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FEEL THE MARKED DIFFERENCE
WITH THE GEDORE PLIER HANDLES

Everything handled securely

> Use of the best-possible steels, most up-to-date machinery and environmentally-friendly production processes
> Our tool specialists vouch for exactness in processing and continuous refinements
> Unique manufacturing processes and special tool treatment bring about the best in results
> Stringent quality checks after each production step ensure a constantly high level
> Professional service up to the development of special customised tools

Powerful gripping made easy

> Fitted with anti-slip nubs and finger protection - for a firm grip
> Ergonomically ideally placed hard and soft elements ensure fatigue-free working
> Kind-to-hands feel, extensive hand contact surface
> Anti-slip nubs support thumb gripping
> They provide thumb with the right hold and ensure reliable plier guidance
> This is true particularly for pulling or rotating movements with the pliers

Precision, dimensioned accuracy and exactness of fitting

> High-grade industrial quality for the toughest forms of continuous use and safety in everyday work
> High bending stiffness thanks to GEDORE special hardened and tempered steel
> GEDORE pliers do not fracture or splinter when overloaded but deform under incorrect use, therefore posing a lower risk of injury to the user
> GEDORE pliers rest comfortably in the hand (M/XL/XXL) - the most important requirement, in fact, for non-taxing and safe working

Intelligently designed or the MIN-MAX principle

> Benefits in practical application from optimum utilization made of the laws of leverage.
> Maximum power transfer of the pliers with a minimum effort required
> For the pliers this means: optimum transfer of power - very high cutting performance
> For those using the pliers this means: precise, fatigue-free and ergonomic working
> The specially developed “power pliers” stands up well particularly in hard continuous operations (higher clamping forces with up to 35 % less effort exerted)
MANUFACTURING PROCESS FOR
8250 COMBINATION PLIERS

1. Blank cropped to size from C50 hardened and tempered steel.

2. Hot forged in the double forging die. The excess burr is removed under an eccentric press.

3. The blanks are “normalised” to obtain an even finer-grain, more uniform structure with optimum strength. After descaling, the blanks are calibrated for the following work steps.

4. The head is machined in a CNC-controlled machining centre. The rivet hole is drilled and counter-bored. The joint clearance and the outer contour are milled. The geometry of the joint area and the coarse and fine toothing are broached.

5. The joint faces are precision milled. The pliers head takes on its final form.

6. The moving and fixed pliers legs are riveted together. A smooth-moving joint with no play is the essential requirement for safe one-handed operation.

7. In a chamber hardening kiln, the pliers are hardened in a protective gas atmosphere, quenched in oil and finally annealed. The design of the hardening kiln ensures that the process gases are uniformly distributed, which has a positive effect on the desired material properties.

8. 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.

9. The pliers head is ground to achieve a flush geometry.

10. The surface is cleaned by sand blasting. The removal of scale and grease is necessary for the follow-on electroplating process.

11. Nickel-plated and matt-chrome-plated to prevent dazzle. The electrolytically deposited nickel coating provides the corrosion protection. The electroplated chrome improves the look and gives the pliers a perfect finish.

12. TL pliers are painted black by a robot, using water soluble paint.

13. The 2-component handles are pressed on and bonded.

14. The plastic coating on the handles is built up by multiple dipping in liquid immersion compound.

The complete range:
form and function perfection

- Extremely wide selection in sizes, finish and grip designs for specialists and non-specialists alike
- Model X = chrome-plated, 2-component handle protectors
- Model TL = black with blue dipped handle protector
- Available individually or in practical sets, in the module or in assortments

On request also available with SB pack (plastic hanging clip, Euro perforation for self-service display wallboard)

VDE TOOLS
POWER
PLIERS

Maximum cutting performance yet with a low level of effort expended thanks to an optimum interaction of cutting geometry, eccentric rivet bearing and ergonomic handle design.

The pliers are hot-forged from high-grade GEDORE special steel and then oil-hardened.

Best cutting power (Bcp) reveals the optimum cutting point under perfect power utilisation.

Gripping surface with file cut for particularly effective hold especially suitable for thin workpieces.

Power pliers: The effort required in using them is down 35% on account of the pivot transferred to the front and the resulting lengthened lever.

Ergonomically ideally placed hard and soft elements give the grip its GEDORE typical kind-to-hands feel.

Finger protection ensures maximum safety.

Anti-slip nubs give the thumb a secure hold when rotating and pulling movements are involved. They thus ensure powerful plier gripping.

Roughly toothed recess for securely holding screws, pipes etc.

Extra high-performance cutting edge thanks to additional GEDORE induction hardening (62 - 64 HRC) for heavy continuous use.

2-component handles - fatigue-free working even when continuously used.

Gripping surface with file cut for particularly effective hold especially suitable for thin workpieces.

Force equation

\[ \Sigma M (rivet) = 0 = F(\text{hand}) \times L(\text{hand}) = F(\text{cutting edges}) \times L(\text{optimum cutting edge distance}) \]

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

"K" identifies the GEDORE Power Pliers range, offering increased cutting and gripping force with up to 35 % less effort.
Cutting forms as per DIN ISO 5742

Cutting without cutting bevel (without chamfer)
For flush cutting of plastics.

