suction action for removing solder residues when de-soldering electronic components



Code	No.	↳mm↳	↕	☒
1828940	<b>8354-1</b>	220	96	1

Code	No.	↳mm↳	↕	☒
1830406	<b>SB 8354-1</b>	220	106	1





**CABLE SHEARS**

**8093**

**CABLE SHEARS**

- For cutting multi-strand copper and aluminium cables up to Ø 27 mm
- New cutting-edge geometry for a clean, smooth cut
- Optimum lever action requires less effort
- Compact design, low weight
- Not suitable for wire ropes and steel wire
- Cutter head made from forged special tool steel
- High-strength tubular aluminium handles, powder-enamelled, with rubber grips



Code	No.	l (mm)	mm	mm	mm
6724830	<b>8093</b>	505	1100	1	



**8094**

**CABLE SHEARS**

- For cutting multi-strand copper and aluminium cables up to Ø 20 mm, and up to Ø 25 mm with first and second cut
- Cutting edges additionally induction-hardened
- Precision ground for optimum action, new cutting-edge geometry
- Adjustable screw joint with finger protection
- Not suitable for wire ropes and steel wire
- Special tool steel, forged, gun-metal finish, with dipped handle grips



Code	No.	l (mm)	mm	mm	mm
6724910	<b>8094</b>	200	280	1	

Code	No.	l (mm)	mm	mm	mm
1700790	<b>SB 8094</b>	200	290	1	

**8095**

**CABLE SHEARS**

- Cutter head made from stainless steel, self-opening
- Impact-resistant plastic handles
- Practical lock in closed position
- For wire up to 10 mm<sup>2</sup>



Code	No.	l (mm)	mm	mm	mm
6707820	<b>8095-160</b>	160	110	1	

Code	No.	l (mm)	mm	mm	mm
1700774	<b>SB 8095-160</b>	160	120	1	

**8096**

**SMALL UNIVERSAL SCISSORS**

- With insulation stripping notch
- Nickel-plated, with blue handle sleeves



Code	No.	l (mm)	mm	mm	mm
6707900	<b>8096-140</b>	140	75	1	

Code	No.	l (mm)	mm	mm	mm
1700782	<b>SB 8096-140</b>	140	85	1	

**CABLE KNIVES**

**4522**

**ELECTRICIANS' CABLE KNIFE**

- With wire stripper, folding blade
- Rosewood-faced handle



Code	No.	mm	mm	mm	mm
6690240	<b>4522</b>	85	195	75	10

**4522 SP**

**ELECTRICIANS' CABLE KNIFE**

- With wire stripper, folding blade
- Rosewood-faced handle



Code	No.	mm	mm	mm	mm
6295530	<b>4522 SP</b>	80	190	70	5

**4524**

**CABLE KNIFE**

- Fixed stainless steel blade, rust-proof
- Beech-faced handle



Code	No.	mm	mm	mm	mm
6301440	<b>4524</b>	60	175	50	5



**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 is adjustable
- 1 spare blade stored in handle



Code	No.	mm	mm	mm	mm
6698300	<b>4528</b>	50	170	80	5

**4629**

**INSULATING TAPE**



Code	No.	L m	mm	mm	mm
6699540	<b>4629</b>	10	15	28	1

For more VDE Cable Knives see page 265







## STRIPPING PLIERS

8097

### STRIPPING PLIERS automatic

- With V-shaped cutting knife
- For stripping single-strand conductors 0.2 - 6.0 mm<sup>2</sup>
- Adjustable stripping length
- With wire cutter up to 2 mm



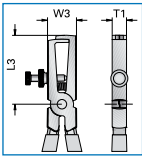
Code	No.	↳mm↳	∅ mm <sup>2</sup>	↕	📦
6702940	<b>8097</b>	200	0,2-6,0	130	1



8098

### STRIPPING PLIERS

- With spring and brass adjusting screw
- For wires 0.8 - 6.0 mm<sup>2</sup>
- JC = chrome-plated, with 2-component handle protectors
- TL = enamelled black, with blue dipped handle protectors



Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	T <sub>1</sub>	∅ mm <sup>2</sup>	↕	📦
6708630	<b>8098-160 JC</b>	160	43.5	18.5	8.5	0,8-6,0	167	5
6710020	<b>8098-160 TL</b>	160	43.5	18.5	8.5	0,8-6,0	140	5

Code	No.	L	L <sub>3</sub>	W <sub>3</sub>	T <sub>1</sub>	∅ mm <sup>2</sup>	↕	📦
1699164	<b>SB 8098-160 JC</b>	160	43.5	18.5	8.5	0,8-6,0	177	5
1699172	<b>SB 8098-160 TL</b>	160	43.5	18.5	8.5	0,8-6,0	150	5

8099

### STRIPPING PLIERS STRIP-FIX

- Self-adjusting, for wires 0.5 - 5.0 mm<sup>2</sup>
- GEDORE special hardened and tempered steel
- E-8099 = Pair of spare knives



Code	No.	↳mm↳	↳inch↳	∅ mm <sup>2</sup>	↕	📦
6709520	<b>8099-160 JCP</b>	160	6.1/2	0,5-5,0	180	1
5709580	<b>E-8099</b>				8	1

Code	No.	↳mm↳	↳inch↳	∅ mm <sup>2</sup>	↕	📦
1700197	<b>SB 8099-160 JCP</b>	160	6.1/2	0,5-5,0	190	1

## STRIPPING TOOLS

### 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 150000 stripping processes



8146

### STRIPPING PLIERS with exchangeable module inserts, self-adjusting

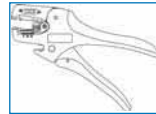
- Self-adjusting cutting and stripping tool (No. 8146) for modern electrical installations and equipment circuitry (90% of all wires can be stripped without any adjustment of the tool)
- The use of easily exchangeable module inserts allows accurate stripping of a wide range of insulation materials, including 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 mm<sup>2</sup> / AWG 34-8 (for PVC insulation)
- 8146-2 with round blade: 4-16 mm<sup>2</sup> / AWG 12-6
- 8146-3 with V blade: PTFE 0.1-4 mm<sup>2</sup> / AWG 26-12 (for all types of insulation)

#### Cutting values:

- Flexible wires up to 10 mm<sup>2</sup> / AWG 8
- Rigid wires up to 1.5 mm<sup>2</sup> / AWG 16



Code	No.	∅ mm <sup>2</sup>	AWG	↕	📦
1830805	<b>8146</b> Stripping pliers incl. module insert 8146-1			136	1
1830813	<b>8146-1</b> Module insert with flat blade	0,02-10,0	34-8	51	1
1830821	<b>8146-2</b> Module insert with round blade	4,0-16,0	12-6	51	1
1830848	<b>8146-3</b> Module insert with V-blade	0,1-4,0	26-12	51	1





**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

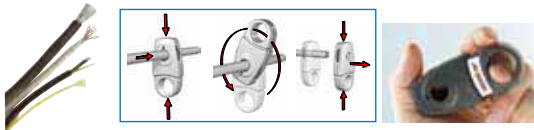


Code	No.	Ø mm	↕	📦
1830856	<b>8147</b>	4,5-40,0	116	1
1884719	<b>E-8147</b>		2	1

**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

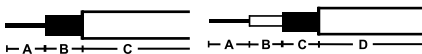


Code	No.	Ø mm	↕	📦
1830864	<b>8148</b>	2,5-11,0	28	1
1884727	<b>E-8148</b>		2	1

**8149**

**STRIPPING TOOL for coaxial cables**

- ✔ Individual blade adjustment guarantees a high level of stripping precision, all-round cut
- ✔ Supports a range of insert modules for two or three-stage 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
- ✔ 8149-2 for 2-step stripping
- ✔ 8149-3 for 3-step stripping



Code	No.	Execution	↕	📦
1830872	<b>8149-2</b>	2 steps	40	1
1830880	<b>8149-3</b>	3 steps	40	1

**CRIMPING PLIERS**

**8101, 8102, 8103**

- ✔ For cutting, wire stripping, and crimping when working with insulated contacts with an open or closed crimping zone
- ✔ Integrated dead-point locking ensures complete crimping to the required profile
- ✔ Cutter for cables with a conductor cross-section up to 10.0 mm<sup>2</sup>
- ✔ Perfectly formed crimping area for all standard connector types. With correct use, pull-out values to EN 352/2 are easily archived

**8101**

**CRIMPING SELF-GRIP WRENCH**

- ✔ For red, blue and yellow insulated connectors, including cable lugs, pin terminals, male and female disconnectors, bullet and receptacle disconnectors, butt and parallel connectors
- ✔ With integrated three-stage positioner
- ✔ Step 1. Crimp the conductor in the profile intended for the colour (red, blue, or yellow)
- ✔ Step 2. Crimp the insulation in the next following profile.
- ✔ Conductor crimp=red; Conductor crimp=blue; Conductor crimp=yellow
- ✔ Insulation crimp=blue; Insulation crimp=yellow
- ✔ The integrated three-stage positioner ensures the longitudinal positioning of the contact in the crimping profile used
- ✔ The three-stage adjustment is designed for the appropriate contacts, identified by drawings on the positioner
- ✔ Cutting values: 0,5-6,0 mm<sup>2</sup> / 20-10 AWG



Code	No.	Ø mm <sup>2</sup>	AWG	↕ mm	↕ inch	↕	📦
6723940	<b>8101</b>	0,5-6,0	20-10	215	8	550	1

Code	No.	Ø mm <sup>2</sup>	AWG	↕ mm	↕ inch	↕	📦
1700812	<b>SB 8101</b>	0,5-6,0	20-10	215	8	560	1



**8102**

**CRIMPING SELF-GRIP WRENCH**

- ✔ For non-insulated contacts with open crimping sleeves, such as F 2.8 and F 6.3 male disconnectors
- ✔ Conductor and insulation crimp are carried out in one operation
- ✔ Profile types / Connector type:  
✔ male disconnector F 6.3: 1: 0,5-1,0 mm<sup>2</sup> / 2: 1,5-2,5 mm<sup>2</sup> / 3: 4,0-6,0 mm<sup>2</sup>  
✔ male disconnector F 2.8: 4: 0,5-1,0 mm<sup>2</sup>



Code	No.	Ø mm <sup>2</sup>	AWG	↕ mm	↕ inch	↕	📦
6724080	<b>8102</b>	0,5-6,0	20-10	215	8	490	1

Code	No.	Ø mm <sup>2</sup>	AWG	↕ mm	↕ inch	↕	📦
1700820	<b>SB 8102</b>	0,5-6,0	20-10	215	8	500	1



### 8103

#### CRIMPING SELF-GRIP WRENCH

- For non-insulated contacts with closed crimping sleeves, such as eye lugs, pin terminals, butt and parallel connectors and miniature ring terminals
- Cutting values: 0,5-10 mm<sup>2</sup> / 20-8 AWG



Code	No.	Ø mm <sup>2</sup>	AWG	↳ mm	↳ inch	↕	☒
6724160	<b>8103</b>	0,5-10,0	20-8	215	8	490	1

Code	No.	Ø mm <sup>2</sup>	AWG	↳ mm	↳ inch	↕	☒
1700839	<b>SB 8103</b>	0,5-10,0	20-8	215	8	500	1

### 8139

#### CABLE END-SLEEVE PLIERS

- For the simple pressing of wire end-sleeves as per DIN 46228
- With a V-block for stripping and cutting soft wire (not included on model No. 8139-2-220)



Code	No.	Ø mm <sup>2</sup>	↳ mm	↳ inch	↕	☒
6723510	<b>8139-155 TL</b>	0,25-2,5	155	6	190	1
6723780	<b>8139-220 TL</b>	0,5-16,0	220	8.1/2	280	1
6723860	<b>8139-2-220 TL</b>	10,0-35,0	220	8.1/2	280	1

Code	No.	Ø mm <sup>2</sup>	↳ mm	↳ inch	↕	☒
1700863	<b>SB 8139-155 TL</b>	0,25-2,5	155	6	200	1
1700871	<b>SB 8139-220 TL</b>	0,5-16,0	220	8.1/2	290	1
1700898	<b>SB 8139-2-220 TL</b>	10,0-35,0	220	8.1/2	290	1

## 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 a 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.



### 8140

#### MODULAR CRIMP WRENCH

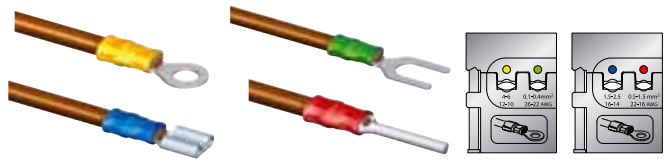
- Professional ratchet crimping pliers for most types of mechanical, electrical and electronic connectors
- Just one tool base frame (No. 8140) can be used with all insert modules
- Dimensions: L 234 x H 64 x W 24 mm
- Module inserts changeable without tools



Code	No.	↳ mm	↕	☒
1830546	<b>8140</b>	234	519	1

### 8140-01/-02

#### MODULE INSERT for insulated terminals



Code	No.	Ø mm <sup>2</sup> / AWG	↕	☒
1830554	<b>8140-01</b>	0,1-0,4 + 4-6 / 26-22 + 12-10	56	1
1830562	<b>8140-02</b>	0,5-1,5 + 1,5-2,5 / 22-16 + 16-14	56	1

### 8140-03/-04/-05

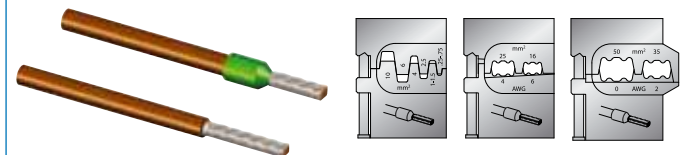
#### MODULE INSERT for non-insulated terminals



Code	No.	Ø mm <sup>2</sup> / AWG	↕	☒
1830570	<b>8140-03</b>	4-6-10	56	1
1830589	<b>8140-04</b>	0,75-1,5-2,5	56	1
1830597	<b>8140-05</b>	0,5-2,5 + 4-6 / 22-14 + 12-10	56	1

### 8140-06/-07/-08

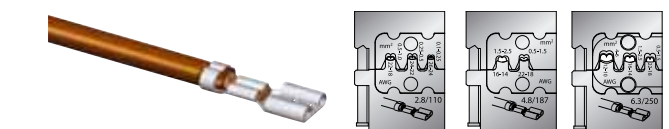
#### MODULE INSERT for conductor end-sleeves



Code	No.	Ø mm <sup>2</sup> / AWG	↕	☒
1830600	<b>8140-06</b>	0,25-10	56	1
1830619	<b>8140-07</b>	16-25 / 6-4	56	1
1830627	<b>8140-08</b>	35-50 / 2-0	56	1

### 8140-09/-10/-11

#### MODULE INSERT for flat plugs

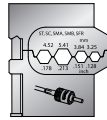


Code	No.	Ø mm <sup>2</sup> / AWG	↕	☒
1830635	<b>8140-09</b>	0,1-1 / 26-18	56	1
1830643	<b>8140-10</b>	0,5-2,5 / 22-14	56	1
1830651	<b>8140-11</b>	0,5-6 / 22-10	56	1



**8140-12**

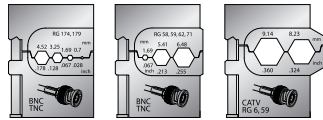
MODULE INSERT for optical waveguides



Code	No.	Ø mm² / AWG	↔	📦
1830678	<b>8140-12</b>	4,52 5,41 3,84 3,25 / 0,178 0,213 0,151 0,128	56	1

**8140-13/-14/-15**

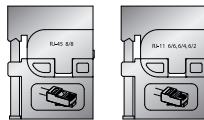
MODULE INSERT for coax cables



Code	No.	Ø mm² / AWG	↔	📦
1830686	<b>8140-13</b>	4,52 3,25 1,69 0,7 / 0,178 0,128 0,067 0,028	56	1
1830694	<b>8140-14</b>	1,69 5,41 6,48 / 0,067 0,213 0,255	56	1
1830708	<b>8140-15</b>	9,14-8,23 / 0,360-0,324	56	1

**8140-16/-17**

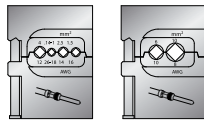
MODULE INSERT for modular plugs



Code	No.	Ø mm² / AWG	↔	📦
1830716	<b>8140-16</b>	RJ-45 8/8	48	1
1830724	<b>8140-17</b>	RJ-11 6/6 6/4 6/2	48	1

**8140-18/-19**

MODULE INSERT for heavy connectors

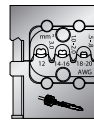


Code	No.	Ø mm² / AWG	↔	📦
1830732	<b>8140-18</b>	0,14-4 / 26-12	56	1
1830740	<b>8140-19</b>	6-10 / 10-8	56	1

**8140-20**

MODULE INSERT for lamellar contacts

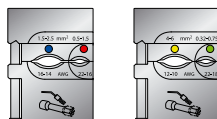
With seals 0.5-3.0 mm²



Code	No.	Ø mm²	↔	📦
1963384	<b>8140-20</b>	0,5-3,0	56	1

**8140-21/-22**

MODULE INSERT for Dura Seal contacts



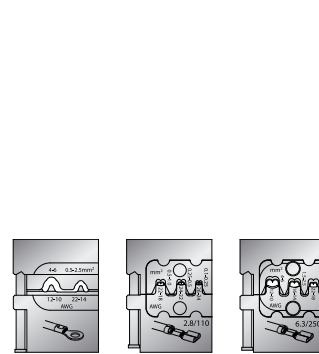
Code	No.	Ø mm²	↔	📦
1963392	<b>8140-21</b>	0,50-2,50	56	1
1963406	<b>8140-22</b>	0,32-6,00	56	1

**CRIMP WRENCH SETS**

- Practical sets made up for specific requirements in industrial maintenance (S 8140 J), automotive engineering (S 8140 A/PA), data-communications installations (S 8140 D) or for electricians (S 8140 E/PE)
- Ideal for high-standard crimping
- Can be individually upgraded by purchasing additional module inserts
- Module inserts changeable without tools

**S 8140 A**

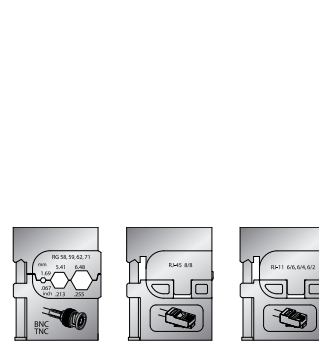
CRIMPING PLIERS SET AUTOMOTIVE 4 pieces



Code	No.	Contents	↔	📦
1830910	<b>S 8140 A</b>	<b>8140</b> 8140-09 -05 -11	687	1

**S 8140 D**

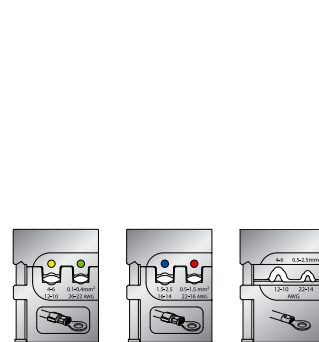
CRIMPING PLIERS SET DATA COM 4 pieces



Code	No.	Contents	↔	📦
1830937	<b>S 8140 D</b>	<b>8140</b> 8140-14 -16 -17	687	1

**S 8140 E**

CRIMPING PLIERS SET ELECTRONIC 4 pieces

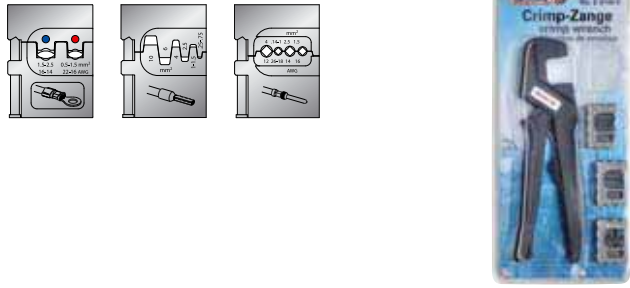


Code	No.	Contents	↔	📦
1830899	<b>S 8140 E</b>	<b>8140</b> 8140-01 -02 -05	687	1



**S 8140 J**

CRIMPING PLIERS SET INDUSTRIAL 4 pieces



Code	No.	Contents	🔧	📦
1830929	<b>S 8140 J</b>	<b>8140</b> 8140-02 -06 -18	687	1

**S 8140 PA**

CRIMPING PLIERS SET PROFESSIONAL AUTOMOTIVE 9 pieces in plastic case



Code	No.	Contents	🔧	📦	🏠
1954121	<b>S 8140 PA</b>	<b>8140</b> 8140-03 -04 -09 -10 -11 -14 -21 -22	2150	1	🏠

**S 8140 PE**

CRIMPING PLIERS SET PROFESSIONAL ELECTRONIC 9 pieces in plastic case



Code	No.	Contents	🔧	📦	🏠
1954148	<b>S 8140 PE</b>	<b>8140</b> 8140-01 -02 -06 -11 -14 -16 -18 -19	2150	1	🏠



Detailed information on products, promotions and trade fairs  
... [www.gedore.com](http://www.gedore.com)



**S 8140 PN**

CRIMPING PLIERS SET PROFESSIONAL in plastic case  
▶ Crimping wrench no. 8140 without module inserts for individual composition



Code	No.	🔧	📦	🏠
1963279	<b>S 8140 PN</b>		1	🏠

**PRECISION CRIMP WRENCHES**

▶ Well balanced tool design for easy handling

**8141**

PRECISION CRIMP WRENCH for conductor end-sleeves



Code	No.	Ø mm²	l-mm	l-inch	🔧	📦
1830759	<b>8141</b>	0,5-6,0	197	7,75	350	1



**8142**

PRECISION CRIMP WRENCH for insulated terminals



Code	No.	Ø mm <sup>2</sup>	l mm	l Inch	Weight	Box
1830767	<b>8142</b>	0,5-6,0	255	10,04	560	1

**8143 - 8144**

PRECISION CRIMP WRENCH for non-insulated terminals



Code	No.	Ø mm <sup>2</sup>	l mm	l Inch	Weight	Box
1830775	<b>8143</b>	0,35-2,5	212	8,35	470	1
1830783	<b>8144</b>	4,0-10,0	255	10,04	560	1

**8145**

PRECISION CRIMP WRENCH for flat plugs

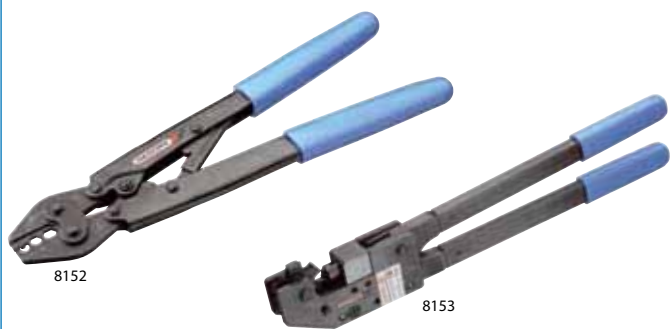


Code	No.	Ø mm <sup>2</sup>	l mm	l Inch	Weight	Box
1830791	<b>8145</b>	0,5-6,0	255	10,04	560	1

**8152 - 8153**

CRIMP WRENCH for big terminals

- ▶ Ratchet mechanism developed for uniform, reliable crimping of non-insulated crimp lug terminals to conductors and for ensuring 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



Code	No.	Ø mm <sup>2</sup> / AWG	l mm	l Inch	Weight	Box
2010313	<b>8152</b>	4-25 / 12-3	300	650	1	
2010321	<b>8153</b>	10-75 / 7-2/0	500	2800	1	

**CIRCLIP PLIERS FOR RETAINING RINGS**

**CIRCLIP PLIERS SETS**

**S 8000**

SET OF CIRCLIP PLIERS 4 pieces

- ▶ Most popular sizes, packed in environmentally-friendly cardboard box



Code	No.	Contents	Weight	Box
6701030	<b>S 8000</b>	<b>8000 A 2 A 21</b> <b>8000 J 2 J 21</b>	700	1

**S 8010**

SET OF CIRCLIP PLIERS 4 pieces

- ▶ Most popular sizes, packed in environmentally-friendly cardboard box



Code	No.	Contents	Weight	Box
6702000	<b>S 8010</b>	<b>8010 A 2 A 21</b> <b>8010 J 2 J 21</b>	700	1

**S 8100**

SET OF CIRCLIP PLIERS 4 pieces

- ▶ Most popular sizes, packed in environmentally-friendly cardboard box



Code	No.	Contents	Weight	Box
6703080	<b>S 8100</b>	<b>8000 A 1 A 2</b> <b>8000 J 1 J 2</b>	700	1

**S 8008**

SET OF CIRCLIP PLIERS 8 pieces

- ▶ Most popular sizes, packed in environmentally-friendly cardboard box



Code	No.	Contents	Weight	Box
6700490	<b>S 8008</b>	<b>8000 A 1 A 11 A 2 A 21</b> <b>8000 J 1 J 11 J 2 J 21</b>	1600	1



### VS 8000

**ASSORTMENT OF CIRCLIP PLIERS 48 pieces**  
 ▸ Assortment of most popular sizes in sales stand



Code	No.	Contents	8000	1
6751560	<b>VS 8000</b>	6x <b>8000 A 1 A 11 A 2 A 21</b> 6x <b>8000 J 1 J 11 J 2 J 21</b>	8000	1

### VS 8010

**ASSORTMENT OF CIRCLIP PLIERS 48 pieces**  
 ▸ Assortment of most popular sizes in sales stand



Code	No.	Contents	8000	1
6750910	<b>VS 8010</b>	6x <b>8010 A 1 A 11 A 2 A 21</b> 6x <b>8010 J 1 J 11 J 2 J 21</b>	8000	1

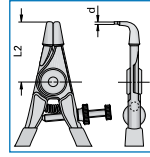
## CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS (SHAFTS)

- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- For circlips as per DIN 471, DIN 983
- Finish:  
Black with red dipped handles (8000)  
Chrome-plated with red dipped handles (8010)
- SB = self-service pack (plastic hanging clip, Euro perforation, for self-service display wallboard)

### 8000 A 01G - A 21G

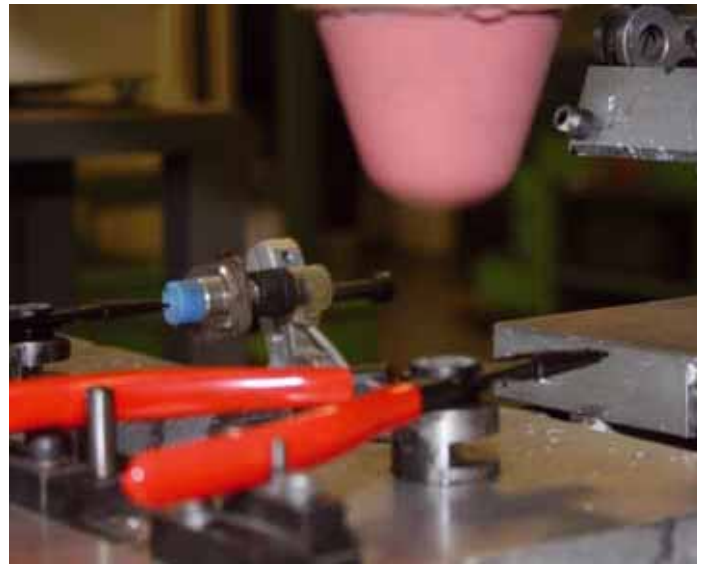
**CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS**

- Similar to DIN 5254 Form B
- 90° angled nose
- With opening spring and adjuster screw to limit opening



Code	No.	for Seeger circlips ● mm	for Benzing clamping circlips ● mm	L	L <sub>2</sub>	d	↕	☒
6700650	<b>8000 A 01G</b>	1,5-3,5	1,5-3,5	134	33	0.7	90	5
6700730	<b>8000 A 11G</b>	4,0-9,0	3,0-11,0	134	33	1.1	90	5
6700810	<b>8000 A 21G</b>	10,0-15,0	12,0-16,0	170	45	1.8	200	5

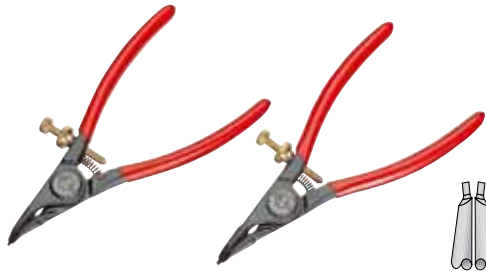
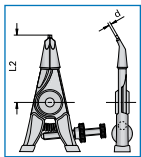
Code	No.	for Seeger circlips ● mm	for Benzing clamping circlips ● mm	L	L <sub>2</sub>	d	↕	☒
1700235	<b>SB 8000 A 01G</b>	1,5-3,5	1,5-3,5	134	33	0.7	100	5
1700243	<b>SB 8000 A 11G</b>	4,0-9,0	3,0-11,0	134	33	1.1	100	5
1700251	<b>SB 8000 A 21G</b>	10,0-15,0	12,0-16,0	170	45	1.8	210	5



### 8000 A 0G - A 2G

**CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS**

- Similar to DIN 5254 Form A
- A 0G - A 1G = nose angled 30°
- A 2G = straight nose
- With opening spring and adjusting screw to limit opening



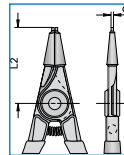
Code	No.	for Seeger circlips ● mm	for Benzing clamping circlips ● mm	L	L <sub>2</sub>	d	↕	☒
6700140	<b>8000 A 0G</b>	1,5-3,5	1,5-3,5	140	40	0.7	90	5
6700220	<b>8000 A 1G</b>	4,0-9,0	3,0-11,0	140	40	1.1	90	5
6700300	<b>8000 A 2G</b>	10,0-15,0	12,0-16,0	182	57	1.8	200	5

Code	No.	for Seeger circlips ● mm	for Benzing clamping circlips ● mm	L	L <sub>2</sub>	d	↕	☒
1700200	<b>SB 8000 A 0G</b>	1,5-3,5	1,5-3,5	140	40	0.7	100	5
1700219	<b>SB 8000 A 1G</b>	4,0-9,0	3,0-11,0	140	40	1.1	100	5
1700227	<b>SB 8000 A 2G</b>	10,0-15,0	12,0-16,0	182	57	1.8	210	5

### 8000 A 0 - A 4

**CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS Form A**

- DIN 5254 Form A
- Straight nose



Code	No.	● mm	● inch	L	L <sub>2</sub>	d	↕	☒
6701380	<b>8000 A 0</b>	3-10	5/32-3/8	141	40.0	0.9	82	5
6701460	<b>8000 A 1</b>	10-25	3/8-1	141	40.0	1.3	82	5
6701540	<b>8000 A 2</b>	19-60	3/4-2.3/8	182	54.0	1.8	167	5
6701620	<b>8000 A 3</b>	40-100	1.5/8-4	230	69.0	2.3	280	1
6701700	<b>8000 A 4</b>	85-140	3.3/8-5.1/2	320	85.5	3.2	550	1

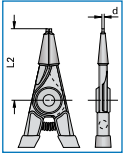
Code	No.	● mm	● inch	L	L <sub>2</sub>	d	↕	☒
1699180	<b>SB 8000 A 0</b>	3-10	5/32-3/8	141	40.0	0.9	92	5
1699199	<b>SB 8000 A 1</b>	10-25	3/8-1	141	40.0	1.3	92	5
1698257	<b>SB 8000 A 2</b>	19-60	3/4-2.3/8	182	54.0	1.8	177	5
1698273	<b>SB 8000 A 3</b>	40-100	1.5/8-4	230	69.0	2.3	290	1
1698303	<b>SB 8000 A 4</b>	85-140	3.3/8-5.1/2	320	85.5	3.2	560	1



**8010 A 0 - A 4**

**CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS Form A**

- ▣ DIN 5254 Form A
- ▣ Straight nose



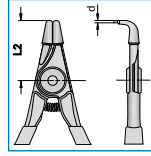
Code	No.	●mm	●inch	L	L <sub>2</sub>	d	↔	☒
6704800	<b>8010 A 0</b>	3-10	5/32-3/8	141	40.0	0.9	82	5
6704990	<b>8010 A 1</b>	10-25	3/8-1	141	40.0	1.3	82	5
6705020	<b>8010 A 2</b>	19-60	3/4-2.3/8	182	54.0	1.8	167	5
6705100	<b>8010 A 3</b>	40-100	1.5/8-4	230	69.0	2.3	280	1
6705290	<b>8010 A 4</b>	85-140	3.3/8-5.1/2	320	85.5	3.2	550	1

Code	No.	●mm	●inch	L	L <sub>2</sub>	d	↔	☒
1700278	<b>SB 8010 A 0</b>	3-10	5/32-3/8	141	40.0	0.9	92	5
1700286	<b>SB 8010 A 1</b>	10-25	3/8-1	141	40.0	1.3	92	5
1700294	<b>SB 8010 A 2</b>	19-60	3/4-2.3/8	182	54.0	1.8	177	5
1700308	<b>SB 8010 A 3</b>	40-100	1.5/8-4	230	69.0	2.3	290	1
1700316	<b>SB 8010 A 4</b>	85-140	3.3/8-5.1/2	320	85.5	3.2	560	1

**8010 A 01 - A 41**

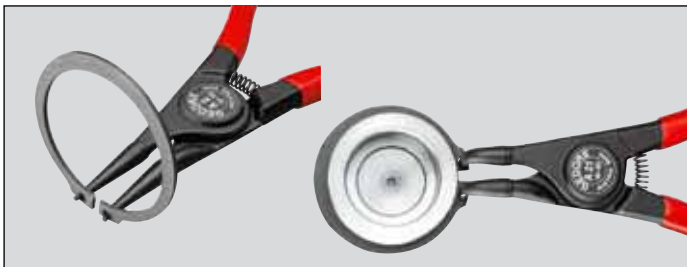
**CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS Form B**

- ▣ DIN 5254 Form B
- ▣ 90° angled nose



Code	No.	●mm	●inch	L	L <sub>2</sub>	d	↔	☒
6705960	<b>8010 A 01</b>	3-10	5/32-3/8	130	29	0.9	82	5
6706180	<b>8010 A 11</b>	10-25	3/8-1	130	29	1.3	82	5
6706260	<b>8010 A 21</b>	19-60	3/4-2.3/8	170	43	1.8	167	5
6706340	<b>8010 A 31</b>	40-100	1.5/8-4	210	53	2.3	280	1
6706930	<b>8010 A 41</b>	85-140	3.3/8-5.1/2	305	64	3.2	550	1

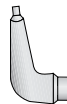
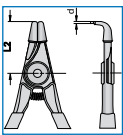
Code	No.	●mm	●inch	L	L <sub>2</sub>	d	↔	☒
1700324	<b>SB 8010 A 01</b>	3-10	5/32-3/8	130	29	0.9	92	5
1700332	<b>SB 8010 A 11</b>	10-25	3/8-1	130	29	1.3	92	5
1700340	<b>SB 8010 A 21</b>	19-60	3/4-2.3/8	170	43	1.8	177	5
1700359	<b>SB 8010 A 31</b>	40-100	1.5/8-4	210	53	2.3	290	1
1700367	<b>SB 8010 A 41</b>	85-140	3.3/8-5.1/2	305	64	3.2	560	1



**8000 A 01 - A 41**

**CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS Form B**

- ▣ DIN 5254 Form B
- ▣ 90° angled nose



Code	No.	●mm	●inch	L	L <sub>2</sub>	d	↔	☒
6702270	<b>8000 A 01</b>	3-10	5/32-3/8	130	29	0.9	82	5
6702350	<b>8000 A 11</b>	10-25	3/8-1	130	29	1.3	82	5
6702430	<b>8000 A 21</b>	19-60	3/4-2.3/8	170	43	1.8	200	5
6702510	<b>8000 A 31</b>	40-100	1.5/8-4	210	53	2.3	280	1
6702780	<b>8000 A 41</b>	85-140	3.3/8-5.1/2	305	64	3.2	600	1

Code	No.	●mm	●inch	L	L <sub>2</sub>	d	↔	☒
1699237	<b>SB 8000 A 01</b>	3-10	5/32-3/8	130	29	0.9	92	5
1699245	<b>SB 8000 A 11</b>	10-25	3/8-1	130	29	1.3	92	5
1699253	<b>SB 8000 A 21</b>	19-60	3/4-2.3/8	170	43	1.8	210	5
1698281	<b>SB 8000 A 31</b>	40-100	1.5/8-4	210	53	2.3	290	1
1699288	<b>SB 8000 A 41</b>	85-140	3.3/8-5.1/2	305	64	3.2	610	1

**8000 A 02 - A 42**

**CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS**

- ▣ Similar to DIN 5254 Form B
- ▣ 45° angled nose



Code	No.	●mm	●inch	L	L <sub>2</sub>	d	↔	☒
2015021	<b>8000 A 02</b>	3-10	5/32-3/8	139	38.0	0.9	80	5
2015048	<b>8000 A 12</b>	10-25	3/8-1	139	38.0	1.3	82	5
2015056	<b>8000 A 22</b>	19-60	3/4-2.3/8	179	51.0	1.8	167	5
2015064	<b>8000 A 32</b>	40-100	1.5/8-4	226	65.0	2.3	280	1
2015072	<b>8000 A 42</b>	85-140	3.3/8-5.1/2	315	80.5	3.2	550	1



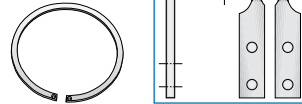




### 8000 A 4 - A 6

#### CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

- ▶ Straight nose
- ▶ Tips and lock lever zinc-plated
- ▶ Black powder-coated
- ▶ Lever handle-end dip-insulated
- ▶ Finger protection
- ▶ Reinforced safety arms
- ▶ E-8000 A = pair of spare tips



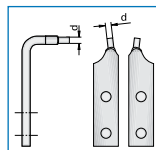
Code	No.	● mm	● inch	d	↳ mm ↲	↳ mm ↲	↳ mm ↲	↳ mm ↲
2011778	<b>8000 A 4 EL</b>	85-140	3.3/8-5.1/2	3.2	550	1900	1	
6701890	<b>8000 A 5</b>	122-300	4.13/16-11.7/8	3.5	550	1900	1	
6701970	<b>8000 A 6</b>	252-400	9.15/16-15.13/16	4.5	586	1950	1	
2011670	<b>E-8000 A 4 EL</b>			3.2		50	1	
5701840	<b>E-8000 A 5</b>			3.5		50	1	
5701920	<b>E-8000 A 6</b>			4.5		50	1	



### 8000 A 41 - A 61

#### CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

- ▶ 90° angled nose
- ▶ Tips and lock lever zinc-plated
- ▶ Lever handle-end dip-insulated
- ▶ Finger protection
- ▶ Reinforced safety arms
- ▶ E-8000 A = pair of spare tips



Code	No.	● mm	● inch	d	↳ mm ↲	↳ mm ↲	↳ mm ↲	↳ mm ↲
2011786	<b>8000 A 41 EL</b>	85-140	3.3/8-5.1/2	3.2	560	1950	1	
6702860	<b>8000 A 51</b>	122-300	4.13/16-11.7/8	3.5	560	1950	1	
6718430	<b>8000 A 61</b>	252-400	9.15/16-15.13/16	4.5	585	1980	1	
2011697	<b>E-8000 A 41 EL</b>			3.2		50	1	
5702810	<b>E-8000 A 51</b>			3.5		50	1	
5701760	<b>E-8000 A 61</b>			4.5		50	1	

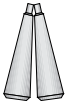
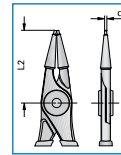
### CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS (BORES)

- ▶ Forged GEDORE chrome-vanadium special hardened and tempered steel
- ▶ Precision machined, oil hardened and annealed
- ▶ For circlips as per DIN 472, DIN 984
- ▶ Finish:
  - Black with blue dipped handles (8000)
  - Chrome-plated with blue dipped handles (8010)
- ▶ SB = self-service pack (plastic hanging clip, Euro perforation, for self-service display wallboard)

### 8000 J 0 - J 4

#### CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS Form C

- ▶ DIN 5256 Form C
- ▶ Straight nose



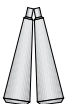
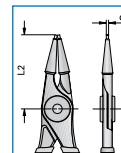
Code	No.	○ mm	○ inch	L	L <sub>2</sub>	d	↳ mm ↲	↳ mm ↲
6703240	<b>8000 J 0</b>	8-13	3/8-9/16	141	41.0	0.9	72	5
6703320	<b>8000 J 1</b>	12-25	3/8-1	141	41.0	1.3	72	5
6703400	<b>8000 J 2</b>	19-60	3/4-2.3/8	183	54.0	1.8	146	5
6703590	<b>8000 J 3</b>	40-100	1.5/8-4	230	68.0	2.3	230	1
6703670	<b>8000 J 4</b>	85-140	3.3/8-5.1/2	322	84.5	3.2	490	1

Code	No.	○ mm	○ inch	L	L <sub>2</sub>	d	↳ mm ↲	↳ mm ↲
1699296	<b>SB 8000 J 0</b>	8-13	3/8-9/16	141	41.0	0.9	82	5
1699318	<b>SB 8000 J 1</b>	12-25	3/8-1	141	41.0	1.3	82	5
1698311	<b>SB 8000 J 2</b>	19-60	3/4-2.3/8	183	54.0	1.8	156	5
1698346	<b>SB 8000 J 3</b>	40-100	1.5/8-4	230	68.0	2.3	240	1
1699342	<b>SB 8000 J 4</b>	85-140	3.3/8-5.1/2	322	84.5	3.2	500	1

### 8010 J 0 - J 4

#### CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS Form C

- ▶ DIN 5256 Form C
- ▶ Straight nose



Code	No.	○ mm	○ inch	L	L <sub>2</sub>	d	↳ mm ↲	↳ mm ↲
6705370	<b>8010 J 0</b>	8-13	3/8-9/16	141	41.0	0.9	72	5
6705450	<b>8010 J 1</b>	12-25	3/8-1	141	41.0	1.3	72	5
6705530	<b>8010 J 2</b>	19-60	3/4-2.3/8	183	54.0	1.8	146	5
6705610	<b>8010 J 3</b>	40-100	1.5/8-4	230	68.0	2.3	230	1
6705880	<b>8010 J 4</b>	85-140	3.3/8-5.1/2	322	84.5	3.2	490	1

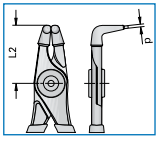
Code	No.	○ mm	○ inch	L	L <sub>2</sub>	d	↳ mm ↲	↳ mm ↲
1700375	<b>SB 8010 J 0</b>	8-13	3/8-9/16	141	41.0	0.9	82	5
1700383	<b>SB 8010 J 1</b>	12-25	3/8-1	141	41.0	1.3	82	5
1700391	<b>SB 8010 J 2</b>	19-60	3/4-2.3/8	183	54.0	1.8	156	5
1700413	<b>SB 8010 J 3</b>	40-100	1.5/8-4	230	68.0	2.3	240	1
1700421	<b>SB 8010 J 4</b>	85-140	3.3/8-5.1/2	322	84.5	3.2	500	1



**8000 J 01 - J 41**

**CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS Form D**

- ▣ DIN 5256 Form D
- ▣ 90° angled nose



Code	No.	Ø mm	Ø inch	L	L <sub>2</sub>	d	↕	↔
6704130	<b>8000 J 01</b>	8-13	3/8-9/16	129	28	0.9	72	5
6704210	<b>8000 J 11</b>	12-25	3/8-1	129	28	1.3	72	5
6704480	<b>8000 J 21</b>	19-60	3/4-2.3/8	169	41	1.8	146	5
6704560	<b>8000 J 31</b>	40-100	1.5/8-4	214	50	2.3	230	1
6704640	<b>8000 J 41</b>	85-140	3.3/8-5.1/2	292	65	3.2	490	1

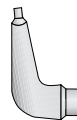
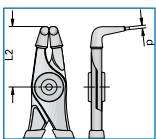
Code	No.	Ø mm	Ø inch	L	L <sub>2</sub>	d	↕	↔
1699482	<b>SB 8000 J 01</b>	8-13	3/8-9/16	129	28	0.9	82	5
1699490	<b>SB 8000 J 11</b>	12-25	3/8-1	129	28	1.3	82	5
1698338	<b>SB 8000 J 21</b>	19-60	3/4-2.3/8	169	41	1.8	156	5
1699512	<b>SB 8000 J 31</b>	40-100	1.5/8-4	214	50	2.3	240	1
1699520	<b>SB 8000 J 41</b>	85-140	3.3/8-5.1/2	292	65	3.2	500	1



**8010 J 01 - J 41**

**CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS Form D**

- ▣ DIN 5256 Form D
- ▣ 90° angled nose



Code	No.	Ø mm	Ø inch	L	L <sub>2</sub>	d	↕	↔
6706420	<b>8010 J 01</b>	8-13	3/8-9/16	129	28	0.9	72	5
6706500	<b>8010 J 11</b>	12-25	3/8-1	129	28	1.3	72	5
6706690	<b>8010 J 21</b>	19-60	3/4-2.3/8	169	41	1.8	146	5
6706770	<b>8010 J 31</b>	40-100	1.5/8-4	214	50	2.3	230	1
6706850	<b>8010 J 41</b>	85-140	3.3/8-5.1/2	292	65	3.2	490	1

Code	No.	Ø mm	Ø inch	L	L <sub>2</sub>	d	↕	↔
1700448	<b>SB 8010 J 01</b>	8-13	3/8-9/16	129	28	0.9	82	5
1700456	<b>SB 8010 J 11</b>	12-25	3/8-1	129	28	1.3	82	5
1700464	<b>SB 8010 J 21</b>	19-60	3/4-2.3/8	169	41	1.8	156	5
1700472	<b>SB 8010 J 31</b>	40-100	1.5/8-4	214	50	2.3	240	1
1700480	<b>SB 8010 J 41</b>	85-140	3.3/8-5.1/2	292	65	3.2	500	1

**8000 J 02 - J 42**

**CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS**

- ▣ Similar to DIN 5256 Form D
- ▣ 45° angled nose

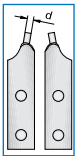
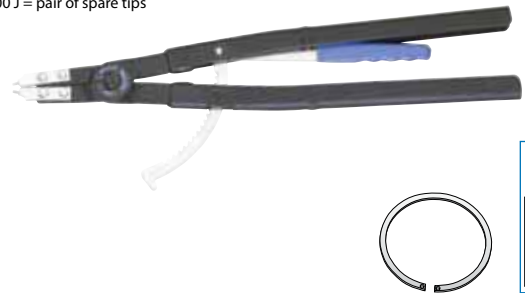


Code	No.	Ø mm	Ø inch	L	L <sub>2</sub>	d	↕	↔
2014963	<b>8000 J 02</b>	8-13	3/8-9/16	139	39.0	0.9	72	5
2014971	<b>8000 J 12</b>	12-25	3/8-1	139	39.0	1.3	72	5
2014998	<b>8000 J 22</b>	19-60	3/4-2.3/8	180	52.0	1.8	146	5
2015005	<b>8000 J 32</b>	40-100	1.5/8-4	226	64.0	2.3	230	1
2015013	<b>8000 J 42</b>	85-140	3.3/8-5.1/2	316	78.5	3.2	590	1

**8000 J 4 - J 6**

**CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS**

- ▣ Straight nose
- ▣ Tips and lock lever zinc-plated
- ▣ Black powder-coated
- ▣ Lever handle-end dip-insulated
- ▣ Finger protection
- ▣ Reinforced safety arms
- ▣ E-8000 J = pair of spare tips

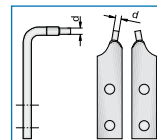


Code	No.	Ø mm	Ø inch	d	↳ mm ↵	↕	↔	↻
2011794	<b>8000 J 4 EL</b>	85-140	3.3/8-5.1/2	3.2	565	1890	1	↻
6703750	<b>8000 J 5</b>	122-300	4.13/16-11.7/8	3.5	565	1890	1	
6703830	<b>8000 J 6</b>	252-400	9.15/16-15.13/16	4.5	575	1900	1	
2011700	<b>E-8000 J 4 EL</b>			3.2		50	1	↻
5703700	<b>E-8000 J 5</b>			3.5		50	1	
5703890	<b>E-8000 J 6</b>			4.5		50	1	

**8000 J 41 - J 61**

**CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS**

- ▣ 90° angled nose
- ▣ Tips and lock lever zinc-plated
- ▣ Lever handle-end dip-insulated
- ▣ Finger protection
- ▣ Reinforced safety arms
- ▣ E-8000 J = pair of spare tips



Code	No.	Ø mm	Ø inch	d	↳ mm ↵	↕	↔	↻
2011808	<b>8000 J 41 EL</b>	85-140	3.3/8-5.1/2	3.2	575	1940	1	↻
6704720	<b>8000 J 51</b>	122-300	4.13/16-11.7/8	3.5	575	1940	1	
6718510	<b>8000 J 61</b>	252-400	9.15/16-15.13/16	4.5	579	1960	1	
2011719	<b>E-8000 J 41 EL</b>			3.2		50	1	↻
5704780	<b>E-8000 J 51</b>			3.5		50	1	
5702730	<b>E-8000 J 61</b>			4.5		50	1	



## CIRCLIP PLIERS FOR RETAINING RINGS (PARALLEL)

By using appropriately spaced clamping tips, the circlip is securely clamped before any opening force is applied by the pliers. This avoids unnecessary movement of the pliers, and allows the circlip to be fully opened. The special parallel action of the clamping tips and their recesses in the direction of the applied pressure ensure that the circlip is securely and safely clamped. DBGM = German Utility Patent.

### 8005 A

#### CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

- For shafts
- Supplied with four different clamping tips



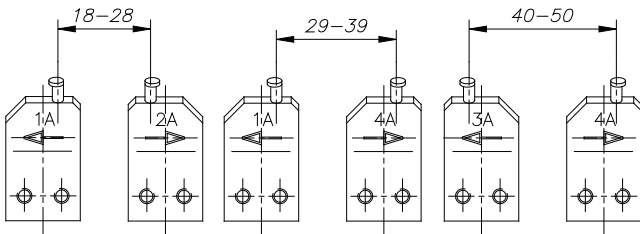
Code	No.	● mm	⊙ mm	⊙ mm	⊖ mm	⊖ mm	⊖ mm
6707150	<b>8005 A</b>	305-500	4,5	5,9	665	3650	1

### E-8005 A

#### SPARE TIPS for external retaining rings (per piece)

##### Instructions for use:

- 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



Code	No.	⊖ mm	⊖ mm
5700790	<b>E-8005 1 A</b>	100	1
5702220	<b>E-8005 2 A</b>	100	1
5702300	<b>E-8005 3 A</b>	100	1
5702490	<b>E-8005 4 A</b>	100	1



Deviant packing units see article description.

### 8005 J

#### CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

- For bores
- Supplied with six different clamping tips



Code	No.	○ mm	⊙ mm	⊙ mm	⊖ mm	⊖ mm	⊖ mm
6707230	<b>8005 J</b>	305-500	4,5	5,9	705	3350	1

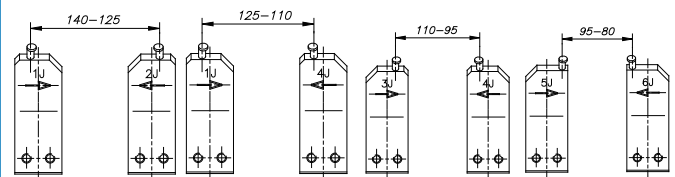


### E-8005 J

#### SPARE TIPS for internal retaining rings (per piece)

##### Instructions for use:

- 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



Code	No.	⊖ mm	⊖ mm
5703380	<b>E-8005 1 J</b>	100	1
5703460	<b>E-8005 2 J</b>	100	1
5704190	<b>E-8005 3 J</b>	100	1
5703540	<b>E-8005 4 J</b>	100	1
5703620	<b>E-8005 5 J</b>	100	1
5703970	<b>E-8005 6 J</b>	100	1

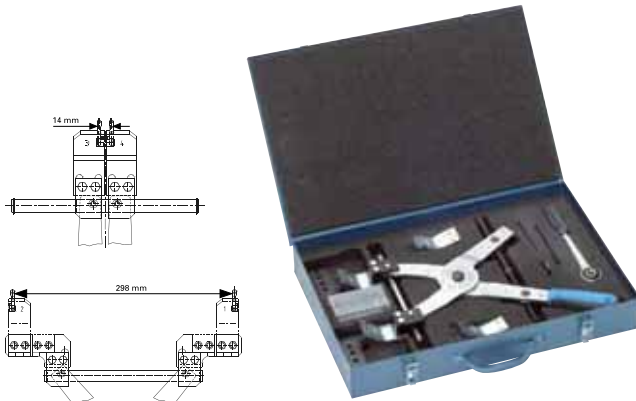


**CIRCLIP PLIERS X-GRIP**

**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
- Pliers 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 (for quick adjustment)
- Plastic box E-1000 P
- Rugged sheet steel case with foam insert



Code	No.	mm	mm
1896237	<b>S 8006</b>	7300	1

**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



Code	No.	mm	mm	mm	mm
1394401	<b>8006</b>	252-1000	4.5	5,9	3435

**E-8006**

**X-GRIP PARTS**

Code	No.	Description	mm	mm
1575333	<b>E-8006 1</b>	Basic body no. 1 with spare tip 5.9 mm Ø	108	1
1575341	<b>E-8006 2</b>	Basic body no. 2 with spare tip 5.9 mm Ø	108	1
1896245	<b>E-8006 3</b>	Basic body no. 3 with spare tip 4.5 mm Ø	117	1
1896253	<b>E-8006 4</b>	Basic body no. 4 with spare tip 4.5 mm Ø	117	1
1896369	<b>E-8006 X 4,5</b>	Spare tip 4.5 mm Ø	5	1
1896350	<b>E-8006 X 5,9</b>	Spare tip 5.9 mm Ø	5	1
1910620	<b>E-8006 X</b>	Spindle with spindle bearing, 265 mm long	1	1

**GRIP WRENCHES**

**137**

**GRIP WRENCH**

- With adjusting screw and release lever, model 137 10 with blue dip-insulated lever
- Forged, hardened and tempered jaws, special jaw shape for secure gripping, clamping and holding
- Automatically welded upper jaw - absolutely solid connection with the sheet steel body
- Intelligent jaw design guarantees a three-point contact with all material cross-sections
- Threaded bore welded at bottom
- No widening under extreme loading
- Safe release
- Special spring keeps release lever under constant pressure
- Nickel-plated



Code	No.	mm	mm	mm	mm	mm
6406620	<b>137 7</b>	175	7	25	1	300
6406700	<b>137 10</b>	240	10	32	1.1/4	550
6407270	<b>137 11</b>	280	11	45	1.3/4	750
6406890	<b>137 12</b>	300	12	45	1.3/4	1000

Code	No.	mm	mm	mm	mm	mm
1700022	<b>SB 137 7</b>	175	7	25	1	310
1700030	<b>SB 137 10</b>	240	10	32	1.1/4	560



**137 K**

**SPECIAL BODY GRIP WRENCH**

- All 3 models with adjusting screw and dip-insulated release lever (blue), nickel-plated
- 137 K1: Special jaws with flat clamping surfaces, 48x25 mm at top, 12x12 mm at bottom
- 137 K2: Special jaws with domed clamping surfaces, 25x20 mm at top, 12x12 mm at bottom
- 137 K3: Special jaws with flat clamping surfaces, 40x14 mm at top, 40x35 mm at bottom



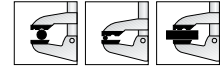
Code	No.	mm	mm
1736531	<b>137 K1</b>	580	1
1736558	<b>137 K2</b>	550	1
1736566	<b>137 K3</b>	670	1



**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



Code	No.	↳ mm ↳	↳ Inch ↳	mm	Inch		
6406380	<b>136 SP-100</b>	260	10	100	4	900	1
6406540	<b>136 SP-200</b>	260	10	200	8	1050	1



**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



Code	No.	↳ mm ↳	↳ Inch ↳	mm	Inch		
1954113	<b>137 KR-7</b>	210	280				1
1868039	<b>137 KR-10</b>	255	520				1

**136 BM**

**WIDE JAW GRIP WRENCH**

- ▶ For clamping edges and surfaces
- ▶ 80 mm jaw width
- ▶ Nickel-plated



Code	No.	↳ mm ↳	↳ Inch ↳	mm	Inch		
6406030	<b>136 BM</b>	200	8	30	1.1/4	370	1

**137 P**

**PARALLEL JAW GRIP WRENCH**

- ▶ 137 P With toothed jaws, for parallel clamping, with adjustment screw and release lever, jaw width 14 mm, jaw length 30 mm
- ▶ 137 PA With smooth jaws for plumbing fittings and sensitive surfaces, jaws = 8 x 29 mm, nickel-plated
- ▶ E-137 PB = PVC protective jaws for jaw width 14 x 30 mm



Code	No.	↳ mm ↳	↳ Inch ↳	mm	Inch		
6407000	<b>137 P</b>	250	10	50	2	700	1
6407190	<b>137 PA</b>	250	10	50	2	700	1
5400130	<b>E-137 PB</b>					50	1

**137 T**

**GRIP WRENCH FOR GLUEING**

- ▶ Quick, universal glue-ups
- ▶ Release lever blue dipped insulated
- ▶ Nickel-plated



Code	No.	↳ mm ↳	↳ Inch ↳	mm	Inch		
6403600	<b>137 T</b>	220	9	30-60	1.1/4-2.1/2	550	1

Code	No.	↳ mm ↳	↳ Inch ↳	mm	Inch		
1700006	<b>SB 137 T</b>	220	9	30-60	1.1/4-2.1/2	560	1

**139**

**GEDORE SPECIAL GRIP WRENCH**

- ▶ With movable lower jaw for clamping over a large area
- ▶ Release lever dip-insulated
- ▶ Nickel-plated



Code	No.	↳ mm ↳	↳ Inch ↳	mm	Inch		
6407940	<b>139</b>	250	10	45	1.3/4	600	1

Code	No.	↳ mm ↳	↳ Inch ↳	mm	Inch		
1700014	<b>SB 139</b>	250	10	45	1.3/4	610	1

**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 dip-insulated
- ▶ Tenon block not included



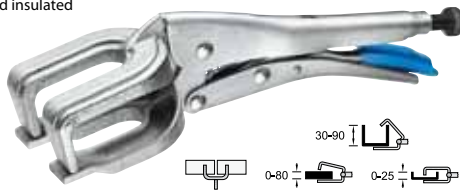
Code	No.	↳ mm ↳	↳ Inch ↳	mm	Inch		
6408080	<b>137 MSP</b>	280	11	100	4	1000	1



**138**

**WELDER'S GRIP WRENCH**

- For clamping strips and profile sections when welding
- Malleable cast iron jaws
- Nickel-plated
- Release lever blue dipped insulated



Code	No.	mm	inch	mm	inch	mm	inch	mm	inch
6407350	<b>138</b>	280	11	900					1

**138 X**

**WELDER'S GRIP WRENCH FOR TUBES**

- For clamping tubes and round stock when welding
- Malleable cast iron jaws
- Nickel-plated
- Release lever dip-insulated



Code	No.	mm	inch	mm	inch	mm	inch	mm	inch
6407510	<b>138 X</b>	280	11	10-90	3/8-3.1/2	900			1

**138 Y**

**PROFILE-SECTION GRIP WRENCH**

- For clamping bulky profile and angle sections
- Strong forged jaws
- GEDORE chrome-vanadium steel, nickel-plated
- Release lever dip-insulated



Code	No.	mm	inch	mm	inch	mm	inch	mm	inch
6407860	<b>138 Y</b>	280	11	95	3.3/4	75	3	700	1

Code	No.	mm	inch	mm	inch	mm	inch	mm	inch
1700049	<b>SB 138 Y</b>	280	11	95	3.3/4	75	3	710	1

**138 Z**

**PROFILE-SECTION GRIP WRENCH**

- For clamping extremely bulky profile sections
- Jaws made from forged and welded GEDORE chrome-vanadium special steel
- Extra wide clamping width
- Nickel-plated
- Release lever dip-insulated



Code	No.	mm	inch	mm	inch	mm	inch	mm	inch
6410730	<b>138 Z-460</b>	460	18	280	11	250	10	1000	1
6410810	<b>138 Z-600</b>	600	24	400	16	400	16	1300	1

Our extensive range of pipe wrenches, universal pliers and water pump pliers is listed up from page 342



**BOLT CUTTERS**

**177**

**BOLT CUTTER**

- Normal cutting performance
- Cutters made from high-carbon manganese-vanadium steel
- Induction hardened to Rockwell HRC 55-60
- Cam bolts for parallel adjustment of cutters
- Tensile strength 1125-1230 N/mm<sup>2</sup>, tubular steel handles
- Cutting heads gun-metal finished, handles enamelled, with rubber hand-grips



Code	No.	mm	inch	mm	inch
6438820	<b>177 18</b>	450	18	1700	1
6438900	<b>177 24</b>	600	24	2800	1
6439040	<b>177 30</b>	750	30	4200	1
6439120	<b>177 36</b>	900	36	6400	1
6439200	<b>177 42</b>	1050	42	8600	1

Code	No. Spare head	mm	inch
5438880	<b>E-177 18</b>	650	1
5438960	<b>E-177 24</b>	1030	1
5439180	<b>E-177 30</b>	1550	1
5439260	<b>E-177 36</b>	2000	1
5439340	<b>E-177 42</b>	2600	1



Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)





178

**BOLT CUTTER SUPER**

- ▶ Extra strong cutting performance
- ▶ Cutters made from high-carbon manganese-vanadium steel
- ▶ Induction hardened to Rockwell HRC 58-62
- ▶ Cam bolts for parallel adjustment of cutters
- ▶ Tensile strength 1125-1230 N/mm<sup>2</sup>, tubular steel handles
- ▶ Cutting heads and handles enamelled red, with rubber hand-grips



Code	No.	↳mm↪	↳Inch↪	↕	📦
6439470	<b>178 18</b>	450	18	1700	1
6439550	<b>178 24</b>	600	24	2800	1
6439630	<b>178 30</b>	750	30	4200	1
6439710	<b>178 36</b>	900	36	6400	1
6439980	<b>178 42</b>	1050	42	8600	1

Code	No. Spare head	↕	📦
5439420	<b>E-178 18</b>	650	1
5439500	<b>E-178 24</b>	1030	1
5439690	<b>E-178 30</b>	1550	1
5439770	<b>E-178 36</b>	2000	1
5439930	<b>E-178 42</b>	2600	1

**Maximum cutting power in mm**

L Zoll	in round steel, hardness												in threaded bolts hardness phases											
	145 HB 30 ≈ 490 N/mm <sup>2</sup> tensile strength						230 HB 30 ≈ 765 N/mm <sup>2</sup> tensile strength						230 HB 30 ≈ 765 N/mm <sup>2</sup> tensile strength						5,6 (5 D)		8,8 (8 D)		10,9 (10 K)	
	No.	177	178	177	178	177	178	177	178	177	178	177	178	177	178	177	178	177	178	177	178			
18"	7	8	6	7	5	6	7	8	6	7	5	6	7	8	6	7	5	6	7	8	6	7		
24"	9	10	8	9	6,5	8	8	10	7	8	6	7	8	9	7	8	6	7	8	9	7	8		
30"	10	12	9	10	8	9	10	12	8	10	7	8	9	10	8	10	7	8	9	10	8	10		
36"	12	14	10	12	9	10	12	1	10	12	8	10	12	1	10	12	8	10	12	1	10	12		
42"	14	16	11	14	10	11	14	16	12	14	10	12	14	16	12	14	10	12	14	16	12	14		

9850

**CUTTER FOR CONSTRUCTION STEEL MATS**

- ▶ Knife and tube head in special steel, hot forged
- ▶ Adjustable by means of adjusting screw
- ▶ Max. cutting power in round stock 40 HRC



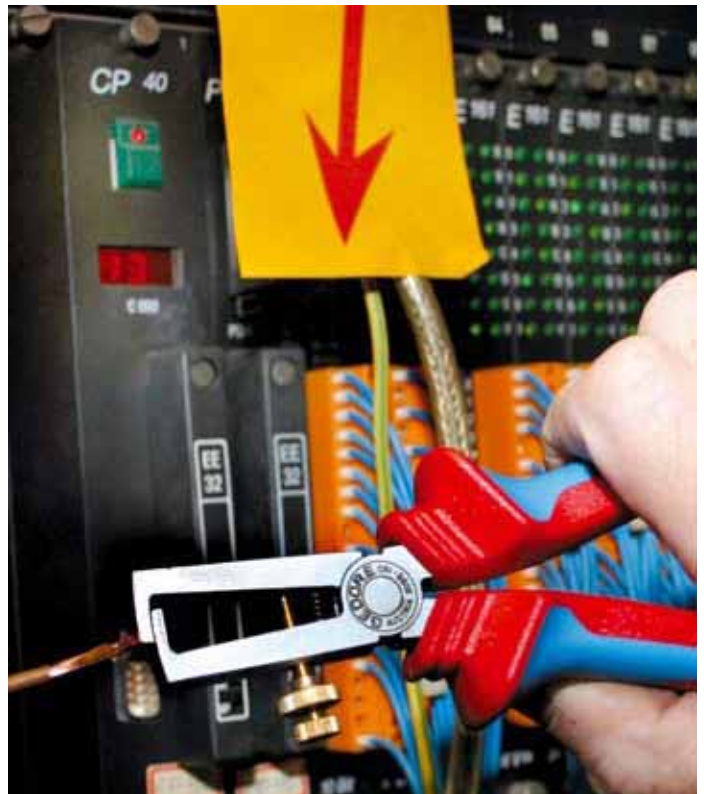
Code	No.	max. Ø mm	↳mm↪	↕	📦
4534390	<b>985095</b>	9 or 2 x 8	950	4.5	1

E 9850

**SPARE PARTS**



Code	No.	↕	📦
4624030	<b>985109</b>	980	1
	Spare knife head		
1468065	<b>985809</b>	120	1
	Adjusting screw with 2 nuts		
1912607	<b>985500</b>	305	1
	Screw set		



VDE insulated safety tools are listed up from page 256







**RZB1-2**

PLIERS SET 6 pieces





Code	No.	Contents		
1708155	<b>RZB1-2</b>	8098-160 JC 8120-160 JC 8122-160 JC 8132-160 JC 8250-180 JC 8316-180 JC	1660	1

**RZB1-10**

PLIERS SET 4 pieces





Code	No.	Contents		
1701290	<b>RZB1-10</b>	137 10 145 10 JC 8250-200 JC 247 H-35	2424	1

**RZB1-3**

PLIERS SET 8 pieces





Code	No.	Contents		
1692275	<b>RZB1-3</b>	8000 A 1 8000 A 11 8000 A 2 8000 A 21 8000 J 1 8000 J 11 8000 J 2 8000 J 21	1475	1

**RZB1-11**

PLIERS SET 4 pieces



Code	No.	Contents		
1692283	<b>RZB1-11</b>	8000 A 2 8000 A 21 8000 J 2 8000 J 21	1155	1



**RZB1-15**

PLIERS SET 4 pieces



Code	No.	Contents	Weight	Units
1823264	<b>RZB1-15</b>	<b>8098-160 JC</b> <b>8132-160 JC</b> <b>8250-180 JC</b> <b>8314-160 JC</b>	1320	1

**RZB2-12**

PLIERS SET 3 pieces



Code	No.	Contents	Weight	Units
1692305	<b>RZB2-12</b>	<b>8132-160 JC</b> <b>8250-180 JC</b> <b>8316-160 JC</b>	875	1

**RZB1-16**

TOOL SET 6 pieces



Code	No.	Contents	Weight	Units
1823671	<b>RZB1-16</b>	<b>8250-180 JC</b> <b>8316-160 JC</b> <b>2150 4 6,5</b> <b>2160 PH 1 2</b>	1305	1

**RZB1-18CR**

PLIERS SET 2 pieces + accessories



Code	No.	Contents	Weight	Units
1895249	<b>RZB1-18CR</b>	<b>8141</b> <b>8146</b> <b>End-sleeves</b> 0.50 0.75 1.00 1.50 2.50 4.00 6.00	3300	1



**GEDORE**



# INNOVATIVE TECHNOLOGY POWERFUL PULLING

## OVERVIEW

- ✔ Puller 2-arm pattern
- ✔ Puller 3-arm pattern
- ✔ Puller hydraulic
- ✔ Special tools
- ✔ Ball bearing extractor
- ✔ Bearing separator
- ✔ Internal extractor







Different requirements are placed on the various subassemblies of a puller. We take due account of this by hot forming the ideal steel for each subassembly.

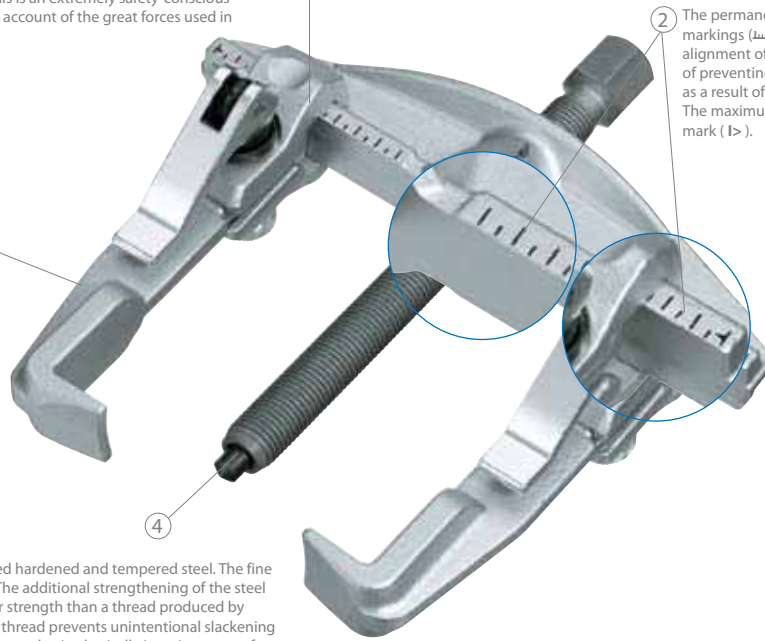
## 2-ARM PULLERS

① GEDORE cross-beams are hot forged in the forging die from hardened and tempered steel, giving them all the benefit of drop-forged components. A safety-relevant feature is the warning of overloading by the cross-beam bending. This is an extremely safety-conscious manufacturing process, taking account of the great forces used in pulling.

② The permanently laser-marked check tool markings (تسلسل) simplify the symmetrical alignment of the legs. This is a simple way of preventing any tilting during pulling, as a result of incorrectly positioned legs. The maximum spread is given by an end mark ( I > ).

③ Our quick-release legs are hot forged from 31CrV3, hardened and tempered. They form a positive fit with the cross-beam. The quick-release leg ensures easy setting and adjustment of the legs.

④ The spindle is made from turned hardened and tempered steel. The fine thread is subsequently rolled. The additional strengthening of the steel gives the rolled thread a higher strength than a thread produced by cutting. The lower pitch of fine thread prevents unintentional slackening resulting from impacts. The nitro-carburised spindle is maintenance-free. No oiling or greasing necessary! The tip of the spindle is equally suited to centred and non-centred shafts.



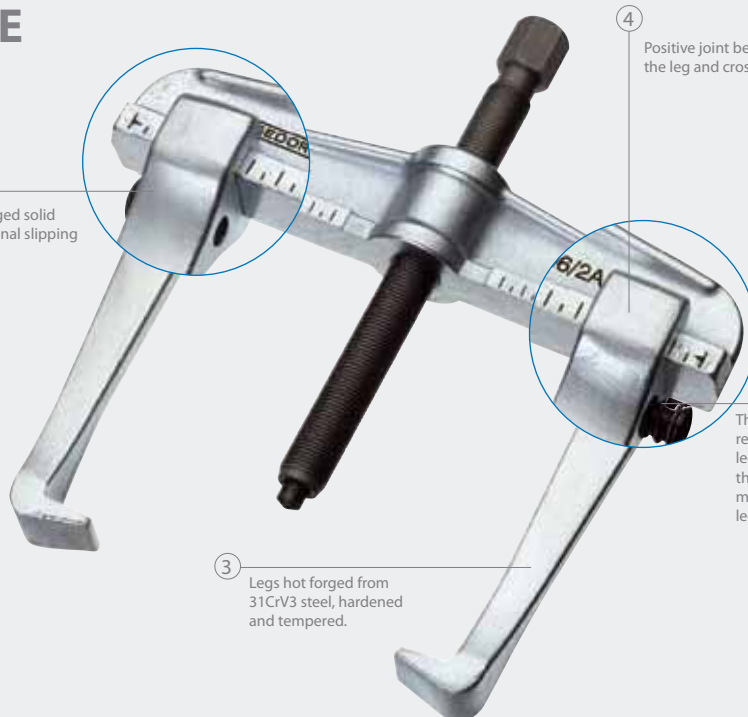
## LEG BRAKE

① The leg brake secures forged solid steel legs from unintentional slipping

④ Positive joint between the leg and cross-beam.

② The brake is unlatched by pressing on the release button. When the button is pressed, the leg can be slid along the cross-beam. Releasing the button locks the leg on the cross-beam. This minimizes the risk of accidents, resulting from legs slipping off.

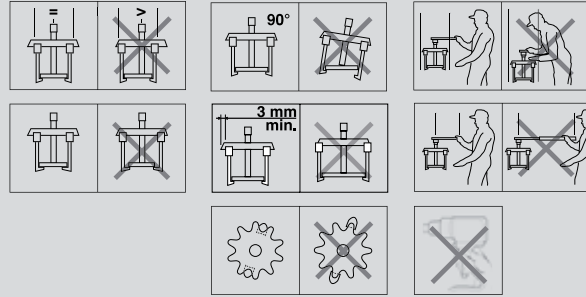
③ Legs hot forged from 31CrV3 steel, hardened and tempered.





## SAFETY NOTES

- 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 more 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 tonnes 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.



## SPINDLE SUMMARY

### SPINDLE SUMMARY

- KS = ball tip, exchangeable

Code	No.	Size/Drive	Threads	usable length
1084739	<b>129.106</b>	14	M 10x1,5	160
1084445	<b>1.1206110</b>	14	M 12x1,5	110
1084747	<b>129.206</b>	14	M 12x1,75	195
1084453	<b>1.1406050</b>	17	M 14x1,5	50
1084461	<b>1.1406125</b>	17	M 14x1,5	125
1084488	<b>1.1406140</b>	17	M 14x1,5	140
1546821	<b>1.1406140KS</b>	17	M 14x1,5	140
1084798	<b>144.15006</b>	17	M 14x1,5	150
1084518	<b>1.1406155</b>	17	M 14x1,5	155
1576224	<b>1.1406200</b>	17	M 14x1,5	200
1084755	<b>129.306</b>	17	M 14x2,0	210
1084526	<b>1.1806080</b>	19	M 18x1,5	80
1084542	<b>1.1806130</b>	19	M 18x1,5	130
1084550	<b>1.1806170</b>	19	M 18x1,5	170
1084569	<b>1.1806200</b>	19	M 18x1,5	200
1084763	<b>129.406</b>	19	M 18x2,5	230
1084577	<b>1.2106110</b>	22	G 1/2"	110
1084585	<b>1.2106160</b>	22	G 1/2"	160
1084623	<b>1.2106175</b>	22	G 1/2"	175
1084593	<b>1.2106210</b>	22	G 1/2"	210
1546872	<b>1.2106210KS</b>	22	G 1/2"	210
1084631	<b>1.2106250</b>	22	G 1/2"	250
1084658	<b>1.2106350</b>	22	G 1/2"	350
1084771	<b>129.506</b>	22	M 20x2,5	235
1084666	<b>1.2606180</b>	27	G 3/4"	200
1084674	<b>1.2606280</b>	27	G 3/4"	280
1546910	<b>1.2606280KS</b>	27	G 3/4"	280
1084690	<b>1.3306310</b>	36	G 1"	310
1084704	<b>1.3306360</b>	36	G 1"	360
1084712	<b>1.3306500</b>	36	G 1"	500
1084720	<b>1.4206270</b>	41	G 1.1/4"	270

## 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/mm<sup>2</sup> lateral 21 N/mm<sup>2</sup>
- 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



Code	No.	Weight
1868195	<b>5.10</b>	3.9

## 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
- Using this bearing installation set more than 200 types of bearings may be re-installed effortlessly and without damage
- Set comprises: 33 impact rings, 3 aluminium impact sleeves, 10-50 mm for external Ø 26-110 mm, 1 recoil-free bodywork hammer with nylon heads
- In a strong plastic case, dimensions 450 x 360 x 140 mm



Code	No.	Weight
1120778	<b>1.85/1</b>	5.2

Spindle pressure pads are listed on page 244



**PULLER 2-/3-ARMS**

# 1.04 PULLER

Concentrated power forged from steel

## Working principle



1 The quick-action clamping device guarantees fast and uncomplicated setting and adjustment.

2 The legs with the T-profile guarantee the optimum positive transmission of force. Even the practical quick-action adjustment is protected by patent.

3 The cross-beam is impressive with its clear design. The robust force arms are designed for the highest loads.

4 The setting scale (مقياس) is a visual aid to parallel alignment of the legs to the spindle, ensuring a uniform distribution of forces

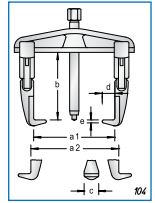
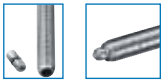
5 The tips of the spindle are equipped for different applications. Ball and tips can be easily and quickly exchanged.

6 The spindle is made from special high-grade steel. A special process during the thread manufacture and the thermo-chemical hardening guarantee the highest resistance force.

### 1.04

#### UNIVERSAL PULLER 2-arm pattern

- ✔ Cross-beam with bending-moment reinforcement
- ✔ Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- ✔ Cantilever design of legs enhances pulling power
- ✔ Quick-action legs
- ✔ Spindle with replaceable ball and tip
- ✔ Spindle thermo-chemically hardened
- ✔ Upgradeable with hydraulic spindle

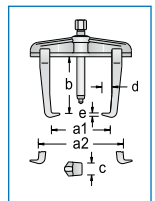


Code	No.	a <sub>1</sub>	a <sub>2 min</sub>	a <sub>2 max</sub>	b	⌀	⌀mm	c	d	e	max. t	Scale	⌀
1307703	<b>1.04/1A</b>	130	70	170	100	M 14x1,5 x 140	17	22	12	3.0	3.0	x	1.2
1307827	<b>1.04/2A</b>	200	110	260	150	G 1/2 x 210	22	30	18	3.5	5.0	x	3.4
1307940	<b>1.04/3A</b>	350	150	420	200	G 3/4 x 280	27	36	28	6.5	7.5	x	7.7

### 1.04/B

#### UNIVERSAL PULLER 2-arm pattern, rigid legs with leg brake

- ✔ Similar to universal puller no. 1.04/1A to 1.04/3A, but with rigid legs and 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
- ✔ Upgradeable with hydraulic spindle



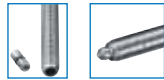
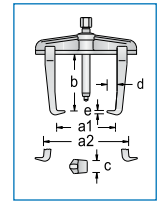
Code	No.	a <sub>1</sub>	a <sub>2 min</sub>	a <sub>2 max</sub>	b	⌀	⌀mm	c	d	e	max. t	Scale	⌀
1981110	<b>1.04/1A-B</b>	130	70	170	100	M 14x1,5 x 140	17	22	15	3.0	3.0	x	1.2
1981129	<b>1.04/2A-B</b>	200	110	260	150	G 1/2 x 210	22	30	24	3.5	5.0	x	3.4
1981137	<b>1.04/3A-B</b>	350	150	420	200	G 3/4 x 280	27	36	33	5.0	7.5	x	7.7



**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
- ▶ Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- ▶ Cantilever leg enhances power
- ▶ Spindle with replaceable ball and tip point
- ▶ Upgradeable with hydraulic spindle

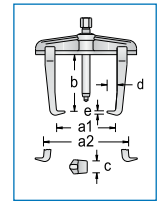


Code	No.	a <sub>1</sub>	a <sub>2 min</sub>	a <sub>2 max</sub>	b	←→	←→	● mm	c	d	e	max. t	↕	↕
1868152	<b>1.04/HP1A</b>	130	70	170	100	M 14x1,5 x 140		17	22	12	3.0	6.0	x	1.2
1868160	<b>1.04/HP2A</b>	200	110	260	150	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	10.0	x	3.4
1868179	<b>1.04/HP3A</b>	350	150	420	200	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	15.0	x	7.7

**1.04/HP-B**

**UNIVERSAL PULLER HIGH POWER 2-arm pattern, rigid legs with leg brake**

- ▶ Similar to universal puller no. 1.04/HP1A to 1.04/HP3A, but with rigid legs and 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
- ▶ Upgradeable with hydraulic spindle

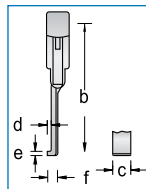


Code	No.	a <sub>1</sub>	a <sub>2 min</sub>	a <sub>2 max</sub>	b	←→	←→	● mm	c	d	e	max. t	↕	↕
1981145	<b>1.04/HP1A-B</b>	130	70	170	100	M 14x1,5 x 140		17	22	15	3.0	6.0	x	1.2
1981153	<b>1.04/HP2A-B</b>	200	110	260	150	G 1/2 x 210	1.06/HSP1	22	30	24	3.5	10.0	x	3.4
1981161	<b>1.04/HP3A-B</b>	350	150	420	200	G 3/4 x 280	1.06/HSP2	27	36	32	5.0	15.0	x	7.7

**1.04/E**

**PULLING LEGS set of 2 pieces**

- ▶ Quick-release pulling legs (1 pair) for 1.04



Code	No.	↕	b	c	d	e	↕
1308602	<b>1.04/AT-E</b>	1.04/1A	100	22	12	3.0	0.6
1308610	<b>1.04/BT-E</b>	1.04/2A	150	30	18	3.5	1.4
1308629	<b>1.04/CT-E</b>	1.04/3A	200	36	28	6.5	2.9

**1.04/ST**

**PULLER SET on display stand**

- ▶ Consisting of 1.04/1A, 1.04/2A, 1.04/3A



Code	No.	↕	↕	
1675982	<b>1.04/ST</b>	1.04/1A	1.04/2A 1.04/3A	15.2

**COROSTOP Pullers are listed on page 255**

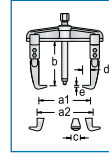




**1.06**

**UNIVERSAL PULLER 2-arm pattern**

- 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
- Reversible legs for internal or external pulling
- Available extras are replaceable legs for various clamping reaches
- Upgradeable with hydraulic spindle

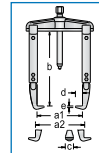


Code	No.	a <sub>1</sub>	a <sub>2 min</sub>	a <sub>2 max</sub>	b	mm	mm	mm	c	d	e	max. t	mm	mm
8000230	<b>1.06/1</b>	90	60	140	100	M 14x1,5 x 140	17	22	12	3.0	3.0	x	1.1	
8000310	<b>1.06/1A</b>	130	70	180	100	M 14x1,5 x 140	17	22	12	3.0	3.0	x	1.2	
8000580	<b>1.06/2</b>	160	80	220	150	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	x	3.0
8000660	<b>1.06/2A</b>	200	90	260	150	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	x	3.5
8000740	<b>1.06/3</b>	250	125	330	200	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	7.2
8000820	<b>1.06/3A</b>	350	125	420	200	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	8.2
8000900	<b>1.06/4</b>	520	185	600	200	G 1 x 310	1.06/HSP3	36	36	28	6.5	10.0	-	13.7
8112970	<b>1.06/5</b>	640	230	715	225	G 1 x 310	1.06/HSP3	36	50	33	10.0	18.0	-	23.5

**1.06**

**UNIVERSAL PULLER 2-arm pattern, with extended legs**

- Similar to universal puller no. 1.06/1 to 1.06/4, but with extended pulling legs
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Upgradeable with hydraulic spindle

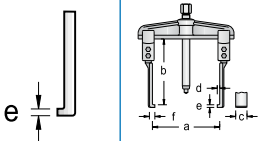


Code	No.	a <sub>1</sub>	a <sub>2 min</sub>	a <sub>2 max</sub>	b	mm	mm	mm	c	d	e	max. t	mm	mm
8108350	<b>1.06/1-2</b>	90	60	140	200	M 14x1,5 x 140	90	17	22	12	3.0	3.0	x	1.5
8108430	<b>1.06/1A-2</b>	130	70	180	200	M 14x1,5 x 140	17	22	12	3.0	3.0	x	1.6	
8108510	<b>1.06/2-3</b>	160	80	220	300	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	x	4.1
8108780	<b>1.06/2A-3</b>	200	90	260	300	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	x	4.5
8001200	<b>1.06/3-3</b>	250	125	330	300	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	9.1
8108860	<b>1.06/3A-3</b>	350	125	420	300	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	9.8
8108940	<b>1.06/4-3</b>	520	185	600	300	G 1 x 310	1.06/HSP3	36	36	28	6.5	10.0	x	15.2
8109080	<b>1.06/3-4</b>	250	125	330	400	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	10.0
8109160	<b>1.06/3A-4</b>	350	125	420	400	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	11.1
8109240	<b>1.06/4-4</b>	520	185	600	400	G 1 x 310	1.06/HSP3	36	36	28	6.5	10.0	-	16.4
8109320	<b>1.06/3-5</b>	250	125	330	500	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	11.3
8112380	<b>1.06/3A-5</b>	350	125	420	500	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	x	12.2
8112460	<b>1.06/4-5</b>	520	185	600	500	G 1 x 310	1.06/HSP3	36	36	28	6.5	10.0	-	19.0

**1.06/S**

**UNIVERSAL PULLER 2-arm pattern, with slim legs**

- The forged leg feet are very shallow
- 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



Code	No.	a	b	mm	mm	c	d	e	max. t	mm	mm
8113510	<b>1.06/S1</b>	100	100	M 14x1,5 x 140	17	27	7.5	3.7	2.0	x	1.0
8113780	<b>1.06/S1A</b>	140	100	M 14x1,5 x 140	17	27	7.5	3.7	2.5	x	1.1
8114830	<b>1.06/S2</b>	160	150	G 1/2 x 210	22	40	7.0	5.0	5.0	x	2.9
8114910	<b>1.06/S2A</b>	200	150	G 1/2 x 210	22	40	7.0	5.0	5.0	x	3.2



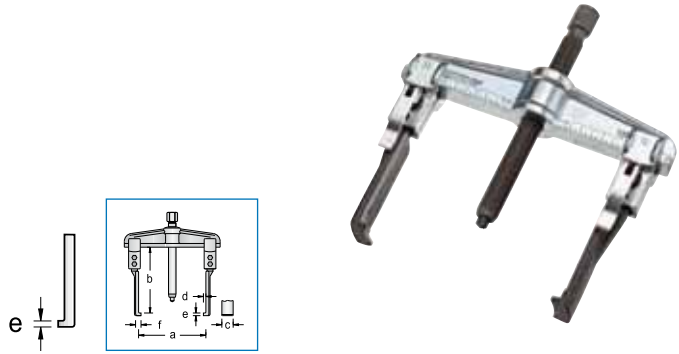




**1.06/S-E**

**QUICK-ACTION PULLER 2-arm pattern, with slim legs**

- The forged leg feet are very shallow
- 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
- Safe and quick removal of pulleys, wheels, ball bearings, etc.



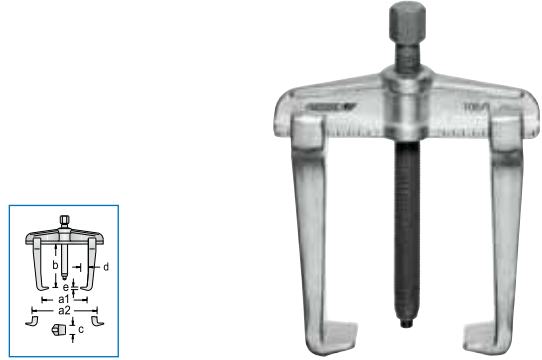
Code	No.	a	b			c	d	e	max. t			
2015706	<b>1.06/S1-E</b>	100	100	M 14x1,5 x 140	17	27	7.5	3.7	2.0	x	1.0	
2015714	<b>1.06/S1A-E</b>	140	100	M 14x1,5 x 140	17	27	7.5	3.7	2.5	x	1.1	
2015722	<b>1.06/S2-E</b>	160	150	G 1/2 x 210	22	40	7.0	5.0	5.0	x	2.9	
2015730	<b>1.06/S2A-E</b>	200	150	G 1/2 x 210	22	40	7.0	5.0	5.0	x	3.2	



**1.06**

**UNIVERSAL PULLER 2-arm pattern, with rigid legs**

- Similar to universal puller no. 1.06/1 to 1.06/4, but with rigid pulling legs
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Upgradeable with hydraulic spindle



Code	No.	a <sub>1</sub>	a <sub>2 min</sub>	a <sub>2 max</sub>	b			c	d	e	max. t			
8001470	<b>1.06/11</b>	100	50	140	100	M 14x1,5 x 140	17	22	15	3.0	3.0	x	0.9	
8001040	<b>1.06/1A1</b>	140	60	180	100	M 14x1,5 x 140	17	22	15	3.0	3.0	x	1.3	
8001550	<b>1.06/21</b>	170	80	220	150	G 1/2 x 210	1.06/HSP1	22	30	24	3.5	5.0	x	2.7
8001120	<b>1.06/2A1</b>	210	90	260	150	G 1/2 x 210	1.06/HSP1	22	30	24	3.5	5.0	x	3.3
8001630	<b>1.06/31</b>	250	125	340	200	G 3/4 x 280	1.06/HSP2	27	36	32	5.0	7.5	x	6.6
8001390	<b>1.06/3A1</b>	340	125	430	200	G 3/4 x 280	1.06/HSP2	27	36	32	5.0	7.5	x	7.5
8109400	<b>1.06/41</b>	520	185	610	200	G 1 x 310	1.06/HSP3	36	36	32	5.0	10.0	-	14.0

**1.06/B**

**UNIVERSAL PULLER 2-arm pattern, rigid legs with leg brake**

- Similar to universal puller no. 1.06/11 to 1.06/41, but with 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
- Upgradeable with hydraulic spindle



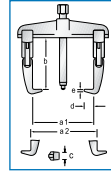
Code	No.	a <sub>1</sub>	a <sub>2 min</sub>	a <sub>2 max</sub>	b			c	d	e	max. t			
1956337	<b>1.06/11-B</b>	100	50	140	100	M 14x1,5 x 140	17	22	15	3.0	3.0	x	0.9	
1956345	<b>1.06/1A1-B</b>	140	60	180	100	M 14x1,5 x 140	17	22	15	3.0	3.0	x	1.3	
1956353	<b>1.06/21-B</b>	170	80	220	150	G 1/2 x 210	1.06/HSP1	22	30	24	3.5	5.0	x	2.8
1956361	<b>1.06/2A1-B</b>	210	90	260	150	G 1/2 x 210	1.06/HSP1	22	30	24	3.5	5.0	x	3.3
1956388	<b>1.06/31-B</b>	250	125	340	200	G 3/4 x 280	1.06/HSP2	27	36	32	5.0	7.5	x	6.7
1956396	<b>1.06/3A1-B</b>	340	125	430	200	G 3/4 x 280	1.06/HSP2	27	36	32	5.0	7.5	x	7.5
1958399	<b>1.06/41-B</b>	520	185	610	200	G 1 x 310	1.06/HSP3	36	36	32	5.0	10.0	-	14.0



**1.06/E**

**QUICK-ACTION PULLER 2-arm pattern**

- ✔ 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
- ✔ Reversible legs for internal or external pulling
- ✔ Upgradeable with hydraulic spindle



Code	No.	a <sub>1</sub>	a <sub>2 min</sub>	a <sub>2 max</sub>	b	→	● mm	c	d	e	max. t	max. N	↕	↔
1213830	<b>1.06/1-E</b>	90	60	140	100	M 14x1,5 x 140	17	22	12	3.0	3.0	x	1.1	
1215140	<b>1.06/1A-E</b>	130	70	180	100	M 14x1,5 x 140	17	22	12	3.0	3.0	x	1.3	
1216570	<b>1.06/2-E</b>	160	80	220	150	G 1/2 x 210	22	30	18	3.5	5.0	x	3.0	
1217720	<b>1.06/2A-E</b>	200	90	260	150	G 1/2 x 210	22	30	18	3.5	5.0	x	3.5	
1218980	<b>1.06/3-E</b>	250	125	330	200	G 3/4 x 280	27	36	28	6.5	7.5	x	7.1	
1220160	<b>1.06/3A-E</b>	350	125	420	200	G 3/4 x 280	27	36	28	6.5	7.5	x	8.2	



**Remember the safety cover!**

📖 205



Detailed information on products, promotions and trade fairs

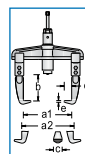
... [www.gedore.com](http://www.gedore.com)



**1.06/HSP**

**UNIVERSAL PULLER hydraulic, 2-arm pattern**

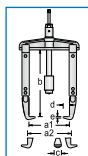
- ✔ Strong drop forged pattern
- ✔ Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- ✔ Reversible legs for internal or external pulling



Code	No.	a <sub>1</sub>	a <sub>2</sub>	b	→	c	d	e	max. t	max. N-m	↕	↔
8000150	<b>1.06/2-HSP1</b>	160	220	75	1.06/HSP1	30	18	3.5	5.0	10	x	3.6
8002870	<b>1.06/2A-HSP1</b>	200	260	75	1.06/HSP1	30	18	3.5	5.0	10	x	4.0
8003170	<b>1.06/3-HSP2</b>	250	330	125	1.06/HSP2	36	28	6.5	7.5	14	x	7.5
8003920	<b>1.06/3A-HSP2</b>	350	420	125	1.06/HSP2	36	28	6.5	7.5	14	x	8.8
8004060	<b>1.06/4-HSP3</b>	520	600	90	1.06/HSP3	36	28	6.5	10.0	28	-	14.6
8004730	<b>1.06/5-HSP3</b>	640	715	110	1.06/HSP3	50	33	10.0	18.0	40	-	24.9

**1.06/HSP****UNIVERSAL PULLER hydraulic, 2-arm pattern, with extended legs**

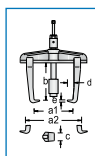
- Strong drop forged pattern
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Reversible legs for internal or external pulling



Code	No.	a <sub>1</sub>	a <sub>2</sub>	b	←→	c	d	e	max. t	max. N·m	↕	↔
8005700	<b>1.06/2-3-HSP1</b>	160	220	225	1.06/HSP1	30	18	3.5	5.0	10	x	4.6
8005890	<b>1.06/2A-3-HSP1</b>	200	260	225	1.06/HSP1	30	18	3.5	5.0	10	x	5.0
8005970	<b>1.06/3-3-HSP2</b>	250	330	225	1.06/HSP2	36	28	6.5	7.5	14	x	9.6
8006940	<b>1.06/3A-3-HSP2</b>	350	420	225	1.06/HSP2	36	28	6.5	7.5	14	x	10.2
8007240	<b>1.06/4-3-HSP3</b>	520	600	190	1.06/HSP3	36	28	6.5	10.0	28	x	16.1
8007670	<b>1.06/3-4-HSP2</b>	250	330	325	1.06/HSP2	36	28	6.5	7.5	14	x	10.7
8007750	<b>1.06/3A-4-HSP2</b>	350	420	325	1.06/HSP2	36	28	6.5	7.5	14	x	11.8
8007830	<b>1.06/4-4-HSP3</b>	520	600	290	1.06/HSP3	36	28	6.5	10.0	28	-	17.4
8007910	<b>1.06/3-5-HSP2</b>	250	330	425	1.06/HSP2	36	28	6.5	7.5	14	x	11.8
8008480	<b>1.06/3A-5-HSP2</b>	350	420	425	1.06/HSP2	36	28	6.5	7.5	14	x	12.7
8008560	<b>1.06/4-5-HSP3</b>	520	600	390	1.06/HSP3	36	28	6.5	10.0	28	-	19.0

**1.06/HSP****UNIVERSAL PULLER hydraulic, 2-arm pattern, with rigid legs**

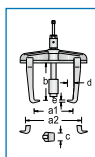
- Strong drop forged pattern
- Scale for uniform adjustment of the puller legs. Allows centred pulling, with optimised application of force, even when extremely high pulling forces are required
- Reversible legs for internal or external pulling



Code	No.	a <sub>1</sub>	a <sub>2</sub>	b	←→	c	d	e	max. t	max. N·m	↕	↔
8008640	<b>1.06/21-HSP1</b>	170	220	75	1.06/HSP1	30	24	3.5	5.0	10	x	3.3
8008720	<b>1.06/2A1-HSP1</b>	210	260	75	1.06/HSP1	30	24	3.5	5.0	10	x	3.6
8008800	<b>1.06/31-HSP2</b>	250	340	115	1.06/HSP2	36	32	5.0	7.5	14	x	7.2
8008990	<b>1.06/3A1-HSP2</b>	340	430	115	1.06/HSP2	36	32	5.0	7.5	14	x	8.3
8009370	<b>1.06/41-HSP3</b>	520	610	80	1.06/HSP3	36	32	5.0	10.0	28	-	14.0

**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
- Prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button
- Reversible legs for internal or external pulling

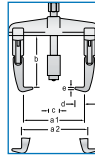


Code	No.	a <sub>1</sub>	a <sub>2</sub>	b	←→	c	d	e	max. t	max. N·m	↕	↔
1957899	<b>1.06/21-B-HSP1</b>	170	220	75	1.06/HSP1	30	24	3.5	5.0	10	x	3.3
1957902	<b>1.06/2A1-B-HSP1</b>	210	260	75	1.06/HSP1	30	24	3.5	5.0	10	x	3.6
1957910	<b>1.06/31-B-HSP2</b>	250	340	115	1.06/HSP2	36	32	5.0	7.5	14	x	7.2
1957929	<b>1.06/3A1-B-HSP2</b>	340	430	115	1.06/HSP2	36	32	5.0	7.5	14	x	8.3
1957937	<b>1.06/41-B-HSP3</b>	520	610	80	1.06/HSP3	36	32	5.0	10.0	28	-	14.0

**1.06/HSP-E**

**QUICK-ACTION PULLER hydraulic, 2-arm pattern**

- ▶ With quick-release legs
- ▶ 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
- ▶ Reversible legs for internal or external pulling

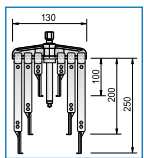


Code	No.	a <sub>1</sub>	a <sub>2</sub>	b		c	d	e	max. t	max. N-m	⚙️	🚚
1221256	<b>1.06/2-E-HSP1</b>	160	220	75	1.06/HSP1	30	18	3.5	5.0	10	x	3.8
1221450	<b>1.06/2A-E-HSP1</b>	200	260	75	1.06/HSP1	30	18	3.5	5.0	10	x	4.1
1221639	<b>1.06/3-E-HSP2</b>	250	330	125	1.06/HSP2	36	28	6.5	7.5	14	x	7.5
1221760	<b>1.06/3A-E-HSP2</b>	350	420	125	1.06/HSP2	36	28	6.5	8.0	14	x	8.7

**1.06/AS**

**PULLER SET with 6 legs**

- ▶ 2-arm puller, with 6 slim legs in 3 lengths
- ▶ Particularly suitable for barely-accessible places



Code	No.	⚙️	🚚	e	⚙️	🚚
8001710	<b>1.06/AS</b>	130	100 / 200 / 250	3.7	x	3.400
1675974	<b>1.06/AS-2</b>	200	150 / 220 / 300	5.0	x	8.060



**1.06/ST**

**PULLER SET on display stand**

- ▶ Consisting of 5 pullers each in different sizes with standard, rigid pattern, quick-release pulling legs or rigid legs with leg brake



1.06/ST



1.06/ST-E



1.06/ST1-B

Code	No.	⚙️	🚚
8111570	<b>1.06/ST</b>	1.06/1 1.06/1A 1.06/2 1.06/2A 1.06/3	19.0
8111650	<b>1.06/ST1</b>	1.06/11 1.06/1A1 1.06/21 1.06/2A1 1.06/31	17.2
2004569	<b>1.06/ST1-B</b>	1.06/11-B 1.06/1A1-B 1.06/21-B 1.06/2A1-B 1.06/31-B	17.2
1322745	<b>1.06/ST-E</b>	1.06/1-E 1.06/1A-E 1.06/2-E 1.06/2A-E 1.06/3-E	19.2



### 1.06/HSP

#### HYDRAULIC PRESSURE SPINDLE

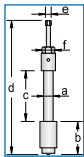
- For controlled and safe pulling work
- Set up for a pressure of 10 t, 12 t or 15 t

#### 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.

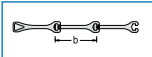


Code	No.	a	b	c	d	e	f	Stroke	max. t	
8116100	<b>1.06/HSP1</b>	1/2"	80	135	350	12	32	12	10	1.1
8116290	<b>1.06/HSP2</b>	3/4"	80	205	420	12	36	12	12	1.8
8116370	<b>1.06/HSP3</b>	1"	125	165	465	17	41	12	15	3.6

### 1.06/V

#### EXTENSION FOR PULLERS

- Rigid pattern drop forged
- Clamping reach to be extended indefinitely
- Delivery in pairs

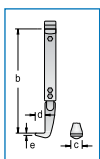


Code	No.	for hooks	$\tau_{\text{ts}}$	
8036500	<b>1.06/V100</b>	1.06/A 1.06/100	100	0.4
8036690	<b>1.06/V150</b>	1.06/B 1.06/150	150	1.1
8036770	<b>1.06/V200</b>	1.06/C 1.06/200	200	2.5

### 1.06/A-D

#### PULLING LEGS set of 2 pieces

- In standard lengths

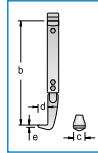


Code	No.	$\tau_{\text{ts}}$	b	c	d	e	
8035020	<b>1.06/A</b>	1.06/1 1.06/1A	100	22	12	3.0	0.6
8035100	<b>1.06/B</b>	1.06/2 1.06/2A	150	30	18	3.5	1.5
8035290	<b>1.06/C</b>	1.06/3 1.06/3A 1.06/4	200	36	28	6.5	3.3
8114400	<b>1.06/D</b>	1.06/5	225	50	35	11.0	4.3

### 1.06/AV-EV

#### PULLING LEGS set of 2 pieces, long pattern

- In special lengths



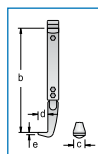
Code	No.	$\tau_{\text{ts}}$	b	c	d	e	
8035370	<b>1.06/AV</b>	1.06/1 1.06/1A	200	22	12	3.0	1.0
8035450	<b>1.06/BV</b>	1.06/2 1.06/2A	300	30	18	3.5	2.7
8035530	<b>1.06/CV</b>	1.06/3 1.06/3A 1.06/4	300	36	28	6.5	4.8
8035610	<b>1.06/DV</b>	1.06/3 1.06/3A 1.06/4	400	36	28	6.5	5.9
8035880	<b>1.06/EV</b>	1.06/3 1.06/3A 1.06/4	500	36	28	6.5	7.4



### 1.06/D

#### PULLING LEGS set of 2 pieces

- In rigid pattern

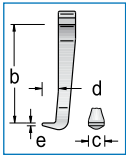


Code	No.	$\tau_{\text{ts}}$	b	c	d	e	
8112700	<b>1.06/D-300</b>	1.06/5	320	50	35	11.0	6.0
8112890	<b>1.06/D-400</b>	1.06/5	420	50	35	11.0	7.1
8113860	<b>1.06/D-500</b>	1.06/5	520	50	35	11.0	8.7



**1.06**

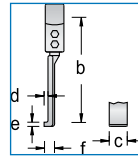
**PULLING LEGS set of 2 pieces, rigid pattern**  
 ▣ Forged from one piece



Code	No.	⌀	b	c	d	e	⌀
8036260	<b>1.06/100</b>	1.06/11 1.06/1A1	100	22	15	3.0	0.4
8111490	<b>1.06/150</b>	1.06/21 1.06/2A1	150	30	24	3.5	1.2
8036420	<b>1.06/200</b>	1.06/31 1.06/3A1 1.06/41	200	36	32	5.0	2.7

**1.06/S**

**PULLING LEGS set of 2 pieces, slim pattern**  
 ▣ The forged leg feet are very shallow  
 ▣ Particularly suitable for barely-accessible places

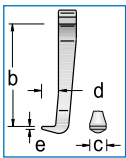


Code	No.	⌀	b	d	e	c	f	⌀
1175513	<b>1.06/S100</b>	1.06/S1 1.06/S1A	100	7.5	3.7	27	14.5	0.5
1175548	<b>1.06/S200</b>	1.06/S1 1.06/S1A	200	7.5	3.7	27	14.5	1.0
1175556	<b>1.06/S250</b>	1.06/S1 1.06/S1A	250	7.5	3.7	27	14.5	1.3
1554840	<b>1.06/S100S</b>	1.06/S1 1.06/S1A	100	7.5	2.0	27	14.5	0.5
1554859	<b>1.06/S200S</b>	1.06/S1 1.06/S1A	200	7.5	2.0	27	14.5	0.9
1554867	<b>1.06/S250S</b>	1.06/S1 1.06/S1A	250	7.5	2.0	27	14.5	1.0
1175564	<b>1.06/S150</b>	1.06/S2 1.06/S2A	150	7.0	5.0	40	15.5	1.3
1175572	<b>1.06/S220</b>	1.06/S2 1.06/S2A	220	7.0	5.0	40	15.5	1.7
1175580	<b>1.06/S300</b>	1.06/S2 1.06/S2A	300	7.0	5.0	40	15.5	2.2



**1.06/B**

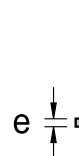
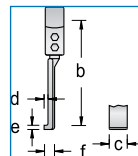
**PULLING LEGS set of 2 pieces, rigid pattern with leg brake**  
 ▣ Forged from one piece  
 ▣ Prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button



Code	No.	⌀	b	c	d	e	⌀
1956418	<b>1.06/100-B</b>	1.04/1A-B 1.04/HP1A-B 1.06/11 1.06/11-B 1.06/1A1 1.06/1A1-B	100	22	15	3.0	0.4
1956426	<b>1.06/150-B</b>	1.04/2A-B 1.04/HP2A-B 1.06/21 1.06/21-B 1.06/2A1 1.06/2A1-B	150	30	24	3.5	1.2
1956434	<b>1.06/200-B</b>	1.04/3A-B 1.04/HP3A-B 1.06/31 1.06/31-B 1.06/3A1 1.06/3A1-B 1.06/41 1.06/41-B	200	36	32	5.0	2.7

**1.06/S-E**

**QUICK-RELEASE PULLING LEGS set of 2 pieces, slim pattern**  
 ▣ The forged leg feet are very shallow  
 ▣ Particularly suitable for barely-accessible places

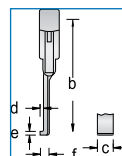


Code	No.	⌀	b	d	e	c	f	⌀	⌀
2015889	<b>1.06/S100-E</b>	1.06/S1 1.06/S1A	100	7.5	3.7	27	14.5	0.5	⌀
2015897	<b>1.06/S200-E</b>	1.06/S1 1.06/S1A	200	7.5	3.7	27	14.5	1.0	⌀
2015900	<b>1.06/S250-E</b>	1.06/S1 1.06/S1A	250	7.5	3.7	27	14.5	1.3	⌀
2015919	<b>1.06/S100S-E</b>	1.06/S1 1.06/S1A	100	7.5	2.0	27	14.5	0.5	⌀
2015927	<b>1.06/S200S-E</b>	1.06/S1 1.06/S1A	200	7.5	2.0	27	14.5	0.9	⌀
2015935	<b>1.06/S250S-E</b>	1.06/S1 1.06/S1A	250	7.5	2.0	27	14.5	1.0	⌀
2015943	<b>1.06/S150-E</b>	1.06/S2 1.06/S2A	150	7.0	5.0	40	15.5	1.3	⌀
2015951	<b>1.06/S220-E</b>	1.06/S2 1.06/S2A	220	7.0	5.0	40	15.5	1.7	⌀
2015978	<b>1.06/S300-E</b>	1.06/S2 1.06/S2A	300	7.0	5.0	40	15.5	2.2	⌀



**1.06/E**

**QUICK-RELEASE PULLING LEGS set of 2 pieces**  
 ▣ Quick and uncomplicated setting-up and readjustment



Code	No.	⌀	b	c	d	e	⌀
1221213	<b>1.06/A-E</b>	1.06/1-E 1.06/1A-E	100	22	12	3.0	0.6
1221221	<b>1.06/B-E</b>	1.06/2-E 1.06/2A-E	150	30	18	3.5	1.5
1221248	<b>1.06/C-E</b>	1.06/3-E 1.06/3A-E	200	36	28	6.5	3.2

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 promotions and trade fairs  
 ... [www.gedore.com](http://www.gedore.com)

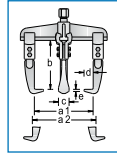




**1.07**

**UNIVERSAL PULLER 3-arm pattern**

- Even load distribution over 3 legs ensures secure grip and balanced pull
- Reversible legs for internal or external pulling
- Upgradeable with hydraulic spindle
- Legs available in different lengths for special situations



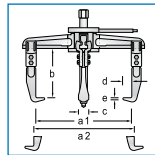
Code	No.	a <sub>1</sub>	a <sub>2 min</sub>	a <sub>2 max</sub>	b			● mm	c	d	e	max. t	
8113940	<b>1.07/1</b>	90	70	140	100	M 14x1,5 x 140		17	22	12	3.0	3.0	1.4
8114080	<b>1.07/1A</b>	130	80	180	100	M 14x1,5 x 140		17	22	12	3.0	3.0	1.6
8114160	<b>1.07/2</b>	160	100	220	150	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	3.6
8114240	<b>1.07/2A</b>	200	100	260	150	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	4.2
1541757	<b>1.07/3</b>	250	100	400	200	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	9.3



**1.07/4**

**UNIVERSAL PULLER 3-arm pattern**

- Particularly suitable for removing heavy, multistage pulley wheels, flywheels, gear wheels, etc.
- Pins are used to lock the arms at 120 degrees to each other on the hub
- The clamping reach may be extended to 490 mm by using extensions no. 1.07/CV, 1.07/DV and 1.07/EV
- Upgradeable with hydraulic spindle
- When used with the hydraulic aid 1.50, the puller needs no bush to reduce the size

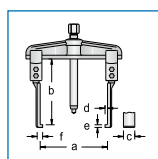


Code	No.	a <sub>1</sub>	a <sub>2</sub>	b			● mm	c	d	e	max. t	
8002440	<b>1.07/4</b>	450	530	200	G 1 x 360	1.06/HSP3	36	36	28	6.5	10	18.8
1958003	<b>1.07/4A</b>	580	640	200	G 1 x 360	1.06/HSP3	36	36	28	6.5	10	22.0

**1.07/S**

**UNIVERSAL PULLER 3-arm pattern, with slim legs**

- The forged leg feet are very shallow
- Particularly suitable for barely-accessible places



Code	No.	a	b		● mm	c	d	e	max. t	
8116450	<b>1.07/S1</b>	90	100	M 14x1,5 x 140	17	27	7.5	3.7	2.5	1.3
8116530	<b>1.07/S1A</b>	130	100	M 14x1,5 x 140	17	27	7.5	3.7	2.5	1.4
8116610	<b>1.07/S2</b>	160	150	G 1/2 x 210	22	40	7.0	5.0	5.0	3.6
8116880	<b>1.07/S2A</b>	200	150	G 1/2 x 210	22	40	7.0	5.0	5.0	3.9

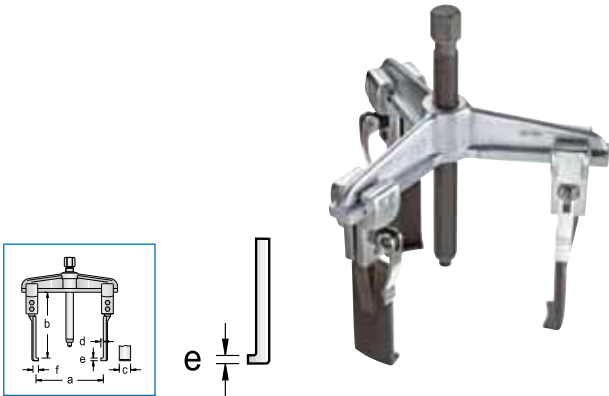




**1.07/S-E**

**QUICK-ACTION PULLER 3-arm pattern, with slim legs**

- ▣ The forged leg feet are very shallow
- ▣ Particularly suitable for barely-accessible places
- ▣ Safe and quick removal of pulleys, wheels, ball bearings, etc.