Cutting with a slight cutting bevel (small degree of chamfer)
Especially for the electronics field.

Cutting with cutting bevel (with chamfer)
Especially for steel wire, piano wire and springs. The large chamfer ensures a long service life of the cutting edge.

Joint types

lap joint

inserted joint

safety-box joint

Basic jaw forms

flat jaws

flat/round jaws

round jaws

Wire categories to DIN ISO 5744

<table>
<thead>
<tr>
<th>Material examples</th>
<th>Wire hardness</th>
<th>Tensile strength N/mm²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nail, wire nail, bronze wire</td>
<td>soft</td>
<td>approx. 600</td>
</tr>
<tr>
<td>Wire rope fibre, steel wire</td>
<td>medium-hard</td>
<td>approx. 1600</td>
</tr>
<tr>
<td>Spring-steel wire</td>
<td>hard/Piano wire</td>
<td>approx. 2300</td>
</tr>
</tbody>
</table>
Combination Pliers

8248 ANGLED COMBINATION PLIERS

- For the toughest of demands
- Optimum utilisation of the power in one’s hands
- No forced positioning of the hand
- Fatigue-free working over a long period made possible
- High-grade GEDORE special hardened and tempered steel for high cutting performance and a long service life

- Induction-hardened precision cutting edges, hardness 63 – 65 HRC
- For all wires including piano wire, 1.6 mm
- Hot-drop forged
- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles

A pliers head angled at 60° goes easy on your joints and tendons. And you keep the workpiece in view at the same time.

- Specially offset teeth in the grip surfaces for best-possible gripping on pipes and screws

8248 ANGLED COMBINATION PLIERS

<table>
<thead>
<tr>
<th>Length</th>
<th>L</th>
<th>Jaw Width 1</th>
<th>Jaw Width 2</th>
<th>Tip Width</th>
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8200 
**COMBINATION PLIERS**

- Practical small combination pliers especially for confined spaces or as car-boot tool
- For flat and round material
- For medium-hard wire, 1.6 mm
- Similar to DIN ISO 5746
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles

<table>
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8210 
**COMBINATION PLIERS**

**German pattern**

- Acc. to DIN ISO 5746
- Reinforced type, for tough continuous operations
- Lay-on cutter box
- For flat and round material
- For medium-hard wire, 1.6 mm
- Induction-hardened precision cutting edges, hardness 62 - 64 HRC
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles

<table>
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<th>L</th>
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</table>

8245 
**COMBINATION PLIERS**

**Euro pattern**

- Acc. to DIN ISO 5746
- Universal model with slimline head, ideal for confined spaces
- Induction-hardened precision cutting edges, hardness 62 - 64 HRC
- For flat and round material
- For medium-hard wire, 1.6 mm
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles

<table>
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</table>
8250 POWER COMBINATION PLIERS

- Acc. to DIN ISO 5746
- For heavy continuous use
- Good lever action for easy cutting
- For flat and round material
- To cut all wire types including piano wire, 1.6 mm
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles
- Power combination pliers: The effort required in using them is down 35 % on account of the pivot transferred to the front and the resulting lengthened lever.
- High-grade 2-component handles with finger protection enable work to be done ergonomically and to the exclusion of tiredness.
- Inductively hardened cutting edges (62 - 64 HRC) ensure constant cutting power over a long time span.
- Roughly toothed gripping surfaces for securely holding screws, pipes etc.
- Maximum cutting performance yet with a low level of effort expended thanks to an optimum interaction of cutting geometry, eccentric rivet bearing and ergonomic handle design.
- Convex handle shape for a high force build-up*
- * Crowned surfaces/handles - i.e. which are hardly rounded - prevent unfavourable, punctual peak forces. As a result, the force is evenly spread across your hand.

<table>
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8250-225 TL
POWER COMBINATION PLIERS

- New
**8313 SIDE CUTTER**
for plastic

- Without cutting edge bevel, for flush cutting of plastic parts or similar soft materials
- Black, cutting faces flat-ground, with compression spring for automatic opening
- With blue dipped non-slip handles (TL)

<table>
<thead>
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</table>

**8314 SIDE CUTTER**
Swedish pattern

- Acc. to DIN ISO 5749
- With slender head - ideal for confined spaces
- Induction-hardened precision cutting edges, hardness 63 - 65 HRC
- For medium-hard wire, 1.6 mm
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles

<table>
<thead>
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**8315 ELECTRICIANS’ SIDE CUTTER**

- Double-function electricians’ side cutters: for cutting and stripping wire
- Stripping notches for single- and multi-core wire, 1.5 mm² and 2.5 mm² conductor cross-section
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- JC = chrome-plated, with 2-component handles

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Length</th>
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</table>

**8314-180 POWER SIDE CUTTER**
Swedish pattern

- Convex handle shape for a high force build-up
- Acc. to DIN ISO 5749
- With slender head - ideal for confined spaces
- Induction-hardened precision cutting edges, hardness 63 - 65 HRC
- For hard wire/piano wire
- Max. cutting capacity Ø 1.6 - 2.0 mm
- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Length</th>
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**8315-160 ELECTRICIANS’ SIDE CUTTER**