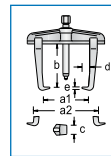


Code	No.	a	b	mm	c	d	e	max. t	mm	mm
2016036	<b>1.07/S1-E</b>	90	100	M 14x1,5 x 140	17	27	7.5	3.7	2.5	1.3
2016044	<b>1.07/S1A-E</b>	130	100	M 14x1,5 x 140	17	27	7.5	3.7	2.5	1.4
2016052	<b>1.07/S2-E</b>	160	150	G 1/2 x 210	22	40	7.0	5.0	5.0	3.6
2016060	<b>1.07/S2A-E</b>	200	150	G 1/2 x 210	22	40	7.0	5.0	5.0	3.9

**1.07**

**UNIVERSAL PULLER 3-arm pattern, with rigid legs**

- ▣ Similar to universal puller no. 1.07/1 to 1.07/3, but with rigid pulling legs
- ▣ The shallow forging increases accessibility

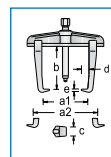


Code	No.	a <sub>1</sub>	a <sub>2 min</sub>	a <sub>2 max</sub>	b	mm	mm	mm	c	d	e	max. t	mm
1305549	<b>1.07/11</b>	90	70	140	100	M 14x1,5 x 140	17	22	15	3.0	3.0	1.2	
1306022	<b>1.07/1A1</b>	130	80	180	100	M 14x1,5 x 140	17	22	15	3.0	3.0	1.4	
1306154	<b>1.07/21</b>	160	100	220	150	G 1/2 x 210	1.06/HSP1	22	30	24	3.5	5.0	3.5
1306278	<b>1.07/2A1</b>	200	100	260	150	G 1/2 x 210	1.06/HSP1	22	30	24	3.5	5.0	3.7
1554778	<b>1.07/31</b>	250	100	400	200	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	8.0

**1.07/B**

**UNIVERSAL PULLER 3-arm pattern, rigid legs with leg brake**

- ▣ Similar to universal puller no. 1.07/11 to 1.07/31, but with leg brake
- ▣ Prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button
- ▣ Upgradeable with hydraulic spindle



Code	No.	a <sub>1</sub>	a <sub>2 min</sub>	a <sub>2 max</sub>	b	mm	mm	mm	c	d	e	max. t	mm
1957945	<b>1.07/11-B</b>	90	70	140	100	M 14x1,5 x 140	17	22	15	3.0	3.0	1.2	
1957953	<b>1.07/1A1-B</b>	130	80	180	100	M 14x1,5 x 140	17	22	15	3.0	3.0	1.4	
1957961	<b>1.07/21-B</b>	160	100	220	150	G 1/2 x 210	1.06/HSP1	22	30	24	3.5	5.0	3.5
1957988	<b>1.07/2A1-B</b>	200	100	260	150	G 1/2 x 210	1.06/HSP1	22	30	24	3.5	5.0	3.7
1957996	<b>1.07/31-B</b>	250	100	400	200	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	8.0

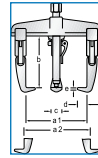




**1.07/E**

**QUICK-ACTION PULLER 3-arm pattern**

- Safe and quick removal of pulleys, wheels, ball bearings, etc.
- Reversible legs for internal or external pulling
- Upgradeable with hydraulic spindle



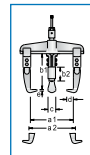
Code	No.	a <sub>1</sub>	a <sub>2 min</sub>	a <sub>2 max</sub>	b	←→	←→	● mm	c	d	e	max. t	↕
1222902	<b>1.07/1-E</b>	90	70	140	100	M 14x1,5 x 140		17	22	12	3.0	3.0	1.4
1225901	<b>1.07/1A-E</b>	130	80	180	100	M 14x1,5 x 140		17	22	12	3.0	3.0	1.6
1227335	<b>1.07/2-E</b>	160	100	220	150	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	3.9
1227459	<b>1.07/2A-E</b>	200	100	260	150	G 1/2 x 210	1.06/HSP1	22	30	18	3.5	5.0	4.0
1554751	<b>1.07/3-E</b>	250	100	400	200	G 3/4 x 280	1.06/HSP2	27	36	28	6.5	7.5	9.2



**1.07/HSP**

**UNIVERSAL PULLER hydraulic, 3-arm pattern**

- Reversible legs for internal or external pulling

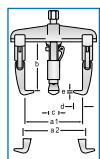


Code	No.	a <sub>1</sub>	a <sub>2</sub>	b	←→	c	d	e	max. t	max. N-m	↕
8009960	<b>1.07/2-HSP1</b>	160	220	75	1.06/HSP1	30	18	3.5	5.0	10	4.6
8010970	<b>1.07/2A-HSP1</b>	200	260	75	1.06/HSP1	30	18	3.5	5.0	10	4.7
1554816	<b>1.07/3-HSP2</b>	250	310	80	1.06/HSP2	36	28	6.5	7.5	14	9.6
8012400	<b>1.07/4-HSP3</b>	450	530	140	1.06/HSP3	36	28	6.5	10.0	28	19.4
1962574	<b>1.07/4A-HSP3</b>	580	640	140	1.06/HSP3	36	28	6.5	10.0	28	22.4

**1.07/HSP-E**

**QUICK-ACTION PULLER hydraulic, 3-arm pattern**

- With quick-release pulling legs

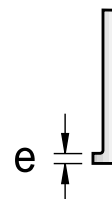
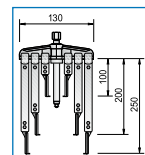


Code	No.	a <sub>1</sub>	a <sub>2</sub>	b	←→	c	d	e	max. t	max. N-m	↕
1221922	<b>1.07/2-E-HSP1</b>	160	220	75	1.06/HSP1	30	18	3.5	5.0	10	4.5
1222554	<b>1.07/2A-E-HSP1</b>	200	260	75	1.06/HSP1	30	18	3.5	5.0	10	4.8
1554824	<b>1.07/3-E-HSP2</b>	250	310	80	1.06/HSP2	36	28	6.5	7.5	14	9.3

**1.07/AS**

**PULLER SET with 9 legs**

- 3-arm puller, with 9 slim legs in 3 lengths
- Particularly suitable for barely-accessible places



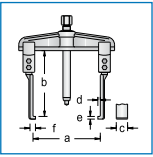
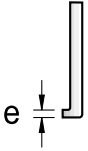
Code	No.	↕	↕	e	↕
8117260	<b>1.07/AS</b>	130	100 / 200 / 250	3.7	4.8
1675990	<b>1.07/AS-2</b>	200	150 / 220 / 300	5.0	11.5



**1.07/K**

**PULLER SET with 9 legs, in plastic case**

- Plastic case containing: spindle, 1 cross-beam each 2- and 3-arm pattern and 9 slim pulling legs in 3 lengths

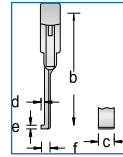
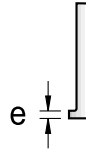


Code	No.	a	b	mm	c	d	e	max. t		
8117340	<b>1.07/K</b>	130	100 / 200 / 250	M 14x1,5 x 140	17	27	7.5	3.7	2.5	5.8
1676008	<b>1.07/K-2</b>	200	150 / 220 / 300	G 1/2 x 210	22	40	7.0	5.0	5.0	13.5

**1.07/K-SE S**

**PULLER SET with 6 legs**

- In plastic case
- Contents: 1 cross-beam each 2- and 3-arm pattern, 1 spindle, and 6 slim quick-release pulling legs in 2 lengths
- Clamping reach 100 mm = thickness of hooked foot at tip (e) 3.7 mm
- Clamping reach 200 mm = thickness of hooked foot at tip (e) 2.0 mm

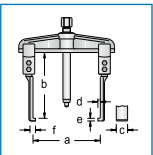
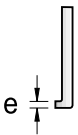


Code	No.	a	b	mm	c	d		
1745158	<b>1.07/K-1-SE 200 S</b>	90	100 / 200	M 14x1,5 x 140	17	27	7.5	4.2

**1.07/K-SE**

**PULLER SET with 3 legs, in plastic case**

- Plastic case containing: spindle, 1 cross-beam each 2- and 3-arm pattern and 3 quick-release pulling legs



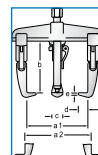
Code	No.	a	b	mm	c	d	e		
1438484	<b>1.07/K-1-SE</b>	90	100	M 14x1,5 x 140	17	27	7.5	3.7	2.2
1645455	<b>1.07/K-2-SE</b>	160	150	G 1/2 x 210	22	40	7.0	5.0	5.5



**1.07/K-HSP**

**PULLER SET with 3 legs**

- In plastic case
- Contents: hydraulic spindle, 1 cross-beam each 2- and 3-arm pattern and 3 quick-release pulling legs



Code	No.	a <sub>1</sub>	a <sub>2</sub>	b	mm	c	d	e	max. t	N-m		
1438492	<b>1.07/K-2-E-HSP1</b>	160	220	75	1.06/HSP1	32	30	18	3.5	5.0	10	7.3

**61**

**1500 ES-1.07 Tool module with tool assortment**





**1.07/V**

**EXTENSION FOR PULLERS set of 3 pieces**

- ▶ Rigid pattern drop forged
- ▶ Clamping reach to be extended indefinitely
- ▶ Can be used together with all legs of the 1.07 range



Code	No.	for hooks	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>
1307576	<b>1.07/V100</b>	1.07/A 1.07/100	100		0.5
1307584	<b>1.07/V150</b>	1.07/B 1.07/150	150		1.6
1307592	<b>1.07/V200</b>	1.07/C 1.07/200	200		3.8

**1.07/A-C**

**PULLING LEGS set of 3 pieces**

- ▶ In standard lengths



Code	No.	l <sub>1</sub>	b	c	d	e	f
1307401	<b>1.07/A</b>	1.07/1 1.07/1A	100	22	12	3.0	0.8
1307428	<b>1.07/B</b>	1.07/2 1.07/2A	150	30	18	3.5	2.2
1307436	<b>1.07/C</b>	1.07/3 1.07/4	200	36	28	6.5	5.0

**1.07/AV-EV**

**PULLING LEGS set of 3 pieces, long pattern**

- ▶ In special lengths



Code	No.	l <sub>1</sub>	b	c	d	e	f
1307487	<b>1.07/AV</b>	1.07/1 1.07/1A	200	22	12	3.0	1.5
1307495	<b>1.07/BV</b>	1.07/2 1.07/2A	300	30	18	3.5	3.9
1307509	<b>1.07/CV</b>	1.07/3 1.07/4	300	36	28	6.5	7.2
1307517	<b>1.07/DV</b>	1.07/3 1.07/4	400	36	28	6.5	8.8
1307525	<b>1.07/EV</b>	1.07/3 1.07/4	500	36	28	6.5	11.4

**1.07/E**

**QUICK-RELEASE PULLING LEGS set of 3 pieces**

- ▶ Quick and uncomplicated setting-up and readjustment



Code	No.	l <sub>1</sub>	b	c	d	e	f
1307452	<b>1.07/A-E</b>	1.07/1-E 1.07/1A-E	100	22	12	3.0	0.9
1307460	<b>1.07/B-E</b>	1.07/2-E 1.07/2A-E	150	30	18	3.5	2.3
1307479	<b>1.07/C-E</b>	1.07/3-E	200	36	28	6.5	4.6

**1.07**

**PULLING LEGS set of 3 pieces, rigid pattern**

- ▶ Forged from one piece



Code	No.	l <sub>1</sub>	b	c	d	e	f
1307533	<b>1.07/100</b>	1.07/11 1.07/1A1	100	22	15	3.0	0.7
1307541	<b>1.07/150</b>	1.07/21 1.07/2A1	150	30	24	3.5	1.8
1307568	<b>1.07/200</b>	1.07/31 1.07/4	200	36	32	5.0	4.0

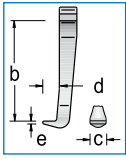




**1.07/B**

**PULLING LEGS set of 3 pieces, rigid pattern with leg brake**

- Forged from one piece
- Prevents unintentional leg slipping. The leg can be slid along the cross-beam at the push of a button



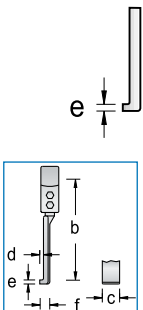
Code	No.	1.07/11 1.07/11-B	b	c	d	e	1.07/1A1 1.07/1A1-B
1956442	<b>1.07/100-B</b>	1.07/11 1.07/11-B	100	22	15	3.0	0.7
1956450	<b>1.07/150-B</b>	1.07/21 1.07/21-B	150	30	24	3.5	1.8
1956469	<b>1.07/200-B</b>	1.07/31 1.07/31-B	200	36	32	5.0	4.0



**1.07/S**

**PULLING LEGS set of 3 pieces, slim pattern**

- The forged leg feet are very shallow
- Particularly suitable for barely-accessible places

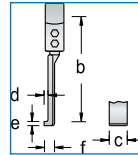
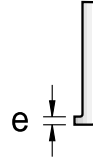


Code	No.	1.07/S1 1.07/S1A	b	c	d	e	f	1.07/S2 1.07/S2A
1307606	<b>1.07/S100</b>	1.07/S1 1.07/S1A	100	27	7.5	3.7	14.5	0.8
1307622	<b>1.07/S200</b>	1.07/S1 1.07/S1A	200	27	7.5	3.7	14.5	1.5
1307630	<b>1.07/S250</b>	1.07/S1 1.07/S1A	250	27	7.5	3.7	14.5	2.0
1554786	<b>1.07/S100S</b>	1.07/S1 1.07/S1A	100	27	7.5	2.0	14.5	0.7
1554794	<b>1.07/S200S</b>	1.07/S1 1.07/S1A	200	27	7.5	2.0	14.5	1.3
1554808	<b>1.07/S250S</b>	1.07/S1 1.07/S1A	250	27	7.5	2.0	14.5	1.5
1307649	<b>1.07/S150</b>	1.07/S2 1.07/S2A	150	40	7.0	5.0	15.5	2.0
1307657	<b>1.07/S220</b>	1.07/S2 1.07/S2A	220	40	7.0	5.0	15.5	2.7
1307665	<b>1.07/S300</b>	1.07/S2 1.07/S2A	300	40	7.0	5.0	15.5	3.3

**1.07/S-E**

**QUICK-RELEASE PULLING LEGS set of 3 pieces, slim pattern**

- The forged leg feet are very shallow
- Particularly suitable for barely-accessible places

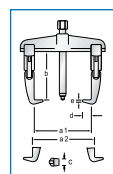


Code	No.	1.07/S1 1.07/S1A	b	c	d	e	f	1.07/S2 1.07/S2A
2016095	<b>1.07/S100-E</b>	1.07/S1 1.07/S1A	100	27	7.5	3.7	14.5	0.8
2016109	<b>1.07/S200-E</b>	1.07/S1 1.07/S1A	200	27	7.5	3.7	14.5	1.5
2016117	<b>1.07/S250-E</b>	1.07/S1 1.07/S1A	250	27	7.5	3.7	14.5	2.0
2016125	<b>1.07/S100S-E</b>	1.07/S1 1.07/S1A	100	27	7.5	2.0	14.5	0.7
2016133	<b>1.07/S200S-E</b>	1.07/S1 1.07/S1A	200	27	7.5	2.0	14.5	1.3
2016141	<b>1.07/S250S-E</b>	1.07/S1 1.07/S1A	250	27	7.5	2.0	14.5	1.5
2016168	<b>1.07/S150-E</b>	1.07/S2 1.07/S2A	150	40	7.0	5.0	15.5	2.0
2016176	<b>1.07/S220-E</b>	1.07/S2 1.07/S2A	220	40	7.0	5.0	15.5	2.7
2016184	<b>1.07/S300-E</b>	1.07/S2 1.07/S2A	300	40	7.0	5.0	15.5	3.3

**1.08**

**UNIVERSAL PULLER 2-arm pattern, with fast spindle adjustment**

- Spindle immediately adjusts when grip bar applied. Much quicker to use as there is no time spent adjusting the spindle or the legs



Code	No.	a <sub>1</sub>	a <sub>2</sub> min	a <sub>2</sub> max	b	mm	c	d	e max	t		
8019090	<b>1.08/1A</b>	130	80	180	100	M 14x1,5 x 140	17	22	12	3.0	3.0	1.5
8000070	<b>1.08/2A</b>	200	110	260	150	G 1/2 x 210	22	30	18	3.5	5.0	4.1
8018950	<b>1.08/3A</b>	350	130	420	200	G 3/4 x 280	27	36	28	6.5	7.5	10.2



# 1.09 PULLER TWIST & PULL

Easy, quick and safe

## Working principle



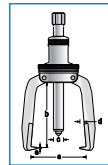
**Advantages**  
 No set-up or readjusting of the legs  
 Maintenance free due to the encapsulated mechanics



## 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 setting-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

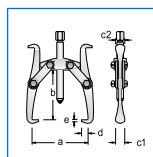


Code	No.	a <sub>min</sub>	a <sub>max</sub>	b	⌀	● mm	c	d	e	max. t	↕
1748173	<b>1.09/1</b>	30	150	130	G 1/2 x 250	22	17	12	3.0	6.5	2.5
1748181	<b>1.09/2</b>	80	250	250	G 1/2 x 350	22	24	12	3.0	6.5	4.2

## 1.10

### PULLER 2-arm pattern

- ✔ Double ended with wide or narrow grips
- ✔ Automatic gripping
- ✔ 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



1.10/1

1.10/2-5

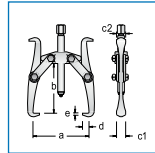
Code	No.	a <sub>max</sub>	b	⌀	● mm	c <sub>1</sub>	c <sub>2</sub>	d	e	max. t	↕
8002600	<b>1.10/1</b>	90	80	M 14x1,5 x 125	17	17	10	7	2	2.0	0.7
8002790	<b>1.10/2</b>	160	130	M 18x1,5 x 170	19	24	20	13	3	5.0	2.0
1731874	<b>1.10/3</b>	220	170	M 18x1,5 x 170	19	24	20	13	3	5.0	2.3
1731882	<b>1.10/4</b>	320	260	G 1/2 x 350	22	27	32	27	3	8.0	5.1
1731890	<b>1.10/5</b>	400	320	G 1/2 x 350	22	27	32	27	3	8.0	5.8



**1.11**

**PULLER 3-arm pattern**

- Double ended with wide or narrow grips
- Automatic gripping
- 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



1.11/1

1.11/2-5

Code	No.	a <sub>max</sub>	b	⌀	mm	c <sub>1</sub>	c <sub>2</sub>	d	e	max. t	↺↻
8002950	<b>1.11/1</b>	90	80	M 14x1,5 x 125	17	17	10	7	2	3.0	0.9
8003090	<b>1.11/2</b>	160	130	M 18x1,5 x 170	19	24	20	13	3	7.5	2.6
1731904	<b>1.11/3</b>	220	170	M 18x1,5 x 170	19	24	20	13	3	7.5	3.2
1731912	<b>1.11/4</b>	320	260	G 1/2 x 350	22	27	32	27	3	12.0	2.6
1731920	<b>1.11/5</b>	400	320	G 1/2 x 350	22	27	32	27	3	12.0	2.6

**1.10 + 1.11**

**PULLING LEGS set of 2 / 3 pieces**

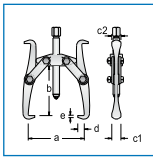
- Double ended with wide or narrow grips
- Complete with clips and screws
- No. 1.10 = 2 pieces
- No. 1.11 = 3 pieces



1.10/1 + 1.11/1



1.10/2-5 + 1.11/2-5



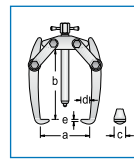
Code	No.	↺↻	b	c <sub>1</sub>	c <sub>2</sub>	d	e	↺↻
1962566	<b>1.10/1-080</b>	1.10/1	80	17	10	7	2	0.3
1962582	<b>1.10/2-130</b>	1.10/2	130	24	20	13	3	1.1
1962590	<b>1.10/3-170</b>	1.10/3	170	24	20	13	3	1.6
1962604	<b>1.10/4-260</b>	1.10/4	260	27	32	27	3	3.3
1962612	<b>1.10/5-320</b>	1.10/5	320	27	32	27	3	3.6

Code	No.	↺↻	c <sub>2</sub>	d	e	↺↻
1962620	<b>1.11/1-080</b>	1.11/1	10	7	2	0.5
1962639	<b>1.11/2-130</b>	1.11/2	20	13	3	1.7
1962647	<b>1.11/3-170</b>	1.11/3	20	13	3	2.3
1962655	<b>1.11/4-260</b>	1.11/4	32	27	3	5.0
1962663	<b>1.11/5-320</b>	1.11/5	32	27	3	5.5

**1.12**

**BATTERY-TERMINAL PULLER 2-arm pattern**

- Ideal for removing small parts such as battery terminals, pulleys, wheels, ball bearings, etc.
- Automatic gripping



Code	No.	a <sub>max</sub>	b	⌀	c	d	e	max. t	↺↻
8003840	<b>1.12/02</b>	60	40	M 10x1,5 x 60	10	5	2	0.5	160
8003760	<b>1.12/01</b>	60	60	M 10x1,5 x 80	10	5	2	0.5	180
1628402	<b>1.12/00</b>	70	80	M 10x1,5 x 100	14	8	2	0.5	300



Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)

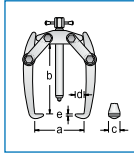




**1.13**

**BATTERY-TERMINAL PULLER 3-arm pattern**

- Ideal for removing small parts such as battery terminals, pulleys, wheels, ball bearings, etc.
- Automatic gripping

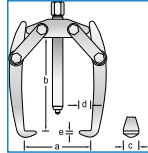


Code	No.	a <sub>max</sub>	b	mm	c	d	e	max. t	mm
8004650	<b>1.13/02</b>	60	40	M 10x1,5 x 60	10	5	2	0.75	0.2
8004570	<b>1.13/01</b>	60	60	M 10x1,5 x 80	10	5	2	0.75	0.2
1628410	<b>1.13/00</b>	70	80	M 10x1,5 x 100	14	8	2	1.0	0.4

**1.13**

**PULLER 3-arm pattern**

- Ideal for removing pulleys, wheels, ball bearings, etc.
- Inexpensive economy model
- Automatic gripping



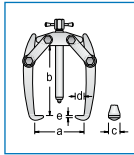
Code	No.	a <sub>max</sub>	b	mm	c	d	e	max. t	mm
8004140	<b>1.13/0</b>	70	80	M 12x1,5 x 110	14	14	8	2.0	0.5
8004220	<b>1.13/1</b>	90	120	M 14x1,5 x 155	17	18	11	2	1.5
8004300	<b>1.13/2</b>	130	160	M 18x1,5 x 200	19	25	14	3	2.5
8004490	<b>1.13/3</b>	180	200	G 1/2 x 250	22	32	20	4	5.3



**1.12 + 1.13**

**PULLING LEGS set of 2 / 3 pieces, for battery-terminal puller**

- Complete with clips and screws
- No. 1.12 = 2 pieces
- No. 1.13 = 3 pieces



Code	No.	mm	b	c	d	e	mm
1962671	<b>1.12/02-040</b>	1.12/02	40	10	5	2	0.1
1962698	<b>1.12/01-060</b>	1.12/01	60	10	5	2	0.1
1962701	<b>1.12/00-080</b>	1.12/00	80	14	8	2	0.2

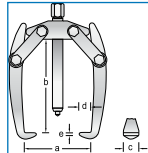
  

Code	No.	mm	b	c	d	e	mm
1962728	<b>1.13/02-040</b>	1.13/02	40	10	5	2	0.1
1962736	<b>1.13/01-060</b>	1.13/01	60	10	5	2	0.2
1962744	<b>1.13/00-080</b>	1.13/00	80	14	8	2	0.2

**1.12 + 1.13**

**PULLING LEGS set of 2 / 3 pieces**

- Complete with clips and screws
- No. 1.12 = 2 pieces
- No. 1.13 = 3 pieces



Code	No.	mm	b	c	d	e	mm
1962752	<b>1.12/0-080</b>	1.12/0	80	14	8	2	0.2
1962760	<b>1.12/1-120</b>	1.12/1	120	18	11	2	0.4
1962779	<b>1.12/2-160</b>	1.12/2	160	25	14	3	1.1
1962787	<b>1.12/3-200</b>	1.12/3	200	32	20	4	2.1

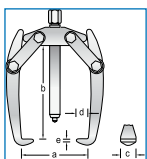
  

Code	No.	mm	b	c	d	e	mm
1962795	<b>1.13/0-080</b>	1.13/0	80	14	8	2	0.3
1962809	<b>1.13/1-120</b>	1.13/1	120	18	11	2	0.6
1962817	<b>1.13/2-160</b>	1.13/2	160	25	14	3	1.7
1962825	<b>1.13/3-200</b>	1.13/3	200	32	20	4	3.2

**1.12**

**PULLER 2-arm pattern**

- Ideal for removing pulleys, wheels, ball bearings, etc.
- Inexpensive economy model
- Automatic gripping



Code	No.	a <sub>max</sub>	b	mm	c	d	e	max. t	mm
8003250	<b>1.12/0</b>	70	80	M 12x1,5 x 110	14	14	8	1.0	0.4
8003330	<b>1.12/1</b>	90	120	M 14x1,5 x 155	17	18	11	2.0	0.8
8003410	<b>1.12/2</b>	130	160	M 18x1,5 x 200	19	25	14	3	1.9
8003680	<b>1.12/3</b>	180	200	G 1/2 x 250	22	32	20	4	3.7

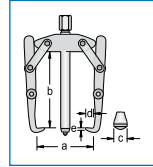




**1.14**

**PULLER 2-arm pattern**

- ✔ Clamping reach is variable for maximum flexibility
- ✔ The legs grip automatically
- ✔ Upgradeable with hydraulic spindle



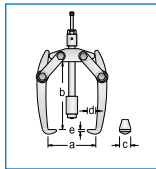
Code	No.	a <sub>max</sub>	b	⌀	⌀	● mm	c	d	e	max. t	⚙️
8004810	<b>1.14/0</b>	90	100	M 12x1,5 x 110		14	14	9	2.0	1.0	0.4
8005030	<b>1.14/1</b>	130	140	M 14x1,5 x 140		17	18	11	2.0	2.0	0.9
8005380	<b>1.14/2</b>	200	210	M 18x1,5 x 200		19	25	16	3.0	5.0	2.2
8005460	<b>1.14/3</b>	250	260	G 1/2 x 250	1.06/HSP1	24	32	18	3.5	8.0	4.4
8005540	<b>1.14/4</b>	280	390	G 1/2 x 250	1.06/HSP1	24	32	20	3.5	8.0	5.1
8005620	<b>1.14/5</b>	420	480	G 1/2 x 350	1.06/HSP1	24	32	20	3.5	8.0	6.0



**1.14/HSP**

**PULLER hydraulic, 2-arm pattern**

- ✔ Clamping reach is variable for maximum flexibility
- ✔ The legs grip automatically

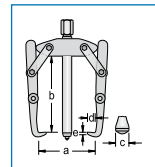


Code	No.	a <sub>max</sub>	b	⌀	● mm	c	d	e	max. t	max. N-m	⚙️
1392883	<b>1.14/3-HSP1</b>	250	180	1.06/HSP1	32	32	18	3.5	8.0	15	5.0
1392913	<b>1.14/4-HSP1</b>	280	310	1.06/HSP1	32	32	20	3.5	8.0	15	5.8

**1.14/L**

**FAN PULLER 2-arm pattern**

- ✔ Especially slender legs will each adjust to 3 clamping positions

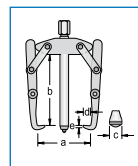


Code	No.	a <sub>max</sub>	b	⌀	● mm	c	d	e	max. t	⚙️
8005110	<b>1.14/L</b>	150	200	M 14x1,5 x 155	17	10	6	2	2.0	0.9

**1.15**

**PULLER 3-arm pattern**

- ✔ Clamping reach is variable for maximum flexibility
- ✔ The legs grip automatically
- ✔ Upgradeable with hydraulic spindle



Code	No.	a <sub>max</sub>	b	⌀	⌀	● mm	c	d	e	max. t	⚙️
8006000	<b>1.15/0</b>	90	100	M 12x1,5 x 110		14	14	9	2.0	2.0	0.5
8006190	<b>1.15/1</b>	130	140	M 14x1,5 x 140		17	18	11	2.0	3.0	1.2
8006350	<b>1.15/2</b>	200	210	M 18x1,5 x 200		19	25	16	3.0	7.5	3.3
8006430	<b>1.15/3</b>	250	260	G 1/2 x 250	1.06/HSP1	24	32	18	3.5	12.0	6.3
8006510	<b>1.15/4</b>	280	390	G 1/2 x 250	1.06/HSP1	24	32	20	3.5	12.0	7.7
8006780	<b>1.15/5</b>	420	480	G 1/2 x 350	1.06/HSP1	24	32	20	3.5	12.0	8.9

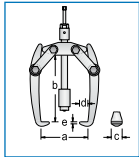




**1.15/HSP**

**PULLER hydraulic, 3-arm pattern**

- ▶ Clamping reach is variable for maximum flexibility
- ▶ The legs grip automatically



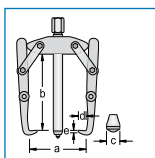
Code	No.	a <sub>mm</sub>	b	mm	c	d	e	max.t	N-m	mm	
1392956	<b>1.15/3-HSP1</b>	250	180	1.06/HSP1	32	32	18	3.5	12.0	24	6.6
1392980	<b>1.15/4-HSP1</b>	280	310	1.06/HSP1	32	32	20	3.5	12.0	24	8.1



**1.15/L**

**FAN PULLER 3-arm pattern**

- ▶ Especially slender legs will each adjust to 3 clamping positions

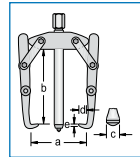


Code	No.	a <sub>mm</sub>	b	mm	c	d	e	max.t	N-m	mm
8006270	<b>1.15/1L</b>	150	200	M 14x1,5 x 155	17	10	6	2	3.0	1.3

**1.14 + 1.15**

**PULLING LEGS set of 2 / 3 pieces**

- ▶ With variable clamping reach
- ▶ Complete with clips and screws
- ▶ No. 1.14 = 2 pieces
- ▶ No. 1.15 = 3 pieces



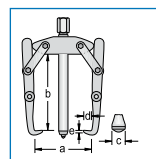
Code	No.	mm	b	c	d	e	N-m
1962833	<b>1.14/0-100</b>	1.14/0	100	14	9	2.0	0.2
1962841	<b>1.14/1-140</b>	1.14/1	140	18	11	2.0	0.5
1962868	<b>1.14/2-210</b>	1.14/2	210	25	16	3.0	1.3
1962876	<b>1.14/3-260</b>	1.14/3 1.14/3-HSP1	260	32	18	3.5	2.8
1962884	<b>1.14/4-390</b>	1.14/4 1.14/4-HSP1	390	32	20	3.5	3.5
1962892	<b>1.14/5-480</b>	1.14/5	480	32	20	3.5	4.3

Code	No.	mm	b	c	d	e	N-m
1962906	<b>1.15/0-100</b>	1.15/0	100	14	9	2.0	0.3
1962914	<b>1.15/1-140</b>	1.15/1	140	18	11	2.0	0.7
1962922	<b>1.15/2-210</b>	1.15/2	210	25	16	3.0	2.0
1962930	<b>1.15/3-260</b>	1.15/3 1.15/3-HSP1	260	32	18	3.5	4.1
1962949	<b>1.15/4-390</b>	1.15/4 1.15/4-HSP1	390	32	20	3.5	5.3
1962957	<b>1.15/5-480</b>	1.15/5	480	32	20	3.5	6.4

**1.14/L + 1.15/L**

**PULLING LEGS set of 2 / 3 pieces**

- ▶ With variable clamping reach
- ▶ Complete with clips and screws
- ▶ No. 1.14/L = 2 pieces
- ▶ No. 1.15/L = 3 pieces



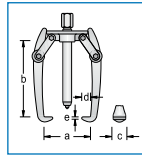
Code	No.	mm	b	c	d	e	N-m
1962965	<b>1.14/1-200-L</b>	1.14/1L	200	10	6	2	0.6




Code	No.	mm	b	c	d	e	N-m
1962973	<b>1.15/1-200-L</b>	1.15/1L	200	10	6	2.0	0.9

**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

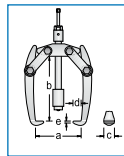





Code	No.	a <sub>max</sub>	b			● mm	c	d	e	max. t	
8007080	<b>1.16/1</b>	300	300	G 1 x 360	1.06/HSP3	36	32	19	3.0	8.0	8.4
8007160	<b>1.16/2</b>	450	420	G 1 x 500	1.06/HSP3	36	32	22	3.0	8.0	10.0

**1.16/HSP**

**PULLER hydraulic, 2-arm pattern**

- ✔ Very strong
- ✔ Made for industrial applications and for use on heavy agricultural and construction machines
- ✔ The legs grip automatically

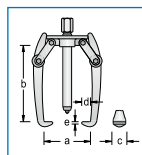





Code	No.	a <sub>max</sub>	b			● mm	c	d	e	max. t	max. Nm	
8012590	<b>1.16/1-HSP3</b>	300	190	1.06/HSP3		41	32	19	3.0	8.0	24	8.7
8012670	<b>1.16/2-HSP3</b>	450	310	1.06/HSP3		41	32	22	3.0	8.0	24	10.2

**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



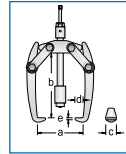
Code	No.	a <sub>max</sub>	b			● mm	c	d	e	max. t	
8007320	<b>1.17/1</b>	300	300	G 1 x 360	1.06/HSP3	36	32	19	3.0	12.0	10.5
8007400	<b>1.17/2</b>	450	420	G 1 x 500	1.06/HSP3	36	32	22	3.0	12.0	12.7



**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



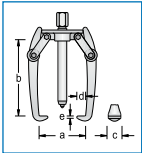
Code	No.	a <sub>max</sub>	b	←→	● mm	c	d	e	max. t	max. N·m	↺↻
8014290	<b>1.17/1-HSP3</b>	300	190	1.06/HSP3	41	32	19	3.0	12.0	34	11.4
8014370	<b>1.17/2-HSP3</b>	450	310	1.06/HSP3	41	32	22	3.0	12.0	34	12.7



**1.16 + 1.17**

**PULLING LEGS set of 2 / 3 pieces**

- ▶ Very strong
- ▶ Complete with clips and screws
- ▶ No. 1.16 = 2 pieces
- ▶ No. 1.17 = 3 pieces



Code	No.	↺↻	b	c	d	e	↺↻
1962981	<b>1.16/1-300</b>	1.16/1	300	32	19	3	3.5
		1.16/1-HSP3					
1963007	<b>1.16/2-420</b>	1.16/2	300	32	22	3	4.4
		1.16/2-HSP3					

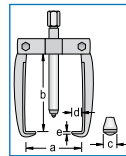
  

Code	No.	↺↻	b	c	d	e	↺↻
1963015	<b>1.17/1-300</b>	1.17/1	300	32	19	3	5.3
		1.17/1-HSP3					
1963023	<b>1.17/2-420</b>	1.17/2	420	32	22	3	6.6
		1.17/2-HSP3					

**1.18**

**FAN PULLER ECO 2-arm pattern**

- ▶ Removes bearings swiftly and cleanly

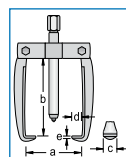


Code	No.	a <sub>max</sub>	b	←→	c	d	e	max. t	↺↻
1656996	<b>1.18/02</b>	65	50	M 10 x 115	12	10	3.0	1.0	0.2
1657089	<b>1.18/01</b>	70	70	M 10 x 115	12	10	3.0	1.0	0.2
1656937	<b>1.18/0</b>	80	80	M 10 x 115	12	10	3.0	1.0	0.2

**1.18**

**PULLER ECO 2-arm pattern**

- ▶ For easy removal of bearings



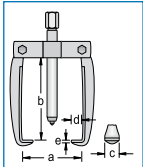
Code	No.	a <sub>max</sub>	b	←→	c	d	e	max. t	↺↻
1464965	<b>1.18/1</b>	110	110	M 14x1,5 x 163	17	18	5.0	2.0	1.1
1464973	<b>1.18/2</b>	160	140	M 18x1,5 x 215	21	20	6.5	3.0	2.1
1464981	<b>1.18/3</b>	200	200	G 1/2 x 282	22	22	7.5	5.0	3.4





**1.19**

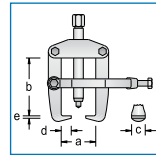
**FAN PULLER ECO 3-arm pattern**  
 ▽ Removes bearings swiftly and cleanly



Code	No.	a <sub>max</sub>	b	mm	c	d	e	max.t	mm
1657054	<b>1.19/02</b>	65	50	M 10 x 115	12	10	3.0	1.0	0.3
1657046	<b>1.19/01</b>	70	70	M 10 x 115	12	10	3.0	1.0	0.3
1657011	<b>1.19/0</b>	80	80	M 10 x 115	12	10	3.0	1.0	0.3

**1.20**

**PULLER with clamping yoke**  
 ▽ The clamping yoke applies firm pressure behind the part to be moved and keeps the puller firmly in the correct position



Code	No.	a <sub>max</sub>	b	mm	c	d	e	max.t	mm
8008050	<b>1.20/1</b>	90	85	M 18x1,5 x 130	19	22	12	3.0	5.0 1.6
8008130	<b>1.20/2</b>	90	100	M 18x1,5 x 130	19	24	15	3.0	5.0 1.7
8008210	<b>1.20/3</b>	150	140	G 1/2 x 175	22	30	18	3.5	7.5 3.4



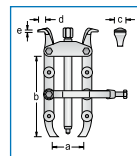
Detailed information on products, promotions and trade fairs

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**1.22**

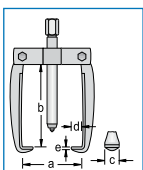
**PULLER with clamping yoke**  
 ▽ Double-ended hooks  
 ▽ Particularly suitable for separating and removing flush-seated parts  
 ▽ Especially economical as it covers a range of different sizes



Code	No.	a <sub>max</sub>	b	mm	c	d	e	max.t	mm
8009020	<b>1.22/1</b>	110	170	M 18x1,5 x 200	19	25	14	3.5	5.0 2.2
8009100	<b>1.22/2</b>	160	260	G 1/2 x 350	22	25	14	3.5	7.5 4.4
8009290	<b>1.22/3</b>	160	325	G 1/2 x 350	22	25	14	3.5	7.5 4.6

**1.19**

**PULLER ECO 3-arm pattern**  
 ▽ For easy removal of bearings



Code	No.	a <sub>max</sub>	b	mm	c	d	e	max.t	mm
1465007	<b>1.19/1</b>	110	110	M 14x1,5 x 163	17	18	5.0	2.0	1.4
1465015	<b>1.19/2</b>	160	140	M 18x1,5 x 215	21	20	6.5	3.0	2.7
1465023	<b>1.19/3</b>	200	200	G 1/2 x 282	22	22	7.5	5.0	4.5

The ECO perforated wall panel is listed on page 245

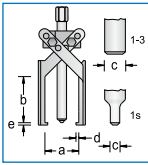




**1.23**

**PULLER with slim legs**

- For removing bearings in confined spaces
- The legs grip automatically
- No. 1.23/S: particularly slim legs



Code	No.	a <sub>max</sub>	b	mm	c	d	e	max. t	mm	
8084580	<b>1.23/1S</b>	80	85	M 10 x 105	12	11	4	2.5	1.5	0.4
8084310	<b>1.23/1</b>	80	85	M 10 x 105	12	23	4	2.5	2.0	0.4
8084660	<b>1.23/2</b>	120	120	M 14x1,5 x 130	17	31	5	3.5	3.5	0.8
8084740	<b>1.23/3</b>	120	150	M 14x1,5 x 205	17	31	5	3.5	3.5	1.1

**HYDRAULIC IMPLEMENTS**

**1.50**

**HYDRAULIC PUMP AND CYLINDER SET**

- Suitable for pressing, straightening, lifting, bending, and pulling



Code	No.	consisting of:	mm
8110410	<b>1.50/10</b>	Hydraulic hand pump 1.50/1 Hydraulic cylinder 1.51/10	14.0
8110680	<b>1.50/11</b>	Hydraulic hand pump 1.50/1 Hydraulic cylinder 1.51/11	15.1

**1.50/1**

**HYDRAULIC HAND PUMP**

- Supplied complete with 1.50 m high-pressure hose
- To fit hydraulic cylinder 1.51



Code	No.	for hydraulic cylinder	mm
8022710	<b>1.50/1</b>	1.51/10 1.51/11	8.3

**1.51**

**HYDRAULIC CYLINDER**



Code	No.	Stroke height	max. t	mm
8023440	<b>1.51/10</b>	140	10.0	5.0
8110760	<b>1.51/11</b>	200	10.0	6.0

The safety cover is listed on page 205

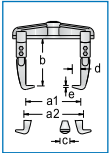




**1.06/H**

**PULLER for hydraulic implement 1.50**

- Robust pattern, designed for rigidity and heavy duty use
- Reversible legs permit use as an internal or external puller
- The reach may be increased both by using pulling legs in special lengths, and by using extensions

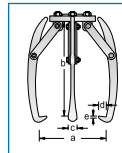


Code	No.	a <sub>1</sub>	a <sub>2 min</sub>	a <sub>2 max</sub>	b	c	d	e	max. t	↕
8112620	<b>1.06/40</b>	520	185	600	200	36	28	6.5	10.0	11.0
8113000	<b>1.06/50</b>	640	230	715	225	50	33	10.0	18.0	20.2

**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

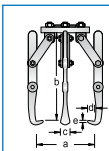


Code	No.	a <sub>max</sub>	b	c	d	e	max. t	↕
8007590	<b>1.17/10</b>	300	300	36	19	3.5	12.0	9.1
8109670	<b>1.17/20</b>	425	425	36	22	3.5	12.0	12.4

**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



Code	No.	a <sub>max</sub>	b	c	d	e	max. t	↕
8006860	<b>1.15/30</b>	250	260	32	18	3.5	12.0	9.0
8109590	<b>1.15/40</b>	280	390	32	20	3.5	12.0	9.2



**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



Code	No.	Stroke height	Installation height	max. t	↕
8024090	<b>1.55/1</b>	10	75	8.0	1.0
8024170	<b>1.55/2</b>	15	90	15.0	1.8





## BALL BEARING EXTRACTOR

### 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



Code	No.	mm	mm	kg
8011000	<b>1.29/1</b>	M 10 x 160	14	0.2
8011190	<b>1.29/2</b>	M 12 x 195	14	0.5
8011270	<b>1.29/3</b>	M 14 x 210	17	0.6
8011350	<b>1.29/4</b>	M 18 x 230	19	0.9
8011430	<b>1.29/5</b>	M 20 x 235	22	1.9

### 1.29

#### PULLING LEGS set of 4 pieces

- \* Used with support rings for pulling bearings



Code	No.	mm	for hub - for ball bearing No.	kg
8011510	<b>1.29/10</b>	145	1.29/1 - 6000 6001 6002	80
8011780	<b>1.29/15</b>	145	1.29/1 - 6003 6004 6005 6200 6201 6202	100
8011860	<b>1.29/20</b>	177	1.29/2 - 6006 6203	200
8011940	<b>1.29/25</b>	177	1.29/2 - 6007 6008 6009 6010 6204 6205 6300 6301 6302	200
8012080	<b>1.29/30</b>	185	1.29/2 - 6303 6304 1.29/3 - 6011 6012	300
8012160	<b>1.29/35</b>	187	1.29/3 - 6206 6207 6208 6305	400
8012240	<b>1.29/40</b>	235	1.29/4 - 6209 6210	600
8110250	<b>1.29/45</b>	236	1.29/4 - 6211 6212 6308* 6404 6405 1.29/5 - 6309* 6310* 6311* 6406*	800

Deviant packing units see article description.

### 1.29/K

#### BALL BEARING EXTRACTOR SET

- In sheet metal case, dimensions: 285 x 190 x 75 mm



Code	No.	Contents	kg
8110330	<b>1.29/1K</b>	3 hubs with spindle 1.29/1 - 1.29/3 6 sets legs 1.29/10 - 1.29/35 1 plug-in handle 1.29/0	5.1
8012320	<b>1.29/3K</b>	5 hubs with spindle 1.29/1 - 1.29/5 8 sets legs 1.29/10 - 1.29/45 1 plug-in handle 1.29/0 and 4 support rings	8.7

Bearing installation tools and safety cover are listed on page 205





# 1.92 EXTRACTOR

Better solutions through innovative and precise technology

## Fields of application



Suitable for more than 40 standard ball bearings up to 6311

## Working principle



1 The innovative design with its maximum level of functionality in connection with simple handling provides a PLUS in effectivity and productivity.

2 The top plate is easy to use. The legs are fixed in the slot.

3 The self-locking system guarantees 100% force transmission and the maximum safety during withdrawal.

### 1.92

#### BALL BEARING EXTRACTOR PLUS

- ✔ Due to its great degree of functionality combined with the simplified handling, this novel 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
- ✔ \* with supporting ring 6309
- ✔ \*\* with supporting ring 6310
- ✔ \*\*\* with supporting ring 6311



Code	No.	Bearing	Leg	Head size	Weight
1553534	<b>1.92/1</b>	6000	10	1-7	2.3
		6001	10	1-4	
		6002	10	1-3	
		6003	10	1-4	
		6004	30	1-3	
		6005	30	1-3	
		6006	30	1-3	
		6007	40	1-3	
		6008	40	1-3	
		6009	40	1-3	
		6010	40	1-3	
		6200	10	1-4	
		6201	20	1-7	
		6202	20	1-4	
		6203	30	1-4	
		6204	40	1-4	
		6205	40	1-3	
		6300	30	1-3	
		6301	40	1-3	
		6302	40	1-7	
		6303	40	1-7	
		6304	40	1-7	

Code	No.	Bearing	Leg	Head size	Weight
1553542	<b>1.92/2</b>	6011	50	2-3	5.2
		6012	50	2-3	
		6206	50	2-3	
		6207	50	2-3	
		6208	60	2-3	
		6209	60	2-3	
		6210	60	2-3	
		6211	60	2-3	
		6212	70	2-3	
		6305	60	2-7	
		6306	60	2-4	
		6307	60	2-4	
		6308	70	2-4	
		6309	70	2-4	
		6310**	70	2-4	
		6311***	70	2-4	
		6403	60	2-3	
		6404	70	2-3	
		6405	70	2-7	
		6406	70	2-7	
		6407*	60	2-7	
1553550	<b>1.92/12</b>	Contents of set 1.92/1 and 1.92/2			7.6

### 1.92

#### PARTS

- ✔ Pulling legs No. 1.92/10 to 1.92/70 = set of 4 pieces

Code	No.	Description
1583263	<b>1.92/10</b>	Leg size 10
1583271	<b>1.92/20</b>	Leg size 20
1583298	<b>1.92/30</b>	Leg size 30
1583301	<b>1.92/40</b>	Leg size 40
1583328	<b>1.92/50</b>	Leg size 50
1583336	<b>1.92/60</b>	Leg size 60
1583344	<b>1.92/70</b>	Leg size 70
1574485	<b>192/1-3</b>	Head small 3
1574493	<b>192/1-4</b>	Head small 4
1574507	<b>192/1-7</b>	Head small 3/7
1574515	<b>192/2-3</b>	Head big 3
1574523	<b>192/2-4</b>	Head big 4
1574531	<b>192/2-7</b>	Head big 3/7
1574566	<b>192/A-2</b>	Adaptor for head big
1576208	<b>1.1006170</b>	Spindle small for 1.92/1
1576224	<b>1.1406200</b>	Spindle big for 1.92/2





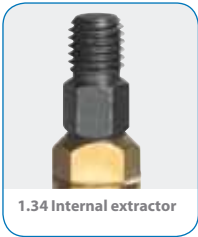
# 1.34 INTERNAL EXTRACTOR

 In a class of its own due to the precision manufacturing technology

## 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-stay

**1.34 Internal extractor****Higher spread range**

①

The simple handling method guarantees the fast and uncomplicated withdrawal of ball bearings.

②

Because of their titanium nitrided coating the surfaces have increased hardness and are provided with better protection.

③

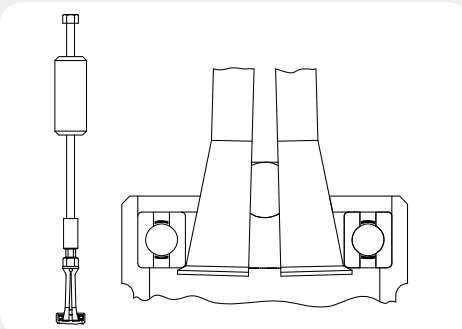
Force transmission is increased and improved by precise manufacturing accuracy.

④

The expansion ranges have been increased, thus fewer pullers are necessary for the same overall expansion range.



## FEATURES MATERIAL



### Advantages

#### Titanium nitrided surface

- Harder
- More wear-resistant
- Better surface protection
- More heat-resistant
- Fine design
- Fast compensation of temperature differences

### 1.34/1 - 1.34/4

#### INTERNAL EXTRACTOR

- For use with impact bearing puller no. 1.35/0 or support brace no. 1.36/1
- Multiple wrench size (11+ 13 mm)

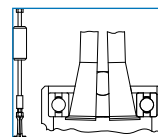


Code	No.	⌀ M	⌀ mm	⌀
1638556	<b>1.34/1</b>	M10	5,0-8,5	40
1638564	<b>1.34/2</b>	M10	8,0-15,0	60
1638572	<b>1.34/3</b>	M10	15,0-25,0	80
1638580	<b>1.34/4</b>	M10	25,0-36,0	100

### 1.34/10

#### INTERNAL EXTRACTOR SET 5 pieces

- For tightly-fitting ball bearings, bearing races, bushings and shaft seals
- 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 impact bearing puller is then added
- Contents in practical case:
  - 4 internal extractors 1.34/1 (5-8.5 mm), 1.34/2 (8-15 mm), 1.34/3 (15-24 mm), 1.34/4 (25-36 mm)
  - 1 impact bearing puller 1.35/0
  - Multiple wrench size (11+ 13 mm)
  - M10 connecting thread



Code	No.	⌀
1638629	<b>1.34/10</b>	1.3



**1.30/0-9**

**INTERNAL EXTRACTOR**

For extremely-tightly-packed ball bearings, bearing races, bushings, and shaft seals Simmering®

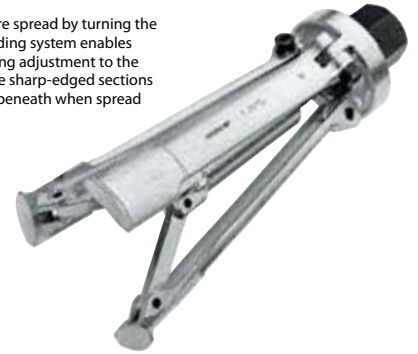


Code	No.	mm	mm	mm	mm	mm
8012750	<b>1.30/0</b>	M10	1.36/1	5-8	10	120
8012830	<b>1.30/1</b>	M10	1.36/1	8-12	10	120
8012910	<b>1.30/2</b>	M10	1.36/1	12-15	10	130
8013130	<b>1.30/3</b>	M10	1.36/1	15-19	14	170
8013480	<b>1.30/4</b>	M10	1.36/1	19-25	14	200
8013560	<b>1.30/4A</b>	M10	1.36/1	25-30	14	300
8013640	<b>1.30/5</b>	M10	1.36/1	30-35	14	400
8013720	<b>1.30/6</b>	M14x1,5	1.36/2	35-45	17	650
8013800	<b>1.30/7</b>	M14x1,5	1.36/2	45-55	17	800
8013990	<b>1.30/8</b>	M14x1,5	1.36/3	55-70	19	1800
8014020	<b>1.30/9</b>	M14x1,5	1.36/3	70-100	27	3050

**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



Code	No.	mm	mm	mm	mm
8014100	<b>1.30/10</b>	G 1/2"	60-160	36	2312

**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 shoulder of the shell jaw must be applied behind the bearing



Code	No.	mm	mm	mm	mm
8013050	<b>1.30/2N</b>	M10	12-14	10	170
8013210	<b>1.30/3N</b>	M10	14-19	14	170

Detailed information on products, promotions and trade fairs

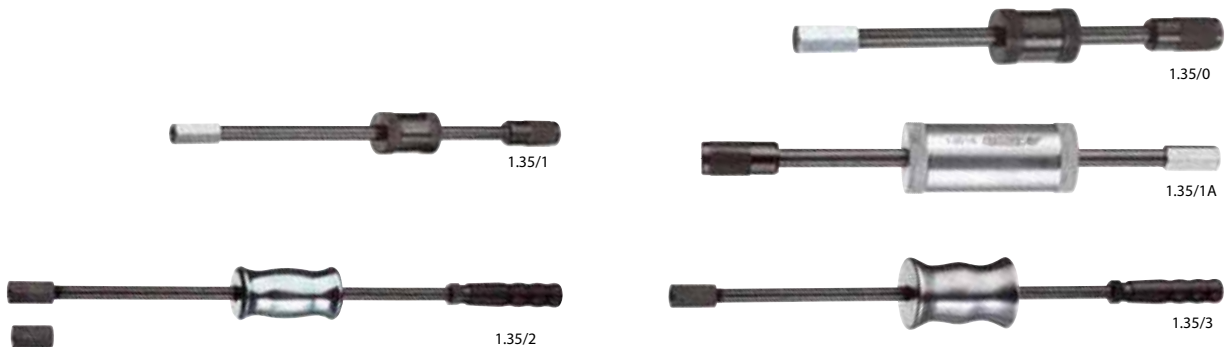
... [www.gedore.com](http://www.gedore.com)



**1.35**

**IMPACT BEARING PULLER**

Suited for the removal of small ball bearings since there is often not enough room for support braces



Code	No.	for internal extractors	mm	with adaptor	mm	mm	Impact weight in g	mm
1958062	<b>1.35/0</b>	1.34/1 - 1.34/4	M10	-	13	180	200	400
8016070	<b>1.35/1</b>	1.30/0 - 1.30/5 1.34/1 - 1.34/4	M10	-	13	230	200	450
1958070	<b>1.35/1A</b>	1.30/0 - 1.30/9	M10	M 14x1,5	13	230	700	950
8039010	<b>1.35/2</b>	1.30/0 - 1.30/9	M 14x1,5	M10	24	500	1700	3200
1958089	<b>1.35/3</b>	1.30/6 - 1.30/9	M 14x1,5	-	24	500	3000	4200



**1.36/1-3**

**SUPPORT BRACE**

► Operation: The 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



**1.36/4**

**SUPPORT BRACE**

► For internal extractor no. 1.30/10  
 ► Operation see no. 1.36



Code	No.	for internal extractors	M	● mm	↕ mm
8016580	<b>1.36/1</b>	1.30/0 - 1.30/5 1.34/1 - 1.34/4	M10	27	750
8016660	<b>1.36/2</b>	1.30/6 - 1.30/7	M14x1,5	32	1650
8016740	<b>1.36/3</b>	1.30/8 - 1.30/9	M14x1,5	32	3000

Code	No.	M	● mm	↕ mm
8016820	<b>1.36/4</b>	G 1/2"	36	7.6



**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

1.31/1



1.31/0



Code	No.	Contents	↕ mm
8014450	<b>1.31/0N</b>	4 internal extractors 12-30 mm 1.30/2N -3N -4 -4A 1 support brace 1.36/1	2.6
8014530	<b>1.31/0</b>	4 internal extractors 12-30 mm 1.30/2 -3 -4 -4A 1 support brace 1.36/1	2.6
8014610	<b>1.31/1</b>	6 internal extractors 12-46 mm 1.30/2 - 6 2 support braces 1.36/1 - 2	6.4
8014880	<b>1.31/2</b>	8 internal extractors 12-70 mm 1.30/2 - 8 2 support braces 1.36/1 - 2	9.2

**1.32/1-2**

**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

Code	No.	Contents	
8015260	<b>1.32/1</b>	6 internal extractors 12-46 mm 1.30/2 - 6, 2 support braces 1.36/1 - 2 1 pulling chuck 1.44, 1 battery-terminal puller 1.12/02, 1 puller, 2-arm pattern 1.06/1	10.4
8015340	<b>1.32/2</b>	8 internal extractors 12-70 mm 1.30/2 - 8, 2 support braces 1.36/1 - 2, 1 pulling chuck 1.44 1 battery-terminal puller 1.12/02, 2 pullers, 2-arm pattern 1.06/1 - 2, 1 stud extractor 1.28/1	19.0

**1.37**

**CYLINDER LINER PULLER complete with support brace**

▣ Wet heavy-vehicle (e.g. Daimler Benz, MAN) cylinder liners, automobile and stationary-engine liners, and other parts may be extracted using this puller



Code	No.				
8017200	<b>1.37/2</b>	G 1/2"	60-160	36	6.8

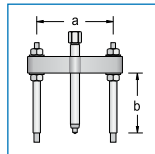


Bearing installation tools and safety cover are listed on page 205



**SEPARATORS****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



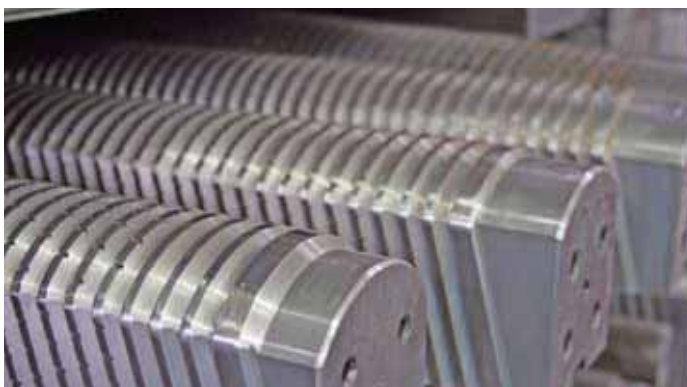
Code	No.	for separator	a	b		mm			
8017550	<b>1.38/0</b>	1.40/0	40-120	160	M 14 x 120	17	M10 / M12x1,5	–	1.0
8017630	<b>1.38/1</b>	1.40/1	60-165	230	M 18 x 170	19	M10 / M14x1,5	–	1.1
8017710	<b>1.38/2</b>	1.40/2	70-215	250	G 1/2 x 210	22	M14x1,5 / M16x1,5	1.06/HSP1	3.4
8017980	<b>1.38/3</b>	1.40/3	90-300	270	G 3/4 x 280	27	M18x1,5 / M20x1,5	1.06/HSP2	6.5
8018010	<b>1.38/4</b>	1.40/4	125-380	350	G 1 x 310	36	M22x1,5 / M24x1,5	1.06/HSP3	11.6
8018280	<b>1.38/5</b>	1.40/5	140-440	400	G 1 x 360	36	M24x1,5 / M26x1,5	1.06/HSP3	16.6

**1.38/V****EXTENSION ROD**

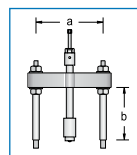
- For separator pullers 1.38



Code	No.	for separator		mm	
8018440	<b>1.38/AV</b>	1.38/0 1.38/1	M10	100	0.3
8018520	<b>1.38/CV</b>	1.38/2	M14x1,5	100	0.3
8018600	<b>1.38/DV</b>	1.38/3	M18x1,5	100	0.7
8018790	<b>1.38/EV</b>	1.38/4	M22x1,5	200	2.1
8018870	<b>1.38/FV</b>	1.38/5	M24x1,5	200	2.7

**1.38/HSP****SEPARATOR PULLER hydraulic**

- For use with separating blades 1.40
- The tension bolts are screwed into the threaded bores of the separating blades



Code	No.	for separator		a	b	
8014960	<b>1.38/2-HSP1</b>	1.40/2	M14x1,5	70-215	175	3.9
8015180	<b>1.38/3-HSP2</b>	1.40/3	M18x1,5	90-300	195	7.1
8015420	<b>1.38/4-HSP3</b>	1.40/4	M22x1,5	125-380	240	12.6
8015500	<b>1.38/5-HSP3</b>	1.40/5	M24x1,5	140-440	290	17.4






**1.40**

**BEARING SEPARATOR**

- For removing taper roller and ball bearings, inner bearing races, and other tightly-seated or thin-walled parts



Code	No.	for puller	 M		
8019680	<b>1.40/0</b>	1.38/0	M10	5-60	0.5
8019760	<b>1.40/1</b>	1.38/1	M10	12-75	0.9
8019840	<b>1.40/2</b>	1.38/2	M14x1,5	22-115	2.4
8019920	<b>1.40/3</b>	1.38/3	M18x1,5	30-155	4.7
8020180	<b>1.40/4</b>	1.38/4	M22x1,5	30-200	8.9
8020260	<b>1.40/5</b>	1.38/5	M24x1,5	30-250	15.3







**1.40/15**

**DRIVE SHAFT BEARING PULLER**

- Operation: The separator blades are placed evenly behind the bearing and the pulling arms aligned parallel to the axle and spindle




Code	No.	Aperture				
8010380	<b>1.40/15</b>	45-75	750	G 1/2 x 160	22	11.8

**1.40/16**

**PULLER 2 pieces**

- These legs, together with the cross-beam and separator blades of 1.40/15, are used for mounting drive-shaft bearings
- Operation: The separator blades are placed with the flat side behind the bearing, and the legs inserted behind the clamping bolt of the separator blades. When the spindle is tightened, the bearing is pulled against the axle flange




Code	No.	Description	
8010460	<b>1.40/16</b>	Pair of legs	1.4
8010540	<b>1.40/16A</b>	Cross-beam with spindle	1.9

**1.41**

**SEPARATOR AND PULLER SET**

- Set comprising separator, puller, and extension rods
- In sheet metal case






Code	No.	Contents	
8109750	<b>1.41/0</b>	1.38/0 1.38/AV 1.40/0	2.8
8109830	<b>1.41/1</b>	1.38/1 1.38/AV 1.40/1	5.3
8109910	<b>1.41/2</b>	1.38/2 1.38/CV 1.40/2	9.0
8110090	<b>1.41/3</b>	1.38/3 1.38/DV 1.40/3	16.0
8110170	<b>1.41/4</b>	1.38/4 1.38/EV 1.40/4	28.6

**1.60**

**WHEEL-HUB PULLER for cars and trucks**

- For wheel stud circles up to 225 mm
- Easy to use
- Upgradeable with hydraulic spindle
- No. 1.60/H = Spare leg






Code	No.	No. of legs			
8024840	<b>1.60/3</b>	3	G 3/4 x 200	1.06/HSP2	4.3
8110840	<b>1.60/4</b>	4	G 3/4 x 200	1.06/HSP2	4.9
8024920	<b>1.60/5</b>	5	G 3/4 x 200	1.06/HSP2	5.3
8110920	<b>1.60/H</b>	1			0.5

**1.60/HSP**

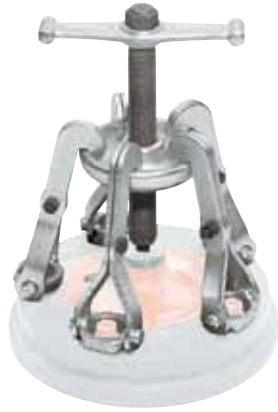
**WHEEL-HUB PULLER for cars and trucks, hydraulic (not illustrated)**

- For wheel stud circles up to 225 mm
- Easy to use

Code	No.	No. of legs			
8015690	<b>1.60/3-HSP2</b>	3		1.06/HSP2	4.5
8015770	<b>1.60/4-HSP2</b>	4		1.06/HSP2	5.4
8015850	<b>1.60/5-HSP2</b>	5		1.06/HSP2	5.8

**1.61****WHEEL-HUB PULLER for cars and trucks**

- For wheel stud circles up to 250 mm
- Easy to use
- Upgradeable with hydraulic spindle
- No. 1.61/H = Spare leg



Code	No.	No. of legs			
8111060	<b>1.61/3</b>	3	G 3/4 x 200	1.06/HSP2	4.7
8111140	<b>1.61/4</b>	4	G 3/4 x 200	1.06/HSP2	5.2
8025300	<b>1.61/5</b>	5	G 3/4 x 200	1.06/HSP2	5.8
8111220	<b>1.61/H</b>	1			0.6

**1.61/HSP****WHEEL-HUB PULLER for cars and trucks, hydraulic**

- For wheel stud circles up to 250 mm
- Easy to use



Code	No.	No. of legs		
8015930	<b>1.61/3-HSP2</b>	3	1.06/HSP2	5.4
8016150	<b>1.61/4-HSP2</b>	4	1.06/HSP2	6.2
8016230	<b>1.61/5-HSP2</b>	5	1.06/HSP2	6.9

**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
- Upgradeable with hydraulic spindle



Code	No.	No. of legs			
8026030	<b>1.62/8</b>	8	G 1 x 310	1.06/HSP3	12.6
8111220	<b>1.61/H</b>	1			0.6

**1.62/HSP****WHEEL-HUB PULLER for trucks, hydraulic (not illustrated)**

- For wheel stud circles up to 350 mm
- With wheel stud protection using rotating nut apertures that always lie flat to the hub

Code	No.	No. of legs		
8016310	<b>1.62/8-HSP3</b>	8	1.06/HSP3	13.6

**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



Code	No.		
8026700	<b>1.64/1</b>	24	4.5

**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



Code	No.		
8027000	<b>1.65/1</b>	G 1.1/4 x 270	16.3



**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
- Using one pair each of long (135 mm) and short (85 mm) hooks and a protective cap for the thread of the steering column no. 1.66/11 is suitable as a steering wheel puller



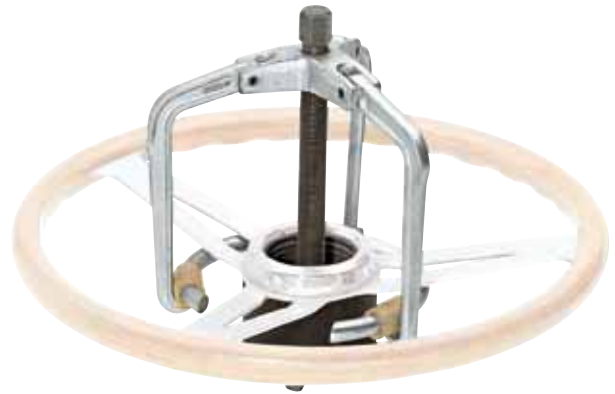
Code	No.	—	● mm	↔
8027510	<b>1.66/1</b>	M 12 x 110	14	0.7
8027780	<b>1.66/11</b>	M 12 x 110	14	1.1



**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

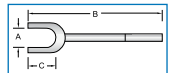


Code	No.	Leg length	—	● mm	↔
8028750	<b>1.68/1</b>	120	M 18 x 170	19	2.0

**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



Code	No.	A mm	B mm	C mm	↔
8029210	<b>1.70/1</b>	18	340	80	0.8
8029480	<b>1.70/2</b>	23	340	80	0.9
8029560	<b>1.70/3</b>	29	350	90	1.1
8029640	<b>1.70/4</b>	40	350	90	1.2
8085040	<b>1.70/5</b>	45	355	95	1.2

**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



Code	No.	Clamping reach	Leg length up to	—	● mm	↔
8028240	<b>1.67/1</b>	35-90	135	M 14x1,5 x 150	17	0.9





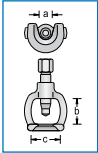


## BALL JOINT PULLERS

1.72

### BALL JOINT PULLER

- For the simple and damage-free removal of ball pins on track rods and push rods



Code	No.	a	b	c	mm	mm	mm
8030300	1.72/1	18	35	40	M 14x1,5 x 50	17	0.3
8030490	1.72/2	23	45	50	M 14x1,5 x 50	17	0.4
8030570	1.72/3	27	56	60	M 18x1,5 x 80	19	0.7
8030650	1.72/4	37	78	75	G 1/2 x 110	22	1.7

1.73

### UNIVERSAL BALL JOINT PULLER

- For removing ball joints on cars and trucks



Code	No.	mm	Clamping height	Fork depth	mm
8030810	1.73/1	23	65	24	0.7
8033240	1.73/3	32	85	28	2.5

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



Code	No.	mm	Clamping height	Fork depth	mm
8085200	1.74/1	20	12-50	35	1.4
8085390	1.74/2	20	50-80	35	1.7

## OIL FILTER HOOK

1.75

### OIL FILTER HOOK 3-arm pattern

- For removing firmly seated oil filters
- With 3/8" female square drive and adaptor 17 mm external

3/8"



Code	No.	mm	mm
8117420	1.75/1	60-120	0.7

Cylinder liner puller are listed on page 236

## COIL SPRING COMPRESSORS

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



Code	No.	Clamping reach	mm
8031110	1.78/S1	140	1.8
8031380	1.78/S2	240	2.2
8031460	1.78/S3	340	2.6

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**1.78 P**

**UNIVERSAL COIL SPRING COMPRESSOR**

- For MacPherson suspension strut and transverse link axes 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



Code	No.	Clamping reach	max. t	
8111300	<b>1.78/P1</b>	240	3.5	2.6
8031030	<b>1.78/PK1</b>	240	3.5	2.5



**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

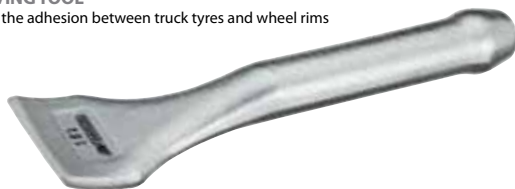


Code	No.	
8112540	<b>1.79/1</b>	0.4

**1.91**

**TYRE REMOVING TOOL**

- For breaking the adhesion between truck tyres and wheel rims



Code	No.	l mm	
8032270	<b>1.91</b>	300	2.0

**TRACK ALIGNMENT GAUGE**

**3.01**

**TRACK ALIGNMENT GAUGE**

- For inside measurement
- Suitable for all vehicle types
- With simple, telescopic length adjustment
- Extensive measurement range from 835 to 1500 mm, and with extensions up to 2100 mm
- Track difference measurable from 0-35 mm, easy to read



Code	No.	Description	Measurement range mm	
8033080	<b>3.01</b>	Track alignment gauge	835-1500	1.9
8033160	<b>3.01/V</b>	Extension for track alignment gauge	1500-2100	0.6

**NOTES ON USE 3.01**

- 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.

**ACCESSORIES**

**1.26**

**NUT SPLITTER**

- For splitting jammed or stripped nuts without damaging the bolt thread
- Suitable for nuts up to property class 6



Code	No.	for nuts		mm	
8009880	<b>1.26/1</b>	10-17 mm, M6-M10	M 14x1,5 x 37	17	0.3
8009610	<b>1.26/2</b>	17-24 mm, M10-M16	M 14x1,5 x 37	17	0.3
8010030	<b>1.26/3</b>	24-36 mm, M16-M24	M 22x1,5 x 70	24	1.1



**1.26/12**

**NUT SPLITTER SET**

- ▶ In plastic wallet



Code	No.	Contents 1 each	
8010110	<b>1.26/12</b>	1.26/1 1.26/2	0.6

**1.26/K**

**NUT SPLITTER SET**

- ▶ For nuts from size 10 mm (M6) to size 36 mm (M24) including spare chisel
- ▶ In plastic case with Check-Tool insert



Code	No.	Contents		
2017008	<b>1.26/K-3</b>	as below stated		

Code	No.	Description	Qty.
8009880	<b>1.26/1</b>	Nut splitter	1
8009610	<b>1.26/2</b>	Nut splitter	1
8010030	<b>1.26/3</b>	Nut splitter	1
2017016	<b>1.26/M1</b>	Spare chisel for 1.26/1 + /2	2
2017024	<b>1.26/M3</b>	Spare chisel for 1.26/3	1



**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



1.26/1 HYD



1.26/2 HYD



Code	No.	for nuts	●mm	max. t	
8009450	<b>1.26/1 HYD</b>	7-22 mm, M4-M14	12	5.0	0.8
8009530	<b>1.26/2 HYD</b>	22-36 mm, M14-M24	12	13.0	3.4

**1.28**

**STUD EXTRACTOR**

- ▶ For inserting and removing studs
- ▶ Even suitable for extremely short stud ends



Code	No.	Ø-Stud	●mm	
8010620	<b>1.28/1</b>	6-13	19	0.2
8010700	<b>1.28/2</b>	8-19	19	0.3
8010890	<b>1.28/3</b>	19-25	19	0.4

**1.28/4**

**STUD EXTRACTOR**

- ▶ For inserting and removing studs
- ▶ Even suitable for extremely short stud ends



Code	No.	Ø-Stud	●mm	
1465031	<b>1.28/4</b>	5-26	19	0.6




**1.44**

**PULLING CHUCK**

- For removing the inner races of dynamos, magnetos, motors, and other machine parts
- Simple operation by tightening the cap nut



Code	No.	Clamping reach	Clamping depth	
8022040	<b>1.44/1</b>	5-32	125	1.4




**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°!



Code	No.	for screw threads	Ø	
1596403	<b>1.90/1</b>	M16 - M24	80-250	5.5

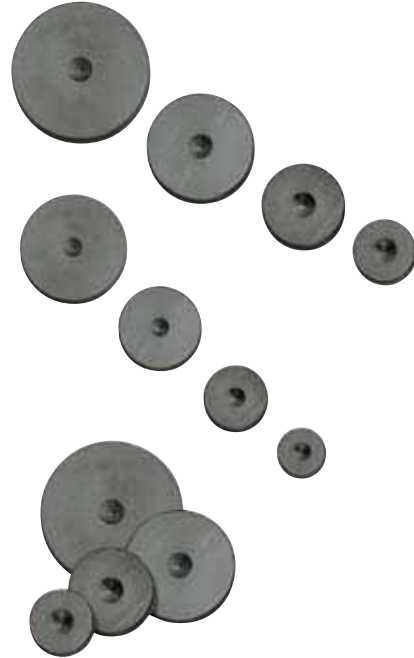



**SPINDLE PRESSURE PADS / ADAPTORS**

**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





Code	No.	Plate Ø	Holder Ø	
1120697	<b>1.80/1</b>	25 28 32	19 22 25	2.300
		35 41 44	28 32 35	
		48 50 54	38 41 44	
		60 64	48 50	
		67 70 73	54 57 60	
1120700	<b>1.80/2</b>	78 83 90	64 70 76	2.400
		64 70 76	54 57 60	
1120719	<b>1.80/3</b>	41 44 48	32 35 38	4.300
		50 54 60	41 44 48	
		64 67 70	50 54 57	
		73 78 83	60 64 70	
		90	76	

**1.81/1 + 2**

**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 slide hammers 1.35/1, 1.35/2, threaded support 1.36/1
- No. 1.81/2: For slide hammers 1.35/2, 1.36/2, threaded support 1.36/3



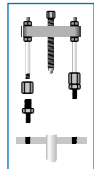
Code	No.	Connecting thread 	
1120727	<b>1.81/1</b>	M10 - M4 M10 - M5 M10 - M6	340
		M10 - M8 M10 - M10 M10 - M12	
1120743	<b>1.81/2</b>	M14x1,5 - M8 M14x1,5 - M10	490
		M14x1,5 - M12 M14x1,5 - M14	
		M14x1,5 - M16 M14x1,5 - M18	



### 1.81/10 + 20

#### 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

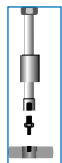


Code	No.	Connecting thread $\square \square \square \square \square$	$\square \square \square$
1120735	<b>1.81/10</b>	M10 - M4 M10 - M5 M10 - M6 M10 - M8 M10 - M10 M10 - M12	670
1120751	<b>1.81/20</b>	M14x1,5 - M8 M14x1,5 - M10 M14x1,5 - M12 M14x1,5 - M14 M14x1,5 - M16 M14x1,5 - M18	1222

### 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 slide hammer 1.35/1, rod 230 mm and impact weight 200 g
- No. 1.81/K-12: With slide 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



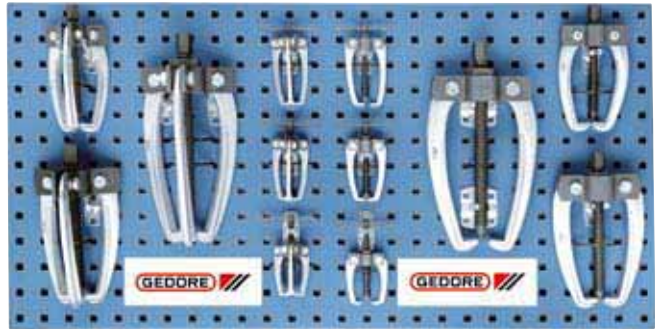
Code	No.	Connecting thread $\square \square \square \square \square$	$\square \square \square$
1936549	<b>1.81/K-1</b>	M10 - M4 M10 - M5 M10 - M6 M10 - M8 M10 - M10 M10 - M12	1000
1936557	<b>1.81/K-12</b>	M10 - M4 M10 - M5 M10 - M6 M10 - M8 M10 - M10 M10 - M12 M14x1,5 - M14 M14x1,5 - M16 M14x1,5 - M18	1830

## ADD-ON SYSTEMS

### 1.18/1.19

#### ECO PULLER SET

- This perforated panel offers place for every pullers of the series 1.18 and 1.19



Code	No.	Contents 1 each	$\square \square \square$
1824007	<b>1.18/1.19</b>	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 1.18/02 1.18/01 1.18/00 3-arm Fan puller 1.19/02 1.19/01 1.19/00	21.0

### 2.10

#### AUTOMOBILE WORKSHOP SET Add-on system

- Clearly arranged module system
- Everything at hand on perforated wall-board



Code	No.	Contents	$\square \square \square$
1088696	<b>2.10</b>	as below stated	13.3

Code	No.	Description	Qty.
1076469	<b>106/103</b>	Cross-beam, 2-arm pattern, 140 mm	1
1076981	<b>107/103</b>	Cross-beam, 3-arm pattern, 140 mm	1
1120514	<b>106/A</b>	Pulling leg, 100 mm	3
1175343	<b>106/S100</b>	Pulling leg, slim pattern, 100 mm	3
8003840	<b>1.12/02</b>	Battery-terminal puller, 2-arm pattern	1
8009610	<b>1.26/2</b>	Nut splitter	1
8010700	<b>1.28/2</b>	Stud extractor	1
8029480	<b>1.70/2</b>	Dismantling and assembly fork	1
8030810	<b>1.73/1</b>	Universal ball joint puller	1
8117420	<b>1.75/1</b>	Oil filter hook	1

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**2.20**

**TRUCK WORKSHOP SET Add-on system**

- Clearly arranged module system
- Everything at hand on perforated wall-board



Code	No.	Contents	⚖️
1088718	<b>2.20</b>	as below stated	23.3

Code	No.	Description	Qty.
1076612	<b>106/2A03</b>	Cross-beam, 2-arm pattern, 260 mm	1
1077023	<b>107/2A03</b>	Cross-beam, 3-arm pattern, 260 mm	1
1120530	<b>106/B</b>	Pulling leg, 100 mm	3
1175475	<b>106/S220</b>	Pulling leg, slim pattern, 220 mm	3
1123947	<b>106/BV</b>	Pulling leg, 300 mm	3
1084593	<b>1.2106210</b>	Spindle	1
8116100	<b>1.06/HSP1</b>	Hydraulic pressure spindle	1
8019840	<b>1.40/2</b>	Bearing separator	1

**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



Code	No.	Contents	⚖️
1393014	<b>2.30</b>	as below stated	19.4

Code	No.	Description	Qty.
1076469	<b>106/103</b>	Cross-beam, 2-arm pattern, 140 mm	1
1076485	<b>106/1A03</b>	Cross-beam, 2-arm pattern, 180 mm	1
1076590	<b>106/203</b>	Cross-beam, 2-arm pattern, 220 mm	1
1076612	<b>106/2A03</b>	Cross-beam, 2-arm pattern, 260 mm	1
1076981	<b>107/103</b>	Cross-beam, 3-arm pattern, 140 mm	1
1077007	<b>107/1A03</b>	Cross-beam, 3-arm pattern, 180 mm	1
1077015	<b>107/203</b>	Cross-beam, 3-arm pattern, 220 mm	1
1077023	<b>107/2A03</b>	Cross-beam, 3-arm pattern, 260 mm	1
1084488	<b>1.1406140</b>	Spindle	1
1084593	<b>1.2106210</b>	Spindle	1
8116100	<b>1.06/HSP1</b>	Hydraulic pressure spindle	1
1178199	<b>106/A-E</b>	Pulling leg	3
1178253	<b>106/B-E</b>	Pulling leg	3

**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



Code	No.	Contents	⚖️
2017032	<b>2.30-B</b>	as below stated	

Code	No.	Description	Qty.
1076469	<b>106/103</b>	Cross-beam, 2-arm pattern, 140 mm	1
1076485	<b>106/1A03</b>	Cross-beam, 2-arm pattern, 180 mm	1
1076590	<b>106/203</b>	Cross-beam, 2-arm pattern, 220 mm	1
1076612	<b>106/2A03</b>	Cross-beam, 2-arm pattern, 260 mm	1
1076981	<b>107/103</b>	Cross-beam, 3-arm pattern, 140 mm	1
1077007	<b>107/1A03</b>	Cross-beam, 3-arm pattern, 180 mm	1
1077015	<b>107/203</b>	Cross-beam, 3-arm pattern, 220 mm	1
1077023	<b>107/2A03</b>	Cross-beam, 3-arm pattern, 260 mm	1
1084488	<b>1.1406140</b>	Spindle	1
1084593	<b>1.2106210</b>	Spindle	1
8116100	<b>1.06/HSP1</b>	Hydraulic pressure spindle	1
1956418	<b>1.06/100-B</b>	Pulling legs	3
1956426	<b>1.06/150-B</b>	Pulling legs	3

**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

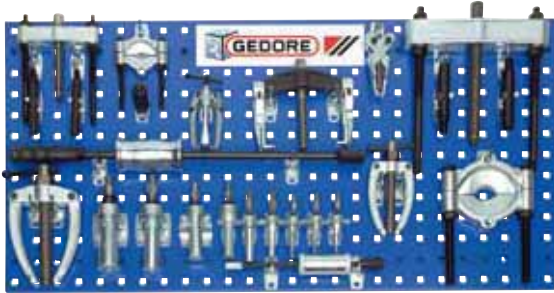


Code	No.	Contents	⚖️
1393030	<b>2.40</b>	as below stated	24.3

Code	No.	Description	Qty.
1077856	<b>114/204</b>	Head	1
1077910	<b>114/304</b>	Head	1
1078054	<b>115/204</b>	Head	1
1078070	<b>115/304</b>	Head	1
1084569	<b>1.1806200</b>	Spindle	1
1084631	<b>1.2106250</b>	Spindle	1
8116100	<b>1.06/HSP1</b>	Hydraulic pressure spindle	1
1077821	<b>114/201</b>	Pulling leg, 210 mm	3
1077899	<b>114/301</b>	Pulling leg, 260 mm	3
1077953	<b>114/401</b>	Pulling leg, 390 mm	3
1077872	<b>114/208</b>	Strap	6
1077937	<b>114/308</b>	Strap	12

**2.50****SET OF INTERNAL AND EXTERNAL EXTRACTORS**

- Suitable for various applications of external or internal extraction
- Internal extractors for bores with  $\varnothing$  5 - 55 mm. To use in connection with impact bearing puller 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



Code	No.	Description	Qty.
8039010	<b>1.35/2</b>	Impact bearing puller	1
8016580	<b>1.36/1</b>	Support brace	1
8016660	<b>1.36/2</b>	Support brace	1
1868152	<b>1.04/HP1A</b>	Universal puller HIGH POWER	1
1628410	<b>1.13/00</b>	Battery-terminal puller, 3-arm pattern	1
8084580	<b>1.23/15</b>	Puller	1
8017550	<b>1.38/0</b>	Separator puller	1
8017710	<b>1.38/2</b>	Separator puller	1
8018440	<b>1.38/AV</b>	Extension rod	1
8018520	<b>1.38/CV</b>	Extension rod	1
8019680	<b>1.40/0</b>	Bearing separator	1
8019840	<b>1.40/2</b>	Bearing separator	1

Code	No.	Contents		
2017040	<b>2.50</b>	as below stated		

Code	No.	Description	Qty.
8012750	<b>1.30/0</b>	Internal extractor	1
8012830	<b>1.30/1</b>	Internal extractor	1
8012910	<b>1.30/2</b>	Internal extractor	1
8013130	<b>1.30/3</b>	Internal extractor	1
8013480	<b>1.30/4</b>	Internal extractor	1
8013560	<b>1.30/4A</b>	Internal extractor	1
8013640	<b>1.30/5</b>	Internal extractor	1
8013720	<b>1.30/6</b>	Internal extractor	1
8013800	<b>1.30/7</b>	Internal extractor	1
1958070	<b>1.35/1A</b>	Impact bearing puller	1

**SAFETY NOTES**



# INNOVATIVE CORROSION PROTECTION NC COROSTOP IDEAL IN WIND AND WEATHER

## OVERVIEW

- ▼ COROSTOP Tools
- ▼ Nautic Sets
- ▼ Cases
- ▼ Parts







# COROSTOP TOOLS An innovation by GEDORE



### Surface treatment

- COROSTOP is a special process for preventing corrosion on tools used in wet areas. The tools are specially electroplated to provide corrosion proofing many times greater (at least 500%) than our conventionally coated tools. The protective COROSTOP coating reliably protects the tool, even when it sustains slight surface damage.
- This method ensures COROSTOP tools are ideally suited to a wide range of marine applications, work on drilling rigs - in fact everywhere where water is present or used in the process and robust tools are required for sustained use.

### Care notes:

- After use, rinse the tools with tap water (fresh water) and then wipe dry. This will maintain corrosion proofing over a long period.

### Comparative test - effect of NC in salt water



After 10 days in salty seawater:

- The surface shows no trace of corrosion
- The surface has clear traces of rust film

### COROSTOP Tool Sets

- Tools in metric or inch sizes. Supplied in watertight, offshore-yellow cases, temperature-stable from -25°C to +80°C. The cases float and can give a person overboard additional buoyancy. Depending on its size, the case complete with tools has a buoyancy of around 10 N - 100 N. The majority of the tools have the special COROSTOP (= NC) coating to give long-term corrosion-proofing.





## NAUTIC-SETS

### 502 M

#### NAUTIC SET DHINGY 11 pieces

- This set contains only the tools required on a small sailing boat
- The buoyancy of the case including tools is more than 20 N
- Dimensions: 255 x 180 x 80 mm
- Delivery package does not contain any extras (glasses, watch, mobile phone etc.)



Code	No.	🚚	📦
1657453	<b>502 M</b> NC 42 2,5 4 5 6 8 NC 2150 5,5 NC 2160 PH 2 NC 8210-180 J 4900 E-502/503 EH First-Aid-Kit E-502 P Plastic box	1.5	1

### 502 P

#### NAUTIC SET DHINGY PLUS 17 pieces

- This set contains only the tools required on a small sailing boat
- The buoyancy of the case including tools is more than 20 N
- Dimensions: 255 x 180 x 80 mm



Code	No.	🚚	📦
1884395	<b>502 P</b> NC H 42-10 (1,3 1,5 2 2,5 3 4 5 6 8 10 mm) 4900 NC 145 10 NC 2160 PH 0 1 2 247 H-30-200 E-502/503 EH First-Aid-Kit	1.7	1



### 503 M

#### NAUTIC SET MOTORBOAT 22 pieces

- The MOTORBOAT set is aimed at skippers of small to medium-sized motorboats
- It contains all the tools required to carry out maintenance and minor engine repairs
- The buoyancy of the case including tools is more than 10 N
- Dimensions: 255 x 180 x 80 mm



Code	No.	🚚	📦
1657461	<b>503 M</b> NC H 42-10 (1,3 1,5 2 2,5 3 4 5 6 8 10 mm) NC 49 D, NC 49 R NC 145 10 NC 2150 5,5 NC 2160 PH 2 NC 8210-180 J 4900 648 4610 4629 8729 First-Aid-Kit E-502/503 EH	2.4	1

### 504 M

#### NAUTIC SET YACHT 65 pieces

- The YACHT set is aimed at skippers of large motor and sailing yachts, enabling them to carry out repairs away from the marina
- The buoyancy of the case including tools is around 100 N
- Dimensions: 380 x 250 x 120 mm



Code	No.	🚚	📦
1658344	<b>504 M</b> NC 7 6 7 8 9 10 12 13 14 15 16 17 18 19 NC H 42-10 (1,3 1,5 2 2,5 3 4 5 6 8 10 mm) NC SCL 43 TX-80 (T9 T10 T15 T20 T25 T27 T30 T40) NC 52 NC 53 NC 60 P 8 NC 30 8 10 12 13 14 15 16 17 18 19 20 21 22 NC 3087 NC 3090-5 NC 3093 U-10 NC 137 10 NC 2150 3 5,5 8 NC 2160 PH 1 2 406 4522 4534-3 4610 4629 NC 8132-160 J NC 8210-180 J NC 8316-160 J 247 H-30	7.0	1

### 504 A

#### NAUTIC SET YACHT AF 59 pieces

- The YACHT set is aimed at skippers of large motor and sailing yachts, enabling them to carry out repairs away from the marina
- Tools in inch sizes
- The buoyancy of the case including tools is around 100 N
- Dimensions: 380 x 250 x 120 mm

**10****3/8"**

Code	No.	🚚	📦
1884239	<b>504 A</b> NC 7 1/4 5/16 11/32 3/8 7/16 1/2 9/16 5/8 11/16 3/4 AF NC H 42-88 A (5/64 3/32 1/8 5/32 3/16 7/32 1/4 5/16 AF) NC SCL 43 TX-80 (T9 T10 T15 T20 T25 T27 T30 T40) NC 52 NC 53 NC 60 P 8 NC 30 1/4 5/16 11/32 3/8 AF NC D 30 7/16 1/2 9/16 19/32 5/8 11/16 3/4 AF NC 3087 NC 3090-5 NC 3093 U-10 NC 137 10 NC 145 10 NC 2150 3 5,5 8 NC 2160 PH 1 2 406 4522 4534-3 4610 4629 NC 8132 AB-160 J NC 8210-180 J NC 8316-160 J 247 H-30	6.5	1



Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)



**505 M**

**NAUTIC SET CARGO SHIP 73 pieces**

- ▶ The CARGO SHIP set is aimed at owners of vessels from small fishing smacks up to cargo ships, enabling them to carry out repairs out of port
- ▶ The buoyancy of the case including tools is around 100 N
- ▶ Dimensions: 420 x 305 x 170 mm

12,5

1/2"



Code	No.	12,5	1/2"
1658336	<b>505 M</b>	15,0	1
	NC 7 6 7 8 9 10 12 13 14 16 17 18 19 22 24 27 30 32		
	NC H 42-10 (1,3 1,5 2 2,5 3 4 5 6 8 10 mm)		
	NC SCL 43 TX-80 (T9 T10 T15 T20 T25 T27 T30 T40) NC 50 NC 54		
	NC 19 10 12 13 14 16 17 18 19 22 24 27 30 32		
	NC 1987 NC 1990-5 -10		
	NC 1993 U-10 T NC 60 P 12		
	NC 137 10 NC 145 10		
	NC 352 150 NC 355 4		
	NC 2150 3 5,5 8 NC 2160 PH 1 2		
	406 4522 4534-3 4610		
	4629 NC 8132-160 J		
	NC 8210-180 J		
	NC 8316-160 J 247 H-30		

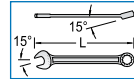


**COROSTOP NC SPANNERS**

**NC 7**

**COMBINATION SPANNER NC with same size each end**

- ▶ Acc. to DIN 3113 Form A, ISO 3318, ISO 7738 (only metric sizes)
- ▶ Ring 15° offset from shaft
- ▶ GEDORE vanadium steel 31CrV3, with COROSTOP coating, polished rings
- ▶ \* not standardised



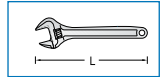
Code	No.	*	Ø mm	L	12,5	1/2"
1669613	<b>NC 7 6</b>		6	100	12	1
1669621	<b>NC 7 7</b>		7	110	15	1
1669648	<b>NC 7 8</b>		8	120	20	1
1669656	<b>NC 7 9</b>		9	130	32	1
1669664	<b>NC 7 10</b>		10	140	34	1
1669680	<b>NC 7 12</b>		12	160	50	1
1669699	<b>NC 7 13</b>		13	170	65	1
1669702	<b>NC 7 14</b>		14	180	73	1
1669710	<b>NC 7 15</b>		15	190	90	1
1669729	<b>NC 7 16</b>		16	200	120	1
1669737	<b>NC 7 17</b>		17	210	105	1
1669745	<b>NC 7 18</b>		18	220	165	1
1669753	<b>NC 7 19</b>		19	230	150	1
1669761	<b>NC 7 20</b>	*	20	240	220	1
1669796	<b>NC 7 21</b>		21	252	250	1
1669818	<b>NC 7 22</b>		22	262	215	1
1669826	<b>NC 7 24</b>		24	282	295	1
1669834	<b>NC 7 27</b>		27	310	400	1
1669842	<b>NC 7 30</b>		30	340	544	1
1669850	<b>NC 7 32</b>		32	380	624	1

Code	No.	Ø AF	L	12,5	1/2"
1803603	<b>NC 7 1/4AF</b>	1/4	100	14	1
1803611	<b>NC 7 5/16AF</b>	5/16	120	20	1
1884115	<b>NC 7 11/32AF</b>	11/32	130	30	1
1803638	<b>NC 7 3/8AF</b>	3/8	140	45	1
1803646	<b>NC 7 7/16AF</b>	7/16	150	45	1
1803654	<b>NC 7 1/2AF</b>	1/2	170	50	1
1803662	<b>NC 7 9/16AF</b>	9/16	180	65	1
1803670	<b>NC 7 5/8AF</b>	5/8	200	75	1
1803689	<b>NC 7 11/16AF</b>	11/16	220	100	1
1803697	<b>NC 7 3/4AF</b>	3/4	230	135	1
1803700	<b>NC 7 7/8AF</b>	7/8	262	190	1
1803719	<b>NC 7 1AF</b>	1	302	300	1

**NC 60 P**

**ADJUSTABLE WRENCH NC open end**

- ▶ Acc. to DIN 3117, Form A
- ▶ Swedish pattern, roller with left hand thread
- ▶ Jaw set at 15°
- ▶ With scale
- ▶ GEDORE vanadium steel 31CrV3, with COROSTOP coating



Code	No.	L mm	12,5	1/2"	12,5	1/2"
1670220	<b>NC 60 P 8</b>	205	25	1	0-25	250
1669958	<b>NC 60 P 12</b>	305	36	1.7/16	0-36	700

**RING SLOGGING SPANNER LOCK-ON**

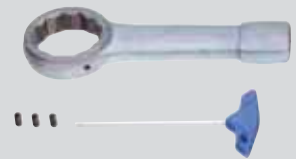
**A safe solution... for those firmly-seated connections**



- ▶ GEDORE's ring slogging spanner NC 306 S embodying the new safety technology
- ▶ The spanner is safely secured to the work, and this is done by fixing the ring slogging spanner in position with a small screw on the ring head



- ▶ Optimum protection against injuries
- ▶ The spanner is safely secured to the work
- ▶ Noticeably greater impact effect when used - this means more effective use of the ring slogging spanner
- ▶ COROSTOP coating for long-life corrosion proofing



**The principle:**

- ▶ A small locking screw through the head of the slogging spanner grips the side of the bolt to be released. After the slogging spanner has done its job, the screw is slackened off again
- ▶ Available in all usual sizes:
- ▶ 24, 27, 30, 32, 34, 36, 41, 46, 50, 55, 60, 65, 70, 80, 90, 95, 100, 115, 120, 130, 135, 145, 150, 155, 165, 170, 175 mm
- ▶ Prices and further sizes on request (mm, inch)

**505 A**

**NAUTIC SET CARGO SHIP AF 64 pieces**

- ▶ The CARGO SHIP set is aimed at owners of vessels from small fishing smacks up to cargo ships, enabling them to carry out repairs out of port
- ▶ Tools in inch sizes
- ▶ The buoyancy of the case including tools is around 100 N
- ▶ Dimensions: 420 x 305 x 170 mm

12,5

1/2"



Code	No.	12,5	1/2"
1884220	<b>505 A</b>	10,0	1
	NC 7 1/4 5/16 11/32 3/8 7/16 1/2 9/16 5/8 11/16 3/4 7/8 1 AF		
	NC H 42-88 A (5/64 3/32 1/8 5/32 3/16 7/32 1/4 5/16 AF)		
	NC SCL 43 TX-80 (T9 T10 T15 T20 T25 T27 T30 T40)		
	NC 50 NC 54		
	NC D 19 5/16 11/32 3/8 13/32 7/16 1/2 9/16 19/32 5/8 11/16 3/4 AF NC 1987 NC 1990-5 -10		
	NC 1993 U-10 T NC 60 P 12		
	NC 137 10 NC 145 10 NC 352 150		
	NC 355 4 NC 2150 3 5,5 8		
	NC 2160 PH 1 2 406 4522		
	4534-3 4610 4629		
	NC 8132 AB-160 J NC 8210-180 J		
	NC 8316-160 J 247 H-30		



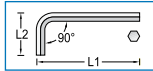


## COROSTOP NC SCREWDRIVER

### NC 42

#### HEXAGON SOCKET KEY NC for in-hex screws

- Acc. to DIN ISO 2936 (only metric sizes)
- GEDORE vanadium plus steel with COROSTOP coating



Code	No.	mm	L <sub>1</sub>	L <sub>2</sub>	mm	mm
1670077	NC 42 1,3	1.3	41.0	13.0	1	1
1670093	NC 42 1,5	1.5	46.5	15.5	1	1
1670107	NC 42 2 (5/64AF)	2.0	52.0	18.0	2	1
1670115	NC 42 2,5	2.5	58.5	20.5	3	1
1670123	NC 42 3	3.0	66.0	23.0	5	1
1670131	NC 42 4	4.0	74.0	29.0	10	1
1670158	NC 42 5	5.0	85.0	33.0	18	1
1670174	NC 42 6	6.0	96.0	38.0	29	1
1670182	NC 42 8	8.0	108.0	44.0	58	1
1670190	NC 42 10	10.0	122.0	50.0	100	1

Code	No.	AF	L <sub>1</sub>	L <sub>2</sub>	mm	mm
1884158	NC 42 3/32AF	3/32	56.5	20.5	3	1
1884166	NC 42 1/8AF	1/8	60.0	23.0	5	1
1884174	NC 42 5/32AF	5/32	67.0	26.0	9	1
1884182	NC 42 3/16AF	3/16	73.0	30.0	14	1
1884190	NC 42 7/32AF (5.5MM)	7/32	82.0	32.0	21	1
1803956	NC 42 1/4AF	1/4	92.0	36.5	31	1
1803964	NC 42 5/16AF	5/16	102.0	43.0	54	1
1803972	NC 42 3/8AF	3/8	115.0	49.0	87	1
1803980	NC 42 1/2AF	1/2	142.0	61.0	193	1
1803999	NC 42 9/16AF	9/16	154.0	66.0	270	1
1804006	NC 42 5/8AF	5/8	168.0	76.0	350	1
1804014	NC 42 3/4AF	3/4	199.0	89.0	580	1

### NC H 42

#### HEXAGON SOCKET KEY SET NC for in-hex screws

- In blue PVC wallet
- GEDORE vanadium plus steel with COROSTOP coating



Code	No.	mm	mm
1689541	NC H 42-10	1,3 1,5 2 2,5 3 4 5 6 8 10	258 1
1884131	NC H 42-88 A	5/64 3/32 1/8 5/32 3/16 7/32 1/4 5/16"	164 1

### NC SCL 43 TX-80

#### HEXAGON SOCKET KEY SET NC

- For recessed TORX® screws
- In robust metal clip
- GEDORE vanadium plus steel with COROSTOP coating
- TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Code	No.	mm	mm
1670026	NC SCL 43 TX-80	T9 T10 T15 T20 T25 T27 T30 T40	250 1

### NC 2150

#### 3C-SCREWDRIVER NC for slotted head screws

- Acc. to DIN ISO 2380-2, blade tip DIN ISO 2380-1 Form A
- 3-component handle with hanging hole
- Blade in vanadium plus steel with COROSTOP coating



Code	No.	mm	mm	mm	mm	mm
1669893	NC 2150 3	0.5	3.0	3	160	25 1
1669907	NC 2150 5,5	1.0	5.5	5	225	69 1
1669915	NC 2150 8	1.2	8.0	7	295	156 1



### NC 2160 PH

#### 3C-SCREWDRIVER NC for cross-slotted head screws PH

- Acc. to DIN 8764, tip to DIN ISO 8764-1 PH
- 3-component handle with hanging hole
- Blade in vanadium plus steel with COROSTOP coating



Code	No.	mm	mm	mm	mm
1884417	NC 2160 PH 0	M1,6 - M2	3,0	140	25 1
1669923	NC 2160 PH 1	M2 - M3	4,5	180	55 1
1669931	NC 2160 PH 2	M3,5 - M5	6,0	210	92 1



## COROSTOP NC SOCKETS + ACCESSORIES

### NC 30

#### SOCKET NC 3/8" hexagon

- Acc. to DIN 3124, ISO 2725-1 (only metric sizes)
- Square drive as per DIN 3120 - C 10, ISO 1174, with ball retaining groove
- Hand-operated, knurled grip
- GEDORE vanadium steel 31CrV3, with COROSTOP coating



Code	No.	mm	mm	mm	mm
1670239	NC 30 8	8	28	24	1
1670247	NC 30 10	10	28	30	1
1670255	NC 30 12	12	28	32	1
1670263	NC 30 13	13	28	35	1
1670271	NC 30 14	14	29	40	1
1670298	NC 30 15	15	30	42	1
1670301	NC 30 16	16	30	48	1
1670328	NC 30 17	17	30	55	1
1670336	NC 30 18	18	30	60	1
1670344	NC 30 19	19	30	70	1
1670352	NC 30 20	20	31	75	1
1670360	NC 30 21	21	31	82	1
1670379	NC 30 22	22	32	85	1

Code	No.	AF	mm	mm	mm
1803840	NC 30 1/4AF	1/4	28	20	1
1803859	NC 30 5/16AF	5/16	28	24	1
1803867	NC 30 11/32AF	11/32	28	26	1
1803875	NC 30 3/8AF	3/8	28	26	1

### NC D 30

#### SOCKET NC 3/8" UD profile

- Similar 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, with COROSTOP coating



Code	No.	AF	mm	mm	mm
1803883	NC D 30 7/16AF	7/16	28	30	1
1803891	NC D 30 1/2AF	1/2	28	35	1
1803905	NC D 30 9/16AF	9/16	29	40	1
1884107	NC D 30 19/32AF	19/32	30	42	1
1803913	NC D 30 5/8AF	5/8	30	48	1
1803921	NC D 30 11/16AF	11/16	30	55	1
1803948	NC D 30 3/4AF	3/4	30	70	1



**NC 3087**

**SLIDING T BAR NC 3/8"**

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174 ball locking device
- GEDORE vanadium steel 31CrV3, with COROSTOP coating

10  
3/8"



Code	No.	l-mm	l-inch	U
1670395	<b>NC 3087</b>	163	125	1

**NC 3090**

**EXTENSION NC 3/8"**

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets and accessories with square drive as per DIN 3120, ISO 1174 ball locking device
- GEDORE vanadium steel 31CrV3, with COROSTOP coating

10  
3/8"



Code	No.	l-mm	l-inch	U
1670409	<b>NC 3090-5</b>	125	110	1

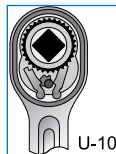


**NC 3093 U-10**

**REVERSIBLE RATCHET NC 3/8"**

- Acc. to DIN 3122, ISO 3315
- With lever change, push-button release
- Locks in middle position
- For hand-operated sockets and accessories with square drive as per DIN 3120 - C 10, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, with COROSTOP coating

10  
3/8"



Code	No.	l-mm	l-inch	U	
1670387	<b>NC 3093 U-10</b>	11,25	200	250	1

**NC 19**

**SOCKET NC 1/2" hexagon**

- 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, with COROSTOP coating

12.5  
1/2"



Code	No.	O-mm	l-mm	l-inch	U
1670417	<b>NC 19 10</b>	10	38.0	50	1
1670425	<b>NC 19 12</b>	12	38.0	55	1
1670433	<b>NC 19 13</b>	13	38.0	60	1
1670441	<b>NC 19 14</b>	14	38.0	62	1
1670468	<b>NC 19 16</b>	16	39.5	68	1
1670476	<b>NC 19 17</b>	17	39.5	70	1
1670484	<b>NC 19 18</b>	18	39.5	72	1
1670492	<b>NC 19 19</b>	19	40.0	80	1
1670506	<b>NC 19 22</b>	22	41.5	100	1
1670514	<b>NC 19 24</b>	24	41.5	110	1
1670522	<b>NC 19 27</b>	27	41.5	150	1
1670530	<b>NC 19 30</b>	30	43.0	200	1
1670549	<b>NC 19 32</b>	32	44.5	210	1

**NC D 19**

**SOCKET NC 1/2" UD profile**

- Similar 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, with COROSTOP coating

12.5  
1/2"  
UNITS DRIVE



Code	No.	G	O-AE	l-mm	l-inch	U
1803727	<b>NC D 19 5/16AF</b>		5/16	38.0	45	1
1803735	<b>NC D 19 11/32AF</b>		11/32	38.0	48	1
1803743	<b>NC D 19 3/8AF</b>		3/8	38.0	58	1
1803751	<b>NC D 19 13/32AF</b>		13/32	38.0	50	1
1803778	<b>NC D 19 7/16AF</b>		7/16	38.0	53	1
1803786	<b>NC D 19 1/2AF</b>		1/2	38.0	60	1
1803794	<b>NC D 19 9/16AF</b>		9/16	38.0	62	1
1803808	<b>NC D 19 19/32AF</b>		19/32	39.5	65	1
1803816	<b>NC D 19 5/8AF</b>		5/8	39.5	68	1
1803824	<b>NC D 19 11/16AF</b>		11/16	39.5	70	1
1803832	<b>NC D 19 3/4AF</b>		3/4	40.0	80	1



**NC 1987**

**SLIDING T BAR NC 1/2"**

- Acc. to DIN 3122, ISO 3315
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, with COROSTOP coating

12.5  
1/2"



Code	No.	l-mm	l-inch	U
1670565	<b>NC 1987</b>	292	350	1

**NC 1990**

**EXTENSION NC 1/2"**

- Acc. to DIN 3123, ISO 3316
- For hand-operated sockets with square drive as per DIN 3120, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, with COROSTOP coating

12.5  
1/2"



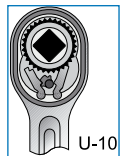
Code	No.	l-mm	l-inch	U
1670573	<b>NC 1990-5</b>	125	225	1
1670581	<b>NC 1990-10</b>	250	500	1

**NC 1993 U-10 T**

**REVERSIBLE RATCHET NC 1/2"**

- Acc. to DIN 3122, ISO 3315
- With recessed lever change
- Push-button release
- 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 12.5, ISO 1174, ball locking device
- GEDORE vanadium steel 31CrV3, with COROSTOP coating

12.5  
1/2"



Code	No.	l-mm	l-inch	U		
1670557	<b>NC 1993 U-10 T</b>	11,25	270	39	700	1

**COROSTOP NC PLIERS**

**NC 137**

**GEDORE GRIP WRENCH NC**

- Forged, hardened and tempered jaws, special jaw shape for secure gripping, clamping and holding
- GEDORE vanadium steel 31CrV3, with COROSTOP coating



Code	No.	l-mm	l-inch	U	
1670050	<b>NC 137 10</b>	240	10	550	1

**NC 145**

**WATER PUMP PLIERS NC**

- 7-way adjustable
- Acc. to DIN ISO 8976, Form A
- Lay-on slip joint and toothed recess
- Induction-rehardened serrated faces, with finger protection
- GEDORE vanadium steel 31CrV3, with COROSTOP coating



Code	No.	l-mm	l-inch	U
1670069	<b>NC 145 10</b>	250	330	1



### NC 8132

#### NEEDLE NOSE PLIERS NC

- Flat-round jaws, straight gripping faces, serrated
- Acc. to DIN ISO 5745
- Induction-hardened precision cutting edges, hardness 61-63 HRC
- GEDORE special hardened and tempered steel, with COROSTOP coating



Code	No.	l mm	t mm	W
1669982	<b>NC 8132-160 J</b>	160	140	1

### NC 8132 AB

#### NEEDLE NOSE PLIERS NC

- Flat-round jaws, angled gripping faces, serrated
- Similar to DIN ISO 5745
- Induction-hardened precision cutting edges
- GEDORE special hardened and tempered steel, with COROSTOP coating



Code	No.	l mm	t mm	W
1884123	<b>NC 8132 AB-160 J</b>	160	140	1

### NC 8210

#### COMBINATION PLIERS NC German pattern

- Lay-on cutter box
- Induction-hardened precision cutting edges, hardness 61-63 HRC
- For medium-hard and hard wire
- Acc. to DIN ISO 5746
- GEDORE special hardened and tempered steel, with COROSTOP coating



Code	No.	l mm	t mm	W
1669966	<b>NC 8210-180 J</b>	180	250	1

### NC 8316

#### POWER SIDE CUTTER NC

- American pattern
- For hard wire, including piano wire
- Induction-hardened precision cutting edges, hardness 63-65 HRC
- Acc. to DIN ISO 5749
- GEDORE special hardened and tempered steel, with COROSTOP coating



Code	No.	l mm	t mm	W
1669974	<b>NC 8316-160 J</b>	160	210	1

## COROSTOP NC PULLER

### NC 1.04

#### PULLER NC 2-arm pattern

- COROSTOP coating protects against corrosion
- Cross-beam reinforces bending moment
- Cantilever hook enhances power
- Quick-action legs
- Spindle with replaceable ball and tip point
- Spindle thermo-chemically hardened
- Upgradeable with hydraulic spindle



Code	No.	l mm	t mm	max. t mm	W
1829521	<b>NC 1.04/1A</b>	130	100	M 14x1,5 x 140	3.0 1.2 1
1829548	<b>NC 1.04/2A</b>	200	150	G 1/2 x 210	5.0 3.4 1
1829556	<b>NC 1.04/3A</b>	350	200	G 3/4 x 280	7.5 8.7 1

### NC 1.04/E

#### PULLING LEGS NC set of 2 pieces

- Fast clamping pulling legs (1 pair) for NC 1.04

Code	No.	l mm	t mm	W
1830104	<b>NC 1.04/AT-E</b>	NC 1.04/1A	100	0.6 1
1830112	<b>NC 1.04/BT-E</b>	NC 1.04/2A	150	0.6 1
1830120	<b>NC 1.04/CT-E</b>	NC 1.04/3A	200	0.6 1

## COROSTOP NC PARTS

### NC 49

#### SPARK PLUG SOCKET WRENCH NC

- With rubber spark-plug gripper and offset bores
- Forged and hardened
- With angled tommy bar no. 49 D Ø 8 mm
- With COROSTOP coating



Code	No.	Ø mm	Ø AF	l mm	W
1669990	<b>NC 49 R</b>	16 x 20,8	5/8 x 13/16	190 170	1
1670018	<b>NC 49 D</b>			75	1

### NC 50 - NC 54

#### SPARK PLUG SOCKET NC

- Retention spring
- For use with socket drivers with 3/8" or 1/2" square drive or Ø 8 mm tommy bar
- GEDORE vanadium steel 31CrV3, with COROSTOP coating



Code	No.	Ø AF	Ø mm	Ø AF	l mm	W
1669869	<b>NC 50</b>	1/2	20.8	13/16	63.5 160	1
1670204	<b>NC 52</b>	3/8	20.8	13/16	63.5 150	1
1670212	<b>NC 53</b>	3/8	16.0	5/8	63.5 100	1
1669885	<b>NC 54</b>	1/2	16.0	5/8	63.5 110	1

### NC 59 GK

#### GLOW PLUG SOCKET 3/8"

- For diesel engines



Code	No.	Ø mm	l mm	W
2000288	<b>NC 59 GK 10x70</b>	10	3/8 70	70 1

### NC 97

#### FLAT COLD CHISEL NC octagonal

- GEDORE chrome-molybdenum-vanadium steel 45CrMoV7, with COROSTOP coating



Code	No.	l mm	W
1670034	<b>NC 97-150</b>	150	110 1

### NC 119

#### PIN PUNCH NC octagonal

- Acc. to DIN 6450, Form C
- GEDORE chrome-molybdenum-vanadium steel 59CrV4C, with COROSTOP coating



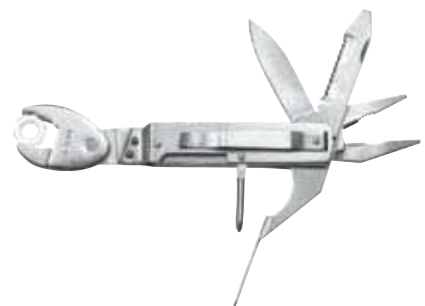
Code	No.	l mm	W
1670042	<b>NC 119-4</b>	150	60 1

## ACCESSORIES

### 4900

#### SAILING TOOL for NAUTIC-Sets 502+503

- Multi-tool, includes:
  - Adjustable wrench 10-19 mm
  - Pliers
  - Knife with screwdriver blade
  - Saw with file
  - Phillips screwdriver, size PH 1
  - Belt clip
- Delivery in wallet



Code	No.	W
1669532	<b>4900</b>	285 1



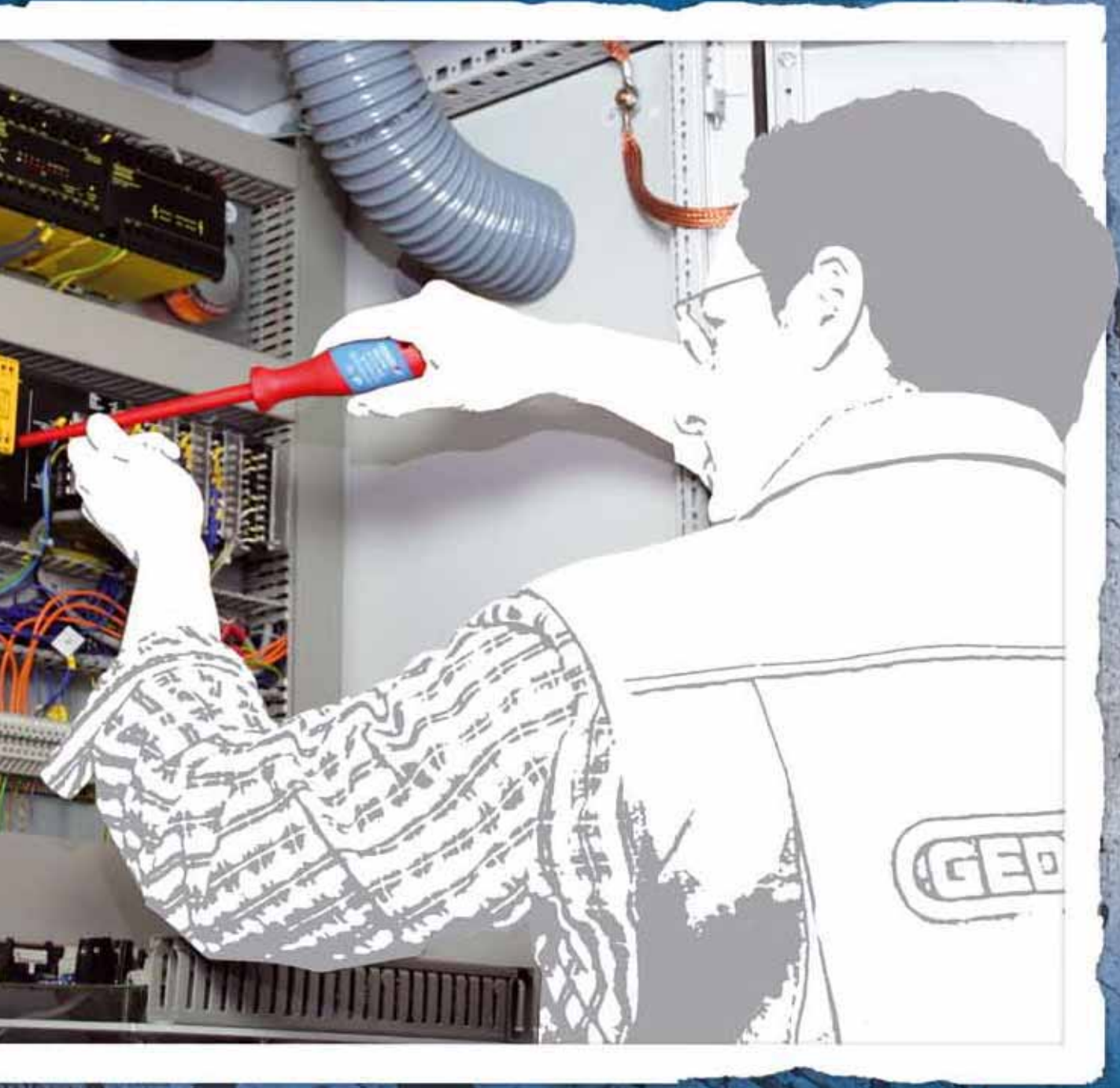
# VDE SPECIAL PURPOSE USE UP TO 1000 V

## OVERVIEW

- ✔ VDE Screwdrivers
- ✔ VDE Ratchets
- ✔ VDE Pliers
- ✔ VDE Sets



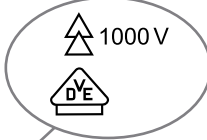




# GEDORE VDE TOOLS



- ▶ 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 (VGB-4) regulation. (The tool must not show any discernable damage).
- ▶ For technical reasons, Check-Tool insulation cannot be applied on tools with sprayed insulation.
- ▶ Tools marked with the double triangle are individually tested = testing at 10000 V AC to EN 60900 / IEC 60900:2004



▶ Only tools with this test mark are considered to be fully safe.



▶ Some items in our VDE accessories range are marked with the usual test mark for protective equipment.



## 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.

For more VDE assortments see page 37





## VDE INSULATED SAFETY TOOLS

# 1000 V

- Only tools bearing this test mark are classed as insulated tools
- VDE insulation to IEC 60900:2004
- Safe working in high-voltage areas
- Up to 1000 V AC (alternating current)
- Up to 1500 V DC (direct current)



Some items in our VDE accessories range are marked with the usual test mark for protective equipment.

## VDE ASSORTMENTS

### VDE 1001

#### VDE TOOL SET 14 pieces

- With practical foam insert in sturdy PVC case
- Dimensions: 360 x 250 x 70 mm

12,5

1/2"



Code	No.	mm	mm	mm	mm
6602560	<b>VDE 1001</b> 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	3.0			1



### VDE 1030

#### VDE TOOL CABINET 108 pieces

- Complete with a selection of VDE tools
- Dimensions: 190 x 500 x 750 mm



Code	No.	mm	mm	mm	mm
6602130	<b>VDE 1030</b> VDE 2133 5 6 7 8 9 10 11 12 13 VDE 19 10 11 12 13 14 15 17 19 22 24 27 30 32 VDE IN 19 5 6 8 VDE 1990-5 -10 VDE 1993 U VDE 2170 2,5 4 5,5 6,5 VDE 2160 PH 0 1 2 VDE 894 10 11 12 13 14 15 16 17 19 VDE 8098-160 H VDE 8132-160 H VDE 8250-160 H VDE 8314-160 H VDE 4507-4 647 1021 4 K-500 6x 1500 H 1 17x 1500 H 2 27x 1500 H 3	46.0			1
5600730	VDE 1030 L Cabinet, empty	28.0			1

## VDE SPANNERS

### VDE 2133

#### VDE SOCKET WRENCH with 3C-handle

- Hanging hole
- Head depth 25 mm, blade length 125 mm  
GEDORE vanadium steel 31CrV3
- With VDE insulation as per DIN EN 60900



Code	No.	mm	mm	mm	mm
1747045	<b>VDE 2133 3</b>	3	225	9	70 1
1747053	<b>VDE 2133 4</b>	4	225	10	70 1
1747061	<b>VDE 2133 5</b>	5	225	11	75 1
1747088	<b>VDE 2133 6</b>	6	225	12	75 1
1747096	<b>VDE 2133 7</b>	7	235	14	105 1
1747118	<b>VDE 2133 8</b>	8	235	15	110 1
1747126	<b>VDE 2133 9</b>	9	235	16	130 1
1747134	<b>VDE 2133 10</b>	10	235	17	130 1
1747142	<b>VDE 2133 11</b>	11	245	19	170 1
1747150	<b>VDE 2133 12</b>	12	245	20	170 1
1747169	<b>VDE 2133 13</b>	13	245	21	180 1
1747177	<b>VDE 2133 14</b>	14	245	22	230 1
1747185	<b>VDE 2133 17</b>	17	245	26	240 1

Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)



### VDE 2 E

#### VDE SINGLE ENDED RING

- SPANNER deep offset
- GEDORE vanadium steel 31CrV3



Code	No.	mm	mm	mm	mm
6035890	<b>VDE 2 E 8</b>	8	170	80	1
6035970	<b>VDE 2 E 9</b>	9	170	80	1
6036000	<b>VDE 2 E 10</b>	10	170	90	1
6036190	<b>VDE 2 E 11</b>	11	180	100	1
6036270	<b>VDE 2 E 12</b>	12	190	110	1
6036350	<b>VDE 2 E 13</b>	13	190	150	1
6036430	<b>VDE 2 E 14</b>	14	210	150	1
6036510	<b>VDE 2 E 15</b>	15	215	150	1
6036780	<b>VDE 2 E 17</b>	17	220	250	1
6036860	<b>VDE 2 E 19</b>	19	240	300	1
6036940	<b>VDE 2 E 22</b>	22	260	300	1
6037080	<b>VDE 2 E 24</b>	24	280	400	1
6037160	<b>VDE 2 E 27</b>	27	295	500	1
6037240	<b>VDE 2 E 30</b>	30	310	500	1
6037320	<b>VDE 2 E 32</b>	32	330	500	1



### VDE 894

#### VDE SINGLE OPEN ENDED SPANNER

- GEDORE vanadium steel 31CrV3



Code	No.	mm	mm	mm	mm
6572040	<b>VDE 894 9</b>	9	105	25	1
6572120	<b>VDE 894 10</b>	10	105	30	1
6572200	<b>VDE 894 11</b>	11	115	35	1
6572390	<b>VDE 894 12</b>	12	125	45	1
6572470	<b>VDE 894 13</b>	13	135	50	1
6572550	<b>VDE 894 14</b>	14	145	60	1
6572630	<b>VDE 894 15</b>	15	150	70	1
6572710	<b>VDE 894 16</b>	16	155	80	1
6572980	<b>VDE 894 17</b>	17	160	85	1
6573010	<b>VDE 894 19</b>	19	175	110	1
6573280	<b>VDE 894 22</b>	22	200	150	1
6573360	<b>VDE 894 24</b>	24	220	210	1
6573440	<b>VDE 894 27</b>	27	245	265	1
6573520	<b>VDE 894 30</b>	30	265	320	1
6574920	<b>VDE 894 32</b>	32	280	400	1

**VDE ACTUATING TOOLS**

**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 1/2" square drive to DIN 3120 - A 12.5, ISO 1174

12.5  
1/2"



1000 V

Code	No.	□"	↳mm↳	↕↔	⊞
6681920	<b>VDE 4507-4</b>	1/2	370	1000	1

**VDE IN 19**

**VDE SCREWDRIVER BIT SOCKET 1/2"**

- Square drive to DIN 3120 - C 12.5, ISO 1174, with ball groove
- Tips made of GEDORE special vanadium steel

12.5  
1/2"



1000 V

Code	No.	□mm	↳mm↳	∅	↕↔	⊞
6124480	<b>VDE IN 19 5</b>	5	106	27	80	1
6124560	<b>VDE IN 19 6</b>	6	106	27	80	1
6124640	<b>VDE IN 19 8</b>	8	106	27	80	1

**VDE 1993 U**

**VDE REVERSIBLE RATCHET**

1/2" with switching lever

- 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

12.5  
1/2"



1000 V

Code	No.	□"	↳mm↳	↕↔	⊞
6123910	<b>VDE 1993 U</b>	1/2	270	540	1



**VDE 1990**

**VDE EXTENSION 1/2"**

- With lock screw to secure the sockets

12.5  
1/2"



1000 V

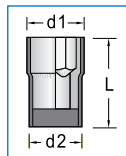
Code	No.	↳mm↳	↕↔	⊞
6124050	<b>VDE 1990-5</b>	125	200	1
6124130	<b>VDE 1990-10</b>	250	350	1

**VDE 19**

**VDE SOCKET 1/2"**

- Hand-operated, square drive to DIN 3120 - C 12.5, ISO 1174
- GEDORE vanadium steel 31CrV3

12.5  
1/2"



1000 V

Code	No.	□mm	d <sub>1</sub>	d <sub>2</sub>	L	↕↔	⊞
6122510	<b>VDE 19 10</b>	10	19.5	27	54.0	55	1
6122780	<b>VDE 19 11</b>	11	20.7	27	54.0	55	1
6122860	<b>VDE 19 12</b>	12	22.0	27	54.0	60	1
6122940	<b>VDE 19 13</b>	13	23.2	27	54.0	60	1
6123080	<b>VDE 19 14</b>	14	24.5	27	54.0	60	1
6123160	<b>VDE 19 15</b>	15	25.7	27	55.5	65	1
1439294	<b>VDE 19 16</b>	16	27.0	27	55.5	65	1
6123240	<b>VDE 19 17</b>	17	28.2	27	55.5	70	1
6123320	<b>VDE 19 19</b>	19	30.7	27	56.0	75	1
6123400	<b>VDE 19 22</b>	22	34.5	27	57.5	100	1
6123590	<b>VDE 19 24</b>	24	37.0	27	57.5	110	1
6123670	<b>VDE 19 27</b>	27	40.7	27	57.5	160	1
6123750	<b>VDE 19 30</b>	30	44.5	27	59.0	190	1
6123830	<b>VDE 19 32</b>	32	47.0	27	60.5	210	1

**VDE 1991**

**VDE EXTENSION 1/2" for VDE IN 19**

- Hollow shaft, specially designed for VDE IN 19 screwdriver bit sockets
- Max. torque 370 N-m

12.5  
1/2"



1000 V

Code	No.	↳mm↳	↕↔	⊞
1507516	<b>VDE 1991</b>	125	207	5

**VDE 1988 - VDE 1989 T**

**VDE T-HANDLE for 1/2" VDE tools**

- VDE 1988 with screw locking
- VDE 1989 T with pull locking

12.5  
1/2"



1000 V

Code	No.	↳mm↳	↕↔	⊞
6124210	<b>VDE 1988</b>	200	400	1
6124720	<b>VDE 1989 T</b>	200	255	1

**VDE SCREWDRIVER**

**VDE 2170**

**VDE SCREWDRIVER**

- for slotted head screws
- Blade tip DIN ISO 2380-1 form A
- With impact-resistant handle

1000 V



1000 V

Code	No.	mm	↕↔	↕↔	↕↔	⊞
1612220	<b>VDE 2170 2,5</b>	0.4	75	155	24	10
1612239	<b>VDE 2170 3</b>	0.5	100	180	28	10
1612247	<b>VDE 2170 3,5</b>	0.6	100	190	39	10
1612255	<b>VDE 2170 4</b>	0.8	100	190	42	10
1612271	<b>VDE 2170 5,5</b>	1.0	125	225	71	10
1612298	<b>VDE 2170 6,5</b>	1.2	150	260	104	10
1612301	<b>VDE 2170 8</b>	1.2	175	195	144	10
1612336	<b>VDE 2170 10</b>	1.6	200	320	176	10

**VDE 2160 PH**

**VDE SCREWDRIVER**

- for cross-slotted head screws PH
- Blade tip to DIN ISO 8764-1 PH
- With impact-resistant handle

1000 V



1000 V

Code	No.	mm	↕↔	↕↔	↕↔	⊞
1612107	<b>VDE 2160 PH 0</b>	M1,6 - M2	60	140	25	10
1612115	<b>VDE 2160 PH 1</b>	M2 - M3	80	180	60	10
1612123	<b>VDE 2160 PH 2</b>	M3,5 - M5	100	210	92	10
1612131	<b>VDE 2160 PH 3</b>	M5,5 - M7	150	270	156	10
1612158	<b>VDE 2160 PH 4</b>	M8 - M10	200	320	235	10



### VDE 2160 PZ

#### VDE SCREWDRIVER

for cross-slotted head screws PZ

- Blade tip to DIN ISO 8764-1 PZ
- With impact-resistant handle



Code	No.	mm	mm	mm	mm
1612166	<b>VDE 2160 PZ 0</b>	M1,6 - M2	60	140	25 10
1612182	<b>VDE 2160 PZ 1</b>	M2 - M3	80	180	60 10
1612190	<b>VDE 2160 PZ 2</b>	M3,5 - M5	100	210	92 10
1612204	<b>VDE 2160 PZ 3</b>	M5,5 - M7	150	270	156 10
1612212	<b>VDE 2160 PZ 4</b>	M8 - M10	200	320	235 10

### VDE 2170-2160 PH-077

VDE SCREWDRIVER SET 7 pieces



Code	No.	mm	mm	mm
1616048	<b>VDE 2170-2160 PH-077</b>	500	1	
	⊖ VDE 2170 2,5 4 5,5 6,5			
	⊕ VDE 2160 PH 0 1 2			

### VDE 4614

#### VOLTAGE TESTER

bipolar with LED display

- 12 - 690 V AC/DC
- Optical warning of life-threatening voltage above 35 V
- Acoustic continuity testing up to 500 KOhm
- Single-pole phase testing > 100 V AC
- Phase sequence indicator
- RCD triggering by automatic load function, Is~30mA, ED (DT) = max. 30 sec.
- CAT IV 1000 V
- TUV / GS tested and approved (IEC/EN 61243-3, DIN VDE 0682, Part 401)



Code	No.	mm	mm
6698220	<b>VDE 4614</b>	186	1



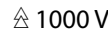
### VDE PLIERS

SB version = SB packaging

#### 180

##### CABLE SHEARS

- Cuts cable up to 35 mm, solid material up to 180 mm<sup>2</sup>
- Not certified acc. to VDE

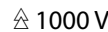


Code	No.	mm	mm	mm
6430330	<b>180 23</b>	620	1500	1

#### V 8091

##### CABLE CUTTER

- For cutting copper and aluminium cables
- V 8091-320: single-strand cable, max. Ø 25 mm (1"), multi-strand cable, max. Ø 32 mm (1.1/4")
- V 8091-500: multi-strand cable, max. Ø 52 mm (2.1/32")



Code	No.	mm	mm	mm
6725130	<b>V 8091-320</b>	280	599	1
6725210	<b>V 8091-500</b>	280	830	1

#### VDE 8094

##### VDE CABLE SHEARS with VDE dipped insulation

- For cutting multi-strand copper and aluminium cables up to Ø 20 mm
- Cutting to Ø 25 mm with first and second cut
- Adjustable screw joint and finger protection
- Not suitable for steel wire or hard-drawn copper wire
- Special tool steel, forged, gunmetal finish



Code	No.	mm	mm	mm
6725050	<b>VDE 8094</b>	200	280	1



### VDE 8098

#### VDE STRIPPING PLIERS with VDE dipped insulation

- Opening stop, spring and brass adjusting screw for wires 0.8 - 6.0 mm<sup>2</sup>
- GEDORE special hardened and tempered steel, chrome-plated



Code	No.	mm	mm	mm
6708980	<b>VDE 8098-160</b>	160	150	1

### VDE 8098 H

#### VDE STRIPPING PLIERS with VDE insulating sleeves

- Opening stop, spring and brass adjusting screw for wires 0.8 - 6.0 mm<sup>2</sup>
- GEDORE special hardened and tempered steel, chrome-plated



Code	No.	mm	mm	mm
1552074	<b>VDE 8098-160 H</b>	160	150	1

Code	No.	mm	mm	mm
1699997	<b>SB VDE 8098-160 H</b>	160	160	1



### VDE 8099

#### VDE STRIPPING PLIERS STRIP-FIX with VDE dipped insulation

- Self-adjusting, for wires 0.5 - 5.0 mm<sup>2</sup>
- GEDORE special hardened and tempered steel, chrome-plated
- E-8099 = Pair of spare knives



Code	No.	mm	mm	mm
6709600	<b>VDE 8099-160</b>	160	170	1
5709580	<b>E-8099</b>	8	1	

**VDE 8099 H**

**VDE STRIPPING PLIERS STRIP-FIX with VDE insulating sleeves**

- Self-adjusting, for wires 0.5 - 5.0 mm<sup>2</sup>
- GEDORE special hardened and tempered steel, chrome-plated



Code	No.	mm	mm	
1552082	<b>VDE 8099-160 H</b>	160	170	1
1700804	<b>SB VDE 8099-160 H</b>	160	180	1

**VDE 146**

**VDE UNIVERSAL PLIERS 7 settings**

- Gripping pliers with safety box joint and finger protection
- GEDORE special chrome-vanadium steel



Code	No.	mm	mm	mm	
6120140	<b>VDE 146 10</b>	250	31	450	1
1699822	<b>SB VDE 146 10</b>	250	31	460	1



**VDE 8250**

**VDE HEAVY DUTY COMBINATION PLIERS with VDE dipped insulation**

- Induction-hardened precision cutting edges, hardness 62-64 HRC, for all wire types
- Industrial grade, constant use
- GEDORE special hardened and tempered steel, chrome-plated



Code	No.	mm	mm	
1429582	<b>VDE 8250-160</b>	160	240	1
6720090	<b>VDE 8250-180</b>	180	280	1
6720250	<b>VDE 8250-200</b>	200	360	1
6720330	<b>VDE 8250-225</b>	225	425	1

**VDE 8250 H**

**VDE HEAVY DUTY COMBINATION PLIERS with VDE insulating sleeves**

- Induction-hardened precision cutting edges, hardness 62-64 HRC, for all wire types
- Industrial grade, constant use
- GEDORE special hardened and tempered steel, chrome-plated



Code	No.	mm	mm	
1550942	<b>VDE 8250-160 H</b>	160	240	1
1550950	<b>VDE 8250-180 H</b>	180	280	1
1550969	<b>VDE 8250-200 H</b>	200	360	1

Code	No.	mm	mm	
1699830	<b>SB VDE 8250-160 H</b>	160	250	1
1699849	<b>SB VDE 8250-180 H</b>	180	290	1
1699857	<b>SB VDE 8250-200 H</b>	200	370	1

**VDE 8314**

**VDE SIDE CUTTER with VDE dipped insulation**

- For medium-hard and hard wire
- Induction-hardened precision cutting edges, hardness 63-65 HRC
- GEDORE special hardened and tempered steel, chrome-plated



Code	No.	mm	mm	
6743540	<b>VDE 8314-140</b>	140	160	1
6743620	<b>VDE 8314-160</b>	160	190	1

**VDE 8314 H**

**VDE SIDE CUTTER with VDE insulating sleeves**

- For hard wire
- Induction-hardened precision cutting edges, hardness 63-65 HRC
- GEDORE special hardened and tempered steel, chrome-plated



Code	No.	mm	mm	
1552155	<b>VDE 8314-140 H</b>	140	160	1
1552163	<b>VDE 8314-160 H</b>	160	190	1

Code	No.	mm	mm	
1699865	<b>SB VDE 8314-140 H</b>	140	170	1
1699873	<b>SB VDE 8314-160 H</b>	160	200	1

**VDE 8315 H**

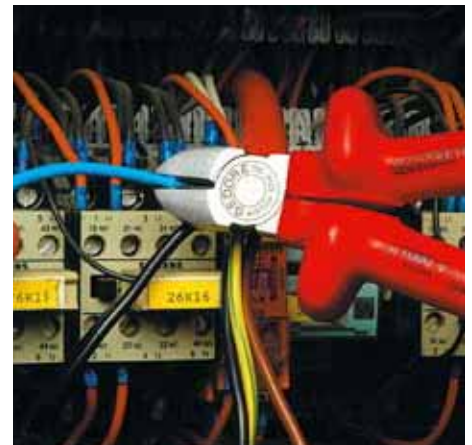
**VDE ELECTRICIANS' SIDE CUTTER with VDE insulating sleeves**

- Double-function electricians' side cutters for cutting and wire stripping
- Stripping holes for single or multi-strand conductors 1.5 and 2.5 mm<sup>2</sup>
- Induction-hardened precision cutting edges
- GEDORE special hardened and tempered steel, chrome-plated



Code	No.	mm	mm <sup>2</sup>	mm	
1742582	<b>VDE 8315-160 H</b>	160	1,6	200	1

Code	No.	mm	mm <sup>2</sup>	mm	
1742698	<b>SB VDE 8315-160 H</b>	160	1,6	210	1



**VDE 8316**

**VDE POWER SIDE CUTTER with VDE dipped insulation**

- For hard wire, including piano wire
- Induction-hardened precision cutting edges, hardness 63-65 HRC
- GEDORE special hardened and tempered steel, chrome-plated



Code	No.	mm	mm	
1429590	<b>VDE 8316-180</b>	180	230	1
6742570	<b>VDE 8316-200</b>	200	350	1





### VDE 8316 H

#### VDE POWER SIDE CUTTER with VDE insulating sleeves

- For hard wire
- Induction-hardened precision cutting edges, hardness 63-65 HRC
- GEDORE special hardened and tempered steel, chrome-plated



Code	No.	l-mm	l-mm	l
1550993	<b>VDE 8316-180 H</b>	180	230	1
1551000	<b>VDE 8316-200 H</b>	200	350	1

Code	No.	l-mm	l-mm	l
1699881	<b>SB VDE 8316-180 H</b>	180	240	1
1699903	<b>SB VDE 8316-200 H</b>	200	360	1



### 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



Code	No.	l-mm	l-mm	l
6717110	<b>VDE 8122-160</b>	160	180	1

### 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



Code	No.	l-mm	l-mm	l
6715330	<b>VDE 8120-160</b>	160	200	1

### 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



Code	No.	l-mm	l-mm	l
1552090	<b>VDE 8120-160 H</b>	160	200	1

Code	No.	l-mm	l-mm	l
1699970	<b>SB VDE 8120-160 H</b>	160	210	1

### VDE 8132

#### VDE NEEDLE NOSE PLIERS with VDE dipped insulation, straight pattern

- Long, flat-round jaws, straight gripping surfaces
- Induction-hardened precision cutting edges, hardness 61-63 HRC
- GEDORE special hardened and tempered steel, chrome-plated



Code	No.	l-mm	l-mm	l
6721570	<b>VDE 8132-160</b>	160	150	1
6721650	<b>VDE 8132-200</b>	200	210	1



### 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



Code	No.	l-mm	l-mm	l
1552104	<b>VDE 8122-160 H</b>	160	180	1

Code	No.	l-mm	l-mm	l
1699989	<b>SB VDE 8122-160 H</b>	160	190	1

### VDE 8132 H

#### VDE NEEDLE NOSE PLIERS with VDE insulating sleeves, straight pattern

- Long, flat-round jaws, straight gripping surfaces
- Induction-hardened precision cutting edges, hardness 61-63 HRC
- GEDORE special hardened and tempered steel, chrome-plated



Code	No.	l-mm	l-mm	l
1552112	<b>VDE 8132-160 H</b>	160	150	1
1552120	<b>VDE 8132-200 H</b>	200	210	1

Code	No.	l-mm	l-mm	l
1699911	<b>SB VDE 8132-160 H</b>	160	160	1
1699938	<b>SB VDE 8132-200 H</b>	200	220	1

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**VDE 8132 AB**

**VDE NEEDLE NOSE PLIERS**  
with VDE dipped insulation, angled pattern

- Long, flat-round jaws, angled gripping surfaces
- Induction-hardened precision cutting edges, hardness 61-63 HRC
- GEDORE special hardened and tempered steel, chrome-plated



Code	No.	l-mm	l-mm	l
6721730	<b>VDE 8132 AB-160</b>	160	150	1
6721810	<b>VDE 8132 AB-200</b>	200	210	1



**VDE 8132 AB H**

**VDE NEEDLE NOSE PLIERS**  
with VDE insulating sleeves, angled pattern

- Long, flat-round jaws, angled gripping surfaces
- Induction-hardened precision cutting edges, hardness 61-63 HRC
- GEDORE special hardened and tempered steel, chrome-plated



Code	No.	l-mm	l-mm	l
1552139	<b>VDE 8132 AB-160 H</b>	160	150	1
1552147	<b>VDE 8132 AB-200 H</b>	200	210	1

Code	No.	l-mm	l-mm	l
1699946	<b>SB VDE 8132 AB-160 H</b>	160	160	1
1699962	<b>SB VDE 8132 AB-200 H</b>	200	220	1

**VDE 8133 H**

**VDE TRIPLE PLIERS**

- Flat-round tapered jaws
- With wire cutter and stripper
- For stripping and crimping of 0.5/1.5 and 2.5 mm<sup>2</sup>
- Crimper for conductor end-sleeves, with normal long nose

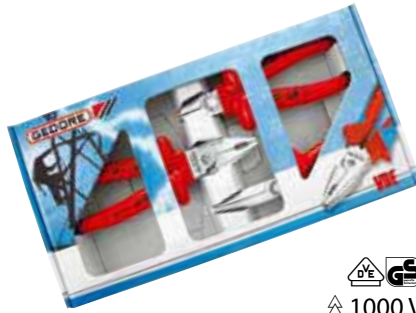


Code	No.	l-mm	l-mm	l
1997386	<b>VDE 8133-180 H</b>	180	190	5

Code	No.	l-mm	l-mm	l
2011468	<b>SB VDE 8133-180 H</b>	180	200	5

**VDE S 8003**

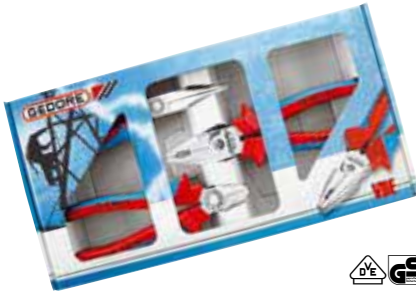
**VDE PLIERS SET WITH VDE DIPPED INSULATION** 3 pieces



Code	No.	l-mm	l
6708120	<b>VDE S 8003</b> <b>VDE 8132-160</b> <b>VDE 8250-180</b> <b>VDE 8314-160</b>	740	1

**VDE S 8003 H**

**VDE PLIERS SET WITH VDE INSULATING SLEEVES** 3 pieces



Code	No.	l-mm	l
1550594	<b>VDE S 8003 H</b> <b>VDE 8132-160 H</b> <b>VDE 8250-180 H</b> <b>VDE 8314-160 H</b>	740	1

**RZB1-17**

**VDE TOOL SET** 8 pieces



Code	No.	l-mm	l
1828045	<b>RZB1-17</b> <b>VDE 8132-200 H</b> <b>VDE 8250-180 H</b> <b>VDE 8314-160 H</b> <b>VDE 2170 4 5,5</b> <b>VDE 2160 PH 1 2</b> <b>4615 3</b>	1700	1

**RZB2-5**

**VDE PLIERS SET** 3 pieces



Code	No.	l-mm	l
1708244	<b>RZB2-5</b> <b>VDE 8098-160 H</b> <b>VDE 8250-180 H</b> <b>VDE 8314-160 H</b>	835	1

**RZB2-11**

**VDE PLIERS SET** 3 pieces



Code	No.	l-mm	l
1692291	<b>RZB2-11</b> <b>VDE 8132-160 H</b> <b>VDE 8250-180 H</b> <b>VDE 8314-160 H</b>	865	1







## VDE ACCESSORIES

### VDE 910

#### VDE RUBBER COVER SHEET

► VDE protective equipment to VDE 0680, Part 1



Code	No.	L	W	↕	📦
1826816	<b>VDE 910 13</b>	130	130	40	1
1826832	<b>VDE 910 25</b>	250	350	210	1
1827030	<b>VDE 910 50</b>	500	500	430	1
1828193	<b>VDE 910 60</b>	600	600	700	1
1828207	<b>VDE 910 100</b>	1000	1000	1800	1
1828215	<b>VDE 910 120</b>	1200	1200	2950	1

### VDE 910

#### VDE RUBBER COVER SHEET 10 M ROLL



Code	No.	W	↕	📦
1828223	<b>VDE 910 1000</b>	1000	18.6	1
1828231	<b>VDE 910 1200</b>	1200	25.6	1

### VDE 911

#### VDE INSULATION MAT

► VDE protective equipment to VDE 0303



Code	No.	L	W	↕	📦
1828258	<b>VDE 911 100</b>	1000	1000	6.0	1
1828266	<b>VDE 911 1000</b>	10000	1000	60.0	1



### VDE 912

#### VDE ELECTRICIANS' SAFETY GLOVES

► To DIN EN 60903



⚡ 1000 V

Code	No.	↕	📦
1828274	<b>VDE 912 9</b>	215	1
1828282	<b>VDE 912 10</b>	215	1

### VDE 912

#### UNDER-GLOVES for VDE 912



Code	No.	↕	📦
1828290	<b>VDE 912 50</b>	50	1

### VDE 913

#### VDE PLASTIC CLAMP

► VDE protective equipment to VDE 0680, Part 1



Code	No.	↔ (mm)	↕	📦
1828304	<b>VDE 913 80</b>	80	30	1
1828312	<b>VDE 913 160</b>	160	70	1

## VDE VARIOUS

### VDE 4522

#### VDE CABLE KNIFE

► Strong, straight blade made from hardened and tempered steel  
► Tough, resilient plastic handle



⚡ 1000 V

Code	No.	↔	↔	↕	📦
6690400	<b>VDE 4522</b>	50	180	70	5

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### VDE 4527

#### VDE CABLE KNIFE with hooked blade

► For slitting and stripping damp-proof installation cables  
► With blade protector



⚡ 1000 V

Code	No.	↔	↔	↕	📦
6698490	<b>VDE 4527</b>	40	203	100	1

### V 406

#### VDE HACKSAW

► For pinned hacksaw blades, 148 mm  
► Insulated handle



⚡ 1000 V

Code	No.	↔ (mm)	↕	📦
6120060	<b>V 406</b>	265	180	1





# FOR SPECIAL PURPOSES SPECIALISED TOOLS



## OVERVIEW

- ✔ Screw clamps
- ✔ Automotive tools
- ✔ Four-way wheel braces
- ✔ Spark plug wrenches
- ✔ Panel beating tools
- ✔ Special purpose tools
- ✔ Saws
- ✔ Metalworking vices
- ✔ Measuring tools
- ✔ Workshop and work lights



## ON REQUEST:

- ▶ Ideal for service, maintenance and repair work
- ▶ Universal multi-use kit
- ▶ Metric and/or imperial tools
- ▶ With Check-Tool system

Mobile tool cabinet and tool chest with  
365-piece MOTORCYCLE tool set

**365-pcs.**



Mobile tool cabinet with 258-piece  
CAR tool set

**258-pcs.**

## CHECK-TOOL-SYSTEM

- ▶ 2-colour plastic insert provides easy optical check of completeness
- ▶ Ideally suited for use in sensitive areas, where it is essential to ensure 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





## AUTOMOTIVE TOOLS

### TYRE FITTING / REMOVAL

- For the controlled tightening of wheel nuts or studs, we recommend torque wrenches on pages 304 and onwards
- For truck wheels, we specially recommend the DR-LKW torque wrench
- For tightening and wrench sizes see tables in annex

### FOUR-WAY WHEEL WRENCH

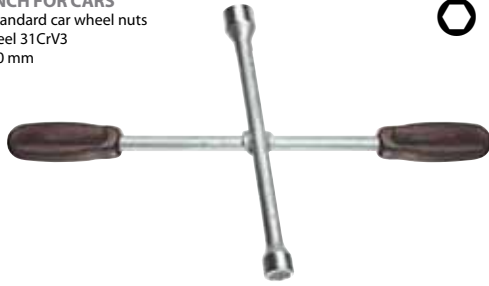
- Hot forged hexagon
- The collar, typical of GEDORE 4-way wheel wrenches, enlarges the welding area. The positive-fit joint remains solid even under extreme loading.



#### 28 PKH

##### 2-WAY WHEEL WRENCH FOR CARS

- Car-boot tool for all standard car wheel nuts
- GEDORE vanadium steel 31CrV3
- Dimensions: 410 x 260 mm

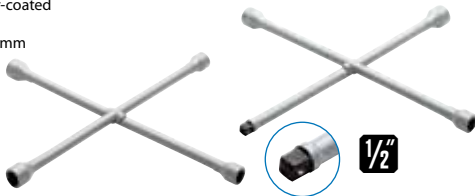


Code	No.	Ø mm	Ø mm	Weight	Units
6227290	<b>28 PKH</b>	17x19 (3/4")	26x28,5	1000	1

#### 28 PU

##### 4-WAY WHEEL WRENCH FOR CARS

- For car wheel nuts in metric and inch sizes
- Acc. to DIN 3119, ISO 6788
- GEDORE vanadium steel 31CrV3
- GEDORIT silver powder-coated
- CS = chrome-plated
- Dimensions: 420 x 420 mm

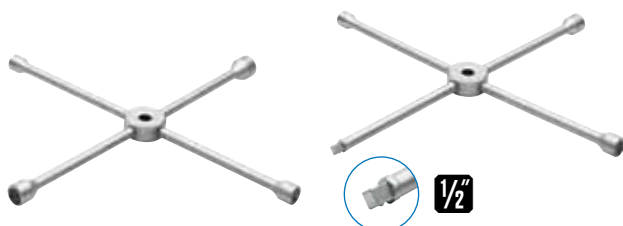


Code	No.	Ø mm	Ø mm	Weight	Units
6227610	<b>28 PU</b>	17x19 (3/4")x21x11/16"	26x28,5x30,5x26	1250	1
6227960	<b>28 PU CS</b>	17x19 (3/4")x21x11/16"	26x28,5x30,5x26	1250	1
6228260	<b>28 PUV</b>	17x19 (3/4")x21x1/2" 4kt	26x28,5x30,5x17,5	1100	1

#### 28 PR

##### UNIVERSAL 4-WAY WHEEL WRENCH for cars and small trucks

- Acc. to DIN 3119, ISO 6788
- Solid turned centre
- GEDORE vanadium steel 31CrV3, chrome-plated
- Dimensions: 550 x 550 mm



Code	No.	Ø mm	Ø mm	Weight	Units
6227530	<b>28 PR</b>	17x19 (3/4")x21x24	26x28,5x30,5x35,5	2000	1
6227880	<b>28 PRV</b>	17x19 (3/4")x21x1/2" 4kt	26x28,5x30,5x17,5	2200	1

#### 28 CU

##### 4-WAY WHEEL WRENCH FOR SMALL TRUCKS

- Acc. to DIN 3119, ISO 6788
- GEDORE vanadium steel 31CrV3
- GEDORIT silver powder-coated
- Dimensions: 600 x 600 mm

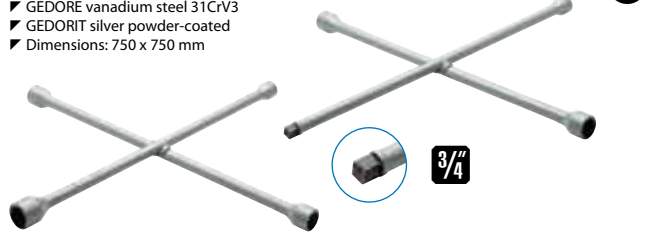


Code	No.	Ø mm	Ø mm	Weight	Units
6228500	<b>28 CU</b>	19x24x22x27 (3/4x15/16x7/8x1.1/16")	28,5x32x34,5x38,5	2250	1

#### 28 L

##### 4-WAY WHEEL WRENCH FOR TRUCKS

- Acc. to DIN 3119, ISO 6788
- GEDORE vanadium steel 31CrV3
- GEDORIT silver powder-coated
- Dimensions: 750 x 750 mm

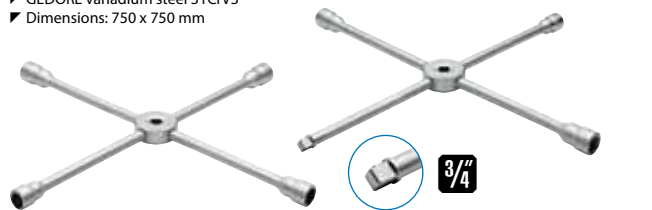


Code	No.	Ø mm	Ø mm	Weight	Units
6228770	<b>28 LM</b>	24x27x30x32	34,5x38,5x42x45	5100	1
6228850	<b>28 L</b>	24x27x32x38	34,5x38,5x45x52	5100	1
6229150	<b>28 LV</b>	24x32x27x3/4" 4kt	34,5x45x38,5x26	4900	1

#### 28 LR

##### 4-WAY WHEEL WRENCH FOR TRUCKS

- Turned centre
- GEDORE vanadium steel 31CrV3
- Dimensions: 750 x 750 mm



Code	No.	Ø mm	Ø mm	Weight	Units
6228930	<b>28 LR</b>	27x30x32x33	40x44x46x46	6120	1
6228420	<b>28 LRV</b>	27x30x32x3/4" 4kt	40x44x46x26	5800	1

#### 28 LRZ

##### 4-WAY WHEEL WRENCH FOR TRUCKS

- With plug-in arms and pin locking
- GEDORE vanadium steel 31CrV3
- Dimensions: 750 x 750 mm
- Sturdy metal case with handle



Code	No.	Contents	Weight	Units
6228690	<b>28 LRZ</b>	<b>E-28 LRZ-MS -DS -3/4" -27 -32</b> <b>2161 PH 1</b>	7.0	1

Code	No.	Description	Length (mm)	Ø	Weight	Units
6224430	<b>E-28 LRZ-MS</b>	Centre piece	35	88	1200	1
6224510	<b>E-28 LRZ-DS</b>	Lever handle	354	22	1000	1
6224780	<b>E-28 LRZ-3/4</b>	Arm 3/4"	354	26	1050	1
6224860	<b>E-28 LRZ-24</b>	Arm 24 mm	354	36	1060	1
6224940	<b>E-28 LRZ-27</b>	Arm 27 mm	354	40	1100	1
6225080	<b>E-28 LRZ-30</b>	Arm 30 mm	354	44	1130	1
6225160	<b>E-28 LRZ-32</b>	Arm 32 mm	354	46	1150	1
1482440	<b>2161 PH 1</b>	Screwdriver	75	30	10	



**28 PX**

**DOUBLE ENDED WHEEL WRENCH**

With extra long shaft and offset heads



Code	No.	Ø mm	Ø mm	↕	☒
6228340	<b>28 PX</b>	17x19 (3/4")	26x28,5	770	1

**27**

**WHEEL SOCKET WRENCH FOR TRUCKS**

With great head depth, for protruding bolts, excluding tommy bar  
 GEDORE vanadium steel 31CrV3  
 Please order tommy bar 27 D separately



Code	No.	Ø mm	Ø AF	L	↕	☒
6225240	<b>27 24x27</b>	24 x 27	15/16 x 1.1/16	400	1100	1
6220010	<b>27 27x32</b>	27 x 32		400	1250	1
6220280	<b>27 28x32</b>	28 x 32		400	1300	1
6220360	<b>27 28x33</b>	28 x 33		400	1350	1
6225910	<b>27 30x32</b>	30 x 32	1.3/16 x 1.1/4	400	1300	1
6220440	<b>27 30x33</b>	30 x 33		400	1450	1
6225400	<b>27 32x38</b>	32 x 38	1.1/4 x 1.1/2	400	1600	1
6227100	<b>27 D</b>			630	1250	1

**38**

**TYRE LEVER**

Solid-forged  
 With protective surfaces for light-alloy wheels  
 GEDORE vanadium steel 31CrV3



Code	No.	↕ mm	↕ inch	↕	☒
6332320	<b>38 8</b>	200	8	120	10
6332400	<b>38 12</b>	305	12	200	10
6332670	<b>38 16</b>	400	16	390	10
6332830	<b>38 20</b>	500	20	600	1
6332910	<b>38 24</b>	610	24	950	1

**39**

**TYRE LEVER heavy-duty pattern, for trucks**

Heavy-duty, offset pattern  
 GEDORE vanadium steel 31CrV3

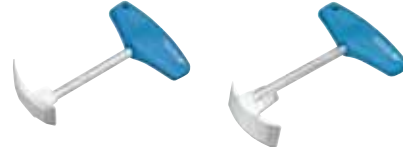


Code	No.	↕ mm	↕ inch	↕	☒
6333050	<b>39</b>	610	24	1400	1

**631**

**HUBCAP REMOVING TOOL**

To remove hubcaps without damage



Code	No.	↕ mm	↕ inch	↕	☒
6520830	<b>631</b>	150	170		1

**8276**

**BALANCE WEIGHT PLIERS**

GEDORE vanadium steel 31CrV3



Code	No.	↕ mm	↕ inch	↕	☒
6739350	<b>8276-250 C</b>	250	10	300	1

**BRAKES**

**135**

**BRAKE SPRING PLIERS**

For drum brakes  
 With special holder and support crown, particularly suitable for adhesive brake linings  
 GEDORE vanadium steel 31CrV3, chrome-plated



Code	No.	↕ mm	↕ inch	↕	☒
6405300	<b>135 13</b>	330	13	370	1
6405490	<b>135 19</b>	480	19	850	1

**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



Code	No.	↕ mm	↕ inch	↕	☒
6400180	<b>135 20</b>	500	20	1200	1
5400480	<b>E-135 20</b>			40	1



**1600**

**PLIERS FOR BRAKE CABLE SPRINGS**

For the installation and removal of handbrake cables



Code	No.	↕ mm	↕ inch	↕	☒
6630340	<b>1600-402</b>	227	8.1/2	175	1

**643**

**BRAKE CALIPER BRUSH**

For cleaning all brake calipers



Code	No.	↕ mm	↕ inch	↕	☒
6531440	<b>643</b>	225	64	5	

**8726**

**BRAKE CALIPER FILE**



Code	No.	↕ mm	↕ inch	↕	☒
6770780	<b>8726</b>	260	10	150	1

**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



Code	No.	↕ mm	↕	☒
6464580	<b>299</b>	220	450	5

**298-00 / -02**

**OIL CAN**

**298-00 / -01** Plastic oil can with sliding brass tube and cap  
**298-02** simple oil can in plastic



Code	No.	Litre	Pint	↕	☒
6390010	<b>298-00</b>	0.250	1/2	90	1
6390280	<b>298-01</b>	0.125	1/4	70	1
6390360	<b>298-02</b>	0.025	1/16	10	1

**298-04****OIL CAN**

- Strong, cast iron pattern with pump, 300 ml



Code	No.	Litre	Pint	↕	📦
6390520	<b>298-04</b>	0.3	5/8	480	1

**298-05****OIL CAN**

- For working in every position
- With double-stroke metal pump
- Strong, cast iron pattern, 300 ml



Code	No.	Litre	Pint	↕	📦
6390600	<b>298-05</b>	0.3	5/8	365	1

**V-BELTS, FILTERS****37****UNIVERSAL FILTER WRENCH**

- For all standard oil filters and round screwed unions
- 37** with handle
- 37 V** with 1/2" square drive



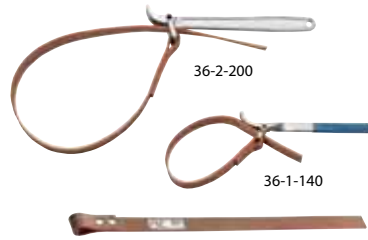
Code	No.	mm	mm (appr.)	↕	📦
6327670	<b>37</b>	80-110	285	270	1
6327750	<b>37 V</b>	80-110	150	200	1

Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)

**36****STRAP WRENCH**

- With strong, non-slip fabric strap, extra wide = 25 mm
- 36 1-140** made from C45 steel
- 36 2-200** made from GEDORE vanadium steel 31CrV3
- E-36 = Spare straps



Code	No.	↕ mm	∅ mm	∅ inch	↕	📦
6327320	<b>36 1-140</b>	220	140	9/64	220	1
6327400	<b>36 2-200</b>	285	200	13/64	470	1
5327380	<b>E-36 1-140</b>	480		30		1
5327460	<b>E-36 2-200</b>	900		80		1

**36 Z****SPECIAL STRAP WRENCH**

- For tightening and holding pulley wheels



Code	No.	↕ mm	∅ mm	∅ inch	↕	📦
6320070	<b>36 Z-140</b>	257	160	5/32	350	1
1380613	<b>E-36 Z-140</b>			80		1

**PISTONS, VALVES****654****VALVE GRINDER**

- With automatic reversal of lapping direction
- For use in hand drills
- Supplied with suction cups 652-20, -25, -30, -37



Code	No.	↕ mm	∅ mm	↕	📦
6535270	<b>654</b>	135	65	750	1

**653****VALVE LAPPING TOOL**

- Hand-held type with suction cup 652-25



Code	No.	↕ mm	∅ mm	↕	📦
6532680	<b>653</b>	225	25	50	1

**652****SPARE RUBBER SUCTION CUP for 653 and 654**

Code	No.	↕ mm	∅ mm	↕	📦
6530120	<b>652-20</b>	38	20	10	1
6532410	<b>652-25</b>	38	25	10	1
6530200	<b>652-30</b>	38	30	15	1
6530390	<b>652-37</b>	38	37	15	1

**124****PLIERS FOR VALVE SEALS**

- For removing valve-shaft sealing rings and valve spring supports
- For VW-Audi, BMW, DB, Opel, Ford, Nissan etc.
- Handles chrome-plated



Code	No.	↕ mm	↕ inch	↕	📦
6399310	<b>124</b>	250	10	350	1

**128****VALVE SPRING COMPRESSOR**

- For OHV engines
- One straight and one offset claw



Code	No.	↕ mm	↕ inch	mm	inch	↕	📦
6398500	<b>128 2-225</b>	290	11.1/2	60-225	2.3/8-9	1.2	1
6398690	<b>128 1-280</b>	390	15	120-280	4.3/4-11.1/2	3.3	1



**E-128**

**SPARE HOOKS (PAIR)**



Code	No.	↔mm↔	↔inch↔	⌀mm	⌀inch	↕	📦
5398720	<b>E-128 1</b>					111	1
Spare hooks, pair, straight pattern							
5398560	<b>E-128 2</b>					118	1
Spare hooks, pair, straight pattern							
5398990	<b>E-128 1A</b>					114	1
Spare hooks, pair, offset pattern							
5398640	<b>E-128 2A</b>					116	1
Spare hooks, pair, offset pattern							

**125**

**PISTON RING COMPRESSOR**

- ▶ In special band spring steel, with continuous adjustment
- ▶ With clamping wrench



Code	No.	↔mm↔	↔inch↔	⌀mm	⌀inch	↕	📦
6396720	<b>125 0</b>	50	2	40-75	1.1/2-3	120	1
6396800	<b>125 1</b>	80	3	57-125	2.1/4-4	310	1
6396990	<b>125 2</b>	80	3	90-175	3.1/2-7	350	1
6397020	<b>125 3</b>	165	6.1/2	90-175	3.1/2-7	650	1

**126**

**PISTON RING PLIERS**

- ▶ With prism gripper for secure fitting of piston rings
- ▶ With adjusting screw



Code	No.	↔mm↔	↔inch↔	⌀mm	⌀inch	↕	📦
6397100	<b>126 0-60</b>	210	8.1/4	30-60	1.3/16-2.3/8	160	1

**126**

**PISTON RING PLIERS**

- ▶ For secure fitting of piston rings
- ▶ Handles with blue sleeves



Code	No.	↔mm↔	↔inch↔	⌀mm	⌀inch	↕	📦
6397370	<b>126 1-100</b>	200	8	55-100	2.3/16-4	250	1
6397450	<b>126 2-120</b>	240	9.1/2	80-120	3.5/32-4.3/4	410	1
6397530	<b>126 3-160</b>	240	9.1/2	110-160	4.5/16-6.5/16	410	1

**127**

**PISTON RING PLIERS**

- ▶ With prism gripper for safe piston ring spreading
- ▶ Special steel
- ▶ Hardened prism gripper
- ▶ Gunmetal finished tips



Code	No.	↔mm↔	↔inch↔	⌀mm	⌀inch	↕	📦
6397610	<b>127</b>	220	8.5/8	60-160	2.3/8-6.5/16	200	1

**132**

**HOSE CLAMP PLIERS**

- ▶ For self-clamping hose clips
- ▶ Chrome-plated handles



Code	No.	↔mm↔	↔inch↔	↕	📦
6399900	<b>132</b>	220	8.3/4	185	1

**132-2/-3**

**HOSE CLAMP PLIERS**

- ▶ With rotating v-jaws for spring hose clamps
- ▶ For use on VAG-vehicles (e.g. VW, Audi, Skoda, Seat)
- ▶ Particularly suitable for barely-accessible places
- ▶ Made from steel sheet, nickel-plated



Code	No.	↔mm↔	↕	📦
1894382	<b>132-2</b>	207	192	1
1894390	<b>132-3</b>	195	165	1

**132 CLIC**

**HOSE CLAMP PLIERS**

- ▶ For CLIC-R hose clamps
- ▶ Ground, bright nickel-plated, joint gunmetal finished
- ▶ Forged, for clip sizes 5 - 30 mm



Code	No.	↔mm↔	↕	📦
1396714	<b>132 CLIC</b>	180	215	1

**132-4 CLIC**

**HOSE CLAMP PLIERS**

- ▶ With revolving locking bolts for CLIC hose clamps
- ▶ In sheet steel, nickel-plated



Code	No.	↔mm↔	↕	📦
1894404	<b>132-4</b>	210	181	1

**134**

**HOSE CLAMP PLIERS**

- ▶ Self-adjusting joint, DBGM (= German utility patent)
- ▶ Angled jaw
- ▶ Bright nickel-plated, joint gunmetal finished

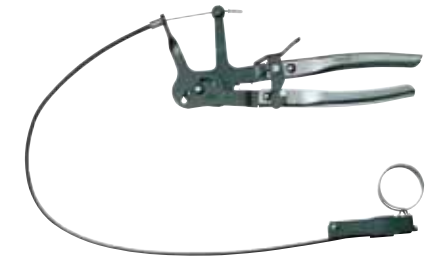


Code	No.	↔mm↔	↕	📦
6391330	<b>134</b>	180	410	1

**134 B**

**HOSE CLAMP PLIERS**

- ▶ Bowden-cable operation
- ▶ Self-adjusting joint, DBGM (= German utility patent)
- ▶ Angled jaw
- ▶ Bright nickel-plated, joint gunmetal finished



Code	No.	↔mm↔	↕	📦
6390950	<b>134 B</b>	180	580	1







## ELECTRIC SYSTEM

### S 89

#### TERMINAL-EXTRACTION TOOLS

- Tools for the damage-free removal of contacts in cable looms
- S 8905** - Basic set 5 pieces for cars
- S 8910 UNI** - Universal set 10 pieces for cars and trucks
- S 8910 LKW** - 10 pieces for trucks and HGV



Code	No.	STW	EM
1976443	<b>S 8905</b>	414	
1976451	<b>S 8910 UNI</b>	752	
1976478	<b>S 8910 LKW</b>	765	

### 4612

#### VOLTAGE TESTER

- For 6-48 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
- Degree of protection IP40, protection class III



Code	No.	STW	EM
1881647	<b>4612</b>	120	1

### 610

#### BATTERY SERVICING TOOLS 13 pieces

- Large assortment of tools for battery care and servicing
- In steel case with two plastic trays
- Dimensions: 400 x 220 x 140 mm



Code	No.	STW	EM
6523260	<b>610</b>	3950	1
Open ended spanner No. 6 10x13 Water pump pliers No. 145 10 C Screwdriver No. 2150 6.5 Cleaning brush No. 601 Cell filler No. 604 Acid tester No. 605 Battery terminal puller No. 1.12/01 Battery terminal opener No. 607 Battery carrying strap No. 609 Universal canister No. 611 Plastic box No. 611 A Cable knife No. 4522 Insulating tape No. 4629			

### 601 - 609

#### BATTERY SERVICING TOOLS



601



607



604



605



609

Code	No.	STW	EM
6522100	<b>601</b> Battery cleaning brush	100	5
6522450	<b>604</b> Battery cell filler	30	5
6522530	<b>605</b> Battery acid tester	150	1
6522880	<b>607</b> Terminal opener	160	1
6523180	<b>609</b> Battery carrying belt	160	1



more automotive assortments are listed on page 41-53



### 622

#### BATTERY TESTER

- To measure the battery voltage at a current of approx. 100 A at 12 V and 50 A at 6 V
- Analogue indicator
- For various battery sizes and types



Code	No.	STW	EM
6524580	<b>622</b>	650	1

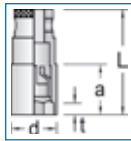


**SPARK PLUGS**

**50 - 57**

**SPARK PLUG SOCKET**

- With retention spring
- GEDORE vanadium steel 31CrV3, chrome-plated

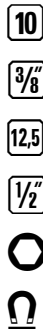
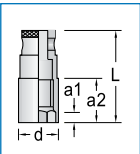


Code	No.	Ømm	ØFAF	□"	L	±	⊞
6361690	<b>50</b>	20.8	13/16	1/2	63.5	160	10
6362580	<b>52</b>	20.8	13/16	3/8	63.5	150	5
6362740	<b>53</b>	16.0		3/8	63.5	100	5
6363040	<b>54</b>	16.0		1/2	63.5	110	10
6361770	<b>56</b>	18.0		3/8	63.5	115	5
6361930	<b>57</b>	18.0		1/2	63.5	130	5

**50 MH - 59 MH**

**SPARK PLUG SOCKET**

- With two magnets
- GEDORE vanadium steel 31CrV3, chrome-plated



Code	No.	Ømm	ØFAF	□"	L	±	⊞
6361420	<b>50 MH</b>	20.8	13/16	1/2	63.5	95	5
6361500	<b>52 MH</b>	20.8	13/16	3/8	63.5	110	5
6363390	<b>53 MH</b>	16.0		3/8	63.5	100	5
6363470	<b>54 MH</b>	16.0		1/2	63.5	85	5
6361850	<b>56 MH</b>	18.0		3/8	63.5	120	5
6362150	<b>57 MH</b>	18.0		1/2	63.5	135	5
6366220	<b>59 MH</b>	13.0		3/8	63.5	80	1

**Safety notes**

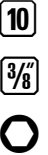
- For engines with ignition coils integrated in the spark-plug connector (coil-on-plug), use only spark-plug sockets with retainer springs! (Nos. 50 - 59)
- Do not use magnetic spark-plug spanners on coil-on-plug spark plugs!
- This can result in control unit faults!



**59 GK**

**GLOW PLUG SOCKET 3/8"**

- For diesel engines

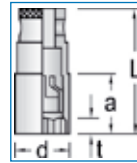


Code	No.	Ømm	□"	L	±	⊞
1897446	<b>59 GK 10x70</b>	10	3/8	70	70	1

**D 55**

**SPARK PLUG SOCKET 3/8" UD profile**

- With retention spring and bore for tommy bar Ø 8 mm



Code	No.	Ømm	□"	L	±	⊞
1793586	<b>D 55</b>	14	3/8	63.5	90	1

**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
- GEDORIT blue steel case



Code	No.	±	⊞
1795554	<b>S 51 GU</b> 52 MH 53 MH 56 MH 59 MH <b>D 55</b> 3093 GU-3 3090-3 -5 -10 3095	2350	1



Deviant packing units see article description.



### S 56 U-10 K

#### SET OF SPARK PLUG SOCKETS 3/8" 8 pieces

- ▶ Compact plastic ratchet
- ▶ 3 spark plug sockets with magnets, 1 extension
- ▶ Feeler gauge, spark-plug brush and magnetic pick-up tool
- ▶ With maintenance accessories
- ▶ GEDORE vanadium steel 31CrV3, chrome-plated

10

3/8"



Code	No.	mm	AF
1795570	<b>S 56 U-10 K</b> 52 MH 53 MH 56 MH 3093 U-10 K 3090-7 640-500 648 702 20 M	1850	1

### D 48

#### SPARK PLUG SOCKET WRENCH

- ▶ Double-sided
- ▶ Solid forged
- ▶ Swivelling handle
- ▶ GEDORE vanadium steel 31CrV3, chrome-plated



Code	No.	mm	AF	L <sub>1</sub>	mm	mm
6360100	<b>D 48</b>	16 x 20,8	5/8 x 13/16	232	215	5

### DS 49

#### SPARK PLUG SOCKET WRENCH

- ▶ With rubber spark-plug gripper and offset bores
- ▶ Forged and hardened, chrome-plated
- ▶ With angled tommy bar No. 49 D Ø 8 mm



Code	No.	mm	AF	L	mm	mm
6361340	<b>DS 49 R</b>	16 x 20,8	5/8 x 13/16	190	245	1
6360530	<b>49 D</b> Tommy bar			175	75	5
6361260	<b>49 R</b> Spark plug socket wrench			190	170	5

### 58

#### SPARK PLUG SOCKET WRENCH

- ▶ With retention spring and joint
- ▶ GEDORE vanadium steel 31CrV3, chrome-plated

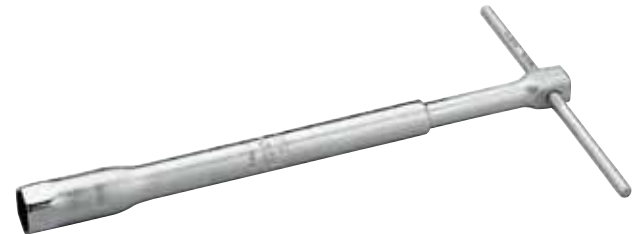


Code	No.	mm	AF	L	mm	mm
6363200	<b>58 16</b>	16.0	5/8	500	400	1
6363120	<b>58 20,8</b>	20.8	13/16	500	455	1

### PR 265 - PR 345

#### SPARK PLUG SOCKET WRENCH

- ▶ With tommy bar 26 D 8 and 1/2" square drive
- ▶ Particularly suitable for RENAULT and PEUGEOT



Code	No.	mm	AF	L	mm	mm
6646340	<b>PR 265</b>	16.0	5/8	270	250	1
6646930	<b>PR 345</b>	20.8	13/16	327	700	1

### 647 - 648

#### SPARK PLUG BRUSH

- ▶ With plastic handle and brass wire bristles



Code	No.	mm	mm	mm
6531950	<b>647</b>	180	15	10
6532090	<b>648</b>	100	5	5





**121-3**

**SUCTION CUP LIFTER with 3 cups**  
 ✓ 3 fixed heads  
 ✓ Lifting capacity 100 kg



Code	No.	Ø	↕	⊞
6390790	<b>121-3</b>	120	1380	1

**641**

**CLAW GRIPPER**  
 ✓ With flexible shaft  
 ✓ Max. gripping capacity 14 mm



Code	No.	↕mm↕	Ø	↕	⊞
6531520	<b>641</b>	540	7	100	1

**LIFTERS**

**121**

**SUCTION CUP LIFTER with 2 cups**  
 ✓ 2 fixed heads with suction mechanism and safety locking  
 ✓ Oil and acid-resistant ABS  
 ✓ Lifting capacity 60 kg



Code	No.	↕mm↕	Ø	↕	⊞
6391090	<b>121</b>	325	120	1255	1

**121 G**

**SUCTION CUP LIFTER with 2 cups**  
 ✓ As 121 but with hinged suction heads  
 ✓ Lifting capacity 45 kg



Code	No.	↕mm↕	Ø	↕	⊞
6391170	<b>121 G</b>	390	120	1255	1

**121 G-3**

**SUCTION CUP LIFTER with 3 cups**  
 ✓ 3 hinged suction heads made from oil and acid-resistant ABS  
 ✓ For curved glass and panels  
 ✓ Lifting capacity 100 kg



Code	No.	Ø	↕	⊞
6390870	<b>121 G-3</b>	120	1275	1

**640**

**MINI MAGNETIC LIFTER**  
 ✓ Flexible thin shaft for the smallest apertures



Code	No.	↕mm↕	Magnet-Ø	Ø	↕	⊞
6530630	<b>640-120</b>	400	4	120	25	1
1785338	<b>640-270</b>	400	5	270	21	1

**640**

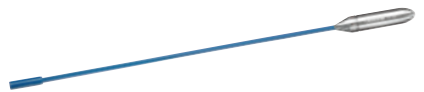
**MAGNETIC LIFTER**  
 ✓ With flexible shaft and plastic handle  
 ✓ Bright nickel-plated



Code	No.	↕mm↕	Magnet-Ø	Ø	↕	⊞
6531010	<b>640-500</b>	460	9	500	80	1
6531280	<b>640-1800</b>	520	15	1800	250	1
6531360	<b>640-3000</b>	520	19	3000	320	1

**642**

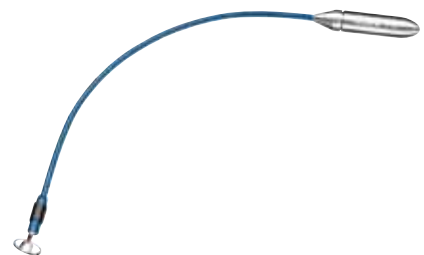
**MAGNETIC LIFTER with lamp**  
 ✓ Flexible shaft and optic fibre



Code	No.	↕mm↕	Ø	↕	⊞
6530470	<b>642</b>	500	350	110	1

**642 SP**

**MAGNETIC LIFTER with lamp, mirror and clip**  
 ✓ E-642 SP = detachable mirror with clip



Code	No.	↕mm↕	Ø	↕	⊞
6536750	<b>642 SP</b>	500	350	120	1
1520849	<b>E-642 SP</b>			10	1

Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)





## EXHAUST / ENGINE / VARIOUS

4588

### CHAIN PIPE CUTTER

- For cutting pipes in inaccessible places
- Gunmetal finish, handles nickel-plated
- Chain length: 260 mm
- Spare chain E-4588 A



Code	No.	Ø mm	Ø inch	↕	☰
6697840	<b>4588</b>	25-75	1-3	510	1
5697390	<b>E-4588 A</b>			185	1

4589

### CHAIN PIPE CUTTER

- For Ø 75 mm pipes, wall thickness 2.6 mm
- Spare chain E 4589 A



Code	No.	length appr.	↕	☰
1446940	<b>4589</b>	246	825	1
1446959	<b>E-4589 A</b>	315	185	1

1600

### SPECIAL PIN PUNCH

- For removal of split pins
- 1600-38** for door hinges, e.g. Opel
- 1600-39** for brake calipers and disc brakes
- 1600-40** with 3 mm guide pin



Code	No.	L <sub>1</sub>	↕	☰
6630180	<b>1600-38</b>	180	150	5
6633950	<b>1600-39</b>	180	60	5
6634090	<b>1600-40</b>	180	160	5

611

### UNIVERSAL CANISTER

- 2-litre capacity
- Polyethylene



Code	No.	L	H	W	↕	☰
6523340	<b>611</b>	75	220	180	200	1

614

### ANTI-FREEZE TESTER

- For ethylene glycol mixtures
- Made from high-quality impact-resistant plastics
- Corrosion-proof
- Suction tube length: 185 mm



Code	No.	↕	☰
6523770	<b>614</b>	50	1

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



Code	No.	↔ mm ↔	↔ inch ↔	↕	☰
6722030	<b>8134-170 C</b>	170	6.3/4	165	1

Code	No.	↔ mm ↔	↔ inch ↔	↕	☰
1701177	<b>SB 8134-170 C</b>	170	6.3/4	175	1

## 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



Code	No.	↕	☰
6460080	<b>269 K</b>	1050	1
6460160	<b>269 L</b>	800	1

269 F

### FLEXIBLE MILLED FILE BLADES

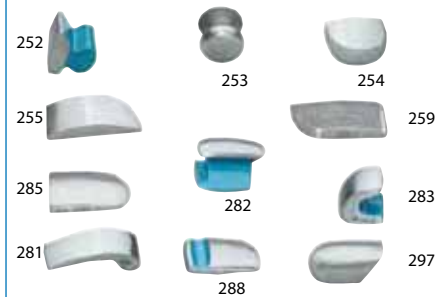


Code	No.	↔ mm ↔	Teeth "	↕	☰
5460030	<b>269 F 7</b>	354	7	250	1
5460110	<b>269 F 9</b>	354	9	250	1
5460380	<b>269 F 12</b>	354	12	250	1

252 - 297

### PLANISHING HAND ANVILS

- Made from hardened and tempered steel to DIN EN 10083
- Enamelled, with ground faces



Code	No.	Measures	↕	☰
6456990	<b>252</b>	72 x 55 x 63	1150	1
6457020	<b>253</b>	Ø 58.5 x 60	850	1
6457100	<b>254</b>	80 x 60 x 33	900	1
6457290	<b>255</b>	120 x 58 x 23	1050	1
6457610	<b>259</b>	125 x 55 x 25	1200	1
6461720	<b>281</b>	130 x 55 x 36	1200	1
6461800	<b>282</b>	100 x 40 x 80 x 70 x 62	1450	1
6461990	<b>283</b>	70 x 54 x 68	1650	1
6462020	<b>285</b>	111 x 68 x 23.5	1050	1
6463340	<b>288</b>	104 x 66 x 25	1150	1
6464230	<b>297</b>	110 x 51 x 55	1500	1





**265**

**BENDING TOOL**

- ▲ Made from hardened and tempered steel to DIN EN 10083
- ▲ Enamelled, ground faces



Code	No.	↳mm↳	↳inch↳	↳mm↳	↳mm↳	↳mm↳
6458420	<b>265</b>	430	17	900	1	

Further bending tools and bodywork levers are listed up from page 407



**289 - 291**

**BODYWORK SPOON**

- ▲ Made from hardened and tempered steel to DIN EN 10083
- ▲ Enamelled, with ground faces



Code	No.	↳mm↳	↳inch↳	↳mm↳	↳mm↳	↳mm↳
6463420	<b>289</b>	275	11	485	1	
6463690	<b>291</b>	390	16	1100	1	

**292 - 293**

**BODYWORK LEVER**

- ▲ GEDORE vanadium steel 31CrV3
- ▲ Enamelled, with ground faces



Code	No.	↳mm↳	↳inch↳	↳mm↳	↳mm↳	↳mm↳
6463770	<b>292</b>	450	16	1450	1	
6463850	<b>293</b>	500	19	1900	1	

**251**

**FLAT ROUND FACE HAMMER**

- ▲ Ash shaft (E-251 E)
- ▲ Made from hardened and tempered steel to DIN EN 10083
- ▲ Enamelled blue, with ground faces



Code	No.	↳mm↳	↳mm↳	↳mm↳	↳mm↳	↳mm↳	↳mm↳
6456720	<b>251</b>	300	155	40	31	450	1
1808621	<b>E-251 E</b>	300				111	1

**261**

**PLANISHING HAMMER**

- ▲ Ash shaft (E-261 E)
- ▲ Made from hardened and tempered steel to DIN EN 10083
- ▲ Enamelled blue, with ground faces



Code	No.	↳mm↳	↳mm↳	↳mm↳	↳mm↳	↳mm↳
6457960	<b>261</b>	325	160	31	600	1
1440934	<b>E-261 E</b>	325			111	1

**271**

**LONG REACH HAMMER**

- ▲ Ash shaft (E-271 E)
- ▲ Made from hardened and tempered steel to DIN EN 10083
- ▲ Enamelled blue, with ground faces



Code	No.	↳mm↳	↳mm↳	↳mm↳	↳mm↳	↳mm↳
6460320	<b>271</b>	330	160	28	600	1
1634844	<b>E-271 E</b>	330			111	1

**272 - 274**

**SMOOTHING HAMMER**

- ▲ Ash shaft (E-251 E, E-274 E)
- ▲ Made from hardened and tempered steel to DIN EN 10083
- ▲ Enamelled blue, with ground faces
- ▲ The K models have one milled cross-hatched face and one square non-milled face



Code	No.	↳mm↳	↳mm↳	↳mm↳	↳mm↳	↳mm↳	↳mm↳
6460400	<b>272</b>	300	105	32	25	300	1
6460590	<b>272 K</b>	300	105	32	25	300	1
6460670	<b>273</b>	300	100	40	35	350	1
6460750	<b>273 K</b>	300	100	40	35	350	1
6460830	<b>274</b>	320	115	46	40	550	1
6460910	<b>274 K</b>	320	115	46	40	550	1
1808621	<b>E-251 E</b>	300				111	1
1808664	<b>E-274 E</b>	320				90	1

**275 - 276**

**EMBOSSING HAMMER**

- ▲ Ash shaft
- ▲ Made from hardened and tempered steel to DIN EN 10083
- ▲ Enamelled blue, with ground faces



Code	No.	↳mm↳	↳mm↳	↳mm↳	↳mm↳	↳mm↳
6461050	<b>275</b>	300	160	40	450	1
6461130	<b>276</b>	300	160	40	420	1
1808621	<b>E-251 E</b>	300			111	1

**277**

**POINT PEIN HAMMER**

- ▲ Ash shaft
- ▲ Made from hardened and tempered steel to DIN EN 10083
- ▲ Enamelled blue, with ground faces



Code	No.	↳mm↳	↳mm↳	↳mm↳	↳mm↳	↳mm↳
6461210	<b>277</b>	300	137	37	400	1
1808621	<b>E-251 E</b>	300			111	1

**278**

**PLANISHING / GROOVING HAMMER**

- ▲ Ash shaft
- ▲ Made from hardened and tempered steel to DIN EN 10083
- ▲ Enamelled blue, with ground faces



Code	No.	↳mm↳	↳mm↳	↳mm↳	↳mm↳	↳mm↳
6461480	<b>278</b>	300	160	40	450	1
1808621	<b>E-251 E</b>	300			111	1

**279**

**STEEL / RUBBER HAMMER**

- ▲ Ash handle (E-279 E)
- ▲ Made from hardened and tempered steel to DIN EN 10083
- ▲ Enamelled blue, with ground faces
- ▲ Spare rubber cap (E-279)



Code	No.	↳mm↳	↳mm↳	↳mm↳	↳mm↳	↳mm↳	↳mm↳
6461560	<b>279</b>	360	138	55	33	1050	1
1492330	<b>E-279</b>			55		40	1
1808710	<b>E-279 E</b>	360				150	1



## SHEET METAL FORMING TOOLS

### 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
  - In sheet steel case
  - Dimensions: 525 x 206 x 78 mm



Code	No.		
6457880	<b>260</b> S 260	7.4	1
6459150	<b>S 260</b> 251 252 253 254 255 281 273 K 226 E-2	6.3	1

#### 280

- BODYWORK TOOL SET 12 pieces**
- Large workshop selection
  - In sheet steel case
  - Dimensions: 545 x 230 x 110 mm



Code	No.		
6461640	<b>280</b> S 280	16.9	1
6462290	<b>S 280</b> 272 K 273 K 225 E-32 277 278 281 282 288 291 292 293 259	10.4	1

#### 300

- BODYWORK TOOL SET 8 pieces**
- Panel beating tools
  - In sheet steel case
  - Dimensions: 525 x 206 x 78 mm

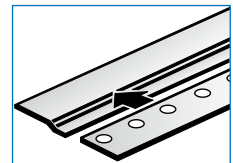


Code	No.		
6462370	<b>300</b> S 300	9.7	1
6462100	<b>S 300</b> 252 255 261 281 282 291 273 K 248 ST-30	7.2	1

#### 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



Code	No.					
6751130	<b>8532</b>	22	5	325	1200	1

#### 8533

##### PUNCH PLIERS

- With adjustable stop for punching sheet metal up to 1.5 mm



Code	No.					
6751640	<b>8533</b>	up to 30	5	260	800	1

Detailed information on products,  
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**EQUIPMENT**

**905**

**CREEPER**

- ✔ Comfortable, ergonomically shaped one-piece creeper
- ✔ With practical carrying handle
- ✔ Made from PP - kind on the skin, resistant to oil, grease and brake fluid
- ✔ Six swivel rollers 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: 115 x 1030 x 480 mm



Code	No.		
1823698	<b>905</b>	5.0	1

**906**

**KNEELING BOARD**

- ✔ Blue/black, made from solid foam
- ✔ With indented grip
- ✔ Dimensions: 115 x 1030 x 480 mm



Code	No.		
1942948	<b>906</b>	110	1





**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



Code	No.		
1942956	<b>907</b>	620	1







**KLANN**

# THE TOOL SPECIALIST FOR THE AUTOMOTIVE SECTOR



## PRODUCT RANGE

- ✔ Telescopic Spring Compressors
- ✔ Ball Joint Extractors
- ✔ Wheel Bearing Pullers
- ✔ Bush Extractors
- ✔ Motor Locking Tool Sets
- ✔ Hydraulic Press Tool Kits
- ✔ Tool sets
- ✔ Other tools

**KLANN Spezial-Werkzeugbau-GmbH**  
Breslauerstr. 41 · 78166 Donaueschingen  
Postfach 1329 · 78154 Donaueschingen  
Tel.: +49 (0) 771 / 8 32 23-0 · Fax: +49 (0) 771 / 8 32 23-90  
info@klann-online.de www.klann-online.de



**SPECIAL TOOLS**

► Our extensive range of chisels, drift and pin punches is listed up from page 401



► Our extensive range of hammers is listed up from page 384



**FILES**

**8729**

**CONTACT FILE**

► In blue PVC tear-off wallet

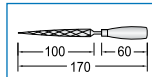



Code	No.	H"inch-H	H"mm-H	↕	📦
6771080	<b>8729</b>	6	150	8	10

**8728**

**KEY FILE SET 6 pieces**

► In blue plastic wallet  
► DIN 7283



Code	No.	5 types	Cut	↕	📦
6771910	<b>8728</b>		2	115	1

**8701**

**HAND FILE**

► PVC handle  
► DIN 7261, Form A  
► Cut: 2



Code	No.	L	L"	W	H	↕	📦
6768020	<b>8701 2-6</b>	150	6	16	4	65	1
6768100	<b>8701 2-8</b>	200	8	20	5	180	1
6768290	<b>8701 2-10</b>	250	10	25	6	280	1

**8719**

**TRIANGULAR FILE**

► PVC handle  
► DIN 7261, Form C  
► 2-6 = not standardised  
► Cut: 2



Code	No.	L	L"	W	↕	📦
6769260	<b>8719 2-6</b>	150	6	10	45	1
6769340	<b>8719 2-8</b>	200	8	14	140	1
6769420	<b>8719 2-10</b>	250	10	17	250	1

**8722**

**ROUND FILE**

► PVC handle  
► DIN 7261, Form F  
► Cut: 2



Code	No.	L	L"	Ø	↕	📦
6770000	<b>8722 2-6</b>	150	6	6.0	30	1
6770190	<b>8722 2-8</b>	200	8	7.5	100	1
6770270	<b>8722 2-10</b>	250	10	9.5	120	1

**8725**

**HALF-ROUND BLUNT FILE**

► PVC handle  
► DIN 7261, Form E  
► Cut: 2



Code	No.	L	L"	W	H	↕	📦
6770350	<b>8725 2-6</b>	150	6	16	4.5	80	1
6770430	<b>8725 2-8</b>	200	8	20	6.0	165	1
6770510	<b>8725 2-10</b>	250	10	25	7.0	280	1

► Tools for sheet metal working (such as tin snips) are listed up from page 377



► Our extensive range of scrapers is listed up from page 400





## SAWS

### 401

#### SMALL SAW FOR METAL

- Mini-hacksaw, bright nickel-plated
- Saw blade 401 A



Code	No.	↳mm↳	↕	📦
6500050	<b>401</b>	350	195	1
5500000	<b>401 A</b>	200	8	10

### 402

#### KEYHOLE SAW

- Metal handle with two replaceable saw blades: one for metal (402 A), one for wood (402 B)



Code	No.	↳mm↳	↕	📦
6500130	<b>402</b>	380	300	1
5500190	<b>402 A</b>	260	25	5
5500270	<b>402 B</b>	280	25	1

### 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)



Code	No.	↳mm↳	↕	📦
6500210	<b>403</b>	410	460	1
5500350	<b>403 A-405 A</b>		55	10
5500430	<b>403 B-405 B</b>		55	10

### 404

#### SMALL SAW FOR METAL PUK

- Bright nickel-plated
- Saw blade 404 A-406 A



Code	No.	↳mm↳	↕	📦
6500480	<b>404</b>	290	250	1
5501080	<b>404 A-406 A</b>	145	20	10

### 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



Code	No.	↳mm↳	↕	📦
6501020	<b>406</b>	250	250	1
5501080	<b>404 A-406 A</b>	145	20	10

### 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

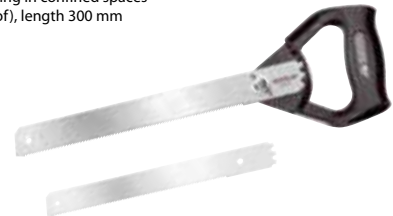


Code	No.	↳mm↳	↕	📦
1879375	<b>407</b>	650		1
1879383	<b>407 A</b>	55		1

### 372

#### UNIVERSAL HAND SAW

- For PE-, PVC-, wood, copper and aluminium pipes
- Especially suited for flush cutting in confined spaces
- Sawblade bimetal (break-proof), length 300 mm



Code	No.	↕	📦
1874853	<b>372012</b>	220	
	Universal hand saw 12 tpi		
1874888	<b>372018</b>	220	
	Universal hand saw 18 tpi		
1874896	<b>372026</b>	220	
	Universal hand saw 26 tpi		
1874845	<b>372000</b>	165	
	Spare handle		
1874918	<b>372112</b>	55	
	Saw blade 12 tpi		
1874926	<b>372118</b>	55	
	Saw blade 18 tpi		
1874934	<b>372126</b>	55	
	Saw blade 26 tpi		





**PARALLEL VICES**

**409 - 410**

**PARALLEL VICE**

- ✔ Welded
- ✔ Compact design, with large anvil surface
- ✔ Protected vice spindle with rolled thread

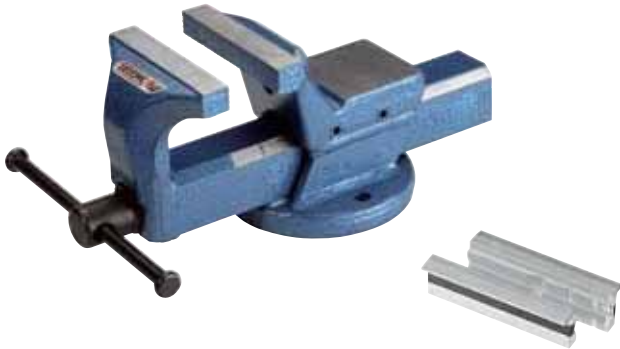


Code	No.	mm	mm	mm	
6500800	<b>409</b>	100	100	6.0	1
6500990	<b>410</b>	150	150	15.0	1

**411**

**PARALLEL VICE**

- ✔ Forged
- ✔ Sturdy design, with jaws, anvil plate and slides ground and induction hardened
- ✔ Made from hardened and tempered steel



Code	No.	mm	mm	mm	
6501100	<b>411-125</b> Parallel vice	125	150	11000	1
6501290	<b>411-150</b> Parallel vice	150	200	17000	1
5704430	<b>E-411 A-125</b> Aluminium jaws	125		176	1
5704510	<b>E-411 A-150</b> Aluminium jaws	150		265	1
5704270	<b>E-411 R-125</b> Pipe-clamping jaws	125		210	1
5704350	<b>E-411 R-150</b> Pipe-clamping jaws	150		290	1

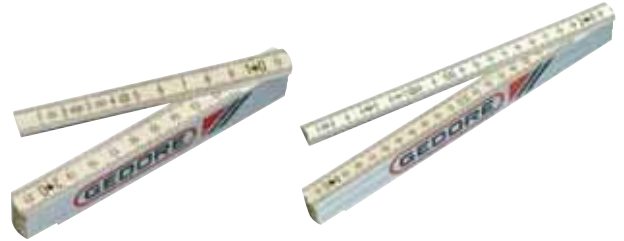


**MEASURING TOOLS**

**4533**

**FOLDING RULE**

- ✔ With easy to read metric dual scale
- ✔ Accuracy class III
- ✔ EG-design approval for continuous mm division
- ✔ Made from beechwood
- ✔ **4533-1**: Links 2.3 x 12 mm
- ✔ **4533-2**: Links 3.0 x 16 mm



	No.	Lm	mm
1837079	<b>4533-1</b>	1	28
1837087	<b>4533-2</b>	2	83

**4534**

**STEEL TAPE MEASURE**

- ✔ With belt clip and rewind stop
- ✔ mm-divisions
- ✔ Approved standard mark



Code	No.	Lm	mm	mm	
6697920	<b>4534-3</b>	3	13	120	5
6698060	<b>4534-5</b>	5	19	200	5
6698140	<b>4534-8</b>	8	25	375	1

**702**

**FEELER GAUGE SET, FAN PATTERN**

- ✔ With protective handle, folding, blade length 100 mm
- ✔ **702 22 A + 702 26 A**, each incrementing by 1/1000"



Code	No.	mm	mm	mm	
6547520	<b>702 8 M</b>	5 10 15 20 25 30 40 50/100			38 5
6547600	<b>702 88 M</b>	3 4 5 6 7 8 9 10/100			28 5
6547790	<b>702 13 M</b>	5 10 15 20 25 30 40 50 60 70 80 90 100/100			70 10
6547870	<b>702 20 M</b>	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100/100			100 10
6547950	<b>702 21 M</b>	10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50/100			70 5
6548250	<b>702 8 A</b>	.002 .004 .006 .008 .010 .012 .015 .020"			38 1
6548410	<b>702 11 A</b>	.0015 .002 .003 .004 .006 .008 .010 .012 .015 .020 .025"			45 1
6548680	<b>702 13 A</b>	.002 .003 .004 .005 .006 .008 .010 .012 .015 .020 .025 .030 .035"			56 5
6548760	<b>702 22 A</b>	.004 .025"			85 5
6548840	<b>702 26 A</b>	.0015 .025"			85 1

**703****VALVE FEELER GAUGE**

- Blade length 75 mm



Code	No.			
6549140	<b>703 M</b>	10 15 20 25 30 35 40/100	8	1

**705****SPARK PLUG GAUGE**

- With electrode adjuster, precision steel gauge wires



Code	No.			
6549570	<b>705 M</b>	40 50 60 70 75 80 90 100/100 mm	32	1

**706****THREAD GAUGE**

- For metric and Whitworth threads
- Pitches 0.25-6.00 mm / 62-4 Step\* W



Code	No.			
6549730	<b>706</b>	80	10	

**710****POCKET VERNIER CALLIPER**

- DIN 862, Form A 2
- Quick locking, for internal and external measurements, with ground tips and depth gauge
- In leather wallet



Code	No.					
6555030	<b>710</b>	213	140	5.1/2	200	1

**710-80****VERNIER CALLIPER, SMALL**

- With inside and outside jaws, ground tips, depth gauge
- In leather pouch



Code	No.					
1933205	<b>710-80</b>	114	80	3.1/8	100	1

**711****DIGITAL MEASURING CALLIPER**

- Stainless steel, hardened, in sturdy protective case
- Switchable from mm to inch
- Accuracy: 0.03 mm - 0.001 inch
- Reading: 0.01 mm - 0.001 inch



Code	No.					
6550070	<b>711</b>	230	153	6	50	1

**745****SCRIBER**

- Made from special steel



Code	No.			
6559530	<b>745</b>	250	55	10

**746****SCRIBER**


- Tungsten carbide, with retractable, replaceable tip (E-746)



Code	No.			
6559610	<b>746</b>	140	20	10
5545100	<b>E-746</b>	35	2	1




**720**  
**TWEEZERS**  
 ✓ With angled tips  
 ✓ Bright nickel-plated



Code	No.	l [mm]	W [mm]	h [mm]
6556270	<b>720</b>	150	24	5

**722-1 ESD**  
**PRECISION TWEEZERS ESD**  
 ✓ Flat, fine, long points  
 ✓ Satin non-glare finish  
 ✓ ESD = electrostatic discharge protection, black




Code	No.	l [mm]	W [mm]	h [mm]
1881663	<b>722-1 ESD</b>	130	22	1

**722-3/-4**  
**ELECTRONIC TWEEZERS**  
 ✓ Curved, fine, long points  
 ✓ 722-4 double curved  
 ✓ Satin non-glare finish




Code	No.	l [mm]	W [mm]	h [mm]
1881698	<b>722-3</b>	122	18	1
1881701	<b>722-4</b>	122	16	1

**721**  
**CROSS TWEEZERS**  
 ✓ With straight tips  
 ✓ Bright nickel-plated




Code	No.	l [mm]	W [mm]	h [mm]
6556350	<b>721</b>	160	35	1

**722-2**  
**PRECISION TWEEZERS**  
 ✓ Flat, fine points  
 ✓ Satin non-glare finish




Code	No.	l [mm]	W [mm]	h [mm]
1881671	<b>722-2</b>	95	10	1

**722-5/-6**  
**WATCHMAKER TWEEZERS**  
 ✓ 722-5 straight, fine, long points  
 ✓ 722-6 bent, fine, long points  
 ✓ Satin non-glare finish



Code	No.	l [mm]	W [mm]	h [mm]
1881728	<b>722-5</b>	108	12	1
1881736	<b>722-6</b>	108	10	1

**722-1**  
**PRECISION TWEEZERS**  
 ✓ Flat, fine, long points  
 ✓ Satin non-glare finish




Code	No.	l [mm]	W [mm]	h [mm]
1881655	<b>722-1</b>	130	22	1



**THREAD WORKINGS**

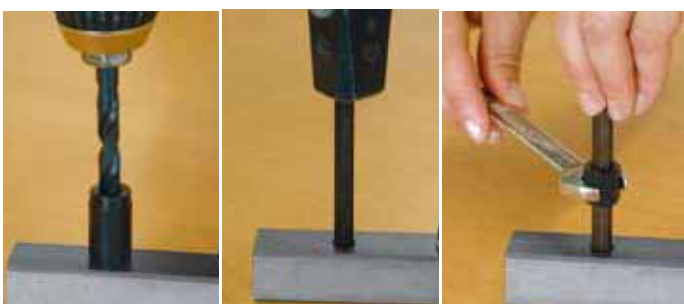


**8552**  
**SCREW EXTRACTOR SET**  
 ✓ For extracting broken screws and bolts with threads M5 - M16  
 ✓ In handy plastic case, with twist drills, guide sleeves, extractor pins and extractor nuts  
 ✓ Dimensions: 200 x 120 x 38 mm  
 ✓ Complete with instructions




Code	No.	W [mm]	h [mm]
6755550	<b>8552-025</b>	770	1

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"




**140**  
**THREAD FILE**  
 ✓ For repairing damaged internal and external threads  
 ✓ Chrome-vanadium steel, ISO-nickel-plated  
 ✓ Length 230 mm  
 ✓ 140 metric threads  
 ✓ 140 A inch threads  
 ✓ 140 W Whitworth threads



Code	No.	W [mm]	h [mm]
6409640	<b>140</b>	0.80 1.00 1.25 1.50 1.75 2.00 2.50 3.00 mm	125 1
6409720	<b>140 A</b>	24 20 18 16 14 13 12 11 inch	125 1
6409800	<b>140 W</b>	24 20 18 16 14 12 11 10 Whitworth	125 1

**8551**  
**BOLT EXTRACTOR**  
 ✓ 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.



Code	No.	W [mm]	h [mm]	Ø [mm]	W [mm]	h [mm]
6758490	<b>8551 1</b>	M3 - M6	1/8-1/4	1,4-3,6	2,7	50 4 10
6758570	<b>8551 2</b>	M6 - M8	1/4-5/16	2,1-4,9	3,8	57 9 10
6758650	<b>8551 3</b>	M8 - M11	5/16-7/16	3,1-5,5	4,9	65 13 10
6758730	<b>8551 4</b>	M11 - M14	7/16-9/16	4,8-8,8	7,0	70 30 10
6758810	<b>8551 5</b>	M14 - M18	9/16-3/4	6,2-11,0	9,0	80 50 5
6759030	<b>8551 6</b>	M18 - M24	3/4-1	9,4-15,0	12,0	85 100 5
6759110	<b>8551 7</b>	M24 - M33	1-1.3/8	12,7-19,0	14,5	95 150 1
6759380	<b>8551 8</b>	M33 - M45	1.3/8-1.3/4	17,5-24,0	18,0	100 290 1

**8551****BOLT EXTRACTOR SET**

- ✔ In plastic case



Code	No.	⚙️	📦
6759620	<b>8551-55</b> 1 2 3 4 5	150	1
6759700	<b>8551-66</b> 1 2 3 4 5 6	300	1
6759890	<b>8551-88</b> 1 2 3 4 5 6 7 8	750	1

**8553****TAP AND DIE SET**

- ✔ In plastic case
- ✔ 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



Code	No.	⚙️	📦
1939068	<b>8553</b> 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	740	1

**VARIOUS****8272****UNIVERSAL PLIERS**

- ✔ With adjustable joint and finger protection
- ✔ Non-slip handles, slightly angled jaw position
- ✔ Made from hardened and tempered steel to DIN EN 10083



Code	No.	⚙️	📦
6738620	<b>8272-165 C</b>	165	6 200 1
6738890	<b>8272-200 C</b>	200	8 250 1

**644 - 646****WIRE BRUSH**

- ✔ With untreated wooden handle, angled pattern, smooth, cast steel wire bristles



Code	No.	⚙️	📦
6531600	<b>644</b> 3-row	290	130 5
6531870	<b>646</b> 6-row	290	195 5

**645****FILE BRUSH**

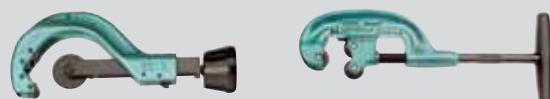
- ✔ File card mounted on a wooden handle
- ✔ File card size 110 x 40 mm



Code	No.	⚙️	📦
6531790	<b>645</b>	250	110 10



✔ Our extensive range of pipe and tube working tools is listed up from page 340



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**TOOLS FOR BICYCLES**

**6002**

**WRENCH FOR SPOKES**

- Forged
- Applicable also for motorcycles



Code	No.	Ø mm	l mm	l mm	l mm
6451170	<b>6002 3,3</b>	3.3	35	1	
6451410	<b>6002 3,5</b>	3.5	35	1	
6451680	<b>6002 3,9</b>	3.9	35	1	
6451760	<b>6002 4</b>	4.0	35	1	
6451840	<b>6002 4,3</b>	4.3	35	1	
6451920	<b>6002 4,5</b>	4.5	30	1	
6452060	<b>6002 4,6</b>	4.6	28	1	
6452140	<b>6002 4,8</b>	4.8	30	1	
6452220	<b>6002 5</b>	5.0	30	1	
6452300	<b>6002 5,2</b>	5.2	30	1	
6452490	<b>6002 5,5</b>	5.5	30	1	
6452570	<b>6002 5,7</b>	5.7	30	1	
6452650	<b>6002 6,1</b>	6.1	30	1	
6452730	<b>6002 6,5</b>	6.5	30	1	

**6003**

**ALIGNING TOOLS FOR TREADLES**



Code	No.	l mm	l mm	l mm
6451250	<b>6003</b>	504	1100	1

**6004**

**HEXAGON SOCKET KEY**

- Designed for removal of the sprockets on SRAM rear wheels



Code	No.	Ø mm	l mm	l mm
6451330	<b>6004</b>	12	290	1



**6101**

**HUB CONE SPANNER**

- Very flat forged open end spanners for different screw couplings, head thickness 2.2 mm
- For SRAM hubs



Code	No.	Ø mm	l mm	l mm	l mm
1549146	<b>6101 13</b>	13	193	76	1
1549154	<b>6101 14</b>	14	193	76	1
1549162	<b>6101 15</b>	15	193	76	1
1549170	<b>6101 16</b>	16	193	76	1
1549189	<b>6101 17</b>	17	193	76	1
1549197	<b>6101 18</b>	18	193	76	1
1582038	<b>6101 19</b>	19	193	76	1
1809741	<b>6101 20</b>	20	193	74	1
6451090	<b>6101 22</b>	22	193	111	1

**6105**

**WRENCH FOR PEDALS**

- With same size each end and heads flat offset, head thickness 4.5 mm
- GEDORE vanadium steel 31CrV3, chrome-plated



Code	No.	l mm	Ø mm	l mm	l mm
1549138	<b>6105</b>	340	15	210	1

**6160**

**HANDLE FOR FITTINGS**



Code	No.	l mm	l mm
1560778	<b>6160</b>	335	1

**6161**

**FITTINGS PARING SPANNER**



Code	No.	Ø mm	Ø mm	l mm	l mm
1560719	<b>6161</b>	36	41	140	1

**6162**

**FITTINGS**



Code	No.	Ø mm	l mm	l mm
1560727	<b>6162 30</b>	30	140	1
1578537	<b>6162 32</b>	32	140	1
1578545	<b>6162 34</b>	34	140	1
1578553	<b>6162 35</b>	35	140	1
1578561	<b>6162 36</b>	36	140	1
1578588	<b>6162 40</b>	40	140	1
1578596	<b>6162 42</b>	42	140	1

**6163**

**FITTING OPEN ENDED SPANNER**



Code	No.	Ø mm	l mm	l mm
1560735	<b>6163 15</b>	15	160	1

**6164**

**FITTING HOOK SPANNER**



Code	No.	Ø mm	l mm	l mm
1560743	<b>6164</b>	44	130	1

**329001**

**SIPHON TRAP PLIERS / SPRING HOOK WRENCH**

- With plastic jaws



Code	No.	Ø mm	l mm	l mm	l mm
1984381	<b>329001</b>	20-65	230	300	1

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### 6166-18

#### BICYCLE COMPACT TOOL 18 pieces

- Compact tool with 18 functions
- Intelligent division into 2 halves, easy handling of all functions
- Rounded, flat shape reduces the risk of injury in crashes, when carried in the jersey pocket
- 2 tyre levers integrated in hafts
- Chain tool - for up to 10-plate chains
- Box wrench 8, 10mm
- Screwdriver slotted / cross-slotted PH
- Spoke wrench G14, G15
- INBUS® wrench 2\*; 2,5; 3; 4; 5; 6; 8
- TORX® wrench T20\*; T25
- \* Sizes supplied separately (for self-exchange)
- Made from Vanadium Plus steel
- Supplied in neoprene pouch for the jersey pocket, or carrying on a belt or saddle
- Dimensions: 98 x 50 x 25 mm
- TORX® = reg. trade mark of Acument Intellectual Properties, LLC. USA
- INBUS® = reg. trademark of Acument GmbH & Co. OHG, 56567 Neuwied



Code	No.	223	1
1953079	<b>6166-18</b>		

### 6170-07

#### TOOL SET FOR BICYCLE 7 pieces



Code	No.	1400	1
1888471	<b>6170-07</b>		
	1 handle No. 6160		
	1 fitting paring spanner No. 6161		
	1 fitting hexagon/octagon No. 6162 32		
	1 fitting hexagon/octagon No. 6162 36		
	1 fitting hexagon/octagon No. 6162 40		
	1 fitting open end spanner No. 6163 15		
	1 fitting hook spanner No. 6164		

### 6166-20

#### BICYCLE COMPACT TOOL 20 pieces

- Compact tool with 20 functions
- 2 separate tyre levers made from hard-wearing plastic
- Chain tool
- Box wrench 6, 11, 12 and open wrench 8, 10, 13, 15
- Screwdriver slotted / cross-slotted PH
- Spoke wrench G14, G15
- INBUS® wrench 2,5; 3; 4; 5; 6; 8
- Made from Vanadium Plus steel
- Dimensions: 94 x 40 x 35 mm
- INBUS® = reg. trademark of Acument GmbH & Co. OHG, 56567 Neuwied



Code	No.	223	1
1888498	<b>6166-20</b>		



Torque wrenches and accessories see pages 158 and up from page 304





**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.

Please ask for our detailed priced leaflet!



**SCISSORS**

**1104**

**TAILOR'S 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



Code	No.	↳mm↳	↕↕	📦
9118280	<b>1104-18</b>	180	142	5
9118360	<b>1104-20</b>	200	248	5
2082292	<b>1104-20L</b>	200	248	5
9118440	<b>1104-23</b>	230	300	5
9118520	<b>1104-26</b>	260	378	5
2082306	<b>1104-26L</b>	260	378	5
9118600	<b>1104-29</b>	290	446	5
9118790	<b>1104-32</b>	320	536	5



**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



Code	No.	↳mm↳	↕↕	📦
9118950	<b>1114-23</b>	230	282	5



**52887 TE - 55108 TE**

**SPECIAL SCISSORS**

- ✔ Ideal for Kevlar®, aramid and glass fibre
- ✔ Extra hard blades, Teflon-coated
- ✔ Fine-serrated on one side
- ✔ Plastic-coated handles



Code	No.	↳mm↳	↕↕	📦
8017730	<b>52887 TE-V-210</b>	200	252	1
8017750	<b>52887 TE-V-260</b>	260	420	1
2082381	<b>52887 TE-V-320</b>	320	622	1
2082403	<b>52999 TE-V-260</b>	260	360	1
2082330	<b>53791 TE-V-210</b>	210	272	1
2082373	<b>55108 TE-V-130</b>	130	62	1





### 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



Code	No.	l (mm)	h (mm)	U
9119680	<b>1277-10</b>	100	23	5
9119760	<b>1277-12</b>	120	40	5
9119840	<b>1277-16</b>	160	61	5
9119920	<b>1277-18</b>	180	88	5

### 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



Code	No.	l (mm)	h (mm)	U
9120770	<b>1350-16</b>	160	70	5
9120850	<b>1350-18</b>	180	94	5
2082314	<b>1350-18L</b>	180	94	5
9120930	<b>1350-20</b>	200	132	5

### 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



Code	No.	l (mm)	h (mm)	U
9123790	<b>2123-26</b>	260	178	5

## KNIVES

### 0021

#### POCKET KNIFE

- ✔ Traditional working knife
- ✔ Folding
- ✔ Universal use
- ✔ Extremely sharp
- ✔ C75 carbon steel blade
- ✔ Weatherproof hardwood handle



Code	No.	l (mm)	h (mm)	U
2016737	<b>0021-07</b>	70	57	10

### 0038

#### POCKET KNIFE

- ✔ Anchor or dinghy knife for heavy-duty use
- ✔ Folding
- ✔ Universal use
- ✔ Extremely sharp
- ✔ C75 carbon steel blade
- ✔ Weatherproof hardwood handle



Code	No.	l (mm)	h (mm)	U
9100580	<b>0038-08</b>	80	86	10

### 0047

#### POCKET KNIFE

- ✔ With extremely wide blade for heavy-duty use
- ✔ Folding
- ✔ Universal use
- ✔ Extremely sharp
- ✔ C75 carbon steel blade
- ✔ Weatherproof hardwood handle



Code	No.	l (mm)	h (mm)	U
9100740	<b>0047-07</b>	70	64	10
9100900	<b>0047-75</b>	75	86	10
9100820	<b>0047-08</b>	80	98	10



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**0056**

**POCKET KNIFE**

- ✔ Traditional working knife
- ✔ Folding
- ✔ Universal use
- ✔ Extremely sharp
- ✔ C75 carbon steel blade
- ✔ Plastic handle





Code	No.			
9101040	<b>0056-07</b>	70	66	10

**0059 - 0067**

**POCKET KNIFE**

- ✔ Traditional working knife
- ✔ Folding
- ✔ Universal use
- ✔ Extremely sharp
- ✔ C75 carbon steel blade
- ✔ Weatherproof hardwood handle



Code	No.			
9101470	<b>0067-07</b>	70	61	10
9101390	<b>0065-09</b>	90	78	10
9101120	<b>0059-10</b>	100	102	10






**0042**

**CABLE KNIFE**

- ✔ With wire stripper
- ✔ Folding
- ✔ Universal use
- ✔ Extremely sharp
- ✔ C75 carbon steel blade
- ✔ Weatherproof hardwood handle




Code	No.			
9100660	<b>0042-09</b>	90	76	10

**0513**

**CABLE KNIFE**

- ✔ With wire stripper
- ✔ Folding
- ✔ Universal use
- ✔ Extremely sharp
- ✔ C70 carbon steel blade
- ✔ Weatherproof hardwood handle






Code	No.			
9113050	<b>0513-09</b>	90	80	10

**0063**

**CABLE KNIFE**

- ✔ With wire stripper
- ✔ Folding
- ✔ Universal use
- ✔ Extremely sharp
- ✔ X46Cr13 stainless steel blade
- ✔ Plastic handle






Code	No.			
9101200	<b>0063-08</b>	80	92	10

**0117**

**WORK KNIFE**

- ✔ Ideal as a packaging, boxing, warehousing or paper knife
- ✔ Extremely sharp
- ✔ C75 carbon steel blade
- ✔ Beech handle






Code	No.			
9102520	<b>0117-10</b>	100	70	10
9102600	<b>0117-12</b>	120	80	10
9102790	<b>0117-16</b>	160	106	10
9102870	<b>0117-18</b>	180	110	10

**0246**

**INDUSTRIAL KNIFE**

- ✔ Wide blade with straight back
- ✔ Extremely sharp
- ✔ C75 carbon steel blade
- ✔ Beech handle



Code	No.			
9106860	<b>0246-16</b>	160	98	10

**0291****UNIVERSAL KNIFE**

- ✔ Universal use
- ✔ Extremely sharp
- ✔ C75 carbon steel blade
- ✔ Beech handle



Code	No.				
9107910	<b>0291-06</b>	60	175	37	10

**0365****UNIVERSAL KNIFE**

- ✔ Stainless steel
- ✔ Handle made from cherrywood



Code	No.				
9109290	<b>0365-07</b>	70	39		10

**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



Code	No.		
2082411	<b>6951-00</b>	150	1
2082438	<b>6951-20</b>	40	1
2082446	<b>6951-50</b>	63	1
Dispenser with 10 foil blades			

**SCRAPERS****0175****SCRAPER**

- ✔ Stamped blade
- ✔ Fine-polished, flexible C75 carbon steel
- ✔ Glazed beech handle
- ✔ Blade width 30 - 120 mm



Code	No.	W		
9103840	<b>0175-03</b>	30	66	10
9103920	<b>0175-04</b>	40	68	10
9104060	<b>0175-05</b>	50	72	10
9104140	<b>0175-06</b>	60	80	10
9104220	<b>0175-08</b>	80	90	10
9104300	<b>0175-10</b>	100	110	10
9104490	<b>0175-12</b>	120	120	10

**0179****SCRAPER**

- ✔ Professional version
- ✔ Fully forged
- ✔ Fine-polished, flexible C50 carbon steel
- ✔ Weatherproof hardwood handle
- ✔ Handle width 30 - 120 mm



Code	No.	W		
9104570	<b>0179-03</b>	30	47	10
9104650	<b>0179-04</b>	40	63	10
9104730	<b>0179-06</b>	60	84	10
9104810	<b>0179-08</b>	80	120	10
2016745	<b>0179-10</b>	100	132	10
9105110	<b>0179-12</b>	120	144	10





## CAST IRON SCREW CLAMPS for direct, secured clamping.



Tilting arrester screw to prevent unwanted slipping or releasing of the slide bar. Setscrew adjustment.

⑥

① Rolled hollow profile and flat profile bar with toothing on the reverse, high-bright galvanized for low-contamination working, made from hardened and tempered steel. For extreme bending strength and tensile strength.

Spindle with extra deep trapezoidal threads. Lifetime smooth motion, maximum force transmission and wear resistance.

②

⑤

Malleable cast iron fixed and sliding jaws. The subsequent graphitization gives the bars properties similar to tough steel.



④

Moveable pressure plate made from top-grade forged steel with replaceable plastic pads for soft gripping.

③

Hand-friendly beech grip, smoothly riveted to the spindle. With plastic ferrule to prevent injury.

## ALL-STEEL SCREW CLAMPS for optimum force transmission.

TGM, TGB, TGP, TGE all-steel screw clamps are primarily used in steel and vehicle construction. Particularly where heavy, sturdy parts need special clamping forces and a high degree of safety is essential.

⑥

Forged, hardened and tempered steel sliding jaw. Hollow profile and flat profile bars with toothing on the reverse, high-bright galvanized for low contamination working.

①

Profile bar with rolled profile steel fixed jaw, hot formed and hardened and tempered in one piece. Optimum stability under load.

②

Hand-friendly beech grip, smoothly riveted to the spindle. With plastic ferrule to prevent injury.

⑤

Moveable pressure plate made from top-grade forged steel with replaceable plastic pads for soft gripping.

④

Spindle with extra deep trapezoidal threads. Lifetime smooth motion, maximum force transmission and wear resistance.

③

(3) Moveable handle, with T-handle pivot for increased application of pressure.

### CLAMPING PLATES FOR SCREW CLAMPS

- ✔ Clamping plates for difficult edges and surfaces
- ✔ Universal size = suitable for all screw clamps
- ✔ With magnetic holder





## CAST IRON SCREW CLAMPS

- Pressure plate with exchangeable protective cap
- Deep trapezoidal thread for optimum transfer of force
- Clamping arms in sturdy malleable cast iron, with torsionally-resistant H-section
- With fixing screw for fine adjustment of pressure
- With beech wood handle or tommy bar with sliding lever handle

### DIS

#### CAST IRON SCREW CLAMP with wooden handle

- To DIN 5117
- Professional clamp for universal use
- With strong profile-section bar in special steel and rear toothing



Code	No.	mm	mm	mm	mm
1068849	<b>DIS080016</b>	80	160	25 x 6	0.680
1068938	<b>DIS100020</b>	100	200	30 x 8	1.300
1068989	<b>DIS120025</b>	120	250	30 x 8	1.700
1068997	<b>DIS120030</b>	120	300	30 x 8	1.800
1069004	<b>DIS120040</b>	120	400	30 x 8	2.200
1069012	<b>DIS120050</b>	120	500	30 x 8	2.300
1069020	<b>DIS120060</b>	120	600	30 x 8	2.400
1069039	<b>DIS120080</b>	120	800	30 x 8	2.800
1069047	<b>DIS120100</b>	120	1000	30 x 8	2.700
1401173	<b>DIS120125</b>	120	1250	35 x 11	3.200
1401181	<b>DIS120150</b>	120	1500	35 x 11	3.500
1401203	<b>DIS120200</b>	120	2000	35 x 11	4.500

### DIN

#### CAST IRON SCREW CLAMP with wooden handle

- To DIN 5117
- Heavy-duty professional clamp for hard, everyday use
- Strong flat steel bar with rear toothing



Code	No.	mm	mm	mm	mm
1170937	<b>DIN050100</b>	50	100	15 x 5	0.305
1171062	<b>DIN060120</b>	65	120	20 x 5	0.570
1171070	<b>DIN060200</b>	65	200	20 x 5	0.570
1171097	<b>DIN060300</b>	65	300	20 x 5	0.655
1069462	<b>DIN140030</b>	140	300	35 x 9	2.200
1069470	<b>DIN140040</b>	140	400	35 x 9	2.460
1069527	<b>DIN175040</b>	175	400	35 x 9	2.700
1069276	<b>DIN121050</b>	120	500	35 x 11	3.000
1069284	<b>DIN121060</b>	120	600	35 x 11	3.300
1069292	<b>DIN121080</b>	120	800	35 x 11	3.900
1069306	<b>DIN121100</b>	120	1000	35 x 11	4.500
1069314	<b>DIN121120</b>	120	1200	35 x 11	5.110
1069322	<b>DIN121150</b>	120	1500	35 x 11	5.900

### DISB

#### CAST IRON SCREW CLAMP with tommy bar

- For fast, strong clamping with sliding lever handle
- With strong profile-section bar in special steel and rear toothing

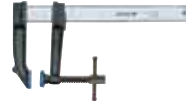


Code	No.	mm	mm	mm	mm
1069055	<b>DISB080016</b>	80	160	25 x 6	0.680
1069144	<b>DISB100020</b>	100	200	30 x 8	1.300
1069195	<b>DISB120025</b>	120	250	30 x 8	1.700
1069209	<b>DISB120030</b>	120	300	30 x 8	1.800
1069217	<b>DISB120040</b>	120	400	30 x 8	2.200
1069225	<b>DISB120050</b>	120	500	30 x 8	2.300
1069233	<b>DISB120060</b>	120	600	30 x 8	2.400
1069241	<b>DISB120080</b>	120	800	30 x 8	2.800
1069268	<b>DISB120100</b>	120	1000	30 x 8	3.200

### DINB

#### CAST IRON SCREW CLAMP with tommy bar

- For fast, strong clamping with sliding lever handle
- Strong flat steel bar with rear toothing



Code	No.	mm	mm	mm	mm
1069586	<b>DINB121050</b>	120	500	35 x 11	3.000
1069594	<b>DINB121060</b>	120	600	35 x 11	3.300
1069608	<b>DINB121080</b>	120	800	35 x 11	3.900
1069616	<b>DINB121100</b>	120	1000	35 x 11	4.500
1069624	<b>DINB121120</b>	120	1200	35 x 11	5.110
1069764	<b>DINB140030</b>	140	300	35 x 9	2.200

## ALL-STEEL SCREW CLAMPS

- With hollow-section bar and integral clamping arm
- In cold-drawn profile-section steel, hot-forged to shape and with optimum heat treatment guarantees torsion-free transference of the clamping force
- With forged clamping arm - fitted to slide perfectly
- Movable pressure plate with protective cap
- Deep trapezoidal thread for optimum transfer of force
- In special steel, hardened, bright zinc-plated - for good protection against corrosion and non-dirtying surface
- With beech wood handle

### TGM

#### ALL-STEEL SCREW CLAMP with wooden handle

- The handy professional clamp for heavy-duty, flexible clamping



Code	No.	mm	mm	mm	mm
1070096	<b>TGM080016</b>	80	160	16 x 8	0.600
1070118	<b>TGM100020</b>	100	200	20 x 10	1.050
1070126	<b>TGM121025</b>	120	250	22 x 11	1.650
1070142	<b>TGM122030</b>	120	300	25 x 12	2.130
1070150	<b>TGM122040</b>	120	400	25 x 12	2.350
1070169	<b>TGM122050</b>	120	500	25 x 12	2.570
1070177	<b>TGM122060</b>	120	600	25 x 12	2.800
1070185	<b>TGM124080</b>	120	800	25 x 12	4.140
1070193	<b>TGM124100</b>	120	1000	25 x 12	4.730
1070207	<b>TGM124125</b>	120	1250	25 x 12	5.400
1070215	<b>TGM126150</b>	120	1500	25 x 12	7.560
1070134	<b>TGM140030</b>	140	300	25 x 12	2.250

### TGP

#### ALL-STEEL SCREW CLAMP with pivot handle

- For all variable uses requiring sensitivity and force
- The variable handle position permits a sensible combination of handle and tommy bar



Code	No.	mm	mm	mm	mm
1070460	<b>TGP121025</b>	120	250	22 x 11	1.650
1070479	<b>TGP122030</b>	120	300	25 x 12	2.130
1070541	<b>TGP140030</b>	140	300	25 x 12	7.560
1070487	<b>TGP122040</b>	120	400	25 x 12	2.350
1070495	<b>TGP122050</b>	120	500	25 x 12	2.570
1070509	<b>TGP122060</b>	120	600	25 x 12	2.800
1070517	<b>TGP124080</b>	120	800	28 x 14	4.140
1070525	<b>TGP124100</b>	120	1000	28 x 14	4.730
1070533	<b>TGP124125</b>	120	1200	28 x 14	5.400

### TGB

#### ALL-STEEL SCREW CLAMP with tommy bar

- For fast, strong clamping - with sliding lever handle



Code	No.	mm	mm	mm	mm
1070223	<b>TGB080016</b>	80	160	16 x 8	0.600
1070231	<b>TGB100020</b>	100	200	20 x 10	1.050
1070258	<b>TGB121025</b>	120	250	22 x 11	1.650
1070274	<b>TGB122030</b>	120	300	25 x 12	2.130
1070282	<b>TGB122040</b>	120	400	25 x 12	2.350
1070290	<b>TGB122050</b>	120	500	25 x 12	2.570
1070304	<b>TGB122060</b>	120	600	25 x 12	2.800
1070312	<b>TGB124080</b>	120	800	28 x 14	4.140
1070320	<b>TGB124100</b>	120	1000	28 x 14	4.730
1070339	<b>TGB124125</b>	120	1250	28 x 14	5.400
1070266	<b>TGB140030</b>	140	300	25 x 12	2.250

## QUICK-ACTION LEVER CLAMPS

- With hollow-section bar and integral clamping arm
- In cold-drawn profile-section steel, hot-forged to shape and with optimum heat treatment guarantees torsion-free transference of the clamping force
- High-gloss zinc-plated - for good protection against corrosion and non-dirtying surface
- With fine tooth and pawl mechanism for careful, fast clamping action and high force transference due to lever action
- The clamping force cannot be released or reduced by vibration
- With easy-grip powder-coated handle incorporating a release lever
- The movable clamping arm has a drop-forged, torsion-resistant profile section, and a precise mechanism for providing the highest clamping pressure

### TGE

#### QUICK-ACTION LEVER CLAMP

- For secure, high-pressure clamping, even using only one hand



Code	No.	mm	mm	mm	mm
1070347	<b>TGE080016</b>	80	160	16 x 8	0.950
1070355	<b>TGE100020</b>	100	200	20 x 10	1.350
1070363	<b>TGE121025</b>	120	250	22 x 11	1.930
1070398	<b>TGE122030</b>	120	300	25 x 12	2.600
1070401	<b>TGE122040</b>	120	400	25 x 12	2.830
1070428	<b>TGE122050</b>	120	500	25 x 12	3.000
1070436	<b>TGE122060</b>	120	600	25 x 12	3.300
1070444	<b>TGE124080</b>	120	800	28 x 14	4.600
1070452	<b>TGE124100</b>	120	1000	28 x 14	5.200
1070371	<b>TGE140030</b>	140	300	25 x 12	2.780

## CLAMPING PLATES FOR SCREW CLAMPS

### DP 621

#### CLAMPING PLATES FOR SCREW CLAMPS

- Clamping plates for difficult edges and surfaces
- Universal size = suitable for all screw clamps
- With magnetic holder



Code	No.	mm
1564714	<b>DP 621-1</b>	50
Clamping plate for holding tips		
1564757	<b>DP 621-2</b>	100
Clamping plate with wedge		
1564803	<b>DP 621-3</b>	100
Clamping plate with cone		



## WORKSHOP LAMPS

GEDORE light line electric lamps are equipped as standard with a contoured twin-pin connector as per CEE 7/17

The particular geometry of this connector allows the lamps to be used in more than 100 countries around the world

International connectors and other connector variants are available on request



## ELECTRIC LAMPS LED LIGHT LINE

- Highest protection class: III
- 3.6 Volt operating voltage
- Environmentally-friendly, cadmium-free, NiMH rechargeable battery of 2 Ah 3.6 V
- 5 Volt transformer for charging included in scope of supply
- Normal charging time 4 h; Initial charge - completely discharge the battery during the first three charges; max. charging time: 24 h
- Protection against overcharging
- Flicker-free, bright light
- Independent of mains
- Full freedom of movement since there is no troublesome cable
- No risk of burns since a cold light is used
- Industrial quality
- Protective tube made of polycarbonate, also used for aircraft screens
- Protective jacket made of high quality rubber
- Practical swivelling hook for hanging up
- IP 54 complete protection from contact voltage and impurities, splash-proofed

### 900 01 LED

#### LED ELECTRIC LAMP WITH RECHARGEABLE BATTERY

- Electric lamp with 27 white LEDs
- Duration of light: 4 h
- Light intensity: 148 Lux at a measuring distance of 1 metre
- Other national standard plugs on request



Code	No.	Operating voltage	↳mm↳	↕
1816470	<b>900 01 LED</b>	3,6 V	290	750

### 900 02 LED

#### LED DUO ELECTRIC LAMP WITH RECHARGEABLE BATTERY

- Electric lamp with twin function, focussed as torch or widely fanned out as a worklamp
- Worklamp with 26 white LEDs (4 h duration of light)
- Torch with 9 white LEDs (10 h duration of light)
- Light intensity: 148 Lux at a measuring distance of 1 metre
- Other national standard plugs available on request



Code	No.	Operating voltage	↳mm↳	↕
1816489	<b>900 02 LED</b>	3,6 V	385	940

Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)



## CB 900

### CHARGING UNIT

- For GEDORE LED electric lamps



Code	No.	↕
1816497	<b>CB 900 01 LED</b>	220
1893386	<b>CB 900 02 LED</b>	220

## ELECTRIC LAMPS LIGHT LINE

- Electric lamp with ballast
- Industrial quality
- Protective tube made of polycarbonate
- Protective jacket made of high quality rubber
- Practical swivelling hook for hanging up
- Simple exchange of fluorescent tubes
- 5 metre connecting cable
- Cold light, colour temperature 650° K
- Degree of interference immunity IK 09 (resistant to impacts of up to 10 joules)
- IP 54 complete protection from contact voltage and impurities, splash-proofed

## 900

### ELECTRIC LAMP

- Other national standard plugs on request
- With bulb
- 900 03:** Protection class II
- 900 04:** Protection class III
- 900 05:** Protection class II
- 900 09:** Protection class II

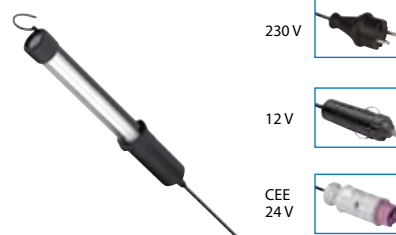


Code	No.	Power	Operating voltage	↳mm↳	↕
1816500	<b>900 03</b>	8 W	230 V	490	720
1816519	<b>900 04</b>	8 W	24 V	490	750
1816527	<b>900 05</b>	11 W	230 V	395	720
1816578	<b>900 09</b>	18 W	230 V	765	860

## 900

### DUO ELECTRIC LAMP

- Electric lamp with twin function, focussed as torch or widely fanned out as a worklamp
- 900 06:** Protection class II
- 900 07:** Protection class III
- 900 08:** Protection class III



Code	No.	Power	Operating voltage	↳mm↳	↕
1816535	<b>900 06</b>	11 W	230 V	395	740
1816543	<b>900 07</b>	11 W	12 V	395	750
1816551	<b>900 08</b>	11 W	24 V	395	750

## H 900

### MAGNETIC HOLDER

- Firm mounting for light line lamps on any ferrometallic ground



Code	No.	↕
1816608	<b>H 900 2</b>	120
1816616	<b>H 900 3</b>	120
	Magnetic holder, metal	
1816624	<b>H 900 4</b>	280
	Flexible magnetic holder	

## 900 10

### ENGINE SPACE INSPECTION LAMP

- Safety class II
- Automatic fixing to bonnet supports of 110-170 cm
- Rubberised holder to protect the paintwork
- Permits undisturbed work in the engine space
- Uniform lighting of the working area



Code	No.	Power	Operating voltage	↳mm↳	↕
1816586	<b>900 10</b>	36 W	230 V	1377	1950



## H 900 5

### BONNET SUPPORT

- Extendable from 110-170 cm
- Automatic fixing to bonnet supports
- Rubberised holder to protect the paintwork



Code	No.	↕
1816632	<b>H 900 5</b>	790





## WORKLAMPS LIGHT LINE

- Housings made from impact-proof plastic
- Impact-proof translucent polycarbonate screen, also used for aircraft screens
- Reflector made from highly-polished aluminium sheet
- Adjustable retaining hanger
- Long service life
- 5 metre connecting cable
- Degree of shock resistance: IK 10, can withstand impacts up to 20 joules
- For 36 Watt lamps: IP 54, complete protection from contact voltage and impurities, splash-proofed
- For 72 and 108 Watt lamps: IP 44, protection from contact voltage and impurities for tools and wires greater than 1 mm diameter, splash proofed

### 901 01 LED

#### LED WORKLAMP 36 W with emergency light

- 2x 18 W PL-L Philips fluorescent lamps
- Supplementary lighting in the event of mains power failures by means of 24 LEDs
- Environmentally-friendly NiHM rechargeable battery for LED operation 3.6V 2.0Ah
- On/Off switch
- After the lamp has been switched on the battery is automatically charged and the red indicator lamp (LED) lights up. In the event of a mains power failure the emergency light is automatically actuated by the LEDs. Once the mains power is available again the main lighting is switched on again automatically and the battery is charged again.
- Protection class II
- Other national standard plugs on request
- With bulb
- Dimensions: W 340 x H 230 x D 110 mm



Code	No.	Power	Operating voltage	
1816640	<b>901 01 LED</b>	36 W	230 V	2.3

### 901 02 LED

#### LED WORKLAMP 36 W with socket

- 67 white LEDs ensure a bright energy-saving light
- At the rear side is a 230 V safety socket with earthing contact
- Protection class I
- Other national standard plugs on request
- With bulb
- Dimensions: W 340 x H 230 x D 110 mm



Code	No.	Power	Operating voltage	
1816659	<b>901 02 LED</b>	36 W	230 V	2.0

### 901

#### WORKLAMP 36 W

- 2x 18 W PL-L Philips fluorescent lamps
- Luminous flux: 2900 lm
- **901 03:** Protection class II
- **901 04:** Protection class I, 230 V safety socket
- **901 05:** Protection class III
- Dimensions: W 340 x H 230 x D 110 mm



Code	No.	Power	Operating voltage	
1816667	<b>901 03</b>	36 W	230 V	2.5
1816675	<b>901 04</b>	36 W	230 V	2.5
1816683	<b>901 05</b>	36 W	24 V	2.6

### 901

#### WORKLAMP 72 W

- 2x 36 W PL-L Philips fluorescent lamps
- **901 06:** Protection class II
- Luminous flux: 5800 lm
- **901 07:** Protection class I
- 2x 230V safety sockets with earthing contacts
- Luminous flux: 5800 lm
- **901 08:** Protection class III
- **901 09:** Protection class III
- 2 sockets
- **901 10:** Protection class III
- Socket
- **901 11:** Protection class III
- Socket
- Dimensions: W 495 x H 285 x D 110 mm

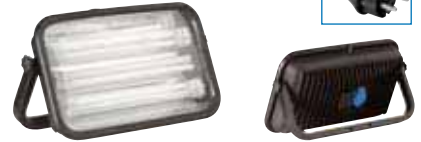


Code	No.	Power	Operating voltage	
1816691	<b>901 06</b>	72 W	230 V	5.0
1816705	<b>901 07</b>	72 W	230 V	5.0
1816713	<b>901 08</b>	72 W	24 V	5.0
1816721	<b>901 09</b>	72 W	24 V	5.1
1816748	<b>901 10</b>	72 W	42 V	5.1
1816756	<b>901 11</b>	72 W	42 V	5.1

### 901

#### WORKLAMP 108 W

- 3x 36 W PL-L Philips fluorescent lamps
- Luminous flux 8700 lm
- **901 12:** Protection class II
- **901 13:** Protection class I
- Safety socket with earthing contact
- Dimensions: W 495 x H 285 x D 110 mm



Code	No.	Power	Operating voltage	
1816764	<b>901 12</b>	108 W	230 V	5.8
1816772	<b>901 13</b>	108 W	230 V	8.5

### H 901

#### SCAFFOLDING HOLDER

- For attaching light line lamps to building scaffolds



Code	No.	
1816810	<b>H 901 1</b>	880

### ST 901

#### TRIPOD STANDS

- Tripod stand for light line worklamps
- Professional quality made from galvanised steel
- Safer standing by means of stable feet
- Max. height 2.5 metres
- **ST 901 1** with built-on cable holder for storing the cable during storage or transport



Code	No.	
1816780	<b>ST 901 1</b>	5.9
1816799	<b>ST 901 2</b>	5.5
	Tripod stand	

### R 901

#### WHEEL SET for large tripod ST 901 1

- Mobilises the Profi tripod stand ST 901 1
- Consisting of 3 swivel castors with brake



Code	No.	
1816802	<b>R 901 1</b>	400

#### Protection class I

All electrically conductive parts of the equipment casing are connected to the equipment grounding conductor (earthing) system of the fixed electrical installation. Mobile or portable appliances with protection class I have a plug and socket connection with an equipment grounding contact, i.e. an earthing contact. The earthing connection is designed in such a way as to ensure that it is the first connection made, when the plug is inserted into the mains socket, and the last to be disconnected in the event of a fault. The power cable must be fitted with a mechanical strain-relief device at the point of entry into the equipment. If a fault occurs, in which a live conductor comes into contact with the casing, which is connected to earth, an earth contact is normally made, triggering the fuse and cutting the live power feed.



#### Protection class II

Equipment rated to protection class II has greater insulation or is double insulated, and is not connected to earth. This kind of safety measure is also referred to as protective insulation. Even if such equipment has electrically conductive surfaces, the increased level of insulation ensures that these surfaces are protected from coming into contact with live parts. Mobile or portable appliances with protection class II are not equipped with an earthed plug, that is to say: a three-pin plug is still used, but the earth pin is not connected.



#### Protection class III

Appliances rated to protection class III work with Safely Extra Low Voltage (SELV) and therefore need no explicit protection. Safely Extra Low Voltage (SELV) lamps are lamps rated at less than 50 V AC or 120 V DC, powered by a safety transformer as per DIN VDE 0551 (EN 60742) or by rechargeable or non-rechargeable batteries.




**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




Code	No.	L	W	
1802410	<b>WT 1056 1</b>	1330	145	450

**WT 1056 2**

- UNIVERSAL POUCH**
- ✔ Leather sleeve for knives
  - ✔ Hammer holder with metal hooks
  - ✔ Hook for tape measure



Code	No.	W	H	
1811096	<b>WT 1056 2</b>	290	290	340

**WT 1056 3**

- DRILL HOLSTER**
- ✔ Suitable for drill-machines and battery-drills
  - ✔ With pockets for screws and bits
  - ✔ Securing loop as loss-proof




Code	No.	W	H	
1818147	<b>WT 1056 3</b>	210	320	150

**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




Code	No.	W	H	
1818155	<b>WT 1056 4</b>	100	160	100

**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



Code	No.	W	H	
1818163	<b>WT 1056 5</b>	690	270	750

**Detailed information on products, promotions and trade fairs ... [www.gedore.com](http://www.gedore.com)**



### WT 1056 6

#### ELECTRICIANS' POUCH

- Generous pouch space
- 8 pockets for screwdrivers
- Extra pocket for insulation stripping knife
- Holding shackle for insulating tape



Code	No.	W	H	↕
1818171	<b>WT 1056 6</b>	240	320	500

### WT 1056 8

#### DUO POUCH

- Leather pocket for knife
- 2 large storage pockets



Code	No.	W	H	↕
1818201	<b>WT 1056 8</b>	240	280	360

### 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)



Code	No.	↳mm↳	↕
1818198	<b>WT 1056 7</b>	1330	1600
1963171	<b>WT 1056 7-1</b>		52



### WT 1056 9

#### ROLL-COVER

- With 12 inside pockets for slim tools, e.g. combination spanners or screwdrivers
- Delivery without tools



Code	No.	W	H	↕
1818228	<b>WT 1056 9</b>	320	350	120



### WT 1056 10

#### KNEE PADS, PAIR

- Made of strong synthetic leather with rubber
- Soft lining for comfortable kneeling
- Hook and loop fastener
- Universal size



Code	No.	↕
1818236	<b>WT 1056 10</b>	200

**WT 1056 11**

**TOOL RUCKSACK PROFI**

- ✔ 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
- ✔ The 3M reflective stripes provide high visibility and extra safety



Code	No.	W	H	D	
1818244	<b>WT 1056 11</b>	300	400	120	2300

**WT 1056 12**

**TOOL RUCKSACK SOFT**

- ✔ 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



Code	No.	W	H	D	
1818252	<b>WT 1056 12</b>	380	410	70	1500

**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



Code	No.	W	H	
1818260	<b>WT 1056 13</b>	480	660	1000

**SAFETY AT WORK**

**923**

**SAFETY SPECTACLES**

- ✔ GEDORE safety spectacles with UVEX technology as per DIN EN 166:2006
- ✔ Uncompromising safety, design and wearer comfort for continuous wear
- ✔ Optimum adjustment to the facial features by individually adjustable arms and lens tilt.
- Additional skin-friendly soft-component pads mould to the sensitive contact areas on the nose, ears and temple
- Scratchproof, mist-proof coated lenses with "NanoClean" effect ensure clear vision and are easy to clean
- ✔ Advantages of the different lens colours (availability depends on model):
- ✔ No. 923-1 colourless: 100% protection against UVA, UVB and UVC radiation as per DIN EN 166 and DIN EN 170
- ✔ No. 923-2 blue: 100% protection against UV radiation (UVA, UVB, UVC)
- ✔ Complies with DIN EN 172 requirements for the perception of signal colours.
- ✔ A slight bluish tint gives a very soothing effect on the human eye, aiding relaxed vision.
- ✔ Suitable for all workplaces - without colour check.
- ✔ Supplied in a black nylon bag



Code	No.	Execution		
1959468	<b>923-1</b>	clear	40	1
1959484	<b>923-2</b>	blue	40	1



Deviant packing units see article description.



### 924

#### EAR PLUGS WITH HEAD BAND

- ✔ Universal size
- ✔ Ideal for off-site and short-term deployments
- ✔ Designed for continuous noise up to 95 dB and pulsed noise up to 100 dB
- ✔ Secure-fit headband design
- ✔ The convex shape of the ear plugs allows them to be hygienically set down with no contact between the ear plugs and the rest
- ✔ Lightweight - just 8 g
- ✔ Signal yellow replacement plugs E-924, easy to fit, 5 pairs, hygienically packed



Code	No.	Size	Weight	Units
1959646	<b>924</b>		80	10
1959751	<b>E-924</b>		20	1

### 921

#### WORK GLOVES ORIGINAL

- ✔ For heavy duty use
- ✔ Retention of feel and dexterity
- ✔ Rubber reinforced finger tips
- ✔ Adjustable Velcro fasteners on the cuffs



Code	No.	Size	Weight	Units
1938622	<b>921 5</b>	XXXS/5	70	1
1938630	<b>921 6</b>	XXS/6	70	1
1938649	<b>921 7</b>	XS/7	70	1
1938657	<b>921 8</b>	S/8	70	1
1938665	<b>921 9</b>	M/9	80	1
1938673	<b>921 10</b>	L/10	80	1
1938681	<b>921 11</b>	XL/11	90	1
1938703	<b>921 12</b>	XXL/12	90	1
1938711	<b>921 13</b>	XXXL/13	90	1

## WORK GLOVES

- ✔ Work gloves - for heavy-duty industrial wear
- ✔ Stage 5 classification as per EN 420/03 (scale from 0 - 5)
- ✔ Rugged imitation leather and synthetic material
- ✔ Close fitting for retention of feel and dexterity



### 920

#### WORK GLOVES FASTFIT

- ✔ For universal use
- ✔ Retention of feel and dexterity
- ✔ Kind on the skin



Code	No.	Size	Weight	Units
1938576	<b>920 8</b>	S/8	70	1
1938584	<b>920 9</b>	M/9	70	1
1938592	<b>920 10</b>	L/10	80	1
1938606	<b>920 11</b>	XL/11	80	1
1938614	<b>920 12</b>	XXL/12	80	1

### 922

#### WORK GLOVES M-PACT

- ✔ For heavy duty use
- ✔ Retention of feel and dexterity
- ✔ Rubber reinforced finger tips
- ✔ Adjustable Velcro fasteners on the cuffs
- ✔ Additional knuckle protectors
- ✔ Ergonomic palm reinforcement



Code	No.	Size	Weight	Units
1938738	<b>922 8</b>	S/8	80	1
1938746	<b>922 9</b>	M/9	80	1
1938754	<b>922 10</b>	L/10	80	1
1938762	<b>922 11</b>	XL/11	90	1
1938770	<b>922 12</b>	XXL/12	90	1

**WORKWEAR**

**Material:**

- ▶ 100% diagonal serge, 290 g/m<sup>2</sup>
- ▶ Extremely rugged
- ▶ Washable up to 60°, shrink-proof as per DIN EN 26330  
Active-breathing

**Reinforcement:**

- ▶ 100% original "Cordura" by DuPont®, with original Teflon coating by DuPont, plain weave, approx. 310 g/m<sup>2</sup>, soft finish
- ▶ The production of Cordura involves re-spinning and weaving cut polyamide fibres to produce an extremely tear and wear resistant fabric
- ▶ Amongst other applications, Cordura is used in the production of protective motor cycle wear and belt materials

**Textile confidence with Öko-Tex Standard 100**

- ▶ Guarantees textiles that are completely safe and healthy
- ▶ Eliminates harmful substances or, where they are indispensable, reduces their use to a minimum
- ▶ Inspection by independent institutes



**925**

**JACKET**

- ▶ 2 outside Cordura side pockets (black) with press stud fasteners
- ▶ 2 breast pockets (grey) with flaps and Velcro fastening
- ▶ Sleeve pocket (grey) on the left sleeve, with adjustable sleeve band with Velcro fastener
- ▶ Elasticated waist band (blue)
- ▶ Covered buttons
- ▶ 2 golf pleats in the back (blue visible)
- ▶ 1 left inside pocket



Code	No.	Size	↕
1941887	<b>925 42</b>	42	780
1941895	<b>925 44</b>	44	780
1941909	<b>925 46</b>	46	780
1941917	<b>925 48</b>	48	780
1941925	<b>925 50</b>	50	890
1941933	<b>925 52</b>	52	890
1941941	<b>925 54</b>	54	890
1941968	<b>925 56</b>	56	1010
1941984	<b>925 58</b>	58	1010
1941992	<b>925 60</b>	60	1010
1942018	<b>925 62</b>	62	1210
1942026	<b>925 64</b>	64	1210
1942034	<b>925 90</b>	90	890
1942042	<b>925 94</b>	94	890
1942050	<b>925 98</b>	98	890
1942069	<b>925 102</b>	102	1010
1942077	<b>925 106</b>	106	1010
1942085	<b>925 110</b>	110	1010

**926**

**TROUSERS**

- ▶ 2 inside hanging pockets with press-stud fasteners
- ▶ 2 outside Cordura knee pockets (black)
- ▶ Pocket slits (inside blue) and pocket flaps set off with stripes (light blue)
- ▶ Double rule pocket on right, single rule pocket on left (both set off in blue)
- ▶ Left thigh pocket with flap (both grey) and stripe (light blue) and with Velcro fastener
- ▶ Elasticated waistband (cornflower blue) and inside button, together with 7 belt loops (grey)
- ▶ 2 seat pockets with flaps (both grey) and stripe (light blue)
- ▶ Left hammer loop (grey)
- ▶ Brass zipper
- ▶ Hanger (grey) sewn into waistband



Code	No.	Size	↕
1942093	<b>926 42</b>	42	740
1942107	<b>926 44</b>	44	740
1942115	<b>926 46</b>	46	740
1942123	<b>926 48</b>	48	740
1942131	<b>926 50</b>	50	850
1942158	<b>926 52</b>	52	850
1942166	<b>926 54</b>	54	850
1942174	<b>926 56</b>	56	980
1942182	<b>926 58</b>	58	980
1942190	<b>926 60</b>	60	980
1942204	<b>926 62</b>	62	1170
1942212	<b>926 64</b>	64	1170
1942220	<b>926 90</b>	90	840
1942239	<b>926 94</b>	94	840
1942247	<b>926 98</b>	98	840
1942255	<b>926 102</b>	102	980
1942263	<b>926 106</b>	106	980
1942271	<b>926 110</b>	110	980

**927**

**BIB OVERALL**

- ▶ 2 inside hanging pockets with press-stud fasteners
- ▶ 2 outside Cordura knee pockets (black)
- ▶ Pocket slits (inside blue) and pocket flaps set off with stripes (light blue)
- ▶ Double rule pocket on right, single rule pocket on left (both set off in blue)
- ▶ Left thigh pocket with flap (both slate grey) and stripe (light blue) and with Velcro fastener
- ▶ Elasticated, size-adjustable waistband (blue) with concealed press-stud
- ▶ 2 seat pockets with flaps (both grey) and stripe (light blue)
- ▶ Left hammer loop (grey)
- ▶ Brass zipper
- ▶ High back with crossover braces
- ▶ Elasticated braces
- ▶ Safety snap fasteners on the braces



Code	No.	Size	↕
1942298	<b>927 42</b>	42	1010
1942301	<b>927 44</b>	44	1010
1942328	<b>927 46</b>	46	1010
1942336	<b>927 48</b>	48	1010
1942344	<b>927 50</b>	50	1170
1942352	<b>927 52</b>	52	1170
1942360	<b>927 54</b>	54	1170
1942379	<b>927 56</b>	56	1260
1942387	<b>927 58</b>	58	1260
1942395	<b>927 60</b>	60	1260
1942409	<b>927 62</b>	62	1320

Code	No.	Size	
1942417	<b>927 64</b>	64	1320
1942425	<b>927 90</b>	90	1080
1942433	<b>927 94</b>	94	1080
1942441	<b>927 98</b>	98	1080
1942468	<b>927 102</b>	102	1230
1942476	<b>927 106</b>	106	1230
1942484	<b>927 110</b>	110	1230

### 928

#### MEN'S WORK COAT

- 2 outside Cordura side pockets (black) with press stud fasteners
- 2 breast pockets (grey) with flaps and Velcro fastening
- Sleeve pocket (grey) on the left sleeve with Velcro fastener
- Adjustable sleeve band with Velcro fastener
- Covered buttons
- Turn-down collar (grey)
- 2 golf pleats in the back (blue visible)
- 1 left inside pocket



Code	No.	Size	
1942492	<b>928 42</b>	42	920
1942506	<b>928 44</b>	44	920
1942514	<b>928 46</b>	46	920
1942522	<b>928 48</b>	48	920
1942530	<b>928 50</b>	50	1130
1942549	<b>928 52</b>	52	1130
1942557	<b>928 54</b>	54	1130
1942565	<b>928 56</b>	56	1240
1942573	<b>928 58</b>	58	1240
1942581	<b>928 60</b>	60	1240
1942603	<b>928 62</b>	62	1310
1942611	<b>928 64</b>	64	1310
1942638	<b>928 90</b>	90	990
1942646	<b>928 94</b>	94	990
1942654	<b>928 98</b>	98	990
1942662	<b>928 102</b>	102	1020
1942670	<b>928 106</b>	106	1020
1942689	<b>928 110</b>	110	1020

### 929

#### WOMEN'S WORK COAT

- 2 outside Cordura side pockets (black) with press stud fasteners
- 1 left breast pocket (grey) with flaps and Velcro fastening
- Covered buttons
- Turn-down collar (grey)
- 2 golf pleats in the back (blue visible)
- 1 left inside pocket



Code	No.	Size	
1942697	<b>929 36</b>	36	670
1942700	<b>929 38</b>	38	670
1942719	<b>929 40</b>	40	760
1942727	<b>929 42</b>	42	760
1942735	<b>929 44</b>	44	760
1942743	<b>929 46</b>	46	760
1942751	<b>929 48</b>	48	760
1942778	<b>929 50</b>	50	870
1942786	<b>929 52</b>	52	870
1942794	<b>929 54</b>	54	870

### 930

#### WORK VEST

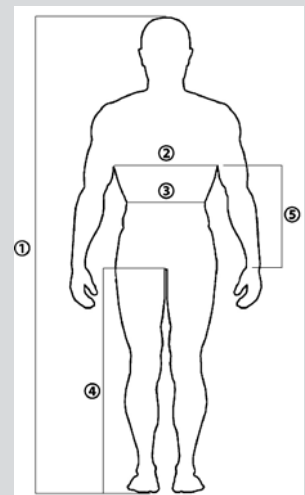
- 2 outside Cordura side pockets (black) with press stud fasteners
- 2 breast pockets (grey) with flaps and Velcro fastening
- Elasticated waist band (blue)
- Covered buttons
- Turn-down collar (grey)
- 2 golf pleats in the back (blue visible), 1 left inside pocket



Code	No.	Size	
1942808	<b>930 XS</b>	XS	610
1942816	<b>930 S</b>	S	610
1942824	<b>930 M</b>	M	610
1942832	<b>930 L</b>	L	660
1942840	<b>930 XL</b>	XL	660
1942859	<b>930 XXL</b>	XXL	660
1942867	<b>930 XXXL</b>	XXXL	730
1942875	<b>930 XXXXL</b>	XXXXL	730

## Protective workwear Size table in heights

	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70
<b>Normal build</b>																	
1. Height	156	160	164	168	171	174	177	180	182	184	186	188	190	192	194	196	198
2. Chest	76	80	84	88	92	96	100	104	108	112	116	120	124	128	132	136	140
3. Waist	64	68	72	76	80	84	88	92	98	102	108	114	120	126	132	138	144
4. Inside leg	71	72	73	74	76	78	79	80	81	82	83	84	84	85	86	87	88
5. Front sleeve length	40	41	42	43	44	45	46	47	47,5	48	48,5	49	49	49,5	50	50,5	51
<b>Large build</b>																	
1. Height	170	172	174	176	178	179	180	181	182	183							
2. Chest	100	104	108	112	116	120	124	128	132	136							
3. Waist	104	110	114	120	124	130	134	138	142	148							
4. Inside leg	74	75	76	78	79	80	81	82	83	84							
5. Front sleeve length	46	47	47,5	48	48,5	49	49	49,5	49,5	50							
<b>Slim build</b>																	
1. Height	177	180	183	186	188	190	192	194									
2. Chest	88	92	96	100	104	108	112	116									
3. Waist	76	80	84	88	92	96	100	104									
4. Inside leg	79	80	81	82	83	84	85	86									
5. Front sleeve length	46	47	48	49	49,5	50	50,5	51									
<b>Stocky build</b>																	
1. Height	168	171	174	176	178	180	182										
2. Chest	96	100	104	108	112	116	120										
3. Waist	88	92	96	100	106	110	114										
4. Inside leg	74	76	77	78	79	80	81										
5. Front sleeve length	44	45	45,5	46	46,5	47	47,5										





**GEDORE**

# CONTROLLED SAFETY SECURE PRECISION JOINTS

## OVERVIEW

- ✔ Torque tester and equipment
- ✔ Torque multipliers
- ✔ Torque angle indicators
- ✔ Special DREMO tools
- ✔ DREMOMETER range
- ✔ Torque screwdrivers
- ✔ Torque wrenches
- ✔ Electronic torque tester

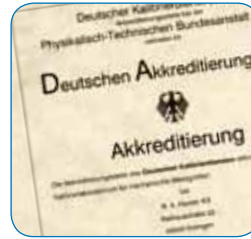








# OUR SERVICE - QUALIFIED AND CUSTOMISED



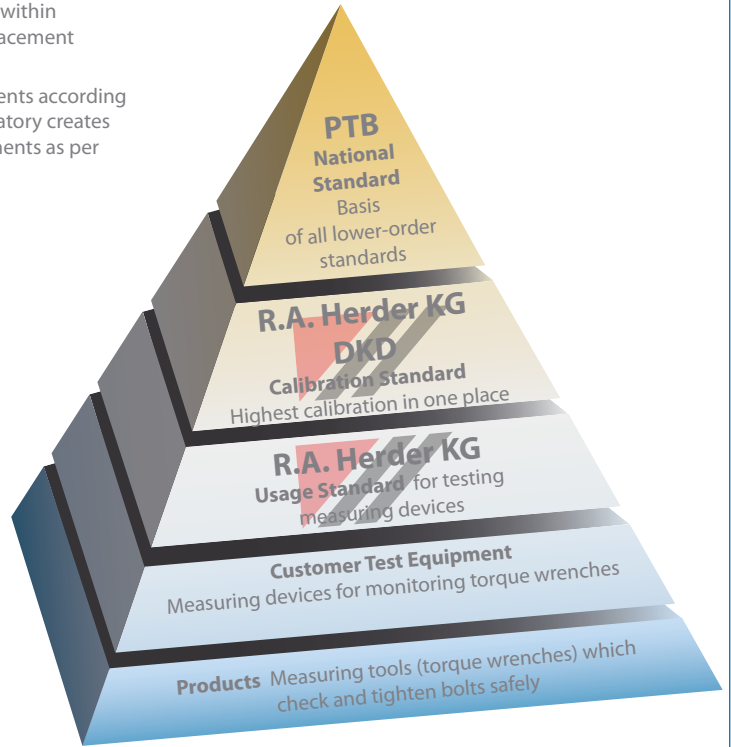
- ✔ Our repair service will repair your RAHSOL/GEDORE torque wrenches within 5-7 working days. On request, we will of course provide you with replacement tools - for a small fee.
- ✔ Our reasonably-priced factory calibration service fulfills the requirements according to DIN EN ISO 6789. Our proprietary accredited DKD calibration laboratory creates certificates in accordance with the applicable standards and requirements as per DKD 3-7 and DKD 3-8 as well as DIN EN ISO 6789:2003.

## OUR FACTORY CALIBRATION SERVICE WITH INSPECTION CERTIFICATE TO INDUSTRY STANDARD

All our own branded mechanical torque wrenches will be calibrated and adjusted in our factory. Each calibrated torque wrench will be provided with an inspection certificate.

The affixed works calibration mark provides an indicator of tested safety (month/year) at a glance. The mark will serve to support your inspection equipment monitoring.

We recommend an annual verification of your torque wrenches. Remember that the verification interval can be shorter if you reach the 5000 load cycles earlier on account of more intensive use.



## SERVICE CONCEPT

We have developed a new, customer-orientated service concept. A service flyer, with associated advice sheet gives you all the information you need about our services and procedure at a glance. Or simply visit us on the Internet at [www.gedore.de](http://www.gedore.de). Our service flyer, including advice sheet, can be downloaded from the site.

**SERVICE AT A GLANCE**



## 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...**



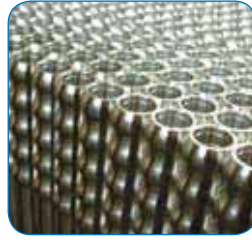
## SERVICE-TELEPHONE

Between 7.30 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 (0) 1804 37 36 68

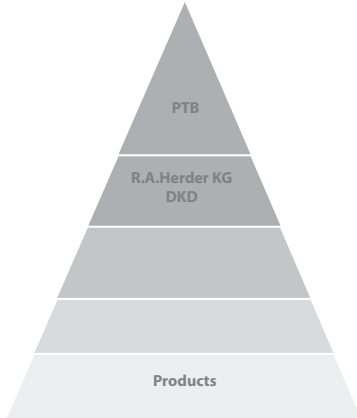
**INSTANT HELP ON THE SERVICE-TELEPHONE**





## DKD CALIBRATION WITH 100% SAFETY

DKD calibration - 100% documented safety



- Direct traceability to the national standard
- DKD calibration as per DKD guidelines 3-7 / 3-8 / DIN EN ISO 6789
- Minimum measurement inaccuracies
- DKD calibration of our own products and those of other manufacturers
- Air-conditioned laboratory controls under the most stringent conditions
- DKD calibration certificate and DKD calibration stamp

### DKD CALIBRATION

TEST SUBJECT



TEST DEVICE

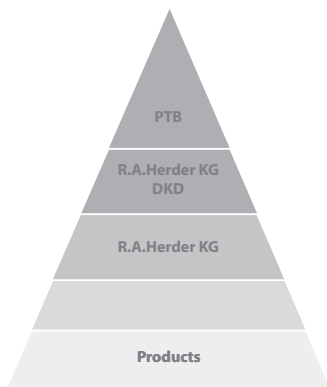


TEST RESULT



## FACTORY CALIBRATION - SOLID RELIABILITY!

We give you the security you need



- Direct traceability to the national standard
- Calibration according to the standard DIN EN ISO 6789
- Calibration if necessary with adjustments and repairs - for RAHSOL/GEDORE products only
- Test certificate and calibration stamp

### Calibration

TEST SUBJECT



TEST DEVICE



TEST RESULT



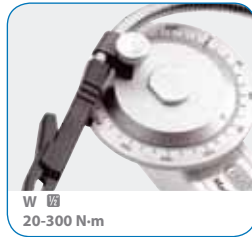
### REMARK

The creation of a test certificate in accordance with R. A. Herder KG criteria, as well as adjustment and repair, is only possible for torque wrenches and torque testers made by R. A. Herder KG. Depending on requirements and on the customer's wishes, we will calibrate in accordance with DKD guidelines or according to RAHSOL criteria.



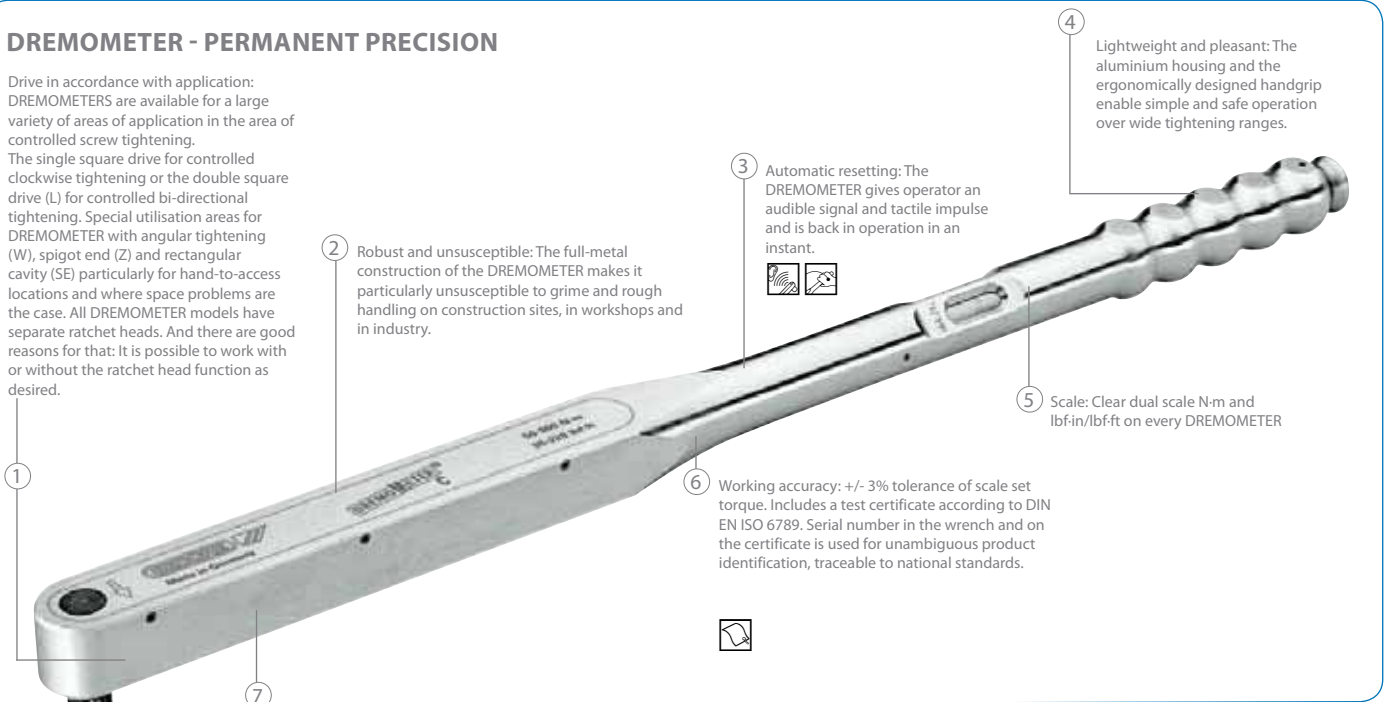
# DREMOMETER

Torque wrench made of high-strength aluminium alloy



## DREMOMETER - PERMANENT PRECISION

Drive in accordance with application: DREMOMETERS are available for a large variety of areas of application in the area of 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 angular tightening (W), spigot end (Z) and rectangular cavity (SE) particularly for hand-to-access locations and where space problems are the case. 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.



2 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.

3 Automatic resetting: The DREMOMETER gives operator an audible signal and tactile impulse and is back in operation in an instant.

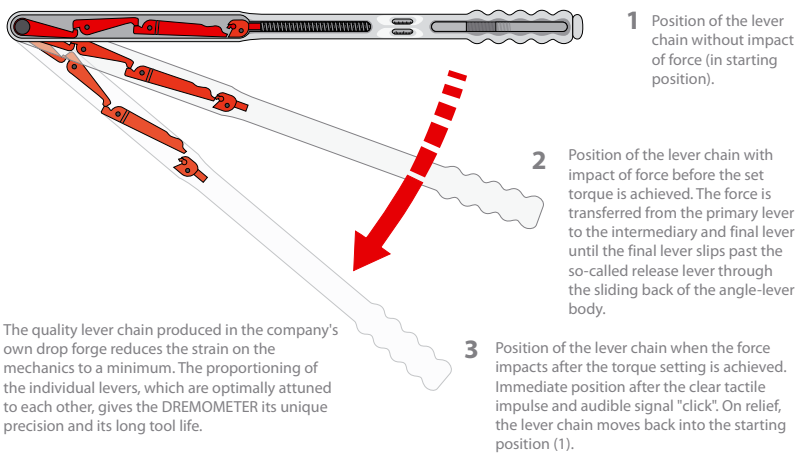
4 Lightweight and pleasant: The aluminium housing and the ergonomically designed handgrip enable simple and safe operation over wide tightening ranges.

5 Scale: Clear dual scale N-m and lbf-in/lbf-ft on every DREMOMETER

6 Working accuracy: +/- 3% tolerance of scale set torque. Includes a test certificate according to DIN EN ISO 6789. Serial number in the wrench and on the certificate is used for unambiguous product identification, traceable to national standards.

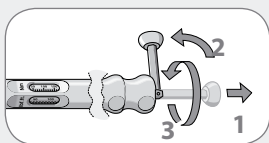
7 Maximum precision: Extended tool life and long life cycle even if used intensely over a long period.

## 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.

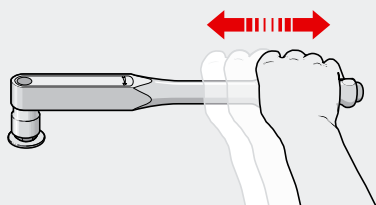
## TECHNOLOGY



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 safety device (A+S).

## DREMOMETER TYPE MINI - F

Operable without inaccuracies



Irrespective of where you apply the force - whether it be at the centre of the handgrip or at another part of the DREMOMETER, with both hands or using extension tube - your torque setting will always be attained precisely - without shifts in value. By virtue of the unique single-axis location of the centre of rotation and the output square drive, the DREMOMETER is a tool which can be operated free from errors. By contrast to conventional torque wrenches, this single lever enables tightening to take place without shifts in the measured value and without interfering with the precision caused by activation outside of the handgrip. (However, bear possible shifts in value in mind when activating the DREMOMETER with special spanners or in general in the case of spanners having different depth gauges.)



# MECHANICAL TORQUE WRENCHES

## DREMOMETER MINI-F

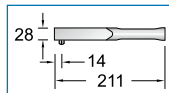
753

### DREMOMETER MINI 2-12 N-m / 18-106 lbf-in

- Working accuracy: +/- 3% tolerance of scale set torque
- 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
- Micrometer scale graduations of 0.05 N-m
- Window with a magnifying-glass effect

6.3

1/4"



Code	No.	Type	Inclusion	↔
1957694	<b>753-11</b>	MINI	in plastic box	253
1957708	<b>753-12</b>	MINI	in plastic cassette	628
1957724	<b>753-13</b>	MINI	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	968
1957732	<b>753-14</b>	MINI	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	968

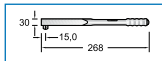
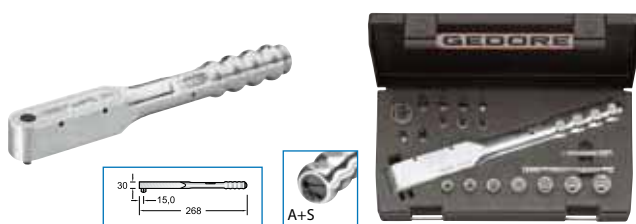
## 8554 - 8559 AM

### DREMOMETER 6-30 N-m / 50-270 lbf-in

- Working accuracy: +/- 3% tolerance of scale set torque
- Full-metal construction from high-strength aluminium alloy
- With 1/4" single square drive for controlled clockwise tightening (type AM No. 8554) or double square drive for bi-directional tightening (type AML No. 8559)
- If ordering with pre-set-value locking and safety device (type AM/AML A+S No. 7554/7559), please specify the N-m value - if fixed factory-pre-setting is desired

6.3

1/4"



Code	No.	Type	Inclusion	↔
7775440	<b>8554-01</b>	AM	in plastic box	580
7775870	<b>8559-01</b>	AML	in plastic box	580
1210891	<b>7554-01</b>	AM A+S	in plastic box, with pre-set-value locking and safety device	580
1210904	<b>7559-01</b>	AML A+S	in plastic box, with pre-set-value locking and safety device	580
7674090	<b>8554-02</b>	AM	in plastic cassette	910
7673790	<b>8559-02</b>	AML	in plastic cassette	910
7674170	<b>8554-03</b>	AM	Set mm ○ 8 9 10 11 12 13 14 ⊕ 3 ⊖ 5,5 ● 4 5 6 8 ● T20 T27 T30 ● 754-00 ⊖ 55 + 97 mm	1300
7675060	<b>8559-03</b>	AML	Set mm ○ 8 9 10 11 12 13 14 ⊕ 3 ⊖ 5,5 ● 4 5 6 8 ● T20 T27 T30 ● 754-00 ⊖ 55 + 97 mm	1300
7674410	<b>8554-04</b>	AM	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	1300
7675140	<b>8559-04</b>	AML	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	1300

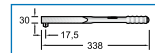
## 8560 - 8565 A

### DREMOMETER 8-40 N-m / 70-350 lbf-in

- Working accuracy: +/- 3% tolerance of scale set torque
- Full-metal construction from high-strength aluminium alloy
- With 3/8" single square drive for controlled clockwise tightening (type A No. 8560) or double square drive for bi-directional tightening (type AL No. 8565)
- If ordering with pre-set-value locking and safety device (type A/AL A+S no. 7560/7565), please specify the N-m value - if fixed factory-pre-setting is desired

10

3/8"



Code	No.	Type	Inclusion	↔
7682000	<b>8560-01</b>	A	in plastic box	1.0
7682190	<b>8565-01</b>	AL	in plastic box	1.0
7708920	<b>7560-01</b>	A A+S	in plastic box, with pre-set-value locking and safety device	1.0
1210939	<b>7565-01</b>	AL A+S	in plastic box, with pre-set-value locking and safety device	1.0
7682270	<b>8560-02</b>	A	in a sheet-metal case	2.2
7682350	<b>8565-02</b>	AL	in a sheet-metal case	2.2
7682430	<b>8560-03</b>	A	Set mm ○ 8 10 11 13 14 15 17 19 ● 4 5 6 8 ● 754-01 ⊖ 125 + 250 mm	3.1
7682940	<b>8565-03</b>	AL	Set mm ○ 8 10 11 13 14 15 17 19 ● 4 5 6 8 ● 754-01 ⊖ 125 + 250 mm	3.1
7683160	<b>8560-04</b>	A	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	3.0
7683240	<b>8565-04</b>	AL	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	3.0

Detailed information on products, promotions and trade fairs

... www.gedore.com



- On request, all torque wrenches can be factory pre-set.
- When ordering, please specify the N-m value.
- pre-setting



**8561 - 8566 B**

**DREMOMETER 20-120 N-m / 15-90 lbf-ft**

- Working accuracy: +/- 3% tolerance of scale set torque
- Full-metal construction from high-strength aluminium alloy
- With 1/2" single square drive for controlled clockwise tightening (type B no. 8561) or double square drive for bi-directional tightening (type BL no. 8566)
- If ordering with pre-set-value locking and safety device (type B/BL A+S no. 7561/7566), please specify the N-m value - if fixed factory-pre-setting is desired (price on request)

12.5

1/2"



Code	No.	Type	Inclusion	12.5
7683320	<b>8561-01</b>	B	in plastic box	1.5
7683400	<b>8566-01</b>	BL	in plastic box	1.5
7709060	<b>7561-01</b>	B A+S	in plastic box, with pre-set-value locking and safety device	1.5
1210947	<b>7566-01</b>	BL A+S	in plastic box, with pre-set-value locking and safety device	1.5
7683830	<b>8561-02</b>	B	in a sheet-metal case	2.8
7684130	<b>8566-02</b>	BL	in a sheet-metal case	2.8
7684480	<b>8561-03</b>	B	Set mm ○ 11 13 14 17 19 22 24 ● 6 8 10 12 ⊗ 754-02 ↔ 76 + 125 + 250 mm	4.7
7684640	<b>8566-03</b>	BL	Set mm ○ 11 13 14 17 19 22 24 ● 6 8 10 12 ⊗ 754-02 ↔ 76 + 125 + 250 mm	4.7
7684990	<b>8561-04</b>	B	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	5.3
7685100	<b>8566-04</b>	BL	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	5.3

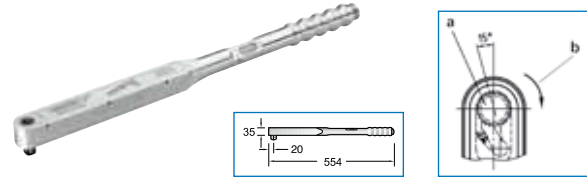
**8573-10 BCK**

**DREMOMETER 40-200 N-m / 30-150 lbf-ft**

- Working accuracy: +/- 3% tolerance of scale set torque
- Full-metal construction from high-strength aluminium alloy
- With integrated ratchet with 1/2" square drive for controlled clockwise tightening
- a = integrated ratchet
- b = clockwise tightening

12.5

1/2"



Code	No.	Type	Inclusion	12.5
1905449	<b>8573-10</b>	BCK	in plastic box	1.4



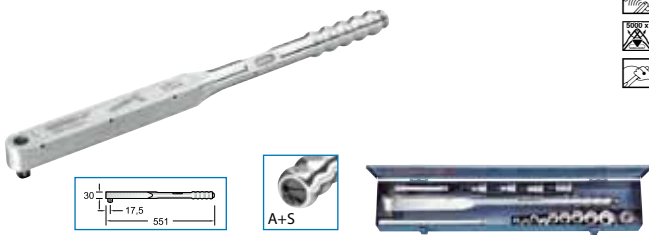
**8573 - 8578 BC**

**DREMOMETER 40-200 N-m / 30-150 lbf-ft**

- Working accuracy: +/- 3% tolerance of scale set torque
- Full-metal construction from high-strength aluminium alloy
- With 1/2" single square drive for controlled clockwise tightening (type BC no. 8573) or double square drive for bi-directional tightening (type BCL no. 8578)
- If ordering with pre-set-value locking and safety device (type BC/BCL A+S no. 7573/7578), please specify the N-m value - if fixed factory-pre-setting is desired (price on request)

12.5

1/2"



Code	No.	Type	Inclusion	12.5
7685530	<b>8573-00</b>	BC	in plastic box	1.4
7683670	<b>8578-00</b>	BCL	in plastic box	1.3
1211013	<b>7573-00</b>	BC A+S	in plastic box, with pre-set value locking and safety device	1.4
1427113	<b>7578-00</b>	BCL A+S	in plastic box, with pre-set value locking and safety device	1.3
7683590	<b>8573-02</b>	BC	in a sheet-metal case	3.5
7683750	<b>8578-02</b>	BCL	in a sheet-metal case	3.5
7683910	<b>8573-03</b>	BC	Set mm ○ 11 13 14 17 19 21 22 24 27 ● 6 8 10 12 ⊗ 754-02 ↔ 125 + 250 mm	5.1
7684050	<b>8578-03</b>	BCL	Set mm ○ 11 13 14 17 19 21 22 24 27 ● 6 8 10 12 ⊗ 754-02 ↔ 125 + 250 mm	5.1
7684720	<b>8573-04</b>	BC	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	4.9
7684210	<b>8578-04</b>	BCL	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	4.9

**8562 - 8567 C**

**DREMOMETER 50-300 N-m / 35-220 lbf-ft**

- Working accuracy: +/- 3% tolerance of scale set torque
- Full-metal construction from high-strength aluminium alloy
- With 1/2" single square drive for controlled clockwise tightening (type C no. 8562) or double square drive for bi-directional tightening (type C no. 8567)
- If ordering with pre-set-value locking and safety device (type C/CL A+S no. 7562/7567), please specify the N-m value - if fixed factory-pre-setting is desired (price on request)

12.5

1/2"



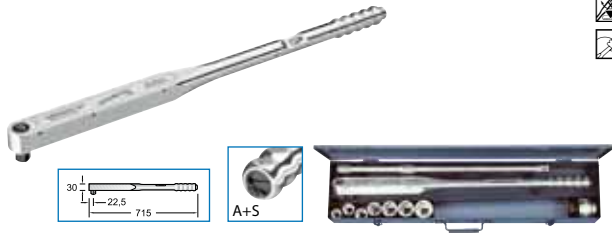
Code	No.	Type	Inclusion	12.5
7685450	<b>8562-10</b>	C	in plastic box	2.0
7685960	<b>8567-10</b>	CL	in plastic box	2.0
7709650	<b>7562-10</b>	C A+S	in plastic box, with pre-set-value locking and safety device	2.0
1210955	<b>7567-10</b>	CL A+S	in plastic box, with pre-set-value locking and safety device	2.0
7686340	<b>8562-20</b>	C	in a sheet-metal case	3.6
7686690	<b>8567-20</b>	CL	in a sheet-metal case	3.6
7687070	<b>8562-30</b>	C	Set mm ○ 17 19 22 24 27 30 32 ● 8 10 12 14 ⊗ 754-02 ↔ 76 + 125 + 250 mm	6.0
7687310	<b>8567-30</b>	CL	Set mm ○ 17 19 22 24 27 30 32 ● 8 10 12 14 ⊗ 754-02 ↔ 76 + 125 + 250 mm	6.0
7687820	<b>8562-40</b>	C	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	6.2
7688120	<b>8567-40</b>	CL	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	6.2



### 8570 - 8575 CD

#### DREMOMETER 80-360 N-m / 60-260 lbf-ft

- Working accuracy: +/- 3% tolerance of scale set torque
- Full-metal construction from high-strength aluminium alloy
- With 3/4" single square drive for controlled clockwise tightening (type CD no. 8570) or double square drive for bi-directional tightening (type CDL no. 8575)
- If ordering with pre-set-value locking and safety device (type CD/CDL A+S no. 7574/7575), please specify the N-m value - if fixed factory-pre-setting is desired (price on request)

**20****3/4"**

Code	No.	Type	Inclusion	Weight
7688470	<b>8570-10</b>	CD	in cardboard packaging	2.4
7688710	<b>8575-10</b>	CDL	in cardboard packaging	2.4
1210998	<b>7570-10</b>	CD A+S	in cardboard packaging, with pre-set-value locking and safety device	2.4
1211021	<b>7575-10</b>	CDL A+S	in cardboard packaging, with pre-set-value locking and safety device	2.4
7689280	<b>8570-20</b>	CD	in a sheet-metal case	6.2
7689520	<b>8575-20</b>	CDL	in a sheet-metal case	6.2
7689950	<b>8570-30</b>	CD	Set mm O 19 22 24 27 30 32 754-04 200 + 400 mm	11.0
7690290	<b>8575-30</b>	CDL	Set mm O 19 22 24 27 30 32 754-04 200 + 400 mm	11.0
7690530	<b>8570-40</b>	CD	Set INCH O 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	11.3
7691180	<b>8575-40</b>	CDL	Set INCH O 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	11.3



### 8574 - 8579 DS

#### DREMOMETER 110-550 N-m / 80-400 lbf-ft

- Working accuracy: +/- 3% tolerance of scale set torque
- Full-metal construction from high-strength aluminium alloy
- With 3/4" single square drive for controlled clockwise tightening (type DS no. 8574) or double square drive for bi-directional tightening (type DSL no. 8579)
- If ordering with pre-set-value locking and safety device (type DS/DSL A+S no. 7574/7579), please specify the N-m value - if fixed factory-pre-setting is desired (price on request)

**20****3/4"**

Code	No.	Type	Inclusion	Weight
1427156	<b>8574-10</b>	DS	in cardboard packaging	2.9
1427121	<b>8579-10</b>	DSL	in cardboard packaging	2.9
1427164	<b>7574-10</b>	DS A+S	in cardboard packaging, with pre-set-value locking and safety device	2.9
1427148	<b>7579-10</b>	DSL A+S	in cardboard packaging, with pre-set-value locking and safety device	2.9
1436112	<b>8574-20</b>	DS	in a sheet-metal case	6.7
1436120	<b>8579-20</b>	DSL	in a sheet-metal case	6.7

### 8563 - 8568 D

#### DREMOMETER 140-760 N-m / 100-560 lbf-ft

- Working accuracy: +/- 3% tolerance of scale set torque
- Full-metal construction from high-strength aluminium alloy
- With 3/4" single square drive for controlled clockwise tightening (type D no. 8563) or double square drive for bi-directional tightening (type DL no. 8568)
- If ordering with pre-set-value locking and safety device (type D/DL A+S no. 7563/7568), please specify the N-m value - if fixed factory-pre-setting is desired (price on request)

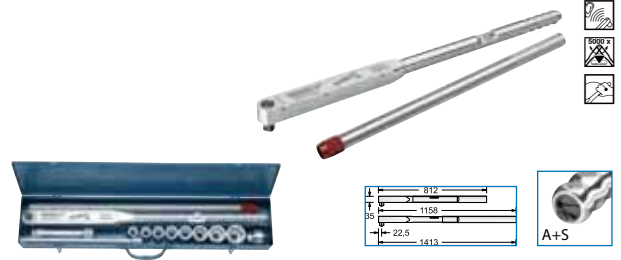
**20****3/4"**

Code	No.	Type	Inclusion	Weight
7691500	<b>8563-10</b>	D	in cardboard packaging	3.2
7691850	<b>8568-10</b>	DL	in cardboard packaging	3.2
1210921	<b>7563-10</b>	D A+S	in cardboard packaging, with pre-set-value locking and safety device	3.2
1210971	<b>7568-10</b>	DL A+S	in cardboard packaging, with pre-set-value locking and safety device	3.2
7692070	<b>8563-20</b>	D	in a sheet-metal case	7.7
7692310	<b>8568-20</b>	DL	in a sheet-metal case	7.7
7692660	<b>8563-30</b>	D	Set mm O 22 24 27 30 32 36 41 46 754-04 200 + 400 mm	13.6
7692900	<b>8568-30</b>	DL	Set mm O 22 24 27 30 32 36 41 46 754-04 200 + 400 mm	13.6
7693200	<b>8563-40</b>	D	Set INCH O 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	13.3
7693550	<b>8568-40</b>	DL	Set INCH O 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	13.3

### 8563 - 8568 DR

#### DREMOMETER 140-760 N-m / 100-560 lbf-ft

- Working accuracy: +/- 3% tolerance of scale set torque
- Full-metal construction from high-strength aluminium alloy
- With 3/4" single square drive for controlled clockwise tightening (type DR no. 8563) or double square drive for bi-directional tightening (type DRL no. 8568)
- If ordering with pre-set-value locking and safety device (type DR/DRL A+S no. 7563/7568), please specify the N-m value - if fixed factory-pre-setting is desired (price on request)

**20****3/4"**

Code	No.	Type	Inclusion	Weight
7670180	<b>8563-01</b>	DR	in cardboard packaging with extension tube	5.0
7670500	<b>8568-01</b>	DRL	in cardboard packaging with extension tube	5.0
1210912	<b>7563-01</b>	DR A+S	in cardboard packaging with extension tube, with pre-set-value locking and safety device	5.0
1210963	<b>7568-01</b>	DRL	in cardboard packaging with extension tube, with pre-set-value locking and safety device	5.0
7670260	<b>8563-02</b>	DR	in a sheet-metal case with extension tube	8.8
7670690	<b>8568-02</b>	DRL	in a sheet-metal case with extension tube	8.8
7670340	<b>8563-03</b>	DR	Set mm O 22 24 27 30 32 36 41 46 754-04 200 + 400 mm	14.4
7670770	<b>8568-03</b>	DRL	Set mm O 22 24 27 30 32 36 41 46 754-04 200 + 400 mm	14.4
7670420	<b>8563-04</b>	DR	Set INCH O 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	16.7
7670850	<b>8568-04</b>	DRL	Set INCH O 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	16.7



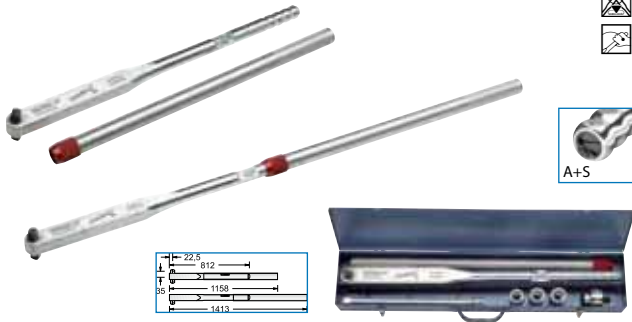
**8568 DR-LKW**

**DREMOMETER 140-760 N-m / 100-560 lbf-ft**

- Working accuracy: +/- 3% tolerance of scale set torque
- Full-metal construction from high-strength aluminium alloy
- With 3/4" double square drive for bi-directional tightening (type DRL no. 8568) with aluminium extension tube in a special truck set
- Aluminium extension tube can be adjusted stepless (lever length of 1052-1306 mm)

20

3/4"



Code	No.	Type	Inclusion	Weight
7670930	<b>8568-35</b>	DR-LKW	Set mm Ø 27 30 32 754-04 400 mm	12.3

**EXTENSION TUBES FOR DREMOMETER DR - F + W**

- Spare extension tube for torque wrench series DREMOMETER DR - F and DXZ
- To enable high torque values by means of extending the lever arm
- Extension tubes 8572-74 / 8564-92 / 8564-40 made from high-grade, galvanised steel
- Extension tube 8571-80 made from high-grade aluminium with anodised locknuts - extremely lightweight



Code	No.	Length (mm)	Weight
7622020	<b>8572-74</b>	745	3.6
1686313	<b>8571-80</b>	772	0.8
7621720	<b>8564-92</b>	925	3.4
7621640	<b>8564-40</b>	400	2.3

**8571 - 8576 DX**

**DREMOMETER 520-1000 N-m / 380-730 lbf-ft**

- Working accuracy: +/- 3% tolerance of scale set torque
- Full-metal construction from high-strength aluminium alloy
- With 3/4" single square drive for controlled clockwise tightening (type DX no. 8571) or double square drive for bi-directional tightening (type DXL no. 8576)
- If ordering with pre-set-value locking and safety device (type DX/DXL A+S no. 7571/7576), please specify the N-m value - if fixed factory-pre-setting is desired (price on request)

20

3/4"



Code	No.	Type	Inclusion	Weight
7694010	<b>8571-01</b>	DX	in cardboard packaging with extension tube	5.6
7694360	<b>8576-01</b>	DXL	in cardboard packaging with extension tube	5.6
1211005	<b>7571-01</b>	DX A+S	in cardboard packaging with extension tube, with pre-set-value locking and safety device	5.6
1211048	<b>7576-01</b>	DXL A+S	in cardboard packaging with extension tube, with pre-set-value locking and safety device	5.6
7694520	<b>8571-02</b>	DX	in a sheet-metal case with extension tube	10.0
7694600	<b>8576-02</b>	DXL	in a sheet-metal case with extension tube	10.0
7694870	<b>8571-03</b>	DX	Set mm Ø 30 32 36 41 46 50 754-04 200 + 400 mm	16.8
7694950	<b>8576-03</b>	DXL	Set mm Ø 30 32 36 41 46 50 754-04 200 + 400 mm	16.8
7695170	<b>8571-04</b>	DX	Set INCH Ø 1.1/8 1.1/4 1.3/8 1.1/2 1.3/4 1.7/8" 754-04 200 + 400 mm	16.0
7695330	<b>8576-04</b>	DXL	Set INCH Ø 1.1/8 1.1/4 1.3/8 1.1/2 1.3/4 1.7/8" 754-04 200 + 400 mm	16.0

**8564 - 8569 E**

**DREMOMETER SET 750-2000 N-m**

- Working accuracy: +/- 3% tolerance of scale set torque
- Full-metal construction from high-strength aluminium alloy
- With 1" single square drive for controlled clockwise tightening (type E no. 8564) or double square drive for bi-directional tightening (type EL no. 8569)
- If ordering with pre-set-value locking and safety device (type E/EL A+S no. 7564/7569), please specify the N-m value - if fixed factory-pre-setting is desired (price on request)

25

1"



Code	No.	Type	Inclusion	Weight
7695250	<b>8564-01</b>	E	in cardboard box with 2 extension tubes	11.6
7695410	<b>8569-01</b>	EL	in cardboard box with 2 extension tubes	11.6
1547232	<b>7564-01</b>	E A+S	in cardboard box with 2 extension tubes, with pre-set-value locking and safety device	11.6
1547240	<b>7569-01</b>	EL A+S	in cardboard box with 2 extension tubes, with pre-set-value locking and safety device	11.6
7695680	<b>8564-02</b>	E	in a sheet-metal case with 2 extension tubes	24.3
7695840	<b>8569-02</b>	EL	in a sheet-metal case with 2 extension tubes	24.3
7696060	<b>8564-03</b>	E	Set mm Ø 36 41 46 50 55 60 65 70 754-06 200 + 400 mm	42.4
7696140	<b>8569-03</b>	EL	Set mm Ø 36 41 46 50 55 60 65 70 754-06 200 + 400 mm	42.4







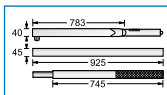
### 8572 F

#### DREMOMETER 1500-3000 N-m

- Working accuracy: +/- 3% tolerance of scale set torque
- Full-metal construction from high-strength aluminium alloy
- Extension tubes (no. 8564-92/8572-74) with max. lever length of 2313 mm
- If ordering with pre-set-value locking and safety device (type F A+S no. 7572), please specify the N-m value - if fixed factory-pre-setting is desired (price on request)

40

1 1/2



Code	No.	Type	Inclusion	Weight
7717160	<b>8572-01</b>	F	in cardboard packaging with 2 extension tubes	13.2
1547259	<b>7572-01</b>	F A+S	in cardboard packaging with 2 extension tubes with pre-set-value locking and safety device	13.2
7717240	<b>8572-02</b>	F	in a sheet-metal case with 2 extension tubes	24.0

## TORQUE LIMITERS

### 8100 - 8116

#### TORQUE LIMIT UNIT 3/8"

- No. 8116 - Sparking-plug socket with built-in torque limit unit
- No. 8100 - Torque limiting adaptor for torque control with sparking-plug sockets. Fits with 3/8" female square drives
- All models of the torque limiting adaptors are available with a factory pre-set torque value in the range of 8-25 N-m (price on request)



10

3/8"

10

3/8"



Code	No.	■ / □	N-m	Weight
7717830	<b>8116-18</b>	3/8" ■ / 16" □	18	200
7717910	<b>8100-18</b>	3/8" ■ / 3/8" □	18	150
7717670	<b>774-00</b>	3/8" □ / 3/8" □	30	



### 754

#### RATCHET HEADS DREMOMETER

- Fine-pitched, sturdy ratchet head
- Clockwise models (no. 754-00 to -06)
- Counter-clockwise models (no. 754-11 to -16)
- Made of chrome-vanadium steel

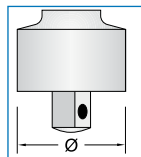
6,3 1/4

10 3/8

12,5 1/2

20 3/4

25 1"



Code	No.	□*	■*	Ø mm	∠°	Use	Weight
7680490	<b>754-00</b>	1/4	1/4	24	18,0	MINI, AM	54
7680570	<b>754-01</b>	3/8	3/8	35	20,0	A	150
7680650	<b>754-02</b>	1/2	1/2	46	7,5	B, BC, C	350
7680730	<b>754-04</b>	3/4	3/4	65	10,0	CD, DS, D, DR, DX	1000
7680810	<b>754-06</b>	1	1	73	10,0	E	2500
7686770	<b>754-11</b>	3/8	3/8	35	20,0	AL	150
7686850	<b>754-12</b>	1/2	1/2	46	7,5	BL, BCL, CL	350
7686930	<b>754-14</b>	3/4	3/4	65	10,0	CDL, DSL, DL, DRL, DXL	1000
7687150	<b>754-16</b>	1	1	73	10,0	EL	1800

Deviant packing units see article description.

### 8200

#### TORQUE ANGLE INDICATOR

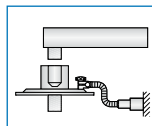
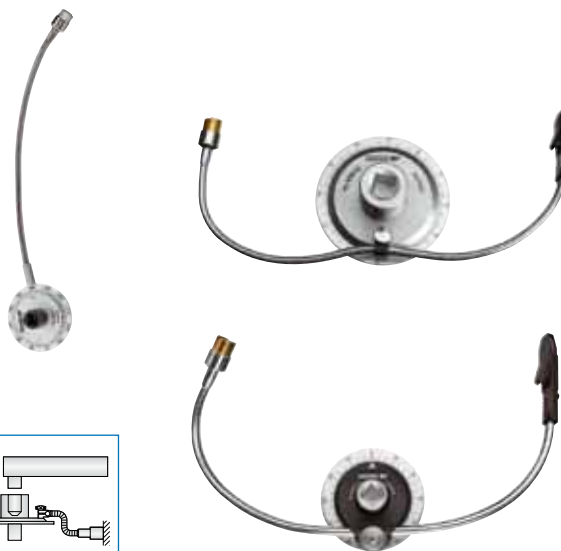
- For additional precise angle tightening (0-360°)
- No. 8200-01/-02 models with sliding magnetic and gripping arm
- No. 8200-11 only with magnetic arm - simple design
- To operate with a suitable torque wrench
- The maximum output of the torque wrench must not be passed

12,5

1 1/2

20

3/4



Code	No.	■*	■	Ø mm	∠°	Weight
1195980	<b>8200-01</b>	1/2	12,5	80	0-360	330
7718480	<b>8200-11</b>	1/2	12,5	82	0-360	330
7716510	<b>8200-02</b>	3/4	20,0	120	0-360	530

Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)





**DREMOMETER W**

**TECHNICAL INFORMATION ANGULAR TIGHTENING**

For activation with torque angle measurement, set the DREMOMETER to the stipulated setting torque. Loosen the lamping screw on the flexible rod and place the magnet firmly onto the metallic surface or securely affix the claw to the other end of the flexible spindle. In the process, bend the rod into place and firmly re-tighten the clamping screw. Slowly and evenly pull through the DREMOMETER until the "click" is heard. The proper resting position of the screw on the surface (setting torque) has now been reached. Now, hold the DREMOMETER in this position and set the angle-disc to the desired angle. Pull it further until the arrow is pointing to zero. The connection now has the desired pre-tension force.

**Please note:**

Pay attention to the maximum output of the torque wrenches to avoid overloading. The total torque (set torque plus angle tightening) may not pass the indicated maximum output of the torque wrenches.

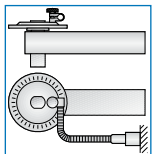
**8261 - 8273 W**

**DREMOMETER 20-300 N-m / 15-220 lbf-ft**

- Working accuracy: +/- 3% tolerance of scale set torque
- Torque angle indicator with a sliding magnetic and gripping arm
- Full-metal construction from high-strength aluminium alloy
- For controlled clockwise tightening with angle measurement
- The maximum output of the torque wrench must not be passed
- The 4-piece DREMOMETER W set (-03) with 1/2" accessories: 1x ratchet head for controlled clockwise tightening (no. 754-02), 2x extension tubes (125 + 250 mm)
- Delivery in solid sheet metal case

12.5

1/2"



Code	No.	Type	"	N-m	lbf-ft	Wrench	Set
7696730	<b>8261-03</b>	BW	1/2	20-120	15-90	1500	4700
7696810	<b>8273-03</b>	BCW	1/2	40-200	30-150	1700	4800
7697030	<b>8262-03</b>	CW	1/2	50-300	35-220	1900	5200

**DREMOMETER Z**

**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 DREMOMETER Z is used, it is possible to work both in the forward direction and also to the side.



**8460 - 8471 Z**

**DREMOMETER WITH QUICK-FITTING CHANGE 8-1000 N-m / 70 lbf-in-730 lbf-ft**

- Working accuracy: +/- 3% tolerance of scale set torque
- Full-metal construction from high-strength aluminium alloy, type DXZ with aluminium extension tube
- Factory depth gauges: 32 mm (16), 56 mm (22) or 75 mm (28), use type DXZ only with aluminium extension tube
- If ordering with pre-set-value locking and safety device (AZ to DXZ A+S no. 7460-7471), please specify the N-m value - if fixed factory-pre-setting is desired (price on request)

16

22

28



Code	No.	Type	Ø	N-m	lbf-in	lbf-ft	Set
7703610	<b>8460-01</b>	AZ	16	8-40	70-350		1000
7704260	<b>8461-01</b>	BZ	16	20-120		15-90	1450
7704340	<b>8462-01</b>	CZ	16	50-400		35-300	2000
7703020	<b>8463-10</b>	DZ	22	140-620		105-450	3000
1251341	<b>8471-01</b>	DXZ	28	520-1000		380-730	5500
1427067	<b>7460-01</b>	AZ A+S	16	8-40	70-350		1000
1427075	<b>7461-01</b>	BZ A+S	16	20-120		15-90	1450
1225669	<b>7462-01</b>	CZ A+S	16	50-400		35-300	2000
1427083	<b>7463-10</b>	DZ A+S	22	140-620		105-450	3000
1521977	<b>7471-01</b>	DXZ A+S	28	520-1000		380-730	5500

- On request, all torque wrenches can be factory pre-set.
- When ordering, please specify the N-m value.
- pre-setting

Deviant packing units see article description.

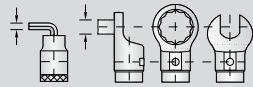




## END FITTINGS 16 Z

### Accessories

- End fittings with spigot ends are available in ring ends, open ends, TORX®, INBUS® and flare ends. Square-heads and ratchet-heads can be used with the appropriate sockets.



## 8792

### RING END FITTING 16 Z

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

16



Code	No.	Ø mm	Depth gauge	±0.1
7775010	<b>8792-07</b>	7	32	90
7775280	<b>8792-08</b>	8	32	90
7775360	<b>8792-09</b>	9	32	90
7712600	<b>8792-10</b>	10	32	100
7712790	<b>8792-11</b>	11	32	100
7677190	<b>8792-12</b>	12	32	100
7712870	<b>8792-13</b>	13	32	140
7712950	<b>8792-14</b>	14	32	140
7713090	<b>8792-15</b>	15	32	140
7713170	<b>8792-16</b>	16	32	180
7713250	<b>8792-17</b>	17	32	180
7677270	<b>8792-18</b>	18	32	180
7713330	<b>8792-19</b>	19	32	210
7713410	<b>8792-20</b>	20	32	210
7677350	<b>8792-21</b>	21	32	210
7713680	<b>8792-22</b>	22	32	260
1211471	<b>8792-23</b>	23	32	270
7713760	<b>8792-24</b>	24	32	260
7713840	<b>8792-27</b>	27	32	300

Code	No.	Ø <sup>AF</sup>	Depth gauge	±0.1
1211455	<b>8792-1/4AF</b>	1/4	32	100
7721350	<b>8792-5/16AF</b>	5/16	32	90
1211498	<b>8792-3/8AF</b>	3/8	32	100
7721430	<b>8792-7/16AF</b>	7/16	32	100
7721510	<b>8792-1/2AF</b>	1/2	32	100
7721780	<b>8792-9/16AF</b>	9/16	32	140
7721860	<b>8792-5/8AF</b>	5/8	32	140
7721940	<b>8792-11/16AF</b>	11/16	32	180
7722080	<b>8792-3/4AF</b>	3/4	32	210
1211463	<b>8792-13/16AF</b>	13/16	32	100
7722160	<b>8792-7/8AF</b>	7/8	32	260
7722240	<b>8792-15/16AF</b>	15/16	32	260
7722320	<b>8792-1AF</b>	1	32	300
7722400	<b>8792-1.1/16AF</b>	1.1/16	32	300

## 8791

### OPEN END FITTING 16 Z

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

16



Code	No.	Ø mm	Depth gauge	±0.1
7774470	<b>8791-07</b>	7	32	80
7774550	<b>8791-08</b>	8	32	80
7774630	<b>8791-09</b>	9	32	80
7710070	<b>8791-10</b>	10	32	90
7710150	<b>8791-11</b>	11	32	90
7676890	<b>8791-12</b>	12	32	90
7710230	<b>8791-13</b>	13	32	120
7710310	<b>8791-14</b>	14	32	120
7710580	<b>8791-15</b>	15	32	120
7710660	<b>8791-16</b>	16	32	160
7710740	<b>8791-17</b>	17	32	160
7676970	<b>8791-18</b>	18	32	160
7710820	<b>8791-19</b>	19	32	180
7710900	<b>8791-20</b>	20	32	180
7677000	<b>8791-21</b>	21	32	180
7711040	<b>8791-22</b>	22	32	220
7711120	<b>8791-24</b>	24	32	220
7711200	<b>8791-27</b>	27	32	260
7774710	<b>8791-30</b>	30	32	300
7774980	<b>8791-32</b>	32	32	300
1552317	<b>8791-36</b>	36	32	300

Code	No.	Ø <sup>AF</sup>	Depth gauge	±0.1
1211421	<b>8791-1/4AF</b>	1/4	32	90
7720030	<b>8791-5/16AF</b>	5/16	32	80
1211447	<b>8791-3/8AF</b>	3/8	32	90
7720110	<b>8791-7/16AF</b>	7/16	32	90
7720380	<b>8791-1/2AF</b>	1/2	32	90
7720460	<b>8791-9/16AF</b>	9/16	32	120
7720540	<b>8791-5/8AF</b>	5/8	32	160
7720620	<b>8791-11/16AF</b>	11/16	32	160
7720700	<b>8791-3/4AF</b>	3/4	32	180
1211439	<b>8791-13/16AF</b>	13/16	32	90
7720890	<b>8791-7/8AF</b>	7/8	32	220
7720970	<b>8791-15/16AF</b>	15/16	32	220
7721000	<b>8791-1AF</b>	1	32	220
7721190	<b>8791-1.1/16AF</b>	1.1/16	32	260
7721270	<b>8791-1.1/8AF</b>	1.1/8	32	300
7776170	<b>8791-1.3/16AF</b>	1.3/16	32	300
7776250	<b>8791-1.1/4AF</b>	1.1/4	32	300
7776330	<b>8791-1.5/16AF</b>	1.5/16	32	300





**8797**

**FLARED END FITTING 16 Z**

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking



Code	No.	Ø mm	max. N-m	Depth gauge	↕
1211587	<b>8797-07</b>	7	7.0	32	90
1211595	<b>8797-08</b>	8	6.5	32	90
1211609	<b>8797-09</b>	9	5.5	32	90
1211625	<b>8797-10</b>	10	26.0	32	100
1211633	<b>8797-11</b>	11	19.0	32	100
1211641	<b>8797-12</b>	12	13.0	32	120
1211668	<b>8797-13</b>	13	34.0	32	140
7664290	<b>8797-14</b>	14	24.0	32	140
1211684	<b>8797-15</b>	15	18.0	32	140
1211692	<b>8797-16</b>	16	66.0	32	180
1211706	<b>8797-17</b>	17	56.0	32	180
1211714	<b>8797-18</b>	18	45.0	32	200
1211722	<b>8797-19</b>	19	80.0	32	210
1211731	<b>8797-20</b>	20	60.0	32	210
1211749	<b>8797-21</b>	21	43.0	32	210
1211757	<b>8797-22</b>	22	172.0	32	260
1211765	<b>8797-23</b>	23	153.0	32	260
1211773	<b>8797-24</b>	24	118.0	32	260
1211781	<b>8797-27</b>	27	76.0	32	300

Code	No.	Ø AF	max. N-m	Depth gauge	↕
1326503	<b>8797-1/4AF</b>	1/4	7.0	32	90
7709300	<b>8797-5/16AF</b>	5/16	6.5	32	90
1211803	<b>8797-3/8AF</b>	3/8	26.0	32	140
7715620	<b>8797-7/16AF</b>	7/16	18.0	32	100
7715970	<b>8797-1/2AF</b>	1/2	37.0	32	140
7716350	<b>8797-9/16AF</b>	9/16	22.0	32	140
7716430	<b>8797-5/8AF</b>	5/8	68.0	32	180
7719610	<b>8797-11/16AF</b>	11/16	51.0	32	180
7719880	<b>8797-3/4AF</b>	3/4	77.0	32	210
1211676	<b>8797-13/16AF</b>	13/16	58.0	32	370
7725180	<b>8797-7/8AF</b>	7/8	169.0	32	210
7719960	<b>8797-15/16AF</b>	15/16	138.0	32	210
7725260	<b>8797-1AF</b>	1	104.0	32	260
7725340	<b>8797-1.1/16AF</b>	1.1/16	77.0	32	300

**8756**

**END FITTING INBUS® 16 Z**

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking
- INBUS® = registered trademark of Acument GmbH & Co. OHG, 56567 Neuwied



Code	No.	Ø mm	Depth gauge	↕
7773740	<b>8756-03</b>	3	32	100
7773820	<b>8756-04</b>	4	32	100
7773900	<b>8756-05</b>	5	32	100
7774040	<b>8756-06</b>	6	32	100
7774120	<b>8756-08</b>	8	36	110

**8754**

**RATCHET HEAD 16 Z**

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking



Code	No.	Type	□"	∠°	Depth gauge	↕
7711980	<b>8754-01</b>	●	3/8	10,0	32	170
7712010	<b>8754-02</b>	●	1/2	7,5	32	270

**8790 - 8793**

**FIXED SQUARE HEAD 16 Z**

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking



Code	No.	Type	□"	Depth gauge	↕
7709490	<b>8790-00</b>	□	3/8	32	350
7709570	<b>8793-00</b>	□	1/2	32	380

**8755**

**END FITTING TORX® 16 Z**

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking
- TORX® = registered trademark of Acument Intellectual Properties, LLC. USA



Code	No.	✱	Depth gauge	↕
7672040	<b>8755-20</b>	20	32	100
7672120	<b>8755-25</b>	25	32	100
7672200	<b>8755-27</b>	27	32	140
7672390	<b>8755-30</b>	30	32	140
7672470	<b>8755-40</b>	40	36	140
7672550	<b>8755-45</b>	45	36	180





## END FITTINGS 22 Z

### 8795

#### OPEN END FITTING 22 Z

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking



Code	No.	Ø mm	Depth gauge	±
7707010	<b>8795-22</b>	22	56	330
7707280	<b>8795-24</b>	24	56	320
7707360	<b>8795-27</b>	27	56	380
7707440	<b>8795-30</b>	30	56	370
7707520	<b>8795-32</b>	32	56	450
7677430	<b>8795-34</b>	34	56	430
7707600	<b>8795-36</b>	36	56	430
7707790	<b>8795-41</b>	41	56	580
7707870	<b>8795-46</b>	46	56	530

Code	No.	Ø <sup>AF</sup>	Depth gauge	±
1532650	<b>8795-1.7/16AF</b>	1.7/16	56	425
1532669	<b>8795-1.1/2AF</b>	1.1/2	56	429

### 8796

#### RING END FITTING 22 Z

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking



Code	No.	Ø mm	Depth gauge	±
7707950	<b>8796-22</b>	22	56	350
7708090	<b>8796-24</b>	24	56	330
7708170	<b>8796-27</b>	27	56	370
7708250	<b>8796-30</b>	30	56	350
7708330	<b>8796-32</b>	32	56	420
7677510	<b>8796-34</b>	34	56	420
7708410	<b>8796-36</b>	36	56	390
7708680	<b>8796-41</b>	41	56	560
7708760	<b>8796-46</b>	46	56	520

Code	No.	Ø <sup>AF</sup>	Depth gauge	±
1532677	<b>8796-1.1/8AF</b>	1.1/8	56	400
1532685	<b>8796-1.3/16AF</b>	1.3/16	56	470
1532693	<b>8796-1.1/4AF</b>	1.1/4	56	550
1532707	<b>8796-1.5/16AF</b>	1.5/16	56	460
1532715	<b>8796-1.7/16AF</b>	1.7/16	56	430

### 8797

#### FLARED END FITTING 22 Z

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking



Code	No.	Ø <sup>AF</sup>	max. N-m	Depth gauge	±
1532723	<b>8797-1.1/8AF</b>	1.1/8	166	56	370
1532731	<b>8797-1.3/16AF</b>	1.3/16	145	56	360
1532758	<b>8797-1.1/4AF</b>	1.1/4	396	56	440
1532766	<b>8797-1.5/16AF</b>	1.5/16	367	56	430
1532774	<b>8797-1.7/16AF</b>	1.7/16	271	56	390

### 8794

#### FIXED SQUARE HEAD / RATCHET HEAD 22 Z

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking



Code	No.	Type	□*	∠°	Depth gauge	±
7708840	<b>8794-00</b>	□	3/4		56	610
1427318	<b>8794-03</b>	●	3/4	10	56	950

## END FITTINGS 28 Z

### 8798

#### OPEN END FITTING 28 Z

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Chrome-vanadium steel, chrome-plated
- With catch retention



Code	No.	Ø mm	Depth gauge	±
1565346	<b>8798-36</b>	36	75	1900
1565354	<b>8798-41</b>	41	75	1900
1565362	<b>8798-46</b>	46	75	1900
1565370	<b>8798-50</b>	50	75	1900
1565389	<b>8798-55</b>	55	75	2100
1565397	<b>8798-60</b>	60	75	2100
1565400	<b>8798-65</b>	65	75	2400
1565419	<b>8798-70</b>	70	75	2900
1565427	<b>8798-75</b>	75	100	4000
1565435	<b>8798-80</b>	80	100	4400
1565443	<b>8798-85</b>	85	100	4300
1565451	<b>8798-90</b>	90	100	5400
1565478	<b>8798-95</b>	95	100	5100
1565486	<b>8798-100</b>	100	100	7600

### 8799

#### RING END FITTING 28 Z

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Chrome-vanadium steel, chrome-plated
- With catch retention



Code	No.	Ø mm	Depth gauge	±
1565494	<b>8799-36</b>	36	75	1600
1565508	<b>8799-41</b>	41	75	1800
1565516	<b>8799-46</b>	46	75	2100
1565524	<b>8799-50</b>	50	75	2200
1565532	<b>8799-55</b>	55	75	2400
1565540	<b>8799-60</b>	60	75	2500
1565559	<b>8799-65</b>	65	75	2900
1565567	<b>8799-70</b>	70	75	2000
1565575	<b>8799-75</b>	75	100	4500
1565583	<b>8799-80</b>	80	100	4800
1565591	<b>8799-85</b>	85	100	5200
1565605	<b>8799-90</b>	90	100	6700
1565621	<b>8799-95</b>	95	100	6400
1565648	<b>8799-100</b>	100	100	6200



**8794**

**RATCHET HEAD 28 Z**

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Chrome-vanadium steel, chrome-plated
- With catch retention



Code	No.	Type	□"	Depth gauge	↕
1566032	<b>8794-05</b>	●	3/4	10 75	1800

Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)



**DREMOMETER SE**

**8480 - 8482 SE**

**DREMOMETER WITH QUICK-FITTING CHANGE 8-400 N-m / 70 lbf-in-300 lbf-ft**

- Working accuracy: +/- 3% tolerance of scale set torque
- Full-metal construction from high-strength aluminium alloy
- Factory depth gauges: 17.5 mm (9x12) or 25 mm (14x18)
- If ordering with pre-set-value locking and safety device (ASE to CSE A+S no. 7480-7482), please specify the N-m value - if fixed factory-pre-setting is desired (price on request)

9x12

14x18



Code	No.	Type	□mm	N-m	lbf-in	lbf-ft	↕
7714060	<b>8480-01</b>	A-SE	9 x 12	8-40	70-350	950	
7714140	<b>8481-01</b>	B-SE	9 x 12	20-120	15-90	1250	
7714220	<b>8482-01</b>	C-SE	14 x 18	50-400	35-300	1700	
1427059	<b>7480-01</b>	A-SE A+S	9 x 12	8-40	70-350	950	
1427091	<b>7481-01</b>	B-SE A+S	9 x 12	20-120	15-90	1250	
1427105	<b>7482-01</b>	C-SE A+S	14 x 18	50-400	35-300	1700	

- On request, all torque wrenches can be factory pre-set.
- When ordering, please specify the N-m value.
- pre-setting



**END FITTINGS 9X12 SE**

**Accessories**

- End fittings with a rectangular end are available in ring ends, open ends, TORX®, INBUS® and flare ends. Square and ratchet-adaptor spanner end fittings can be used with the appropriate sockets, bit holders and commonly available bits. A weld-on end fitting enables you to create your own designs.

**7112**

**RECTANGULAR OPEN END FITTING 9x12**

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

9x12



Code	No.	□mm	↕
7688390	<b>7112-07</b>	7	35
7688550	<b>7112-08</b>	8	35
7679050	<b>7112-09</b>	9	35
7688630	<b>7112-10</b>	10	40
7688980	<b>7112-11</b>	11	30
7679560	<b>7112-12</b>	12	35
7689010	<b>7112-13</b>	13	35
7689360	<b>7112-14</b>	14	40
7689440	<b>7112-15</b>	15	40
7679990	<b>7112-16</b>	16	45
7689600	<b>7112-17</b>	17	50
7684560	<b>7112-18</b>	18	60
7689790	<b>7112-19</b>	19	60

Code	No.	□AF	↕
1547267	<b>7112-1/4AF</b>	1/4	36
1547275	<b>7112-5/16AF</b>	5/16	53
1547283	<b>7112-3/8AF</b>	3/8	38
1547305	<b>7112-1/2AF</b>	1/2	44

**7212**

**RECTANGULAR RING END FITTING 9x12**

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

9x12



Code	No.	□mm	↕
7691340	<b>7212-07</b>	7	30
7691420	<b>7212-08</b>	8	30
7691690	<b>7212-10</b>	10	30
7691770	<b>7212-11</b>	11	30
7677940	<b>7212-12</b>	12	35
7691930	<b>7212-13</b>	13	35
7692230	<b>7212-14</b>	14	40
7692580	<b>7212-15</b>	15	40
7678080	<b>7212-16</b>	16	40
7692740	<b>7212-17</b>	17	40
7678160	<b>7212-18</b>	18	40
7692820	<b>7212-19</b>	19	40
7678240	<b>7212-21</b>	21	50
7693040	<b>7212-22</b>	22	50

Deviant packing units see article description.



Code	No.	Ø <sup>FAF</sup>	↔
1547488	<b>7212-1/4AF</b>	1/4	36
1547496	<b>7212-5/16AF</b>	5/16	37
1547518	<b>7212-3/8AF</b>	3/8	37
1547534	<b>7212-7/16AF</b>	7/16	40
1547542	<b>7212-1/2AF</b>	1/2	53
1547550	<b>7212-9/16AF</b>	9/16	52
1547577	<b>7212-5/8AF</b>	5/8	54
1547607	<b>7212-11/16AF</b>	11/16	58
1547615	<b>7212-3/4AF</b>	3/4	58
1547623	<b>7212-13/16AF</b>	13/16	68
1547631	<b>7212-7/8AF</b>	7/8	69

### 7312

#### RECTANGULAR FLARED END FITTING 9x12

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

9x12



Code	No.	Ø mm	↔
7685290	<b>7312-10</b>	10	40
7685370	<b>7312-11</b>	11	40
7699590	<b>7312-12</b>	12	40
7679210	<b>7312-13</b>	13	40
7679480	<b>7312-14</b>	14	50
7685880	<b>7312-17</b>	17	65
7679640	<b>7312-18</b>	18	65
7686260	<b>7312-19</b>	19	65
7679720	<b>7312-22</b>	22	65

Code	No.	Ø <sup>FAF</sup>	↔
1547739	<b>7312-3/8AF</b>	3/8	55
1547763	<b>7312-7/16AF</b>	7/16	56
1547771	<b>7312-1/2AF</b>	1/2	58
1547828	<b>7312-9/16AF</b>	9/16	59
1547836	<b>7312-5/8AF</b>	5/8	61
1547844	<b>7312-11/16AF</b>	11/16	48
1547852	<b>7312-3/4AF</b>	3/4	76

### 7412

#### RECTANGULAR REVERSIBLE RATCHET HEAD 9x12

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

9x12



6,3 1/4

10 3/8

12,5 1/2



Code	No.	∠°	■"	■	↔
7672710	<b>7412-00</b>	16	1/4	6.3	60
7686500	<b>7412-01</b>	5	3/8	10.0	140
7687230	<b>7412-02</b>	5	1/2	12.5	150

### 7512

#### RECTANGULAR TORX®-TYPE END 9x12

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking
- TORX® = registered trademark of Acument Intellectual Properties, LLC. USA

9x12



Code	No.	Ø	↔
1547860	<b>7512-E6</b>	6	40
1547879	<b>7512-E8</b>	8	45
1547887	<b>7512-E10</b>	10	45
1547895	<b>7512-E12</b>	12	50
1547909	<b>7512-E14</b>	14	60

### 7612

#### RECTANGULAR FIXED SQUARE HEAD 9x12

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

9x12



6,3 1/4

10 3/8

12,5 1/2



Code	No.	■"	↔
7672630	<b>7612-00</b>	1/4	70
7679800	<b>7612-01</b>	3/8	70
7687900	<b>7612-02</b>	1/2	80

### 7812

#### RECTANGULAR BIT HOLDER 9x12

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking

9x12



8

9/16

6,3

1/4



Code	No.	●"	●	↔
7697970	<b>7812-00</b>	5/16	8.0	40
2101645	<b>7812-10</b>	1/4	6.3	40

### 7912

#### RECTANGULAR WELD-ON FITTING 9x12

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Bear the depth gauges in mind

9x12



Code	No.	↔
7698190	<b>7912-00</b>	30



**END FITTINGS 14X18 SE**

**7118**

**RECTANGULAR OPEN END FITTING 14x18**

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking



Ill. similar

14x18



Code	No.	Ø mm	↕
7689870	<b>7118-13</b>	13	120
7690020	<b>7118-14</b>	14	120
7690100	<b>7118-15</b>	15	120
7685610	<b>7118-16</b>	16	125
7690370	<b>7118-17</b>	17	130
7686180	<b>7118-18</b>	18	130
7690450	<b>7118-19</b>	19	130
7686420	<b>7118-21</b>	21	155
7690610	<b>7118-22</b>	22	150
7690880	<b>7118-24</b>	24	170
7690960	<b>7118-27</b>	27	185
7691260	<b>7118-30</b>	30	220
7687740	<b>7118-32</b>	32	220
1963708	<b>7118-34</b>	34	255
1963716	<b>7118-36</b>	36	257
1963724	<b>7118-41</b>	41	261

**7218**

**RECTANGULAR RING END FITTING 14x18**

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking



14x18



Code	No.	Ø mm	↕
7693120	<b>7218-13</b>	13	120
7693390	<b>7218-14</b>	14	120
7693470	<b>7218-15</b>	15	115
7678320	<b>7218-16</b>	16	125
7693630	<b>7218-17</b>	17	125
7678830	<b>7218-18</b>	18	125
7693710	<b>7218-19</b>	19	125
7678910	<b>7218-21</b>	21	140
7693980	<b>7218-22</b>	22	140
7694280	<b>7218-24</b>	24	140
7694440	<b>7218-27</b>	27	150
7694790	<b>7218-30</b>	30	160
7695920	<b>7218-32</b>	32	165
7679130	<b>7218-34</b>	34	195
7696220	<b>7218-36</b>	36	195
7696300	<b>7218-41</b>	41	225

Code	No.	Ø AF	↕
1547658	<b>7218-1/2AF</b>	1/2	122
1547666	<b>7218-9/16AF</b>	9/16	122
1553674	<b>7218-5/8 AF</b>	5/8	134
1547674	<b>7218-11/16AF</b>	11/16	132
1547682	<b>7218-3/4AF</b>	3/4	138
1547690	<b>7218-13/16AF</b>	13/16	142
1547704	<b>7218-7/8AF</b>	7/8	147
1547712	<b>7218-15/16AF</b>	15/16	151
1547720	<b>7218-1AF</b>	1	160

**7418**

**RECTANGULAR REVERSIBLE RATCHET HEAD 14x18**

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking
- Fine-toothed



14x18



12,5

1/2

20

3/4

Code	No.	Ø	↕
7687580	<b>7418-02</b>	1/2	12,5
7687660	<b>7418-04</b>	3/4	20,0

**7518**

**RECTANGULAR TORX®-TYPE END 14x18**

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking
- TORX® = registered trademark of Acument Intellectual Properties, LLC. USA



14x18



Code	No.	Ø	↕
1547917	<b>7518-E14</b>	14	130
1547925	<b>7518-E18</b>	18	135
1547933	<b>7518-E20</b>	20	150
1547941	<b>7518-E24</b>	24	150

**7618**

**RECTANGULAR FIXED SQUARE HEAD 14x18**

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking



14x18



12,5

1/2

20

3/4

Code	No.	Ø	↕
7688040	<b>7618-02</b>	1/2	12,5
7688200	<b>7618-04</b>	3/4	20,0

**7818**

**RECTANGULAR BIT HOLDER 14x18**

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Forged
- Chrome-vanadium steel, chrome-plated
- With eject-pin for unlocking



14x18



8

5/16

Code	No.	Ø	↕
7698000	<b>7818-00</b>	5/16	8

**7918**

**RECTANGULAR WELD-ON FITTING 14x18**

- For accessing bolts in cramped and hard-to-access locations - easy to change
- Bear the depth gauges in mind



14x18



Code	No.	↕
7698430	<b>7918-00</b>	100





# TORCOFIX K



**K** 1-850 N-m



**K US** 10 lbf-in - 600 lbf-ft



**UK** 20-300 N-m



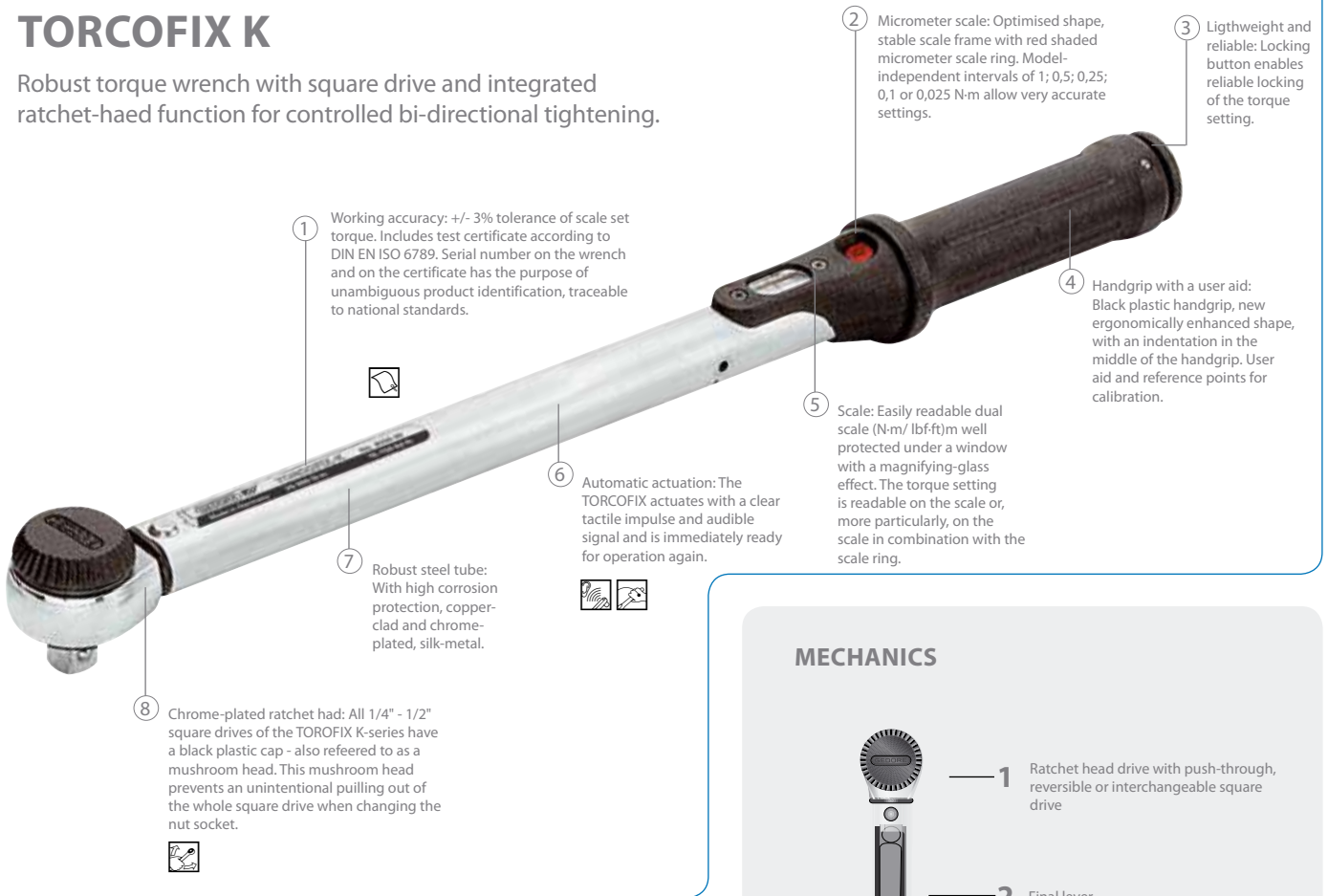
**Z** 2-750 N-m



**SE** 2-400 N-m

## TORCOFIX K

Robust torque wrench with square drive and integrated ratchet-head function for controlled bi-directional tightening.



1 Working accuracy: +/- 3% tolerance of scale set torque. Includes test certificate according to DIN EN ISO 6789. Serial number on the wrench and on the certificate has the purpose of unambiguous product identification, traceable to national standards.



7 Robust steel tube: With high corrosion protection, copper-clad and chrome-plated, silk-metal.

8 Chrome-plated ratchet head: All 1/4" - 1/2" square drives of the TORCOFIX K-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.



2 Micrometer scale: Optimised shape, stable scale frame with red shaded micrometer scale ring. Model-independent intervals of 1; 0,5; 0,25; 0,1 or 0,025 N-m allow very accurate settings.

3 Lightweight and reliable: Locking button enables reliable locking of the torque setting.

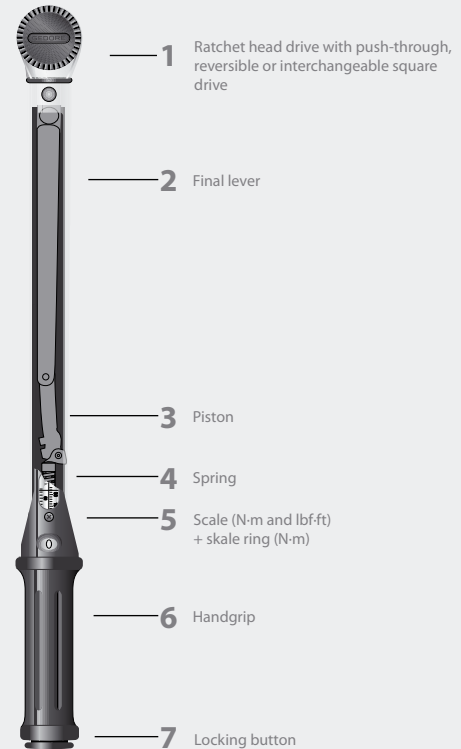
4 Handgrip with a user aid: Black plastic handgrip, new ergonomically enhanced shape, with an indentation in the middle of the handgrip. User aid and reference points for calibration.

5 Scale: Easily readable dual scale (N-m/ lbf-ft)m 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.

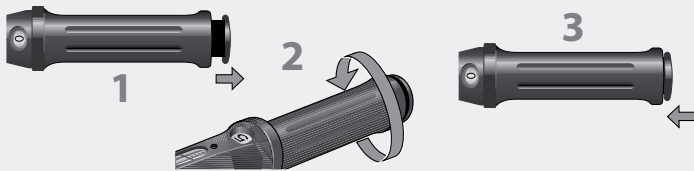
6 Automatic actuation: The TORCOFIX actuates with a clear tactile impulse and audible signal and is immediately ready for operation again.



### MECHANICS



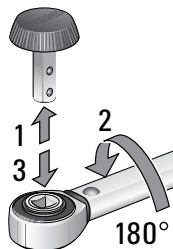
### FEATURES



Pull out the locking button at the end of the handgrip and turn the handgrip in the clockwise or counter-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.





**4549 - 4551**

**TORQUE WRENCH TORCOFIX K 1-850 N-m / 0.75-630 lbf-ft**

- 1/4", 3/8", 1/2" interchangeable mushroom head-square, 3/4" push through square drive
- For controlled bi-directional tightening by simply switching the mushroom head/push through square
- Working accuracy: +/- 3% tolerance of scale set torque
- Robust, silk-matt chrome-plated steel tube construction, with chrome-plated ratchet head and high-quality plastic parts
- Dual scale N-m and lbf-ft below a window with a magnifying-glass effect

- 6.3 1/4"
- 10 3/8"
- 12.5 1/2"
- 20 3/4"



Code	No.	□"	N-m	lbf-ft	□-mm	□°	□N-m	□
1545124	<b>4549-01</b>	1/4	1-5	0,75-3,7	220	10,0	0,025 N-m	300
1545132	<b>4549-02</b>	1/4	2-25	1,5-18	285	10,0	0,1 N-m	450
1545140	<b>4549-05</b>	3/8	5-50	3,5-37	335	10,0	0,25 N-m	540
7601530	<b>4550-10</b>	1/2	10-100	8-75	395	7,5	0,5 N-m	900
7601610	<b>4550-20</b>	1/2	20-200	15-150	485	7,5	1 N-m	1100
7601880	<b>4550-30</b>	1/2	60-300	45-220	575	7,5	1 N-m	1400
7674330	<b>4550-40</b>	1/2	75-400	55-300	665	7,5	1 N-m	2000
7674760	<b>4550-55</b>	3/4	100-550	75-405	960	10,0	1 N-m	3800
1521365	<b>4550-75</b>	3/4	140-750	105-550	1240	10,0	1 N-m	4800
1950525	<b>4551-85</b>	3/4	250-850	185-630	1390	10,0	1 N-m	4700

**4549-G - 4550-G**

**TORQUE WRENCH SET TORCOFIX K 1-400 N-m / 0.75-300 lbf-ft**

- The TORCOFIX K as a practical tool set
- Most-widely-used tools in a robust sheet-metal case
- Clearly organised - everything always ready to hand
- With foam-material inlay modules (on request, these can be customised or extended individually)

- 6.3 1/4"
- 10 3/8"
- 12.5 1/2"



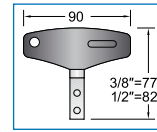
Code	No.	□"	Contents	N-m	lbf-ft	□
1546996	<b>4549-G01</b>	1/4	≡ No. 4549-01 - in sheet-metal case ○ 7 8 10 13 ← 55 mm and ≡-spare square drive	1-5	0,75-3,7	3.0
1547003	<b>4549-G02</b>	1/4	≡ No. 4549-02 - in sheet-metal case ○ 7 8 10 13 ← 55 mm and ≡-spare square drive	2-25	1,5-18	3.2
1547011	<b>4549-G05</b>	3/8	≡ No. 4549-05 - in sheet-metal case ○ 8 10 13 17 ← 125 mm and ≡-spare square drive	5-50	3,5-37	3.5
1547038	<b>4550-G10</b>	1/2	≡ No. 4550-10 - in sheet-metal case ○ 10 13 17 19 24 ← 125 mm and ≡-spare square drive	10-100	8-75	4.3
1547046	<b>4550-G20</b>	1/2	≡ No. 4550-20 - in sheet-metal case ○ 10 13 17 19 24 ← 125 mm and ≡-spare square drive	20-200	15-150	5.5
1547062	<b>4550-G30</b>	1/2	≡ No. 4550-30 - in sheet-metal case ○ 17 19 24 27 ← 125 mm and ≡-spare square drive	60-300	45-220	5.6
1547070	<b>4550-G40</b>	1/2	≡ No. 4550-40 - in sheet-metal case ○ 17 19 24 27 ← 125 mm and ≡-spare square drive	75-400	55-300	6.0

**4550**

**QUICK-TURN WITH T-GRIP DREH-FIX TORCOFIX K**

- For TORCOFIX K and ratchet head 8754-02
- Made from chrome-vanadium steel
- With T-grip made of polypropylene (PPN)
- With 3/8" or 1/2" square drive with ball locking device

- 10 3/8"
- 12.5 1/2"



Code	No.	□"	□"	□
7604390	<b>4550-80</b>	1/2	1/2	100
7604470	<b>4550-81</b>	1/2	3/8	100

**4549 - 4550**

**MUSHROOM HEAD / SQUARE DRIVE TORCOFIX K**

- Made from chrome-vanadium steel, zinc-plated
- With black mushroom head made of polypropylene (PPN) (4549-87/-88/-86/-85)
- With 1/4", 3/8" or 1/2" square drive with ball locking mechanism
- With 3/4" push through square with pin locking

- 6.3 1/4"
- 10 3/8"
- 12.5 1/2"



Code	No.	□"	□"	□mm	□
1545167	<b>4549-87S</b>	3/8	1/4	35	21
1566385	<b>4549-88S</b>	3/8	3/8	35	22
7079370	<b>4550-85S</b>	1/2	1/2	44	60
7079450	<b>4550-86S</b>	1/2	3/8	44	60
6279090	<b>3294</b>	3/4	3/4		100

**TORCOFIX Z**

**4400 - 4475**

**TORQUE WRENCH TORCOFIX Z 2-750 N-m / 1.5-550 lbf-ft**

- Working accuracy: +/- 3% tolerance of scale set torque
- Dual scale N-m and lbf-ft under a window with a magnifying-glass effect
- Additional micrometer scale
- For controlled bi-directional tightening
- Factory depth gauges: 32 mm (16) or 56 mm (22)

- 16 22



Code	No.	□	N-m	lbf-ft	□N-m	□
1646168	<b>4400-02</b>	16	2-25	1,5-18	0,1 N-m	300
1646176	<b>4405-05</b>	16	5-50	3,5-37	0,25 N-m	450
7097270	<b>4410-01</b>	16	10-100	8-75	0,5 N-m	600
7097350	<b>4420-01</b>	16	20-200	15-150	1 N-m	800
7097430	<b>4430-01</b>	16	60-300	45-220	1 N-m	1200
7094090	<b>4440-01</b>	16	75-400	55-300	1 N-m	1500
7501310	<b>4450-01</b>	22	100-550	75-400	1 N-m	3800
1521381	<b>4475-01</b>	22	140-750	105-550	1 N-m	4450



### 4400-G - 4440-G

#### TORQUE WRENCH SET TORCOFIX Z 2-400 N-m / 1,5-300 lbf-ft

- ▶ The TORCOFIX Z as a practical tool set
- ▶ Most-widely-used tools in a robust sheet-metal case
- ▶ Clearly organised - everything always ready to hand
- ▶ With foam-material inlay modules (on request, these can be customised or extended individually)

16

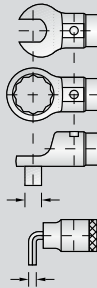
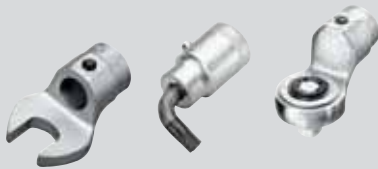


Code	No.	∅	Contents	N-m	lbf-ft	±%
1663259	<b>4400-G02</b>	16	≡ No. 4400-02 - in sheet-metal case ➤ 10 13 17  10 13 17 and -ratchet head	2-25	1,5-18	3.0
1663267	<b>4405-G05</b>	16	≡ No. 4405-05 - in sheet-metal case ➤ 10 13 17  10 13 17 and -ratchet head	5-50	3,5-37	3.3
1547186	<b>4410-G01</b>	16	≡ No. 4410-01 - in sheet-metal case ➤ 17 19 24  17 19 24 and -ratchet head	10-100	8-75	4.3
1547194	<b>4420-G01</b>	16	≡ No. 4420-01 - in sheet-metal case ➤ 17 19 24  17 19 24 and -ratchet head	20-200	15-150	5.6
1547208	<b>4430-G01</b>	16	≡ No. 4430-01 - in sheet-metal case ➤ 24 27 30 32  24 27 and -ratchet head	60-300	45-220	6.3
1547216	<b>4440-G01</b>	16	≡ No. 4440-01 - in sheet-metal case ➤ 24 27 30 32  24 27 and -ratchet head	75-400	55-300	6.6

### ACCESSORIES Z- SPANNER END FITTINGS

- ▶ Spanner end fittings with spigot ends are available in ring ends, open ends, TORX®, INBUS® and flare ends. Square-heads and ratchet-heads can be used with the appropriate sockets.

- ▶ You find these products up to from page 315



### TORCOFIX SE

#### 4100 - 4301

#### TORQUE WRENCH TORCOFIX SE 2-400 N-m / 1.5-300 lbf-ft

- ▶ Working accuracy: +/- 3% tolerance of scale set torque
- ▶ Dual scale N-m and lbf-ft below a window with a magnifying-glass effect
- ▶ Additional micrometer scale
- ▶ For controlled bi-directional tightening
- ▶ Factory depth gauges: 17.5 mm (9x12) or 25 mm (14x18)

9x12

14x18



Code	No.	□mm	N-m	lbf-ft	مقياس	±%
1646192	<b>4101-02</b>	9 x 12	2-25	1,5-18	0,1 N-m	300
1646206	<b>4101-05</b>	9 x 12	5-50	3,5-37	0,25 N-m	450
7600210	<b>4100-01</b>	9 x 12	10-100	8-75	0,5 N-m	600
1654934	<b>4200-02</b>	9 x 12	20-150	15-110	1 N-m	800
7600990	<b>4201-01</b>	14 x 18	20-200	15-150	1 N-m	900
7601020	<b>4300-01</b>	14 x 18	60-300	45-220	1 N-m	1200
7604120	<b>4301-01</b>	14 x 18	75-400	55-300	1 N-m	1600

Deviant packing units see article description.

### 4100-G - 4301-G

#### TORQUE WRENCH SET TORCOFIX SE 2-400 N-m / 1.5-300 lbf-ft

- ▶ The TORCOFIX SE as a practical tool set
- ▶ Most-widely-used tools in a robust sheet-metal case
- ▶ Clearly organised - everything always ready to hand
- ▶ With foam-material inlay modules (on request, these can be customised or extended individually)

9x12

14x18



Code	No.	□mm	Contents	N-m	lbf-ft	±%
1663224	<b>4101-G02</b>	9 x 12	≡ No. 4101-02 - in a sheet-metal case ➤ 10 13 17  10 13 17 and -ratchet head	2-25	1,5-18	3.0
1663232	<b>4101-G05</b>	9 x 12	≡ No. 4101-05 - in a sheet-metal case ➤ 10 13 17  10 13 17 and -ratchet head	5-50	3,5-37	3.3
1547100	<b>4100-G01</b>	9 x 12	≡ No. 4100-01 - in a sheet-metal case ➤ 13 17 19  13 17 19 and -ratchet head	10-100	8-75	3.8
1663240	<b>4200-G02</b>	9 x 12	≡ No. 4200-02 - in a sheet-metal case ➤ 13 17 19  13 17 19 and -ratchet head	20-150	15-110	5.5
1547127	<b>4201-G01</b>	14 x 18	≡ No. 4201-01 - in a sheet-metal case ➤ 17 19 24  17 19 24 and -ratchet head	20-200	15-150	6.2
1547135	<b>4300-G01</b>	14 x 18	≡ No. 4300-01 - in a sheet-metal case ➤ 24 30 32  24 30 32 36 and -ratchet head	60-300	45-220	6.4
1547143	<b>4301-G01</b>	14 x 18	≡ No. 4301-01 - in a sheet-metal case ➤ 24 30 32  24 30 32 36 and -ratchet head	75-400	55-300	6.6

### TORCOFIX FS

#### 4150 - 4151

#### TORQUE WRENCH FOR PRE-SETTING TORCOFIX FS 2-200 N-m

- ▶ Working accuracy: +/- 3% tolerance of set torque
- ▶ Pre-set torque wrench - without scale
- ▶ The fixed setting can be performed at the factory or by the user on suitable torque testers. Factory depth gauges: 17.5 mm (9x12) or 25 mm (14x18)
- ▶ When ordering, please specify the N-m value - if a fixed factory-pre-setting is desired (price on request)
- ▶ Type II-B acc. to DIN EN ISO 6789

9x12

14x18



Code	No.	□mm	N-m	mm / max	±%
7601960	<b>4150-25</b>	9 x 12	2 / 25		210
7602180	<b>4150-50</b>	9 x 12	5 / 50		270
7602850	<b>4150-85</b>	9 x 12	15 / 85		340
7603580	<b>4151-20</b>	14 x 18	20 / 200		750

- ▶ On request, all torque wrenches can be factory pre-set.
- ▶ When ordering, please specify the N-m value.
- ▶ pre-setting

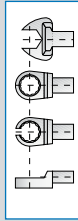




**ACCESSORIES SE - RECTANGULAR SPANNER END FITTINGS**

Spanner end fittings with a rectangular end are available in ring ends, open ends, TORX®, INBUS® and flare ends. Square and ratchet-adaptor spanner end fittings can be used with the appropriate sockets, bit holders and commonly available bits. A weld-on end fitting enables you to create your own designs.

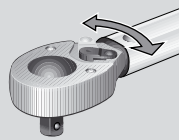
You find these products up from page 318



**TORCOFIX UK**

**Operation**

For the TORCOFIX UK: Switch the lever of the reversible ratchet to correspond with the desired direction, clockwise or counter-clockwise.



**5550**

**TORQUE WRENCH TORCOFIX UK 20-300 N-m / 15-220 lbf-ft**

- Working accuracy: +/- 3% tolerance of scale set torque
- Dual scale: N-m and lbf-ft, with magnified sight glass
- Integrated flip-reversible ratchet-head function
- For controlled clockwise tightening
- Sturdy, satin chrome-plated tubular steel design, with chrome-plated ratchet head and high-quality plastic parts



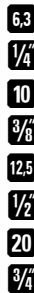
Code	No.	□"	N-m	lbf-ft	mm	mm	mm
1210467	<b>5550-10</b>	1/2	20-100	15-75	0,5 N-m	11,25	1000
1210475	<b>5550-20</b>	1/2	40-200	30-150	1 N-m	11,25	1200
1210483	<b>5550-30</b>	1/2	60-300	45-220	1 N-m	11,25	1400

**TORCOFIX K US**

**6550 - 6551**

**TORCOFIX K US 10 lbf-in - 600 lbf-ft / 1,1 - 810 N-m**

- Anglo-American unit
- Adjustable torque wrench with square drive and integrated ratchet function
- For controlled bi-directional tightening
- 1/4", 3/8", 1/2" mushroom-head reversible square drive with ball locking device as per DIN 3120 - A 6.3, A 10 or A 12.5, ISO 1174
- 3/4" push-through square drive with pin locking device DIN 3120 - B 20, ISO 1174 (no. 6551-120)
- Working accuracy: +/- 3% tolerance of scale set torque
- Robust, silk-matt chrome-plated steel tube construction, with chrome-plated ratchet head and high-quality plastic parts
- Dual scale in lbf-in resp. lbf-ft and N-m underneath a window with a magnifying-glass effect



Code	No.	□"	lbf-in	lbf-ft	mm	mm
1956744	<b>6550-01</b>	1/4	10-50		0,25 lbf-in	300
1956752	<b>6550-02</b>	1/4	20-100		0,25 lbf-in	300
1956779	<b>6550-05</b>	3/8	50-250		1,0 lbf-in	800
1956787	<b>6550-15</b>	3/8	150-1000		5,0 lbf-in	900

Code	No.	□"	lbf-in	lbf-ft	mm	mm
1956795	<b>6551-07</b>	3/8		7-50	0,25 lbf-ft	900
1956817	<b>6551-10</b>	1/2		10-75	0,25 lbf-ft	900
1956833	<b>6551-30</b>	1/2		30-150	0,5 lbf-ft	1100
1956841	<b>6551-60</b>	1/2		60-300	1,0 lbf-ft	1600
1956868	<b>6551-120</b>	3/4		120-600	1,0 lbf-ft	4500

**TORQUE SCREWDRIVER TECHNICAL FEATURES**

**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 micrometer scale

- "Positive-lock"-system
- Drive type made of stainless steel
- Auto setting
- Bidirectional
- Non-slip rubber handgrip
- ESD = electrostatically protected



**Type S 757**

Adjustable torque screwdriver with micrometer scale

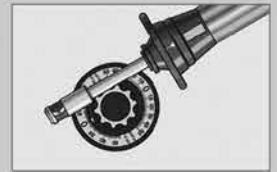
- Auto setting
- Bidirectional
- Anodised aluminium handgrip
- ESD = electrostatically protected



**Type SP 758**

Dial-indicating torque screwdriver with dual scale

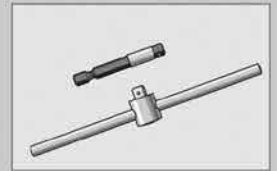
- Locking of maximum values / maximum value-display
- Bidirectional
- Anodised aluminium handgrip
- ESD = electrostatically protected



**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.



Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)





# TORQUE SCREWDRIVERS 756

Compact and versatile screwdrivers with automatically actuating, dial-indicating and measuring torque.



## 755

### TORQUE SCREWDRIVER TYPE FS 0.02-13.6 N-m

- Working accuracy: +/- 6% tolerance of the selected torque
- Precision radial ball clutch and cam design for controlled bidirectional tightening
- The pre-setting can be made at the factory or by the user on suitable torque testers
- If a factory setting is required, please specify the N-m value on the order
- ESD = electrostatic discharge protection



Code	No.	Ø"	■"	cN-m	N-m	Colour	↕
1471481	<b>755-01</b>	1/4	1/4	2-22		red	50
1471473	<b>755-02</b>	1/4	1/4	0,5-22		gold	72
1471465	<b>755-03</b>	1/4	1/4	2-135		blue	210
1471457	<b>755-04</b>	1/4	1/4	6-406		green	280
1228501	<b>755-05</b>	1/4	1/4		1-13,6	black	325

## 757

### TORQUE SCREWDRIVER TYPE S 0.2-9 N-m

- Working accuracy: +/- 6% tolerance of the selected torque
- Precision radial ball clutch and cam design for controlled bidirectional tightening
- Micrometer-scale graduation: 1 cN-m / 0.1 N-m
- Lightweight design with anodised aluminium handles
- ESD = electrostatic discharge protection



Code	No.	Ø"	■"	cN-m	N-m	Colour	↕
7718050	<b>757-01</b>	1/4	1/4	20-120		black	165
7718130	<b>757-06</b>	1/4	1/4		1-6	red	400
7718210	<b>757-09</b>	1/4	1/4		4-9	green	400

## 756

### TORQUE SCREWDRIVER TYPE S 0.05-9 N-m

- Working accuracy: +/- 6% tolerance of the selected torque
- Compact, lightweight and non-slip rubber handle
- Precision radial ball clutch and cam design for controlled bidirectional tightening
- Positive locking system prevents torque setting from slipping
- ESD = electrostatic discharge protection



Code	No.	Ø"	■"	cN-m	N-m	Colour	↕
1498738	<b>756-00</b>	1/4	1/4	5-40		silver	124
1400150	<b>756-01</b>	1/4	1/4	20-120		blue	165
1400169	<b>756-06</b>	1/4	1/4		1-6	red	340
1400177	<b>756-09</b>	1/4	1/4		4-9	green	340

## 758

### TORQUE SCREWDRIVER TYPE SP 10-500 cN-m / 14 ozf-in - 40 lbf-in

- Working accuracy +/- 6% tolerance of the indicated torque
- Dial-indicating torque and test screwdriver - with dual scale (cN-m/ozf-in/lbf-in)
- Lightweight design with anodised aluminium handles
- ESD = electrostatic discharge protection
- With bidirectional maximum indicator function



Code	No.	Ø"	■"	cN-m	ozf-in / lbf-in	Colour	↕
7096380	<b>758-05</b>	1/4	1/4	10-50	14-70 ozf-in	gold	190
7096460	<b>758-10</b>	1/4	1/4	20-100	28-140 ozf-in	blue	190
7096540	<b>758-25</b>	1/4	1/4	50-250	4-20 lbf-in	red	465
7096620	<b>758-50</b>	1/4	1/4	100-500	8-40 lbf-in	green	465



**TORQUE WRENCHES TSN-TBN-TSP-TSC**

**759**

**TORQUE WRENCH TSN SLIPPER 3-125 N-m**

- For controlled clockwise tightening, counter-clockwise operation possible on request
- Working accuracy: +/- 4% tolerance of the selected torque
- Pre-set torque wrench - without scale
- The precision mechanism slips noticeably when the pre-set value is reached - completely eliminating the risk of over-tightening
- The pre-setting can be made at the factory or by the user on suitable torque testers
- If a factory setting is required, please specify the N-m value on the order

- 6.3 1/4"
- 10 3/8"
- 12.5 1/2"
- 
- 
- 
- 
- 

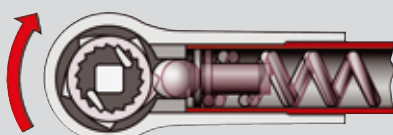


Code	No.	□"	N-m	↕↔
7091900	<b>759-00</b>	1/4	3-25	340
7092040	<b>759-01</b>	3/8	3-25	340
7092120	<b>759-02</b>	3/8	15-55	800
7092200	<b>759-03</b>	1/2	40-125	1360



**TSN-SIPPER 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.



**760**

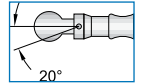
**BREAKING TORQUE WRENCH TBN 0.2-135 N-m / 1.8-1195 lbf-in**

- Working accuracy: +/- 4% tolerance of the selected torque, No. 760-00/-01: +/- 6% tolerance
- Handle snaps over by 20° (90° possible on No. 760-00/-01) when selected torque is reached, reducing the likelihood of over-tightening
- The pre-setting can be made at the factory or by the user on suitable torque testers. Works calibration size: 17.5 mm or 32 mm
- If a factory setting is required, please specify the N-m value on the order

16

9x12

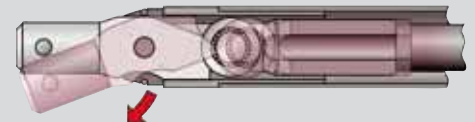
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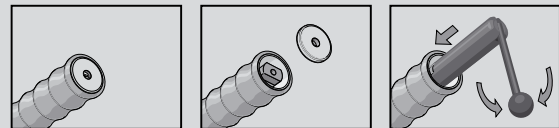
Code	No.	□	mm	N-m	lbf-in	↕↔
7090690	<b>760-00</b>	9 x 12	9 x 12	0,2-2,0	1,8-18	110
7090770	<b>760-01</b>	9 x 12	9 x 12	1-10	9-89	130
1824686	<b>760-30</b>	16	16	5-25	44-221	405
1824694	<b>760-35</b>	9 x 12	9 x 12	5-25	44-221	405
1824708	<b>760-40</b>	16	16	10-65	89-575	745
1824716	<b>760-45</b>	9 x 12	9 x 12	10-65	89-575	745
1824724	<b>760-50</b>	16	16	20-135	177-1195	1027
7092630	<b>760-11</b>	9 x 12	9 x 12	20-135	177-1195	830

**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.



**TSN SLIPPER AND TBN BREAKER TECHNICAL ATION**



- All TSN Slippers and TBN Breaker torque wrenches (apart from 760-00/-01) are fitted with the patented "Mechanical Torque Adjustment Locking Device" to modify torque tester.



- On request, all torque wrenches can be factory pre-set.
- When ordering, please specify the N-m value.
- pre-setting



### 761

#### TORQUE WRENCH TSP SLIPPER 1-10 N-m / 10-90 lbf-in

- Working accuracy: +/- 6% tolerance of the selected torque
- Pre-set torque wrench - without scale
- The precision mechanism slips noticeably when the pre-set value is reached - completely eliminating the risk of over-tightening
- ESD = electrostatic discharge protection
- The pre-setting can be made at the factory or by the user on suitable torque testers
- If a fixed factory setting is required, please specify the N-m value on the order

6.3

1/4"



Code	No.	■"	N-m	lbf-in	↕
1196650	<b>761-05</b>	1/4	1-5	10-45	190
1196731	<b>761-10</b>	1/4	2-10	20-90	190

### 762

#### TORQUE WRENCH TSC SLIPPER 1-10 N-m

- Working accuracy: +/- 6% tolerance of the scale set torque
- Adjustable torque wrench - with scale
- The precision mechanism slips noticeably when the pre-set value is reached - completely eliminating the risk of over-tightening
- Automatic reset to start position
- ESD = electrostatic discharge protection

6.3

1/4"



Code	No.	■"	N-m	lbf-in	↕
1196480	<b>762-05</b>	1/4	1-5	10-45	235
1196510	<b>762-10</b>	1/4	2-10	20-90	235

### 763

#### TORQUE WRENCH DREMOMETER T-FS pre-set, 1-14 N-m

- Torque wrench series with 14 pre-set models
- Working accuracy in accordance with DIN EN ISO 6789 Type II Class E (+/- 6%)
- Lightweight high-grade aluminium casing
- Special ranges are available on request

6.3

1/4"



Code	No.	■"	■	N-m	↕
1947907	<b>763-01</b>	1/4	6.3	1	241
1947915	<b>763-02</b>	1/4	6.3	2	241
1947923	<b>763-03</b>	1/4	6.3	3	241
1947931	<b>763-04</b>	1/4	6.3	4	241
1947958	<b>763-05</b>	1/4	6.3	5	241
1947966	<b>763-06</b>	1/4	6.3	6	241
1947974	<b>763-07</b>	1/4	6.3	7	241
1947990	<b>763-08</b>	1/4	6.3	8	241
1948008	<b>763-09</b>	1/4	6.3	9	241
1948016	<b>763-10</b>	1/4	6.3	10	241
1948024	<b>763-11</b>	1/4	6.3	11	241
1948032	<b>763-12</b>	1/4	6.3	12	241
1948040	<b>763-13</b>	1/4	6.3	13	241
1948059	<b>763-14</b>	1/4	6.3	14	241



## MARKING SYSTEM

### 9000

#### PLASTIC-TAG MARKING SYSTEM

- Neutral coloured plastic ties with a 12x25 mm matt marking area
- Cable-tie length of 170 mm makes them suitable for use on tools of 15-45 mm section
- It is advisable to use a quality marker, e.g. STABILO OH Pen universal permanent (can be supplied on request - No. 9000-10)



Code	No.	↕
1471570	<b>9000-00</b> Pack of 10 plastic cable tags	50
1471562	<b>9000-10</b> Pack of 10 plastic cable tags with quality STABILO OH Pen	150





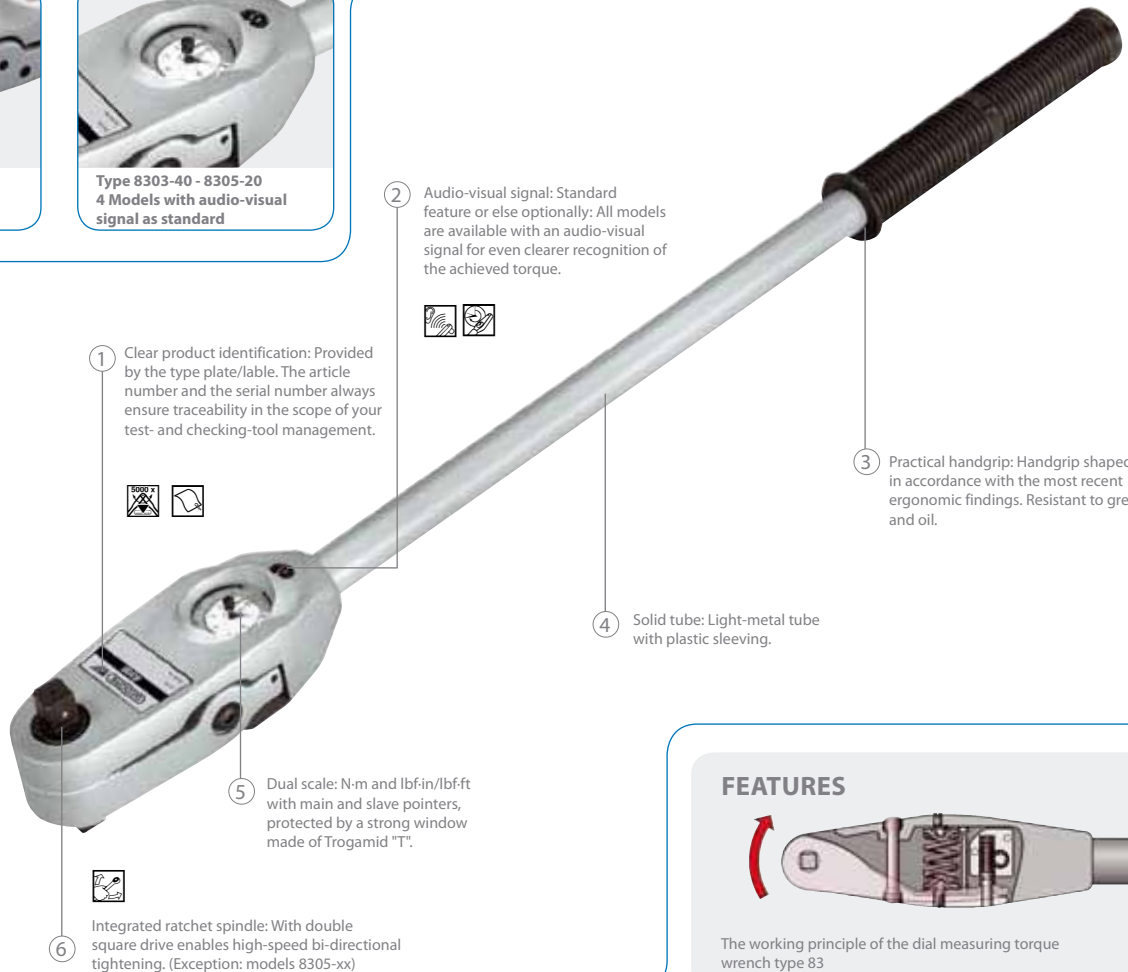
# DIAL MEASURING TORQUE WRENCHES Ideal for test, control and maintenance work



Type 83  $\frac{1}{4}$  -  $\frac{1}{2}$   
0.8-2000 N-m



Type 8303-40 - 8305-20  
4 Models with audio-visual  
signal as standard



1 Clear product identification: Provided by the type plate/label. The article number and the serial number always ensure traceability in the scope of your test- and checking-tool management.

2 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.

3 Practical handgrip: Handgrip shaped in accordance with the most recent ergonomic findings. Resistant to grease and oil.

4 Solid tube: Light-metal tube with plastic sleeving.

5 Dual scale: N-m and lbf-in/lbf-ft with main and slave pointers, protected by a strong window made of Trogamid "T".

6 Integrated ratchet spindle: With double square drive enables high-speed bi-directional tightening. (Exception: models 8305-xx)

## FEATURES



The working principle of the dial measuring torque wrench type 83

## TORQUE WRENCH TYPE 83

### 8301 - 8305

#### TORQUE WRENCH TYPE 83 0.8-2000 N-m / 7 lbf-in - 1500 lbf-ft

- Working accuracy: +/- 4% tolerance of the indicated torque
- With integrated ratchet function for controlled bidirectional tightening (Exception: models 8305-xx)
- Integrated overload protection - mechanical stop up to max. 25% overload of the maximum value
- Models 8301-04 to 8301-40 are ESD rated = with electrostatic discharge protection
- Models 8303-40 to 8305-20 have an audio signal and visual indicator as standard

- 6.3  $\frac{1}{4}$ "
- 10  $\frac{3}{8}$ "
- 12.5  $\frac{1}{2}$ "
- 20  $\frac{3}{4}$ "
- 25 1"
- 
- 
- 
- 
- 
- 
- 



Code	No.	□"	N-m	lbf-in	lbf-ft	Signal	↻
7651390	<b>8301-04</b>	1/4	0,8-4	7-35		optional	500
7651470	<b>8301-12</b>	1/4	2,4-12	21-105		optional	500
7651550	<b>8301-25</b>	3/8	5-25	44-220		optional	500
7651630	<b>8301-40</b>	3/8	8-40	72-360		optional	500
7651710	<b>8302-08</b>	1/2	16-80		12-60	optional	1350
7651980	<b>8302-20</b>	1/2	40-200		30-160	optional	1400
7652280	<b>8303-40</b>	3/4	80-400		60-300	standard	3150
7652010	<b>8304-80</b>	3/4	160-800		120-600	standard	4850
1196790	<b>8305-14</b>	1	280-1400		200-1000	standard	16690
1196804	<b>8305-20</b>	1	400-2000		300-1500	standard	16690

## TORQUE WRENCH TYPE 88

### 8800

#### TORQUE WRENCH TYPE 88 100-1500 N-m / 70-1000 lbf-ft

- Working accuracy: +/- 4% tolerance of the indicated torque
- Breaker mechanism (handle snaps over) is seen and felt when selected torque is reached, reducing the likelihood of over-tightening
- Dual scale in N-m and lbf-ft
- 3/4" square drive with integrated ratchet function or 22 mm spigot-end

- 20
- $\frac{3}{4}$ "
- 22
- 
- 
- 
- 
- 
- 
- 



Code	No.	∅	□"	N-m	lbf-ft	↻
7715700	<b>8800-01</b>		3/4	100-500	70-350	5.5
7715890	<b>8800-02</b>		3/4	150-700	100-500	6.0
7716000	<b>8800-03</b>		3/4	300-1000	200-750	7.3
7716190	<b>8800-04</b>		3/4	700-1500	500-1000	10.5
7716270	<b>8800-06</b>	22		130-550	100-400	4.9





# DREMOPUS Hand torque multipliers. Effortlessly achieve supreme torque values in a very small space.

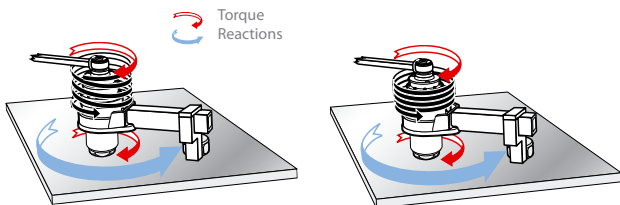


## ADVANTAGES OF A TORQUE MULTIPLIER

- Avoidance of long levers - meaning that you work more safely
- Greater accuracy because the torque is applied slowly
- The specified ratio is the true torque multiplication factor
- You can manage without correction charts for determining the output torque
- Models having an anti-wind-up ratchet enable you to work more safely
- For high-precision torque control, electronic torque transducers are available for all models.

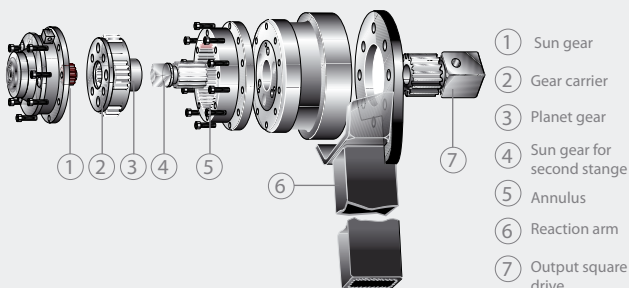


## SAFELY OPERABLE

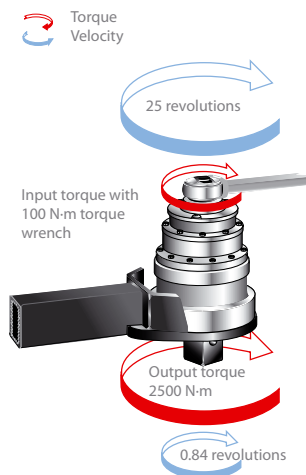


**Important remark on safety: When used upside down, an additional support is strongly recommended. If the screw connection breaks or the torque multiplier releases its torsion wind-up forces, the device could fall out on the user.**

## GEARBOX ELEMENTS



## WORKING PRINCIPLE



The representation shown in the chart is intended for elucidating the principle of torque multiplication. Let us assume an input torque of 100 N-m and an output torque of 2500 N-m. In the case of a ratio of e.g. 1:25, 25 revolutions are required on the input in order to achieve approx. 1 revolution with a torque of 2,500 N-m on the output. This is substantiated in terms of the physical formula: Power = torque x velocity (r.p.m.)

Because we must regard the input and output powers as constant, the multiplication of the torque can only be accomplished through an increased number of revolutions at the input. a torque wrench with a ratchet head function makes it easier for the user to quickly obtain the necessary rotary speeds.

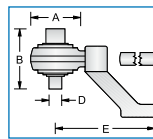




**8600**

**UNIVERSAL TORQUE MULTIPLIER DREMOPLUS 1300-2700 N-m / 960-2000 lbf-ft**

- ✔ Guaranteed accuracy: Better than +/- 4% tolerance
- ✔ For operation in combination with a torque wrench
- ✔ With single-stage precision planet gear
- ✔ Multiplication at the ratio of 1:5 effective
- ✔ With 2 reaction devices



- 20
- 3/4"
- 25
- 1"

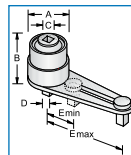
Code	No.	↕
1193554	<b>8600-01</b> Reaction bar for no. 8600 and 8608-01/-02	1050
7622370	<b>8600-02</b> Spare square drive for no. 8600-10/-11	120
1193562	<b>8600-03</b> Reaction foot for no. 8600 and 8608-01/-02	1400
1501593	<b>8600-98</b> Black case, empty - for no. 8600-20	944
7622450	<b>8600-99</b> Red case, empty - for no. 8600-10/-11	944

Code	No.	↕ max. N-m-Output	↕ max. lbf-ft-Output	•:•	□ ° C	■ " D	A	B	E <sub>min</sub>	E <sub>max</sub>	↕ max. N-m-Input	↕ max. lbf-ft-Input	
7715110	<b>8600-11</b> <b>8600-02</b>	1300	960	1:5	1/2	3/4	108	126	210	340	4.2	260	192
7715030	<b>8600-10</b> <b>8600-11</b> <b>8600-01</b> <b>8600-02</b> <b>8600-03</b> <b>K 32 27 32</b>	1300	960	1:5	1/2	3/4	108	126	210	340	6.9	260	192
7692150	<b>8600-20</b> <b>8600-20</b> <b>8600-01</b> <b>8600-03</b>	2700	2000	1:5	3/4	1	108	128	210	340	4.3	540	400

**8601 - 8607**

**TORQUE MULTIPLIER DREMOPLUS 1700-47500 N-m / 1250-35000 lbf-ft**

- ✔ Guaranteed accuracy: Better than +/- 4% tolerance
- ✔ For use in conjunction with a torque wrench
- ✔ Model-dependent reaction plate/reaction arm
- ✔ Torque multiplication ratios; 5:1, 25:1 or 125:1
- ✔ Models with a torque multiplication ratio of 25:1 and above with anti-wind-up ratchet (AWUR)



- 25
- 1"
- 40
- 1 1/2"

Code	No.	↕ max. N-m-Output	↕ max. lbf-ft-Output	•:•	□ ° C	■ " D	A	B	E <sub>min</sub>	E <sub>max</sub>	↕ max. N-m-Input	↕ max. lbf-ft-Input	
7701240	<b>8601-11</b>	1700	1250	1:5	3/4	1	108	126	83	217	4.8	340	250
7703450	<b>8601-13 RS</b>	1700	1250	1:25	1/2	1	108	156	83	217	6.5	68	50
7701400	<b>8602-21</b>	2700	2000	1:5	3/4	1	119	143	86	264	7.2	540	400
7703290	<b>8602-23 RS</b>	2700	2000	1:25	1/2	1	119	187	86	264	10.0	108	80
7701670	<b>8603-31</b>	3400	2500	1:5	3/4	1.1/2	119	149	86	264	8.7	680	500
7704420	<b>8603-34 RS</b>	3400	2500	1:25	1/2	1.1/2	119	195	86	264	10.5	136	100
7704500	<b>8603-35 RS</b>	3400	2500	1:125	1/2	1.1/2	119	220	86	264	11.5	27	20
7701910	<b>8604-44</b>	6000	4500	1:5	3/4	1.1/2	144	165	146	333	13.6	1200	900
7702050	<b>8604-45 RS</b>	6000	4500	1:25	1/2	1.1/2	144	226	146	333	16.5	240	180
7702130	<b>8604-46 RS</b>	6000	4500	1:125	1/2	1.1/2	144	234	146	333	18.0	48	36
7702640	<b>8605-53 RS</b>	20000	14700	1:125	1/2	2.1/2	212	307		500	40.4	160	118
7702210	<b>8605-62 RS</b>	9500	7000	1:25	3/4	1.1/2	184	209	171	351	21.0	380	280
7702480	<b>8605-63 RS</b>	9500	7000	1:125	1/2	1.1/2	184	234	171	351	27.0	76	56
7702720	<b>8607-73 RS</b>	47500	35000	1:125	3/4	2.1/2	315	366			94.8	380	280



### 8608

#### TORQUE MULTIPLIER DREMOPLUS 1300-4500 N-m / 960-3300 lbf-ft

- ▶ Guaranteed accuracy: better than +/- 4% tolerance
- ▶ For use in conjunction with a torque wrench
- ▶ Torque multiplication ratios: 5:1, 15.5:1 or 26:1
- ▶ Model-dependent reaction arm
- ▶ Models 8608-03/-04 with anti-wind-up ratchet (AWUR) and angular disc for additional angular tightening



Code	No.	↕
1193554	<b>8600-01</b> Reaction bar for no. 8600 and 8608-01/-02	1050
1193562	<b>8600-03</b> Reaction foot for no. 8600 and 8608-01/-02	1400
1471643	<b>8608-90</b> Plastic case, empty for 8608-01/-02	1000
1471619	<b>8608-91</b> Plastic case, empty for 8608-03/-04	1400
1526359	<b>8608-92</b> Spare square drive 3/4" for 8608-01	106
1526367	<b>8608-93</b> Spare square drive 1" for 8608-02	890
1526383	<b>8608-94</b> Spare square drive 1" for 8608-03	249
1526391	<b>8608-95</b> Spare square drive 1" for 8608-04	250
1526405	<b>8608-96</b> Reaction bar for 8608-03/-04	1830

Code	No.	↕ max. N-m-Output	↕ max. lbf-ft-Output	•●	□ °C	■ °D	A	B	E	↕	↕ max. N-m-Input	↕ max. lbf-ft-Input
1471678	<b>8608-01</b>	1300	960	1:5	1/2	3/4	108	126	210	4.2	260	192
1471651	<b>8608-02</b>	2700	2000	1:5	3/4	1	108	128	210	4.3	540	400
1471635	<b>8608-03 RS</b>	3000	2200	1:15.5	1/2	1	108	156	450	8.0	193	142
1471627	<b>8608-04 RS</b>	4500	3300	1:26	1/2	1	108	173	450	8.9	173	127

### 8613

#### MINI TORQUE MULTIPLIER DREMOPLUS max. 1000 N-m / 738 lbf-ft

- ▶ Guaranteed accuracy: better than +/- 4% tolerance
- ▶ Torque multiplication ratio: 22:1
- ▶ For use in conjunction with a torque wrench
- ▶ With reaction arm
- ▶ RS = with anti-wind-up ratchet (AWUR)

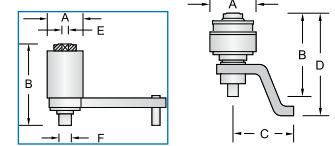


Code	No.	↕ max. N-m-Output	↕ max. lbf-ft-Output	•●	□ °E	■ °F	↕	↕ max. N-m-Input	↕ max. lbf-ft-Input
1820044	<b>8613-01</b>	1000	738	1:22	3/8	3/4	2.3	45	34
1820052	<b>8613-02</b>	1000	738	1:22	1/2	3/4	2.3	45	34
1824597	<b>8613-03 RS</b>	1000	738	1:22	3/8	3/4	2.5	45	34
1824600	<b>8613-04 RS</b>	1000	738	1:22	1/2	3/4	2.5	45	34

### 8615 - 8660

#### TORQUE MULTIPLIER DREMOPLUS COMPACT 1000-6000 N-m / 750-4400 lbf-ft

- ▶ Guaranteed accuracy: better than +/- 4% tolerance
- ▶ For use in conjunction with a torque wrench
- ▶ Torque multiplication ratios: 5:1, 15:1, 25:1, 75:1 or 125:1
- ▶ Models with a torque multiplication ratio of 15:1 and above with anti-wind-up ratchet (AWUR)
- ▶ Model-dependent reaction plate/reaction arm, alternative reaction devices on request



Code	No.	↕
1545175	<b>8615-96</b> Reaction plate short for 8615	900
1545183	<b>8615-97</b> Reaction plate straight for 8615	2550
1545191	<b>8630-96</b> Cranked reaction arm for 8630	2000
1545205	<b>8630-97</b> Reaction plate straight for 8630	2470
1545213	<b>8660-96</b> Cranked reaction arm for 8660	4150
1545221	<b>8660-97</b> Reaction plate straight for 8660	2470

Code	No.	↕ max. N-m-Output	↕ max. lbf-ft-Output	•●	□ °E	■ °F	A	B	↕	↕ max. N-m-Input	↕ max. lbf-ft-Input
7697620	<b>8615-01</b>	1000	750	1:5	1/2	3/4	72	144	4.8	200	150
7697700	<b>8615-02</b>	1000	750	1:5	3/4	3/4	72	144	4.8	200	150
7697890	<b>8615-03 RS</b>	1000	750	1:25	1/2	3/4	72	166	5.8	40	30
7699670	<b>8615-04</b>	1500	1100	1:5	1/2	1	72	144	4.8	300	220
7699750	<b>8615-05</b>	1500	1100	1:5	3/4	1	72	144	4.8	300	220
7699830	<b>8615-06 RS</b>	1500	1100	1:25	1/2	1	72	166	5.8	60	44
7699910	<b>8630-01 RS</b>	2700	2000	1:5	3/4	1	108	196	8.0	540	400
7681030	<b>8630-02 RS</b>	2700	2000	1:15	1/2	1	108	224	9.0	180	133
7681110	<b>8630-03 RS</b>	2700	2000	1:25	1/2	1	108	224	9.0	108	80
7683080	<b>8660-01 RS</b>	6000	4400	1:25	1/2	1.1/2	119	271	15.0	240	176
7684800	<b>8660-02 RS</b>	6000	4400	1:75	1/2	1.1/2	119	301	16.5	80	59
7685020	<b>8660-03 RS</b>	6000	4400	1:125	1/2	1.1/2	119	301	16.5	48	35



# TORCOTRONIC II

Extremely simple to operate on account of the 3 multifunction keys



1 Solid steel tube: Well protected against corrosion, copper-clad and chrome-plated (silk-matt)

2 Multifunction keys: Easy-to-operate / Set torque / Automatic calibration function / Can be switched from N-m to lbf-ft via software

3 Battery compartment: Ergonomic handgrip with integrated battery compartment

5 Large backlit LCD graphic display

4 Integrated technology: RS232 serial interface / Storage function for storing max. 2000 values

6 With 1/2" reversible ratchet. If the ratchet is replaced, it is possible to work with a 9x12 mm (8455-120) or 14x18 mm (8455-350) rectangular cavity



## 8455

### ELECTRONIC TORQUE WRENCH TORCOTRONIC II 10-350 N-m / 7,4-258,2 lbf-ft

12,5

1/2"

- ▶ Microprocessor-controlled, electronic torque wrench
- ▶ For controlled bi-directional tightening
- ▶ Robust industrial design
- ▶ High measurement accuracy: +/- 1% tolerance for all read-off values, +/- 1 digit
- ▶ With 1/2" reversible ratchet. The ratchet is exchangeable, providing the option of using a 9x12 mm (8455-120) or 14x18 mm (8455-350) rectangular cavity
- ▶ Large illuminated graphic LCD display
- ▶ Easy operation with 3 multifunction buttons
- ▶ Serial interface RS232
- ▶ Incl. PC Software

**Attention:** a PC, running a Windows® operating system (from Windows 2000®) is required to obtain the full benefit of all the functions of this product



Code	No.	■"	■	□mm	N-m	lbf-ft	Ⓜ
1932136	<b>8455-120</b>	1/2	12,5	9 x 12	10-120	7,4-88,5	0,9
1932144	<b>8455-350</b>	1/2	12,5	14 x 18	70-350	51,6-258,2	1,3

# E-TORC II

Microprocessor-controlled torque wrench

5 Drive: 22 mm spigot socket, with 1/4" drive or 9x12 / 14x18 mm rectangular cavity with pin-locking mechanism. For hard-to-access and confined locations. Special tools on request

3 Torque / rotary angle control: Visual, acoustic and sensory signal when the set torque is achieved. Additional LED progress bar display of the increasing torque. Optional graphic readout. High-contrast backlit graphic display.

4 Data transmission: RS232

1 Function keys: Easy-to-operate / Push-button calibration function / Selectable readings in N-m or lbf-ft / lbf-in via software

2 Lightweight and comfortable: The aluminium housing and ergonomically designed handgrip enable easy and safe operation, even over wide tightening ranges



Manufacture, Sales Department & Service  
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 Telefon: +49 (0) 212 888-0 · Telefax: +49 (0) 212 888-100 · rahsol-solutions@gedore.de



# ELECTRONIC TORQUE TESTER DREMOTEST E

8612

## ELECTRONIC TORQUE TESTER DREMOTEST E 0,9-1100 N-m / 0,7 - 811 lbf-ft

- For verifying and setting clockwise torque wrenches in the range from 0.9-1100 N-m
- Simple, electronic torque tester with integrated torque transducer (DMS)
- With fixed hexagon female drive, 10, 17, 36 mm (model dependent)
- With 1/4", 3/8", 1/2" and 3/4" square drive adaptor (model dependent)
- High measurement accuracy: +/- 1% tolerance of reading, +/- 1 digit
- Break-Point-measurement (1st peak)
- 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



Code	No.	Ø	N-m	lbf-ft	Adaptor	Weight
1947699	<b>8612-050</b>	10	0,9-55	0,7-40,6	1/4", 3/8"	3.0
1856111	<b>8612-300</b>	17	9-320	7-236	3/8", 1/2"	3.0
1947702	<b>8612-1000</b>	36	90-1100	66-811	1/2", 3/4"	10.0
1878719	<b>8612-390</b>					0.2

# ELECTRONIC TORSIONS TORQUE TESTER E-TP

The smart electronic torque tester series with the new torsion metrology 0.5-3150 N·m

The smart and modular system of the E-tp which is made possible by keeping separate the measuring and display instrument, convinces and offers the user an ideal measuring environment in any kind of operation. Depending on use, the display unit can easily be taken out and placed in another position, to enable the user to always have the display in optimal view.

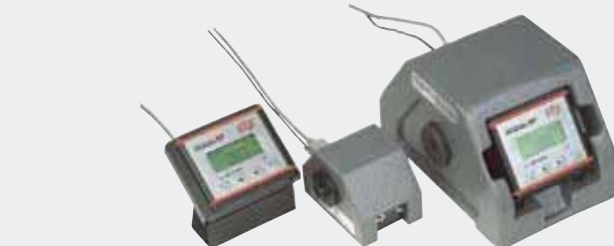
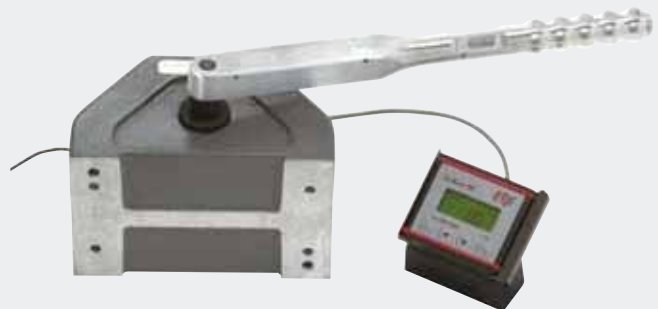
### Your advantage:

In all applications the operating display is always in the direct field of vision and near to the operator. With the new E-tp you can avoid complicated and impractical measuring operations caused by a bad visibility of the display from a distance which is often the case at standard torque testers with a fixed display.

The E-tp tester enables a precise and comfortable operation, verifying and calibrating of all clockwise and anti-clockwise torque wrenches in the range of 0.5-3150 N·m. The torsion metrology, located in the robust aluminium housing, allows the user a horizontal as well as a vertical torque operation complying with standards (DIN EN ISO 6789).

### Your advantage:

With one E-tp torque tester only, bi-directional torque wrenches can be tested and calibrated in the horizontal or vertical plane.



Manufacture, Sales Department & Service: Richard Abr. Herder KG · Rathausstr. 22 · 42659 Solingen · GERMANY  
Telefon: +49 (0) 212 888-0 · Telefax: +49 (0) 212 888-100 · rahsol-solutions@gedore.de



## TORQUE CALIBRATION ANALYSER

**8612**

**TORQUE CALIBRATION ANALYSER DREMOTEST 0-25 N-m / 0-220 lbf-in**

- ✔ Guaranteed measuring accuracy: +/- 2% of read-out in the core range of 20 - 100% of the scale
- ✔ Dual scale in cN-m and ozf-in or N-m and lbf-in
- ✔ Model no. 8612-700 suitable for clockwise and counter-clockwise calibration; all other models for clockwise tightening
- ✔ For testing and setting clockwise torque wrenches and screwdrivers in the lower torque range of 0 - 25 N-m



Code	No.	•"	Scale cN-m / N-m	Scale ozf-in / lbf-in	Adaptor	⚙️
1824619	<b>8612-700</b>	1/4	0-10 cN-m	0-14 ozf-in		1.0
1824627	<b>8612-710</b>		7-35 cN-m	10-50 ozf-in		1.7
1824635	<b>8612-720</b>		26-130 cN-m	36-180 ozf-in		1.7
1824643	<b>8612-730</b>		0,8-4,0 N-m	7-36 lbf-in		1.7
1824651	<b>8612-740</b>		2,4-12 N-m	24-120 lbf-in		1.7
1824678	<b>8612-750</b>		5-25 N-m	44-220 lbf-in		1.8

**Accessories Sockets**  
For GEDORE sockets from 1/4" to 1" see page 96



**Accessories Impact sockets**  
Where very high forces are the case, we strongly recommend the use of impact sockets. You find these products at GEDORE up from page 137



## EMPTY STANDARD PACKAGING

**PLASTIC CASSETTES EMPTY FOR DREMOMETER MINI + AM**

- ✔ Standard packaging for torque wrench sets DREMOMETER MINI and AM
- ✔ Robust and durable, ideal for storage and transport
- ✔ (III. similar)



Code	No.	⚙️	📦
1986805	<b>753-88</b>	296	
	Plastic cassette + foam inlay for DREMO MINI		
7620910	<b>8554-99</b>	310	
	Plastic cassette + foam inlay for DREMO AM		

**SHEET METAL CASE EMPTY FOR DREMOMETER A-F, W**

- ✔ Standard packaging for sets of the torque wrench sets DREMOMETER A-F, W
- ✔ Robust and durable, ideal for storage and transport
- ✔ With integrated metal dividers or pockets for the accessories



Code	No.	⚙️
3064360	<b>8261-90</b>	140
	Sheet metal case for DREMO BW	
7621050	<b>8560-90</b>	1200
	Sheet metal case for DREMO A	
7621130	<b>8561-90</b>	1698
	Sheet metal case for DREMO B	
7621210	<b>8562-90</b>	1950
	Sheet metal case for DREMO BC/C	
7621800	<b>8570-90</b>	3224
	Sheet metal case for DREMO CD	
7621480	<b>8563-90</b>	3713
	Sheet metal case for DREMO D/DS	
7622100	<b>8571-90</b>	3656
	Sheet metal case for DREMO DR/DX	
7621560	<b>8564-90</b>	10300
	Sheet metal case for DREMO E	
1742876	<b>8572-90</b>	6400
	Sheet metal case for DREMO F	



## TORCOFIX MODULE SYSTEMS

### FLEXIBILITY WITH FLAIR

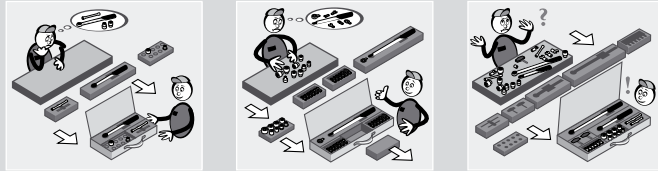
► The R. A. Herder KG module system adapts itself exactly to your wishes and requirements. At last, you can assemble your sets completely individually. Exactly and only using the tools you actually need. For every need, our system provides you with the perfect solution. Whether you chose a standard or an individual solution, your TORCOFIX torque wrenches with or without accessories, are always stored and transported professionally by virtue of the new modular system design. Your set is flexibly alterable and extendable 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.

#### And this is how it is done:

► Just select the appropriate empty modules with the desired or already available tools and pick up a suitable case. Where necessary, fill with fill-in pieces (no. 1400-00) because the case must always be fully loaded.

#### Or else, even easier:

► 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!



### MODULES EMPTY

- Flexible and individual - usable in combination with the 1001/1003-90 metal cases (modular system)
- Solid and robust foam rubber inserts
- For TORCOFIX K, SE, UK, Z torque wrench series
- Flexible modular system allowing individual assembly of tool sets
- Available in 3 sizes and 16 different designs (see table)



Code	No.	Number of nest-holes	L	W	H	±
1582747	<b>1005-00</b> Module only - for TORCOFIX 4549	for 1 wrench + 5 parts	540	90	70	100
1233378	<b>1010-00</b> Module only - for TORCOFIX up to 100 N-m	for 1 wrench + 1 ratchet head	540	90	70	100
1233394	<b>1020-00</b> Module only - for TORCOFIX up to 400 N-m	for 1 wrench + 1 ratchet head	810	90	70	160
1582755	<b>1105-00</b> Module only - for 1/4" sockets	for 13 parts	270	90	40	100
1582763	<b>1106-00</b> Module only - for 1/4" screwdriver bit sockets	for 16 parts	270	90	40	100
1233432	<b>1110-00</b> Module only - for 3/8" sockets and INBUS type end fittings	for 6 parts + 5 parts	270	90	40	30
1233424	<b>1120-00</b> Module only small - for 1/2" sockets	for 11 parts	270	90	40	30
1233408	<b>1130-00</b> Module only large - for 1/2" sockets	for 9 parts	270	90	40	28
1233467	<b>1140-00</b> Module only - for 3/8" and 1/2" extensions	for 2 parts	270	90	70	48
1233513	<b>1150-00</b> Module only - for 3/8" and 1/2" T-grip	for 2 parts	270	90	70	43
1233440	<b>1210-00</b> Module only - for 3/8" and 1/2" INBUS and TORX type end fittings	for 6 parts	270	90	70	48
1233505	<b>1220-00</b> Module only - for 16 Z spanner end fittings	for 6 parts	270	90	70	44
1233572	<b>1310-00</b> Module only - for 9x12 mm spanner end fittings	for 7 parts	270	90	70	50
1233475	<b>1320-00</b> Module only small - for 14x18 mm spanner end fittings	for 5 parts	270	90	70	49
1233491	<b>1330-00</b> Module only large - for 14x18 mm spanner end fittings	for 4 parts	270	90	70	50
1233521	<b>1400-00</b> Module only - fill-in piece without nest-holes	for 0 parts	270	90	70	49

### SHEET METAL CASE EMPTY FOR TORCOFIX / MODULE



Code	No.	±
1149199	<b>1001-90</b> Sheet metal case empty for TORCOFIX and modules	2655
1149210	<b>1002-90</b> Sheet metal case empty for TORCOFIX and modules	3854
1149202	<b>1003-90</b> Sheet metal case empty for TORCOFIX and modules	5111
1255762	<b>1001-91</b> Cut-out for lid for 1001-90	10
1255770	<b>1002-91</b> Cut-out for lid for 1002-90	10
1255789	<b>1003-91</b> Cut-out for lid for 1003-90	10



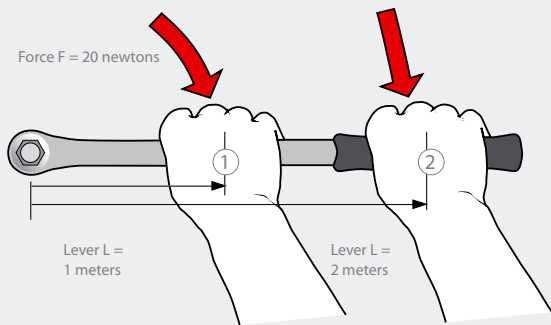


# HOW IS THE TORQUE MEASURED?



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 MA = Force F x Lever L

## Working principle



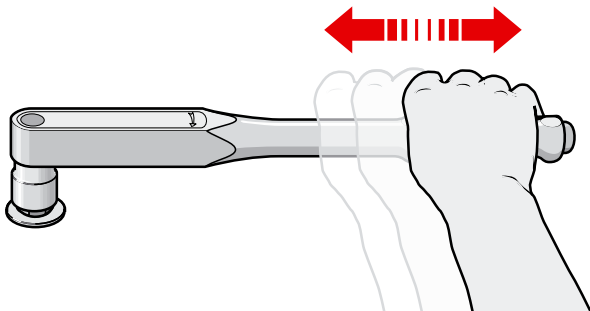
The diagram shows dependencies of force F and lever L on the torque on the base of 2 examples.

In order to determine the relevant torque, we employ the formula,  $M_A = F \times L$ .

- ①  $M_A = F \times L = 20 \text{ N} \times 1 \text{ m} = 20 \text{ N-m}$  (newton meters)
- ②  $M_A = F \times L = 20 \text{ N} \times 2 \text{ m} = 40 \text{ N-m}$  (newton meters)

This means that the actual torque applied to the screw changes if the hand's position on the wrench changes.

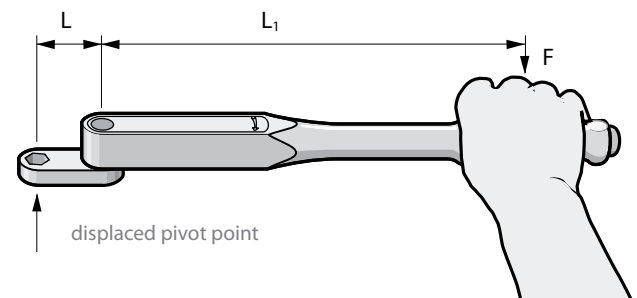
## OPERABLE WITHOUT INACCURACIES



### 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 of 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 accuracy.

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.



### 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 (" $L_1+L$ ") 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.

The set torque when using special spanners is determined along the following lines:

$$\text{Set torque} = \frac{M_A \times L_1}{L + L_1}$$

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 norm-compliant standard spanner end fittings, then the setting torque does not have to be re-calculated on the basis of the below-specified formula. Here, we already take the gauge (L) into consideration when adjusting the wrench.

Only if you are using your own designs (therby changing the dimension "L") does the setting torque have to be re-calculated.

- F = Force
- $L_1$  = Distance (path) from the middle of the handgrip to the pivot point
- L = Distance (path) from the middle of the screw to the pivot point
- $M_A$  = Torque





DREMOMETER  
TYP C



DREMOMETER  
TYP DL

DREMOMETER  
TYP DZ



DREMOMETER  
TYP W



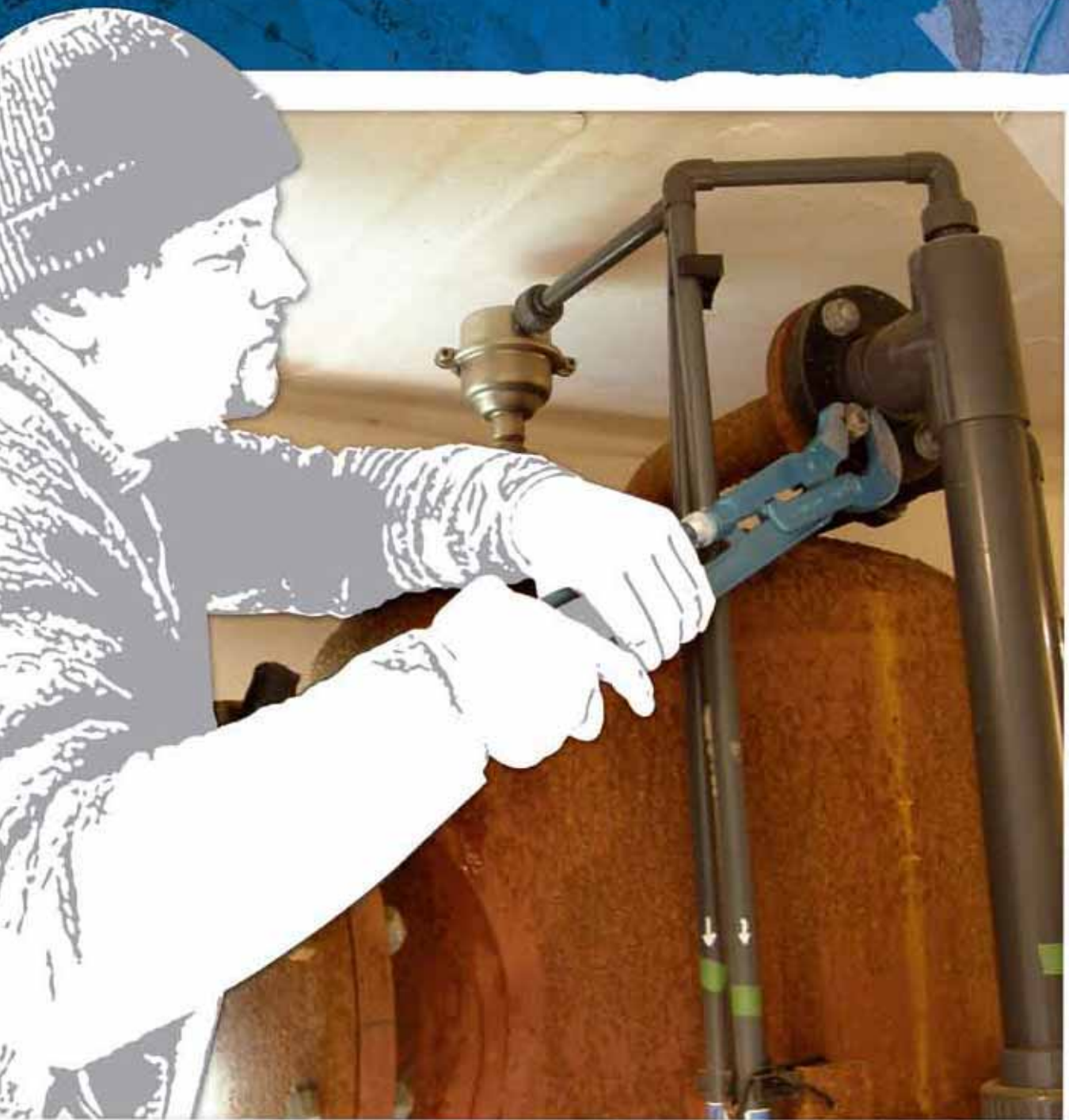
**GEDORE**

# ALL AROUND THE PIPE A STRONG GRIP

## OVERVIEW

- ✔ Pipe wrenches
- ✔ Water pump pliers
- ✔ Tin snips
- ✔ Arc punches
- ✔ Pipe cleaning equipment
- ✔ Pipe bending systems
- ✔ Technical information





# ECK-SCHWEDE-SNAP® - THE SWEDISH

Tried and tested bestseller with a powerful grip for more than 50 years

① The special, supplementary flame hardening of the teeth increases and improves the grip and durability of the snap®

①

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 chrome-vanadium special steel, hardened and tempered

⑤

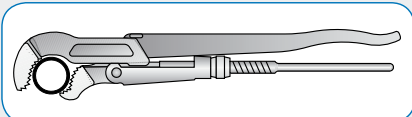
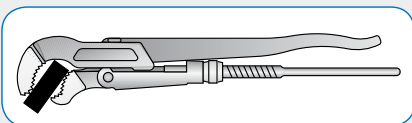
The mouth of the jaw opening is always narrower than the pipe diameter, reliably preventing the workpiece from slipping out. Securely grips pipes and screw couplings

④

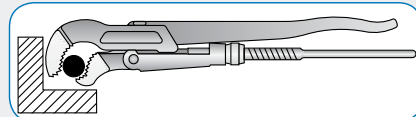
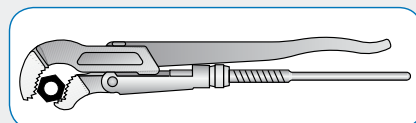
Stove enamelling guarantees long-life protection



## 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



# 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.

## WRENCH - HOOK AND SLEEVE

### Hook

- 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; the thread has a rounded geometry. The absence of sharp edges ensures that no chips or other contaminants can collect in the thread to hinder movement
- ⑤ The slot for the shaft is milled. The teeth are broached



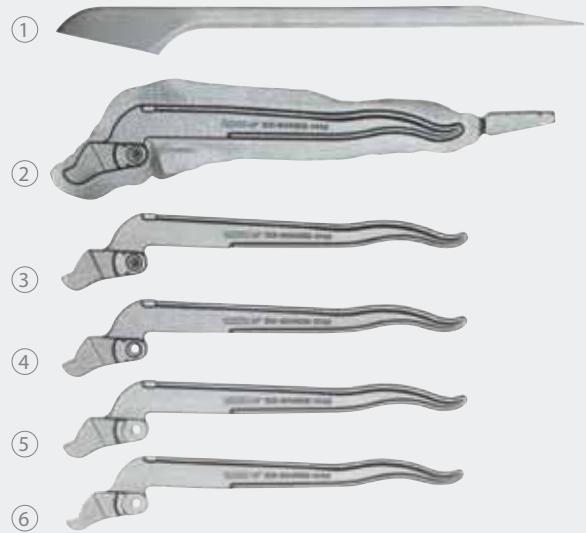
### Sleeve

- 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



## 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



## ASSEMBLY AND END MACHINING:

- 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



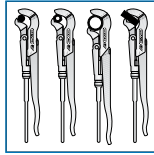


**PIPE WRENCHES**

**100**

**ELBOW PIPE WRENCH ECK-SCHWEDE-SNAP® - THE SWEDISH THE ORIGINAL**

- ✔ To DIN 5234 Form C
- ✔ Heavy-duty pipe wrench with three-point grip
- ✔ For working in confined spaces
- ✔ GEDORE chrome-vanadium special steel
- ✔ Drop forged
- ✔ Tempered, teeth additionally hardened
- ✔ Teeth offset against direction of rotation
- ✔ Roller secured against loss
- ✔ Stove enamelled blue



Code	No.	Size	mm	mm	mm	
4500060	<b>100 1/2</b>	1/2	35	245	380	1
4500140	<b>100 1</b>	1	48	320	800	1
4500220	<b>100 1.1/2</b>	1.1/2	60	420	1400	1
4500300	<b>100 2</b>	2	80	550	2240	1
4500490	<b>100 3</b>	3	110	630	3580	1

**9100**

**PIPE WRENCH S**

- ✔ To DIN 5234 Form C
- ✔ For working in confined spaces
- ✔ GEDORE chrome-vanadium special steel
- ✔ Drop forged
- ✔ Tempered, teeth additionally hardened
- ✔ Teeth offset against direction of rotation
- ✔ Roller secured against loss
- ✔ Stove enamelled silver

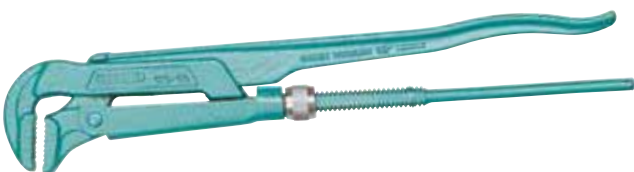
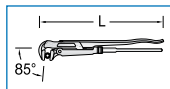


Code	No.	Size	mm	mm	mm	
4531960	<b>9100 1/2</b>	1/2	35	245	380	1
4532180	<b>9100 1</b>	1	48	320	800	1
4532260	<b>9100 1.1/2</b>	1.1/2	60	420	1400	1
4532340	<b>9100 2</b>	2	80	550	2240	1
4532420	<b>9100 3</b>	3	110	630	3580	1

**175**

**PIPE WRENCH Swedish pattern**

- ✔ To DIN 5234 Form A
- ✔ Especially sturdy type for heavy use
- ✔ GEDORE chrome-vanadium special steel
- ✔ Drop forged
- ✔ Tempered, teeth additionally hardened
- ✔ Teeth offset against direction of rotation
- ✔ Roller secured against loss
- ✔ Stove enamelled blue



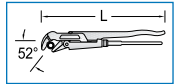
Code	No.	Size	mm	L	mm	
6437260	<b>175 3/4</b>	3/4	38	280	450	1
6437340	<b>175 1</b>	1	44	320	680	1
6437420	<b>175 1.1/2</b>	1.1/2	62	430	1500	1
6437500	<b>175 2</b>	2	76	580	2600	1
6437690	<b>175 3</b>	3	105	670	3700	1
6437770	<b>175 4</b>	4	130	760	5200	1



**176**

**ELBOW PIPE WRENCH**

- ✔ To DIN 5234 Form B
- ✔ For working in confined spaces
- ✔ Narrow head, multi-grip jaw pattern
- ✔ GEDORE chrome-vanadium special steel
- ✔ Drop forged
- ✔ Tempered, teeth additionally hardened
- ✔ Teeth offset against direction of rotation
- ✔ Roller secured against loss
- ✔ Stove enamelled blue



Code	No.	Size	mm	L	mm	
6438070	<b>176 3/4</b>	3/4	38	280	450	1
6438150	<b>176 1</b>	1	44	320	680	1
6438230	<b>176 1.1/2</b>	1.1/2	62	430	1400	1
6438310	<b>176 2</b>	2	76	580	2600	1
6438580	<b>176 3</b>	3	105	670	3700	1

**225**

**PIPE WRENCH STILLSON**

- ✔ Stillson type, forged parts hardened and tempered
- ✔ Teeth offset against direction of rotation and induction-hardened
- ✔ GEDORE special hardened and tempered steel
- ✔ Ground up to 24°



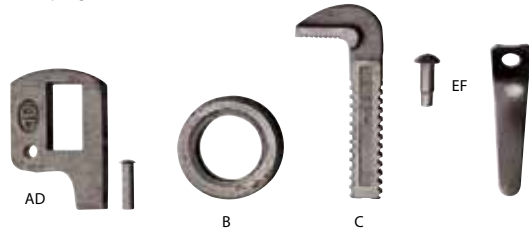
Code	No.	mm	inch	mm	inch	mm	inch
6450280	<b>225 8</b>	180	8	27	1.1/16	3/4	300
6450360	<b>225 10</b>	240	10	35	1.3/8	1	600
6450440	<b>225 12</b>	280	12	44	1.3/4	1.1/4	900
6450520	<b>225 14</b>	320	14	48	1.7/8	1.1/2	1100
6450600	<b>225 18</b>	410	18	60	2.3/8	2	1650
6450790	<b>225 24</b>	540	24	76	2.1/2	3	3000
6450870	<b>225 36</b>	920	36	100	3.1/2	4	5600
6450950	<b>225 48</b>	1220	48	145	5.3/4	5	9300



## E-225

### SPARE PARTS

- Combine the spare part order No. with the correct size:
- E-225 AD = housing and rivet
- E-227 B = roller
- E-227 C = jaw
- E-227 EF = rivet and spring



Code	No.	Description	↕	📦
1490923	<b>E-225 AD 8</b>	Housing and rivet	50	1
1490931	<b>E-225 AD 10</b>	Housing and rivet	117	1
1490958	<b>E-225 AD 12</b>	Housing and rivet	156	1
1490966	<b>E-225 AD 14</b>	Housing and rivet	130	1
1490974	<b>E-225 AD 18</b>	Housing and rivet	250	1
1490982	<b>E-225 AD 24</b>	Housing and rivet	430	1
5440860	<b>E-225 AD 36</b>	Housing and rivet	660	1
5440940	<b>E-225 AD 48</b>	Housing and rivet	860	1
1490834	<b>E-225 B 8</b>	Roller	10	1
1490842	<b>E-225 B 10</b>	Roller	25	1
1490850	<b>E-225 B 12</b>	Roller	35	1
1490869	<b>E-225 B 14</b>	Roller	45	1
1490877	<b>E-225 B 18</b>	Roller	60	1
1490885	<b>E-225 B 24</b>	Roller	135	1
5448840	<b>E-225 B 36</b>	Roller	240	1
5448920	<b>E-225 B 48</b>	Roller	310	1
1490753	<b>E-225 C 8</b>	Jaw	85	1
1490761	<b>E-225 C 10</b>	Jaw	190	1
1490788	<b>E-225 C 12</b>	Jaw	260	1
1490796	<b>E-225 C 14</b>	Jaw	340	1
1490818	<b>E-225 C 18</b>	Jaw	470	1
1490826	<b>E-225 C 24</b>	Jaw	830	1
5449730	<b>E-225 C 36</b>	Jaw	1600	1
5449810	<b>E-225 C 48</b>	Jaw	2500	1
1490990	<b>E-225 EF 8</b>	Rivet and spring	3	1
1491008	<b>E-225 EF 10</b>	Rivet and spring	3	1
1491016	<b>E-225 EF 12</b>	Rivet and spring	3	1
1491040	<b>E-225 EF 14</b>	Rivet and spring	3	1
1491024	<b>E-225 EF 18</b>	Rivet and spring	3	1
1491032	<b>E-225 EF 24</b>	Rivet and spring	3	1
5452870	<b>E-225 EF 36</b>	Rivet and spring	10	1
5452950	<b>E-225 EF 48</b>	Rivet and spring	10	1

## 227

### PIPE WRENCH American pattern

- Extra heavy type
- Forged parts hardened and tempered
- Teeth offset against direction of rotation and induction-hardened
- Handle made from malleable cast iron
- GEDORE special hardened and tempered steel
- Ground
- Stove enamelled handles

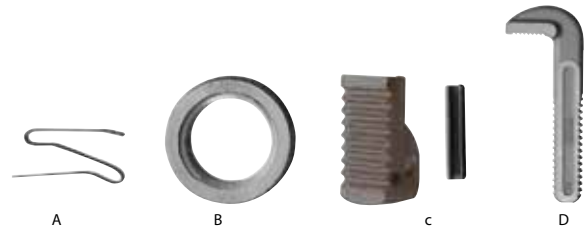


Code	No.	↳mm↳	↳inch↳	mm	inch	↳mm↳	↳mm↳	📦
6453030	<b>227 8</b>	190	8	38	1.1/2	1	400	1
6453110	<b>227 10</b>	245	10	48	1.7/8	1.1/2	750	1
6453460	<b>227 14</b>	325	14	60	2.3/8	2	1500	1
6453540	<b>227 18</b>	415	18	76	3	2.1/2	2400	1
6453620	<b>227 24</b>	560	24	89	3.1/2	3	4300	1

## E-227

### SPARE PARTS

- Combine the spare part order no. with the correct size:
- E-227 A = spare spring
- E-227 B = spare adjuster screw
- E-227 C = spare jaw with pin
- E-227 D = spare hook



Code	No.	Description	↕	📦
1491245	<b>E-227 A 8</b>	Spring	1	1
1491253	<b>E-227 A 10</b>	Spring	2	1
1491261	<b>E-227 A 14</b>	Spring	5	1
1491296	<b>E-227 A 18</b>	Spring	6	1
1491318	<b>E-227 A 24</b>	Spring	8	1
1491121	<b>E-227 B 8</b>	Roller	12	1
1491148	<b>E-227 B 10</b>	Roller	25	1
1491164	<b>E-227 B 14</b>	Roller	50	1
1491172	<b>E-227 B 18</b>	Roller	80	1
1491180	<b>E-227 B 24</b>	Roller	140	1
1491199	<b>E-227 C 8</b>	Jaw with pin	25	1
1491202	<b>E-227 C 10</b>	Jaw with pin	35	1
1491210	<b>E-227 C 14</b>	Jaw with pin	60	1
1491229	<b>E-227 C 18</b>	Jaw with pin	85	1
1491237	<b>E-227 C 24</b>	Jaw with pin	150	1
1491067	<b>E-227 D 8</b>	Hook	110	1
1491075	<b>E-227 D 10</b>	Hook	210	1
1491091	<b>E-227 D 14</b>	Hook	440	1
1491105	<b>E-227 D 18</b>	Hook	720	1
1491113	<b>E-227 D 24</b>	Hook	1000	1

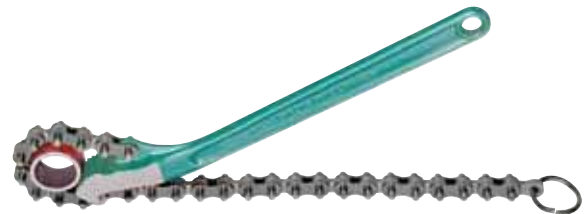
Detailed information on products, promotions and trade fairs  
... [www.gedore.com](http://www.gedore.com)

## CHAIN PIPE WRENCHES

### 120

#### CHAIN PIPE WRENCH BOSS®

- Ideal for use in areas with restricted access
- Ratchet-type operation
- Handle in GEDORE chrome-vanadium special steel
- Drop forged
- Tempered, teeth additionally hardened



Code	No.	Size	∅mm	↳mm↳	↳mm↳	📦
4502350	<b>120000</b>	3/8-4	17-114	300	720	1

### E 120

#### SPARE CHAIN BOSS®

Code	No.	↳mm↳	↳mm↳	📦
4535280	<b>120200</b>	450	320	1



**122**

**CHAIN PIPE WRENCH American pattern**

- High efficiency due to maximum-possible lever action
- Tempered steel as per DIN 17200
- With hardened exchangeable jaws, toothed on both sides



Code	No.	Size	Ø mm	l-mm	mm	kg
4535360	<b>122002</b>	1/8-2	10-60	510	2.5	1
4535440	<b>122003</b>	1/4-3	13-89	710	4.0	1
4502430	<b>122004</b>	3/4-4	27-114	940	6.6	1
4502510	<b>122006</b>	1-6	33-168	1090	9.1	1
4548340	<b>122008</b>	1.1/2-8	48-219	1275	13.0	1
4548420	<b>122012</b>	2-12	60-324	1600	22.1	1

**E 122**

**SPARE CHAIN**



Code	No.	Size	l-mm	mm	kg
4548500	<b>122202</b>	1/8-2	380	0.7	1
4548690	<b>122203</b>	1/4-3	490	1.0	1
4548770	<b>122204</b>	3/4-4	610	1.4	1
4548850	<b>122206</b>	1-6	850	2.2	1
4548930	<b>122208</b>	1.1/2-8	1080	3.3	1
4549070	<b>122212</b>	2-12	1450	5.7	1

**E 122**

**SPARE JAWS Pair**



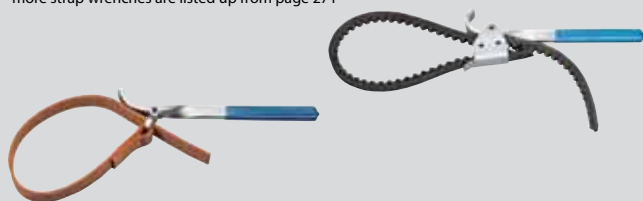
Code	No.	Size	mm	kg
4549150	<b>122302</b>	1/8-2	0.3	1
4549230	<b>122303</b>	1/4-3	1.0	1
4549310	<b>122304</b>	3/4-4	1.5	1
4549580	<b>122306</b>	1-6	2.1	1
4549660	<b>122308</b>	1.1/2-8	2.6	1
4549740	<b>122312</b>	2-12	4.5	1

**E 122**

**SPARE BOLTS Pair**

Code	No.	Size	mm	kg
4549820	<b>122402</b>	1/8-2	27	1
4549900	<b>122403</b>	1/4-3	60	1
4550080	<b>122404</b>	3/4-4	57	1
4550160	<b>122406</b>	1-6	58	1
4550240	<b>122408</b>	1.1/2-8	92	1
4550320	<b>122412</b>	2-12	106	1

more strap wrenches are listed up from page 271



**STRAP WRENCHES**

**126**

**STRAP WRENCH**

- Very gentle to surfaces, particularly suitable for chrome-plated fittings and polished surfaces
- Handle in light metal
- With high-strength nylon strap



Code	No.	mm	Ø mm	l-mm	mm	kg
1468308	<b>126008</b>	27	220	300	325	1

**E 126**

**SPARE STRAP**

Code	No.	mm	l-mm	mm	kg
1468316	<b>126208</b>	27	950	35	1

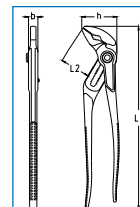
**WATER PUMP PLIERS**

- SB = self-service pack (plastic hanging clip, Euro perforation, for self-service display wallboard)

**142**

**UNIVERSAL PLIERS**

- Acc. to DIN ISO 8976 Form C
- With safety box joint and protection against blocking
- Fine adjustment
- Single-hand push-button adjustment
- Long slim jaws
- Long jaws, slim handles with forged serrations in execution C
- Offset gripping faces for self-gripping of nuts and pipes
- GEDORE chrome-vanadium special steel
- Induction-rehardened serrated faces
- SB = self-service pack
- 142 10 = 15 settings
- 142 12 = 17 settings



Code	No.	L <sub>1</sub>	L <sub>2</sub>	b	h	mm	mm	mm	kg
6416260	<b>142 10 C</b>	250	39	7.5	48	38	310	5	
6416180	<b>142 10 TL</b>	255	39	7.5	48	38	320	5	
6416340	<b>142 10 JC</b>	260	39	7.5	48	38	350	5	
1995553	<b>142 12 C</b>	300	43	8.5	55	44	510	1	
1995413	<b>142 12 TL</b>	300	43	8.5	55	44	530	1	

Code	No.	L <sub>1</sub>	L <sub>2</sub>	b	h	mm	mm	mm	kg
1700138	<b>SB 142 10 C</b>	250	39	7.5	48	38	320	5	
1700146	<b>SB 142 10 JC</b>	260	39	7.5	48	38	360	5	
1700111	<b>SB 142 10 TL</b>	255	39	7.5	48	38	330	5	

Deviant packing units see article description.

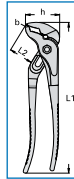




**143**

**UNIVERSAL PLIERS 5 settings**

- ▶ Acc. to DIN ISO 8976 Form B
- ▶ Forged twin-groove lay-on slip joint and toothed recess
- ▶ Offset gripping faces for self-gripping of nuts and pipes
- ▶ With finger protection
- ▶ GEDORE chrome-vanadium special steel
- ▶ Induction-rehardened serrated faces
- ▶ E-143 = spare bolt, nut
- ▶ SB = self-service pack



Code	No.	L <sub>1</sub>	L <sub>2</sub>	b	h	mm		
6410650	<b>143 10 C</b>	248	40	10.6	56	32	300	5
6415880	<b>143 10 JC</b>	252	40	10.6	56	32	350	5

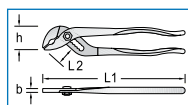
Code	No.	L <sub>1</sub>	L <sub>2</sub>	b	h	mm		
1700154	<b>SB 143 10 C</b>	248	40	10.6	56	32	310	5
1700162	<b>SB 143 10 JC</b>	252	40	10.6	56	32	360	5

Code	No.	Description		
5410600	<b>E-143 A 10</b>	Set of spares	12	1

**144**

**MECHANICS PLIERS 7 settings**

- ▶ Acc. to DIN ISO 8976 Form A
- ▶ Lay-on slip joint and straight, serrated jaws
- ▶ GEDORE chrome-vanadium special steel
- ▶ Induction-rehardened serrated faces
- ▶ E-144 = spare bolt, washer and nut



Code	No.	L <sub>1</sub>	L <sub>2</sub>	b	h	mm		
6411110	<b>144 4.1/2 C</b>	113	13	3.8	23	16	50	1
6411380	<b>144 7 C</b>	175	22	5.5	35	26	150	1

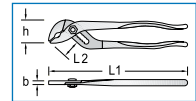
Code	No.	Description		
5411170	<b>E-144 A 4.1/2</b>	Set of spares	7	1
5411330	<b>E-144 A 7</b>	Set of spares	10	1

Deviant packing units see article description.

**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 chrome-vanadium special steel
- ▶ Execution C = handles cross-hatched
- ▶ Execution JC = with 2-component handle sleeves
- ▶ 145 10 = 7 settings, with extra narrow jaws
- ▶ 145 15 = 9 settings
- ▶ 145 20 = 11 settings
- ▶ E-145 = spare bolt, washer and nut
- ▶ SB = self-service pack



Code	No.	L <sub>1</sub>	L <sub>2</sub>	b	h	mm		
6412000	<b>145 10 C</b>	250	41	7.8	47	39	320	5
6415610	<b>145 10 JC</b>	260	41	7.8	47	39	330	5
6412190	<b>145 15 C</b>	375	46	10.4	72	50	700	1
6412270	<b>145 20 C</b>	500	55	13.8	98	65	1450	1

Code	No.	L <sub>1</sub>	L <sub>2</sub>	b	h	mm		
1700073	<b>SB 145 10 C</b>	250	32	7.8	47	39	330	5
1700081	<b>SB 145 10 JC</b>	260	32	7.8	47	39	340	5

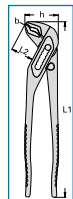
Code	No.	Description		
5412140	<b>E-145 A 15</b>	Set of spares 3-5a	20	1
5412220	<b>E-145 A 20</b>	Set of spares 3-5b	35	1



**146**

**UNIVERSAL PLIERS 7 settings**

- ▶ Acc. to DIN ISO 8976 Form C
- ▶ With safety box joint and finger protection
- ▶ Offset gripping faces for self-gripping
- ▶ GEDORE chrome-vanadium special steel
- ▶ Induction-rehardened serrated faces
- ▶ SB = self-service pack



Code	No.	L <sub>1</sub>	L <sub>2</sub>	b	h	mm		
6413240	<b>146 10 CP</b>	250	32.5	4.8	48	31	355	5

Code	No.	L <sub>1</sub>	L <sub>2</sub>	b	h	mm		
1700103	<b>SB 146 10 CP</b>	250	32.5	4.8	48	31	365	5

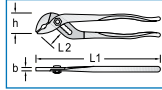




**9144**

**WATER PUMP PLIERS**

- To DIN ISO 8976
- Chrome-vanadium steel
- With box joint
- Drop forged

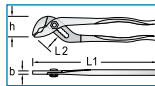


Code	No.	L <sub>1</sub>	L <sub>2</sub>	b	h	mm	mm	mm	mm
4533230	<b>914417</b>	175	28	7.0	33	26	150	5	
4533310	<b>914424</b>	240	35	7.5	40	33	290	5	
4533580	<b>914430</b>	300	40	9.0	60	45	480	5	

**146 B**

**SPECIAL WATER PUMP PLIERS 5 settings**

- Acc. to DIN ISO 8976 Form C
- Quick-setting tooth-lock box joint, with toothed recess
- Absolutely safe and positive - will not slip out of adjustment in use
- With finger protection
- GEDORE chrome-vanadium special steel, chrome-plated and polished
- SB = self-service pack

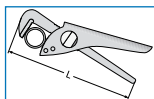


Code	No.	L <sub>1</sub>	L <sub>2</sub>	b	h	mm	mm	mm	mm
6412510	<b>146 B 10</b>	250	45	8	55	50	480	1	
1700170	<b>SB 146 B 10</b>	250	45	8	55	50	490	1	

**152**

**HIGH-SPEED PIPE WRENCH with screw adjuster**

- Powder-coated blue hammer finish
- Forged components
- Induction-rehardened serrated faces
- Quick and easy setting with screw adjuster - single-hand adjustment
- Gripping faces selfinhibiting
- SB = self-service pack



Code	No.	L	L'	mm	"inch	Pipes	Sockets	mm	mm
6419280	<b>152 7</b>	178	7	35	1.3/8	1"	3/4"	295	1
6419360	<b>152 9</b>	228	9	42	1.5/8	1.1/4"	1"	515	1
6419440	<b>152 11</b>	281	11	61	2.3/8	2"	1.3/4"	815	1
6419520	<b>152 12</b>	315	12	74	3	2.1/2"	2"	1000	1
6419600	<b>152 14</b>	360	14	90	3.9/16	3"	-	1600	1
1700057	<b>SB 152 7</b>	178	7	35	1.3/8	1"	3/4"	305	1
1700065	<b>SB 152 9</b>	228	9	42	1.5/8	1.1/4"	1"	525	1

**152 NI**

**HIGH-SPEED PIPE WRENCH NICKEL-PLATED with screw adjuster**

- Nickel-plated
- Single-hand adjustment
- Gripping faces selfinhibiting
- SB = self-service pack



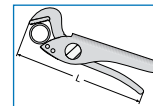
Code	No.	L	L'	mm	"inch	Pipes	Sockets	mm	mm
1826700	<b>152 9 NI</b>	228	9	42	1.5/8	1.1/4"	1"	520	1
1826727	<b>152 12 NI</b>	315	12	74	3	2.1/2"	2"	1000	1



**152 G**

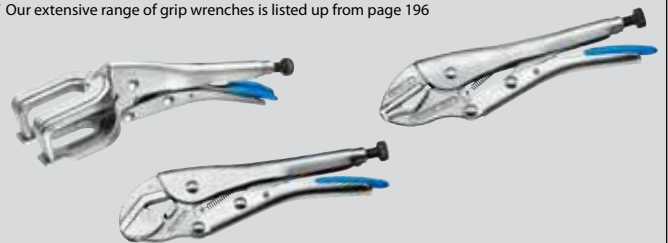
**HIGH-SPEED PIPE WRENCH curved, with screw adjuster**

- Powder-coated blue hammer finish
- Forged components
- Induction-rehardened serrated faces
- Quick and easy setting with screw adjuster - single-hand adjustment
- Gripping faces selfinhibiting
- SB = self-service pack



Code	No.	L	L'	mm	"inch	Pipes	Sockets	mm	mm
1394835	<b>152 G-7</b>	175	7	35	1.3/8	1"	3/4"	250	1
1394843	<b>152 G-9</b>	225	9	42	1.5/8	1.1/4"	1"	520	1
1394851	<b>152 G-12</b>	300	12	74	3	2"	2"	900	1
1700537	<b>SB 152 G-7</b>	175	7	35	1.3/8	1"	3/4"	260	1
1700545	<b>SB 152 G-9</b>	225	9	42	1.5/8	1.1/4"	1"	530	1

➤ Our extensive range of grip wrenches is listed up from page 196





## PIPE CUTTERS

### 210

#### LINK PIPE CUTTER for steel and SML pipes

- Low space requirements
- Can be shortened or extended
- Cutting wheel for cast iron pipes no. 211200 can be used



Code	No.	up to Ø mm	Cutting wheels		
4536170	<b>210010</b>	100	3	4.9	1
4550910	<b>210012</b>	125	4	5.3	1
4536250	<b>210015</b>	150	5	5.7	1
4551050	<b>210017</b>	175	6	6.1	1
4536330	<b>210020</b>	200	7	6.5	1
4551130	<b>210025</b>	250	9	7.3	1
4551210	<b>210030</b>	300	11	8.1	1

### 211

#### LINK PIPE CUTTER for cast iron pipes

- Low space requirements
- Can be shortened or extended
- Cutting wheel for steel pipes no. 210200 can be used



Code	No.	up to Ø mm	Cutting wheels		
4536760	<b>211010</b>	100	3	4.9	1
4551560	<b>211012</b>	125	4	5.3	1
4546990	<b>211015</b>	150	5	5.7	1
4551720	<b>211017</b>	175	6	6.1	1
4536840	<b>211020</b>	200	7	6.5	1
4551800	<b>211025</b>	250	9	7.3	1
4551990	<b>211030</b>	300	11	8.1	1

### E 210-211

#### SPARE PARTS

Code	No.	l x mm x h		
4536410	<b>210200</b>	50 x 11 x 11	80	1
	Cutting wheel for steel			
4536920	<b>211200</b>	50 x 11 x 11	88	1
	Cutting wheel for cast iron			
4551480	<b>210500</b>		290	1
	Spare link			
4536680	<b>210600</b>		27	1
	Spare bolt			

### 220

#### PIPE CUTTER TUBEX® for steel pipes

- Heavy-duty pipe cutter with 1 cutting wheel
- Frame in malleable cast steel, size 1.1/4" forged
- Cutting wheels for cast iron pipes and niro pipes can be used (sizes 2" and 4")



Code	No.	Size	Ø mm	l x mm x h		
4503320	<b>220012</b>	1/8-1.1/4"	10-42	275	1.3	1
4503400	<b>220020</b>	1/8-2"	10-60	380	2.9	1
4503590	<b>220040</b>	1.1/4-4"	42-114	520	5.0	1

### 221

#### PIPE CUTTER TUBEX® for cast iron pipes

- Heavy-duty pipe cutter with 1 cutting wheel
- Frame in malleable cast steel
- Cutting wheels for steel pipes and niro pipes can be used



Code	No.	Size	Ø mm	l x mm x h		
4624380	<b>221020</b>	1/8-2"	10-60	380	2.9	1
4552880	<b>221040</b>	1.1/4-4"	42-114	520	5.0	1

### 222

#### PIPE CUTTER TUBEX® for steel 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°
- Frame in malleable cast steel, size 1.1/4" forged
- Cutting wheels for cast iron pipes and niro pipes can be used (sizes 2" and 4")



Code	No.	Size	Ø mm	l x mm x h		
4553260	<b>222012</b>	1/8-1.1/4"	10-42	275	1.2	1
4537060	<b>222020</b>	1/8-2"	10-60	380	2.7	1
4553420	<b>222040</b>	1.1/4-4"	42-114	520	4.8	1

### 223

#### PIPE CUTTER TUBEX® for 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°
- Frame in malleable cast steel
- Cutting wheels for steel pipes and niro pipes can be used



Code	No.	Size	Ø mm	l x mm x h		
4625190	<b>223020</b>	1/8-2"	10-60	380	2.7	1
4721070	<b>223040</b>	1.1/4-4"	42-114	520	4.8	1

### E 220-223

#### SPARE PARTS

Code	No.	l x mm x h		
4503670	<b>220212</b>	25 x 14 x 7.5	13	1
	Cutting wheel for steel 1/8-1.1/4"			
4503750	<b>220220</b>	32 x 19 x 9.0	28	1
	Cutting wheel for steel 1/8-2"			
1524038	<b>220221</b>	32 x 19 x 9.0	28	1
	Cutting wheel for niro 1/8-2"			
4503830	<b>220240</b>	41 x 19 x 9.0	38	1
	Cutting wheel for steel 1.1/4-4"			
1516884	<b>220241</b>		40	1
	Cutting wheel for niro 1.1/4-4"			
4552960	<b>221220</b>	32 x 19 x 9.0	40	1
	Cutting wheel for cast iron 1/8-2"			
4553180	<b>221240</b>	41 x 19 x 9.0	64	1
	Cutting wheel for cast iron 1.1/4-4"			
4552020	<b>220512</b>		40	1
	Pressure roller 1/8-1.1/4"			
4552100	<b>220520</b>		117	1
	Pressure roller 1/8-2"			
4552290	<b>220540</b>		108	1
	Pressure roller 1.1/4-4"			
4552370	<b>220612</b>		8	1
	Wheel and pressure roller bolt 1/8-1.1/4"			
4552450	<b>220620</b>		15	1
	Wheel bolt 1/8-2"			
4552530	<b>220640</b>		19	1
	Wheel and pressure roller bolt 1.1/4-4"			
4552610	<b>220720</b>		23	1
	Pressure roller bolt 1/8-2" for 220+221			





**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 wheels with extremely long service life
- ▶ No. 218030 with quick-release



Code	No.	Ø mm	l-mm	W	H
1949748	<b>218010</b>	4-32	140	300	1
1949764	<b>218020</b>	5-45	170	390	1
1949772	<b>218030</b>	16-60	225	990	1

**E 218**

**SPARE PARTS**

Code	No.	Description	Measures	W	H
1949780	<b>218210</b>	Cutting wheel for 218010+020	22.0 x 7.9 x 5	5	1
1949799	<b>218230</b>	Cutting wheel for 218030	27.5 x 7.9 x 5	7	1
1974114	<b>218310</b>	Needle bearing for cutting wheel 218		1	1
1974041	<b>218510</b>	Pressure roller for 218010		3	1
1974068	<b>218520</b>	Pressure roller for 218020		5	1
1974076	<b>218530</b>	Pressure roller small for 218030		8	1
1974084	<b>218531</b>	Pressure roller big for 218030		8	1
1974025	<b>218610</b>	Spare bolt for 218010+020		3	1
1974033	<b>218630</b>	Spare bolt for 218030		5	1
1974092	<b>218710</b>	Pressure roller for 218010+020		5	1
1974106	<b>218730</b>	Pressure roller bolt for 218030		8	1



**224**

**RATCHET PIPE CUTTER NIRO for stainless steel pipes**

- ▶ Low space requirements
- ▶ Body in zinc-plated pressure-cast aluminium
- ▶ With automatic infeed of the cutting wheel with every rotation
- ▶ Cutting wheel with high service life
- ▶ Spare cutting wheel included



Code	No.	Ø mm	l-mm	W	H
1600877	<b>224011</b>	16-35	260	930	1
	Ratchet pipe cutter niro size 1				
1600885	<b>224021</b>	35-66	360	1710	1
	Ratchet pipe cutter niro size 2				
1621440	<b>224211</b>	26 x 6.3 x 4.8		7	1
	Cutting wheel size 1 + 2				
1621459	<b>224611</b>			3	1
	Wheel bolt size 1 + 2				

**225**

**PIPE CUTTER for copper pipes**

- ▶ Special compact design
- ▶ Body in pressure-cast aluminium
- ▶ With retractable deburring tool, spare cutting wheel in handle



Code	No.	Ø mm	l-mm	W	H
1460412	<b>225010</b>	3-35	185	435	1

**225**

**PIPE CUTTER NIRO for stainless steel pipes**

- ▶ Special compact design
- ▶ Body in pressure-cast aluminium
- ▶ With retractable deburring tool, spare cutting wheel in handle
- ▶ Cutting wheel with high service life



Code	No.	Ø mm	l-mm	W	H
1568418	<b>225011</b>	3-35	185	435	1

**E 225**

**SPARE PARTS**

Code	No.	l-mm	W	H
1467824	<b>225210</b>	19.5 x 4.8 x 5	5	1
	Cutting wheel			
1154710	<b>230411</b>	20 x 4.8 x 5.1	5	1
	Cutting wheel for stainless steel			
1467832	<b>225510</b>		40	1
	Pressure roller			
1467840	<b>225610</b>		3	1
	Wheel bolt			
1467859	<b>225710</b>		3	1
	Pressure roller bolt			

**2261**

**SHEARS SET for plastic pipes**

- ▶ To cut plastic pipes
- ▶ Also suitable for rubber hoses as well as various plastic profiled sections
- ▶ 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



Code	No.	W	H
1637983	<b>226100</b>	1.1	1



E 2261					
PARTS					
Code	No.				
1637975	<b>226000</b>		320		1
	Shears for plastic pipes				
1637991	<b>226001</b>		36		1
	Prism block 90°				
1638009	<b>226002</b>		29		1
	Form block 16 + 19 mm				
1638017	<b>226003</b>		31		1
	Form block 25 mm				
1638025	<b>226004</b>		69		1
	Angle support				
1680137	<b>226005</b>		50		1
	Spare knife				
1680145	<b>226006</b>		50		1
	Standard support				
1637967	<b>226090</b>		570		1
	Plastic case for 226100				

2265					
PIPE CUTTER for plastic pipes					
<ul style="list-style-type: none"> <li>Cutting knife driven via ratchet feed</li> <li>Up to 35 mm Ø</li> <li>Body in pressure-cast aluminium</li> </ul>					
Code	No.				
1220470	<b>226535</b>		195	680	1
	Pipe cutter for plastic pipes				
1231162	<b>226635</b>			30	1
	Spare knife				

2268					
PIPE SHEARS for plastic pipes					
<ul style="list-style-type: none"> <li>Smooth and accurate cutting, one hand operation</li> <li>Suitable to cut plastic pipes PE, PP, PVC, PVDF, PB and VPE</li> <li>Also suitable for rubber hoses</li> <li>Body from aluminium</li> </ul>					
Code	No.	up to Ø mm			
1746073	<b>226842</b>	42		440	1
1952684	<b>226863</b>	63		650	1

E 2268					
SPARE PARTS					
Code	No.				
1952692	<b>226942</b>		80		1
	Spare knife for 226842				
1952706	<b>226963</b>		150		1
	Spare knife for 226863				

227					
PIPE CUTTER for plastic pipes					
<ul style="list-style-type: none"> <li>With high-speed adjustment feature</li> <li>Frame in light-alloy</li> <li>No. 227020: With fold-out deburring knife and spare cutting wheel in the handle</li> <li>Cutting wheels for copper pipes can be used</li> </ul>					
Code	No.	Ø mm	l-mm		
4629260	<b>227020</b>	6-50	175	375	1
4629180	<b>227055</b>	50-140	350	1345	1

228					
PIPE CUTTER for copper pipes					
<ul style="list-style-type: none"> <li>With high-speed adjustment feature</li> <li>Frame in light-alloy</li> <li>No. 228020: With fold-out deburring knife and spare cutting wheel in the handle</li> <li>Cutting wheels for plastic pipes can be used</li> </ul>					
Code	No.	Ø mm	l-mm		
4629770	<b>228020</b>	6-50	175	375	1
4629930	<b>228055</b>	50-140	350	1345	1

E 227 - E 228					
SPARE PARTS					
Code	No.	for No.	l-mm		
4629420	<b>227220</b>	-020	22 x 6.1 x 4.9	5	1
	Cutting wheel for plastic				
4629690	<b>227255</b>	-055	53 x 11 x 8	20	1
	Cutting wheel for plastic				
4630000	<b>228220</b>	-020	18 x 6.1 x 4.9	4	1
	Cutting wheel for copper				
4630190	<b>228230</b>	-055	23 x 11 x 8	11	1
	Cutting wheel for copper				
1467867	<b>227520</b>	-020		10	1
	Pressure roller for 227 + 228				
1467883	<b>227555</b>	-055		40	1
	Pressure roller for 227 + 228				
4632130	<b>227620</b>	-020		3	1
	Wheel bolt for 227 + 228				
4632210	<b>227630</b>	-055		10	1
	Wheel bolt for 227 + 228				
1467905	<b>227720</b>	-020		3	1
	Pressure roller bolt for 227+228				
1467921	<b>227755</b>	-055		5	1
	Pressure roller bolt for 227+228				

229					
PIPE CUTTER for copper pipes					
<ul style="list-style-type: none"> <li>Body in pressure-cast zinc</li> <li>With mill in handle</li> </ul>					
Code	No.	Ø mm	l-mm		
4503910	<b>229010</b>	3-35	185	470	1

E 229					
SPARE PARTS					
Code	No.	l-mm			
4504640	<b>230210</b>	20 x 4.8 x 5.1		5	1
	Cutting wheel				
1154400	<b>230511</b>			4	1
	Pressure roller				
4537220	<b>229610</b>			3	1
	Wheel bolt				
1467948	<b>230710</b>			3	1
	Pressure roller bolt				

2300					
PIPE CUTTER QUICK AUTOMATIC					
<ul style="list-style-type: none"> <li>Suitable for various materials</li> <li>Body in pressure-cast zinc</li> <li>Automatic infeed by plate springs</li> <li>Fold-out deburring knife, with spare cutting wheel</li> </ul>					
Code	No.	Size	Ø mm	l-mm	
4504050	<b>230010</b>	1	4-32	165	435
4504130	<b>230020</b>	2	13-65	275	1460



**2303**

**PIPE CUTTER QUICK AUTOMATIC NIRO for stainless steel pipes**

- Body in pressure-cast zinc
- Automatic infeed by plate springs
- Cutting wheel with high service life



Code	No.	Size	Ø mm	↳ mm	↳ mm	↳ mm
1154990	<b>230311</b>	1	4-32	165	430	1
1154850	<b>230321</b>	2	13-65	275	1420	1

**E 2300 - E 2303**

**SPARE PARTS**

Code	No.	for size	↳ mm	↳ mm	↳ mm	↳ mm
4504640	<b>230210</b>	1	20 x 4.8 x 5.1	5	1	
	Cutting wheel					
4504800	<b>230220</b>	2	32 x 9.9 x 6.1	18	1	
	Cutting wheel					
1154710	<b>230411</b>	1	20 x 4.8 x 5.1	5	1	
	Cutting wheel for stainless steel					
1154680	<b>230421</b>	2	32 x 9.9 x 6.1	18	1	
	Cutting wheel					
1154400	<b>230511</b>	1		4	1	
	Pressure roller					
1154370	<b>230521</b>	2		30	1	
	Pressure roller					
1154656	<b>230611</b>	1		3	1	
	Wheel bolt					
1154540	<b>230621</b>	2		3	1	
	Wheel bolt					
1467948	<b>230710</b>	1		3	1	
	Pressure roller bolt					
1467956	<b>230720</b>	2		3	1	
	Pressure roller bolt					

**231**

**PIPE CUTTER MINI-QUICK**

- Particularly suitable for barely-accessible places
- Body in pressure-cast zinc



Code	No.	Ø mm	↳ mm	↳ mm	↳ mm
4504560	<b>231000</b>	4-16	50	125	1

**E 231**

**SPARE PARTS**

Code	No.	↳ mm	↳ mm	↳ mm	↳ mm
4504640	<b>230210</b>	20 x 4.8 x 5.1	5	1	
	Cutting wheel				
1154710	<b>230411</b>	20 x 4.8 x 5.1	5	1	
	Cutting wheel for stainless steel				
1467964	<b>231510</b>		2	1	
	Pressure roller				
1154656	<b>230611</b>		3	1	
	Wheel bolt				
1467972	<b>231710</b>		1	1	
	Pressure roller bolt				

**2320**

**PIPE DEBURRING REAMER**

- For internal and external deburring of thin-walled pipes
- Plastic body



Code	No.	Ø mm	↳ mm	↳ mm	↳ mm
1439510	<b>232001</b>	4-32	45	30	1

**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



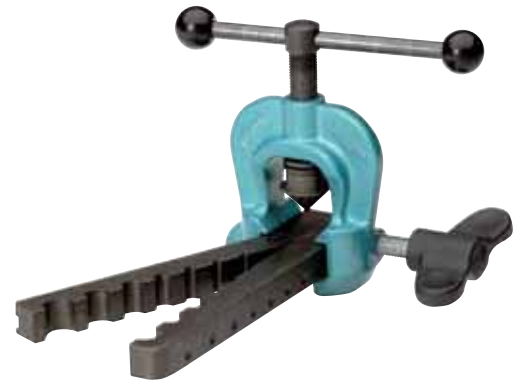
Code	No.	Ø mm	↳ mm	↳ mm	↳ mm
1419684	<b>232500</b>	10-56	85	420	1
1857681	<b>232501</b>	8-35	60	180	1

**FLARING TOOLS**

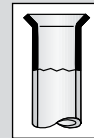
**2330**

**FLARING TOOL BOERDEX®**

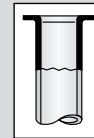
- For flaring copper and light-alloy pipes, brass and soft steel pipes
- Body in pressure-cast zinc, clamping jaws made from steel
- Opening angle 90° = 45° angled from pipe



Code	No.	External pipe Ø mm / Ø inch	↳ mm	↳ mm
4537300	<b>233001</b>	4 4,75 6 8 10 12 14	1.4	1
4554660	<b>233007</b>	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4"	1.5	1
1919725	<b>233009</b>	15 16 17 18 19	1.4	1



90°



180°

with cone 233200

**2333**

**FLARING TOOL SET BOERDEX®**

- For flaring copper and light-alloy pipes, brass and soft steel pipes
- Body in pressure-cast zinc, clamping jaws made from steel
- Opening angle 90° = 45° angled from pipe
- With additional pipe cutter no. 230010 and cone for 180° flaring no. 233200
- Delivery in sheet steel case no. 233909



Code	No.	External pipe Ø mm / Ø inch	↳ mm	↳ mm
4555550	<b>233301</b>	4 4,75 6 8 10 12 14	2.9	1
4556280	<b>233307</b>	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4"	3.0	1
1919733	<b>233309</b>	15 16 17 18 19	2.9	1





### E 233

#### PARTS



Code	No.	62	61
4554150	<b>233000</b> Flaring tool boerdex size 1	660	1
4554740	<b>233057</b> Flaring tool boerdex size 7+9	620	1
4554820	<b>233101</b> Clamping jaw size 1: 4-14 mm	620	1
4555470	<b>233107</b> Clamping jaw size 7: 3/16-3/4"	680	1
1885162	<b>233109</b> Clamping jaw size 9: 15-19 mm	620	1
4505450	<b>233200</b> Cone for 180° flaring (= 90° angled from pipe)	15	1
4504050	<b>230010</b> Pipe cutter QUICK AUTOMATIC 4-32 mm Ø	435	1
4556360	<b>233909</b> Sheet steel case	1040	1

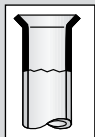
### 234

#### DOUBLE FLARING TOOL SET

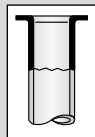
- For brake lines, coolant lines, hydraulic and pneumatic pipes with a wall thickness of 0.7 to 1.0 mm
- Body in tempered cast iron GTW 40, clamping jaws made from steel
- Complete set for metric and/or inch pipes
- Delivery in sheet steel case no. 234901



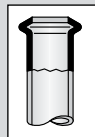
Code	No.	62	61
4505530	<b>234001</b> <b>for metric pipes</b> 1 basic frame No. 234000 1 clamping jaw metric No. 234101 6 cones 4,75-10 mm No. 234204-234210 1 cone 90° for flare types D+E, No. 234790 1 cone metric, 180°, for flare types E+F, No. 234801 1 miniature pipe cutter 4-16 mm No. 231000 1 pipe deburring reamer 4-32 mm No. 232001 1 sheet steel case No. 234901	3.0	1
4537570	<b>234002</b> <b>for inch pipes</b> 1 basic frame No. 234000 1 clamping jaw inch No. 234102 4 cones 3/16-3/8" No. 234303-234306 1 cone 90° for flare types D+E, No. 234790 1 cone inch, 180°, for flare types E+F, No. 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	3.0	1
4662980	<b>234013</b> <b>for metric + inch pipes</b> 1 basic frame No. 234000 1 clamping jaw metric No. 234101 1 clamping jaw inch No. 234102 6 cones 4,75-10 mm No. 234204-234210 4 cones 3/16-3/8" No. 234303-234306 1 cone 90° for flare types D+E, No. 234790 1 cone metric, 180°, for flare types E+F, No. 234801 1 cone inch, 180°, for flare types E+F, No. 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	4.2	1



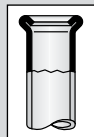
Flare D 90°



180°



Flare F Open

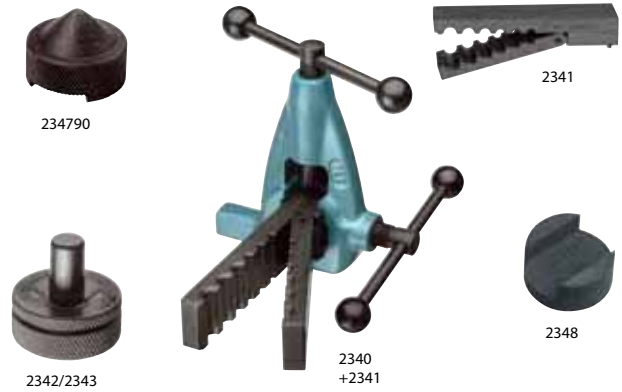


Flare E double

### E 234

#### PARTS

- No. 234204-234210 and no. 234303-234306 for flares type E+F DIN 74234



Code	No.	62	61
4556440	<b>234000</b> Basic frame	880	1
4556520	<b>234101</b> Clamping jaw metric	760	1
4556600	<b>234102</b> Clamping jaw inch	760	1
4556790	<b>234204</b> Cone 4,75 mm	18	1
4556870	<b>234205</b> Cone 5 mm	18	1
4556950	<b>234206</b> Cone 6 mm	18	1
4557090	<b>234208</b> Cone 8 mm	18	1
4557170	<b>234209</b> Cone 9 mm	18	1
4557250	<b>234210</b> Cone 10 mm	18	1
4557330	<b>234303</b> Cone 3/16"	18	1
4557410	<b>234304</b> Cone 1/4"	18	1
4557680	<b>234305</b> Cone 5/16"	18	1
4557760	<b>234306</b> Cone 3/8"	18	1
4557840	<b>234790</b> Cone 90° for flare types D+E	16	1
4557920	<b>234801</b> Cone (adjustment gauge), metric, 180°, for flare types E+F	11	1
4558060	<b>234802</b> Cone (adjustment gauge), inch, 180°, for flare types E+F	11	1
4504560	<b>231000</b> Pipe cutter MINI-QUICK, 4-16 mm	125	1
1439510	<b>232001</b> Pipe deburring reamer	30	1
4558140	<b>234901</b> Sheet steel case	1040	1

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### CALIBRATING TOOLS

#### 239

#### CALIBRATING TOOL

- For exact calibrating of tube ends
- For semi-hard and soft copper pipes



Code	No.	Ø mm	62	61
4506260	<b>239010</b>	10 x 1	62	1
4506340	<b>239012</b>	12 x 1	67	1
4506420	<b>239015</b>	15 x 1	138	1
4506500	<b>239018</b>	18 x 1	179	1
4506690	<b>239022</b>	22 x 1	270	1
4506770	<b>239028</b>	28 x 1,5	485	1



**PIPE BENDING SYSTEMS**

For further detailed technical information about pipe benders see page 381-383



**PIPE BENDER**

**240**

**PIPE BENDER SET**

- ✔ For pipes from 12 to 22 mm Ø, bends up to 180°
- ✔ With slide rail for semi-hard or soft copper pipes DIN EN 1057, uncoated or coated soft steel pipes, as well as aluminium and brass pipes
- ✔ With roller for coated copper pipes, uncoated or coated soft steel pipes, as well as aluminium and brass pipes
- ✔ Designed for vice clamping
- ✔ In assembly case no. 240090



Code	No.	17.9
4537730	<b>240001</b> 1 ea. pipe bender with counter-support No. 240212, 12 mm Ø No. 240215, 15 mm Ø No. 240218, 18 mm Ø No. 240222, 22 mm Ø 1 ea. bending lever with slide rail No. 240162, 12 mm Ø No. 240165, 15 mm Ø No. 240168, 18 mm Ø No. 240172, 22 mm Ø 1 hand lever, 12-22 mm Ø No. 240318 1 pipe cutter 4-35 mm No. 922910 1 pipe deburring reamer 4-32 mm No. 232001 1 assembly case No. 240090	17.9
4632800	<b>240501</b> 1 ea. pipe bender with counter-support No. 240212, 12 mm Ø No. 240215, 15 mm Ø No. 240218, 18 mm Ø No. 240222, 22 mm Ø 1 ea. bending lever with roller No. 240662, 12 mm Ø No. 240665, 15 mm Ø No. 240668, 18 mm Ø No. 240672, 22 mm Ø 1 hand lever, 12-22 mm Ø No. 240318 1 pipe cutter 4-35 mm No. 922910 1 pipe deburring reamer 4-32 mm No. 232001 1 assembly case No. 240090	17.9
4562250	<b>240090</b> Assembly case, empty	4.6

**2400**

**PIPE BENDER with slide rail**

- ✔ For pipes from 12 to 22 mm Ø, bends up to 180°
- ✔ With slide rail for semi-hard or soft copper pipes DIN EN 1057, uncoated or coated soft steel pipes, as well as aluminium and brass pipes
- ✔ Designed for use with a vice



Code	No.	Ø mm	r = mm	1.7	1	E
2001284	<b>240010</b>	10	45	1.7	1	E
4561790	<b>240012</b>	12	45	1.7	1	
4561870	<b>240014</b>	14	65	2.0	1	
4561950	<b>240015</b>	15	65	2.1	1	
4562090	<b>240016</b>	16	65	3.6	1	
4562170	<b>240018</b>	18	80	3.5	1	
4632560	<b>240020</b>	20	80	3.4	1	
4537810	<b>240022</b>	22	80	4.4	1	

**2405**

**PIPE BENDER with roller**

- ✔ For pipes from 12 to 22 mm Ø, bends up to 180°
- ✔ With roll cart for coated copper pipes, uncoated or coated soft steel pipes, as well as aluminium and brass pipes
- ✔ Designed for use with a vice



Code	No.	Ø mm	r = mm	1.7	1	E
2001292	<b>240510</b>	10	45	1.7	1	E
4633020	<b>240512</b>	12	45	1.7	1	
4633100	<b>240514</b>	14	65	2.0	1	
4633290	<b>240515</b>	15	65	2.1	1	
4633370	<b>240516</b>	16	65	3.6	1	
4633450	<b>240518</b>	18	80	3.5	1	
4633530	<b>240520</b>	20	80	3.4	1	
4633610	<b>240522</b>	22	80	4.4	1	

**E 2402**

**BENDING FORMER with counter-support**



Code	No.	Ø mm	r = mm	0.7	1	E
2001306	<b>240210</b>	10	45	0.7	1	E
4563060	<b>240212</b>	12	45	0.7	1	
4563140	<b>240214</b>	14	65	1.0	1	
4563220	<b>240215</b>	15	65	0.9	1	
4563300	<b>240216</b>	16	65	1.8	1	
4563490	<b>240218</b>	18	80	1.8	1	
4632720	<b>240220</b>	20	80	1.7	1	
4563570	<b>240222</b>	22	80	2.8	1	

Deviant packing units see article description.





### E 2401

#### BENDING LEVER with slide rail



Code	No.	Ø mm	r = mm			
2001314	<b>240110</b>	10	45	1.0	1	
4562330	<b>240112</b>	12	45	1.0	1	
4562410	<b>240114</b>	14	65	1.1	1	
4562680	<b>240115</b>	15	65	1.1	1	
4562760	<b>240116</b>	16	65	1.7	1	
4562840	<b>240118</b>	18	80	1.7	1	
4632640	<b>240120</b>	20	80	1.7	1	
4562920	<b>240122</b>	22	80	2.2	1	

### E 2406

#### BENDING LEVER with roller



Code	No.	Ø mm	r = mm			
2001322	<b>240610</b>	10	45	1.0	1	
4633880	<b>240612</b>	12	45	1.0	1	
4633960	<b>240614</b>	14	65	1.1	1	
4634180	<b>240615</b>	15	65	1.1	1	
4634260	<b>240616</b>	16	65	1.7	1	
4634340	<b>240618</b>	18	80	1.7	1	
4634420	<b>240620</b>	20	80	1.7	1	
4634500	<b>240622</b>	22	80	2.2	1	

### E 2401

#### BENDING FORK with slide rail

Without hand lever



Code	No.	Ø mm	r = mm			
2001330	<b>240160</b>	10	45	0.4	1	
1595490	<b>240162</b>	12	45	0.4	1	
1745425	<b>240164</b>	14	65	0.9	1	
1262424	<b>240165</b>	15	65	0.9	1	
1745433	<b>240166</b>	16	65	0.9	1	
1745441	<b>240168</b>	18	80	1.4	1	
1745468	<b>240170</b>	20	80	1.4	1	
1745476	<b>240172</b>	22	80	1.4	1	



Deviant packing units see article description.

### E 2406

#### BENDING FORK with roller

Without hand lever



Code	No.	Ø mm	r = mm			
2001349	<b>240660</b>	10	45	0.4	1	
1745484	<b>240662</b>	12	45	0.4	1	
1745492	<b>240664</b>	14	65	0.9	1	
1745506	<b>240665</b>	15	65	0.9	1	
1745514	<b>240666</b>	16	65	0.9	1	
1745522	<b>240668</b>	18	80	1.4	1	
1745530	<b>240670</b>	20	80	1.4	1	
1745549	<b>240672</b>	22	80	1.4	1	

### E 2403

#### HAND LEVER



Code	No.	for Ø mm		
4563730	<b>240318</b>	12-22	770	1

## PIPE BENDING PLIERS

### 2410

#### PIPE BENDING PLIERS

- From 4.75 to 12 mm Ø, bends up to 180°
- For copper pipes DIN EN 1057 and all non-ferrous metal pipes
- Thin-walled precision steel pipes and brake lines



Code	No.	Ø mm	r = mm	± mm		
4564460	<b>241005</b>	4,75-5,0	18	255	525	1
4564540	<b>241006</b>	6,0	18	275	520	1
4564620	<b>241008</b>	8,0	28	340	780	1
4564700	<b>241010</b>	10,0	28	400	1110	1
4634690	<b>241012</b>	12,0	35	400	1800	1

### 2415

#### PIPE BENDING PLIERS

- With bending formers for sizes 3/16" to 1/4" Ø (4,75 - 6 mm Ø) and 8 to 10 mm Ø bends up to 90°
- For copper pipes DIN EN 1057 and all non-ferrous metal pipes
- Thin-walled precision steel pipes and brake lines



Code	No.	Ø mm	± mm		
1442007	<b>241500</b>	4,75-10,0	260	530	1



**E 2415**

**SPARE BENDING FORMER**



Code	No.	Ø mm	Ø inch	r = mm	± mm	⊞
1442910	<b>241506</b>	4,75-6,0	3/16-1/4	15	40	1
1442929	<b>241510</b>	8,0-10,0		15	40	1

**2420**

**PIPE BENDING PLIERS with slide rail**

- ✔ From 10 to 22 mm Ø, bends up to 90°
- ✔ For soft copper pipes DIN EN 1057



Code	No.	Ø mm	r = mm	± mm	± mm	⊞
1461516	<b>242010</b>	10,0	30	420	1.4	1
1461524	<b>242012</b>	12,0	30	420	1.4	1
1461532	<b>242014</b>	14,0	45	560	2.1	1
1409417	<b>242015</b>	15,0	45	560	2.2	1
1461540	<b>242016</b>	16,0	60	560	2.2	1
1409433	<b>242018</b>	18,0	74	820	3.0	1
1461567	<b>242020</b>	20,0	75	820	3.7	1
1461575	<b>242022</b>	22,0	75	820	5.4	1



**2423**

**PIPE BENDING PLIERS with roller**

- ✔ From 10 to 22 mm Ø, bends up to 90°
- ✔ For bendable steel and stainless steel pipes (max. wall thickness 1.5 mm)
- ✔ Also available on request with chemical nickel-plating



Code	No.	Ø mm	r = mm	± mm	± mm	⊞
4564890	<b>242310</b>	10,0	43	420	1.4	1
4564970	<b>242312</b>	12,0	43	420	1.4	1
4565000	<b>242315</b>	15,0	60	560	2.1	1
4565190	<b>242318</b>	18,0	74	820	2.9	1
4538030	<b>242320</b>	20,0	86	820	3.6	1
4565270	<b>242322</b>	22,0	86	820	4.2	1

**2424**

**PIPE BENDING PLIERS with slide rail**

- ✔ From 10 to 22 mm Ø, bends up to 90°
- ✔ For bendable steel pipes (max. wall thickness 1.5 mm)
- ✔ Also available on request with chemical nickel-plating



Code	No.	Ø mm	r = mm	± mm	± mm	⊞
4565350	<b>242410</b>	10,0	43	420	1.4	1
4626670	<b>242412</b>	12,0	43	420	1.4	1
4565430	<b>242415</b>	15,0	60	560	2.1	1
4565510	<b>242418</b>	18,0	74	820	2.9	1
4565780	<b>242420</b>	20,0	86	820	3.6	1
4565860	<b>242422</b>	22,0	86	820	4.3	1

**2425**

**PIPE BENDING PLIERS HH with slide rail**

- ✔ From 10 to 22 mm Ø, bends up to 90°
- ✔ For semi-hard and soft copper pipes DIN EN 1057



Code	No.	Ø mm	r = mm	± mm	± mm	⊞
1224697	<b>242510</b>	10,0	43	420	1.4	1
1224689	<b>242512</b>	12,0	43	420	1.4	1
1224670	<b>242515</b>	15,0	60	560	2.0	1
1224050	<b>242518</b>	18,0	74	820	2.8	1
1223720	<b>242520</b>	20,0	86	820	3.6	1
1223690	<b>242522</b>	22,0	86	820	4.1	1





**MANUAL BENDING TOOLS**

**243**

**MANUAL BENDING TOOL SET**

- ▶ In different sizes up to 90° or 180°
- ▶ For soft copper pipes DIN EN 1057, heat insulated copper pipes, thin-walled precision steel pipes and other pipes in non-ferrous metals
- ▶ Use in a vice possible with bending former holder no. 243040
- ▶ Delivery in assembly case No. 243090
- ▶ Special sets may be assembled to order



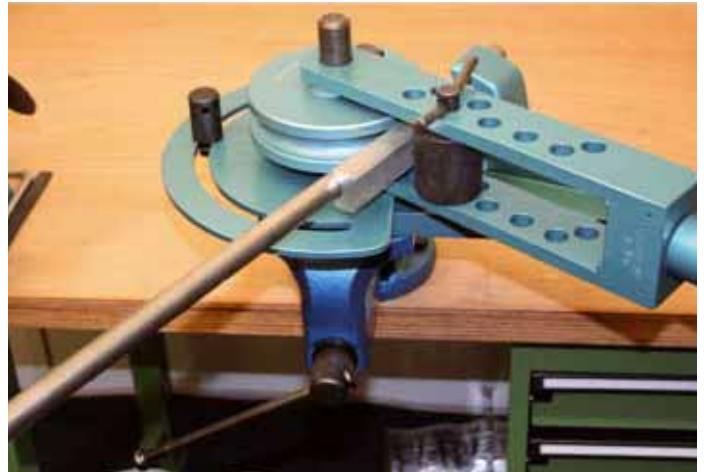
Code	No.	↕
4568450	<b>243100</b> 1 bending lever 90° No. 243010 1 hand lever 90° No. 243020 1 hand lever 180° No. 243030 1 bending former holder, stationary No. 243040 1 bending former 8 mm Ø No. 243051 1 bending former 10 mm Ø No. 243053 1 bending former 12 mm Ø No. 243055 1 bending former 14 mm Ø No. 243057 1 bending former 15 mm Ø No. 243058 1 pipe cutter 4-32 mm Ø No. 230010 1 sheet steel case No. 243090	8.7
4538380	<b>243200</b> 1 bending lever 90° No. 243010 1 hand lever 90° No. 243020 1 bending former 8 mm Ø No. 243051 1 bending former 10 mm Ø No. 243053 1 bending former 12 mm Ø No. 243055 1 bending former 15 mm Ø No. 243058 1 sheet steel case No. 243090	6.3
4568530	<b>243600</b> 1 bending lever 90° No. 243010 1 hand lever 90° No. 243020 1 hand lever 180° No. 243030 1 bending former holder, stationary No. 243040 1 bending former 5/16" Ø No. 243065 1 bending former 3/8" Ø No. 243066 1 bending former 7/16" Ø No. 243067 1 bending former 1/2" Ø No. 243068 1 bending former 5/8" Ø No. 243069 1 pipe cutter 4-32 mm Ø No. 230010 1 sheet steel case No. 243090	8.8
4568610	<b>243700</b> 1 bending lever 90° No. 243010 1 hand lever 90° No. 243020 1 bending former 5/16" Ø No. 243065 1 bending former 3/8" Ø No. 243066 1 bending former 1/2" Ø No. 243068 1 bending former 5/8" Ø No. 243069 1 sheet steel case No. 243090	6.3

**E 243**

**PARTS**



Code	No.	↕
4566320	<b>243010</b> Bending lever 90 degrees	980
4566400	<b>243020</b> Hand lever 90 degrees	580
4566590	<b>243030</b> Hand lever 180 degrees	520
4566670	<b>243040</b> Bending former holder, stationary	1020
4504050	<b>230010</b> Pipe cutter QUICK AUTOMATIC 4-32 mm Ø	435
4568370	<b>243090</b> Sheet steel case	3460



**E 243**

**BENDING FORMER**



Code	No.	Ø <sup>min</sup>	Ø mm	WICU*	r = mm	↕	☒
4566750	<b>243050</b>		6,0		28	225	1
4566830	<b>243051</b>		8,0		28	200	1
4566910	<b>243052</b>		9,0		28	210	1
4567050	<b>243053</b>		10,0	6	35	320	1
4567130	<b>243054</b>		11,0		35	325	1
4567210	<b>243055</b>		12,0	8	35	300	1
4567480	<b>243056</b>		13,0		45	520	1
4567560	<b>243057</b>		14,0	10	45	460	1
4567640	<b>243058</b>		15,0		45	420	1
4567720	<b>243059</b>		16,0	12	45	405	1
4567800	<b>243065</b>	5/16	7,9		28	220	1
4567990	<b>243066</b>	3/8	9,5		35	340	1
4568020	<b>243067</b>	7/16	11,1		35	315	1
4568100	<b>243068</b>	1/2	12,7		45	495	1
4568290	<b>243069</b>	5/8	15,9		45	410	1






**244**

**MANUAL BENDING TOOL SET**

- ✔ In different sizes up to 180°
- ✔ For copper pipes DIN EN 1057, heat insulated copper pipes, steel pipes and other pipes in non-ferrous metals, hydraulic pipes
- ✔ For use in a vice
- ✔ Power enhancing lever mechanism for easy operation
- ✔ Delivery in assembly case no. 244090
- ✔ Special sets may be assembled to order



Code	No.		
4571750	<b>244100</b> 1 basic tool body 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
4571830	<b>244200</b> 1 basic tool body No. 244070 1 bending lever No. 244080 4 bending formers for pipes with Ø 15, 18, 22, 28 mm 1 sheet steel case No. 244090		22.4
4573450	<b>244600</b> 1 basic tool body No. 244070 1 bending lever No. 244080 4 bending formers for pipes with Ø 5/8, 3/4, 7/8, 1" 1 pipe cutter 4-32 mm Ø No. 230010 1 sheet steel case No. 244090		22.8
4568880	<b>244010</b> 1 basic tool body No. 244070 1 bending lever No. 244080 1 sheet steel case No. 244090 without bending formers		14.3

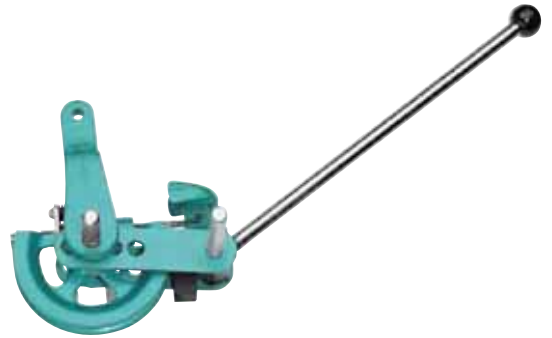
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**E 244**

**PARTS**





Code	No.			
4569930	<b>244070</b> Basic tool body		4.9	1
4571590	<b>244080</b> Bending lever		2.4	1
4504050	<b>230010</b> Pipe cutter QUICK AUTOMATIC 4-32 mm Ø		0.4	1
4571670	<b>244090</b> Sheet steel case		7.0	1

**E 244**

**BENDING FORMER with slide rail**





Code	No.	Ø"inch	Ø mm	r = mm		
4571910	<b>244210</b>		10,0	40	0.9	1
4572050	<b>244212</b>		12,0	40	0.9	1
4572210	<b>244214</b>		14,0	50	1.2	1
4572480	<b>244215</b>		15,0	50	1.1	1
4572560	<b>244216</b>		16,0	50	1.1	1
4572720	<b>244218</b>		18,0	65	1.5	1
4572800	<b>244220</b>		20,0	65	1.4	1
4572990	<b>244222</b>		22,0	85	2.3	1
4573100	<b>244225</b>		25,0	100	3.5	1
4573290	<b>244228</b>		28,0	100	3.2	1
4573370	<b>244230</b>		30,0	100	3.1	1
4568960	<b>244035</b>	5/8	15,9	50	1.1	1
4569180	<b>244036</b>	3/4	19,05	65	1.5	1
4569260	<b>244037</b>	7/8	22,2	85	2.1	1
4569340	<b>244038</b>	1	25,4	100	3.4	1

**2450**

**COPPER PIPE BENDING SPRING**

- ✔ From 6.5 to 16 mm
- ✔ For soft copper pipes DIN EN 1057



Code	No.	Ø mm	l-mm		
4573610	<b>245006</b>	6,5	250	55	5
4538460	<b>245008</b>	8,0	250	90	5
4538540	<b>245010</b>	10,0	275	110	5
4538620	<b>245012</b>	12,0	300	180	5
4538700	<b>245015</b>	15,0	300	200	5
4574180	<b>245016</b>	16,0	300	275	5

Deviant packing units see article description.



**2454****PIPE BENDER SET FOR COMPOSITE PIPES hydraulic**

- ▶ From 16 to 32 mm Ø, bends up to 90°
- ▶ For multi-layer composite pipes
- ▶ Hydraulic drive without great effort
- ▶ In plastic case no. 245490



Code	No.	
1443550	<b>245410</b> 1 basic tool, hydraulic no. 245670 4 bending formers with supports for pipes with Ø 16, 20, 26, 32 mm 1 plastic case no. 245490	7.3
1443348	<b>245400</b> 1 basic tool, hydraulic no. 245670 1 plastic case no. 245490 without bending formers and supports	4.1

**2456****PIPE BENDER SET hydraulic**

- ▶ From 10 to 22 mm Ø, bends up to 90°
- ▶ For soft copper pipes DIN EN 1057 to 22 mm, soft WICU® pipes, precision steel pipes up to 18 x 1.5 mm
- ▶ Mechanical ratchet feed
- ▶ In plastic case no. 245590



Code	No.	
4635230	<b>245610</b> 1 basic tool, hydraulic no. 245670 7 bending formers with supports for pipes with Ø 10, 12, 14, 15, 18, 20, 22 mm 1 plastic case no. 245590	6.2
4635150	<b>245600</b> 1 basic tool, hydraulic no. 245670 1 plastic case no. 245590 without bending formers and supports	4.1

**2455****PIPE BENDER SET MANUAL**

- ▶ From 10 to 22 mm Ø, bends up to 90°
- ▶ For soft copper pipes DIN EN 1057 to 22 mm and soft WICU® pipes
- ▶ Mechanical ratchet feed
- ▶ In plastic case no. 245590



Code	No.	
4634850	<b>245510</b> 1 basic tool, mechanical no. 245570 7 bending formers with supports for pipes with Ø 10, 12, 14, 15, 18, 20, 22 mm 1 plastic case no. 245590	5.0
4634770	<b>245500</b> 1 basic tool, mechanical no. 245570 1 plastic case no. 245590 without bending formers and supports	2.9

**2456****PIPE BENDER SET hydraulic, heavy-duty**

- ▶ From 6 to 22 mm Ø, bends up to 90°
- ▶ For soft copper pipes DIN EN 1057 to 22 mm, soft WICU® pipes, precision steel pipes up to 18 x 2 mm
- ▶ Annealed stainless steel pipes up to 18 x 1.2 mm
- ▶ Hydraulic drive without great effort
- ▶ In plastic case no. 245690



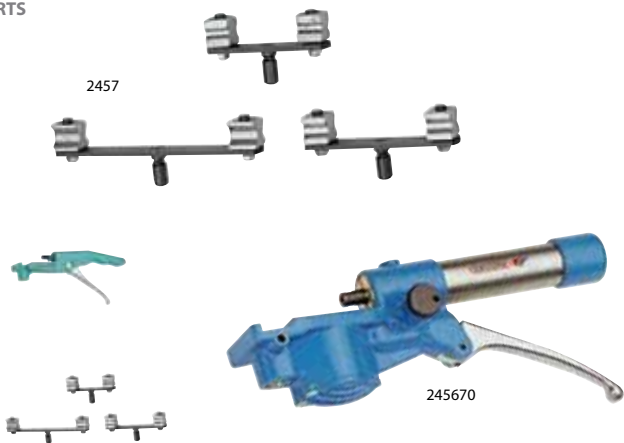
Code	No.	
1585495	<b>245611</b> 1 basic tool, hydraulic no. 245670 10 bending formers with supports for pipes with Ø 6, 8, 10, 12, 14, 15, 16, 18, 20, 22 mm 1 plastic case no. 245690	7.5





**E 245**

**PARTS**



Code	No.	Ø mm	mm	kg
4634930	<b>245570</b> Basic tool, mechanical		1150	1
4635310	<b>245670</b> Basic tool, hydraulic		2350	1
4635580	<b>245710</b> Counter-support size 1	5-12	380	1
4635660	<b>245720</b> Counter-support size 2	14-17	460	1
1585509	<b>245721</b> Counter-support size 2 reinforced		380	1
4635740	<b>245730</b> Counter-support size 3	18-24	460	1
1585517	<b>245731</b> Counter-support size 3 reinforced		480	1
1443356	<b>245740</b> Counter-support for composite pipes	16	340	1
1443364	<b>245750</b> Counter-support for composite pipes	20	440	1
1443372	<b>245760</b> Counter-support for composite pipes	26	480	1
1443380	<b>245770</b> Counter-support for composite pipes	32	840	1
1585533	<b>245902</b> Reinforcement for counter-support size 2		280	1
1585541	<b>245903</b> Reinforcement for counter-support size 3		320	1
1585525	<b>245910</b> Ring for reinforcement for counter-support		120	1
1443437	<b>245490</b> Plastic case empty for no. 2425		1700	1
4635070	<b>245590</b> Plastic case empty for no. 2455 + 2456		1700	1
1585568	<b>245690</b> Plastic case empty for no. 245611		1700	1

**E 245**

**BENDING FORMER**

► No. 245916-245932 for composite pipes



Code	No.	Ø mm	r = mm	mm	kg
4635820	<b>245805</b>	5	31	100	1
4635900	<b>245806</b>	6	31	100	1
4636040	<b>245808</b>	8	31	100	1
4636120	<b>245810</b>	10	31	100	1
4636200	<b>245812</b>	12	34	110	1
4636390	<b>245814</b>	14	41	120	1
4636470	<b>245815</b>	15	48	140	1
4636550	<b>245816</b>	16	49	150	1
4636630	<b>245817</b>	17	51	140	1
4636710	<b>245818</b>	18	72	190	1
4636980	<b>245820</b>	20	80	200	1
4637010	<b>245822</b>	22	88	200	1
4637280	<b>245824</b>	24	90	200	1
1443399	<b>245916</b>	16	49	140	1
1443402	<b>245920</b>	20	80	180	1
1443410	<b>245926</b>	26	93	240	1
1443429	<b>245932</b>	32	119	480	1

**PIPE BENDING MACHINES**

**246**

**PIPE BENDING MACHINE manual-hydraulic**

- From 12 to 28 mm Ø, bends up to 180°
- For semi-hard and soft copper pipes DIN EN 1057 up to 28 mm Ø, stainless steel pipes up to 22 x 1.5 mm, hydraulic and soft steel pipes up to 22 x 2 mm, gas and water pipes DIN 2440 3/8" up to 3/4", and composite pipes up to 26 mm Ø
- With installation tripod
- Delivery in assembly case



Code	No.	kg
4538890	<b>246100</b> 1 bending tool No. 246010 5 bending formers for pipes with Ø 12, 15, 18, 22, 28 mm	57.0
4574260	<b>246010</b> 1 basic tool without pump No. 246070 1 pump, 60 kN pressure, No. 246080 1 stand No. 268000	49.0

**E 246**

**PARTS**

Code	No.	mm	kg
4574340	<b>246070</b> Basic tool without hydraulic pump	15.5	1
4574420	<b>246080</b> Hydraulic pump 60 kN pressure	16.2	1
4599760	<b>268000</b> Installation tripod	6.2	1
4637360	<b>246003</b> Pressure roller, waisted pattern 3/8"-3/4"	0.3	1

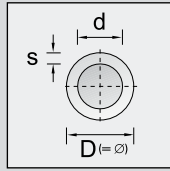
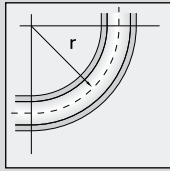
**E 246**

**BENDING FORMER**

- No. 246103-246107: AF sizes use with pressure roller no. 246003
- No. 246306-246328 with slide rail



Code	No.	Size	Ø mm	r = mm	mm	kg
4637440	<b>246103</b>	3/8	17,2	55	1.2	1
4637520	<b>246105</b>	1/2	21,3	65	1.7	1
4637600	<b>246107</b>	3/4	26,9	85	3.6	1
4637870	<b>246306</b>		6,0	35	0.6	1
4637950	<b>246308</b>		8,0	35	0.5	1
4638090	<b>246310</b>		10,0	45	0.5	1
4575070	<b>246312</b>		12,0	45	0.5	1
4575150	<b>246314</b>		14,0	55	0.9	1
4575230	<b>246315</b>		15,0	55	0.9	1
4575310	<b>246316</b>		16,0	75	1.1	1
4575580	<b>246317</b>		17,0	75	1.1	1
4575660	<b>246318</b>		18,0	75	1.4	1
4575740	<b>246320</b>		20,0	75	1.8	1
4575820	<b>246322</b>		22,0	85	2.0	1
4638170	<b>246324</b>		24,0	85	3.1	1
4575900	<b>246325</b>		25,0	85	3.1	1
4638250	<b>246326</b>		26,0	85	4.0	1
4576040	<b>246328</b>		28,0	112	4.0	1



▼ Electric extension cables - see page 365



**249**

**PIPE BENDING MACHINE manual-hydraulic**

- ▼ For sizes up to 54 mm Ø, bends up to 90°
- ▼ For copper pipes, precision steel and hydraulic pipes, uncoated and coated pipes, composite pipes, electrical installation pipes etc.
- ▼ With installation tripod
- ▼ Delivery in assembly case



Code	No.	
4580150	<b>249000</b> Pump manual-hydraulic, 100 kN pressure No. 254200 Base plate with tripod No. 249310 Double open ended spanner 17x19 mm No. 249389, without bending tools	76.0

**249**

**PIPE BENDING MACHINE electro-hydraulic**

- ▼ For sizes up to 54 mm Ø, bends up to 90°
- ▼ For copper pipes, precision steel and hydraulic pipes, uncoated and coated pipes, composite pipes, electrical installation pipes etc.
- ▼ Electrical limiter for high degree of repeating accuracy in pipe bends
- ▼ With installation tripod
- ▼ Delivery in assembly case



Code	No.	
4580230	<b>249001</b> Electrical pump, 100 kN pressure, 3-phase AC 380-415 V, No. 254601, Base plate with tripod No. 249311, Double open ended spanner 17x19 mm No. 249389, without bending tools	111.0
1547593	<b>249002</b> as No. 249001, but with electrical pump, 100 kN pressure, AC 230 V, No. 254651	111.0

**E 249**

**PARTS**

Code	No.		
4582280	<b>249310</b> Base plate with stand for manual-hydraulic bending tool	42.5	1
4640310	<b>249311</b> Base plate with stand for electro-hydraulic bending tool	53.7	1
4640580	<b>249389</b> Double open ended spanner 17x19 mm	0.1	1
4584810	<b>254200</b> Pump, manual-hydraulic, 100 kN pressure	21.5	1
1599984	<b>254601</b> Pump 2" 380-415 V with electrical limiter	40.0	1
1599992	<b>254651</b> Pump 2" 230 V with electrical limiter	40.0	1

**E 249**

**BENDING SETS**

- ▼ Consisting of bending former with aluminium slide rail and pipe holder
- ▼ For shaping stainless steel pipes up from r = 150 mm and 1.5 mm wall thickness a steel slide rail is required. Please state when ordering!
- ▼ Special sizes available on request



Code	No.	Precision		Cu pipes		r =		
		Size	Size M	DIN EN	mm			
1527339	<b>249812</b>	12,0	12	12	12	85	2.9	1
4640660	<b>249815</b>	15,0		15	15	85	2.9	1
4654290	<b>249816</b>	16,0	16	16	12	85	2.9	1
4654370	<b>249818</b>	18,0		18	18	85	2.9	1
4654530	<b>249820</b>	20,0	20		20	18 85	2.9	1
1546090	<b>249020</b>	20,0	20			100	3.9	1
4654610	<b>249822</b>	22,0		22	22	85	2.9	1
4582520	<b>249825</b>	25,0		25		85	3.5	1
1546120	<b>249025</b>	25,0	25			100	3.9	1
4582600	<b>249828</b>	28,0		28		85	3.5	1
4580310	<b>249028</b>	28,0			28	100	3.5	1
4582790	<b>249830</b>	30,0		30		28 85	3.4	1
4580580	<b>249030</b>	30,0		30		28 100	3.7	1
4580660	<b>249032</b>	32,0		32		100	3.6	1
1546147	<b>249132</b>	32,0	32			150	7.5	1
4580820	<b>249035</b>	35,0		35		100	6.0	1
4580900	<b>249135</b>	35,0			35	150	7.3	1
4581120	<b>249138</b>	38,0		38		150	7.1	1
4581200	<b>249140</b>	40,0		40		150	7.7	1
1546163	<b>249240</b>	40,0	40			200	12.9	1
4581470	<b>249142</b>	42,0		42		150	7.7	1
1561944	<b>249242</b>	42,0			42	200	13.4	1
4581550	<b>249145</b>	45,0		45		150	7.5	1
4581710	<b>249250</b>	50,0	50	50		200	13.1	1
4582010	<b>249254</b>	54,0				200	12.4	1
1742655	<b>249503</b>	3/8	17,2			85	4.0	1
1639935	<b>249505</b>	1/2	21,3			100	6.5	1
1422820	<b>249507</b>	3/4	26,9			100	6.5	1
1276190	<b>249510</b>	1	33,7			150	6.5	1
1549561	<b>249512</b>	1.1/4	42,4			150	7.5	1
1232401	<b>249515</b>	1.1/2	48,3			200	14.5	1

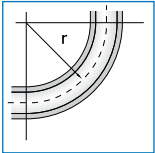
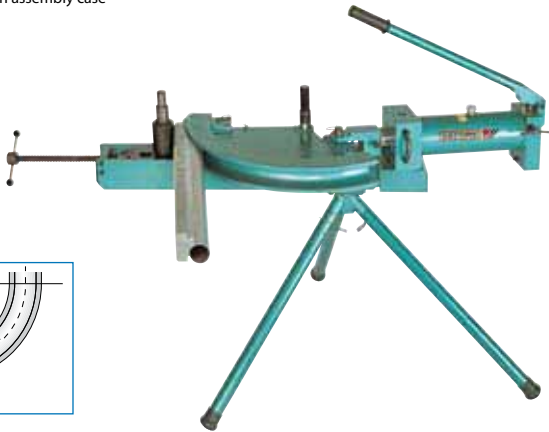




**250**

**PIPE BENDING MACHINE manual-hydraulic**

- ✔ Sizes up to 60.3 mm Ø, bends up to 90°
- ✔ For thin-walled stainless steel pipes up from 0.8 mm wall thickness, copper pipes, precision steel and hydraulic pipes, uncoated and coated pipes, composite pipes, electrical installation pipes etc.
- ✔ With installation tripod
- ✔ Easy handling
- ✔ Delivery in assembly case

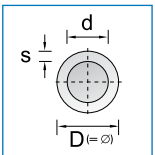


Code	No.	
4583760	<b>250000</b> 1 Pump, manual-hydraulic, 160 kN pressure, No. 254300, 1 Base plate No. 250010, 1 Installation tripod No. 268001, without bending tools	155.0

**250**

**PIPE BENDING MACHINE electro-hydraulic**

- ✔ Sizes up to 60.3 mm Ø, bends up to 90°
- ✔ For thin-walled stainless steel pipes up from 0.8 mm wall thickness, copper pipes, precision steel and hydraulic pipes, uncoated and coated pipes, composite pipes, electrical installation pipes etc.
- ✔ Electrical limiter for repeating accuracy in pipe bends
- ✔ With installation tripod
- ✔ Easy handling
- ✔ Delivery in assembly case



Code	No.	
4583840	<b>250001</b> 1 Pump, electro-hydraulic, 160 kN pressure, 3-phase AC 380-415 V, No. 254701, 1 Base plate No. 250010, 1 Installation tripod No. 268001, without bending tools	175.0
1380133	<b>250002</b> as No. 250001, but with 1 Pump, electro-hydraulic, 160 kN pressure, AC 230 V, No. 254751	175.0

✔ Electric extension cables - see page 365



**E 250**

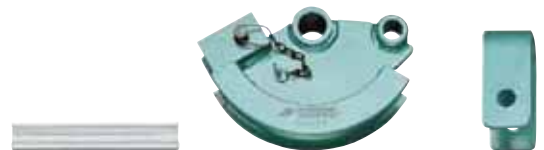
**PARTS**

Code	No.	
4583920	<b>250010</b> Base plate without stand for 250	108.3
4599840	<b>268001</b> Installation tripod	17.4
4585030	<b>254300</b> Pump, manual-hydraulic, 160 kN	29.3
1600001	<b>254701</b> Pump 3" 380-415 V with electrical limiter	48.0
1600028	<b>254751</b> Pump 3" 230 V with electrical limiter	48.0

**E 250**

**BENDING SETS**

- ✔ Consisting of bending former with aluminium slide rail and pipe holder
- ✔ Also available on request with chemical nickel-plating - please enquire!



Code	No.		Size	Ø mm	r = mm		
4655690	<b>250325</b>			25,0	100	7.5	1
1380141	<b>250328</b>			28,0	100	7.5	1
1679155	<b>250330</b>			30,0	150	13.0	1
4655770	<b>250340</b>			40,0	200	15.0	1
4640900	<b>250352</b>			52,0	350	41.0	1
2001152	<b>250354</b>			54,0	250	21.0	1
4640820	<b>250305</b>		1/2	21,3	100	7.5	1
4655180	<b>250307</b>		3/4	26,9	100	7.5	1
1147978	<b>250510</b>		1	33,7	100	7.5	1
4655260	<b>250310</b>		1	33,7	150	13.0	1
1147986	<b>250512</b>		1.1/4	42,4	150	13.0	1
4655340	<b>250312</b>		1.1/4	42,4	200	15.0	1
1147994	<b>250515</b>		1.1/2	48,3	200	15.0	1
4655420	<b>250315</b>		1.1/2	48,3	250	21.0	1
1148001	<b>250520</b>		2	60,3	250	21.0	1
4655500	<b>250320</b>		2	60,3	400	55.0	1

Deviant packing units see article description.





# HYDRAULIC UNIVERSAL PIPE BENDING MACHINES

## max. bending capacities Pipe bending machines 255-261

Bender no.	Gas and water pipes DIN 2440/2441		Distilling pipes DIN 2448		Electrical installation pipes DIN EN 60423	Railing tubes*)	Metric tubes*)	
	up to 90° Size	up to 180° Size	up to 90° Size	up to 90° Ø mm	up to 90° Nominal size	up to 90° Size	up to 90° Ø mm	up to 180° Ø mm
255 - 256	3/8 - 1.1/4"	-	3/8 - 1"	25 - 32	M12 - M20	3/8 - 3/4"	14 - 35	-
257 - 258	3/8 - 2"	3/4 - 1.1/2"	3/8 - 1.12"	25 - 51	M12 - M40	3/8 - 1.1/4"	14 - 50	25 - 50
259 - 260	3/8 - 3"	-	3/8 - 2.1/2"	25 - 76	M12 - M50	3/8 - 2"	14 - 70	-
261	3/8 - 4"	-	3/8 - 2.1/2"	25 - 76	M12 - M50	3/8 - 2"	14 - 70	-

\*) Specifications under reserve - as these are dependent on the respective wall thickness

### 255-261

#### PIPE BENDING MACHINE manual-hydraulic, fold-open

- Available in different voltages
- For gas and water pipes DIN 2440/2441, bends up to 90°
- Options available: Bending formers and counter-supports for bends up to 180°, for distilling pipes DIN 2448 and railing tubes - see no. 263 to 267
- Formers for stainless steel pipes available on request
- Delivery in assembly case



### 255-261

#### PIPE BENDING MACHINE electro-hydraulic, fold-open

- Available in different voltages
- For gas and water pipes DIN 2440/2441, bends up to 90°
- Options available: Bending formers and counter-supports for bends up to 180°, for distilling pipes DIN 2448 and railing tubes - see no. 263 to 267
- Formers for stainless steel pipes available on request
- Options available with electrical limiter (sizes 1.1/4", 2", 3")
- Delivery in assembly case



255-259



261

Code	No.	Size	included in delivery	Weight
4586190	<b>255000</b>	1.1/4	without bending formers	39.0
4586270	<b>255100</b>	1.1/4	with 5 bending formers No. 263103-112	48.0
4587400	<b>257000</b>	2	without bending formers	54.0
4587590	<b>257100</b>	2	with 7 bending formers No. 263103-120	75.0
4588720	<b>259000</b>	3	without bending formers	98.0
4588800	<b>259100</b>	3	with 9 bending formers No. 263103-130	173.0
4590030	<b>261000</b>	4	without bending formers	320.0
4644060	<b>261100</b>	4	with 10 bending formers No. 263103-130 + 263040	493.0

Code	No.	Size	included in delivery	Drive	Weight
4586350	<b>255500</b>	1.1/4	without bending formers	380-415 V	65.0
4586430	<b>255510</b>	1.1/4	with 5 bending formers No. 263103-112	380-415 V	74.0
4586510	<b>255600</b>	1.1/4	without bending formers	230 V	65.0
4586780	<b>255610</b>	1.1/4	with 5 bending formers No. 263103-112	230 V	74.0
4587670	<b>257500</b>	2	without bending formers	380-415 V	78.0
4587750	<b>257510</b>	2	with 7 bending formers No. 263103-120	380-415 V	99.0
4587830	<b>257600</b>	2	without bending formers	230 V	78.0
4587910	<b>257610</b>	2	with 7 bending formers No. 263103-120	230 V	99.0
4588990	<b>259500</b>	3	without bending formers	380-415 V	123.0
4589020	<b>259510</b>	3	with 9 bending formers No. 263103-130	380-415 V	198.0
4589100	<b>259600</b>	3	without bending formers	230 V	123.0
4589290	<b>259610</b>	3	with 9 bending formers No. 263103-130	230 V	198.0
4590110	<b>261500</b>	4	without bending formers	380-415 V	330.0
4644140	<b>261510</b>	4	with 10 bending formers No. 263103-130 + 263040	380-415 V	503.0



Deviant packing units see article description.

Electric extension cables - see page 365





**256-260**

**PIPE BENDING MACHINE manual-hydraulic, open**

- ▶ Available in different voltages
- ▶ For gas and water pipes DIN 2440/2441, bends up to 90°
- ▶ Options available: Bending formers and counter-supports for bends up to 180°, for distilling pipes DIN 2448 and railing tubes - see no. 263 to 267
- ▶ Formers for stainless steel pipes available on request
- ▶ Delivery in assembly case



256-258

Code	No.	Size	included in delivery	↕
4586860	<b>256000</b>	1.1/4	without bending formers	47.0
4586940	<b>256100</b>	1.1/4	with 5 bending formers No. 263103-112	56.0
4588050	<b>258000</b>	2	without bending formers	73.0
4588130	<b>258100</b>	2	with 7 bending formers No. 263103-120	94.0
4589370	<b>260000</b>	3	without bending formers	120.0
4589450	<b>260100</b>	3	with 9 bending formers No. 263103-130	207.0

**256-260**

**PIPE BENDING MACHINE electro-hydraulic, open**

- ▶ Available in different voltages
- ▶ For gas and water pipes DIN 2440/2441, bends up to 90°
- ▶ Options available: Bending formers and counter-supports for bends up to 180°, for distilling pipes DIN 2448 and railing tubes - see no. 263 to 267
- ▶ Formers for stainless steel pipes available on request
- ▶ Options available with electrical limiter
- ▶ Delivery in assembly case



256-258

260

Code	No.	Size	included in delivery	Drive	↕
4587080	<b>256500</b>	1.1/4	without bending formers	380-415 V	73.0
4587160	<b>256510</b>	1.1/4	with 5 bending formers No. 263103-112	380-415 V	82.0
4587240	<b>256600</b>	1.1/4	without bending formers	230 V	73.0
4587320	<b>256610</b>	1.1/4	with 5 bending formers No. 263103-112	230 V	82.0
4588210	<b>258500</b>	2	without bending formers	380-415 V	98.0
4588480	<b>258510</b>	2	with 7 bending formers No. 263103-120	380-415 V	119.0
4588560	<b>258600</b>	2	without bending formers	230 V	98.0
4588640	<b>258610</b>	2	with 7 bending formers No. 263103-120	230 V	119.0
4589530	<b>260500</b>	3	without bending formers	380-415 V	155.0
4589610	<b>260510</b>	3	with 9 bending formers No. 263103-130	380-415 V	242.0
4589880	<b>260600</b>	3	without bending formers	230 V	155.0
4589960	<b>260610</b>	3	with 9 bending formers No. 263103-130	230 V	242.0

**268**

**INSTALLATION TRIPOD**

- ▶ Available in 2 sizes
- ▶ For benders up to max. 3"
- ▶ Pivotal



Code	No.	Height	↕
4599760	<b>268000</b>	480	6.2
4599840	<b>268001</b>	680	17.4

**2630**

**STEEL BENDING FORMER UP TO 90°**

- ▶ For gas and water pipes DIN 2440/2441



Code	No.	Use in machines	Size	Ø mm	r = mm	↕
4644220	<b>263003</b>	255-261	3/8	17,2	45	1.5
4655850	<b>263005</b>	255-261	1/2	21,3	50	1.3
4655930	<b>263007</b>	255-261	3/4	26,9	75	2.2
4656070	<b>263010</b>	255-261	1	33,7	100	2.3
4656150	<b>263012</b>	255-261	1.1/4	42,4	126	5.8
4656230	<b>263015</b>	257-261	1.1/2	48,3	145	5.3
4656310	<b>263020</b>	257-261	2	60,3	200	11.2
4656580	<b>263025</b>	259-261	2.1/2	76,1	320	21.2
4656660	<b>263030</b>	259-261	3	88,9	380	33.0
4644300	<b>263040</b>	261	4	114,3	600	98.0

- ▶ Electric extension cables - see page 365



**2631**

**GREY CAST IRON BENDING FORMER UP TO 90°**

- ▶ For gas and water pipes DIN 2440/2441



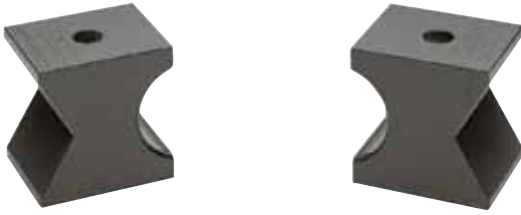
Code	No.	Use in machines	Size	Ø mm	r = mm	↕
4539000	<b>263103</b>	255-261	3/8	17,2	45	0.9
4539190	<b>263105</b>	255-261	1/2	21,3	50	1.3
4539270	<b>263107</b>	255-261	3/4	26,9	75	2.2
4590460	<b>263110</b>	255-261	1	33,7	100	2.3
4590540	<b>263112</b>	255-261	1.1/4	42,4	115	2.4
4539350	<b>263115</b>	257-261	1.1/2	48,3	150	5.3
4539430	<b>263120</b>	257-261	2	60,3	200	6.7
4590620	<b>263125</b>	259-261	2.1/2	76,1	320	21.2
4590700	<b>263130</b>	259-261	3	88,9	380	33.0



### 2632

#### COUNTER-SUPPORT (PAIR) UP TO 90°

► For surface-protective bending of uncoated steel pipes and the like



Code	No.	Use in machines	↔ mm
4591510	<b>263267</b>	257	9.0
4591780	<b>263268</b>	258	8.4
4591860	<b>263269</b>	259	15.4
4591940	<b>263270</b>	260	6.6

### 2640

#### STEEL BENDING FORMER UP TO 90°

► For standard-walled distilling pipes DIN 2448 and metric pipes



Code	No.	Use in machines	Size	∅ mm	r = mm	↔ mm
4595260	<b>264003</b>	255-261	3/8	17,2	55	2.0
4595340	<b>264005</b>	255-261	1/2	21,3	75	2.5
4595420	<b>264007</b>	255-261	3/4	26,9	90	3.5
4595500	<b>264010</b>	255-261	1	33,7	130	5.4
4595690	<b>264012</b>	257-261	1.1/4	42,4	180	10.2
4596230	<b>264048</b>	257-261	1.1/2	48,3	220	11.8
4596660	<b>264060</b>	259-261	2	60,3	270	21.3
4596900	<b>264076</b>	259-261	2.1/2	76,1	420	49.3
4592750	<b>264014</b>	255-261		14,0	70	2.2
4592830	<b>264015</b>	255-261		15,0	70	2.3
4592910	<b>264016</b>	255-261		16,0	70	2.2
4593050	<b>264018</b>	255-261		18,0	90	3.4
4593130	<b>264020</b>	255-261		20,0	90	3.4
4593210	<b>264022</b>	255-261		22,0	90	3.2
4595770	<b>264025</b>	255-261		25,0	115	3.6
4595850	<b>264030</b>	255-261		30,0	140	6.7
4595930	<b>264032</b>	255-261		32,0	140	6.6
4596070	<b>264038</b>	257-261		38,0	170	8.2
4596150	<b>264044</b>	257-261		44,5	190	10.7
4596310	<b>264051</b>	257-261		51,0	220	15.4
4596580	<b>264057</b>	259-261		57,0	250	15.1
4596740	<b>264063</b>	259-261		63,5	270	22.1
4596820	<b>264070</b>	259-261		70,0	315	23.9

### 2649

#### STEEL BENDING FORMER UP TO 90°

► For electrical installation pipes DIN EN 60423



Code	No.	Use in machines	∅ mm	r = mm	↔ mm
1549626	<b>264912</b>	255-261	12	115	4.1
4597390	<b>264916</b>	255-261	16	115	4.1
1549634	<b>264920</b>	255-261	20	130	5.4
1549642	<b>264925</b>	257-261	25	160	5.7
1549650	<b>264932</b>	257-261	32	170	8.7
1549669	<b>264940</b>	257-261	40	220	10.4
1549677	<b>264950</b>	259-261	50	250	19.5

### 2650

#### STEEL BENDING FORMER UP TO 90°

► For railing pipes with wall thickness from 1.75 to 2.30 mm



Code	No.	Use in machines	Size	∅ mm	r = mm	↔ mm
4539510	<b>265003</b>	255-261	3/8	17,2	110	3.6
4598280	<b>265005</b>	255-261	1/2	21,3	110	3.6
4598010	<b>265007</b>	255-261	3/4	26,9	137	6.1
4598360	<b>265010</b>	257-261	1	33,7	190	9.4
4545830	<b>265012</b>	257-261	1.1/4	42,4	220	12.4
4644650	<b>265015</b>	259-261	1.1/2	48,3	250	13.7
4644730	<b>265020</b>	259-261	2	60,3	315	25.0

### 2633

#### STEEL BENDING FORMER UP TO 180°

► For gas and water pipes DIN 2440/2441  
► For bends up to 180° piston extension no. 260819 and counter-support no. 263503 - 263504 are required



Code	No.	Use in machines	Size	∅ mm	r = mm	↔ mm
4592240	<b>263307</b>	257-258	3/4	26,9	110	4.7
4592320	<b>263310</b>	257-258	1	33,7	115	6.1
4592400	<b>263312</b>	257-258	1.1/4	42,4	115	6.4
4592590	<b>263315</b>	257-258	1.1/2	48,3	140	9.4

### 2634

#### STEEL BENDING FORMER UP TO 180°

► For metric pipes  
► For bends up to 180° piston extension no. 260819 and counter-support no. 263503 - 263504 are required



Code	No.	Use in machines	∅ mm	r = mm	↔ mm
4593480	<b>263425</b>	257-258	25	110	3.5
4593560	<b>263428</b>	257-258	28	110	6.6
4593640	<b>263430</b>	257-258	30	110	6.4
4593720	<b>263432</b>	257-258	32	130	7.4
4593800	<b>263435</b>	257-258	35	130	7.1
4593990	<b>263438</b>	257-258	38	150	10.8
4594020	<b>263440</b>	257-258	40	150	10.3
4594100	<b>263442</b>	257-258	42	150	11.9
4594290	<b>263448</b>	257-258	48	150	11.3
4594370	<b>263450</b>	257-258	50	150	10.8

### 2608

#### WORKING PISTON EXTENSION

► For producing hairpin bends up to 180°  
► For bending formers No. 2633 and 2634

Code	No.	↔ mm	↔ mm
4696450	<b>260819</b>	160	2.4






**2635**

**COUNTER-SUPPORT (PAIR)**

- For producing hairpin bends up to 180°
- For bending formers no. 2633 and 2634




Code	No.	Use in machines	
4594610	<b>263503</b>	257	17.5
4594880	<b>263504</b>	258	16.8

**2670**

**STRAIGHTENING TOOL**

- For steel pipes and scaffold tubes 1.1/2"
- We recommend its use together with the counter-supports no. 267101 - 267102



Code	No.	Use in machines	Size	Ø mm	
4697690	<b>267015</b>	257-258	1.1/2	48,3	6.2

**2671**

**STRAIGHTENING COUNTER-SUPPORT (PAIR)**

- For steel pipes and scaffold tubes 1.1/2"
- For straightening tool no. 267




Code	No.	Use in machines	Size	Ø mm	
1548379	<b>267101</b>	257	1.1/2	48,3	8.3
1546961	<b>267102</b>	258	1.1/2	48,3	7.7

**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)




Code	No.	Size	Use in machines	
4584730	<b>254100</b>	1.1/4	255 256	16.2
4584810	<b>254200</b>	2	249 257 258 2803 2804	21.5
4585030	<b>254300</b>	3	250 259 260	29.3
4585110	<b>254400</b>	4	261	43.0

**254**

**PUMP electro-hydraulic**

- Available in various power stages
- Option to re-fit with electrical limiter no. 254580 (size 1.1/4"), no. 254680 (size 2") or no. 254780 (size 3")




Code	No.	Size	Use in machines	Connection voltage Volt	
4585380	<b>254500</b>	1.1/4	2555 2565	380-415	35.0
4585460	<b>254550</b>	1.1/4	2556 2566	230	35.0
4585540	<b>254600</b>	2	2575 2585	380-415	40.0
4585620	<b>254650</b>	2	2576 2586	230	40.0
4585700	<b>254700</b>	3	2595 2605	380-415	48.0
4585890	<b>254750</b>	3	2596 2606	230	48.0
4585970	<b>254800</b>	4	2615	380-415	75.0

**254**

**PUMP electro-hydraulic, with electrical limiter**

- Available in various power stages
- With electrical limiter
- Pre-adjustable feed for repetition accuracy in the production of pipe bends



Code	No.	Size	Use in machines	Connection voltage Volt	
1599968	<b>254501</b>	1.1/4	2555 2565	380-415	35.0
1599976	<b>254551</b>	1.1/4	2556 2566	230	35.0
1599984	<b>254601</b>	2	249 2575 2585 2803 2804	380-415	40.0
1599992	<b>254651</b>	2	249 2576 2586 2803 2804	230	40.0
1600001	<b>254701</b>	3	250 2595 2605	380-415	48.0
1600028	<b>254751</b>	3	250 2596 2606	230	48.0

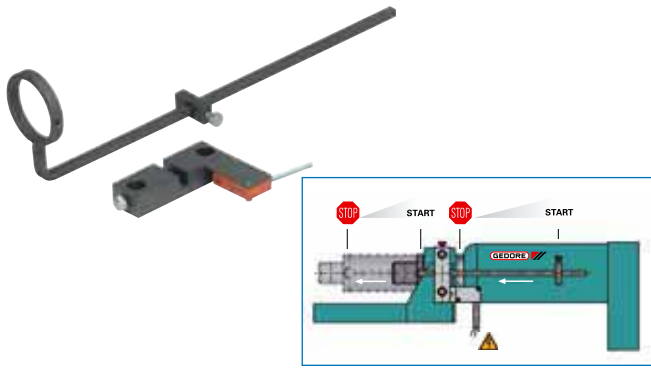




254

**ELECTRICAL LIMITER**

- For electro-hydraulic pumps 1.1/4", 2" and 3"
- Pre-adjustable feed for repetition accuracy in the production of pipe bends



Code	No.	Size	Use in machines	⚖️
1441337	<b>254580</b>	1.1/4	255 256	700
1441345	<b>254680</b>	2	249 257 258 2803 2804	750
1441353	<b>254780</b>	3	250 259 260	800

254

**ELECTRICAL CONVERSION KIT**

- For manual-hydraulic pumps 1.1/4", 2", 3" and 4"
- Consisting of electric motor, cam drive, conveying unit, carrying handle and all small parts required
- \* Can only be used in connection with electrical limiter no. 254680
- \*\* Can only be used in connection with electrical limiter no. 254780



Code	No.	Use in machines	Connection voltage Volt	⚖️
4718870	<b>254950</b>	249* 250** 255-261 280*	380-415	19.0
4718950	<b>254955</b>	249* 250** 255-261 280*	230	19.0

E 254

**GASKET SET**

- For all hydraulic pumps with machine number 254.....



Code	No.	Size	⚖️	📦
4687890	<b>254160</b>	1.1/4	70	1
Machine no. 2541...				
4689080	<b>254260</b>	2	75	1
Machine no. 2542...				
4690170	<b>254360</b>	3	80	1
Machine no. 2543...				
1549596	<b>254460</b>	4	100	1
Machine no. 2544...				
4690840	<b>254560</b>	1.1/4	70	1
Machine no. 2545...				
4624620	<b>254660</b>	2	75	1
Machine no. 2546...				
4691140	<b>254760</b>	3	80	1
Machine no. 2547...				
1378686	<b>254860</b>	4	100	1
Machine no. 2548...				

Deviant packing units see article description.

254

**EXTENSION CABLE**

- For electro-hydraulic pumps 1.1/4", 2", 3" and 4"



Code	No.	Description	Connection voltage Volt	⚖️	📦
4694080	<b>254982</b>	CEE extension cable 5 m	380-415	1.7	1
4694160	<b>254983</b>	CEE extension cable 10 m	380-415	3.1	1
4694240	<b>254984</b>	Safety extension cable 5 m	230	0.9	1
4694320	<b>254985</b>	Safety extension cable 10 m	230	1.6	1

269

**HYDRAULIC OIL 1 litre**

- The volume stated is required each time



Code	No.	for pumps	required volume litre	⚖️	📦
4599920	<b>269000</b>	1.1/4"	0,90	880	1
		2"	1,25		
		3"	1,90		
		4"	3,50		

E 255-261

**BENDING FRAME fold-open**

- Without installed parts



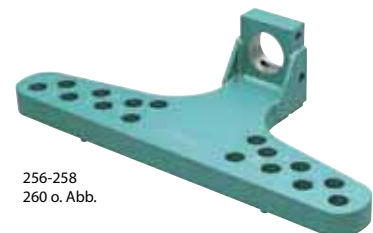
255-259  
261 o. Abb.

Code	No.	Size	Use in machines	⚖️
4641200	<b>255010</b>	1.1/4	255 2555 2556	7.7
4642010	<b>257010</b>	2	257 2575 2576	12.4
4642870	<b>259010</b>	3	259 2595 2596	37.2
4643680	<b>261010</b>	4	261 2615	281.0

E 256-260

**BENDING FRAME open**

- Without installed parts



256-258  
260 o. Abb.

Code	No.	Size	Use in machines	⚖️
4641550	<b>256010</b>	1.1/4	256 2565 2566	15.4
4642440	<b>258010</b>	2	258 2585 2586	31.2
4643170	<b>260010</b>	3	260 2605 2606	95.0







**E 255-261**

**COUNTER-SUPPORT (PIECE)**





Code	No.	Size	Use in machines		
4641390	<b>255015</b>	1.1/4	255 2555 2556	1.6	1
4641630	<b>256015</b>	1.1/4	256 2565 2566	1.4	1
4642280	<b>257015</b>	2	257 2575 2576	3.2	1
4642520	<b>258015</b>	2	258 2585 2586	2.9	1
4642950	<b>259015</b>	3	259 2595 2596	5.3	1
4643250	<b>260015</b>	3	260 2605 2606	4.3	1
4643760	<b>261015</b>	4	261 2615	15.7	1

**E 255-261**

**COUNTER-SUPPORT FIXING PIN (PIECE)**





Code	No.	Size	Use in machines		
4641470	<b>255020</b>	1.1/4	255 2555 2556	300	1
4641710	<b>256020</b>	1.1/4	256 2565 2566	850	1
4642360	<b>257020</b>	2	257 2575 2576	440	1
4642600	<b>258020</b>	2	258 2585 2586	960	1
4643090	<b>259020</b>	3	259 2595 2596	480	1
4643330	<b>260020</b>	3	260 2605 2606	2020	1
4643840	<b>261020</b>	4	261 2615	1750	1

**E 255-261**

**U-YOKE**



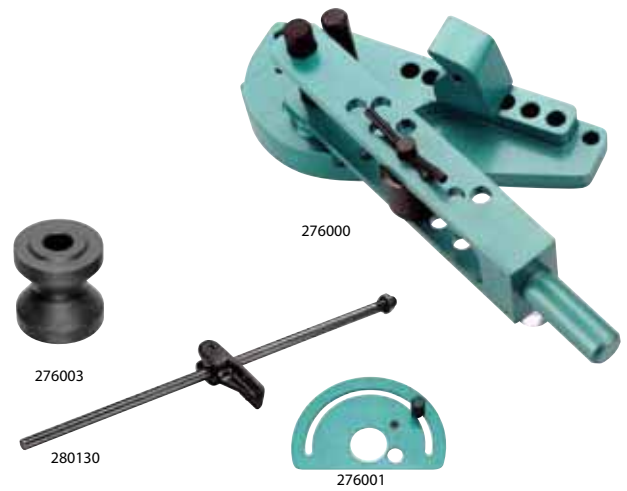
Code	No.	Size	Use in machines		
4721660	<b>256030</b>	1.1/4	255 2555 2556 256 2565 2566	180	1
4641980	<b>258030</b>	2	249 257 2575 2576 258 2585 2586 2803 2804	400	1
4643410	<b>260030</b>	3	250 259 2595 2596 260 2605 2606	480	1
4643920	<b>261030</b>	4	261 2615	900	1


**UNIVERSAL PIPE BENDER**

**276**

**UNIVERSAL PIPE BENDER**

- For sizes up to 32 mm Ø and up to 3/4" Ø, bends up to 180°
- For thin-walled steel tubes, hydraulic pipes, copper pipes DIN EN 1057, multi-layer composite pipes (MSR), non-ferrous metal pipes
- Heat insulated pipes, gas and water pipes DIN 2440/2441 and electrical installation pipes
- Also suitable for MW steel and stainless steel pipes - please enquire!
- For installation on the workbench or holding in a vice





Code	No.		
4600010	<b>276000</b>	Basic equipment with adjustable pressure roller shaft, cylindrical pressure roller, without bending tools	16.7
4600360	<b>276003</b>	Pressure roller 1/8" - 3/4"	0.5
4600280	<b>276001</b>	Angled stop	1.8
4606210	<b>280130</b>	Length stop	0.7
4719090	<b>268230</b>	Bending lever extension, 740 mm long	3.5

**E 276**

**BENDING FORMER**

- For gas and water pipes DIN 2440/2441
- Pressure roller no. 276003 is required

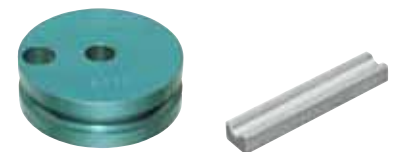




Code	No.	Size	Ø mm	r = mm		
4600440	<b>276101</b>	1/8	10,2	40	1.2	1
4600520	<b>276102</b>	1/4	13,5	40	1.2	1
4600600	<b>276103</b>	3/8	17,2	50	1.6	1
4600790	<b>276105</b>	1/2	21,3	68	2.4	1
4600870	<b>276107</b>	3/4	26,9	80	5.8	1

**E 276**

**BENDING FORMER with slide rail**

- For metric pipes



Code	No.	Ø mm	WICU*	Size M	r = mm		
4600950	<b>276506</b>	6			40	1.5	1
4601090	<b>276508</b>	8			40	1.4	1
4601170	<b>276510</b>	10	6		40	1.4	1
4601250	<b>276512</b>	12	8		40	1.4	1
1553682	<b>276912</b>	12		12	81	6.5	1
4601330	<b>276514</b>	14	10		50	1.9	1
4601410	<b>276515</b>	15			50	1.8	1
4601680	<b>276516</b>	16	12		68	4.7	1





Code	No.	Ø mm	WICU*	Size M	r = mm	↔	☑
1553690	<b>276916</b>	16		16	81	6.5	1
4601760	<b>276518</b>	18			68	4.7	1
4601840	<b>276519</b>	19	15		68	4.6	1
4601920	<b>276520</b>	20			68	4.6	1
1553704	<b>276920</b>	20		20	105	4.8	1
4602060	<b>276522</b>	22			81	6.5	1
4602140	<b>276525</b>	25		25	105	4.7	1
4602220	<b>276526</b>	26			105	4.8	1
4602300	<b>276528</b>	28			126	5.4	1
4602490	<b>276530</b>	30			153	7.0	1
4602570	<b>276532</b>	32		32	153	7.0	1

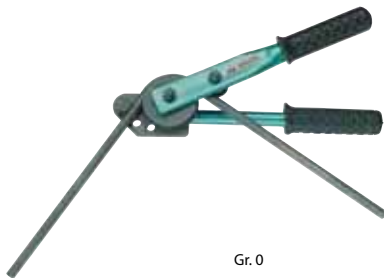
## 278

### MANUAL PIPE BENDER

- From 3 to 10 mm Ø (size 0), 6 to 18 mm Ø (size 1) and 20 to 25 mm Ø (size 2), bends up to 180°
- For precision steel and hydraulic pipes
- For vice clamping, size 0 also usable as bending pliers



Gr. 1 + 2



Gr. 0

Code	No.	↔
4539780	<b>278000</b> Size 0, consisting of: - basic tool body No. 278070 - bending lever No. 278080 - 4 bending formers 3-4, 5-6, 7-8, 10 mm	1.5
4603460	<b>278100</b> Size 1, consisting of: - basic tool body No. 278170 - bending lever No. 278180 - 6 bending formers 6-8, 10-12, 14, 15, 16, 18 mm	9.3
4539860	<b>278200</b> Size 2, consisting of: - basic tool body No. 278270 - bending lever No. 278280 - 3 bending formers 20, 22, 25 mm	25.5

## 2780

### MANUAL PIPE BENDER

- As no. 278000, but in sheet steel case no. 278090
- Contains additionally 1 pipe cutter MINI-QUICK no. 231000 and 1 pipe deburring reamer no. 232001



Code	No.	↔
1543199	<b>278001</b> 1 basic tool body No. 278070 1 bending lever No. 278080 4 bending formers 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	2.7

## 278

### MANUAL PIPE BENDER

- From 3 to 10 mm Ø (size 0), 6 to 18 mm Ø (size 1) and 20 to 25 mm Ø (size 2), bends up to 180°
- For precision steel and hydraulic pipes, as well as stainless steel pipes with wall thickness as following:  
size 0 = 1.0 - 1.2 mm  
size 1 = 1.2 - 1.5 mm  
size 2 = 1.5 - 2.0 mm
- For vice clamping, size 0 also usable as bending pliers



Gr. 0



Gr. 1+2

Code	No.	↔
1589830	<b>278500</b> Size 0, consisting of: - basic tool body No. 278070 - bending lever No. 278080 - 4 aluminium bending formers 3-4, 5-6, 7-8, 10 mm	1.4
1589857	<b>278600</b> Size 1, consisting of: - basic tool body No. 278170 - bending lever No. 278180 - 6 aluminium bending formers 6-8, 10-12, 14, 15, 16, 18 mm	6.4
1589865	<b>278700</b> Size 2, consisting of: - basic tool body No. 278270 - bending lever No. 278280 - 3 aluminium bending formers 20, 22, 25 mm	13.0

## 2785

### MANUAL PIPE BENDER

- As no. 278500, but in sheet steel case no. 278090
- Contains additionally 1 pipe cutter MINI-QUICK no. 231000 and 1 pipe deburring reamer no. 232001



Code	No.	↔
1589849	<b>278501</b> 1 basic tool body No. 278070 1 bending lever No. 278080 4 aluminium bending formers 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






**2786**

**MANUAL PIPE BENDER**

- As no. 278600, but in sheet steel case no. 278190
- Contains additionally 1 pipe cutter 4-35 mm and 1 pin punch 3 mm





Code	No.	
1611526	<b>278601</b> 1 basic tool body No. 278670 1 bending lever No. 278680 6 aluminium bending formers 6-8, 10-12, 14, 15, 16, 18 mm 1 pipe cutter 4-35 mm 1 pin punch 3 mm 1 sheet steel case No. 278190	8.3

**E 278**

**PARTS**





Code	No.		
4603110	<b>278070</b> Basic tool body size 0	640	1
4603380	<b>278080</b> Bending lever size 0	380	1
4604000	<b>278170</b> Basic tool body size 1	1240	1
4604190	<b>278180</b> Bending lever size 1	2300	1
1677209	<b>278670</b> Basic tool body size 1	1240	1
1626043	<b>278680</b> Bending lever size 1 pluggable	1930	1
4604510	<b>278270</b> Basic tool body size 2	4140	1
4604780	<b>278280</b> Bending lever size 2	3000	1
4504560	<b>231000</b> Pipe cutter MINI-QUICK, 4-16 mm	125	1
1439510	<b>232001</b> Pipe deburring reamer	30	1
1526189	<b>278090</b> Sheet steel case for 278001+501	1040	1
1611534	<b>278190</b> Sheet steel case for 278601	4180	1

**E 278**

**BENDING FORMER**

- No. 278004-278225 steel bending former
- No. 278504-278725 aluminium bending former



Code	No.	suitable for	$\varnothing$ mm	r = mm		
4602650	<b>278004</b>	Gr. 0	3-4	14	49	1
4602730	<b>278006</b>	Gr. 0	5-6	16	63	1
4602810	<b>278008</b>	Gr. 0	7-8	24	156	1
4603030	<b>278010</b>	Gr. 0	10	29	220	1
4603540	<b>278108</b>	Gr. 1	6-8	32	560	1
4603620	<b>278112</b>	Gr. 1	10-12	36	600	1
4603700	<b>278114</b>	Gr. 1	14	36	560	1
4624890	<b>278115</b>	Gr. 1	15	43	880	1
4603890	<b>278116</b>	Gr. 1	16	43	850	1
4603970	<b>278118</b>	Gr. 1	18	50	1180	1
4604270	<b>278220</b>	Gr. 2	20	85	5380	1
4604350	<b>278222</b>	Gr. 2	22	85	5180	1
4604430	<b>278225</b>	Gr. 2	25	85	4900	1
1576798	<b>278504</b>	Gr. 0	3-4	14	20	1
1576801	<b>278506</b>	Gr. 0	5-6	16	25	1
1576828	<b>278508</b>	Gr. 0	7-8	24	55	1
1576836	<b>278510</b>	Gr. 0	10	29	85	1
1576844	<b>278608</b>	Gr. 1	6-8	32	200	1
1576852	<b>278612</b>	Gr. 1	10-12	36	220	1
1576879	<b>278614</b>	Gr. 1	14	36	200	1
1576887	<b>278615</b>	Gr. 1	15	43	320	1
1576895	<b>278616</b>	Gr. 1	16	43	320	1
1576909	<b>278618</b>	Gr. 1	18	50	450	1
1576917	<b>278720</b>	Gr. 2	20	85	2000	1
1576925	<b>278722</b>	Gr. 2	22	85	1950	1
1576933	<b>278725</b>	Gr. 2	25	85	1950	1

Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)



Deviant packing units see article description.





# ECCENTRIC ANGLE BENDERS

## max. bending capacities Angle benders 280

Referring to dimensions of ST37 material strength 400 N/mm<sup>2</sup> (SI-unit)  
 \* DIN 46433 for max. material strength F 25 = 250 N/mm<sup>2</sup>  
 \*\* DIN 46433 for max. material strength F 16 = 160 N/mm<sup>2</sup>

**Please note:**  
 To reach the maximum bending capacities special bending tools with larger radii are required - see "E 280 Parts"

	70 mm working height		100 mm working height		120 mm working height	
	cold mm	hot mm	cold mm	hot mm	cold mm	hot mm
<b>Flat steel DIN 1017</b>	70 x 10	70 x 20	100 x 10	100 x 22	120 x 8	120 x 20
	50 x 14	50 x 25	65 x 12	75 x 25	100 x 10	100 x 22
	30 x 20	35 x 30	50 x 14	35 x 30	80 x 12	80 x 25
<b>Square steel stock DIN 1014</b>	20	30	22	30	22	30
<b>Round steel stock DIN 1013</b>	20	30	25	30	25	30
<b>Angled steel stock DIN 1028</b>	70 x 5	70 x 11	100 x 10	100 x 20	120 x 10	120 x 20
<b>Cu (flat bars) DIN EN 1057 *</b>	70 x 15		100 x 30 (r=25 mm)		120 x 12 (soft:120 x 30)	
<b>Al-flat bars DIN 1769 **)</b>	70 x 20		100 x 30 (r=25 mm)		120 x 15 (soft:120 x 30)	

### 280

#### ECCENTRIC ANGLE BENDER 70 mm working height

- ▀ For bends up to 110°
- ▀ For round, flat and angled stocks in steel, copper or aluminium
- ▀ Bending tools with one sharp and one rounded edge r = 4 mm
- ▀ In various designs:
- ▀ **Manual:** Tabletop unit to be mounted on a workbench
- ▀ **Manual-hydraulic:** Equipment mounted on installation tripod, delivery in assembly case
- ▀ **Electro-hydraulic:** Equipment mounted on installation tripod, with electrical limiter, delivery in assembly case



Code	No.	Included in delivery	
4539940	<b>280070</b>	complete ready for use, with bending tool No. 280071, manual	24.3
4645460	<b>280370</b>	complete ready for use, with bending tool No. 280071, pump, manual-hydraulic, No. 254200, base plate with tripod No. 280210	100.2
4645540	<b>280371</b>	complete ready for use, with bending tool No. 280071, pump, electro-hydraulic, 380-415 V, No. 254601, base plate with tripod No. 280210	124.7
1547569	<b>280372</b>	complete ready for use, with bending tool No. 280071, pump, electro-hydraulic, 230 V, No. 25465, base plate with tripod No. 280210	124.7

### 280

#### ECCENTRIC ANGLE BENDER 100 mm working height

- ▀ For bends up to 110°
- ▀ For round, flat and angled stocks in steel, copper or aluminium
- ▀ Bending tools with one sharp and one rounded edge r = 4 mm
- ▀ In various designs:
- ▀ **Manual:** Tabletop unit to be mounted on a workbench
- ▀ **Manual-hydraulic:** Equipment mounted on installation tripod, delivery in assembly case
- ▀ **Electro-hydraulic:** Equipment mounted on installation tripod, with electrical limiter, delivery in assembly case



Code	No.	Included in delivery	
4535010	<b>280100</b>	complete ready for use, with bending tool No. 280111, manual	26.5
4606640	<b>280400</b>	complete ready for use, with bending tool No. 280111, pump, manual-hydraulic, No. 254200, base plate with tripod No. 280210	102.4
4606720	<b>280401</b>	complete ready for use, with bending tool No. 280111, pump, electro-hydraulic, 380-415 V, No. 254601, base plate with tripod No. 280210	126.9
1547585	<b>280402</b>	complete ready for use, with bending tool No. 280111, pump, electro-hydraulic, 230 V, No. 254651, base plate with tripod No. 280210	126.9





**280**

**ECCENTRIC ANGLE BENDER 120 mm working height**

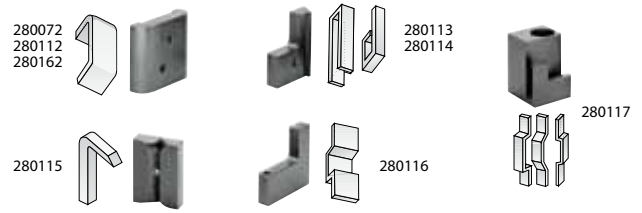
- ✔ For bends up to 110°
- ✔ For round, flat and angled stocks in steel, copper or aluminium
- ✔ Bending tools with one sharp and one rounded edge  $r = 4\text{ mm}$
- ✔ In various designs:
- ✔ **Manual:** Tabletop unit to be mounted on a workbench
- ✔ **Manual-hydraulic:** Equipment mounted on installation tripod, delivery in assembly case
- ✔ **Electro-hydraulic:** Equipment mounted on installation tripod, with electrical limiter, delivery in assembly case



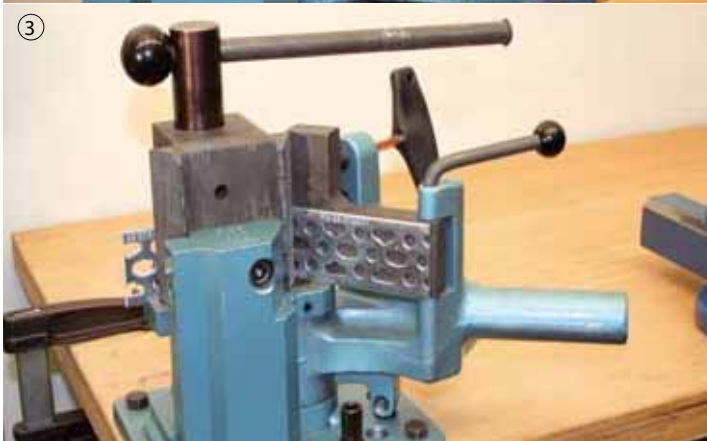
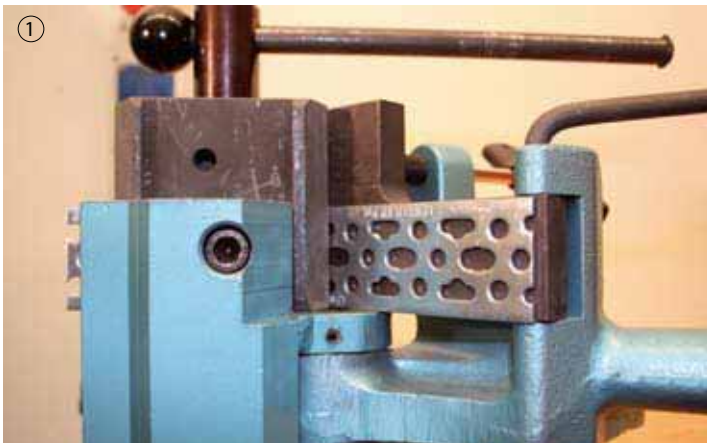
Code	No.	Included in delivery	
4606130	<b>280120</b>	complete ready for use, with bending tool No. 280161, manual	27.9
4645620	<b>280420</b>	complete ready for use, with bending tool No. 280161, pump, manual-hydraulic, No. 254200, base plate with tripod No. 280210	103.8
4645700	<b>280421</b>	complete ready for use, with bending tool No. 280161, pump, electro-hydraulic, 380-415 V, No. 254601, base plate with tripod No. 280210	128.3
1544950	<b>280422</b>	complete ready for use, with bending tool No. 280161, pump, electro-hydraulic, 230 V, No. 254651, base plate with tripod No. 280210	128.3

**E 280**

**PARTS**



Code	No.	Description	Working height			
4606210	<b>280130</b>	Length stop	70-120	0.7	1	
4605240	<b>280071</b>	Standard bending tool, sharp-edged / $r = 4\text{ mm}$	70	1.0	1	
4605400	<b>280111</b>	Standard bending tool, sharp-edged / $r = 4\text{ mm}$	100	1.5	1	
4645030	<b>280161</b>	Standard bending tool, sharp-edged / $r = 4\text{ mm}$	120	1.8	1	
4605320	<b>280072</b>	Radiused bending tool $r = 15\text{ mm} / r = 25\text{ mm}$	70	1.1	1	
4605590	<b>280112</b>	Radiused bending tool $r = 15\text{ mm} / r = 25\text{ mm}$	100	1.6	1	
4645110	<b>280162</b>	Radiused bending tool $r = 15\text{ mm} / r = 25\text{ mm}$	120	2.0	1	
4605670	<b>280113</b>	Bending tool for producing saddles and rectangular bends, for low material thicknesses, sharp-edged	100	0.9	1	
4605750	<b>280114</b>	Bending tool for producing saddles and rectangular bends, for greater material thicknesses, $r = 4\text{ mm}$	100	0.9	1	
4605830	<b>280115</b>	Bending tool for making diamond bends	100	0.7	1	
4605910	<b>280116</b>	Bending tool for high saddles (use only in connection with no. 280113 + 280114)	100	1.2	1	
4606050	<b>280117</b>	Offset block for narrow saddles	100	2.4	1	
4644810	<b>280110</b>	Modification set for 100 mm working height (includes no. 280111)	70-120	7.5	1	
4645380	<b>280174</b>	Modification set for 120 mm working height (includes no. 280114)	70-100	9.0	1	
4606560	<b>280210</b>	Base plate with stand (use only in connection with no. 254200, 254600 or 254650)	70-120	42.4	1	
4719090	<b>268230</b>	Bending lever extension, 740 mm long	70-120	3.5	1	
4584810	<b>254200</b>	Pump, manual-hydraulic, 100 kN pressure	70-120	21.5	1	
1599984	<b>254601</b>	Pump 2" 380-415 V with electrical limiter	40.0	1		
1599992	<b>254651</b>	Pump 2" 230 V with electrical limiter	40.0	1		
2009544	<b>280250</b>	Angle for vice fixture		3.3	1	





## RING BENDING MACHINE

### max. bending capacities 285

Referring to dimensions of ST37 material up to strength 400 N/mm<sup>2</sup> (SI-unit).

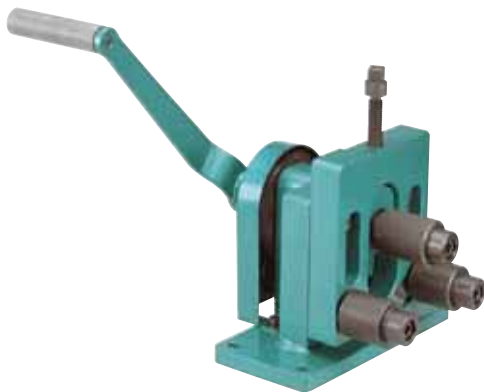
Flat bar.....	50 x 6 mm
Flat bar, vertical*).....	20 x 5 mm
Square iron*).....	13 x 13 mm
Round bar*).....	15 mm
Angled sections*).....	20 x 20 x 3 mm
T-iron*).....	20 x 20 x 3 mm
U-iron*).....	30 x 15 x 2 mm
Pipes*).....	6 x 1,0 upto 18 x 1,5 mm

\*) Please note:  
Special bending tools are required - see "E 285 Parts".

## 285

### RING BENDING MACHINE

- ▶ Manual 3-roller ring bending machine
- ▶ Vertical operation
- ▶ Tabletop unit with upper roller drive
- ▶ Standard roller set for flat and square stock included
- ▶ With two speeds



Code	No.	mm	kg
4606800	<b>285000</b>	30.6	

## E 285

### PARTS



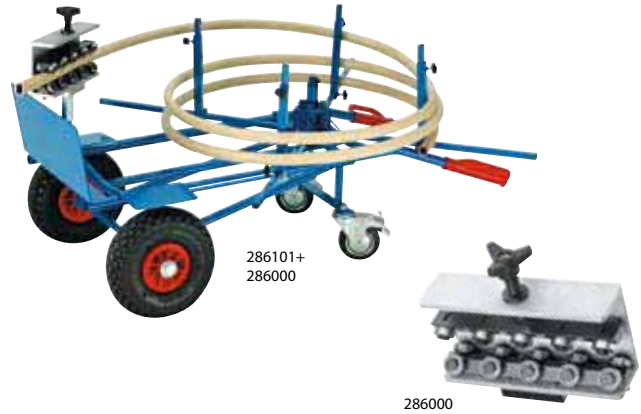
Code	No.	mm	kg	U
4606990	<b>285001</b>	1.5	1	
2-piece upper roller for shaping L and T sections, with leg inside				
4607020	<b>285002</b>	2.7	1	
Set 2-piece lower rollers for shaping vertical flat stock, L and T sections, with leg outside				
4607100	<b>285006</b>	2.0	1	
1 set rollers for shaping tubes 6x1 mm (1 upper drive roller, 2 lower rollers)				
4607290	<b>285008</b>	2.0	1	
1 set rollers for shaping tubes 8x1 mm (1 upper drive roller, 2 lower rollers)				
4607370	<b>285010</b>	1.9	1	
1 set rollers for shaping tubes 10x1 mm (1 upper drive roller, 2 lower rollers)				
4607450	<b>285012</b>	1.9	1	
1 set rollers for shaping tubes 12x1 mm (1 upper drive roller, 2 lower rollers)				
4607530	<b>285014</b>	1.8	1	
1 set rollers for shaping tubes 14x1 mm (1 upper drive roller, 2 lower rollers)				
4607610	<b>285015</b>	1.8	1	
1 set rollers for shaping tubes 15x1 mm (1 upper drive roller, 2 lower rollers)				
4607880	<b>285016</b>	1.7	1	
1 set rollers for shaping tubes 16x1 mm (1 upper drive roller, 2 lower rollers)				
4607960	<b>285018</b>	1.7	1	
1 set rollers for shaping tubes 18x1.5 mm (1 upper drive roller, 2 lower rollers)				
2009552	<b>285250</b>	3.3	1	U
Angle for vice fixture				

## PIPE STRAIGHTENING TOOL

### 286

#### PIPE STRAIGHTENING TOOL

- ▶ From 14 to 26 mm Ø
- ▶ For multi-layer composite pipes (MSR) and soft copper pipes
- ▶ For use in a vice or in connection with pivoted and mobile coil reel
- ▶ Coil reel suitable for pipe coils from 220 to 1100 mm Ø, maximum pipe-coil height 400 mm



Code	No.	kg
1523066	<b>286000</b>	2.5
Pipe straightening tool, without coil reel		
1531123	<b>286101</b>	22.5
Coil reel, mobile, without straightening tool		

## SEAMING PLIERS

- ▶ Sheet metal crimping and punch pliers are listed up from page 278



## 303

### UNIVERSAL SEAMING PLIERS

- ▶ Forged
- ▶ Jaw angle adjustable in six steps from 0-90°
- ▶ Jaws exchangeable
- ▶ Jaw width 60 mm



Code	No.	mm	kg	U
4508470	<b>303060</b>	265	785	1
Universal seaming pliers				
4608850	<b>303160</b>	275	1	
Set of jaws				

## 304

### SEAMING PLIERS

- ▶ Forged
- ▶ Straight
- ▶ Jaw width 60 mm



Code	No.	mm	kg	U
4508550	<b>304060</b>	265	590	1

## 305

### SEAMING PLIERS

- ▶ Forged
- ▶ Bent pattern, bending angle 45°
- ▶ Jaw width 60 mm



Code	No.	mm	kg	U
4508630	<b>305060</b>	265	630	1





**INSTALLATION TOOLS**

**310**

**VALVE HOLDER VENTI-GRIP®**

- ▶ Forged
- ▶ Plumbing tool for holding the valve when tightening and slackening the swivel nut
- ▶ Applicable on sink units, bathtubs, toilet cisterns, etc.
- ▶ With straight handle





Code	No.	Size		
4540010	<b>310001</b> Size 1	1-1.1/4	395	1
4540280	<b>310002</b> Size 2	1.1/4-1.3/4	670	1
4609070	<b>310101</b> Spare expander size 1		25	1
4609150	<b>310102</b> Spare expander size 2		50	1

**311**

**VALVE HOLDER VENTI-GRIP®**

- ▶ Forged
- ▶ Plumbing tool for holding the valve when tightening and slackening the swivel nut
- ▶ Applicable on sink units, bathtubs, toilet cisterns, etc.
- ▶ With offset handle





Code	No.	Size		
4534980	<b>311001</b> Size 1	1-1.1/4	340	1
4508710	<b>311002</b> Size 2	1.1/4-1.3/4	665	1
4609070	<b>310101</b> Spare expander size 1		25	1
4609150	<b>310102</b> Spare expander size 2		50	1

**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



Code	No.	Size		
4508980	<b>312000</b>	120	260	1





**314**

**CORNER VALVE SOCKET WRENCH**

- ▶ Chrome-vanadium steel
- ▶ For surface-protective assembling of all usual corner valves
- ▶ With chamfered driving edges
- ▶ 1/2" internal square drive

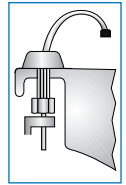




Code	No.	Size		
1147471	<b>314000</b>	82	150	1

**315**

**BASIN PLIERS**

- ▶ Hot forged
- ▶ Applicable from size 13 to 36 mm

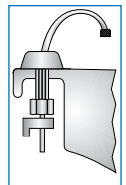




Code	No.	Size		
4509010	<b>315000</b>	270	565	1

**316**

**BASIN WRENCH**

- ▶ Chrome-vanadium steel
- ▶ With pivoted hook for right or left hand operation
- ▶ Applicable up to size 36 mm

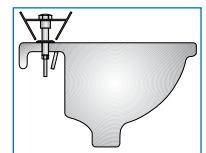




Code	No.	Size		
4509280	<b>316000</b> Basin wrench	235	500	1
4609230	<b>316100</b> Spare hook with spring and bolt		65	1

**3165**

**BASIN WRENCH**

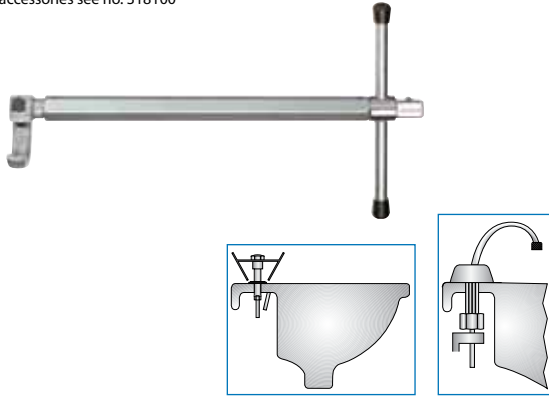
- ▶ For single lever taps
- ▶ With 13 mm hexagon drive
- ▶ With adaptors for 10, 11, 14 mm



Code	No.	Size		
4624110	<b>316500</b> Basin wrench	260	300	1
1148141	<b>316501</b> Adaptor 10 mm		15	1
1148168	<b>316502</b> Adaptor 11 mm		15	1
1148176	<b>316503</b> Adaptor 14 mm		15	1

**3166****UNIVERSAL BASIN WRENCH**

- Suitable for many purposes, with hexagon tube size 13 mm for single lever taps
- Pawl for use up to size 36 mm
- Adaptor with cross handle and 1/2" square drive
- For further accessories see no. 318100



Code	No.				
4645970	<b>316600</b>			450	1
1 hexagon tube 13 mm Ø, 240 mm, No. 316601					
1 cross handle adaptor with 1/2" square drive No. 316603					
1 cross handle No. 316604					
1 pawl 36 mm Ø No. 316602					

**3170****INSTALLATION WRENCH**

- For bathroom fittings attachment (stud screws)
- Size 17x19 mm



Code	No.	Size	↳mm↳		
4509360	<b>317000</b>	M10, 17x19 mm	220	260	1
4609310	<b>317012</b>	M12, 17x19 mm	220	315	1

**3171****STUD SCREW WRENCH**

- For bathroom fittings attachment (stud screws)
- With pivotable thread insert
- Sizes M6, M8, M10, M12



Code	No.	↳mm↳		
4509440	<b>317100</b>	220	300	1

**3173****STUD SCREW INSERTER**

- For the fast and easy insertion and removal of studs, bolts, etc.
- With exchangeable hexagon drive



Code	No.			
1523171	<b>317306</b>		130	1
with hexagon drive, M6				
1523198	<b>317308</b>		130	1
with hexagon drive, M8				
1523201	<b>317310</b>		130	1
with hexagon drive, M10				
1523228	<b>317312</b>		130	1
with hexagon drive, M12				

**3174****STUD SCREW INSERTER**

- For the fast and easy insertion and removal of studs, bolts, etc.
- With SDS-plus holder



Code	No.			
1523236	<b>317406</b>		130	1
with SDS-plus holder, M6				
1523244	<b>317408</b>		130	1
with SDS-plus holder, M8				
1523252	<b>317410</b>		130	1
with SDS-plus holder, M10				
1523260	<b>317412</b>		130	1
with SDS-plus holder, M12				

**3175****INSTALLATION WRENCH**

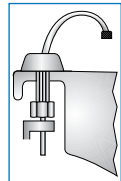
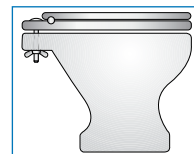
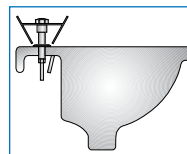
- For bathroom fittings attachment (stud screws) M10 or M12 and corner valves
- With reversible ratchet ring wrench size 17 or 19 mm and open ended spanner size 19 mm with special jaw design and thread to take stud screws M10 or M12
- Chrome-vanadium steel



Code	No.	Size	↳mm↳		
4509520	<b>317500</b>	M10, size 17x19 mm	235	270	1
4609580	<b>317512</b>	M12, size 19x19 mm	235	260	1

**3181****SANITARY INSTALLATION SET**

- Can be used for nearly all works in the bathroom
- Contains the most common tools used when installing taps of all usual models, corner valves, washbasin mountings or fittings, water connections, toilet seat fittings, etc.
- Delivery in sheet steel case no. 318190

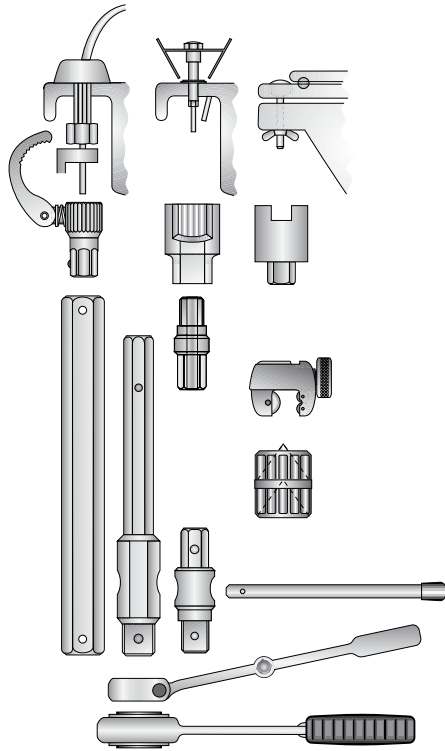


Code	No.			
4722710	<b>318100</b>		2.760	1
1 basin wrench No. 316600				
1 hexagon extension 90 mm No. 316606				
1 socket wrench 10 mm No. 316608				
1 socket wrench 11 mm No. 316609				
1 socket wrench 14 mm No. 316610				
1 adaptor for socket wrenches 1/2" No. 316605				
1 insertion hook for toilet seat fittings No. 316607				
1 ratchet 1/2" No. 380200				
1 coupler 1/2" No. 380210				
1 installation wrench No. 317500				
1 miniature pipe cutter 4-16 mm No. 231000				
1 pipe deburring reamer 4-32 mm No. 232001				



**E 318**

**PARTS**



Code	No.	mm	mm	mm	mm
4698310	<b>316601</b>	190			1
	Hexagon tube 13 mm Ø, 240 mm				
4721740	<b>316602</b>	115			1
	Pawl 13 mm Ø				
4721820	<b>316603</b>	75			1
	Cross handle adaptor with 1/2" square drive				
4721900	<b>316604</b>	90			1
	Cross handle				
4722040	<b>316605</b>	50			1
	Adaptor for socket wrenches 1/2"				
4722120	<b>316606</b>	220			1
	Hexagon extension 90 mm				
4722200	<b>316607</b>	125			1
	Insertion hook for toilet seat fittings				
4722390	<b>316608</b>	55			1
	Socket wrench 10 mm				
4722470	<b>316609</b>	55			1
	Socket wrench 11 mm				
4722550	<b>316610</b>	60			1
	Socket wrench 14 mm				
4513120	<b>380200</b>	420			1
	Ratchet 1/2"				
1469029	<b>380210</b>	46			1
	Square connector 1/2"				
4509520	<b>317500</b>	270			1
	Installation wrench M10, 17x19 mm				
4504560	<b>231000</b>	125			1
	Pipe cutter MINI-QUICK, 4-16 mm				
1439510	<b>232001</b>	30			1
	Pipe deburring reamer				
4722980	<b>318190</b>	920			1
	Sheet steel case				

**320**

**WRENCH FOR PLUMBING FITTINGS**

- With exchangeable plastic jaws No. 320100
- For nickel-plated and chrome-plated fittings
- Chrome-vanadium steel

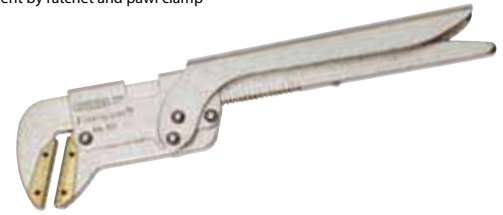


Code	No.	mm	mm	mm	mm
4509600	<b>320000</b>	65	275	720	1
4540520	<b>320100</b>			10	1

**321**

**QUICK-CLAMP FITTINGS WRENCH FIXO-SPANN®**

- With exchangeable protective brass jaws No. 321100
- For nickel-plated and chrome-plated fittings
- Chrome-manganese steel
- Quick adjustment by ratchet and pawl clamp

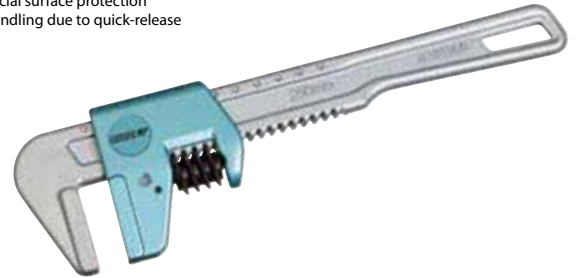


Code	No.	mm	mm	mm	mm
4509790	<b>321000</b>	65	290	790	1
4540600	<b>321100</b>			25	1

**322**

**PLUMBING WRENCH**

- Forged from high-quality aluminium
- For special surface protection
- Easy handling due to quick-release



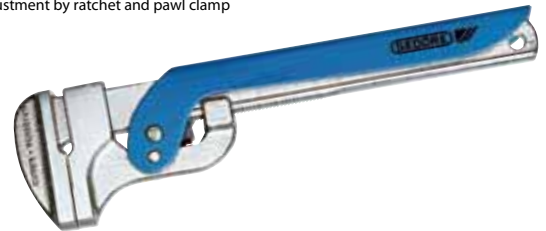
Code	No.	mm	mm	mm	mm
1949802	<b>322000</b>	73	260	260	1



**324**

**QUICK-CLAMP WRENCH**

- Chrome-vanadium steel
- Quick adjustment by ratchet and pawl clamp



Code	No.	mm	mm	mm	mm
4624970	<b>324000</b>	60	250	640	1

**328**

**GRIP WRENCH**

- In malleable cast iron
- With exchangeable special plastic jaws No. 328100
- For secure, damage-free gripping and holding of pipes



Code	No.	mm	mm	mm	mm
4510100	<b>328000</b>	16-50	300	615	1
4609660	<b>328100</b>			30	1

**329****SPECIAL SIPHON PLIERS**

- For tightening and removing screwed PVC pipe joints with round union nuts
- With lap joint and three locking positions
- No. 329001 with plastic jaws for special surface protection



Code	No.	Ø mm	l-mm	l	l	l
4510290	<b>329000</b>	20-65	230	300	1	
1984381	<b>329001</b>	20-65	230	300	1	

**340****GUTTER BENDING PLIERS**

- Open pattern
- With adjustment screw
- With strong tube handles



Code	No.	for gutters	l-mm	l	l
4510530	<b>340006</b>	6 x 40	640	3.080	1
4510610	<b>340008</b>	8 x 40	640	3.250	1

**365****TAP RESEATING TOOL**

- Cylindrical pattern
- For the plane milling of leaky water-tap valves up to 1" without removing the tap



Code	No.	l	l
4511340	<b>365001</b>	330	1
Basic tool, flat mills 3/8", 1/2", 3/4"			
4511420	<b>365002</b>	360	1
Basic tool, flat mills 3/8", 1/2", 3/4", 1"			
4540870	<b>365005</b>	505	1
Basic tool, flat mills 3/8", 1/2", 3/4" in plastic case			
4540950	<b>365006</b>	535	1
Basic tool, flat mills 3/8", 1/2", 3/4", 1" in plastic case			

**E 365****PARTS**

Code	No.	l	l
4610160	<b>365100</b>	300	1
Basic tool, without mills and plastic case			
4610240	<b>365101</b>	5	1
Flat mill 1/4"			
4610320	<b>365103</b>	5	1
Flat mill 3/8"			
4610400	<b>365105</b>	5	1
Flat mill 1/2"			
4610590	<b>365107</b>	15	1
Flat mill 3/4"			
4625270	<b>365110</b>	25	1
Flat mill 1"			
4610080	<b>365090</b>	205	1
Plastic case			

**369****ANGLE REAMER**

- Four- and five-edged, for reaming holes in sheet metal
- Also suitable for producing measurement openings for exhaust gas analysis
- Round shaft



Code	No.	l-mm	l	l
4511500	<b>369000</b>	150	170	5

Saws are listed up from page 284

**373****BORDERING PLIERS FOR WELDERS**

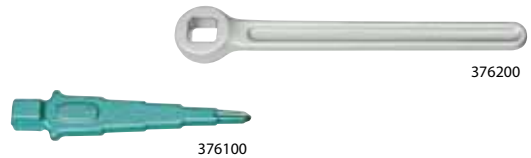
- For making fillets on welding edges on pipe joints
- Adjustable in 5 steps from 0°-180°



Code	No.	mm	mm	l-mm	l	l
4611050	<b>373001</b>	5.5	20	290	475	1
4511770	<b>373002</b>	6.0	30	300	550	1

**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



Code	No.	l	l
4512580	<b>376000</b>	630	1
Stepped key with handle			
4541250	<b>376100</b>	245	1
Stepped keys 3/8", 1/2", 3/4", 1", 1.1/4", enamelled blue			
4541330	<b>376200</b>	385	1
Handle with 18 mm square, 240 mm long, galvanized			







**377**

**STEPPED KEY**

- With tommy bar
- For nipples 3/8" and 1/2"





Code	No.		
4512660	<b>377000</b>	190	1

**3785**

**PLUMBER'S WRENCH**

- With 14 functions for tap extensions 3/8", 1/2", 3/4", 1"
- 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

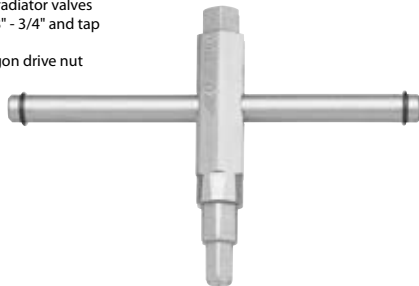




Code	No.	$\pm$ mm		
4512820	<b>378500</b>	220 x 220	670	1

**379**

**COMBINATION STEPPED KEY**

- With tommy bar, for nipples 3/8", 1/2" and 3/4", for the installation and removal of radiator valves
- For runback screwed unions 3/8" - 3/4" and tap extensions
- With pin, hexagon and bi-hexagon drive nut

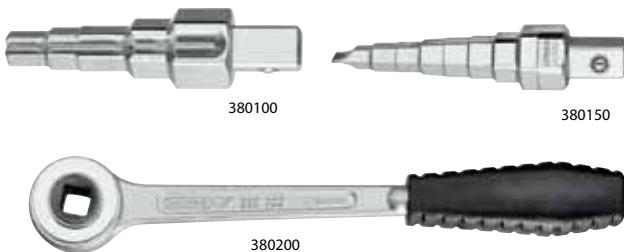




Code	No.		
4541410	<b>379100</b>	220	1

**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





Code	No.		
4512900	<b>380000</b> Combi-stepped key No. 380100 with ratchet 1/2" No. 380200	555	1
4630940	<b>380001</b> Combi-stepped key No. 380150 with ratchet 1/2" No. 380200	555	1
4513040	<b>380100</b> Combi-stepped key with 5 steps	135	1
4611130	<b>380150</b> Combi-stepped key with 10 steps	135	1
4513120	<b>380200</b> Ratchet 1/2"	420	1

**3805**

**COMBINATION STEPPED KEY**

- For gas and water pipe screw connections with pin, hexagon and bi-hexagon nut drive
- 1/2" square drive



Code	No.		
4611480	<b>380501</b> Combi-stepped key 3/8" - 1/2"	80	1
4545910	<b>380502</b> Combi-stepped key 1/2" - 1"	180	1



**SHEET METAL FORMING TOOLS**

**384**

**SINGLE PUNCH**

- With 3 cutting edges
- For sheet metal up to 1.5 mm thickness, VA sheet up to 1.2 mm thickness
- Chrome-alloyed stainless steel





Code	No.	$\varnothing$ mm		
4513470	<b>384035</b> Single punch	35	270	1
4513550	<b>384042</b> Single punch	42	400	1
4541760	<b>384052</b> Spare nut M12 for 35+42 mm	70	1	

**385**

**DOUBLE PUNCH**

- With 3 cutting edges
- Size 28 x 33 mm
- For sheet metal up to 1.5 mm thickness, VA sheet up to 1.2 mm thickness
- Chrome-alloyed stainless steel



Code	No.		
4513630	<b>385007</b> Double punch	460	1
4611640	<b>385107</b> Punching die	240	1
4611720	<b>385207</b> Punch	125	1
4541840	<b>385300</b> Collared screw M10	70	1

Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)





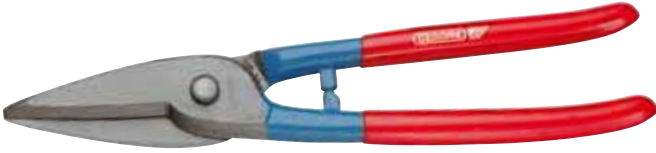


## TIN SNIPS

### 420

#### TIN SNIPS

- ▶ Right hand cutting
- ▶ For long straight cuts
- ▶ Berlin pattern
- ▶ Ground cutting edges



Code	No.	↳mm↳	↕	📦
4513710	<b>420020</b>	225	440	1
4513980	<b>420025</b>	250	440	1
4514010	<b>420030</b>	300	710	1



### 421

#### SOLE CUTTING SNIPS

- ▶ For short straight and figure cuts (great radii)
- ▶ Ground cutting edges



Code	No.	↳mm↳	↕	📦
4514280	<b>421025</b> right hand cutting	250	510	1
4514360	<b>421027</b> right hand cutting	275	520	1
4514440	<b>421030</b> right hand cutting	300	630	1
4514520	<b>421125</b> left hand cutting	250	510	1
4514600	<b>421127</b> left hand cutting	275	520	1
4514790	<b>421130</b> left hand cutting	300	630	1

### 422

#### IDEAL PATTERN SNIPS

- ▶ For straight continuous and figure cuts
- ▶ Ground cutting edges



Code	No.	↳mm↳	↕	📦
4514870	<b>422026</b> right hand cutting	260	510	1
4514950	<b>422028</b> right hand cutting	280	630	1
4515090	<b>422126</b> left hand cutting	260	520	1
4515170	<b>422128</b> left hand cutting	280	630	1

### 423

#### PELICAN PATTERN SNIPS

- ▶ Right hand cutting
- ▶ For long straight continuous and figure cuts
- ▶ Ground cutting edges



Code	No.	↳mm↳	↕	📦
4515250	<b>423030</b>	300	730	1
4515330	<b>423035</b>	350	730	1

### 8531

#### TIN SNIPS English pattern

- ▶ Left hand cutting
- ▶ With special, strong cutting edges
- ▶ Ground cutting edges, handles blue epoxy coated



Code	No.	↳mm↳	↕	📦
6757840	<b>8531 8</b>	200	260	1
6757920	<b>8531 10</b>	250	470	1
6758060	<b>8531 12</b>	300	650	1

### 424

#### IDEAL PATTERN SNIPS

- ▶ For straight continuous and figure cuts
- ▶ With lever action
- ▶ Self-opening with installed spring, with lock
- ▶ Ground cutting edges



Code	No.	↳mm↳	↕	📦
4515410	<b>424026</b> right hand cutting	260	530	1
4515680	<b>424126</b> left hand cutting	260	520	1







**8524 SS**

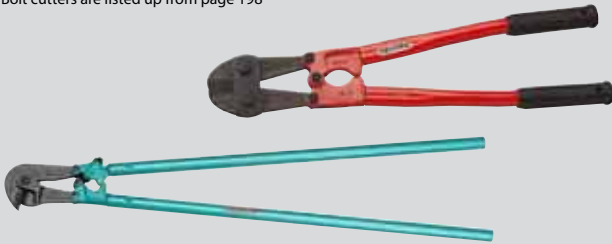
**HEAVY-DUTY IDEAL PATTERN SNIPS**

- ✔ For straight continuous and figure cuts
- ✔ With lever action
- ✔ Right hand cutting
- ✔ Self-opening with installed spring, with lock
- ✔ Wear-resistant, extra hard
- ✔ Ground cutting edges
- ✔ Sheet thickness max. 1 mm (at 400 N/mm<sup>2</sup>)



Code	No.	(=mm=)		
6756520	<b>8524 SS</b>	260	520	1

✔ Bolt cutters are listed up from page 198





**425**

**FIGURE SNIPS**

- ✔ For straight continuous and figure cuts
- ✔ With lever action
- ✔ Self-opening with installed spring, with lock
- ✔ Ground cutting edges





Code	No.	(=mm=)		
4515760	<b>425026</b>	260	480	1
	right hand cutting			
4515840	<b>425126</b>	260	480	1
	left hand cutting			

**8526 SS**

**HEAVY-DUTY FIGURE SNIPS**

- ✔ For straight continuous and figure cuts
- ✔ With lever action
- ✔ Right hand cutting
- ✔ Self-opening with installed spring, with lock
- ✔ Wear-resistant, extra hard
- ✔ Ground cutting edges
- ✔ Sheet thickness max. 1 mm (at 400 N/mm<sup>2</sup>)





Code	No.	(=mm=)		
6756950	<b>8526 SS</b>	260	480	1

**E 424**

**REPAIR SET**

- ✔ For no. 424, 425 8524 SS and 8526 SS
- ✔ Repair set comprising: locking unit complete, spare spring and screw



Code	No.		
1464728	<b>424027</b>	10	1

**426**

**NIBBLER**

- ✔ For cutting sheet metal up to 1.2 mm and plastics up to 2.0 mm
- ✔ With replaceable cutting jaws

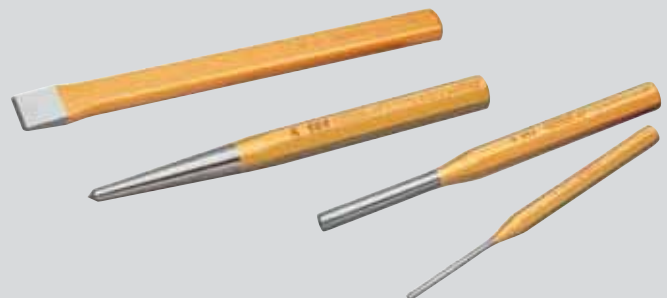


Code	No.	(=mm=)		
4515920	<b>426026</b>	265	480	1
	Nibbler			
4612020	<b>426027</b>		15	1
	Spare knife			
4612100	<b>426028</b>		40	1
	Spare jaw			
4612290	<b>426029</b>		5	1
	Spare spring			
4612370	<b>426030</b>		5	1
	Spare nuts set			

✔ Our extensive range of scrapers is listed up from page 400



✔ Our extensive range of chisels, drift and pin punches is listed up from page 401



Deviant packing units see article description.





## 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



Code	No.	Ø mm	Ø inch	↕	📦
4542300	<b>570002</b>	2	1/16	45	5
4542490	<b>570003</b>	3	1/8	45	5
4542570	<b>570004</b>	4	5/32	50	5
4542650	<b>570005</b>	5	3/16	70	5
4542730	<b>570006</b>	6	1/4	70	5
4542810	<b>570007</b>	7		90	5
4543030	<b>570008</b>	8	5/16	90	5
4543110	<b>570009</b>	9	11/32	90	5
4543380	<b>570010</b>	10	3/8	125	5
4543460	<b>570011</b>	11	7/16	130	5
4543540	<b>570012</b>	12	15/32	130	5
4543620	<b>570013</b>	13	1/2	165	5
4626590	<b>570014</b>	14	9/16	170	5
4543890	<b>570015</b>	15	19/32	180	5
4543970	<b>570016</b>	16	5/8	180	5
4544000	<b>570017</b>	17	21/32	230	5
4544190	<b>570018</b>	18	11/16	230	5
4544270	<b>570019</b>	19	3/4	240	5
4544350	<b>570020</b>	20	25/32	315	5
4546560	<b>570021</b>	21	13/16	315	1
4545670	<b>570022</b>	22	7/8	320	1
4545750	<b>570023</b>	23	29/32	375	1
4540440	<b>570024</b>	24	15/16	375	1
4618300	<b>570025</b>	25	1	400	1
4618490	<b>570026</b>	26	1.1/32	375	1
4618570	<b>570027</b>	27	1.1/16	475	1
4618650	<b>570028</b>	28	1.3/32	500	1
4618730	<b>570029</b>	29	1.1/8	450	1
4618810	<b>570030</b>	30	1.3/16	590	1
4619030	<b>570031</b>	31		580	1
4619110	<b>570032</b>	32	1.1/4	580	1
4619380	<b>570033</b>	33		660	1
4619460	<b>570034</b>	34	1.5/16	675	1
4619540	<b>570035</b>	35	1.3/8	690	1
4619620	<b>570036</b>	36		700	1
4619700	<b>570037</b>	37	1.7/16	700	1
4619890	<b>570038</b>	38	1.1/2	770	1
4619970	<b>570039</b>	39		770	1
4620040	<b>570040</b>	40	1.9/16	860	1
4620120	<b>570041</b>	41	1.5/8	860	1
4620200	<b>570042</b>	42		970	1
4620390	<b>570043</b>	43	1.11/16	980	1
4620470	<b>570044</b>	44		980	1
4620550	<b>570045</b>	45	1.3/4	1020	1
4620630	<b>570046</b>	46	1.13/16	1110	1
4620710	<b>570047</b>	47	1.7/8	1180	1
4620980	<b>570048</b>	48		1180	1

Code	No.	Ø mm	Ø inch	↕	📦
4621010	<b>570049</b>	49	1.15/16	1190	1
4621280	<b>570050</b>	50		1200	1
4621360	<b>570055</b>	55		1850	1
4621440	<b>570056</b>	56	2.3/16	1850	1
4621520	<b>570058</b>	58	2.1/4	2000	1
4621600	<b>570059</b>	59	2.5/16	2000	1
4621790	<b>570060</b>	60		2000	1
4621870	<b>570064</b>	64	2.1/2	2250	1
4621950	<b>570065</b>	65		2250	1
4622090	<b>570070</b>	70	2.3/4	4000	1
4622170	<b>570075</b>	75		4400	1
4622250	<b>570080</b>	80	3.1/4	4400	1
4622330	<b>570090</b>	90		5300	1
4622410	<b>570100</b>	100	4	8700	1

### 5703

#### SET OF ARC PUNCHES

- In plastic wallet no. 570390



Code	No.	↕	📦
1549472	<b>570300</b> 7 pieces, consisting of 1 piece each Arc punch 3, 5, 7, 8, 10, 11 and 13 mm	830	1
1549480	<b>570301</b> 8 pieces, consisting of 1 piece each Arc punch 3, 5, 7, 8, 10, 13, 16 and 19 mm	1120	1
1549499	<b>570302</b> 9 pieces, consisting of 1 piece each Arc punch 3, 5, 7, 8, 10, 13, 16, 19 and 20 mm	1450	1
1549502	<b>570303</b> 10 pieces, consisting of 1 piece each Arc punch 3, 5, 7, 8, 10, 13, 16, 19, 22 and 25 mm	1850	1
1549510	<b>570304</b> 8 pieces, consisting of 1 piece each Arc punch 3, 6, 8, 10, 12, 16, 20 and 25 mm	1470	1
1549758	<b>570390</b> Plastic wallet, empty	110	1

## PIPE CLEANING TOOLS

### 840

#### FLEXIBLE PIPE CLEANING SHAFT

- For sink lines, drains, narrow pipes, etc.
- Hot-dip galvanised spring-steel wire
- Wound in 2 layers
- With adjustable handle
- 2-blade claw



Code	No.	Ø mm	Length m	for pipe Ø	↕	📦
4647910	<b>840703</b>	7	3.0	20-40	1.0	1
4657980	<b>840705</b>	7	5.0	20-40	1.3	1
4658010	<b>840805</b>	8	5.0	30-50	1.7	1
4648050	<b>840807</b>	8	7.5	30-50	2.5	1





**841**

**FLEXIBLE PIPE CLEANING SHAFT**

- ✔ For normal drain pipes
- ✔ Hot-dip galvanised spring-steel wire
- ✔ Wound in 2 layers
- ✔ With replaceable crank
- ✔ 3-blade claw
- ✔ May also be used with extension shafts no. 842





Code	No.	Ø mm	Length m	for pipe Ø		
4648130	<b>841005</b>	10	5	50-70	3.1	1
4652160	<b>841010</b>	10	10	50-70	5.4	1
4658280	<b>841205</b>	12	5	60-100	4.5	1
4652240	<b>841210</b>	12	10	60-100	8.1	1
4648210	<b>841510</b>	15	10	100-200	11.0	1

**842**

**EXTENSION SHAFT**

- ✔ With coupling
- ✔ For pipe cleaning shafts no. 841





Code	No.	Ø mm	Length m	for pipe Ø		
4648480	<b>842005</b>	10	5	50-70	2.8	1
4652320	<b>842205</b>	12	5	60-100	4.2	1
4648560	<b>842505</b>	15	5	100-200	5.5	1

**860**

**HAND-TURNED PLUMBER'S SNAKE**

- ✔ For drain pipes up to 50 mm Ø
- ✔ In rust-resistant sheet steel drum, with hand crank and quick-action chuck
- ✔ With Flexikern®-shaft drain sieve head





Code	No.	Ø mm	Length m	for pipe Ø up to		
1467166	<b>860100</b>	7	7.5	50	3.2	1

**E 860**

**PARTS**





Code	No.	Description		
1467174	<b>860900</b>	Flexikern®-shaft 7 mm x 7,5 m with drain sieve head	1800	1
1467182	<b>860902</b>	Spare drain sieve head	40	1

**861**

**HAND-TURNED PLUMBER'S SNAKE**

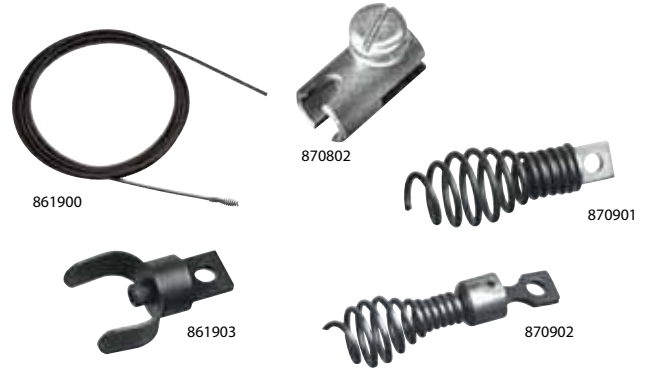
- ✔ For drain pipes up to 75 mm Ø
- ✔ In rust-resistant sheet steel drum, with hand crank and quick-action chuck
- ✔ With Flexikern®-shaft including interchangeable drill head





Code	No.	Ø mm	Length m	for pipe Ø up to		
1467190	<b>861000</b>	10	7.5	75	4.3	1

**E 861**

**PARTS**





Code	No.	Description		
1467204	<b>861900</b>	Flexikern®-shaft 10 mm x 7,5 m with coupling	2860	1
1467239	<b>870802</b>	Coupling for shafts 10 mm	20	1
1467247	<b>870901</b>	Drilling head 30 mm	50	1
1467255	<b>870902</b>	Swivel drilling head 25 mm	40	1
1467263	<b>870903</b>	Fork drilling head 40 mm	50	1

**870**

**DRAIN PIPE CLEANER**

- ✔ For drain pipes up to 50 or 75 mm Ø
- ✔ Compact design with 5 different cleaning heads
- ✔ Shafts 8 and 10 mm interchangeable without disassembling
- ✔ Optional available with plastic case





Code	No.	Ø mm	Length m	for pipe Ø		
1467271	<b>870080</b>	8	7.5	40-50	11.9	1
1467298	<b>870100</b>	10	10.5	50-75	13.6	1

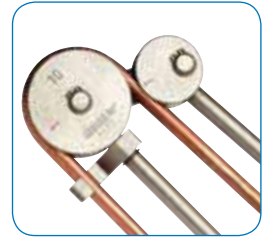
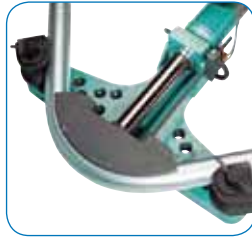
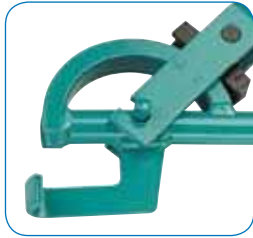
**E 870**

**PARTS**



Code	No.	Description		
1467301	<b>870608</b>	Flexikern®-shaft 8 mm x 7,5 m with coupling	2000	1
1467328	<b>870611</b>	Flexikern®-shaft 10 mm x 10,5 m with coupling	3800	1
1467336	<b>870801</b>	Coupling for shafts 8 mm	22	1
1467239	<b>870802</b>	Coupling for shafts 10 mm	20	1
1467247	<b>870901</b>	Drilling head 30 mm	50	1
1467255	<b>870902</b>	Swivel drilling head 25 mm	40	1
1467263	<b>870903</b>	Fork drilling head 40 mm	50	1
1467344	<b>870904</b>	Spring milling head 16 mm	50	1
1467352	<b>870905</b>	Cutting knife 30 mm	40	1
1601849	<b>870906</b>	Milling tip 25 mm	40	1
1467816	<b>870090</b>	Plastic case	3100	1

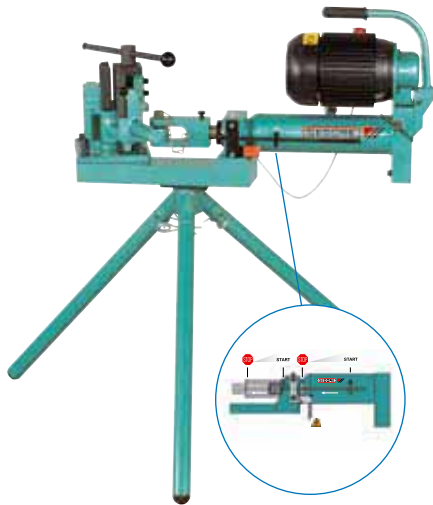




## GEDORE PIPE BENDING SYSTEMS Advantages and benefits

### 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
- ✔ Solving problems is our strength - Please ask us!



Electrical limiter

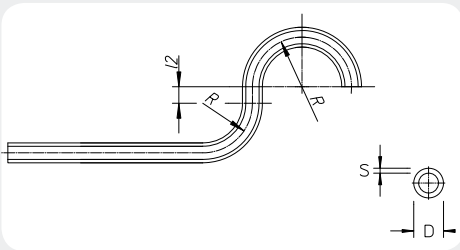


## USEFUL INFORMATION

### 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:**

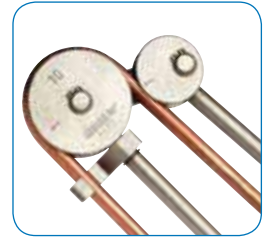
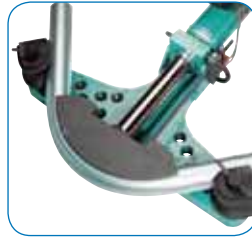
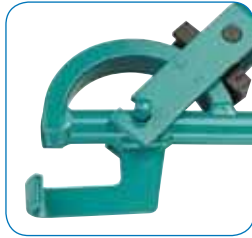
- ✔ The shape of the pipe to be bent (round-section, square-section, etc.)
- ✔ The outside diameter "D" of the pipe
- ✔ The wall thickness "S" of the pipe
- ✔ The pipe grade (e.g. steel, stainless steel, NF metals, etc.)
- ✔ The required bending angle (e.g. 90°, 180° ... etc.)
- ✔ Are bending radii "R" 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.



### We are the specialists!

We will be happy to receive your enquiries at the address below or by e-mail, fax or telephone:

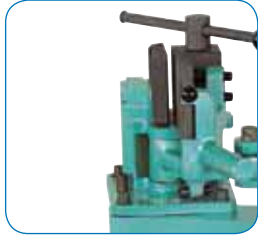
**DAKO Werk Dowidat KG** · Handelsweg 5-11 · 42897 Remscheid · Germany  
Tel. +49 (0) 2191 - 69 70 · Fax +49 (0) 2191 - 66 15 40 · dako@gedore.de



## APPLICATIONS OF THE GEDORE PIPE BENDER

Size	Outer diameter	Wall thickness	No. 240 2405	No. 241	No. 2415	No. 2420 2423 2424 2425	No. 243	No. 244	No. 2454 2455 2456	No. 246	No. 249	No. 250	No. 255 256	No. 257 258	No. 259 260	No. 261	No. 276	No. 278	No. 285
<b>Gas and water pipes DIN 2440</b>																			
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°	90°			180°
1/2"	21,3 mm	2,65 mm								180°			90°	90°	90°	90°			180°
3/4"	26,9 mm	2,65 mm								180°			90°	180°*	90°	90°			180°
1"	33,7 mm	3,25 mm											90°	180°*	90°	90°			
1.1/4"	42,4 mm	3,25 mm											90°	180°*	90°	90°			
1.1/2"	48,3 mm	3,25 mm												180°*	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°			
<b>Gas and water pipes DIN 2441</b>																			
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°	90°			180°
1/2"	21,3 mm	3,25 mm											90°	90°	90°	90°			180°
3/4"	26,9 mm	3,25 mm											90°	180°*	90°	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°			
<b>Pipes for steam systems DIN 2448</b>																			
3/8"	17,2 mm	1,80 mm											90°	90°	90°	90°			180°
1/2"	21,3 mm	2,00 mm											90°	90°	90°	90°			180°
	25,0 mm	2,00 mm											90°	90°	90°	90°			180°
3/4"	26,9 mm	2,30 mm											90°	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°			
	51,0 mm	2,60 mm												90°	90°	90°			
	57,0 mm	2,90 mm													90°	90°			
2"	60,3 mm	2,90 mm													90°	90°			
	63,5 mm	2,90 mm													90°	90°			
	70,0 mm	2,90 mm													90°	90°			
2.1/2"	76,1 mm	2,90 mm													90°	90°			





## APPLICATIONS OF THE GEDORE PIPE BENDER

Size	Outer diameter	Wall thickness	No. 240 2405	No. 241	No. 2415	No. 2420 2423 2424 2425	No. 243	No. 244	No. 2454 2455 2456	No. 246	No. 249	No. 250	No. 255 256	No. 257 258	No. 259 260	No. 261	No. 276	No. 278	No. 285
<b>Electrical installation ducts DIN EN 60423</b>																			
M 12	12,0 mm	1,00 mm									90°	90°	90°	90°	90°	90°	180°		
M 16	16,0 mm	1,00 mm									90°	90°	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°			
<b>Banister-rail tubes</b>																			
3/8"	17,2 mm	1,75 mm									90°	90°	90°	90°	90°	90°	180°		
1/2"	21,3 mm	1,75 mm									90°	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°	90°			
<b>Multi-layer composite pipes</b>																			
	14,0 mm	2,00 mm	180°			90°			90°	180°					90°*	90°*	90°	180°	
	16,0 mm	2,00 mm	180°			90°			90°	180°	90°				90°*	90°*	90°	180°	
	17,0 mm	2,00 mm								180°									
	18,0 mm	2,00 mm	180°			90°			90°	180°	90°				90°*	90°*	90°	180°	
	20,0 mm	2,00 mm	180°			90°			90°	180°	90°	90°			90°*	90°*	90°	180°	
	26,0 mm	3,00 mm							90°	180°								180°	
	32,0 mm	3,00 mm							90°		90°	90°			180°*	90°*	90°	180°	
	40,0 mm	3,50 mm									90°	90°			180°*	90°*	90°		
	50,0 mm	4,00 mm									90°	90°			180°*	90°*	90°		
	63,0 mm	4,50 mm														90°*	90°		
Copper pipes DIN EN 1057 half-hard in mm			12-22*	4,75-12		10-22*	6-16*	10-22		6-28*	12-35	20-28					6-22		6-18*
Copper pipes DIN EN 1057 soft in mm			12-22	4,75-12	4,75-10	10-22*	6-16*	10-22	5-22	6-28*	12-35	20-28					6-22		6-18*
Sheathed copper pipes in mm			12-18*			12-18*	6-12*	6-22*	6-22*		12-22*						6-22*		
Thin-walled NF pipes in mm			12-22	4,75-12	4,75-10	10-22*	6-16*	10-30		12-28*	12-42	20-60,3					10-32		
Hydraulic pipes DIN 2391 in mm			12-15	4,75-12		10-18*	6-12*	10-22	5-18*	12-22*	12-42	20-60,3	14-32*	14-50*	14-76,1*	14-76,1*	6-28*	3-25*	6-18*
Precision steel pipes DIN 2394 in mm			12-15	4,75-12		10-18*	6-12*	10-22	5-18*	12-22*	12-54	20-54	14-32*	14-50*	14-76,1*	14-76,1*	6-28*	3-25*	6-18*
Stainless steel pipes DIN 17 440 in mm						10-18*			5-18*	12-22*	12-42*	20-60,3	14-32*	14-40*	14-60,3*	14-60,3*	6-28*	3-25*	

\*) depending on size / finish / pipe properties - see catalogue





**GEDORE**



# SAFETY BEAT BY BEAT OPTIMUM WORK RESULTS

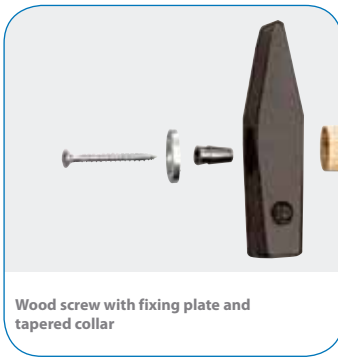
## OVERVIEW

- ✔ Engineers' hammers
- ✔ Club hammers
- ✔ Sledge hammers
- ✔ Bricklayer's hammers
- ✔ Claw hammers
- ✔ Carpenter's hammers
- ✔ Recoilless hammers
- ✔ Safety hammers
- ✔ Forging tools
- ✔ Scraper, chisels
- ✔ Pin, Drift and Centre punches
- ✔ Sets, Merchandiser
- ✔ Bending tools, pry bars
- ✔ Nail lifters, crow bars





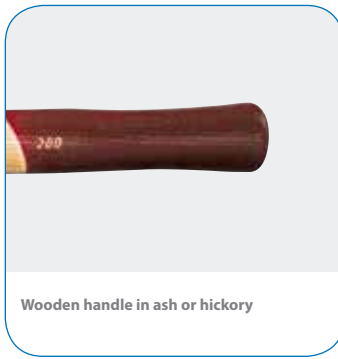




Wood screw with fixing plate and tapered collar



Long protective steel sleeve



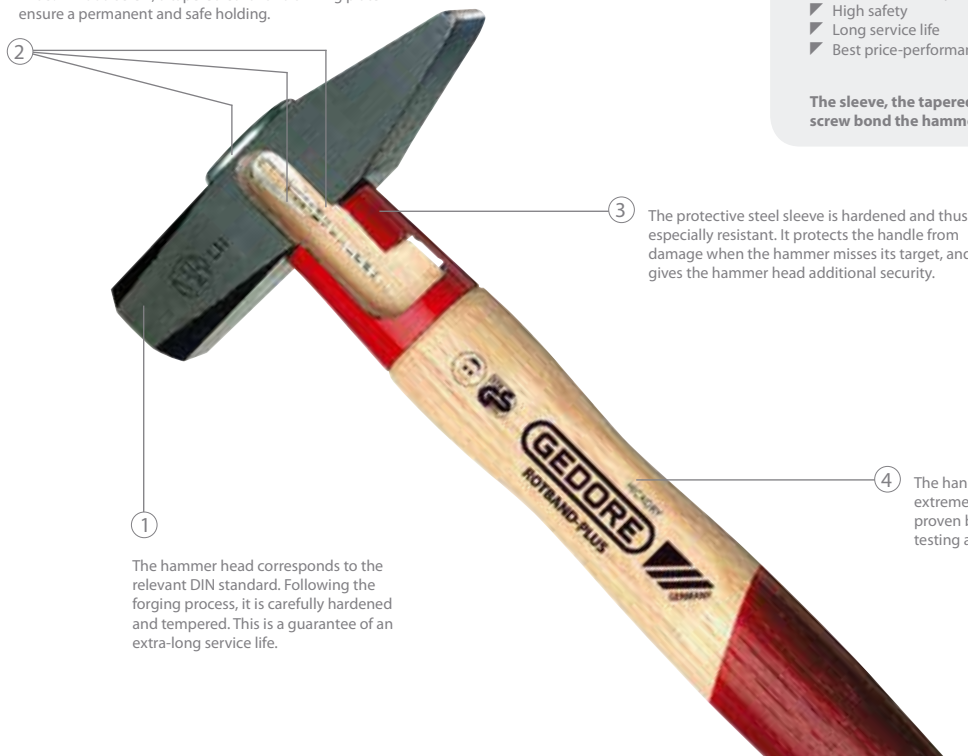
Wooden handle in ash or hickory

**ROT BAND-PLUS HAMMER**

- ① The hammer shaft is pressed into the hammer head.
- ② The ring wedge is pressed in to secure the shaft in the eye of the hammer head.
- ③ The round, conical form ensures an all-round, uniform pressure.
- ④ Tightening the wood screw ensures a positive fit of the safety plate with the shaft.

**ROT BAND-PLUS HAMMERS** A safe join

The join between the hammer head and the handle is one of the most important features of the ROT BAND-PLUS. A wood screw, a tapered collar and a fixing plate ensure a permanent and safe holding.



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.

③ The protective steel sleeve is hardened and thus especially resistant. It protects the handle from damage when the hammer misses its target, and gives the hammer head additional security.

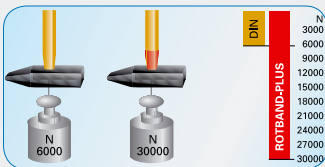
④ The handle in hand-friendly wood, is extremely bend-resistant. This has been proven by tests carried out at the Institute for testing and checking (VPA) in Remscheid.

**ALL ADVANTAGES AT A GLANCE**

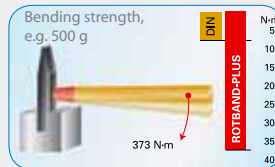
- ✔ Patented handle join
- ✔ High safety
- ✔ Long service life
- ✔ Best price-performance ratio

The sleeve, the tapered collar, the fixing plate and the wood screw bond the hammer head and the handle into one unit.

**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 ROT BAND-PLUS hammers more than five times required force was reached.



Due to the hardened ROT BAND-PLUS protective sleeve for the handle and the fixing plate, the bending strength of the ROT BAND-PLUS hammers compared to standard DIN hammers is increased substantially.

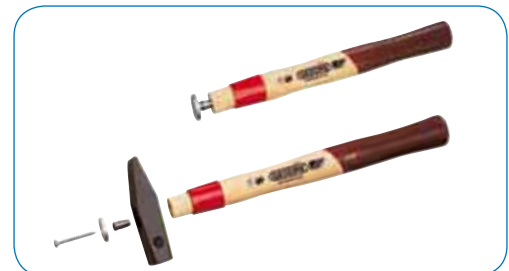
**SAFETY PRINCIPLE**



Unprotected hammer handle - After 30 impacts: Noticeable damage to the handle - risk of breakage!



Wooden handle with ROT BAND-PLUS Safety Feature - After 1,000 impacts: Slight traces in the paint, no deformation, absolutely firm seating.



With the standardised ROT BAND-PLUS handles every standardised hammer head can be turned into a ROT BAND-PLUS hammer.



# 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 SHAFT

- 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.

# ADVANTAGES OF THE DIFFERENT HANDLE TYPES



## 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
- 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.



## 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



## TUBULAR STEEL HANDLES

- High bending strength
- Resistant to the influence of weather

## 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.
- 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.





## 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 peen 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 destroys the wooden fibres. This can result in the wooden shaft snapping behind the eye area.
- Use only approved hammers for work in explosion-hazard areas!
- Use only suitable GEDORE replacement shafts and wedges.

## ENGINEERS' HAMMERS ROTBAND-PLUS

### 600 E + 600 H

#### ENGINEERS' HAMMER ROTBAND-PLUS

- Forged hammer head DIN 1041 made from special steel
- With contoured ash (600 E) or hickory handle (600 H) DIN 5111
- Additionally shaped with a long hardened handle protective steel sleeve
- Patented handle join, high working safety, long service life, best price-performance ratio



Code	No.	↔ mm ↔	↕ mm ↕	📦
8581610	<b>600 E-100</b>	100	170	6
8581880	<b>600 E-200</b>	200	275	6
8581960	<b>600 E-300</b>	300	425	6
8582180	<b>600 E-400</b>	400	510	6
8582260	<b>600 E-500</b>	500	615	6
8582340	<b>600 E-600</b>	600	765	6
8582420	<b>600 E-800</b>	800	1000	6
8582500	<b>600 E-1000</b>	1000	1215	6
8582690	<b>600 E-1500</b>	1500	1750	6
8582770	<b>600 E-2000</b>	2000	2375	6
8582850	<b>600 H-100</b>	100	170	6
8582930	<b>600 H-200</b>	200	275	6
8583070	<b>600 H-300</b>	300	425	6
8583150	<b>600 H-400</b>	400	510	6
8583230	<b>600 H-500</b>	500	615	6
8583310	<b>600 H-600</b>	600	765	6
8583580	<b>600 H-800</b>	800	1000	6
8583660	<b>600 H-1000</b>	1000	1215	6
8583740	<b>600 H-1500</b>	1500	1750	6
8583820	<b>600 H-2000</b>	2000	2375	6

### 600 IH

#### ENGINEERS' HAMMER ROTBAND-PLUS

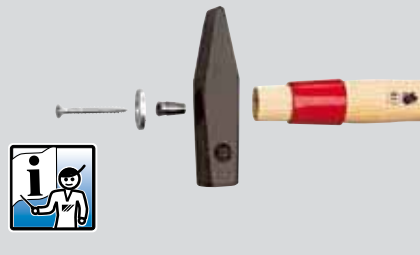
- The edges of the flat side of the head are induction hardened
- Forged hammer head DIN 1041 made from special steel
- With contoured ash or hickory handle DIN 5111
- Additionally shaped with a long hardened handle protective steel sleeve
- Patented handle join, high working safety, long service life, best price-performance ratio



Code	No.	↔ mm ↔	↕ mm ↕	📦
8583900	<b>600 IH-200</b>	200	275	6
8584040	<b>600 IH-300</b>	300	425	6
8584120	<b>600 IH-400</b>	400	510	6
8584200	<b>600 IH-500</b>	500	615	6
8584390	<b>600 IH-600</b>	600	765	6
8587300	<b>600 IH-800</b>	800	1000	6
8587490	<b>600 IH-1000</b>	1000	1215	6
8587570	<b>600 IH-1500</b>	1500	1750	6
8588970	<b>600 IH-2000</b>	2000	2375	6

## HELIVING - 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



### 640 E + 640 H

#### DISPLAY RACK FOR HAMMERS 40 pieces

- For engineer's hammers in ROTBAND-PLUS execution
- 640 E with ash handle
- 640 H with hickory handle
- For hanging on a perforated panel



Code	No.	↔ mm ↔	📦
8887880	<b>640 E</b>	32.0	1
11x 200g 9x 300g 8x 500g 6x 800g 6x 1000g			
8887960	<b>640 H</b>	32.0	1
11x 200g 9x 300g 8x 500g 6x 800g 6x 1000g			

### E 600 E + E 600 H

#### SPARE HANDLE ROTBAND-PLUS

- Contoured ash (E 600 E) or hickory handle (E 600 H) DIN 5111
- With hardened handle protective steel sleeve, tapered collar, fixing plate and wood screw
- With this handle acc. to DIN 5111, every standard DIN hammer head can be converted to a ROTBAND-PLUS-hammer



Code	No.	↔ mm ↔	↕ mm ↕	📦
8589000	<b>E 600 E-100</b>	260	50	10
8589190	<b>E 600 E-200</b>	280	55	10
8589270	<b>E 600 E-300</b>	300	110	10
8589350	<b>E 600 E-400</b>	310	120	10
8589430	<b>E 600 E-500</b>	320	125	10
8589510	<b>E 600 E-600</b>	330	130	10
8589780	<b>E 600 E-800</b>	350	170	10
8589860	<b>E 600 E-1000</b>	360	235	10
8589940	<b>E 600 E-1500</b>	380	255	10
8593700	<b>E 600 E-2000</b>	400	345	10
8593890	<b>E 600 H-100</b>	260	50	10
8595080	<b>E 600 H-200</b>	280	55	10
8595160	<b>E 600 H-300</b>	300	110	10
8595240	<b>E 600 H-400</b>	310	120	10
8596480	<b>E 600 H-500</b>	320	125	10
8596560	<b>E 600 H-600</b>	330	130	10
8596640	<b>E 600 H-800</b>	350	170	10
8597880	<b>E 600 H-1000</b>	360	235	10
8597960	<b>E 600 H-1500</b>	380	255	10
8599070	<b>E 600 H-2000</b>	400	345	10

### E 5

#### SPARE TAPERED COLLAR

- For safe fastening of the wooden handles



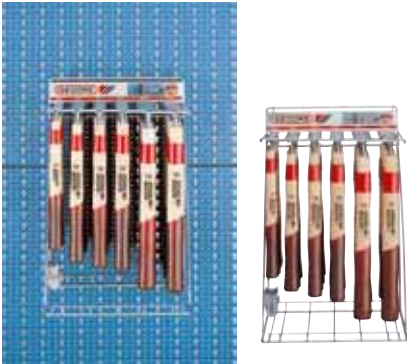
Code	No.	∅ mm	↔ mm ↔	↕ mm ↕	📦
8593970	<b>E 5-100</b>	7	12.0	1	10
8594000	<b>E 5-200</b>	8	15.0	2	10
8594190	<b>E 5-300</b>	10	17.0	3	10
8594270	<b>E 5-400</b>	11	18.0	5	10
8594350	<b>E 5-500</b>	12	20.0	7	10
8594860	<b>E 5-600</b>	13	20.0	8	10
8594430	<b>E 5-800</b>	14	21.0	10	10
8594940	<b>E 5-1000</b>	14	21.0	10	10
8594510	<b>E 5-1500</b>	15	23.5	11	10
8594780	<b>E 5-2000</b>	16	23.0	13	10



### E 630 E + E 630 H

#### DISPLAY RACK FOR HAMMER HANDLES 36 pieces

- ▶ ROTBAND-PLUS execution
- ▶ E 630 E with ash handles
- ▶ E 630 H with hickory handles
- ▶ For free standing or hanging on a merchandiser



Code	No.	▶	▶	▶
8678530	<b>E 630 E</b> 6 handles each 200 g 300 g 400 g 500 g 800 g 1000 g	9.5	1	
8679180	<b>E 630 H</b> 6 handles each 200 g 300 g 400 g 500 g 800 g 1000 g	10.4	1	

## ENGINEERS' HAMMERS

### 4 E + 4 H

#### ENGINEERS' HAMMER

- ▶ Forged hammer head DIN 1041
- ▶ Carefully hardened and tempered
- ▶ Striking face and pein polished, accurate chamfer
- ▶ Ash (E 4 E) or hickory handle (4 H) DIN 5111



Code	No.	▶	▶	▶
8586090	<b>4 E-50</b>	50	85	6
8586170	<b>4 E-100</b>	100	150	6
8586250	<b>4 E-200</b>	200	255	6
8586330	<b>4 E-300</b>	300	420	6
8586410	<b>4 E-400</b>	400	510	6
8586680	<b>4 E-500</b>	500	610	6
8586760	<b>4 E-600</b>	600	730	6
8586840	<b>4 E-800</b>	800	970	6
8586920	<b>4 E-1000</b>	1000	1235	6
8587060	<b>4 E-1500</b>	1500	1755	6
8587140	<b>4 E-2000</b>	2000	2345	6
8590010	<b>4 H-50</b>	50	85	6
8590280	<b>4 H-100</b>	100	150	6
8590360	<b>4 H-200</b>	200	255	6
8590440	<b>4 H-300</b>	300	420	6
8590520	<b>4 H-400</b>	400	510	6
8590600	<b>4 H-500</b>	500	610	6
8590790	<b>4 H-600</b>	600	730	6
8590870	<b>4 H-800</b>	800	970	6
8590950	<b>4 H-1000</b>	1000	1235	6
8591090	<b>4 H-1500</b>	1500	1755	6
8591170	<b>4 H-2000</b>	2000	2345	6

### 4 IH

#### ENGINEERS' HAMMER

- ▶ Edges of the flat side of the head are induction hardened
- ▶ Forged hammer head DIN 1041
- ▶ Carefully hardened and tempered
- ▶ Striking face and pein polished, accurate chamfer
- ▶ Hickory handle DIN 5111



Code	No.	▶	▶	▶
8752600	<b>4 IH-200</b>	200	255	6
8752790	<b>4 IH-300</b>	300	420	6
8752870	<b>4 IH-400</b>	400	510	6
8752950	<b>4 IH-500</b>	500	610	6
8753090	<b>4 IH-600</b>	600	730	6
8753170	<b>4 IH-800</b>	800	970	6
8753250	<b>4 IH-1000</b>	1000	1235	6
8753330	<b>4 IH-1500</b>	1500	1755	6
8753410	<b>4 IH-2000</b>	2000	2345	6



### E 4 E + E 4 H

#### SPARE HANDLE

- ▶ Ash (E 4 E) or hickory (E 4 H), acc. to DIN 5111
- ▶ With oval fixing hole



Code	No.	▶	▶	▶
8587650	<b>E 4 E-50</b>	250	45	10
8587730	<b>E 4 E-100</b>	260	50	10
8587810	<b>E 4 E-200</b>	280	55	10
8588030	<b>E 4 E-300</b>	300	110	10
8588110	<b>E 4 E-400</b>	310	120	10
8588380	<b>E 4 E-500</b>	320	125	10
8588460	<b>E 4 E-600</b>	330	130	10
8588540	<b>E 4 E-800</b>	350	170	10
8588620	<b>E 4 E-1000</b>	360	235	10
8588700	<b>E 4 E-1500</b>	380	255	10
8588890	<b>E 4 E-2000</b>	400	345	10
8591250	<b>E 4 H-50</b>	250	45	10
8591330	<b>E 4 H-100</b>	260	50	10
8591410	<b>E 4 H-200</b>	280	55	10
8591680	<b>E 4 H-300</b>	300	110	10
8591760	<b>E 4 H-400</b>	310	120	10
8591840	<b>E 4 H-500</b>	320	125	10
8591920	<b>E 4 H-600</b>	330	130	10
8592060	<b>E 4 H-800</b>	350	170	10
8592140	<b>E 4 H-1000</b>	360	235	10
8592220	<b>E 4 H-1500</b>	380	255	10
8592300	<b>E 4 H-2000</b>	400	345	10

### 4 K

#### ENGINEERS' HAMMER

- ▶ Forged hammer head DIN 1041
- ▶ Carefully hardened and tempered
- ▶ Striking face and pein polished, accurate chamfer
- ▶ With Ultramid® plastic handle and safety wedge



Code	No.	▶	▶	▶
8812950	<b>4 K-200</b>	200	230	6
8604170	<b>4 K-300</b>	300	400	6
8604330	<b>4 K-500</b>	500	620	6
8604680	<b>4 K-800</b>	800	950	6
8604760	<b>4 K-1000</b>	1000	1150	6

### E 4 K

#### 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



Code	No.	▶	▶	▶
8897170	<b>E 4 K-200</b>	280	55	10
8897250	<b>E 4 K-300</b>	300	120	10
8897330	<b>E 4 K-500</b>	320	110	10
8897410	<b>E 4 K-800</b>	350	170	10
8897680	<b>E 4 K-1000</b>	360	235	10

### 500 F

#### ENGINEERS' HAMMER

- ▶ Forged hammer head made from special steel
- ▶ Carefully hardened and tempered
- ▶ Striking face and pein polished, accurate chamfer
- ▶ Nearly unbreakable fibreglass handle with plastic grip
- ▶ Additionally hardened handle protective steel sleeve, up from 1000 g with secured head
- ▶ Induction tempered edges of the flat side of the head available on request



Code	No.	▶	▶	▶
8598180	<b>500 F-200</b>	200	330	6
8598260	<b>500 F-300</b>	300	460	6
8598340	<b>500 F-400</b>	400	605	6
8598420	<b>500 F-500</b>	500	710	6
8598500	<b>500 F-600</b>	600	835	6
8598690	<b>500 F-800</b>	800	1025	6
8598770	<b>500 F-1000</b>	1000	1315	6
8598850	<b>500 F-1500</b>	1500	1890	6
8598930	<b>500 F-2000</b>	2000	2460	6



**500 ST**

**ENGINEERS' HAMMER**

- Forged hammer head made from special steel
- Carefully hardened and tempered
- Striking face and pein polished, accurate chamfer
- Steel tube handle with plastic grip
- Very robust and durable



Code	No.	mm	mm	kg
8606620	<b>500 ST-300</b>	300	685	6
8606890	<b>500 ST-500</b>	500	840	6

**6 NA**

**SOFT FACE CAP for engineers' hammers**

- Polyethylene



Code	No.	for	g	mm	mm	kg
8605570	<b>6 NA-300</b>	300	22	1		
8605650	<b>6 NA-500</b>	500	49	1		
8605730	<b>6 NA-800</b>	800	64	1		
8802990	<b>6 NA-1000</b>	1000	53	1		

**8601**

**ENGINEER'S BALL PEIN HAMMER**

- Hardened and tempered steel to DIN EN 10083
- Enamelled, face and ball ground
- Ash shaft (E-8601 E)



Code	No.	mm	lbs	mm	kg
6764030	<b>8601 1/4 LBS</b>	270	1/4	150	1
6764110	<b>8601 1/2 LBS</b>	290	1/2	300	1
6764380	<b>8601 3/4 LBS</b>	310	3/4	420	1
6764460	<b>8601 1 LBS</b>	325	1	550	1
6764540	<b>8601 1.1/4 LBS</b>	350	1.1/4	700	1
6764620	<b>8601 1.1/2 LBS</b>	365	1.1/2	800	1
6764700	<b>8601 2 LBS</b>	380	2	1050	1
1388371	<b>E-8601 E 1/4 LBS</b>	270		111	1
1797689	<b>E-8601 E 1/2 LBS</b>	290		111	1
1797700	<b>E-8601 E 3/4 LBS</b>	310		111	1
1797719	<b>E-8601 E 1 LBS</b>	325		111	1
1797727	<b>E-8601 E 1.1/4 LBS</b>	350		111	1
1797735	<b>E-8601 E 1.1/2 LBS</b>	365		111	1
1797743	<b>E-8601 E 2 LBS</b>	380		111	1

**525 H**

**HAMMER KOMBI-PLUS**

- Combination of engineers' and plastic hammer
- ROTBAND execution
- With hickory handle (E 500 H) with hardened handle protective steel sleeve
- Spare head E 225-27



Code	No.	mm	mm	mm	mm	kg
1441310	<b>525 H-500</b>	27	320	500	615	6

**HANDLE TYPES**

- For more information on handle types see page 387



**JOINERS' HAMMERS**

**601 H**

**JOINERS' HAMMER ROTBAND-PLUS French pattern**

- With contoured hickory handle DIN 5111
- Additionally hardened steel sleeve
- Patented handle join, high working safety, long service life, best price-performance ratio



Code	No.	mm	mm	Spare handle	kg
8748840	<b>601 H-22</b>	22	380	E 600 H-300	6
8749060	<b>601 H-25</b>	25	480	E 600 H-400	6
8749140	<b>601 H-28</b>	28	595	E 600 H-500	6

**65 E**

**JOINERS' HAMMER French pattern**

- With ash handle



Code	No.	mm	mm	Spare handle	kg
8684260	<b>65 E-18</b>	18	195	E 4 E-100	6
8684340	<b>65 E-20</b>	20	255	E 4 E-300	6
8684420	<b>65 E-22</b>	22	340	E 4 E-300	6
8684500	<b>65 E-25</b>	25	460	E 4 E-400	6
8684690	<b>65 E-28</b>	28	625	E 4 E-500	6
8684770	<b>65 E-30</b>	30	755	E 4 E-600	6



**CLUB HAMMERS**

**620 E + 620 H**

**CLUB HAMMER ROTBAND-PLUS**

- Forged head DIN 6475 made from special steel
- Contoured ash (620 E) or hickory handle (620 H) DIN 5135
- Additionally with long hardened handle protective steel sleeve
- Patented handle join, high working safety, long service life, best price-performance ratio



Code	No.	mm	mm	mm	kg
8886990	<b>620 E-1000</b>	1000	1190	6	
8887020	<b>620 E-1250</b>	1250	1410	6	
8887100	<b>620 E-1500</b>	1500	1735	6	
8887290	<b>620 E-2000</b>	2000	2240	6	
8887370	<b>620 H-1000</b>	1000	1190	6	
8887450	<b>620 H-1250</b>	1250	1410	6	
8887530	<b>620 H-1500</b>	1500	1735	6	
8887610	<b>620 H-2000</b>	2000	2240	6	

**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
- With this handle acc. to DIN, every standard DIN club hammer head can be converted to a ROTBAND-PLUS club hammer



Code	No.	mm	mm	kg
8678100	<b>E 620 E-1000</b>	260	190	1
8749650	<b>E 620 E-1250</b>	260	190	1
8676670	<b>E 620 E-1500</b>	280	225	1
8676750	<b>E 620 E-2000</b>	300	240	1
8677210	<b>E 620 H-1000</b>	260	190	1
8749730	<b>E 620 H-1250</b>	260	190	1
8677480	<b>E 620 H-1500</b>	280	225	1
8677560	<b>E 620 H-2000</b>	300	240	1



### 20 E + 20 H

#### CLUB HAMMER

- Forged head DIN 6475
- Carefully hardened and tempered
- Striking faces polished, accurate chamfer
- With ash (20 E) or hickory handle (20 H) DIN 5135



Code	No.	1000	1190	6
8632460	<b>20 E-1000</b>	1000	1190	6
8632540	<b>20 E-1250</b>	1250	1410	6
8632620	<b>20 E-1500</b>	1500	1725	6
8632700	<b>20 E-2000</b>	2000	2240	6
8632890	<b>20 E-3</b>	3000	3460	1
8632970	<b>20 E-4</b>	4000	4620	1
8633000	<b>20 E-5</b>	5000	5925	1
8633190	<b>20 E-6</b>	6000	6925	1
8633270	<b>20 E-8</b>	8000	9100	1
8633350	<b>20 E-10</b>	10000	11100	1
8635210	<b>20 H-1000</b>	1000	1190	6
8635480	<b>20 H-1250</b>	1250	1410	6
8635560	<b>20 H-1500</b>	1500	1725	6
8635640	<b>20 H-2000</b>	2000	2240	6
8635720	<b>20 H-3</b>	3000	3460	1
8635800	<b>20 H-4</b>	4000	4620	1
8635990	<b>20 H-5</b>	5000	5925	1
8636020	<b>20 H-6</b>	6000	6925	1
8636100	<b>20 H-8</b>	8000	9100	1
8636290	<b>20 H-10</b>	10000	11100	1

### E 20 E + E 20 H

#### SPARE HANDLE

- 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

Code	No.	for hammer	(mm)	1000	1190	6
8633940	<b>E 20 E-1000</b>	20-1000, 20-1250, 46-1000, 46-1250	260	190	10	
8634160	<b>E 20 E-1500</b>	20-1500, 46-1500	280	225	10	
8634240	<b>E 20 E-2000</b>	20-2000, 46-2000	300	240	10	
8636880	<b>E 20 H-1000</b>	20-1000, 20-1250	260	190	10	
8637180	<b>E 20 H-1500</b>	20-1500	280	225	10	
8637260	<b>E 20 H-2000</b>	20-2000	300	240	10	
8613080	<b>E 9 E-3</b>	9-3, 10-3, 17-3, 20-3	600	460	1	
8613160	<b>E 9 E-4</b>	9-4, 10-4, 17-4, 20-4	700	620	1	
8613240	<b>E 9 E-5</b>	9-5, 9-6, 10-5, 10-6, 17-5, 17-6, 20-5, 20-6	800	925	1	
8613400	<b>E 9 E-8</b>	9-8, 9-10, 17-8, 17-10, 20-8, 20-10	900	1100	1	
8616500	<b>E 9 H-3</b>	9-3, 10-3, 17-3, 20-3	600	460	1	
8616690	<b>E 9 H-4</b>	9-4, 10-4, 17-4, 20-4	700	620	1	
8616770	<b>E 9 H-5</b>	9-5, 9-6, 10-5, 10-6, 17-5, 17-6, 20-5, 20-6	800	925	1	
8616930	<b>E 9 H-8</b>	9-8, 9-10, 17-8, 17-10, 20-8, 20-10	900	1100	1	

### 20 F

#### CLUB HAMMER

- Forged head DIN 6475
- Carefully hardened and tempered
- Striking faces polished, accurate chamfer
- Nearly unbreakable fibreglass handle with plastic grip and secured head



Code	No.	1000	1190	6
8815620	<b>20 F-1000</b>	1000	1190	6
8815700	<b>20 F-1250</b>	1250	1410	6
8815890	<b>20 F-1500</b>	1500	1725	6
8815970	<b>20 F-2000</b>	2000	2240	6
8816000	<b>20 F-3</b>	3000	3460	1
8866530	<b>20 F-4</b>	4000	5050	1
8866610	<b>20 F-5</b>	5000	6100	1
8866880	<b>20 F-6</b>	6000	7100	1
8866960	<b>20 F-8</b>	8000	9150	1
8867180	<b>20 F-10</b>	10000	11200	1

### 20 ST

#### CLUB HAMMER

- Forged head
- Carefully hardened and tempered
- Striking faces polished, accurate chamfer
- With steel tube handle and plastic grip
- Very robust and durable



Code	No.	1000	1175	6
8640800	<b>20 ST-1000</b>	1000	1175	6
8640990	<b>20 ST-1250</b>	1250	1425	6

### 21

#### SOFT FACE CAP for club hammers



Code	No.	for club hammer g	315	1
8641960	<b>21-1000</b>	1000	315	1
8642180	<b>21-1250</b>	1250	305	1
8642260	<b>21-1500</b>	1500	290	1
8642340	<b>21-2000</b>	2000	275	1

### 646 H

#### DOUBLE FACED CLUB HAMMER ROTBAND-PLUS Dutch pattern

- Forged hammer head made from special steel
- Contoured hickory handle DIN 5135
- Additionally with long hardened handle protective steel sleeve
- Spare handles see club hammer No. 620 H
- Patented handle join, high working safety, long service life, best price-performance ratio



Code	No.	1000	1190	6
8683020	<b>646 H-1000</b>	1000	1190	6
8682720	<b>646 H-1250</b>	1250	1410	6
8682800	<b>646 H-1500</b>	1500	1725	6
8682990	<b>646 H-2000</b>	2000	2240	6

### 46 E

#### DOUBLE FACED CLUB HAMMER Dutch pattern

- Forged hammer head, carefully hardened and tempered
- Striking face and pein polished, accurate chamfer
- With ash handle
- Spare handles see club hammer No. 20 E



Code	No.	1000	1190	6
8667090	<b>46 E-1000</b>	1000	1190	6
8667170	<b>46 E-1250</b>	1250	1410	6
8667250	<b>46 E-1500</b>	1500	1725	6
8667330	<b>46 E-2000</b>	2000	2240	6

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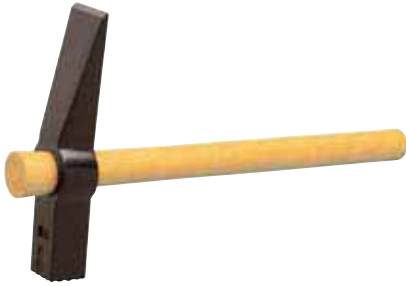




## BRICKLAYER'S HAMMERS

### 29 E

**BRICKLAYER'S HAMMER Rhineland pattern**  
 ▸ Head only (29), or with ash handle (29 E)



Code	No.	500	600	6
8656210	<b>29-500</b>	500	500	6
8656480	<b>29-600</b>	600	600	6
8656990	<b>29 E-500</b>	500	615	6
8657020	<b>29 E-600</b>	600	715	6
8657100	<b>E 29 E-500</b>	100	10	

### 29 ST

**BRICKLAYER'S HAMMER Rhineland pattern**  
 ▸ With steel tube handle and plastic grip  
 ▸ Very robust and durable



Code	No.	500	790	6
8657370	<b>29 ST</b>	500	790	6

### 30 E

**BRICKLAYER'S HAMMER Dutch pattern**  
 ▸ With ash handle



Code	No.	500	640	6
8657530	<b>30 E-500</b>	500	640	6
8657610	<b>30 E-700</b>	700	870	6
8657880	<b>E 30 E-500</b>	125	10	
8657960	<b>E 30 E-700</b>	170	10	

### 94 E

**BRICKLAYER'S HAMMER Berlin pattern**  
 ▸ With ash handle



Code	No.	600	720	6
8696940	<b>94 E-600</b>	600	720	6
8697080	<b>E 94 E-600</b>	130	10	

### 94 ST

**BRICKLAYER'S HAMMER Berlin pattern**  
 ▸ With steel tube handle and plastic grip  
 ▸ Very robust and durable



Code	No.	600	890	6
8697240	<b>94 ST</b>	600	890	6

### 93 ST

**BUILDER'S HATCHET**  
 ▸ With steel tube handle and plastic grip  
 ▸ Very robust and durable



Code	No.	600	890	6
8696510	<b>93 ST</b>	600	890	6



## CARPENTER'S HAMMERS

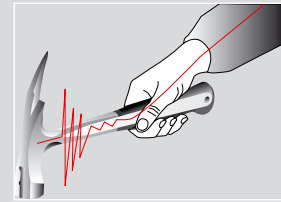
### 75 GSTM

**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 magnetic nail holder

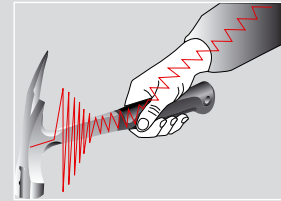


Code	No.	340	765	6
1576143	<b>75 GSTM</b>	340	765	6

▸ 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



### 575 F + 575 FM

**CARPENTER'S HAMMER**  
 ▸ Nearly unbreakable fibreglass handle with plastic grip and secured head  
 ▸ With hardened handle protective steel sleeve  
 ▸ 575 F without magnet  
 ▸ 575 FM with magnet



Code	No.	600	810	6
8863350	<b>575 F</b>	600	810	6
8863430	<b>575 FM</b>	600	810	6



**75 ST + 75 STM**

**CARPENTER'S HAMMER**

- With steel tube handle and plastic grip
- Acc. to DIN 7239
- 75 ST without magnet
- 75 STM with magnet
- Very robust and durable



Code	No.	mm	oz	mm	mm
8688920	<b>75 ST</b>	600	810	6	
8689220	<b>75 STM</b>	600	810	6	

**75 STK + 75 STKM**

**CARPENTER'S HAMMER**

- With steel tube handle, plastic grip and secured head
- Acc. to DIN 7239
- 75 STK without magnet
- 75 STKM with magnet
- Very robust and durable



Code	No.	mm	oz	mm	mm
8692440	<b>75 STK</b>	600	810	6	
8813090	<b>75 STKM</b>	600	810	6	

**CLAW HAMMERS**

**71 GSTM**

**CLAW HAMMER, AMERICAN PATTERN**

- 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 magnetic nail holder



Code	No.	mm	oz	mm	mm
1629670	<b>71 GSTM</b>	27	20	730	6

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**HAMMERS MISCELLANEOUS**

**79**

**BRICK BOLSTER**

- Special alloy steel



Code	No.	mm	mm	mm
8692010	<b>79-60</b>	60	405	1
8692280	<b>79-80</b>	80	620	1
8692360	<b>79-100</b>	100	730	1



**35 H**

**PAVING HAMMER Berlin pattern**

- With hickory handle

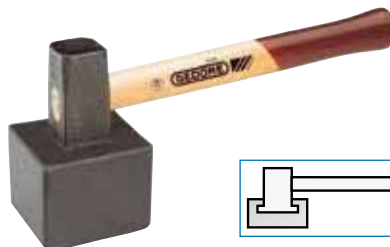


Code	No.	mm	mm	mm
1488295	<b>35 H-1000</b>	1000	1100	6
1488309	<b>35 H-1500</b>	1500	1600	6
1488317	<b>35 H-2000</b>	2000	2200	6
1476718	<b>E 35 H-1000</b>	190	10	
1476726	<b>E 35 H-1500</b>	190	10	
1476734	<b>E 35 H-2000</b>	190	10	

**18 E**

**PAVING HAMMER SQUARE**

- With welded plate
- Large vulcanised rubber block
- Ash handle



Code	No.	mm	mm	mm
8883700	<b>18 E</b>	360	2600	1
8883890	<b>E 18 E</b>	360	345	1

**19 E**

**PAVING HAMMER ROUND**

- With welded plate
- Large vulcanised rubber block
- Ash handle



Code	No.	mm	mm	mm
1628216	<b>19 E</b>	360	2600	1
8883890	<b>E 18 E</b>	360	345	1

**43 E**

**VENEER HAMMER**

- With ash handle (E 4 E-500) DIN 5111



Code	No.	mm	mm	mm
8665630	<b>43 E-500</b>	90	500	590
8588380	<b>E 4 E-500</b>	125	10	

**212 E**

**CARBIDE TILE HAMMER pointed or flat**

- Striking face not hardened
- With ash handle and handle protective sleeve



Code	No.	mm	mm	mm
8882730	<b>212 E-50 FL</b>	50	70	6
8749490	<b>212 E-75 FL</b>	75	105	6
8882810	<b>212 E-50 SP</b>	50	70	6
8749570	<b>212 E-75 SP</b>	75	105	6

**213 H - 214 H**

**TILE HAMMER pointed or flat**

- Head made from chrome-vanadium steel
- Face hardened and tempered
- With hickory handle, handle protective sleeve and safety screw for a durable safe connection of handle and hammer head
- With point (213) or edge (214)



Code	No.	mm	mm	mm
8916300	<b>213 H-50</b>	290	50	75
8926960	<b>213 H-75</b>	290	75	105
8916490	<b>214 H-50</b>	290	50	75
8927180	<b>214 H-75</b>	290	75	105



### 72 H

#### GLAZIERS HAMMER polished

- With hickory handle, steel sleeve and safety screw for a durable safe connection of handle and hammer head



Code	No.	100	190	6
1541935	<b>72 H-100</b>			
1541730	<b>E 72 H-100</b>	40	10	

### 570 H

#### MAGNETIC HAMMER ROTBAND

- Hickory handle with hardened handle protective steel sleeve
- With magnet



Code	No.	100	150	6
8856490	<b>570 H</b>			
2015684	<b>E 570 H-100</b>	48	10	

### 76 ST

#### GEOLOGIST'S HAMMER

- With very robust and durable steel tube handle with plastic grip
- SCH with cutting edge
- SP with pointed tip



Code	No.	500	810	6
8855330	<b>76 ST SCH</b>			
8855410	<b>76 ST SP</b>			



## SCALING HAMMERS

### 677 H

#### SCALING HAMMER ROTBAND-PLUS

- Forged hammer head from special steel
- Contoured hickory handle
- With additional long, hardened steel sleeve
- Patented handle join, high working safety, long service life, best price-performance ratio



Code	No.	300	420	6
8671950	<b>677 H</b>			
1822357	<b>E 677 H-300</b>	150	10	

### 77 E

#### SCALING HAMMER

- With ash handle (E 4 E) DIN 5111



Code	No.	330	440	6
8690900	<b>77 E-300</b>			
8588030	<b>E 4 E-300</b>			

### 77 ST

#### SCALING HAMMER

- With steel tube handle



Code	No.	300	420	6
8691200	<b>77 ST-300</b>			
8691390	<b>77 ST-400</b>	400	520	6

### 41 E

#### SCALING HAMMER

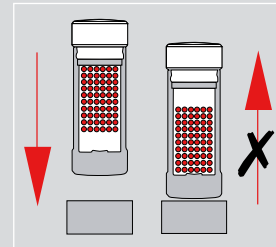
- With ash handle (E 4 E) DIN 5111



Code	No.	500	610	6
8665390	<b>41 E-500</b>			
8588380	<b>E 4 E-500</b>	125	10	

## RECOILLESS HAMMERS

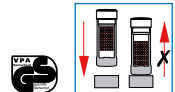
- Due to the special filling insert in the hammer head a considerable higher striking effect is reached compared to standard engineers' and recoilless hammers
- Universal use for service and assembly work, with all advantages of a recoilless hammer with higher striking effect
- "Dead blows" with no recoil reduces stress on muscles, nerves and wrists
- Reduction in expenses due to universal use as an engineer's and recoilless hammer
- Recoilless hammers improve effect of impact and so protect sensitive surfaces
- Each blow is up to 100% 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



### 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



Code	No.	mm	mm	mm	6
8728220	<b>248 H-25</b>	305	25	300	6
8868230	<b>248 H-30</b>	330	30	585	6
8868310	<b>248 H-35</b>	335	35	670	6
8868580	<b>248 H-40</b>	360	40	820	6
8868660	<b>248 H-45</b>	365	45	1030	6
8868740	<b>248 H-50</b>	370	50	1180	1
8868820	<b>248 H-60</b>	370	60	1800	1
8728300	<b>248 H-70</b>	370	70	2300	1
8728490	<b>248 H-80</b>	880	80	4000	1
8728570	<b>248 H-100</b>	1000	100	7000	1



**E 248 H**

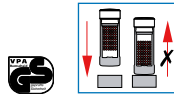
**SPARE HANDLE HICKORY**

Code	No.	l mm	Ø mm	Weight	Units
8739690	<b>E 248 H-25</b>	280	6	10	
8739770	<b>E 248 H-30-35</b>	300	10	10	
8739850	<b>E 248 H-40-45</b>	320	14	10	
8739930	<b>E 248 H-50</b>	320	14	10	
8740000	<b>E 248 H-60-70</b>	310	18	10	
8740190	<b>E 248 H-80</b>	800	81	10	
8740270	<b>E 248 H-100</b>	900	88	10	

**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

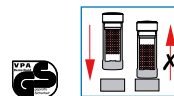


Code	No.	l mm	Ø mm	Weight	Units
8724310	<b>248 F-25</b>	290	25	300	6
8867690	<b>248 F-30</b>	305	30	585	6
8867770	<b>248 F-35</b>	310	35	670	6
8867850	<b>248 F-40</b>	315	40	820	6
8867930	<b>248 F-45</b>	320	45	1030	6
8868070	<b>248 F-50</b>	325	50	1180	1
8868150	<b>248 F-60</b>	335	60	1800	1

**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



Code	No.	l mm	Ø mm	Weight	Units
8724070	<b>248 ST-25</b>	270	25	370	6
8828950	<b>248 ST-30</b>	290	30	585	6
8829090	<b>248 ST-35</b>	295	35	670	6
8829170	<b>248 ST-40</b>	300	40	820	6
8829410	<b>248 ST-45</b>	305	45	1030	6
8829250	<b>248 ST-50</b>	310	50	1180	1
8829330	<b>248 ST-60</b>	335	60	1800	1
8724150	<b>248 ST-70</b>	335	70	2400	1

**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



Code	No.	l mm	Ø mm	Weight	Units
8746980	<b>248 KL-20</b>	150	20	220	1
8747010	<b>248 KL-25</b>	154	25	330	1
8747280	<b>248 KL-30</b>	155	30	460	1
8747360	<b>248 KL-35</b>	155	35	650	1
8747440	<b>248 KL-40</b>	160	40	820	1
8747520	<b>248 KL-45</b>	160	45	1000	1
8747600	<b>248 KL-50</b>	165	50	1250	1

**E 248**

**SPARE HEAD (PIECE)**

- Splinter-proof, shatter-proof and wear-resistant polyamide, 75 Shore D, tested to -20° C

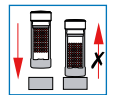
Code	No.	Ø mm	Weight	Units
8747790	<b>E 248-20</b>	20	10	1
8747870	<b>E 248-25</b>	25	10	1
8830260	<b>E 248-30</b>	30	18	1
8830340	<b>E 248-35</b>	35	25	1
8830420	<b>E 248-40</b>	40	35	1
8829920	<b>E 248-45</b>	45	45	1
8830500	<b>E 248-50</b>	50	58	1
8830690	<b>E 248-60</b>	60	140	1
8748410	<b>E 248-70</b>	70	131	1
8748680	<b>E 248-80</b>	80	207	1
8748760	<b>E 248-100</b>	100	363	1



**247 H**

**COMBINATION HAMMER KOMBI-PLUS R**

- Reduction in expenses due to universal use as an engineers' and recoilless hammer
- With hickory handle (E 247 H)
- With exchangeable insert in breakage and wear-resistant polyamide (E 247), 75 Shore D, tested to -20° C
- DBGm (German utility patent)



Code	No.	l mm	Ø mm	Weight	Units
1603299	<b>247 H-30</b>	305	30	520	6
1885979	<b>247 H-30-200</b>	200	30	480	6
1603396	<b>247 H-35</b>	310	35	670	6
1687883	<b>247 H-40</b>	330	40	820	6
1605313	<b>E 247 H-30</b>	270	10	1	
1630709	<b>E 247 H-35</b>	270	14	1	
1688014	<b>E 247 H-40</b>	290	135	1	
1605305	<b>E 247-30</b>	30	19	1	
1605380	<b>E 247-35</b>	35	27	1	
1688022	<b>E 247-40</b>	40	40	1	

**VS 247 H**

**DISPLAY RACK FOR HAMMER KOMBI-PLUS R 11 pieces**



Code	No.	Weight	Units
1648985	<b>VS 247 H</b> 6x 247 H-30 5x 247 H-35	9,7	1

**KOMBI-PLUS R**

With exchangeable insert in breakage and wear-resistant polyamide

Handle is additionally secured by split pin



Steel sleeve for protection from damage when the hammer misses its target

Ergonomically designed handle made from high-quality hickory, extremely bend resistant and fail safe



## SAFETY HAMMER SOFT-PLUS

### SOFT-PLUS heads

- Blue (B) = soft 20 Shore D
  - Material: Elastomer
  - For sensitive work pieces, light metal production, furniture industry, assembly works, etc.
- Black (S) = medium soft 45 Shore D
  - Material: Caoutchouc
  - For sturdy applications, pavement craft, etc.
- Yellow (G) = medium hard 63 Shore D
  - Material: Polyurethane
  - For universal applications, tooling and machine industry, automotive workshops, sheet metal work, etc.
- Anthracite (A) = hard 70 Shore D
  - Material: Polyurethane
  - For high striking power, road building, etc.



## 250

### SAFETY HAMMER SOFT-PLUS

- Safety hammer with malleable cast iron shells
- With hickory handle and interchangeable heads
- Slots in the head and grooves in the shells provide an absolute safe connection
- The screw is guided through the handle and connected with a self-locking nut. This provides highest safety

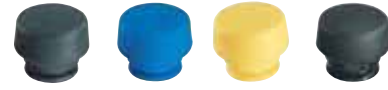


Code	No.	Ø mm	↕	📦
1446010	<b>250 AB-30</b>	30	330	6
1446029	<b>250 AB-40</b>	40	650	6
1446037	<b>250 AB-50</b>	50	1150	6
1445936	<b>250 AG-30</b>	30	330	6
1445960	<b>250 AG-40</b>	40	650	6
1445979	<b>250 AG-50</b>	50	1150	6
1446088	<b>250 AS-30</b>	30	330	6
1446118	<b>250 AS-40</b>	40	650	6
1446134	<b>250 AS-50</b>	50	1150	6
1445898	<b>250 BG-30</b>	30	330	6
1445901	<b>250 BG-40</b>	40	650	6
1445928	<b>250 BG-50</b>	50	1150	6
1446045	<b>250 BS-30</b>	30	330	6
1446053	<b>250 BS-40</b>	40	650	6
1446061	<b>250 BS-50</b>	50	1150	6
1445987	<b>250 GS-30</b>	30	330	6
1445995	<b>250 GS-40</b>	40	650	6
1446002	<b>250 GS-50</b>	50	1150	6

## E 250

### SPARE HEAD SOFT-PLUS

- Splinter-proof, shatter-proof, wear-resistant
- Colour fast
- Cadmium free



Code	No.	Ø mm	↕	📦
1445200	<b>E 250 A-30</b>	30	20	1
1445219	<b>E 250 A-40</b>	40	45	1
1445227	<b>E 250 A-50</b>	50	85	1
1445111	<b>E 250 B-30</b>	30	20	1
1445154	<b>E 250 B-40</b>	40	45	1
1445162	<b>E 250 B-50</b>	50	85	1
1445170	<b>E 250 G-30</b>	30	20	1
1445189	<b>E 250 G-40</b>	40	45	1
1445197	<b>E 250 G-50</b>	50	85	1
1445235	<b>E 250 S-30</b>	30	20	1
1445243	<b>E 250 S-40</b>	40	45	1
1445251	<b>E 250 S-50</b>	50	85	1

## E 250 H

### SPARE HANDLE SOFT-PLUS

- For safety hammer no. 250
- Made from hickory



Code	No.	↕ mm	↕	📦
1445715	<b>E 250 H-30</b>	275	110	10
1445723	<b>E 250 H-40</b>	300	120	10
1445758	<b>E 250 H-50</b>	330	125	10

## E 250 T

### MALLEABLE CAST IRON SHELLS SOFT-PLUS

- For safety hammer no. 250, 1 pair
- Made from high-quality malleable cast iron
- Safety connection included
- Extremely resistant



Code	No.	Ø mm	↕	📦
1445073	<b>E 250 T-30</b>	30	180	1
1445081	<b>E 250 T-40</b>	40	380	1
1445103	<b>E 250 T-50</b>	50	640	1



## SAFETY HAMMERS

## 224 E

### PLASTIC HAMMER

- With exchangeable heads made from yellow shatter-proof cellulose acetate
- With ash handle (E 224 E)
- 65 Shore



Code	No.	Ø mm	↕	📦
8821270	<b>224 E-22</b>	22	160	6
8821350	<b>224 E-27</b>	27	260	6
8821430	<b>224 E-32</b>	32	360	6
8821510	<b>224 E-35</b>	35	450	6
8821780	<b>224 E-40</b>	40	620	6
8821860	<b>224 E-50</b>	50	930	6
8821940	<b>224 E-60</b>	60	1320	6

Code	Spare head No.	Ø mm	↕	📦
8822590	<b>E 224-22</b>	22	33	1
8822670	<b>E 224-27</b>	27	40	1
8822750	<b>E 224-32</b>	32	80	1
8822830	<b>E 224-35</b>	35	100	1
8822910	<b>E 224-40</b>	40	130	1
8823050	<b>E 224-50</b>	50	180	1
8823130	<b>E 224-60</b>	60	300	1

## 225 E

### NYLON HAMMER

- With exchangeable heads made from impact-resistant nylon
- With ash handle (E 224 E)
- 60 Shore



Code	No.	Ø mm	↕	📦
8805310	<b>225 E-22</b>	22	160	6
8805580	<b>225 E-27</b>	27	260	6
8805660	<b>225 E-32</b>	32	360	6
8805740	<b>225 E-35</b>	35	450	6
8805820	<b>225 E-40</b>	40	620	6
8805900	<b>225 E-50</b>	50	930	6
8806040	<b>225 E-60</b>	60	1320	6

Code	Spare head No.	Ø mm	↕	📦
8814220	<b>E 225-22</b>	22	30	1
8814300	<b>E 225-27</b>	27	40	1
8814490	<b>E 225-32</b>	32	80	1
8814570	<b>E 225-35</b>	35	100	1
8814650	<b>E 225-40</b>	40	130	1
8814730	<b>E 225-50</b>	50	180	1
8814810	<b>E 225-60</b>	60	300	1





**E 224 E**  
SPARE HANDLE for no. 224+225

Code	No.	l mm	Ø mm	Weight	Material
8823210	<b>E 224 E-22</b>	250	55	10	
8823480	<b>E 224 E-27</b>	270	60	10	
8823560	<b>E 224 E-32</b>	280	110	10	
8823640	<b>E 224 E-35</b>	290	120	10	
8823720	<b>E 224 E-40</b>	320	125	10	
8824290	<b>E 224 E-50</b>	340	130	10	
8824370	<b>E 224 E-60</b>	380	170	10	

**226 E**  
**RUBBER MALLET hard**

- ✔ DIN 5128-90, 90 Shore
- ✔ With two flat surfaces
- ✔ **2 A** with one curved and one flat surface
- ✔ With ash handle (E 226 E)



Code	No.	l mm	Ø mm	Weight	Material
8825500	<b>226 E-0</b>	80	40	180	6
8825690	<b>226 E-1</b>	90	55	310	6
8825770	<b>226 E-2</b>	115	65	540	6
8825850	<b>226 E-2 A</b>	115	65	540	6
8825930	<b>226 E-3</b>	130	75	800	6
8826070	<b>226 E-4</b>	140	90	1250	6

**227 E**  
**RUBBER MALLET soft**

- ✔ DIN 5128-60, 60 Shore
- ✔ With two flat surfaces
- ✔ **2 A** with one curved and one flat surface
- ✔ With ash handle (E 226 E)




Code	No.	l mm	Ø mm	Weight	Material
8826660	<b>227 E-0</b>	80	40	180	6
8826740	<b>227 E-1</b>	90	55	310	6
8826820	<b>227 E-2</b>	115	65	540	6
8826900	<b>227 E-2 A</b>	115	65	540	6
8827040	<b>227 E-3</b>	130	75	800	6
8827120	<b>227 E-4</b>	140	90	1250	6

**E 226 E**  
SPARE HANDLE ASH for no. 226+227

Code	No.	l mm	Weight	Material
8826230	<b>E 226 E-0</b>	260	60	10
8826310	<b>E 226 E-1</b>	320	80	10
8826580	<b>E 226 E-2</b>	340	110	10
8827200	<b>E 226 E-3</b>	380	125	10
8827390	<b>E 226 E-4</b>	380	170	10

**216 K**  
**PLASTIC HAMMER**

- ✔ Colour leaves no stains, smears or other marks on the working materials or components
- ✔ White side PVC = soft, approx. 70 Shore
- ✔ Blue side PP = hard, approx. 95 Shore
- ✔ With plastic handle




Code	No.	l mm	Ø mm	Weight	Material
1468286	<b>216 K-1</b>	85	55	245	6
1468294	<b>216 K-2</b>	110	60	365	6

**WOODEN / COPPER / LEAD HAMMERS**

**228**  
**WOODEN MALLET**

- ✔ With round red-beech-wood handle
- ✔ Acc. to DIN 7462 A



Code	No.	l mm	Ø mm	Weight	Material
8828010	<b>228-60</b>	300	60	324	6
8828280	<b>228-70</b>	340	70	514	6

**229**  
**WOODEN MALLET**

- ✔ Head made from white beech wood with pressed steel holder
- ✔ With oval ash handle
- ✔ Acc. to DIN 7462 B



Code	No.	l mm	Ø mm	Weight	Material
8601230	<b>229-60</b>	310	60	324	6
8601310	<b>229-70</b>	320	70	514	6
8605060	<b>229-80</b>	350	80	514	6

**21 F**  
**LIGHT METAL HAMMER**


- ✔ Cylindrical pattern
- ✔ Nearly unbreakable fibreglass handle with plastic grip



Code	No.	l mm	Ø mm	Weight	Material	
2015110	<b>21 F-250</b>	300	4.0	250	450	1
2015129	<b>21 F-500</b>	320	4.5	500	700	1
2015137	<b>21 F-1000</b>	360	6.0	1000	1300	1
2015145	<b>21 F-1500</b>	400	7.0	1500	1800	1

**622 H**  
**COPPER HAMMER ROTBAND-PLUS**


- ✔ Club shape
- ✔ Forged hammer head
- ✔ With hickory handle DIN 5111 (E 600 H), with additional long hardened handle protective steel sleeve
- ✔ Patented handle join, high working safety, long service life, best price-performance ratio



Code	No.	l mm	Ø mm	Weight	Material
8672410	<b>622 H-750</b>	350	750	980	6
8672680	<b>622 H-1000</b>	360	1000	1235	6
8672760	<b>622 H-1500</b>	380	1500	1780	6
8672840	<b>622 H-2000</b>	400	2000	2300	6
8596640	<b>E 600 H-800</b>	350	170	10	
8597880	<b>E 600 H-1000</b>	360	235	10	
8597960	<b>E 600 H-1500</b>	380	255	10	
8599070	<b>E 600 H-2000</b>	400	345	10	

**22 H**  
**COPPER HAMMER**

- ✔ Club shape
- ✔ Forged hammer head with accurate chamfer
- ✔ With hickory handle (E 4 H) DIN 5111



Code	No.	l mm	Ø mm	Weight	Material
1583999	<b>22 H-250</b>	280	250	325	6
1584006	<b>22 H-500</b>	310	500	625	6
8867260	<b>22 H-750</b>	350	750	980	6
8867340	<b>22 H-1000</b>	360	1000	1235	6
8867420	<b>22 H-1500</b>	380	1500	1780	6
8867500	<b>22 H-2000</b>	400	2000	2300	6
8591410	<b>E 4 H-200</b>	280	55	10	
8591760	<b>E 4 H-400</b>	310	120	10	
8592060	<b>E 4 H-800</b>	350	170	10	
8592140	<b>E 4 H-1000</b>	360	235	10	
8592220	<b>E 4 H-1500</b>	380	255	10	
8592300	<b>E 4 H-2000</b>	400	345	10	



**23 E****COPPER HAMMER**

- ▶ Club shape
- ▶ With ash handle (E 4 E) DIN 5111



Code	No.	mm	mm	mm	mm	mm
1599275	<b>23 E-250</b>	300	250	325	6	
1599585	<b>23 E-500</b>	320	500	625	6	
1599593	<b>23 E-750</b>	350	750	980	6	
1599607	<b>23 E-1000</b>	360	1000	1235	6	
1599623	<b>23 E-1500</b>	380	1500	1780	6	
1599631	<b>23 E-2000</b>	400	2000	2300	6	
8588030	<b>E 4 E-300</b>	300		110	10	
8588380	<b>E 4 E-500</b>	320		125	10	
8588540	<b>E 4 E-800</b>	350		170	10	
8588620	<b>E 4 E-1000</b>	360		235	10	
8588700	<b>E 4 E-1500</b>	380		255	10	
8588890	<b>E 4 E-2000</b>	400		345	10	

**223 H****LEAD HAMMER**

- ▶ With hickory handle (E 4 H) DIN 5111



Code	No.	mm	mm	mm	mm
8820460	<b>223 H-1000</b>	310	1000	1230	6
8820540	<b>223 H-1500</b>	350	1500	1730	6
8591760	<b>E 4 H-400</b>	310		120	10
8592060	<b>E 4 H-800</b>	350		170	10

**FORGING TOOLS****37 E****COLD CHISEL HAMMER**

- ▶ With ash handle



Code	No.	mm	mm	mm
8663850	<b>37 E-1500</b>	1500	1810	1
8663930	<b>E 37 E 1500</b>		270	1

**38 E****HOT CHISEL HAMMER**

- ▶ With ash handle



Code	No.	mm	mm	mm
8664310	<b>38 E-1500</b>	1500	1760	1
8663930	<b>E 37 E 1500</b>		270	1

**48 E****SQUARE FLATTER**

- ▶ With ash handle



Code	No.	mm	mm	mm	mm
8669620	<b>48 E-70</b>	70	1600	2240	1
8663930	<b>E 37 E 1500</b>			270	1

**49 E****SET HAMMER**

- ▶ With ash handle



Code	No.	mm	mm	mm	mm
8670120	<b>49 E-50</b>	50	1900	2400	1
8663930	<b>E 37 E 1500</b>			270	1

**50****BOTTOM ANVIL TOOL**

- ▶ Pin 25 mm



Code	No.	mm	mm	mm
8670550	<b>50-50</b>	50	1060	1

**54 E****TOP SWAGE**

- ▶ With ash handle



Code	No.	mm	mm	mm	mm
8676830	<b>54 E-10</b>	10	1000	1290	1
8676910	<b>54 E-15</b>	15	1225	1480	1
8677050	<b>54 E-20</b>	20	1695	2050	1
8677130	<b>54 E-25</b>	25	1850	1880	1
8663930	<b>E 37 E 1500</b>			270	1

**55****BOTTOM SWAGE**

- ▶ Pin 25 mm



Code	No.	mm	mm	mm
8677720	<b>55-10</b>	10	1000	1
8677800	<b>55-15</b>	15	1225	1
8677990	<b>55-20</b>	20	1695	1
8678020	<b>55-25</b>	25	2100	1

**56 E****PUNCH HAMMER**

- ▶ With ash handle
- ▶ Can be supplied with rebound-dampened tubular steel handle



Code	No.	mm	mm	mm	mm
8679500	<b>56 E-10</b>	10	850	1010	1
8679690	<b>56 E-15</b>	15	1000	1480	1
8679770	<b>56 E-20</b>	20	1470	1770	1
8663930	<b>E 37 E 1500</b>			270	1

**51 E****TOP FULLER**

- ▶ With ash handle



Code	No.	mm	mm	mm	mm
8671520	<b>51 E-15</b>	15	900	1310	1
8671600	<b>51 E-20</b>	20	950	1330	1
8663930	<b>E 37 E 1500</b>			270	1

**53****BOTTOM FULLER**

- ▶ Pin 25 mm




Code	No.	mm	mm	mm	mm
8672090	<b>53-15</b>	15	1140	1	
8672170	<b>53-20</b>	20	1132	1	





**58**  
**HARDY**  
 ▣ Pin 25 mm



Code	No.		
8680350	<b>58-100</b>	1000	1

**59**  
**ANVIL HORN**  
 ▣ Pin 25 mm



Code	No.		
8680780	<b>59-100</b>	1000	1

**60 E - 61 E**  
**SCYTHE HAMMER**  
 ▣ 60 E = double edge with ash handle  
 ▣ 61 E = single edge with ash handle



Code	No.		
8681160	<b>60 E-500</b>	500	6
8681400	<b>61 E-500</b>	500	6
8681590	<b>E 60 E-500</b>	120	10


**62 - 63**  
**SCYTHE ANVIL**



Code	No.		
8681830	<b>62-500</b> tipped	500	1
8682050	<b>63-500</b> edged	500	1


**BLACKSMITH'S TONGS**

**230**  
**BLACKSMITH'S TONGS**  
 ▣ Flat nosed




Code	No.	(=mm=)		
8842510	<b>230-300</b>	300	540	1
8842780	<b>230-400</b>	400	705	1
8842860	<b>230-500</b>	500	1185	1
8842940	<b>230-600</b>	600	1490	1

**231**  
**BLACKSMITH'S TONGS**  
 ▣ Round nosed




Code	No.	(=mm=)		
8843400	<b>231-300</b>	300	540	1
8843590	<b>231-400</b>	400	705	1
8843670	<b>231-500</b>	500	1185	1
8843750	<b>231-600</b>	600	1490	1

**232**  
**BLACKSMITH'S TONGS**  
 ▣ Half-round nosed




Code	No.	(=mm=)		
8844210	<b>232-300</b>	300	540	1
8844480	<b>232-400</b>	400	705	1
8844560	<b>232-500</b>	500	1185	1
8844640	<b>232-600</b>	600	1490	1

**233**  
**BLACKSMITH'S TONGS**  
 ▣ Half-round nosed



Code	No.	(=mm=)		
8845100	<b>233-300</b>	300	540	1
8845290	<b>233-400</b>	400	845	1
8845370	<b>233-500</b>	500	1320	1
8845450	<b>233-600</b>	600	1840	1


**234**  
**RIVETTING TONGS**



Code	No.	(=mm=)		
8846180	<b>234-400</b>	400	580	1
8846260	<b>234-500</b>	500	890	1

**SCRAPERS**

**130**  
**THREE-EDGED BEARING SCRAPER**  
 ▣ Made from special steel  
 ▣ Working ends polished  
 ▣ With wooden handle  
 ▣ Flanged blade




Code	No.				
8777270	<b>130-125</b>	125	225	95	10
8777350	<b>130-150</b>	150	270	120	10
8777430	<b>130-200</b>	200	315	150	10
8777510	<b>130-250</b>	250	365	200	10

**131**  
**CURVED BEARING SCRAPER (LONG SCRAPER)**  
**American pattern**  
 ▣ Made from special steel  
 ▣ Working ends polished  
 ▣ With wooden handle  
 ▣ Flanged blade



Code	No.				
8778160	<b>131-125</b>	125	225	95	10
8778240	<b>131-150</b>	150	270	120	10
8778320	<b>131-200</b>	200	315	150	10
8778400	<b>131-250</b>	250	365	200	10

**132**  
**THREE-EDGED HOLLOW GROUND SCRAPER**  
 ▣ Acc. to DIN 8350 Form C  
 ▣ Made from special steel  
 ▣ Working ends polished  
 ▣ With wooden handle  
 ▣ Flanged blade



Code	No.				
8778910	<b>132-100</b>	100	200	70	10
8779050	<b>132-125</b>	125	225	80	10
8779130	<b>132-150</b>	150	270	100	10
8779210	<b>132-175</b>	175	295	120	10
8779480	<b>132-200</b>	200	315	155	10
8779560	<b>132-250</b>	250	365	210	10
8779640	<b>132-300</b>	300	415	290	10



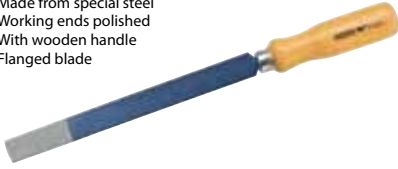




### 133 F

#### FLAT SCRAPER

- Acc. to DIN 8350 Form A
- Made from special steel
- Working ends polished
- With wooden handle
- Flanged blade



Code	No.	mm	mm	mm	mm
8780220	<b>133 F-100</b>	100	200	115	10
8780300	<b>133 F-125</b>	125	225	125	10
8780490	<b>133 F-150</b>	150	270	140	10
8780570	<b>133 F-175</b>	175	295	150	10
8780650	<b>133 F-200</b>	200	315	220	10
8780730	<b>133 F-250</b>	250	365	310	10
8780810	<b>133 F-300</b>	300	415	290	10

### 133 H

#### HARD METAL TIP FLAT SCRAPER

- Soldered hard metal tip
- Wooden handle



Code	No.	mm	mm	mm	mm
4523000	<b>133 H</b>	30	250	365	350

### 133 D

#### GASKET SCRAPER

- Made from special steel
- With wooden handle
- Flanged blade



Code	No.	mm	mm	mm	mm
1395262	<b>133 D-150</b>	150	270	102	10

### 133 K

#### GASKET SCRAPER

- With plastic handle



Code	No.	inch	mm	mm	mm
6535190	<b>133 K</b>	10	240	22.5	200

### 134

#### THREE-EDGED FLAT GROUND SCRAPER

- Acc. to DIN 8350 Form B
- Made from special steel
- Working ends polished
- With wooden handle
- Flanged blade



Code	No.	mm	mm	mm	mm
8781620	<b>134-100</b>	100	200	70	10
8781700	<b>134-125</b>	125	225	80	10
8781890	<b>134-150</b>	150	270	100	10
8781970	<b>134-175</b>	175	295	120	10
8782000	<b>134-200</b>	200	315	155	10
8782190	<b>134-250</b>	250	365	210	10
8782270	<b>134-300</b>	300	415	290	10

### 134 K

#### THREE-SQUARE SCRAPER

- With ground edges
- Shaft PVC coated
- Black plastic handle



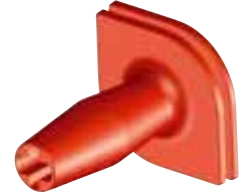
Code	No.	mm	mm	mm	mm
4646860	<b>134 K</b>	6	80	170	60

## CHISELS

### 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)

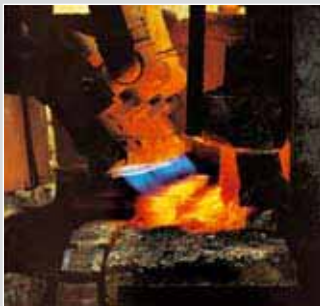


Code	No.	oval	octagonal	mm	mm
8658500	<b>108 UNI</b>	20 x 12	14	182	1
		23 x 13	16		
		26 x 13	18		
		26 x 7	20		



## STRIKING TOOLS

### WHAT IS SO SPECIAL ABOUT GEDORE STRIKING TOOLS?



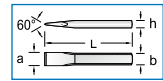
- The material (45 CrMoV7) used by GEDORE is a pure air-hardening steel which hardens at a temperature of about 850°C in still air. This material features very high stability and enormous strength. The tools cannot break even under the hardest working conditions. Pin punches, drift punches and centre punches are also hot forged in our factory and are thus provided with a very homogeneous structure.
- All tools are fully hardened over their whole length
- The hammer heads of our tools are electro-inductively and hence extremely homogeneously tempered. In this way the maximum stability is achieved and splintering is avoided.



### 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, free of burrs
- \* not standardised



Code	No.	*	L	a	b	h	mm	mm
8698560	<b>95-100</b>		100	15	14	9	75	10
8698640	<b>95-125</b>		125	15	14	9	125	10
8698720	<b>95-150</b>		150	18	17	11	225	10
8698800	<b>95-175</b>		175	21	20	12	270	10
8698990	<b>95-200</b>		200	24	23	13	400	10
8699610	<b>95-225</b>	*	225	24	23	13	440	10
8699020	<b>95-253</b>		250	25	23	13	480	10
8699100	<b>95-250</b>	*	250	28	26	13	560	10
8699290	<b>95-303</b>		300	26	23	13	560	10
8699370	<b>95-300</b>	*	300	30	26	13	700	10
8699450	<b>95-400</b>	*	400	30	26	13	905	10
8699530	<b>95-500</b>	*	500	30	26	13	1140	1



## 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

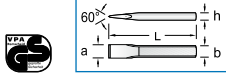
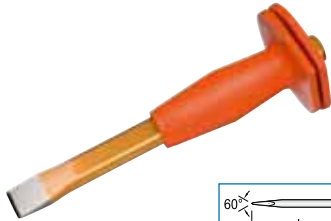
- These tools are subject to the same safety rules as chisels



**95 HS**

**FLAT COLD CHISEL flat oval**

- As no. 95 but with protective hand guard 108 UNI
- Acc. to DIN 6453
- \* not standardised

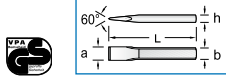
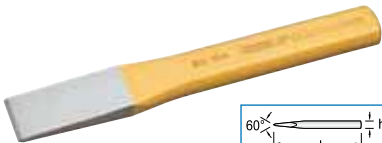


Code	No.	*	L	a	b	h	↕	☒
8699880	<b>95 HS-253</b>		250	25	23	13	640	1
8699960	<b>95 HS-250</b>	*	250	28	26	13	720	1
8700560	<b>95 HS-303</b>		300	25	23	13	720	1
8700640	<b>95 HS-300</b>	*	300	30	26	13	860	1
8700720	<b>95 HS-400</b>	*	400	30	26	13	1065	1
8700800	<b>95 HS-500</b>	*	500	30	26	13	1300	1

**95 N**

**FLAT COLD CHISEL flat oval, extra slim pattern**

- 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

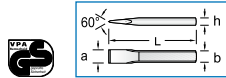


Code	No.	L	a	b	h	↕	☒
8700050	<b>95 N-200</b>	200	26	23	13	365	10
8700130	<b>95 N-250</b>	250	30	26	13	545	10
8700210	<b>95 N-300</b>	300	30	26	13	655	10
8700480	<b>95 N-400</b>	400	30	26	13	915	10

**95 NHS**

**FLAT COLD CHISEL flat oval, extra slim pattern**

- As no. 95 N but with protective hand guard 108 UNI



Code	No.	L	a	b	h	↕	☒
8701530	<b>95 NHS-250</b>	250	30	26	13	705	1
8701610	<b>95 NHS-300</b>	300	30	26	13	815	1
8701880	<b>95 NHS-400</b>	400	30	26	13	1075	1

Detailed information on products, promotions and trade fairs

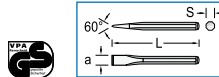
... [www.gedore.com](http://www.gedore.com)



**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, free of burrs

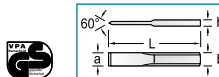


Code	No.	L	a	s	↕	☒	☒
8703820	<b>97-125</b>	125	12	10	90	10	
8703900	<b>97-150</b>	150	16	12	140	10	
8704040	<b>97-175</b>	175	20	16	240	10	
8704120	<b>97-200</b>	200	22	18	305	10	
2004666	<b>97-250</b>	250	24	20	405	10	☒

**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, free of burrs
- 104 HS with protective hand guard 108 UNI

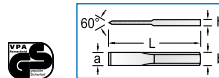
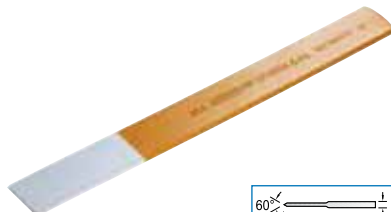


Code	No.	L	a	b	h	↕	☒
8723850	<b>104</b>	240	26	26	7	245	1
8723930	<b>104 HS</b>	240	26	26	7	405	1

**2104**

**SPLITTING CHISEL extra flat**

- Chrome-vanadium steel
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered, copper colour varnished
- Working edges polished and clear varnished, free of burrs

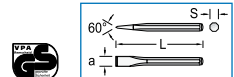


Code	No.	L	a	b	h	↕	☒
8911420	<b>2104</b>	240	26	26	4	185	10

**105**

**SPLITTING 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, free of burrs
- 105 HS with protective hand guard 108 UNI

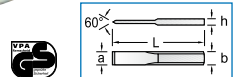


Code	No.	L	a	s	↕	☒
8724660	<b>105-240</b>	240	30	18	385	10
8856730	<b>105-300</b>	300	30	18	470	10
8724740	<b>105 HS-240</b>	240	30	18	545	1
8875280	<b>105 HS-300</b>	300	30	18	630	1

**103**

**BRICK CUTTING CHISEL flat oval**

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered, working edge silver colour
- With broad blade to chisel joints into walls, plaster, tiles, etc.
- 103 HS with protective hand guard 108 UNI

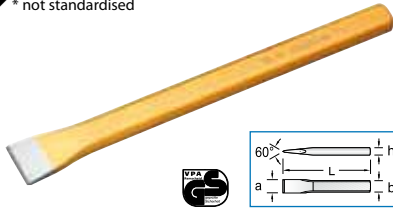


Code	No.	L	a	b	h	↕	☒
8723420	<b>103-50</b>	250	50	26	13	580	5
8723500	<b>103-60</b>	250	60	26	13	600	5
8723690	<b>103-80</b>	250	80	26	13	630	5
8746710	<b>103 HS-50</b>	250	50	26	13	740	1
8912310	<b>103 HS-60</b>	250	60	26	13	760	1
8721800	<b>103 HS-80</b>	250	80	26	13	790	1



**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, free of burrs
- \* not standardised



Code	No.	*	L	a	b	h	↕	☑
8728650	<b>109-200</b>		200	26	20	12	320	10
8728730	<b>109-250</b>		250	26	20	12	410	10
8728810	<b>109-300</b>		300	29	23	13	590	10
8729030	<b>109-350</b>		350	29	23	13	690	10
8729110	<b>109-400</b>		400	29	23	13	840	10
8729380	<b>109-500</b>		500	32	26	13	1210	1
8729460	<b>109-600</b>	*	600	32	26	13	1350	1
8729540	<b>109-800</b>	*	800	32	26	13	1950	1
8861140	<b>109-1000</b>	*	1000	32	26	13	2550	1

**109 HS****BRICKLAYER'S CHISEL flat oval**

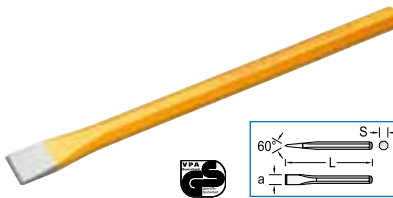
- As no. 109 but with protective hand guard 108 UNI
- Acc. to DIN 7254 Form A
- \* not standardised



Code	No.	*	L	a	b	h	↕	☑
8729620	<b>109 HS-250</b>		250	26	20	12	480	1
8729700	<b>109 HS-300</b>		300	29	23	13	570	1
8730550	<b>109 HS-350</b>		350	29	23	13	750	1
8730630	<b>109 HS-400</b>		400	29	23	13	1000	1
8730710	<b>109 HS-500</b>		500	32	26	13	1370	1
8730980	<b>109 HS-600</b>	*	600	32	26	13	1510	1
8732410	<b>109 HS-800</b>	*	800	32	26	13	2110	1
8911930	<b>109 HS-1000</b>	*	1000	32	26	13	2710	1

**110****BRICKLAYER'S CHISEL octagonal**

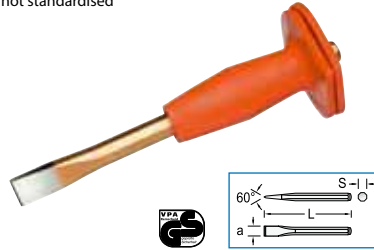
- Acc. to DIN 7254 Form B
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished, free of burrs
- \* not standardised



Code	No.	*	L	a	s	↕	☑
8731280	<b>110-216</b>		200	23	16	295	10
8731440	<b>110-256</b>		250	23	16	380	10
8731600	<b>110-316</b>	*	300	23	16	460	10
8731790	<b>110-318</b>		300	26	18	635	10
8731870	<b>110-358</b>		350	26	18	700	10
8731950	<b>110-418</b>	*	400	26	18	810	10
8732090	<b>110-420</b>		400	30	20	970	10
8732170	<b>110-520</b>		500	30	20	1240	1
8732250	<b>110-622</b>	*	600	32	22	1510	1

**110 HS****BRICKLAYER'S CHISEL octagonal**

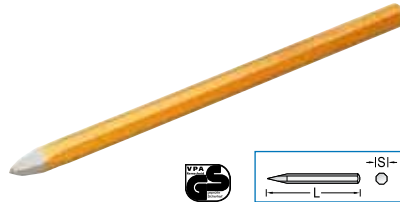
- As no. 110 but with protective hand guard 108 UNI
- Acc. to DIN 7254 Form B
- \* not standardised



Code	No.	*	L	a	s	↕	☑
8732680	<b>110 HS-256</b>		250	23	16	540	1
8732840	<b>110 HS-316</b>	*	300	23	16	620	1
8733140	<b>110 HS-318</b>		300	26	18	635	1
8732920	<b>110 HS-358</b>		350	26	18	700	1
8733060	<b>110 HS-418</b>	*	400	26	18	810	1
8733220	<b>110 HS-420</b>		400	30	20	970	1
8733300	<b>110 HS-520</b>		500	30	20	1420	1

**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



Code	No.	L	s	↕	☑
8741080	<b>111-216</b>	200	16	315	10
8741240	<b>111-256</b>	250	16	380	10
8741400	<b>111-316</b>	300	16	460	10
8741590	<b>111-318</b>	300	18	600	10
8741670	<b>111-358</b>	350	18	700	10
8741750	<b>111-418</b>	400	18	810	10
8741830	<b>111-420</b>	400	20	970	10
8741910	<b>111-520</b>	500	20	1240	1
8742050	<b>111-622</b>	600	22	1510	1

**111 HS****POINT CHISEL octagonal**

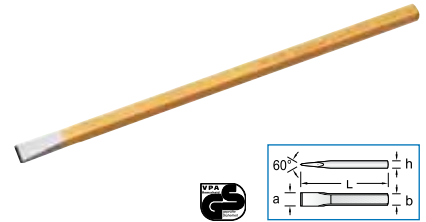
- As no. 111 but with protective hand guard 108 UNI
- Acc. to DIN 7256



Code	No.	L	s	↕	☑
8742210	<b>111 HS-256</b>	250	16	540	1
8742560	<b>111 HS-316</b>	300	16	620	1
8742800	<b>111 HS-318</b>	300	18	760	1
8742640	<b>111 HS-358</b>	350	18	860	1
8742720	<b>111 HS-418</b>	400	18	970	1
8742990	<b>111 HS-420</b>	400	20	1130	1
8743020	<b>111 HS-520</b>	500	20	1400	1

**112****ELECTRICIANS' CHISEL square**

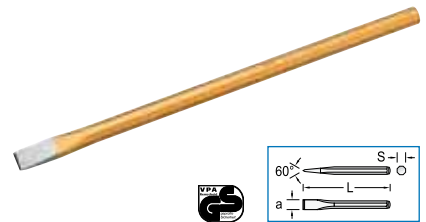
- Made from chrome-vanadium steel
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished, free of burrs



Code	No.	L	a	s	↕	☑
8744500	<b>112-2006</b>	200	6	6	50	10
8744690	<b>112-2008</b>	200	8	6	55	10
8744770	<b>112-2100</b>	200	10	7	75	10
8744930	<b>112-2508</b>	250	8	6	70	10
8745070	<b>112-2510</b>	250	10	7	95	10
8745150	<b>112-2512</b>	250	12	8	120	10
8745230	<b>112-2515</b>	250	15	10	190	10
8745310	<b>112-3000</b>	300	15	10	240	10

**112 A****ELECTRICIANS' CHISEL octagonal**

- Made from chrome-molybdenum-vanadium air hardening steel
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- Working edge polished and clear varnished, free of burrs



Code	No.	L	a	s	↕	☑
8745820	<b>112 A-200</b>	200	10	10	120	10
8745900	<b>112 A-250</b>	250	12	10	156	10
8746040	<b>112 A-300</b>	300	15	12	275	10

**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, free of burrs



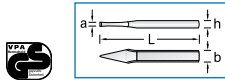
Code	No.	L	↕	☑
8746550	<b>112 S</b>	200	200	10



**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, free of burrs
- 96 HS with protective hand guard 108 UNI

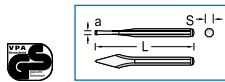


Code	No.	L	a	b	h	t	HS
8702180	<b>96-125</b>	125	5	14	9	140	10
8702260	<b>96-150</b>	150	6	17	11	220	10
8702340	<b>96-175</b>	175	7	17	11	270	10
8702420	<b>96-200</b>	200	8	20	12	380	10
8702500	<b>96-250</b>	250	9	23	13	535	10
8702690	<b>96-300</b>	300	10	23	13	690	10
8702770	<b>96 HS-250</b>	250	9	23	13	695	1
8702850	<b>96 HS-300</b>	300	10	23	13	850	1

**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, free of burrs

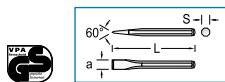


Code	No.	L	a	s	t	HS
8704630	<b>98-125</b>	125	5	10	90	10
8704710	<b>98-150</b>	150	7	12	140	10
8704980	<b>98-175</b>	175	9	16	240	10
8705010	<b>98-200</b>	200	10	18	305	10

**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

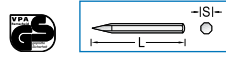


Code	No.	L	a	s	t	HS
8879270	<b>202-80</b>	80	6	6	30	10
8879350	<b>202-90</b>	90	8	6	40	10
8879430	<b>202-100</b>	100	10	7	60	10

**203**

**TILE CHISEL pointed**

- Chrome-vanadium steel 59CrV4
- Driving point polished and clear varnished



Code	No.	L	s	t	HS
8880010	<b>203-80</b>	80	6	30	10
8880280	<b>203-100</b>	100	7	50	10

**207**

**CARBIDE TILE CHISEL**

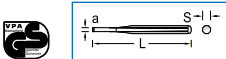


Code	No.	mm	mm	HS
8881090	<b>207-85</b>	90	8	45 10

**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

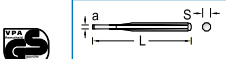


Code	No.	L	a	s	t	HS
8775650	<b>128-2</b>	120	2	10	75	10
8775730	<b>128-3</b>	120	3	10	75	10

**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



Code	No.	L	a	s	t	HS
8776380	<b>129-2</b>	150	2	10	75	10
8776460	<b>129-3</b>	150	3	10	80	10
8776540	<b>129-4</b>	150	4	10	85	10
8776620	<b>129-5</b>	150	5	10	85	10
8776700	<b>129-6</b>	150	6	10	90	10



**DRIFT / CENTRE / PIN PUNCHES**

**HS 100 - HS 119**

**PROTECTIVE HAND GUARD made from PVC**

- For pin punches, centre punches and drift punches
- Ergonomic and safe
- Suitable for size 8-12 mm

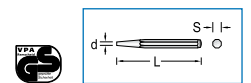


Code	No.	mm	HS
8749300	<b>HS 100</b>	63	10 1
8749220	<b>HS 119</b>	95	17 1

**99**

**DRIFT PUNCH**

- 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



Code	No.	*	L	s	d	t	HS
8708700	<b>99 10-1</b>		120	10	1	60	10
8708970	<b>99 10-2</b>		120	10	2	60	10
8709190	<b>99 10-3</b>		120	10	3	60	10
8709350	<b>99 10-4</b>		120	10	4	60	10
8709510	<b>99 10-5</b>		120	10	5	60	10
8709780	<b>99 10-6</b>		120	10	6	60	10
8710520	<b>99 12-1</b>		120	12	1	90	10
8710790	<b>99 12-2</b>		120	12	2	90	10
8710950	<b>99 12-3</b>		120	12	3	90	10
8711170	<b>99 12-4</b>		120	12	4	90	10
8711330	<b>99 12-5</b>		120	12	5	90	10
8711410	<b>99 12-6</b>		120	12	6	90	10
8711680	<b>99 12-7</b>		120	12	7	100	10
8711760	<b>99 12-8</b>		120	12	8	105	10
8711840	<b>99 12-9</b>	*	120	12	9	105	10
8711920	<b>99 12-10</b>	*	120	12	10	110	10
8713890	<b>99 15-9</b>		150	12	9	130	10
8713970	<b>99 15-10</b>		150	12	10	135	10
8714430	<b>99 15-12</b>	*	150	14	12	185	10
8714940	<b>99 15-14</b>	*	150	16	14	245	10



### 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

Code	No.	*	L	s	d	⚙️	📦
8721050	<b>100-10</b>		120	10	4	60	10
8721130	<b>100-12</b>		120	12	5	95	10
8721210	<b>100-15</b>		150	12	5	120	10
8721480	<b>100-16</b>	*	150	16	8	240	10

Code	No.	*	L	s	d	⚙️	📦
8721050	<b>100-10</b>		120	10	4	60	10
8721130	<b>100-12</b>		120	12	5	95	10
8721210	<b>100-15</b>		150	12	5	120	10
8721480	<b>100-16</b>	*	150	16	8	240	10

### 100 A

#### CENTRE PUNCH with carbide tip

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7

Code	No.	L	s	d	⚙️	📦
8721720	<b>100 A-10</b>	120	10	4	45	10
1568396	<b>100 A-12</b>	130	12	4	110	10

### 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

Code	No.	L	s	d	⚙️	📦
8722880	<b>101</b>	145	16	4	128	1
8870800	<b>E 101</b>			4	12	1

### 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

Code	No.	*	L <sub>1</sub>	L <sub>2</sub>	d	s	⚙️	📦
2004658	<b>119-1,5</b>	*	110	30	1.5	8	65	10
8758640	<b>119-2</b>		150	30	2.0	10	65	10
8758720	<b>119-2,5</b>	*	150	30	2.5	10	65	10
8758800	<b>119-3</b>		150	40	3.0	10	65	10
8758990	<b>119-3,5</b>	*	150	40	3.5	10	65	10
8759020	<b>119-4</b>		150	50	4.0	10	65	10
8759290	<b>119-5</b>		150	50	5.0	10	70	10
8759370	<b>119-6</b>		150	50	6.0	10	75	10
8759450	<b>119-7</b>	*	150	50	7.0	12	105	10
8759530	<b>119-8</b>		150	50	8.0	12	110	10
8759610	<b>119-9</b>	*	150	50	9.0	12	115	10
8759880	<b>119-10</b>	*	150	50	10.0	12	125	10
8759960	<b>119-12</b>	*	150	50	12.0	14	180	10
8760110	<b>119-84</b>	*	180	80	4.0	10	80	10
8760380	<b>119-86</b>	*	180	80	6.0	10	85	10
8761350	<b>119-175</b>		175	85	6.0	10	85	10

Code	No.	*	L <sub>1</sub>	L <sub>2</sub>	d	s	⚙️	📦
2004658	<b>119-1,5</b>	*	110	30	1.5	8	65	10
8758640	<b>119-2</b>		150	30	2.0	10	65	10
8758720	<b>119-2,5</b>	*	150	30	2.5	10	65	10
8758800	<b>119-3</b>		150	40	3.0	10	65	10
8758990	<b>119-3,5</b>	*	150	40	3.5	10	65	10
8759020	<b>119-4</b>		150	50	4.0	10	65	10
8759290	<b>119-5</b>		150	50	5.0	10	70	10
8759370	<b>119-6</b>		150	50	6.0	10	75	10
8759450	<b>119-7</b>	*	150	50	7.0	12	105	10
8759530	<b>119-8</b>		150	50	8.0	12	110	10
8759610	<b>119-9</b>	*	150	50	9.0	12	115	10
8759880	<b>119-10</b>	*	150	50	10.0	12	125	10
8759960	<b>119-12</b>	*	150	50	12.0	14	180	10
8760110	<b>119-84</b>	*	180	80	4.0	10	80	10
8760380	<b>119-86</b>	*	180	80	6.0	10	85	10
8761350	<b>119-175</b>		175	85	6.0	10	85	10

### 114

#### PIN PUNCH with guide sleeve

- Driving point made from material 115CrV3, hardened 55-59 HRC
- Shank knurled
- Fine grinded and polished

Code	No.	L	d	⚙️	📦
8755460	<b>114-09</b>	80	0.9	10	10
8755540	<b>114-14</b>	85	1.4	10	10
8755620	<b>114-18</b>	88	1.8	11	10
8755700	<b>114-24</b>	92	2.4	24	10
8755890	<b>114-28</b>	96	2.8	24	10
8755970	<b>114-34</b>	96	3.4	25	10
8756000	<b>114-39</b>	100	3.9	26	10
8756190	<b>114-59</b>	100	5.9	34	10

### 115

#### PIN PUNCH SET 8 pieces

- In metal case with lid
- With guide sleeve
- Driving point made from material 115CrV3, hardened 55-59 HRC
- Shank knurled
- Fine grinded and polished

Code	No.	⚙️	📦
8756780	<b>115</b>	180	1
	<b>114-09 -14 -18 -24</b>		
	<b>-28 -34 -39 -59</b>		

## 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

Code	No.	Execution	⚙️	📦
8757240	<b>116</b>	wooden stand	730	1
	<b>119-3 -4 -5 -6 -7 -8</b>			
8758050	<b>116 D</b>	metal case with lid	800	1
	<b>119-3 -4 -5 -6 -7 -8</b>			
8757670	<b>116 A</b>	PVC holder	510	1
	<b>119-3 -4 -5 -6 -7 -8</b>			
8839990	<b>116 L</b>	PVC holder	525	1
	<b>119-2 -3 -5 -84 -86 -175</b>			



Deviant packing units see article description.



**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



Code	No.	Execution	↕	📦
8753680	<b>113</b>	PVC holder	450	1
	<b>99</b>	10-1 2 3		
	<b>99</b>	12-4 5		
	<b>100</b>	10-10		
8754060	<b>113 D</b>	metal case with lid	720	1
	<b>99</b>	10-1 2 3		
	<b>99</b>	12-4 5		
	<b>100</b>	10-10		

Detailed information on products, promotions and trade fairs

... [www.gedore.com](http://www.gedore.com)



**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

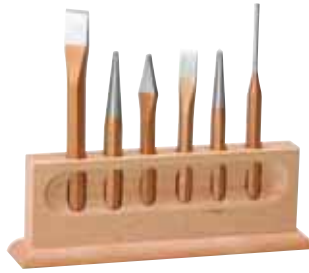


Code	No.	Execution	↕	📦
8725200	<b>106</b>	PVC holder	550	1
	<b>97</b>	125 150		
	<b>98</b>	125		
	<b>99</b>	12-3		
	<b>100</b>	10-10		
	<b>119</b>	4		
8725710	<b>106 D</b>	Metal case with lid	820	1
	<b>97</b>	125 150		
	<b>98</b>	125		
	<b>99</b>	12-3		
	<b>100</b>	10-10		
	<b>119</b>	4		

**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

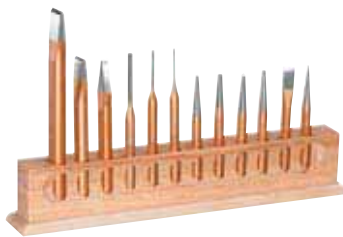


Code	No.	↕	📦
8723340	<b>102</b>	785	1
	<b>97</b>	125 150	
	<b>98</b>	125	
	<b>99</b>	12-3	
	<b>100</b>	10-10	
	<b>119</b>	4	

**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



Code	No.	↕	📦
8726440	<b>107</b>	2075	1
	<b>95</b>	150 200	
	<b>96</b>	150	
	<b>97</b>	125	
	<b>99</b>	10-2 3 4 5	
	<b>100</b>	10-10	
	<b>119</b>	2 3 5	

**MERCHANDISER**

**1130**

**MERCHANDISER FOR STRIKING TOOLS 130 pieces**

- ▶ Tools made from chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- ▶ Merchandiser made from sheet metal



Code	No.	↕	📦
8901970	<b>1130</b>	12.4	1
	<b>10</b>	pieces each	
	<b>119</b>	2 3 4 5 6 7 8	
	<b>99</b>	10-2 3 4 5	
	<b>100</b>	10-10 12	

**1132**

**CHISEL MERCHANDISER 132 pieces**

- ▶ Chisels made from chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- ▶ Merchandiser made from acrylic sheeting, colour printed



Code	No.	↕	📦
8779800	<b>1132</b>	24.0	1
	<b>6</b>	pieces each	
	<b>95</b>	150 200 250 300	
	<b>96</b>	150 200	
	<b>99</b>	10-2 3 4 5	
	<b>99</b>	12-6 8	
	<b>100</b>	10-10 12	
	<b>119</b>	2 3 4 5 6 7 8	
	<b>104</b>		

**1190**

**CHISEL MERCHANDISER 90 pieces**

- ▶ Chisels made from chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- ▶ Merchandiser made from sheet metal



Code	No.	↕	📦
8913040	<b>1190</b>	39.8	1
	<b>10</b>	pieces each	
	<b>95</b>	200 95-250	
	<b>103</b>	60	
	<b>104</b>		
	<b>109</b>	300	
	<b>110</b>	316	
	<b>111</b>	316	
	<b>112</b>	A-250	
	<b>112</b>	2508	

**3200**

**CHISEL MERCHANDISER 320 pieces**

- ▶ Assortment of best selling articles
- ▶ Chisels made from chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- ▶ Merchandiser made from sheet metal



Code	No.	↕	📦
8604840	<b>3200</b>	99.0	1
	<b>10</b>	pieces each	
	<b>95</b>	150 175 200 250	
	<b>96</b>	175 99 10-2 3 4	
	<b>100</b>	12 15 104	
	<b>109</b>	250 300 350 400	
	<b>110</b>	256 316 418	
	<b>111</b>	254 316 418	
	<b>112</b>	2006 2508 2512	
	<b>112</b>	A-300 119-2 3 4 5	
	<b>202</b>	100 203-100	
	<b>5</b>	pieces each 103-60 80	



## VARIOUS

### 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



Code	No.	mm	mm	mm	mm
8880600	<b>206-150</b>	150	8	90	10

### 208

#### CARBIDE SCRIBER hexagonal



Code	No.	mm	mm	mm	mm
8881680	<b>208-150</b>	150	6	60	10

### 126

#### RIVETTING SETTER

- DIN 6434
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Working edge polished and clear varnished



Code	No.	for rivet shaft Ø				L	s	mm	mm
		mm	internal Ø	mm	mm				
8774090	<b>126-2</b>	2	2.5	100	10	60	10		
8774170	<b>126-3</b>	3	3.5	100	10	60	10		
8774250	<b>126-4</b>	4	4.5	100	12	90	10		
8774330	<b>126-5</b>	5	6.0	110	12	90	10		
8774410	<b>126-6</b>	6	7.0	110	14	140	10		
8774680	<b>126-8</b>	8	9.0	120	16	190	10		

### 127

#### RIVETTING SNAP DIE

- DIN 6435
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Working edge polished and clear varnished



Code	No.	for rivet shaft Ø				L	s	mm	mm
		mm	internal Ø	mm	mm				
8775060	<b>127-2</b>	2	3.5	100	10	60	10		
8775140	<b>127-3</b>	3	5.2	100	10	60	10		
8775220	<b>127-4</b>	4	7.0	100	12	60	10		
8775300	<b>127-5</b>	5	8.8	110	14	90	10		
8775490	<b>127-6</b>	6	10.5	110	16	180	10		
8775570	<b>127-8</b>	8	14.0	120	20	325	10		

### 125 B

#### SET OF RIVETTING SETTERS AND SNAP DIES

- 6 pieces
- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Working edge polished and clear varnished
- In PVC holder



Code	No.	mm	mm
8773600	<b>125 B</b>	480	1
	<b>126-2 3 4</b>		
	<b>127-2 3 4</b>		

### 90 HS

#### RIVET SETTER octagonal

- Chrome-vanadium steel 59CrV4, zinc-plated
- Carefully hardened and tempered along the full length
- Striking heads inductively tempered
- With black protective hand guard for safe comfortable working
- DBGM (= German Utility Patent)

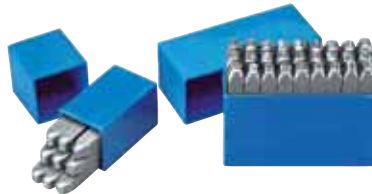


Code	No.	L	s	mm	mm
8885830	<b>90 HS-4</b>	160	18	490	1
8886130	<b>90 HS-6</b>	160	18	490	1

### 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
- No. 2200 = 9 numbers, 6 mm printing height
- No. 2201 = 27 letters, 6 mm printing height



Code	No.	mm	mm	mm	mm
8605140	<b>2200-6</b>	70	9	400	1
8605220	<b>2201-6</b>	70	9	1200	1

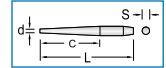


## BENDING BARS / PRYBARS

### 135

#### SETTING PUNCH

- Chrome-vanadium steel 59CrV4
- Hardened and tempered along the full length
- Special sizes available on request

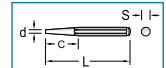


Code	No.	L	c	d	s	mm	mm
8782350	<b>135-5</b>	180	110	5	12	110	1
8782430	<b>135-6</b>	200	120	6	13	150	1
8782510	<b>135-8</b>	200	130	8	16	220	1
8782780	<b>135-9</b>	200	130	9	20	340	1
8782860	<b>135-10</b>	230	140	10	22	460	1
8782940	<b>135-11</b>	250	155	11	25	620	1
8783080	<b>135-12</b>	280	170	12	27	870	1
8783160	<b>135-14</b>	315	190	14	30	1260	1
8783240	<b>135-15</b>	340	200	15	32	1570	1
8783320	<b>135-16</b>	380	220	16	36	2230	1

### 136

#### TAPER PUNCH octagonal

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length

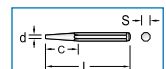


Code	No.	L	c	d	s	mm	mm
8783400	<b>136-500</b>	500	170	5	20	970	1

### 137

#### BENDING BAR

- Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- Carefully hardened and tempered along the full length



Code	No.	L	c	d	s	mm	mm
8783590	<b>137-600</b>	600	120	5	20	1300	1



**138**

**BENDING TOOL**

- ▶ Chrome-molybdenum-vanadium air hardening steel 45CrMoV7, nickel-plated
- ▶ Carefully hardened and tempered along the full length



Code	No.	l-mm	Ø	W	H
1396609	<b>138-400</b>	400	610	1	

**139**

**PRYBAR**

- ▶ Chrome-vanadium steel 31CrV3, nickel-plated



Code	No.	l-mm	W	H
1396595	<b>139-400</b>	400	490	1

**140**

**UNIVERSAL PRYBAR**

- ▶ Made from special steel
- ▶ Hardened along the full length, cutting edge polished
- ▶ With three nail pullers



Code	No.	l-mm	W	H
8894310	<b>140-380</b>	380	635	1

**141**

**PRYBAR**

- ▶ Chrome-molybdenum-vanadium air hardening steel 45CrMoV7, chromated
- ▶ Hardened along the full length
- ▶ With plastic handle
- ▶ Very robust and resilient



Code	No.	l-mm	mm	W	H
1471945	<b>141-300</b>	300	11	195	1
1471937	<b>141-390</b>	390	13	371	1
1471929	<b>141-600</b>	600	20	768	1

**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



Code	No.	l-mm	W	H
1525476	<b>S 141-3</b> <b>141-300 390 600</b>	510		1

**142**

**ALUMINIUM PRYBAR**

- ▶ Forged of high-class aluminium
- ▶ Carefully hardened
- ▶ Extremely light and very robust
- ▶ For universal use - with pry and tip



Code	No.	l-mm	W	H
1859188	<b>142-430</b>	430	400	1



**NAIL LIFTER / CROWBARS**

**120**

**WRECKING BAR octagonal**

- ▶ Chrome-molybdenum-vanadium air hardening steel 45CrMoV7, copper colour varnished
- ▶ Carefully hardened and tempered along the full length



Code	No.	l-mm	octagonal	W	H
8769330	<b>120-350</b>	350	18	890	1
8769410	<b>120-500</b>	500	18	1195	1
8769680	<b>120-600</b>	600	18	1440	1
8769760	<b>120-700</b>	700	18	1635	1
8769840	<b>120-800</b>	800	18	1860	1
8769920	<b>120-1000</b>	1000	18	2390	1

**121**

**NAIL LIFTER octagonal**

- ▶ For lifting very long nails
- ▶ No underlay aids are necessary because of the ratchet function
- ▶ Chrome-molybdenum-vanadium air hardening steel 45CrMoV7
- ▶ Carefully hardened and tempered along the full length



Code	No.	l-mm	octagonal	W	H
8577930	<b>121-600</b>	600	18	1718	1

**122**

**CROWBAR**

- ▶ With straight cutting edge and point



Code	No.	l-mm	Ø	W	H
8770500	<b>122-1000</b>	1000	30	5.5	1
8770690	<b>122-1250</b>	1250	30	6.9	1
8770770	<b>122-1500</b>	1500	30	8.3	1
8852580	<b>122-2000</b>	2000	30	11.0	1

**123**

**CROWBAR**

- ▶ With curved cutting edge and point



Code	No.	l-mm	Ø	W	H
8771230	<b>123-1000</b>	1000	30	5.5	1
8771310	<b>123-1250</b>	1250	30	6.9	1
8771580	<b>123-1500</b>	1500	30	8.3	1
8852660	<b>123-2000</b>	2000	30	11.0	1

**124**

**CROWBAR**

- ▶ With claw and point



Code	No.	l-mm	Ø	W	H
8772040	<b>124-1000</b>	1000	30	5.5	1
8772120	<b>124-1250</b>	1250	30	6.9	1
8772200	<b>124-1500</b>	1500	30	8.3	1
8852740	<b>124-2000</b>	2000	30	11.0	1

**150**

**CROWBAR**

- ▶ Heavy-duty model, edged
- ▶ With curved cutting edge and point



Code	No.	l-mm	W	H
8823990	<b>150-1000</b>	1000	4.5	1
8824020	<b>150-1250</b>	1250	6.7	1
8824100	<b>150-1500</b>	1500	8.1	1
8824450	<b>150-2000</b>	2000	13.6	1

**151**

**CROWBAR**

- ▶ Heavy-duty model
- ▶ With round head and cutting edge



Code	No.	l-mm	Ø	W	H
8824530	<b>151-1000</b>	1000	30	6.0	1
8824610	<b>151-1250</b>	1250	30	7.1	1
8824880	<b>151-1500</b>	1500	30	8.4	1

**152**

**CROWBAR**

- ▶ Heavy-duty model
- ▶ With round head and point



Code	No.	l-mm	Ø	W	H
8824960	<b>152-1000</b>	1000	30	6.0	1
8825180	<b>152-1250</b>	1250	30	7.1	1
8825260	<b>152-1500</b>	1500	30	8.4	1

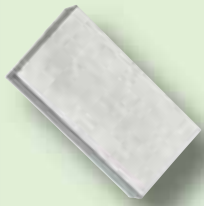




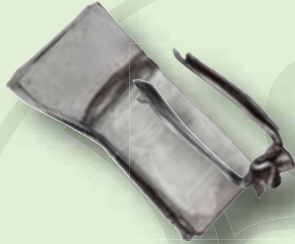
# FORESTRY AND CARPENTER'S TOOLS

OUT OF THE FORGE ...

... AND INTO THE FOREST



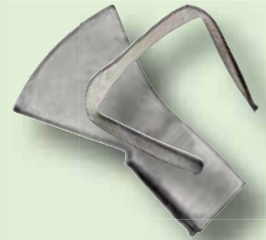
① The forged blanks are sawn off from rolled C60 tempering steel.



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.



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Partner of the  Group

# TIGHTENING / TEST TORQUE

Suggested bolt tightening torque in Nm (Newton metres)							Wrench/spanner test torques in accordance with DIN ISO 1711-1 (minimum guaranteed values) Nm													
<p>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 and 7990. These produce a 90% utilization 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 <math>MoS_2</math> compound and with cadmium-plated connecting elements on both sides, the tightening torque should be reduced by around 20%.</p>							No. 2, 2A, 2B		No. 4		No. 6, 1B, 7, 400		No. 25		No. 26 R No. 626		No. 35 A No. 35 B No. 3112		No. 894 No. 895	
							<p><b>Tightening values for quality grade as per DIN 267</b></p>							No. 1B, 308, 7						
M	Tightening values for quality grade as per DIN 267						mm													
	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	4			1,90										
M 2,2	0,196	0,265	0,510	0,598	0,843	1,010	4,5*			2,64										
M 2,5	0,284	0,373	0,726	0,863	1,206	1,451	5	11,5		3,55										
M 3	0,441	0,588	1,128	1,344	1,883	2,256	5,5	14,4		4,64		14,4			2,32					
M 3,5	0,677	0,902	1,736	2,060	2,893	3,481	6*	17,6	7,4	5,92		17,6			2,96					
M 4	1,000	1,344	2,599	3,040	4,315	5,148	7	25,2	11,4	9,12		25,2			4,56					
M 5	1,916	2,648	5,099	6,031	8,483	10,200	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						
M 6	3,432	4,511	8,728	10,300	14,710	17,652	10	58,1	31	24,8	58,1	58,1	58,1	58,1	12,4					
M 7	5,590	7,453	14,220	17,162	24,517	28,439	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						
M 8	8,238	10,787	21,575	25,497	35,304	42,168	13 14*	107 128	64,5 79,4	51,6 63,5	107 128	107 128	107 128	25,8 31,7						
M 10	16,67	21,575	42,168	50,014	70,608	85,317	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						
M 12	28,44	38,246	73,550	87,279	122,60	147,10	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						
M 14	45,11	60,801	116,70	138,30	194,20	235,40	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						
M 16	69,63	93,163	178,5	210,80	299,10	357,90	24 25* 26*	451 496 544	359 402 449	287 322 359	451 496 544	451 496 544	451 496 544	143 161 179						
M 18	95,12	127,50	245,20	289,3	411,90	490,30	27 28*	594 647	499 552	399 442	594 647	594 647	594 647	199 221						
M 20	135,3	180,45	384,10	411,90	578,60	696,30	30	760	670	536	760	760	760	268						
M 22	182,4	245,16	470,70	559,00	784,50	941,40	32* 34	884 1019	804 951	643 761	884 1019	884 1019	884 1019	321 381						
M 24	230,5	308,91	598,20	711,00	1000	1196	36	1165	1117	894	1165	1165	1165	447						
M 27	343,2	460,90	887,50	1049	1481	1775	41	1579	1442	1154	1579	1579	1579	577						
M 30	465,8	622,72	1206	1422	2010	2403	46	2067	1816	1453	2067	2067	2067	726						
M 33	632,5	848,30	1628	1932	2716	3266	50	2512	2145	1716	2512	2512	2512	858						
M 36	814,0	1089	2099	2481	3491	4197	55	3140		2077	3140	3140	3140	1038						
M 39	1059	1412	2716	3226	4531	5443	60	3849		2471	3849		3849	1235						
M 42	1304	1746	3364	3991	5609	6727	65	4021		2900	4021		4021	1422						
M 45	1638	2177	4207	4992	7012	8414	70	4658		3364	4658		4658	1618						
M 48	1981	2638	5080	6021	8473	10150	75	5394		3862			5394	1765						
M 52	2540	3393	6541	7747	10885	13092	80	6178		4394			6178	1912						
M 56	3168	4227	8149	9650	13582	16279	85	6963					6963	2059						
M 60	3932	5247	10101	11964	16867	20202	90	7845					7845	-						
M 64	4737	6306	12160	14416	20300	24320	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 standardized.





# TIGHTENING / TEST TORQUE

Wrench/spanner test torques in accordance with DIN ISO 1711-1 (minimum guaranteed values) Nm						Test torques for tightening tools for hexagon socket head screws								
M	mm	With square socket head 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
		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 80	52 80		
M 10	15 16 17*		198 225 225	331 377 425			8 9	120 165	120	120	120	120		
M 12	18 19* 20*		225 225 225	477 531 569			10 12	220 370	220 370		220	220		
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						
M 36	55				1569	2562	27	3910						2700
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.

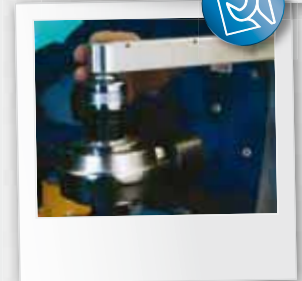
### Attention:

Hand tightening sockets are unsuited to use with impact drivers. Inappropriate use poses an accident risk. Power driver sockets can be found up from page 137.



# HEAD WIDTHS AND THREAD DIAMETERS

mm				Head widths		Thread Ø		Head widths	
	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
2,5 3 3,2	1 1,4 and 1,2 1,6								
4 4,5 5	2 2,3 2,5		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
5,5 6	3 3,5		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
7 7+8	4 5		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
9 8+10	5 Old 6		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
11 12 10+13	7 8		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
14* 15 16	8 Old 10 KFZ 10		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
13+15+17 18 15+18+19	10 12 12		11/16 3/4	0,6875 0,7500	17,46 19,05	3/8 W	7/16	0,710	18,03
20* 18+21 22+24	14 14	12	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
23* 21+24* 25*+27*	16		15/16 1.	0,9375 1,0000	23,81 25,40	1/2 W	9/16	0,920	23,37
26* 27 27+28*+30	18	16	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
27+30+34 32+36+41	20 22	20	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
34 36+41	22 24	22	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
38* 41+46	27	24	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
46+50	30	27	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
50+55 55+60	33 36	30	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
60+65	39	36	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
65 70	42 45		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
75	48		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
80 85 90	52 56 60		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
95 100	64 68		3.3/4 3.7/8	3,7500 3,8750	95,25 98,42		2.3/4	3,890	98,81
105 110 115	72 76 80		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
120 125*	85		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
130 135 140*	90 95		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
145 150 155	100 105 110		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
160* 165 170	115 120								
175* 180 185	125 130								
200 210	140 150								



\* not standardised





## Conversion tables inches to decimal-inches and mm

in.	dec. in.	mm	in.	dec. in.	mm
<b>0</b>	<b>0</b>	<b>0</b>	<b>1/2</b>	<b>0.5</b>	<b>12,7000</b>
1/64	0.015625	0,3969	33/64	0.515625	13,0969
1/32	0.03125	0,7938	17/32	0.53125	13,4938
3/64	0.046875	1,1906	35/64	0.546875	13,8906
<b>1/16</b>	<b>0.0625</b>	<b>1,5875</b>	<b>9/16</b>	<b>0.5625</b>	<b>14,2875</b>
5/64	0.078125	1,9844	37/64	0.578125	14,6844
3/32	0.09375	2,3812	19/32	0.59375	15,0812
7/64	0.109375	2,7781	39/64	0.609375	15,4781
<b>1/8</b>	<b>0.125</b>	<b>3,1750</b>	<b>5/8</b>	<b>0.625</b>	<b>15,8750</b>
9/64	0.140625	3,5719	41/64	0.640625	16,2719
5/32	0.15625	3,9688	21/32	0.65625	16,6688
11/64	0.171875	4,3656	43/64	0.671875	17,0656
<b>3/16</b>	<b>0.1875</b>	<b>4,7625</b>	<b>11/16</b>	<b>0.6875</b>	<b>17,4625</b>
13/64	0.203125	5,1594	45/64	0.703125	17,8594
7/32	0.21875	5,5562	23/32	0.71875	18,2562
15/64	0.234375	5,9531	47/64	0.734375	18,6531
<b>1/4</b>	<b>0.25</b>	<b>6,3500</b>	<b>3/4</b>	<b>0.75</b>	<b>19,0500</b>
17/64	0.265625	6,7469	49/64	0.765625	19,4469
9/32	0.28125	7,1438	25/32	0.78125	19,8438
19/62	0.296875	7,5406	51/64	0.796875	20,2406
<b>5/16</b>	<b>0.3125</b>	<b>7,9375</b>	<b>13/16</b>	<b>0.8125</b>	<b>20,6375</b>
21/64	0.328125	8,3344	53/64	0.828125	21,0344
11/32	0.34375	8,7312	27/32	0.84375	21,4312
23/64	0.359375	9,1281	55/64	0.859375	21,8281
<b>3/8</b>	<b>0.375</b>	<b>9,5250</b>	<b>7/8</b>	<b>0.875</b>	<b>22,2250</b>
25/64	0.390625	9,9219	57/64	0.890625	22,6219
13/32	0.40625	10,3188	29/32	0.90625	23,0188
27/64	0.421875	10,7156	59/64	0.921875	23,4156
<b>7/16</b>	<b>0.4375</b>	<b>11,1125</b>	<b>15/16</b>	<b>0.9375</b>	<b>23,8125</b>
29/64	0.453125	11,5094	61/64	0.953125	24,2094
15/32	0.46875	11,9062	31/32	0.96875	24,6062
31/64	0.484375	12,3031	63/64	0.984375	25,0031
			1	1	25,4000

Nominal size/s in mm	Tolerance class 1 as per ISO 691 dimensions		Tolerance class 2* 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 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



# TORQUE CONVERSION TABLES

## Torque conversion factors

Units to be	Corresponding unit								
	= mN-m	= <u>cN-m</u>	= N-m	= ozfin	= lbfin	= lbf-ft	= gf-cm	= kgf-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 ozfin	7,062	0,706	0,007	1	0,0625	0,005	72	0,072	0,0007
1 lbfin	113	11,3	0,113	16	1	0,083	1152,1	1,152	0,0115
1 lbf-ft	1356	<u>135,6</u>	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)

N-m	1 N-m = 0,102 kgf-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

kgf-m (kp-m)	1 kgf-m (kp-m) = 9,807 N-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

N-m	1 N-m = 0,7386 lbf-ft									
	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	42,77	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

lbf-ft	1 lbf-ft = 1,356 N-m									
	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

N-m	1 N-m = 8,851 lbf-in									
	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

lbf-in	1 lbf-in = 0,113 N-m									
	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	10,85	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 <sup>9</sup>
Mega	M	1.000.000	= 10 <sup>6</sup>
Kilo	k	1.000	= 10 <sup>3</sup>
Hecto	H	100	= 10 <sup>2</sup>
Deca	Da	10	= 10 <sup>1</sup>
Deci	d	0,1	= 10 <sup>-1</sup>
Centi	c	0,01	= 10 <sup>-2</sup>
Milli	m	0,001	= 10 <sup>-3</sup>
Micro	μ	0,000001	= 10 <sup>-6</sup>
Nano	n	0,000000001	= 10 <sup>-9</sup>

### Important SI units with conversions to old but still commonly used units

Length	metre	m		
Masa	kilogramme	kg		
Time	second	s		
Force	newton	N	= kg m/s <sup>2</sup>	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/m <sup>2</sup>	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 (N)	= 0,102 kp
1 kilopond (kp)*	= 9,81 N
1 kilopond metre (kp·m)*	= 9,81 N·m

\* Statutory unit in the Federal Republic of Germany until 1977

### Material properties

	Density g/cm <sup>3</sup>	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/mm<sup>2</sup>. e = 50 N/mm<sup>2</sup>: 2500 N/mm<sup>2</sup> = 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/mm<sup>2</sup>: 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.

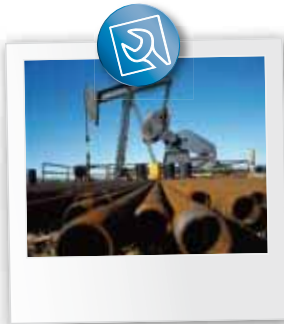
The elastic compression induces a continuous pre-tension of the screw connection. A properly tensed screw connection is selfinhibiting.

## COMPARISON 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/mm <sup>2</sup>
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 $\mu$



## 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 choice of the coefficient of friction. 80% of the tightening-torque values apply for countersunk head screws on account of the remaining base thickness.



Screw thread		blackened or Zinc-phosphate			Steel	
		pressed rolled	rolled cut	sharpened	cadmiumplated 6 $\mu$	zincplated 6 $\mu$
Steel	ground	0,14	0,10	0,16	0,10	0,10
	sharpened	0,16	0,10	0,16	0,10	0,10
	ground sharpened	0,14		0,10		
	turned sharpened					
	turned sharpened	0,10				
	turned sharpened	0,10		0,10	0,10	0,10
	cadmium-plated				0,14	
	zinc-plated					0,10
	cadmium-plated	0,10		0,10	0,14	
	zinc-plated					

## Guideline values for the coefficient of friction $\mu$

In order to 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 can 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 particular, 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.





# FRICITION VALUE $\mu_{ges}$ 0,10 AND 0,14

Friction value $\mu_{ges}$ 0,10		Shank screws with metric ISO-medium threads in accordance with DIN 13 Part 12 (selection)											
$\mu_{ges}$ 0,10	P mm	4.6		5.6		6.8		8.8		10.9		12.9	
		Fsp N	MA N-m	Fsp N	MA N-m	Fsp N	MA N-m	Fsp N	MA N-m	Fsp N	MA N-m	Fsp N	MA 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 13 Part 12 (selection)													
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 $\mu_{ges}$ 0,14		Shank screws with metric ISO-medium threads in accordance with DIN 13 Part 12 (selection)											
$\mu_{ges}$ 0,14	P mm	4.6		5.6		6.8		8.8		10.9		12.9	
		Fsp N	MA N-m	Fsp N	MA N-m	Fsp N	MA N-m	Fsp N	MA N-m	Fsp N	MA N-m	Fsp N	MA 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	2.357	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	2.458	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 13 Part 12 (selection)													
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</						

# FRICION VALUE $\mu_{ges}$ 0,16

Friction value $\mu_{ges}$ 0,16			Shank screws with metric ISO medium threads in accordance with DIN 13 Part 12 (selection)											
$\mu_{ges}$ 0,16	P mm	4.6		5.6		6.8		8.8		10.9		12.9		
		Fsp N	$M_A$ N-m	Fsp N	$M_A$ N-m	Fsp N	$M_A$ N-m	Fsp N	$M_A$ N-m	Fsp N	$M_A$ N-m	Fsp 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 13 Part 12 (selection)													
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

- $\mu_{ges}$  = Average friction value for thread and underhead seat
- P = Pitch of the thread
- F<sub>sp</sub> = Axial pre-tension force in the screw for 90 % utilisation 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 416. 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 external 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.





### The properties of screws and nuts are described with the aid of strength classes.

This is shown in the table below on the basis of 10 strength classes for which the properties such as tensile strength, hardness, yield point, elongation after fracture etc. are shown.

Section ISO 898-1	Mechanical and physical properties	Strength class											
		3.6	4.6	4.8	5.6	5.8	6.8	8.8	8.8	9.8	10.9	12.9	
		d ≤ 16 mm											
		d > 16 mm											
5.1	Norm. tensile strength Rm, nominal	N/mm <sup>2</sup>	300	400	400	500	500	600	800	800	900	1000	1200
5.2	Norm. tensile strength Rm, min. ④, ⑤	N/mm <sup>2</sup>	330	400	420	500	520	600	800	830	900	1040	1220
5.3	Vickers hardness HV F ≥ 98 N	min.	95	120	130	155	160	190	250	255	290	320	385
		max.	220 ⑥	220 ⑥	220 ⑥	220 ⑥	220 ⑥	250	320	335	360	380	435
5.4	Brinell hardness HB F = 30 D <sup>2</sup>	min.	90	114	124	147	152	181	238	242	276	304	366
		max.			209 ⑥			238	304	318	342	361	414
5.5	Rockwell hardness HR	min.	HRB	52	67	71	79	82	89	–	–	–	–
		min.	HRC	–	–	–	–	–	–	22	23	28	32
		max.	HRB	95,0 ⑥	95,0 ⑥	95,0 ⑥	95,0 ⑥	95,0 ⑥	99,5	–	–	–	–
		max.	HRC	–	–	–	–	–	–	32	34	37	39
5.6	Surface hardness HV 0,3	max.	–	–	–	–	–	–	–	–	–	–	
5.7	Lower yield point Rel ⑧ in N/mm <sup>2</sup>	Nominal value	180	240	320	300	400	480	–	–	–	–	
		min.	190	240	340	300	420	480	–	–	–	–	
5.8	0.2%-yield strength Rp0,2 ⑨ in N/mm <sup>2</sup> raised	Nominal value	–	–	–	–	–	–	640	640	720	900	1080
		min.	–	–	–	–	–	–	640	660	720	940	1100
5.9	Wind-up force under test force	Sp/ReL Sp/Rp0,2	0,94	0,94	0,91	0,93	0,90	0,92	0,91	0,91	0,90	0,88	0,88
		Sp	180	225	310	280	380	440	580	600	650	830	970
5.10	Fracture torque Mb	N·m min.	–	–	–	–	–	–	–	–	–	–	
			see ISO 898-7										
5.11	Elongation after fracture A in	% min.	25	22	–	20	–	–	12	12	10	9	8
5.12	Fracture construction Z	% min.	–	–	–	–	–	–	52	52	48	48	44
5.13	Strength under diagonal pull strain ⑤		The values under diagonal pull strain for whole screws (not pin screws) must not fall below the minimum tensile strengths stated in Section.										
5.14	Notched bar impact KU	J min.	–	–	–	25	–	–	30	30	25	20	15
5.15	Notched impact strength		No fracture										
5.16	Minimum height of the non-decarbonised thread zone E Maximum depth of decarburisation G	mm	–	–	–	–	–	–	1/2 H <sub>t</sub>	1/2 H <sub>t</sub>	1/2 H <sub>t</sub>	2/3 H <sub>t</sub>	3/4 H <sub>t</sub>
		mm	–	–	–	–	–	–	0,015	0,015	0,015	0,015	0,015
5.17	Hardness after tempering		Hardness drop max. 20 HV										
5.18	Surface condition		in accordance with ISO 6157-1 or ISO 6157-3, where applicable										

- ① In the case of screws of the strength class 8.8 having a thread diameter  $d \leq 16$  mm, an increased danger of scraping exists for nuts if the screw connection is tightened with a force exceeding the test force of the screw. It is recommended to comply with the standard ISO 898-2.
- ② The strength class 9.8 only applies for nominal thread diameters  $\leq 16$  mm.
- ③ For steel screws, the limit is 12 mm.
- ④ The minimum tensile strengths apply for screws with nominal lengths  $l \geq 2.5 d$ . The minimum hardness values apply for screws with nominal length  $l < 2.5 d$  and for those products which cannot be tested in a tensile test (e.g. on account of their head shape).
- ⑤ For tests on full screws, the fracture forces used to calculate Rm must concur with the properties of the screws at higher temperature.
- ⑥ A hardness value at the end of the screw is permitted to be 250 HV, 238 HB or 99,5 HRB at most.
- ⑦ The surface hardness on the relevant product must not exceed 30 Vickers points of the measured core hardness if both the surface hardness and the core hardness are determined with HV 0.3. For the strength class 10.9, a surface hardness of 390 HV must not be exceeded.
- ⑧ If the lower yield point ReL cannot be determined, the 0.2 % yield strength Rp0,2, lower, applies. For the strength classes 4.8, 5.8 and 6.8, the values for ReL are only specified as a calculation basis – they are not tested.
- ⑨ The yield point ratio corresponding to the description of the strength class and the minimum wind-up force on the 0.2 % yield strength Rp0,2 both apply for machine-processed test pieces. When full screws are tested, these values vary on account of the effects of the manufacturing process and the size factors.

Excerpt from EN ISO 898-1

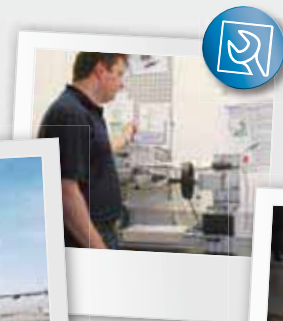


# TIGHTENING TORQUES FOR THE WHEEL NUTS AND WHEEL SCREWS OF INDUSTRIAL VEHICLES, SERIAL WHEEL RIMS

Lorry (in the case of aluminium wheel rims, comply with the manufacturer's specifications!)

Vehicle manufacturer	Thread	Tightening value N-m Pin centring	Tightening value N-m Middle centring	Vehicle manufacturer	Thread	Tightening value N-m Pin centring	Tightening value N-m Middle centring		
DAF	Sherpa 1,7-2,5; 400/500 Turbo F1100-F95	90		MITSUBISHI	L 300 2500 case	M 12 x 1,5	120 - 140		
		176 - 203			L 300 1600 case	M 12 x 1,5	120 - 140		
		216 - 270	290 - 360		Canter T 35		165 - 225		
		297 - 351	410 - 510		Canter T 60		400 - 540		
	378 - 459	540 - 670	Canter T 75			370 - 410			
					NEOPLAN		M 22 x 1,5	450	600
							M 20 x 1,5	360	450 - 480
	F45		340 - 400	OPEL		7/16"	70		
	F45		450 - 520			18 mm	300		
	F55		450 - 520			7/8"	380		
	F65CF, F75CF, F85CF, F95CF		700 ± 21 700 ± 21		PEUGEOT	All models		180	
FAUN		M 18 x 1,5	290 - 320	RVI/RENAULT	S 100; S 110; S 130		320		
		M 20 x 1,5	370 - 400		S 150		400		
		M 22 x 1,5	430 - 460		S 170		500		
FIAT		M 20 x 1,5		450	Master		160		
	Transporter	M 22 x 1,5		550		M 22 x 1,5	500 ± 50		
FORD		7/8" BSF	575 (SMMT-wheel)	TATRA			480 ± 80		
		M 22 x 1,5	575 without R. rear axle [R = Rockwell]						
		M 22 x 1,5	575 with R. rear axle, 10 bolts						
			465 with R. rear axle, 8 bolts						
IVECO MAGIRUS	65-75E, Euro Cargo	M 18 x 1,5	335 - 410	UNIMOG	407 V 600		290		
		M 20 x 1,5	440 - 540		417 V 900, 1150; 1250; 227 V 1200		320		
	Euro-Tech, -Star, -Trakker		M 22 x 1,5		427 V 1400, 1600 2100, 437 V 1700		600		
KÄSSBOHRER/ SETRA		M 18 x 1,5	300	VOLVO	FL 6	M 18 x 1,5	375 ± 65		
		M 20 x 1,5	400		FL 6	M 20 x 1,5	525 ± 75		
		M 22 x 1,5			Other models	M 22 x 1,5	670 ± 30		
MAN			600		7/8" - 14 UNF		670 ± 30		
		M 18 x 1,5		VW	LT 1997, Van Typ 2	M 14 x 1,5	180		
		M 20 x 1,5	370 - 410		LT 28, 31	M 14 x 1,5	200		
		M 22 x 1,5	370 - 410		LT 35, 40, 45, 50	M 18 x 1,5		360	
		450 - 500	Caddy, Pick-up			110			
MAZDA	E2000, 2200	M 12 x 1,25	90 - 120	TRAILER		M 14 x 1,5	110 - 120		
	B2500	M 12 x 1,25	120 - 150			M 18 x 1,5	270	320	
MERCEDES		M 14 x 1,5	170			M 20 x 1,5	350	450	
		M 18 x 1,5	250			M 22 x 1,5	450 - 500	600 - 650	
		M 20 x 1,5	300						
		M 22 x 1,5	450						

Specifications given without warranty.





# TIGHTENING TORQUES FOR WHEEL NUTS AND WHEEL SCREWS OF CARS AND ESTATE CARS

Cars (in the case of aluminium wheel rims, comply with the manufacturer's specifications!)

Vehicle manufacturer		Tightening torque value N·m	Vehicle manufacturer		Tightening torque value N·m	Vehicle manufacturer		Tightening torque value N·m
ALFA ROMEO	Alfa 33	88-108	ISUZU	Trooper (until 92)	80-118	NISSAN	Micra (1992-02)/X-Trail	98-117
	Alfa 145/146/147/Spider/GTV	83-103		Trooper (from 92)	118		Almera (2002-02)/Maxima (2000-02)/Serena (1996-02)	98-118
	Alfa 155 (V6)	73-90		Campo (until 97)	78-98		Terrano II/Patrol GR/Pick-Up	118-147
	Alfa 156	98		Campo (from 98)	82		OPEL	Agila
	Alfa 164	95-105	JAGUAR	X-Type (2001-02)	68-92	Frontera-B (1999-02)		120
Alfa 166	86	S-Type		128	Other models	110		
AUDI	A2/A3/S3/A4/A6/100/A8/S8/TT	120		XJ6	65-85	PEUGEOT	106/206/Estate	85
	Audi 80/Coupé/Cabriolet/Audi	200		XJR/XJ12	88-102		306	80
	Audi Quattro	110	XJ8/XJ-S	66-82	307/406/605/607		90	
BMW	3 Serie/5 Serie	90-110	KIA	Pride/Mentor/Sephia/	88-118	806/Expert	100	
	M5	100		Clarus/Carens	88-108	Boxer	160-180	
	Z3	100-110		Sedona/Spportage	90-120	PORSCHE	All models	130
	X5	140	Besta	90-120	RENAULT		Twingo/Clio/Megane/Safrane/Kangoo	90
CHRYSLER	Neon (1994-99)/Stratus/	109-150	LADA	Samara/Riva	70-78	R5	80	
	Neon (1999-02)/PT Cruiser	115-155	Niva	88-91	Clio Sport/Scenix RX4	105		
	Voyager (1987-90)/Caravan	129	LANCIA	Other models	86	Laguna/Espace	100	
	Voyager (2001-02)	110-135		Dedra/Kappa	98	Traffic (2000-02)	142	
	Jeep Wrangler (1993-96)	102	LAND ROVER	Freelander	115	Master	155	
	Jeep Wrangler (1996-02)	109-150		Defender	100-120	ROVER	Mini Cooper	57
	Jeep Cherokee (1997-01)	115-150		Discovery (bis 98)	129		25/45/MG	110
Jeep Grand Cherokee (1997-01)	115-150	Discovery (ab 98)	140	75 Tourer/MG ZT-T	125			
CITROËN	AX10/AX11/AX14/AX GT/AX	90	Range Rover (ab 94)	108	SAAB	900 (1993-98)	90-110	
	GTI/AX Sport/ZK	85	LEXUS	All models		103	9000 (1989-97)	105-125
	Saxo/Xsara	90		LOTUS		Elise (lighthweight metal wheel rims)	90	9-3
	Xantia/XM	80-100	Elan (lighthweight metal wheel rims)			80-88	9-5	120
	C5	70	Excel (lighthweight metal wheel rims)	88	SEAT	Arosa/Inca	110	
	C15E	85	Esprit (lighthweight metal wheel rims)	100		Ibiza/Cordoba	110	
	Berlingo	85	MAZDA	121 (from 1995)		85	Toledo (1999-02)/Leon	120
Dispatch	100	323 (from 1998)		90-117	Alhambra	140		
C25	180	626 (from 1997)		80-115	SKODA	Fabia/Octavia	120	
DAEWOO	Matiz	90-110		Xedos 6 (from 1994)/			SUBARU	All models
	Nexia/Lanos/Espero/Nubira	80		MX-6 (from 1994)/	89-117	SUZUKI		Alto
	Leganza	100		MVP (from 1999)	88-127		Swift	80-80
	Tacuma	108		Xedos 9	90-117		Liana/Ignis/Baleono/Wagon	
	Musso/Korando/	80-120	Demio	87-117	R/Super Carry (1999-02)	85		
Cuore/Applause/YRV/Move/		Premacy	80-117	Jimmy/Grand Vitara	95			
Grand Move/Terios	88-118	Tribute	133	Vitara	80-100			
Charade/Sirion/Hi-Jet	89-118	E-Series	90-120	TOYOTA	Yaris, Corolla, Carina,			
Sportrak	90-120	MERCEDES-BENZ	Other models		110	Avensis, Camry, MR2, Paseo,		
FIAT	Other models		86		S-Class (1998-02)/M-Class	150	Celica, Supra, Picnic, Previa,	
	Stilo/Croma/Coupé/		98		CL (1999-02)	150	RAV4, 4 Runner	
	Ulysee/Scudo		100		V-Class (1995-02)/Vito	175	Landcruiser Colorado/Prado	
	Ducato/Talento		160		200GE/230GE	190	(1996-02)	110
	Ducato Maxi		180	Sprinter (1995-02)	180 + 20	Landcruiser Amazon (1998-02)	209	
FORD	KA/Mondeo (1996-00)/	85	MB 100D	140	Hi-Ace Power Van (1996-02)	102		
	Scorpio/Puma		508D/510	160-180	VOLKS-WAGEN	Lupo, Caddy, Golf, Polo	110	
	Fiesta (1990-93)	70-100	814 DA	250		Passat (1996-02), Beetle	120	
	Fiesta (1994-02)/	85	MINI	Mini One/Mini Cooper		90-110	Sharan (2001-02)	170
	Focus (1998-02)			MITSUBISHI	Colt/Lancer (1996-02)/		Transporter (1996-02),	180
	Escort/Estate (1995-00)/Sierra	100	Galant (1997-02)		98	LT (1996-02)		
	Probe	88-117	Carisma		98-117	VOLVO	S40/V40 (1998-02), S70/V70	110
	Cougar	128	Eclipse (1996-02)		117-137		(1997-00), C70	140
	Galaxy (2001-02)	170	3000 GT (1993-01)/L200		120-140		S60 (2002-02), V70 (2000-02),	
	Maverick (2001-02)	133	Space Star		98-117		S80	
	Explorer	135	Space Runner (1998-02)	98				
Transit 80/100 (1991-00)	75-95	Space Wagon (1998-02)	98					
Transit 130 (außer 1995)/150	155-180 (175)	Shogun Pinin	98					
Transit (2002-02)	200	Shogun Pajero	100-120					
HONDA	All models	108-110						
HYUNDAI	Other models	90-110						
	Pony (bis 90)/Stellar/	70-80						
	S Coupé (90-92)	88-108						
	H1/H200	120-140						

10 N·m ≈ 1 kp·m

Specifications given without warranty.

## Mounting wheels:

Using a torque wrench, lighten the wheel nuts and screws uniformly over the cross up to the specified torque. Without fail, check the torque following a travelling distance of approx. 50 km after the wheel is mounted and at regular intervals. If a wheel-specific general operating licence is the case, it must comply with the tightening torque specified here.

## Use regulation-compliant wheel attachment elements

(Do not mix up spherical and conical, different lengths, parts for steel and lightweight-metal wheels etc.! Ensure sound strength quality!) Replace difficult-to-manipulate or corroded screws and nuts! Exercise caution with lubricants!



## ARTICLE INDEX

Article Page

### A

Accessories	137, 139, 140, 141, 142, 143
Accessories for socket wrenches 1/2"	60
Adaptor	148
Adaptor 1/4"	73
Adaptor pieces	147, 149
Adaptor set 1/4"	101
Additional drawer	22
Adjustable wrench	74, 75
Adjustable wrench NC	252
Aligning tools for treadles	288
All-steel screw clamp	295
Aluminium prybar	408
Aluminium reversible ratchet 1/2"	120
Aluminium reversible ratchet 3/8"	109
Angle reamer	375
Anti-freeze tester	277
Anti-slip mat	65
Anvil horn	400
Arc punch	379
Assortment of circlip pliers	191
Automatic centre punch	405
Automobile workshop set	245

### B

Balance weight pliers	270
Ball bearing extractor	231
Ball bearing extractor PLUS	232
Ball bearing extractor set	231
Ball joint puller	241
Base plate	62
Basic tool set	38
Basin pliers	372
Basin wrench	372
Battery servicing tools	273
Battery tester	273
Battery-terminal puller	222, 223
Bearing separator	238
Bending bar	407
Bending fork	353
Bending former	352, 355, 356, 358, 366, 368
Bending frame	365
Bending lever	353
Bending sets	359, 360
Bending tool	278
Bending tool	408
Bib overall	302
Bicycle compact tool	289
Bit adaptor	144
Bit adaptor 1/4"	147
Bit extension	144
Bit gripper	73
Bit holder	148
Bit holder long	148
Bit ratchet	144

## ARTICLE INDEX

Article Page

Bit reversible ratchet	148, 149
Bit screwdriver	144, 148, 149
Bit screwdriver 1/4"	147
Bit set	147, 149
Blacksmith's tongs	400
Bodywork file	277
Bodywork lever	278
Bodywork spoon	278
Bodywork tool set	279
Bolt cutter	198
Bolt cutter SUPER	199
Bolt extractor	286
Bolt extractor set	287
Bonnet support	296
Bordering pliers for welders	375
Bottom anvil tool	399
Bottom fuller	399
Bottom swage	399
Brake caliper brush	270
Brake caliper file	270
Brake spring pliers	270
Breaking torque wrench TBN	326
Brick bolster	394
Brick cutting chisel	402
Bricklayer's chisel	403
Bricklayer's hammer	393
Builder's hatchet	393

### C

Cable cutter	261
Cable end-sleeve pliers	187
Cable knife	184
Cable knife	292
Cable reel hook	62
Cable shears	184
Cable shears	261
Calibrating tool	351
Caliper face spanner	91
Car light tester	165
Carbide scriber	407
Carbide tile chisel	404
Carbide tile hammer	394
Carpenter's hammer	393, 394
Cast iron screw clamp	295
Centre punch	405
Chain pipe cutter	277
Chain pipe wrench	344
Chain pipe wrench BOSS®	343
Charging unit	296
3-Chest tool trolley	23
Chisel and punch set	406
Chisel holder empty	65
Chisel merchandiser	406
Chisel set	59
Circlip pliers	60
Circlip pliers for external retaining rings	191, 192, 193, 195



**ARTICLE INDEX**

Article	Page
Circlip pliers for internal retaining rings	193, 194, 195
Clamping plates for screw clamps	295
Claw gripper	276
Claw hammer, American pattern	394
Club hammer	391
Club hammer ROTBAND-PLUS	390
Cold chisel hammer	399
Combination hammer KOMBI-PLUS R	396
Combination holding tool	74
Combination pliers	171
Combination pliers NC	255
Combination ratchet spanner	73
Combination ratchet spanner set	73
Combination spanner	70, 71, 72
Combination spanner NC	252
Combination spanner set	57
Combination spanner set	70, 71, 72
Combination stepped key	376
Combination swivel head wrench	84
Construction ratchet	136
Contact file	282
Convertor 1/2" to 3/4"	121
Convertor 1/4" to 3/8"	99
Convertor 3/4" to 1"	131
Convertor 3/8" to 1/2"	110
Copper hammer	398, 399
Copper hammer ROTBAND-PLUS	398
Copper pipe bending spring	356
Corner valve socket wrench	372
Counter-support (Pair)	364
Counter-support (Pair) up to 90°	363
Counter-support (piece)	366
Counter-support fixing pin (piece)	366
Coupler 1"	134
Coupler 1/2"	122
Coupler 1/4"	100
Coupler 3/4"	131
Coupler 3/8"	111
Cranked allen socket screwdriver	165
Cranked screwdriver	165
Cranked socket screwdriver	164, 165
Cranked socket screwdriver set	164
Cranked socket screwdriver with T-handle	164
Creeper	280
Crimp wrench	190
Crimping pliers set AUTOMOTIVE	188
Crimping pliers set DATA COM	188
Crimping pliers set ELECTRONIC	188
Crimping pliers set INDUSTRIAL	189
Crimping pliers set professional	189
Crimping pliers set professional AUTOMOTIVE	189
Crimping pliers set professional ELECTRONIC	189
Crimping self-grip wrench	186, 187
Cross tweezers	286
Cross-cut chisel	404
Crosswise divider	31

**ARTICLE INDEX**

Article	Page
Crowbar	408
Crowfoot spanner	84
Curved bearing scraper (Long scraper)	400
Cutter for construction steel mats	199
Cylinder liner puller	236
<b>D</b>	
Deep ring spanner	83
De-solder tool	183
Digital measuring calliper	285
Dismantling and assembly fork	240
Display box 1/2"	129
Display box 1/4"	105
Display box 3/8"	115
Display insert with assortment 1/2"	129
Display panel self lowering and raising	54
Display rack for hammer handles	389
Display rack for hammer KOMBI-PLUS R	396
Display rack for hammers	388
Display stand 1/2"	121
Distance module 1/3" empty	61
Distance module empty	61
Distance module with small boxes	61
Door element	25
Double ended midget spanner	78
Double ended midget spanner set	78
Double ended ring spanner	79, 80
Double ended ring spanner set	80
Double ended socket wrench	86, 88
Double ended socket wrench set	88, 89
Double ended wheel wrench	270
Double faced club hammer	391
Double faced club hammer ROTBAND-PLUS	391
Double flaring tool set	351
Double open ended spanner	76, 77
Double open ended spanner set	78
Double punch	376
Drain pipe cleaner	380
Drain plug wrench	270
Drawer cabinet	30
DREMOMETER	309, 310, 311, 312, 313, 314
DREMOMETER MINI	309
DREMOMETER SET	312
DREMOMETER with quick-fitting change	314, 318
Drift punch	404
Drift punch set	406
Drill holster	298
Drill-bit holder	63
Drive shaft bearing puller	238
Drive shaft puller	239
Driving handle	148
Driving handle 1/4"	100
Duo electric lamp	296
Duo pouch	299



**ARTICLE INDEX**

 Article Page
**E**

Ear plugs with head band	301
Eccentric angle bender	369, 370
ECO Puller set	245
Elbow pipe wrench	342
Elbow pipe wrench ECK-SCHWEDE-snap® - the swedish	342
Electric lamp	296
Electrical conversion kit	365
Electrical limiter	365
Electricians' cable knife	184
Electricians' chisel	403
Electricians' pouch	299
Electricians' side cutter	173
Electricians' splitting chisel	403
Electricians tool case	37
Electronic carbide mini diagonal cutter	179
Electronic diagonal cutter	179, 181
Electronic end cutting nippers	179, 181
Electronic mini diagonal cutter	179
Electronic pliers set	178
Electronic screwdriver	159, 160
Electronic screwdriver set	160
Electronic side cutter	178, 181
Electronic side cutter carbide	179
Electronic torque tester DREMOTEST E	333
Electronic torque wrench TorcoTronic II	332
Electronic tweezers	286
Electronic wire stripping pliers	182
Embossing hammer	278
End fitting INBUS®	316
End fitting TORX®	316
End nipper POWER	174
Engine space inspection lamp	296
Engineer's ball pein hammer	390
Engineers' hammer	389, 390
Engineers' hammer ROTBAND-PLUS	388
Extension 1"	134
Extension 1/2"	122
Extension 1/4"	99, 100
Extension 3/4"	131
Extension 3/8"	111
Extension cable	365
Extension for pullers	213, 219
Extension NC 1/2"	254
Extension NC 3/8"	254
Extension rod	237
Extension shaft	380
Extension tube	83
Extension tubes for DREMOMETER DR - F + W	312


**F**

Fan puller	224, 225
Fan puller ECO	227, 228
Feeler gauge set, fan pattern	284
Figure snips	378

**ARTICLE INDEX**

 Article Page

File brush	287
Fine needle nose electronic pliers	180
Fitting hook spanner	288
Fitting open ended spanner	288
Fittings	288
Fittings paring spanner	288
Fixed square head	316
Fixed square head / Ratchet head	317
Flange separators	244
Flare nut spanner	79
Flared end fitting	316, 317
Flaring tool boerdex®	350
Flaring tool set boerdex®	350
Flat cold chisel	401, 402
Flat cold chisel NC	255
Flat nose electronic pliers	181
Flat nose pliers	174, 175
Flat ring spanner	80, 81
Flat ring spanner set	81
Flat round face hammer	278
Flat scraper	401
Flexible extension 1/4"	99
Flexible milled file blades	277
Flexible pipe cleaning shaft	379, 380
Folding rule	284
Folding workbench	30
Friction ratchet handle without insert ring	135
Friction type ratchet	135

**G**

Gasket scraper	401
Gasket set	365
GEDORE grip wrench NC	254
GEDORE special grip wrench	197
General purpose box	65
Geologist's hammer	395
Glaziers hammer	395
Glow plug socket 3/8"	255, 274
Grey cast iron bending former up to 90°	362
Grip c-clamp	197
Grip wrench	196
Grip wrench	374
Grip wrench for glueing	197
Grip wrench, long jaws	197
Grooving chisel	404
Gutter bending pliers	375

**H**

Hacksaw	283
Half-moon ring spanner	79
Half-round blunt file	282
Hammer holder with metal hooks	298
Hammer KOMBI-PLUS	390
Hand file	282
Hand lever	353
Hand ratchet 1/4"	99



**ARTICLE INDEX**

Article	Page
Handle for fittings	288
Hand-operated impact driver 1/2"	143
Hand-operated impact driver set 1/2"	143
Hand-turned plumber's snake	380
Hard metal tip flat scraper	401
Hardy	400
Heavy-duty belt set	299
Heavy-duty belt with cushion	298
Heavy-duty cable stripping tool	186
Heavy-duty figure snips	378
Heavy-duty ideal pattern snips	378
Heavy-duty pipe cutter	348
Hexagon screwdriver with T-handle	161
Hexagon socket key	162, 163
Hexagon socket key	288
Hexagon socket key NC	253
Hexagon socket key set	163
Hexagon socket key set	59
Hexagon socket key set NC	253
Hexagon socket key with T-handle	161
High-speed pipe wrench	346
High-speed pipe wrench nickel-plated	346
High-speed swivel disc	121
Hobby saw	283
Holder	25
Holder	64
Holder for allen keys	63
Hole cutting snips	377
Hook assortment	64
Hook wrench	91
Hose clamp pliers	272
Hot chisel hammer	399
Hub cone spanner	288
Hubcap removing tool	270
Hydraulic cylinder	229
Hydraulic hand pump	229
Hydraulic oil	365
Hydraulic press	230
Hydraulic pressure spindle	213
Hydraulic pump and cylinder set	229

**I**

Ideal pattern snips	377
Impact bearing puller	234
Impact driver set	60
Impact socket 1"	141
Impact socket 1.1/2"	142
Impact socket 1/2"	138, 139
Impact socket 1/4"	137
Impact socket 2.1/2"	143
Impact socket 3/4"	140
Impact socket 3/8"	137
Impact socket PKW 1/2"	138
Impact socket set 1/2" for cars	139
Impact socket set 3/4" for trucks	140
Industrial knife	292

**ARTICLE INDEX**

Article	Page
Industrial pulling set	246
Industrial pulling set with leg brake	246
Industrial scissors professional	291
Insert ring for friction ratchet	135, 136
Installation pliers	277
Installation tripod	362
Installation wrench	373
Insulating tape	184
Insulating varnish stripper	183
Internal extractor	233, 234
Internal extractor set	233, 235

**J**

Jacket	302
Joiners' hammer	390
Joiners' hammer ROTBAND-PLUS	390

**K**

Key file set	282
Keyhole saw	283
Knee pads, pair	299
Kneeling board	280

**L**

Lead hammer	399
Leather scissors	290
LED Duo electric lamp with rechargeable battery	296
LED electric lamp with rechargeable battery	296
LED worklamp 36 W	297
Lengthwise divider	31
Letter and number punches	407
Lever-action end cutting nipper	173
Lever-action side cutter	173
L-handle 1/2"	121
L-handle 3/8"	110
Light metal hammer	398
Link pipe cutter	347
Long nose electronic pliers	180, 181
Long reach hammer	278

**M**

Machine holder	62
Machine workbench clamp	197
Magazine handle screwdriver	148
Magnetic hammer ROTBAND	395
Magnetic holder	296
Magnetic lifter	276
Magnetizer and demagnetizer	160
Magneto spanner set	75
Malleable cast iron shells SOFT-PLUS	397
Manual bending tool set	355, 356
Manual pipe bender	367, 368
Mechanics pliers	176, 177
Mechanics pliers	345
Mechanic's tool assortment	45, 46, 47
Men's work coat	303



**ARTICLE INDEX**

Article	Page
Merchandise for striking tools .....	406
Mini magnetic lifter .....	276
Mini Torque Multiplier DREMOPLUS .....	331
Miniature electronic diagonal end cutting nippers .....	182
Miniature electronic flat nose pliers .....	183
Miniature electronic needle nose pliers .....	183
Miniature electronic side cutter .....	178, 179, 182, 183
Miniature electronic wire stripping pliers .....	183
Miniature LED lamp .....	74
Minibit set .....	144, 145
Minibits .....	144
Minibit-set .....	144
Mobile workbench .....	27, 28
Mobile workbench extra width .....	28
Modular crimp wrench .....	187
Module insert .....	187, 188
Modules empty .....	335
Mounting rail for storage boxes .....	63
Mushroom head / square drive TORCOFIX K .....	322

## N

Nail lifter .....	408
NAUTIC set CARGO SHIP .....	252
NAUTIC set CARGO SHIP AF .....	252
NAUTIC set DHINGY .....	251
NAUTIC set DHINGY PLUS .....	251
NAUTIC set MOTORBOAT .....	251
NAUTIC set YACHT .....	251
NAUTIC set YACHT AF .....	251
Needle nose electronic pliers .....	180, 181
Needle nose pliers .....	175, 176
Needle nose pliers NC .....	255
Nibbler .....	378
Nut driver .....	90
Nut driver with 3C-handle .....	89
Nut driver with T-handle .....	90
Nut splitter .....	242, 243
Nut splitter set .....	243
Nylon hammer .....	397

## O

Offsetting pliers with punch .....	279
Oil can .....	270, 271
Oil filter hook .....	241
Open end fitting .....	315, 317
Open ended slogging spanner .....	81
Open ended spanner set .....	57
Open ended spanner with ring ratchet .....	57
Open ended spanner with ring ratchet .....	72
Open ended spanners with ring ratchet set .....	72, 73



## P

Paper roll holder .....	62
Paper scissors .....	291
Parallel jaw grip wrench .....	197
Parallel vice .....	284

**ARTICLE INDEX**

Article	Page
Paring chisel .....	404
Parts .....	232, 349, 351, 355, 356, 358, 359, 360, 368, 370, 371, 374, 375, 380
Paving hammer .....	394
Paving hammer round .....	394
Paving hammer square .....	394
Pelican pattern snips .....	377
Pin punch .....	405
Pin punch NC .....	255
Pin punch set .....	405
Pincer .....	174
Pipe bender .....	352
Pipe bender set .....	352, 357
Pipe bender set for composite pipes .....	357
Pipe bender set manual .....	357
Pipe bending machine .....	358, 359, 360, 361, 362
Pipe bending pliers .....	353, 354
Pipe bending pliers HH .....	354
Pipe cutter .....	348, 349
Pipe cutter MINI-QUICK .....	350
Pipe cutter niro .....	348
Pipe cutter QUICK AUTOMATIC .....	349
Pipe cutter QUICK AUTOMATIC niro .....	350
Pipe cutter TUBEX® .....	347
Pipe deburring reamer .....	350
Pipe shears .....	349
Pipe straightening tool .....	371
Pipe wrench .....	342, 343
Pipe wrench S .....	342
Piston ring compressor .....	272
Piston ring pliers .....	272
Planishing / grooving hammer .....	278
Planishing hammer .....	278
Planishing hand anvils .....	277
Plastic cassettes empty for DREMOMETER MINI + AM .....	334
Plastic hammer .....	397, 398
Plastic ratchet 1/2" .....	121
Plastic ratchet 3/8" .....	110
Plastic-tag marking system .....	327
Pliers for brake cable springs .....	270
Pliers for valve seals .....	271
Pliers set .....	170, 200, 201
Pliers set .....	59
Plug-in blade 1/4" hex .....	158
Plug-in blade hex .....	158, 159
Plumber's wrench .....	376
Plumbing wrench .....	374
Pocket knife .....	291, 292
Pocket vernier calliper .....	285
Point chisel .....	403
Point pein hammer .....	278
Power combination pliers .....	172
Power side cutter .....	173
Power side cutter NC .....	255
Precision crimp wrench .....	189, 190
Precision mechanics .....	59
Precision stripping tool .....	186

**ARTICLE INDEX**

Article	Page
Precision tweezers .....	286
Precision tweezers ESD .....	286
Professional plastic bearing installation set .....	205
Profile-section grip wrench .....	198
Protective hand guard .....	401, 404
Prybar .....	408
Prybar set .....	408
Puller .....	221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 238
Puller ECO .....	227, 228
Puller NC .....	255
Puller set .....	207, 212, 217, 218
Puller set .....	61
Puller TWIST+PULL .....	221
Pulling chuck .....	244
Pulling flange .....	239, 240
Pulling legs .....	207, 213, 214, 219, 220, 222, 223, 225, 227, 231
Pulling legs NC .....	255
Pulling set for construction machines .....	246
Pump .....	364
Punch hammer .....	399
Punch pliers .....	279

**Q**

Quick-action lever clamp .....	295
Quick-action puller .....	209, 210, 212, 216, 217
Quick-clamp fittings wrench Fixo-spann® .....	374
Quick-clamp wrench .....	374
Quick-release pulling legs .....	214, 219, 220
Quick-turn with T-grip DREH-FIX TORCOFIX K .....	322

**R**

Ratchet handle with coupler 1" .....	134
Ratchet handle with coupler 1/2" .....	120
Ratchet handle with coupler 1/4" .....	99
Ratchet handle with coupler 3/4" .....	131
Ratchet handle with coupler 3/8" .....	110
Ratchet head .....	316, 318
Ratchet heads DREMOMETER .....	313
Ratchet pipe cutter niro .....	348
Ratchet with T-handle 1/4" .....	99
Ratchet with T-handle 3/8" .....	110
Rear panel .....	21, 28
Recoilless hammer .....	395, 396
Recoilless impact tool .....	396
Rectangular bit holder .....	319, 320
Rectangular fixed square head .....	319, 320
Rectangular flared end fitting .....	319
Rectangular open end fitting .....	318, 320
Rectangular reversible ratchet head .....	319, 320
Rectangular ring end fitting .....	318, 320
Rectangular TORX®-type end .....	319, 320
Rectangular weld-on fitting .....	319, 320
Reducer 1" to 3/4" .....	134
Reducer 1/2" to 3/8" .....	121
Reducer 3/4" to 1/2" .....	131
Reducer 3/8" to 1/4" .....	110

**ARTICLE INDEX**

Article	Page
Repair set .....	378
Retaining clip for nuts .....	74
Reversible lever change ratchet .....	136
Reversible ratchet 1" .....	133
Reversible ratchet 1/2" .....	119, 120
Reversible ratchet 1/4" .....	98, 99
Reversible ratchet 3/4" .....	131
Reversible ratchet 3/8" .....	109
Reversible ratchet NC 1/2" .....	254
Reversible ratchet NC 3/8" .....	254
Ring bending machine .....	371
Ring end fitting .....	315, 317
Ring slogging spanner .....	82
Ring slogging spanner deep offset .....	82
Ring spanner set .....	57
Ring spanner set, short pattern .....	57
Rivet setter .....	407
Rivetting setter .....	407
Rivetting snap die .....	407
Rivetting tongs .....	400
Roll-cover .....	299
Roller tool case black .....	34
Roller tool case silver .....	34
Round file .....	282
Round holder .....	63
Round nose electronic pliers .....	182
Round nose pliers .....	175
Rubber mallet .....	398

**S**

Safety coil spring compressor .....	241
Safety cover size 1 .....	205
Safety hammer SOFT-PLUS .....	397
Safety knife .....	293
Safety ring and safety pin .....	137, 139
Safety spectacles .....	300
Sailing tool .....	255
Sanitary installation set .....	373
Saw holder .....	63
Scaffolding holder .....	297
Scaling hammer .....	395
Scaling hammer ROTBAND-PLUS .....	395
Scraper .....	293
Screw extractor set .....	286
3C-Screwdriver .....	153, 154, 155
3C-Screwdriver NC .....	253
3C-Screwdriver set .....	155, 156
3C-Screwdriver set with striking cap .....	153
3C-Screwdriver with striking cap .....	153
Screwdriver set .....	60
Screwdriver .....	154, 160, 161
Screwdriver bit .....	145, 146, 148, 149
Screwdriver bit socket 1" .....	133
Screwdriver bit socket 1/2" .....	117, 118, 119
Screwdriver bit socket 1/2" .....	139
Screwdriver bit socket 1/4" .....	97, 98



**ARTICLE INDEX**

Article	Page
Screwdriver bit socket 3/4" .....	130
Screwdriver bit socket 3/8" .....	107, 108, 109
Screwdriver bit socket set 1/2" .....	127, 128, 129
Screwdriver bit socket set 1/2" .....	58
Screwdriver bit socket set 1/4" .....	102
Screwdriver bit socket set 3/8" .....	114, 115
Screwdriver bit socket set 3/8" .....	59
Screwdriver bit socket set 3/8" + 1/4" .....	115
Screwdriver sales stand .....	156, 157
Screwdriver set .....	161
Screwdriver set .....	60
Screwdriver with T-handle .....	163
Scriber .....	285
Scythe anvil .....	400
Scythe hammer .....	400
Seaming pliers .....	371
Separator and puller set .....	238
Separator puller .....	237
Set combination swivel head wrenches .....	59
Set flare nut spanners, open .....	59
Set for precision mechanics 1/4" + 4 mm .....	103
Set hammer .....	399
Set impact sockets 1/2" .....	58
Set of arc punches .....	379
Set of circlip pliers .....	190
Set of internal and external extractors .....	236, 247
Set of rivetting setters and snap dies .....	407
Set of spark plug sockets 3/8" .....	274, 275
Set of threaded inserts .....	245
Setting punch .....	407
Shears set .....	348
Sheet metal case empty for DREMOMETER A-F, W .....	334
Sheet metal case empty for TORCOFIX / MODULE .....	335
Shelf .....	63
Side cutter .....	172
Side cutter carbide SMD .....	179
Single ended ring spanner .....	83
Single ended ring spanner set .....	84
Single open ended spanner .....	76
Single punch .....	376
Siphon trap pliers / Spring hook wrench .....	288
Sledge hammer .....	392
Sledge hammer ROTBAND-PLUS .....	392
Sliding T bar 1" .....	134
Sliding T bar 1/2" .....	122
Sliding T bar 1/4" .....	99
Sliding T bar 3/4" .....	131
Sliding T bar 3/8" .....	110
Sliding T bar NC 1/2" .....	254
Sliding T bar NC 3/8" .....	254
Sliding T bar with release 1/2" .....	122
Sliding T bar with release 1/4" .....	99
Sliding T bar with release 3/8" .....	111
Small combination pliers .....	171
Small saw for metal .....	283
Small saw for metal PUK .....	283

**ARTICLE INDEX**

Article	Page
Small universal scissors .....	184
Small-parts drawer for tool trolleys .....	65
Smoothing hammer .....	278
Socket 1" .....	133
Socket 1/2" .....	116, 117
Socket 1/4" .....	96, 97
Socket 3/4" .....	130
Socket 3/8" .....	106, 107
Socket holder .....	148
Socket holder .....	63
Socket NC 1/2" .....	254
Socket NC 3/8" .....	253
Socket set 1" .....	134
Socket set 1/2" .....	123, 124, 125, 126, 127
Socket set 1/2" .....	58
Socket set 1/2", hexagon .....	57
Socket set 1/2", UD profile .....	58
Socket set 1/4" .....	101, 102, 103, 104
Socket set 1/4" .....	58
Socket set 1/4" + 1/2" .....	127
Socket set 3/4" .....	132
Socket set 3/8" .....	112, 113, 114
Socket set 3/8" .....	58
Socket set 3/8" + 1/4" .....	114
Socket wrench .....	85, 86, 87
Socket wrench set .....	60
Soft face cap .....	390, 391
Spanner holder .....	64
Spare bending former .....	354
Spare bolts .....	344
Spare chain .....	344
Spare chain BOSS® .....	343
Spare handle .....	389, 391, 392, 398
Spare handle ash .....	398
Spare handle hickory .....	396
Spare handle ROTBAND-PLUS .....	388, 390, 392
Spare handle SOFT-PLUS .....	397
Spare head (piece) .....	396
Spare head SOFT-PLUS .....	397
Spare hooks (pair) .....	272
Spare jaws .....	344
Spare parts .....	199
Spare parts .....	343, 347, 348, 349, 350
Spare parts for 60 CP .....	74
Spare parts for 60 P .....	75
Spare rubber suction cup .....	271
Spare strap .....	344
Spare tapered collar .....	388
Spare tips .....	195
Spark plug brush .....	275
Spark plug gauge .....	285
Spark plug socket .....	274
Spark plug socket 3/8" .....	274
Spark plug socket NC .....	255
Spark plug socket wrench .....	275
Spark plug socket wrench NC .....	255



**ARTICLE INDEX**

Article	Page
Special body grip wrench.....	196
Special pin punch.....	277
Special scissors.....	290
Special siphon pliers.....	375
Special strap wrench.....	271
Special water pump pliers.....	346
Speed brace 1/2".....	121
Speed brace 3/8".....	110
Spindle pressure pads.....	244
Spindle summary.....	205
Splitting chisel.....	402
Spring clamp.....	62
Spring spreader.....	242
Spring steel socket rail 1/2".....	123
Spring steel socket rail 3/8".....	112
Square bladed awl.....	160
Square flatter.....	399
Stand ashtray.....	65
Steel / rubber hammer.....	278
Steel bending former up to 180°.....	363
Steel bending former up to 90°.....	362, 363
Steel tape measure.....	284
Steering-wheel puller.....	240
Stepped key.....	375, 376
Stepped tommy bar.....	89
Stone sledge hammer.....	392
Storage tray.....	65
Straightening counter-support (Pair).....	364
Straightening tool.....	364
Strap wrench.....	271
Strap wrench.....	344
Stripping pliers.....	185
Stripping pliers STRIP-FIX.....	185
Stripping tool.....	186
Stud extractor.....	243
Stud screw inserter.....	373
Stud screw wrench.....	373
Suction cup lifter.....	276
Supplementary tool assortment for S 1400 GM.....	44
Supplementary tool assortment INCH for S 1400 GA.....	44
Support brace.....	235
Swivel handle 1/2".....	123
Swivel handle 1/4".....	100
Swivel handle 3/4".....	132
Swivel handle 3/8".....	111
Swivel handle with sliding T 1/2".....	123
Swivel head reversible ratchet 1/2".....	120
Swivel head reversible ratchet 3/8".....	109
Swivel head socket 3/8".....	107
Swivel head wrench double ended.....	84, 85
Swivel head wrench set.....	59

**T**

Tailor's scissors.....	290
Tap and die set.....	287
Tap reseating tool.....	375

**ARTICLE INDEX**

Article	Page
Taper punch.....	407
Telephone pliers.....	176
Telescopic extension 1/4".....	100
Terminal-extraction tools.....	273
Thread file.....	286
Thread gauge.....	285
Threaded inserts.....	244, 245
Three-edged bearing scraper.....	400
Three-edged flat ground scraper.....	401
Three-edged hollow ground scraper.....	400
Three-pouch belt set.....	298
Three-square scraper.....	401
Tile chisel.....	404
Tile hammer.....	394
Tiler's setting tool.....	407
Tin snips.....	377
Tommy bar.....	88, 89
2 Tool panels.....	55
3 Tool panels.....	56
Tool assortment.....	26
Tool assortment.....	39, 40, 48, 49
Tool assortment AUTODOCTOR.....	37
Tool assortment for construction machines.....	51, 52
Tool assortment for mechatronics.....	53
Tool assortment for motorbikes.....	41
Tool assortment for tractors.....	51
Tool assortment for trucks.....	38, 50
Tool assortment INCH.....	40
Tool box.....	26, 32, 33
Tool box JUMBO.....	33, 34
Tool cabinet.....	29, 31, 32
Tool case.....	35
Tool case electrician.....	36
Tool case TOURING.....	35
Tool chest.....	21, 26, 33
Tool chest with mobile base.....	26
Tool holder.....	62, 63, 64
Tool holder empty.....	65
Tool holding rail, magnetic 1/2".....	123
Tool holding rail, magnetic 1/4".....	101
Tool holding rail, magnetic 3/8".....	112
Tool hook.....	61, 62, 63
Tool module 1/4".....	58
Tool module empty.....	26
Tool module empty.....	61
Tool panel.....	54
Tool rucksack PROFI.....	300
Tool rucksack SOFT.....	300
Tool set.....	201
Tool set for bicycle.....	289
Tool tray.....	65
Tool trolley.....	19, 21, 22, 23, 24
Tool trolley and tool chest.....	24
Tool trolley DUO.....	24
Tool trolley TANTO.....	25
Tool trolley VARIO.....	24



**ARTICLE INDEX**

Article	Page
Tool vest	300
Top fuller	399
Top swage	399
TORCOFIX K US	324
Torque angle Indicator	313
Torque calibration analyser DREMOTEST	334
Torque Limit Unit 3/8"	313
Torque Multiplier DREMOPLUS	330, 331
Torque Multiplier DREMOPLUS Compact	331
Torque screwdriver handle	158
Torque screwdriver set	159
Torque screwdriver Type FS	325
Torque screwdriver Type S	325
Torque screwdriver Type SP	325
Torque wrench DREMOMETER T-FS	327
Torque wrench for pre-setting TORCOFIX FS	323
Torque wrench set TORCOFIX K	322
Torque wrench set TORCOFIX SE	323
Torque wrench set TORCOFIX Z	323
Torque wrench TORCOFIX K	322
Torque wrench TORCOFIX SE	323
Torque wrench TORCOFIX UK	324
Torque wrench TORCOFIX Z	322
Torque wrench TSC SLIPPER	327
Torque wrench TSN SLIPPER	326
Torque wrench TSP SLIPPER	327
Torque wrench Type 83	328
Torque wrench Type 88	328
TORX® Gauge	165
Tower pincer	174
Track alignment gauge	242
Transport frame	34
Tray	23, 25
Triangular file	282
Triple pliers	176
Tripod stands	297
Tri-T hexagon socket key	162
Trousers	302
Truck workshop set	246
Tube holder	63
Tweezers	286
Tyre lever	270
Tyre removing tool	242

**U**

Under-gloves	265
Universal 4-way wheel wrench	269
Universal ball joint puller	241
Universal basin wrench	373
Universal cable knife	184
Universal canister	277
Universal coil spring compressor	242
Universal extension 1/2"	122
Universal extension 1/4"	100
Universal extension 3/8"	111
Universal filter wrench	271


**ARTICLE INDEX**

Article	Page
Universal hand saw	283
Universal joint 1"	134
Universal joint 1/2"	122
Universal joint 1/4"	100
Universal joint 3/4"	132
Universal joint 3/8"	111
Universal knife	293
Universal pipe bender	366
Universal pliers	287
Universal pliers	344, 345
Universal pliers assortment	171
Universal pouch	298
Universal prybar	408
Universal puller	206, 208, 209, 210, 211, 215, 216, 217, 220, 230
Universal puller HIGH POWER	207
Universal seaming pliers	371
Universal tool assortment	39, 42
Universal tool assortment INCH	43
Universal Torque Multiplier DREMOPLUS	330
U-yoke	366

**V**

Valve feeler gauge	285
Valve grinder	271
Valve holder venti-grip®	372
Valve holder venti-quick	372
Valve lapping tool	271
Valve spring compressor	271
VDE Cable knife	265
VDE Cable shears	261
VDE electricians' safety gloves	265
VDE Electricians' side cutter	262
VDE Extension 1/2"	260
VDE Flat nose pliers	263
VDE Hacksaw	265
VDE Heavy duty combination pliers	262
VDE Insulation mat	265
VDE Needle nose pliers	263, 264
VDE Plastic clamp	265
VDE pliers set	264
VDE pliers set	59
VDE Pliers set with VDE dipped insulation	264
VDE Pliers set with VDE insulating sleeves	264
VDE Power side cutter	262, 263
VDE Reversible ratchet 1/2"	260
VDE Round nose pliers	263
VDE Rubber cover sheet	265
VDE Rubber cover sheet 10 m roll	265
VDE Screwdriver	260, 261
VDE Screwdriver bit socket 1/2"	260
VDE Screwdriver set	261
VDE Screwdriver set	60
VDE Side cutter	262
VDE Single ended ring spanner	259
VDE Single open ended spanner	259
VDE Socket 1/2"	260



**ARTICLE INDEX**

Article	Page
---------	------

VDE Socket wrench	259
VDE Stripping pliers	261
VDE Stripping pliers STRIP-FIX	261, 262
VDE T-handle	260
VDE Tool cabinet	259
VDE Tool set	259, 264
VDE Torque wrench 1/2"	260
VDE Triple pliers	264
VDE Universal pliers	262
Vegetable knife	293
Veneer hammer	394
Vernier calliper, small	285
Voltage tester	165
Voltage tester	261
Voltage tester	273

### W

Watchmaker tweezers	286
Water pump pliers	345, 346
Water pump pliers NC	254
2-way wheel wrench for cars	269
4-way wheel wrench for cars	269
4-way wheel wrench for small trucks	269
4-way wheel wrench for trucks	269
Welder's grip wrench	198
Welder's grip wrench for tubes	198
Wheel set	297
Wheel socket wrench for trucks	270
Wheel-hub puller	238, 239
Wide jaw grip wrench	197
Wing protector	280
Wire brush	287
Wire stripping knife	183
Women's work coat	303
Wood plate	21
Wooden mallet	398
Work gloves FastFit	301
Work gloves M-Pact	301
Work gloves Original	301
Work knife	292
Work vest	303
Workbench	29
Workbench with drawer cabinet	29, 30
Workbench with tool cabinet	29
Working piston extension	363
Worklamp 108 W	297
Worklamp 36 W	297
Worklamp 72 W	297
Wrecking bar	408
Wrench for pedals	288
Wrench for plumbing fittings	374
Wrench for spokes	288
Writing support	65

**ARTICLE INDEX**

Article	Page
---------	------

### X

X-GRIP Circlip pliers	196
X-GRIP Circlip pliers set	196
X-GRIP Parts	196





ARTICLE INDEX	
Article	Page
1 B.....	70
1.04.....	206
1.04/B.....	206
1.04/E.....	207
1.04/HP.....	207
1.04/HP-B.....	207
1.04/ST.....	207
1.06.....	208, 209, 214
1.06/A-D.....	213
1.06/AS.....	212
1.06/AV-EV.....	213
1.06/B.....	209, 214
1.06/D.....	213
1.06/E.....	210, 214
1.06/H.....	230
1.06/HSP.....	210, 211, 213
1.06/HSP-B.....	211
1.06/HSP-E.....	212
1.06/S.....	208, 214
1.06/S-E.....	209, 214
1.06/ST.....	212
1.06/V.....	213
1.07.....	215, 216, 219
1.07/4.....	215
1.07/A-C.....	219
1.07/AS.....	217
1.07/AV-EV.....	219
1.07/B.....	216, 220
1.07/E.....	217, 219
1.07/HSP.....	217
1.07/HSP-E.....	217
1.07/K.....	218
1.07/K-HSP.....	218
1.07/K-SE.....	218
1.07/K-SE S.....	218
1.07/S.....	215, 220
1.07/S-E.....	216, 220
1.07/V.....	219
1.08.....	220
1.09.....	221
1.10.....	221
1.10 + 1.11.....	222
1.11.....	222
1.12.....	222, 223
1.12 + 1.13.....	223
1.13.....	223
1.14.....	224
1.14 + 1.15.....	225
1.14/HSP.....	224
1.14/L.....	224
1.14/L + 1.15/L.....	225
1.15.....	224
1.15/H.....	230
1.15/HSP.....	225
1.15/L.....	225
1.16.....	226

ARTICLE INDEX	
Article	Page
1.16 + 1.17.....	227
1.16/HSP.....	226
1.17.....	226
1.17/H.....	230
1.17/HSP.....	227
1.18.....	227
1.18/1.19.....	245
1.19.....	228
1.20.....	228
1.22.....	228
1.23.....	229
1.26.....	242
1.26 HYD.....	243
1.26/12.....	243
1.26/K.....	243
1.28.....	243
1.28/4.....	243
1.29.....	231
1.29/K.....	231
1.30/0-9.....	234
1.30/10.....	234
1.30/N.....	234
1.31.....	235
1.32/1-2.....	236
1.34/1 - 1.34/4.....	233
1.34/10.....	233
1.35.....	234
1.36/1-3.....	235
1.36/4.....	235
1.37.....	236
1.38.....	237
1.38/HSP.....	237
1.38/V.....	237
1.40.....	238
1.40/15.....	238
1.40/16.....	238
1.41.....	238
1.44.....	244
1.50.....	229
1.50/1.....	229
1.51.....	229
1.55.....	230
1.60.....	238
1.60/HSP.....	238
1.61.....	239
1.61/HSP.....	239
1.62.....	239
1.62/HSP.....	239
1.64.....	239
1.65.....	239
1.66.....	240
1.67.....	240
1.68.....	240
1.70.....	240
1.72.....	241
1.73.....	241

ARTICLE INDEX	
Article	Page
1.74.....	241
1.75.....	241
1.78 P.....	242
1.78 S.....	241
1.79.....	242
1.80.....	244
1.81/1 + 2.....	244
1.81/10 + 20.....	245
1.81/K.....	245
1.85/1.....	205
1.90.....	244
1.91.....	242
1.92.....	232
10 E + 10 H.....	392
100.....	342
100.....	405
100 A.....	405
1000.....	35
101.....	405
1014 L.....	34
1015 L.....	34
1016 L.....	35
1018 L.....	35
102.....	406
1021.....	160
103.....	402
104.....	271
104.....	402
105.....	271
105.....	402
1050 M.....	37
106 - 106 D.....	406
1060.....	38
107.....	406
1072 ES.....	26
1072 K.....	26
108 UNI.....	401
109.....	403
109 HS.....	403
1090.....	36
1091.....	37
110.....	403
110 HS.....	403
1104.....	290
111.....	403
111 HS.....	403
1114.....	290
112.....	403
112 A.....	403
112 S.....	403
113 - 113 D.....	406
1130.....	406
1132.....	406
114.....	405
115.....	405
116 A - 116 L.....	405







ARTICLE INDEX	
Article	Page
117	292
119	405
1190	406
120	343
120	408
121	276
121	408
121 G	276
121 G-3	276
121-3	276
122	344
122	408
123	408
124	271
124	408
125	272
125 B	407
126	272
126	344
126	407
1263	32
1265	32
127	272
127	407
1277	291
128	271
128	404
129	404
130	400
131	400
132	272
132	400
132 CLIC	272
132-2/-3	272
132-4 CLIC	272
133	81
133 D	401
133 F	401
133 H	401
133 K	401
1335	32
134	272
134	401
134 B	272
134 K	401
135	270
135	407
1350	291
136	407
136 BM	197
136 SP	197
137	196
137	407
137 K	196
137 KR	197
137 MSP	197

ARTICLE INDEX	
Article	Page
137 P	197
137 T	197
1370 Z	33
138	198
138	408
138 X	198
138 Y	198
138 Z	198
139	197
139	408
140	286
140	408
1400	31
1401	31
1402	32
1405	30
141	408
1410 L	33
142	344
142	408
1420 L	33
143	345
1430	26
1431	26
1432	26
1433-1072 ES	26
144	345
1440	33
1440 Z	34
1441 Z	34
145	345
1450 L	54
1450 LHG	55
1450 LHGZ	56
146	345
146 B	346
147	160
147-04	161
147-162-05	161
148	161
149	160
150	408
1500 ED-150 K	61
1500 ED-30	61
1500 ED-70	61
1500 ED-70 K	61
1500 ED-70 S	61
1500 ED-70 XL	61
1500 ED-85	61
1500 E-N L	61
1500 E-S L	61
1500 ES-1 B	57
1500 ES-1.07	61
1500 ES-145	59
1500 ES-19	57
1500 ES-19 IS	58

ARTICLE INDEX	
Article	Page
1500 ES-1993 T	60
1500 ES-1993 U-20	60
1500 ES-2	57
1500 ES-2 B	57
1500 ES-20	58
1500 ES-20 BIT	58
1500 ES-2133	60
1500 ES-2150 PH	60
1500 ES-2150 PZ	60
1500 ES-2163 BTX	60
1500 ES-2163 TXB	60
1500 ES-30	58
1500 ES-34	59
1500 ES-350	59
1500 ES-400	59
1500 ES-534	59
1500 ES-6	57
1500 ES-7	57
1500 ES-7 R	57
1500 ES-711	59
1500 ES-7-32	57
1500 ES-8000	60
1500 ES-D 19	58
1500 ES-DT 42	59
1500 ES-IN 19 LKM	58
1500 ES-ITX 19 LKP	58
1500 ES-ITX 30	59
1500 ES-K 19 L	58
1500 ES-K 1900	60
1500 ES-VDE 145	59
1500 ES-VDE 2170 PZ	60
1500 H 0	61
1500 H 1	62
1500 H 10	25
1500 H 11	25
1500 H 13	65
1500 H 14	25
1500 H 15	65
1500 H 16	65
1500 H 18	62
1500 H 19	62
1500 H 2 - 1500 H 3	62
1500 H 20	62
1500 H 21	62
1500 H 22	62
1500 H 23	62
1500 H 24	62
1500 H 25	63
1500 H 26	63
1500 H 27	63
1500 H 28	63
1500 H 29	63
1500 H 30	63
1500 H 31	63
1500 H 32	63
1500 H 33	63





ARTICLE INDEX  
Article Page

1500 H 34.....	63
1500 H 35.....	63
1500 H 36.....	64
1500 H 37 - 1500 H 38.....	64
1500 H 4.....	62
1500 H 5.....	62
1500 H 6.....	62
1500 H 7.....	23
1500 H 8.....	25
1500 H 9.....	25
1500 HP.....	21
1500 HS.....	64
1500 SK M.....	54
1500 ST.....	65
1502.....	27
1504.....	27
1504 XL.....	28
1505.....	28
151.....	408
152.....	346
152.....	408
152 G.....	346
152 NI.....	346
156 S.....	160
1578.....	22
1580.....	22
1585.....	23
1600.....	270, 277
162.....	161
164 IN.....	160
165 PH.....	159
165 TX.....	159
165 TX-06.....	160
165-171-06.....	160
169.....	148
17 E.....	392
171 IS.....	159
173.....	165
174.....	165
175.....	293
175.....	342
176.....	342
177.....	198
178.....	199
179.....	293
18 E.....	394
180.....	261
19.....	116
19 C / D 19 C.....	126
19 E.....	394
19 E / D 19 E.....	125
19 F / D 19 F.....	125
19 G.....	124
19 H / D 19 H.....	123
19 I / D 19 I.....	126
19 K / D 19 K.....	123

ARTICLE INDEX  
Article Page

19 L.....	116
19 LM.....	126
19 PQ / D 19 PQ.....	124
19 Q / D 19 Q.....	124
19 T / D 19 T.....	126
19 TX 20.....	128
19 V20U-10.....	127
19 W / D 19 W.....	125
1930.....	121
1932.....	121
1940.....	121
1981 K.....	121
1985.....	121
1987.....	122
1987 A.....	122
1990.....	122
1990 A.....	122
1990 KR.....	122
1993 ALU-10.....	120
1993 GU-10 XL.....	120
1993 GU-3.....	120
1993 U-10 K.....	121
1993 U-10 L.....	119
1993 U-10 T.....	120
1993 U-20.....	119
1993 U-3.....	120
1993 Z-94.....	120
1994.....	122
1995.....	122
1996-1997.....	123
1998.....	123
2.....	79, 80
2 A.....	83
2 AR.....	83
2 ATM.....	84
2 B.....	80
2.10.....	245
2.20.....	246
2.30.....	246
2.30-B.....	246
2.40.....	246
2.50.....	247
20.....	96
20 E.....	104
20 E + 20 H.....	391
20 F.....	391
20 IMU-3.....	104
20 ITU-3.....	104
20 L.....	96
20 LMU-10.....	104
20 ST.....	391
20 XLU-3 T.....	103
2000.....	22
2003.....	19
2004.....	19
2005.....	21

ARTICLE INDEX  
Article Page

202.....	404
203.....	404
2030.....	99
206.....	407
207.....	404
208.....	407
2087.....	99
2087 A.....	99
2088.....	99
2090.....	99
2090 A.....	100
2090 KR.....	100
2093 HR-94.....	99
2093 U-10.....	98
2093 U-20.....	98
2093 U-3.....	99
2093 U-3 T.....	99
2093 Z-94.....	99
2094.....	100
2095.....	100
2097.....	100
2098.....	100
2098 K.....	100
2098 T.....	100
2099.....	100
21.....	291
21.....	391
21 F.....	398
210.....	347
2104.....	402
211.....	347
212 E.....	394
2123.....	291
213 H - 214 H.....	394
2132.....	134
2133.....	89
2140.....	158, 159
2141 IP.....	158
2141 IS.....	158
2141 PH.....	158
2141 PZ.....	159
2141 TX.....	158
2150.....	153
2150-2160 PH.....	155
2150-2160 PZ-06.....	156
2153.....	154
2154.....	154
2154-2160 PH-07.....	156
2154SK.....	153
216 K.....	398
2160 PH.....	154
2160 PHZ-06.....	156
2160 PZ.....	154
2160SK PH.....	153
2160SK PZ.....	153
2161 PH.....	154





**ARTICLE INDEX**

Article Page

2161 PZ..... 154  
 2163 BK ..... 155  
 2163 BTX ..... 155, 156  
 2163 TXB ..... 155  
 2163 TXB-05 ..... 156  
 2170 ..... 154  
 218 ..... 348  
 2187 ..... 134  
 2190 ..... 134  
 2193 U-10 ..... 133  
 2193 U-3 ..... 133  
 2193 Z-94 ..... 134  
 2194 ..... 134  
 2195 ..... 134  
 22 H..... 398  
 220 ..... 347  
 2200 - 2201 ..... 407  
 221 ..... 347  
 222 ..... 347  
 223 ..... 347  
 223 H ..... 399  
 224 ..... 348  
 224 E..... 397  
 225 ..... 342, 348  
 225 E..... 397  
 226 E..... 398  
 2261 ..... 348  
 2265 ..... 349  
 2268 ..... 349  
 227 ..... 343, 349  
 227 E..... 398  
 228 ..... 349  
 228 ..... 398  
 229 ..... 349  
 229 ..... 398  
 23 E..... 399  
 230 ..... 400  
 2300 ..... 349  
 2303 ..... 350  
 231 ..... 350  
 231 ..... 400  
 232 ..... 400  
 2320 ..... 350  
 2325 ..... 350  
 233 ..... 400  
 2330 ..... 350  
 2333 ..... 350  
 234 ..... 351  
 234 ..... 400  
 239 ..... 351  
 240 ..... 352  
 2400 ..... 352  
 2405 ..... 352  
 2410 ..... 353  
 2415 ..... 353  
 2420 ..... 354

**ARTICLE INDEX**

Article Page

2423 ..... 354  
 2424 ..... 354  
 2425 ..... 354  
 243 ..... 355  
 2430 ..... 21  
 244 ..... 356  
 2450 ..... 356  
 2454 ..... 357  
 2455 ..... 357  
 2456 ..... 357  
 246 ..... 292  
 246 ..... 358  
 247 H ..... 396  
 248 F..... 396  
 248 H ..... 395  
 248 KL..... 396  
 248 ST..... 396  
 249 ..... 359  
 25 ..... 85  
 25 PK..... 86  
 25 V..... 85  
 250 ..... 360  
 250 ..... 397  
 2500 ..... 23  
 251 ..... 278  
 252 - 297 ..... 277  
 2525 ..... 24  
 2535 ..... 24  
 254 ..... 364, 365  
 2545 - 2546 - 2550 ..... 24  
 255-261 ..... 361  
 256-260 ..... 362  
 26 D..... 89  
 26 R..... 88  
 26 RS..... 89  
 260 ..... 279  
 2608 ..... 363  
 261 ..... 278  
 2630 ..... 362  
 2631 ..... 362  
 2632 ..... 363  
 2633 ..... 363  
 2634 ..... 363  
 2635 ..... 364  
 2640 ..... 363  
 2649 ..... 363  
 265 ..... 278  
 2650 ..... 363  
 2670 ..... 364  
 2671 ..... 364  
 268 ..... 362  
 269 ..... 277  
 269 ..... 365  
 269 F..... 277  
 27 ..... 270  
 271 ..... 278

**ARTICLE INDEX**

Article Page

272 - 274 ..... 278  
 275 - 276 ..... 278  
 276 ..... 366  
 277 ..... 278  
 278 ..... 278  
 278 ..... 367  
 2780 ..... 367  
 2785 ..... 367  
 2786 ..... 368  
 279 ..... 278  
 28 CU..... 269  
 28 L..... 269  
 28 LR..... 269  
 28 LRZ..... 269  
 28 PKH ..... 269  
 28 PR..... 269  
 28 PU ..... 269  
 28 PX..... 270  
 280 ..... 279  
 280 ..... 369, 370  
 285 ..... 371  
 286 ..... 371  
 289 - 291 ..... 278  
 29 ..... 136  
 29 E..... 393  
 29 ST..... 393  
 291 ..... 293  
 292 - 293 ..... 278  
 298-00 / -02..... 270  
 299 ..... 270  
 3.01..... 242  
 30 ..... 106  
 30 D / D 30 D ..... 112  
 30 E..... 393  
 30 G / D 30 G ..... 112  
 30 H / D 30 H ..... 113  
 30 I / D 30 I..... 113  
 30 Q / D 30 Q ..... 113  
 30 TX 20 ..... 115  
 300 ..... 279  
 3000 ..... 25  
 3010 ..... 24  
 3019 ..... 110  
 3020 ..... 110  
 303 ..... 371  
 304 ..... 371  
 304 ..... 79  
 305 ..... 371  
 306 ..... 82  
 306 G..... 82  
 308 ..... 83  
 3081 ..... 110  
 3084 ..... 110  
 3087 ..... 110  
 3087 A ..... 111  
 3090 ..... 111





ARTICLE INDEX  
Article Page

3090 A ..... 111  
 3090 KR ..... 111  
 3093 ALU-10 ..... 109  
 3093 GU-3 ..... 109  
 3093 U-10 ..... 109  
 3093 U-10 K ..... 110  
 3093 U-20 ..... 109  
 3093 U-3 ..... 109  
 3093 U-3 T ..... 110  
 3093 Z-94 ..... 110  
 3094 ..... 111  
 3095 ..... 111  
 3096 ..... 111  
 3098 ..... 111  
 31 K ..... 135  
 31 KR ..... 135  
 31 KVR ..... 135  
 31 R ..... 135  
 31 VR ..... 136  
 310 ..... 372  
 311 ..... 372  
 3112 - DS 3112 ..... 86  
 3114 - DS 3114 ..... 84  
 312 ..... 372  
 314 ..... 372  
 315 ..... 372  
 316 ..... 372  
 3165 ..... 372  
 3166 ..... 373  
 3170 ..... 373  
 3171 ..... 373  
 3173 ..... 373  
 3174 ..... 373  
 3175 ..... 373  
 3181 ..... 373  
 32 ..... 130  
 32 E / D 32 E ..... 132  
 32 FM / D 32 FM ..... 132  
 320 ..... 374  
 3200 ..... 406  
 321 ..... 374  
 3219 ..... 131  
 322 ..... 374  
 3221 ..... 131  
 324 ..... 374  
 328 ..... 374  
 3287 ..... 131  
 329 ..... 375  
 3290 ..... 131  
 329001 ..... 288  
 3293 U-10 ..... 131  
 3293 U-2 ..... 131  
 3293 U-3 ..... 131  
 3293 Z-94 ..... 131  
 3294 ..... 131  
 3295 ..... 132

ARTICLE INDEX  
Article Page

3296 ..... 132  
 33 F ..... 90  
 33 T ..... 90  
 33 TLM ..... 90  
 34 ..... 84  
 340 ..... 375  
 35 A - DS 35 A ..... 86  
 35 B - DS 35 B ..... 87  
 35 D ..... 88  
 35 H ..... 394  
 36 ..... 271  
 36 Z ..... 271  
 365 ..... 293  
 365 ..... 375  
 369 ..... 375  
 37 ..... 271  
 37 E ..... 399  
 372 ..... 283  
 373 ..... 375  
 376 ..... 375  
 377 ..... 376  
 3785 ..... 376  
 379 ..... 376  
 38 ..... 270  
 38 ..... 291  
 38 E ..... 399  
 380 ..... 376  
 3805 ..... 376  
 384 ..... 376  
 385 ..... 376  
 39 ..... 270  
 4 ..... 80, 81  
 4 E + 4 H ..... 389  
 4 IH ..... 389  
 4 K ..... 389  
 40 ..... 91  
 40 Z ..... 91  
 400 ..... 79  
 401 ..... 283  
 402 ..... 283  
 403 ..... 283  
 404 ..... 283  
 406 ..... 283  
 407 ..... 283  
 409 - 410 ..... 284  
 41 - 41 B ..... 136  
 41 E ..... 395  
 41 V - 41 BV ..... 136  
 4100 - 4301 ..... 323  
 4100-G - 4301-G ..... 323  
 411 ..... 284  
 4150 - 4151 ..... 323  
 42 ..... 162, 163  
 42 ..... 292  
 42 EL ..... 162  
 42 KEL ..... 162

ARTICLE INDEX  
Article Page

42 T ..... 161  
 42 TX ..... 163  
 42 X ..... 165  
 42 Z ..... 163  
 420 ..... 144  
 420 ..... 377  
 421 ..... 377  
 422 ..... 377  
 423 ..... 377  
 424 ..... 377  
 425 ..... 378  
 426 ..... 378  
 43 ..... 165  
 43 E ..... 394  
 43 KTX ..... 164  
 43 TX ..... 164  
 44 ..... 91  
 4400 - 4475 ..... 322  
 4400-G - 4440-G ..... 323  
 4522 ..... 184  
 4522 SP ..... 184  
 4524 ..... 184  
 4528 ..... 184  
 4533 ..... 284  
 4534 ..... 284  
 4549 - 4550 ..... 322  
 4549 - 4551 ..... 322  
 4549-G - 4550-G ..... 322  
 4550 ..... 322  
 4588 ..... 277  
 4589 ..... 277  
 46 E ..... 391  
 4610 ..... 165  
 4611 ..... 165  
 4612 ..... 273  
 4615 ..... 165  
 4629 ..... 184  
 47 ..... 291  
 470 ..... 144  
 471 ..... 144  
 471-023 ..... 145  
 471-042 ..... 144  
 471-044 ..... 144  
 48 E ..... 399  
 480 - 490 ..... 144  
 49 E ..... 399  
 4900 ..... 255  
 499 ..... 144  
 5.10 ..... 205  
 50 ..... 399  
 50 - 57 ..... 274  
 50 MH - 59 MH ..... 274  
 500 F ..... 389  
 500 ST ..... 390  
 501 M ..... 38  
 502 M ..... 251





ARTICLE INDEX	
Article	Page
502 P	251
503 M	251
504 A	251
504 M	251
505 A	252
505 M	252
51 E	399
513	292
525 H	390
52887 TE - 55108 TE	290
53	399
534	84
54 E	399
55	399
5550	324
56	292
56 E	399
570 H	395
5700	379
5703	379
575 F + 575 FM	393
58	275
58	400
59	400
59 - 67	292
59 GK	274
6	77, 78
6 NA	390
60 CP	74
60 E - 61 E	400
60 P - 62 P	75
60 S	75
600 E + 600 H	388
600 IH	388
6002	288
6003	288
6004	288
601 - 609	273
601 H	390
609 H	392
610	273
6101	288
6105	288
611	277
614	277
6160	288
6161	288
6162	288
6163	288
6164	288
6166-18	289
6166-20	289
6170-07	289
618	73
62 - 63	400
620 - 630	147

ARTICLE INDEX	
Article	Page
620 E + 620 H	390
620-024	147
622	273
622 H	398
625	75
626	88
626 S	89
63	292
631	270
635	73
637	74
639	74
640	276
640 E + 640 H	388
641	276
642	276
642 SP	276
643	270
644 - 646	287
645	287
646 H	391
647 - 648	275
649	74
65 E	390
652	271
653	271
654	271
6550 - 6551	324
670	147
670 K	147
671	148
671-022	147
673	148
673 K	148
673 L	148
674	148
676	148
677 H	395
680	145
685	145
685 X	146
686	145
687 TX	146
688 TX	146
690	145
690 PZD	145
693-024	147
6951	293
698	148
698-024	147
699	148
699 L	148
7	71
7 R	72
7 R-005	72
7 R-012	73

ARTICLE INDEX	
Article	Page
7 UR	73
7 UR-012	73
7 XL	72
700	148
702	284
703	285
705	285
706	285
708	165
71 GSTM	394
710	285
710-80	285
711	285
7112	318
7118	320
72 H	395
720	286
721	286
7212	318
7218	320
722-1	286
722-1 ESD	286
722-2	286
722-3/-4	286
722-5/-6	286
7312	319
7412	319
7418	320
745	285
746	285
75 GSTM	393
75 ST + 75 STM	394
75 STK + 75 STKM	394
7512	319
7518	320
753	309
754	313
755	325
756	325
757	325
758	325
759	326
76 ST	395
760	326
761	327
7612	319
7618	320
762	327
763	327
77 E	395
77 ST	395
7812	319
7818	320
79	394
7912	319
7918	320





**ARTICLE INDEX**  
Article Page

8 ..... 78  
 8000 A 0 - A 4 ..... 191  
 8000 A 01 - A 41 ..... 192  
 8000 A 01G - A 21G ..... 191  
 8000 A 02 - A 42 ..... 192  
 8000 A 0G - A 2G ..... 191  
 8000 A 4 - A 6 ..... 193  
 8000 A 41 - A 61 ..... 193  
 8000 J 0 - J 4 ..... 193  
 8000 J 01 - J 41 ..... 194  
 8000 J 02 - J 42 ..... 194  
 8000 J 4 - J 6 ..... 194  
 8000 J 41 - J 61 ..... 194  
 8005 A ..... 195  
 8005 J ..... 195  
 8006 ..... 196  
 8010 A 0 - A 4 ..... 192  
 8010 A 01 - A 41 ..... 192  
 8010 J 0 - J 4 ..... 193  
 8010 J 01 - J 41 ..... 194  
 8-0100 ..... 78  
 8-011 ..... 78  
 8093 ..... 184  
 8094 ..... 184  
 8095 ..... 184  
 8096 ..... 184  
 8097 ..... 185  
 8098 ..... 185  
 8099 ..... 185  
 8100 - 8116 ..... 313  
 8101 ..... 186  
 8102 ..... 186  
 8103 ..... 187  
 8110 ..... 174  
 8112 ..... 175  
 8120 ..... 175  
 8122 ..... 175  
 8132 ..... 175  
 8132 AB ..... 176  
 8133 ..... 176  
 8134 ..... 277  
 8135 ..... 176  
 8136 ..... 176  
 8136 AB ..... 177  
 8137 ..... 177  
 8138 ..... 177  
 8139 ..... 187  
 8140 ..... 187  
 8140-01/-02 ..... 187  
 8140-03/-04/-05 ..... 187  
 8140-06/-07/-08 ..... 187  
 8140-09/-10/-11 ..... 187  
 8140-12 ..... 188  
 8140-13/-14/-15 ..... 188  
 8140-16/-17 ..... 188  
 8140-18/-19 ..... 188

**ARTICLE INDEX**  
Article Page

8140-20 ..... 188  
 8140-21/-22 ..... 188  
 8141 ..... 189  
 8142 ..... 190  
 8143 - 8144 ..... 190  
 8145 ..... 190  
 8146 ..... 185  
 8147 ..... 186  
 8148 ..... 186  
 8149 ..... 186  
 8152 - 8153 ..... 190  
 8200 ..... 171  
 8200 ..... 313  
 8210 ..... 171  
 8245 ..... 171  
 8250 ..... 172  
 8261 - 8273 W ..... 314  
 8272 ..... 287  
 8276 ..... 270  
 8301 - 8305 ..... 328  
 8305-2 ..... 180  
 8305-4 ..... 180  
 8305-5 ..... 181  
 8305-6 ..... 180  
 8305-7 ..... 181  
 8305-7 B ..... 181  
 8305-9 ..... 181  
 8305-9 B ..... 181  
 8306-1 ..... 178  
 8306-1 B ..... 181  
 8306-10 ..... 179  
 8306-2 ..... 178  
 8306-4 ..... 178  
 8306-5 ..... 178  
 8306-6 ..... 178  
 8306-7 ..... 179  
 8306-8 ..... 179  
 8306-9 ..... 179  
 8307-1 ..... 180  
 8307-2 ..... 180  
 8307-2 B ..... 181  
 8307-3 ..... 180  
 8307-4 ..... 180  
 8307-5 ..... 180  
 8307-6 ..... 180  
 8307-7 ..... 181  
 8308-1 ..... 179  
 8308-2 ..... 179  
 8308-3 ..... 179  
 8308-4 ..... 179  
 8308-5 ..... 182  
 8308-6 ..... 182  
 8313 ..... 172  
 8314 ..... 172  
 8315 ..... 173  
 8316 ..... 173

**ARTICLE INDEX**  
Article Page

8318 ..... 173  
 8330 ..... 173  
 8350-1 ..... 182  
 8350-2 ..... 182  
 8350-3 ..... 182  
 8350-4 ..... 182  
 8350-5 ..... 182  
 8350-6 ..... 182  
 8350-7 ..... 182  
 8350-8 ..... 183  
 8350-9 ..... 183  
 8351-1 ..... 183  
 8352-1 ..... 183  
 8352-2 ..... 183  
 8352-3 ..... 183  
 8353-1 ..... 183  
 8353-2 ..... 183  
 8353-3 ..... 183  
 8354-1 ..... 183  
 8367 ..... 174  
 8370 ..... 173  
 8380 ..... 174  
 8381 ..... 174  
 840 ..... 379  
 841 ..... 380  
 842 ..... 380  
 8455 ..... 332  
 8460 - 8471 Z ..... 314  
 8480 - 8482 SE ..... 318  
 8524 SS ..... 378  
 8526 SS ..... 378  
 8531 ..... 377  
 8532 ..... 279  
 8533 ..... 279  
 8551 ..... 286, 287  
 8552 ..... 286  
 8553 ..... 287  
 8554 - 8559 AM ..... 309  
 8560 - 8565 A ..... 309  
 8561 - 8566 B ..... 310  
 8562 - 8567 C ..... 310  
 8563 - 8568 D ..... 311  
 8563 - 8568 DR ..... 311  
 8564 - 8569 E ..... 312  
 8568 DR-LKW ..... 312  
 8570 - 8575 CD ..... 311  
 8571 - 8576 DX ..... 312  
 8572 F ..... 313  
 8573 - 8578 BC ..... 310  
 8573-10 BCK ..... 310  
 8574 - 8579 DS ..... 311  
 860 ..... 380  
 8600 ..... 330  
 8601 ..... 390  
 8601 - 8607 ..... 330  
 8608 ..... 331





ARTICLE INDEX	
Article	Page
861	380
8612	333, 334
8613	331
8615 - 8660	331
870	149
870	380
8701	282
871	149
871-021	149
8719	282
8722	282
8725	282
8726	270
8728	282
8729	282
8754	316
8755	316
8756	316
8790 - 8793	316
8791	315
8792	315
8794	317, 318
8795	317
8796	317
8797	316, 317
8798	317
8799	317
880	148
8800	328
885	149
885 X	149
886	149
887 TX	149
890	149
890 PZD	149
894	76
895	76
9 E + 9 H	392
9 F	392
90 HS	407
900	296
900 01 LED	296
900 02 LED	296
900 10	296
920	301
921	301
922	301
923	300
924	301
925	302
926	302
927	302
928	303
929	303
930	303
9000	327

ARTICLE INDEX	
Article	Page
901	297
901 01 LED	297
901 02 LED	297
905	280
906	280
907	280
9100	342
9144	346
93 ST	393
94 E	393
94 ST	393
95	401
95 HS	402
95 N	402
95 NHS	402
96	404
97	402
98	404
9850	199
99	404
B 1500 L	29
B 1510	29
B 1511	30
B 1525	30
BR 1500 LH	29
BR 1504	28
CB 900	296
D 19	116
D 19 L	117
D 19 X	127
D 19 Y	127
D 20	96
D 20 DM	101
D 20 DMU-3	101
D 20 DMU-3 T	101
D 20 EMU-3	102
D 20 FMU-20	103
D 20 K	102
D 20 TMU-10	103
D 20 WMU-3	103
D 21	133
D 21 E	134
D 30	106
D 30 KMU-20	114
D 30 L	106
D 30 TX20 U-20	114
D 32	130
D 32 EMAU-2	132
D 48	275
D 55	274
DG 30	107
DIN	295
DINB	295
DIS	295
DISB	295
DP 621	295

ARTICLE INDEX	
Article	Page
DS 49	275
DT 42	161
DT 43 KTX	164
DTT 42	162
E 120	343
E 122	344
E 126	344
E 20 E + E 20 H	391
E 210-211	347
E 218	348
E 220-223	347
E 224 E	398
E 225	348
E 226 E	398
E 2261	349
E 2268	349
E 227 - E 228	349
E 229	349
E 2300 - E 2303	350
E 231	350
E 233	351
E 234	351
E 2401	353
E 2402	352
E 2403	353
E 2406	353
E 2415	354
E 243	355
E 244	356
E 245	358
E 246	358
E 248	396
E 248 H	396
E 249	359
E 250	360
E 250	397
E 250 H	397
E 250 T	397
E 254	365
E 255-261	365, 366
E 256-260	365
E 276	366
E 278	368
E 280	370
E 285	371
E 318	374
E 365	375
E 4 E + E 4 H	389
E 4 K	389
E 424	378
E 5	388
E 600 E + E 600 H	388
E 609 H	392
E 620 E + E 620 H	390
E 630 E + E 630 H	389
E 860	380





**ARTICLE INDEX**

Article Page

E 861..... 380  
 E 870..... 380  
 E 9 E + E 9 H..... 392  
 E 9850..... 199  
 E-128 ..... 272  
 E-1500 - E-3000 ..... 31  
 E-1580 ..... 31  
 E-225 ..... 343  
 E-227 ..... 343  
 E-3000 ..... 31  
 E-60..... 74  
 E-62..... 75  
 E-8005 A..... 195  
 E-8005 J ..... 195  
 E-8006 ..... 196  
 H 42 - H 42 EL ..... 163  
 H 43 TX ..... 164  
 H 6..... 64  
 H 900 ..... 296  
 H 900 5..... 296  
 H 901 ..... 297  
 HS 100 - HS 119..... 404  
 IKS 19 ..... 118  
 IKS 19 PZD ..... 118  
 IKS 20 ..... 98  
 IKS 20 PZD ..... 98  
 IKS 30 ..... 108  
 IKS 30 PZD ..... 108  
 IN 19..... 118  
 IN 19 L..... 119  
 IN 19 LK ..... 119  
 IN 19 LKM..... 128  
 IN 19 P ..... 127  
 IN 19 Q ..... 127  
 IN 20 ..... 98  
 IN 20 L..... 98  
 IN 21 ..... 133  
 IN 30 ..... 108  
 IN 30 L..... 108  
 IN 30 LK ..... 108  
 IN 30 LKM..... 114  
 IN 32 ..... 130  
 IN 32 L..... 130  
 IN 34 ..... 85  
 IN K 19 ..... 139  
 IN K 21 ..... 141  
 IN K 32 ..... 140  
 INS 20 PM..... 102  
 INX 19..... 119  
 INX 19 L ..... 119  
 INX 19 P ..... 128  
 INX 30 ..... 109  
 INX 30 L ..... 109  
 IS 19 ..... 118  
 IS 20 ..... 97  
 IS 30 ..... 108

**ARTICLE INDEX**

Article Page

ITX 19 ..... 117  
 ITX 19 B..... 118  
 ITX 19 L..... 117  
 ITX 19 LKP ..... 128  
 ITX 19 PM - ITX 19 B-PM..... 128  
 ITX 19 TX-017..... 128  
 ITX 19-20-30 T..... 129  
 ITX 20 ..... 97  
 ITX 20 IP..... 97  
 ITX 20 K..... 97  
 ITX 20 PM..... 102  
 ITX 20 TX-015..... 102  
 ITX 30 ..... 107  
 ITX 30 B..... 107  
 ITX 30 L..... 107  
 ITX 30 LKP ..... 114  
 ITX 30 PM..... 114  
 ITX 30 TX-015..... 115  
 ITX 32 ..... 130  
 ITX 34 ..... 85  
 ITX K 19..... 139  
 K 19..... 138  
 K 19 L ..... 138  
 K 19 LD ..... 138  
 K 1900..... 143  
 K 1900-013 ..... 143  
 K 19-028..... 139  
 K 20..... 137  
 K 21..... 141  
 K 21 L ..... 141  
 K 30..... 137  
 K 32..... 140  
 K 32 L ..... 140  
 K 32-040..... 140  
 K 37..... 142  
 K 37 L ..... 142  
 K 64..... 143  
 KB 1930 - KB 1995 ..... 139  
 KB 1970 - KB 1975 ..... 139  
 KB 2070 - KB 2090 ..... 137  
 KB 2132 - KB 2195 ..... 141  
 KB 3019 - KB 3095 ..... 137  
 KB 3070 / KB 3075 ..... 137  
 KB 3219 - KB 3275 ..... 140  
 KB 3721 - KB 3775 ..... 142  
 KB 619 - KB 630..... 147  
 KB 6437 - KB 6475 ..... 143  
 KB 819 - KB 830..... 149  
 KD 26 R..... 88  
 KD 626 ..... 89  
 KR 19..... 138  
 KSF 1580..... 22  
 NC 1.04..... 255  
 NC 1.04/E..... 255  
 NC 119 ..... 255  
 NC 137 ..... 254

**ARTICLE INDEX**

Article Page

NC 145 ..... 254  
 NC 19 ..... 254  
 NC 1987 ..... 254  
 NC 1990 ..... 254  
 NC 1993 U-10 T ..... 254  
 NC 2150 ..... 253  
 NC 2160 PH ..... 253  
 NC 30 ..... 253  
 NC 3087 ..... 254  
 NC 3090 ..... 254  
 NC 3093 U-10..... 254  
 NC 42 ..... 253  
 NC 49 ..... 255  
 NC 50 - NC 54..... 255  
 NC 59 GK..... 255  
 NC 60 P ..... 252  
 NC 7..... 252  
 NC 8132 ..... 255  
 NC 8132 AB ..... 255  
 NC 8210 ..... 255  
 NC 8316 ..... 255  
 NC 97 ..... 255  
 NC D 19..... 254  
 NC D 30..... 253  
 NC H 42..... 253  
 NC SCL 43 TX-80..... 253  
 PH 42-88 ..... 163  
 PR 265 - PR 345..... 275  
 R 1500 L ..... 29  
 R 1504 L ..... 28  
 R 2003 L ..... 21  
 R 901..... 297  
 RB 2004 L ..... 21  
 RZB1-10 ..... 200  
 RZB1-11 ..... 200  
 RZB1-15 ..... 201  
 RZB1-16 ..... 201  
 RZB1-17 ..... 264  
 RZB1-18CR..... 201  
 RZB1-2 ..... 200  
 RZB1-3 ..... 200  
 RZB2-11 ..... 264  
 RZB2-12 ..... 201  
 RZB2-5 ..... 264  
 S 1002 M..... 51  
 S 1003 M..... 51  
 S 1004 M..... 45  
 S 1005 A ..... 52  
 S 1006 M..... 50  
 S 1007 M..... 47  
 S 1008 M..... 46  
 S 1009 M..... 49  
 S 1011 M..... 48  
 S 1012 M..... 26  
 S 1013 M..... 41  
 S 1020 M..... 39







ARTICLE INDEX	
Article	Page
S 1023 M.....	53
S 1150 M.....	39
S 1151 A.....	40
S 1151 M.....	40
S 1400 GA.....	43
S 1400 GM.....	42
S 1400 ZA.....	44
S 1400 ZM.....	44
S 141-3.....	408
S 2032-05.....	101
S 42.....	163
S 51 GU.....	274
S 56 U-10 K.....	275
S 8000.....	190
S 8003 JC.....	170
S 8003 TL.....	170
S 8004 TL.....	170
S 8006.....	196
S 8008.....	190
S 8010.....	190
S 8100.....	190
S 8140 A.....	188
S 8140 D.....	188
S 8140 E.....	188
S 8140 J.....	189
S 8140 PA.....	189
S 8140 PE.....	189
S 8140 PN.....	189
S 8200 JC.....	170
S 8200 TL.....	170
S 8303 JC.....	170
S 8303 TL.....	170
S 8305 ESD.....	178
S 89.....	273
SCL 42.....	163
SCL 43 TX-80.....	164
SK 2154 PH-06.....	153
SL 19.....	123
SL 2013.....	101
SL 3014.....	112
ST 901.....	297
TGB.....	295
TGE.....	295
TGM.....	295
TGP.....	295
TIN 680.....	146
TIN 685.....	146
TIN 687 TX.....	146
TIN 690.....	146
TIN 690 PZD.....	146
TX 19.....	117
TX 19 E-09.....	128
TX 20.....	97
TX 30.....	107
TX 30 E-08.....	115
TX 33 T.....	90

ARTICLE INDEX	
Article	Page
TX 34.....	85
TX 4.....	81
TX K 19.....	139
TX K 30.....	137
V 35 A - DSV 35 A.....	87
V 35 B - DSV 35 B.....	87
V 406.....	265
V 8091.....	261
VB 19 M - VBD 19 M.....	129
VB 20.....	105
VB 30.....	115
VBE 19 INL.....	129
VBI 19 M.....	129
VBTX 19.....	129
VDE 1001.....	259
VDE 1030.....	259
VDE 146.....	262
VDE 19.....	260
VDE 1988 - VDE 1989 T.....	260
VDE 1990.....	260
VDE 1991.....	260
VDE 1993 U.....	260
VDE 2 E.....	259
VDE 2133.....	259
VDE 2160 PH.....	260
VDE 2160 PZ.....	261
VDE 2170.....	260
VDE 2170-2160 PH.....	261
VDE 4507.....	260
VDE 4522.....	265
VDE 4527.....	265
VDE 4614.....	261
VDE 8094.....	261
VDE 8098.....	261
VDE 8098 H.....	261
VDE 8099.....	261
VDE 8099 H.....	262
VDE 8120.....	263
VDE 8120 H.....	263
VDE 8122.....	263
VDE 8122 H.....	263
VDE 8132.....	263
VDE 8132 AB.....	264
VDE 8132 AB H.....	264
VDE 8132 H.....	263
VDE 8133 H.....	264
VDE 8250.....	262
VDE 8250 H.....	262
VDE 8314.....	262
VDE 8314 H.....	262
VDE 8315 H.....	262
VDE 8316.....	262
VDE 8316 H.....	263
VDE 894.....	259
VDE 910.....	265
VDE 911.....	265

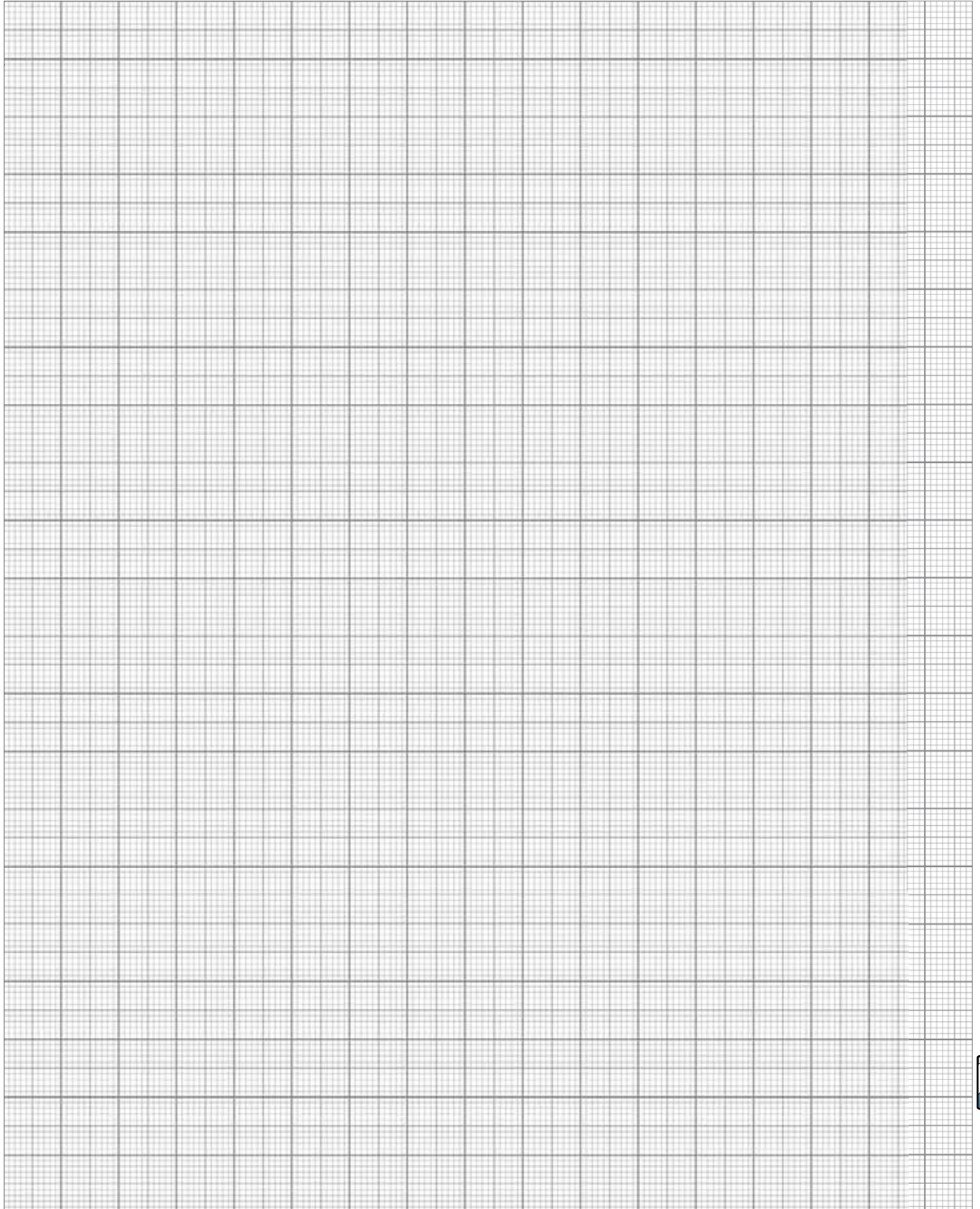
ARTICLE INDEX	
Article	Page
VDE 912.....	265
VDE 913.....	265
VDE IN 19.....	260
VDE S 8003.....	264
VDE S 8003 H.....	264
VH 1.....	65
VH 19.....	123
VH 30.....	112
VS 1500 H.....	65
VS 1582.....	65
VS 19 H.....	65
VS 1930.....	121
VS 20.....	105
VS 2150 XL.....	157
VS 2150-2154.....	157
VS 2155 S.....	156
VS 2160-2161.....	157
VS 2163.....	157
VS 245 H.....	65
VS 247 H.....	396
VS 8000.....	191
VS 8001 JC.....	171
VS 8002 TL.....	171
VS 8010.....	191
WT 1056 1.....	298
WT 1056 2.....	298
WT 1056 3.....	298
WT 1056 4.....	298
WT 1056 5.....	298
WT 1056 6.....	299
WT 1056 7.....	299
WT 1056 8.....	299
WT 1056 9.....	299
WT 1056 10.....	299
WT 1056 11.....	300
WT 1056 12.....	300
WT 1056 13.....	300
WVH 1.....	65







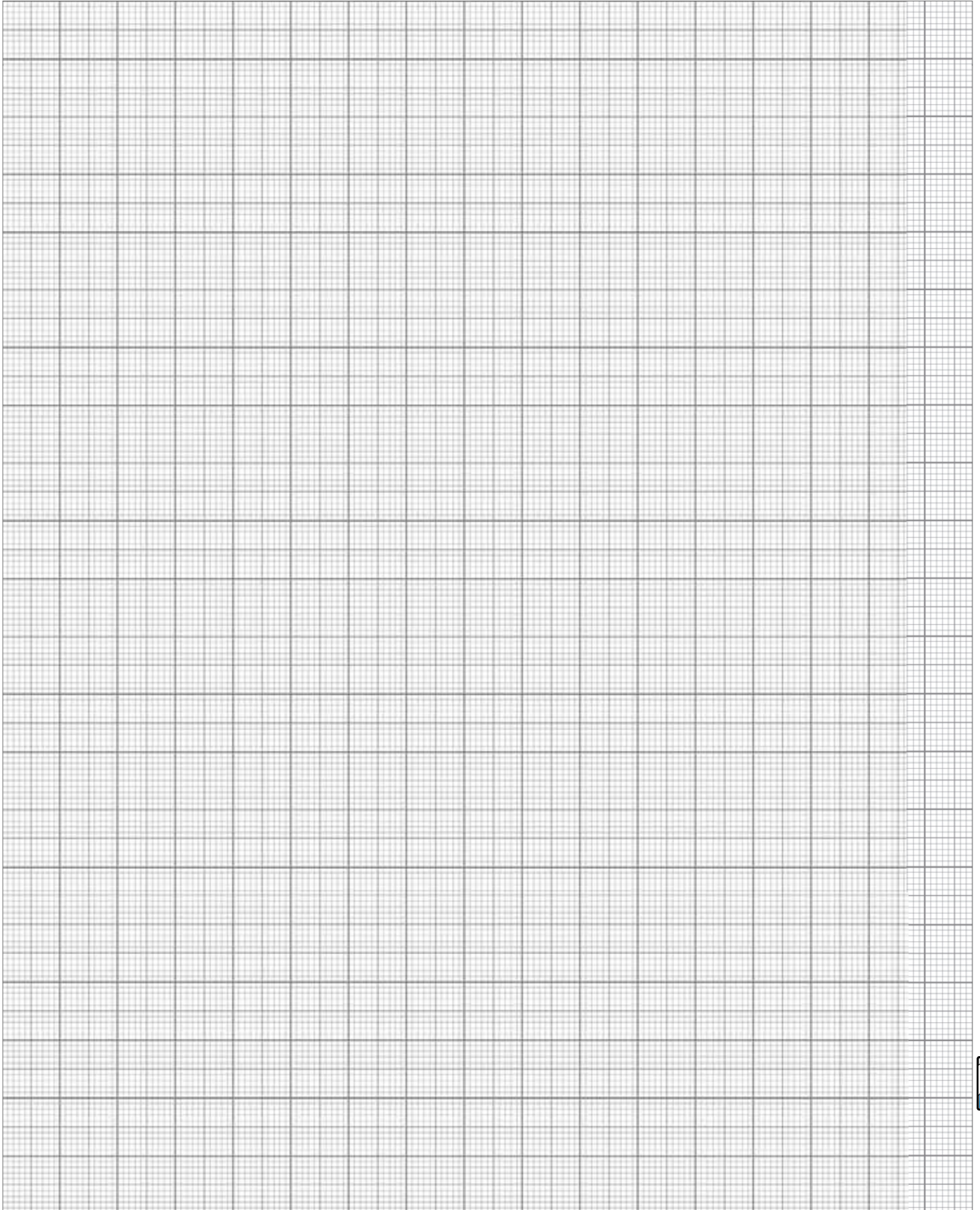
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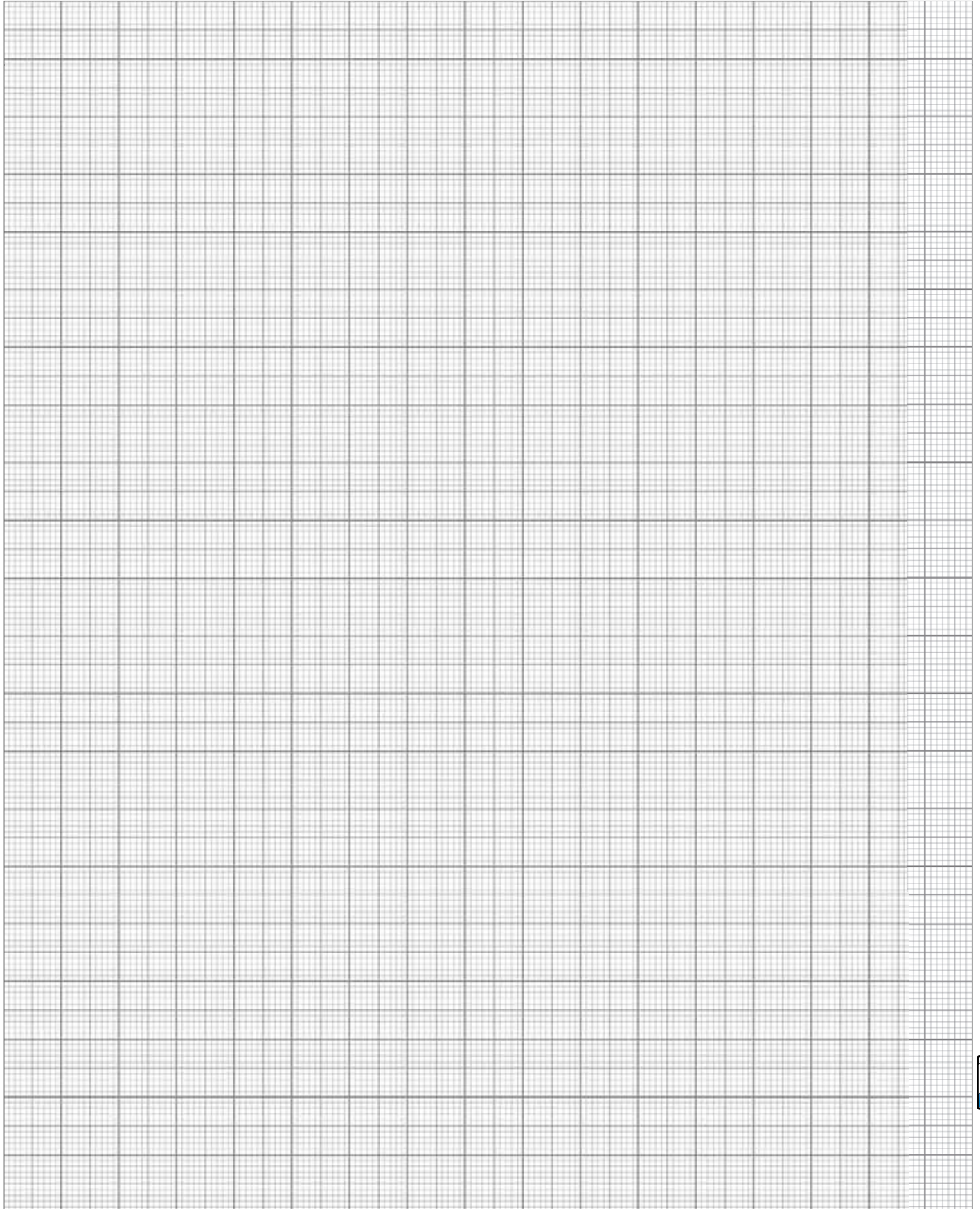
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# NOTES



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