- Double-function electricians’ side cutters: for cutting and stripping wire
- Stripping notches for single- and multi-core wire, 1.5 mm² and 2.5 mm² conductor cross-section
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- JC = chrome-plated, with 2-component handles

<table>
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<th>Code No.</th>
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**8314-180 POWER SIDE CUTTER**
Swedish pattern

- Convex handle shape for a high force build-up
- Acc. to DIN ISO 5749
- With slender head - ideal for confined spaces
- Induction-hardened precision cutting edges, hardness 63 - 65 HRC
- For hard wire/piano wire
- Max. cutting capacity Ø 1.6 - 2.0 mm
- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles

<table>
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<th>Code No.</th>
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</tbody>
</table>
## 8316 POWER SIDE CUTTER

- Acc. to DIN ISO 5749
- Good lever action for easy cutting
- For hard wire/piano wire
- Max. cutting capacity Ø 1.4 - 2.0 mm

GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed

JC = chrome-plated, with 2-component handles
TL = steel-grey, with blue dipped non-slip handles

Inductively hardened cutting edges (63 - 65 HRC) ensure constant cutting power over a long time span.

Maximum cutting performance yet with a low level of effort expended thanks to an optimum interaction of cutting geometry, eccentric rivet bearing and ergonomic handle design.

### 8316 POWER SIDE CUTTER

American pattern

<table>
<thead>
<tr>
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VDE 8316 / VDE 8316 H

S 8303 JC
**8318 LEVER-ACTION SIDE CUTTER**

- For hard wire/piano wire 1.6 mm
- Double-jointed for maximum cutting performance
- Head and joint made from special steel, head gun-metal finished
- Handles chrome-plated and PVC coated

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**8370 LEVER-ACTION END CUTTING NIPPER**

- Acc. to DIN ISO 5748
- For hard wire/piano wire - values see table
- Double-lever mechanism for maximum cutting performance
- C65 tool steel, fully forged
- GEDORE blue varnished
- * not standardised

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**8367 END CUTTING NIPPER POWER**

- Acc. to DIN ISO 5748
- Good lever action for easy cutting
- Induction-hardened precision cutting edges, hardness 63 - 65 HRC
- For hard wire/piano wire 1.6 mm
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles

<table>
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**8380 TOWER PINCER**

- Heavy-duty wire braid and mesh-cutting pincers
- Acc. to DIN ISO 9242, Form A
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- For medium-hard wire, 1.6 mm
- Heads ground, steel-grey, with blue dipped non-slip handles (TL)
- Geometrically optimised head and handle areas for ergonomic use
- In high-quality tool steel

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**8381 PINCER**

- Standard heavy-duty pincers
- Acc. to DIN ISO 9243, Form A
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- Heads ground, steel-grey, with blue dipped non-slip handles (TL)
- In high-quality tool steel

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**Flat Nose / Round Nose Pliers**

**8110**
**FLAT NOSE Pliers**
without cutting edge, serrated

- Acc. to DIN ISO 5745
- Short jaws, serrated gripping faces
- For holding and bending
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles

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**8120**
**FLAT NOSE Pliers**
without cutting edge, serrated

- Acc. to DIN ISO 5745
- Long jaws, serrated gripping faces
- For holding and bending
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles

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**8112**
**ROUND NOSE Pliers**
serrated

- Similar to DIN ISO 5745
- Short jaws, serrated gripping faces
- For gripping and bending
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles

<table>
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**VDE 8120 / VDE 8120 H**

- 585
## 8122
### ROUND NOSE PLIERS

**serrated**

- Acc. to DIN ISO 5745
- Long jaws, serrated gripping faces
- For gripping and bending
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles

<table>
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## 8132
### TELEPHONE PLIERS

**with cutting edge, serrated, straight pattern**

- Acc. to DIN ISO 5745
- Long, flat-round jaws, straight gripping faces, serrated
- For holding, gripping, bending and cutting
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles

<table>
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## 8132 AB
### BENT NOSE TELEPHONE PLIERS

**with cutting edge, serrated, angled pattern**

- Similar to DIN ISO 5745
- Long, flat-round jaws, angled gripping surfaces, serrated
- 45° angled tips make gripping round the corner possible
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles

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8133 MULTIPLE PLIERS

- Multifunctional pliers for the mechanical and electronic fields
- Holding, cutting, insulation-stripping, crimping, squeezing
- Flat-round jaws, straight gripping faces, serrated
- For medium-hard wire, 1.6 mm
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed

8133 MULTIPLE PLIERS
with cutting edge, serrated, straight pattern

<table>
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</table>

8135 TELEPHONE PLIERS
without cutting edge, serrated, straight pattern

- Acc. to DIN ISO 5745, straight pattern
- Flat-round tapered jaws, cross-hatched gripping surfaces and fine-tipped nose
- Also suitable as needle nose soldering pliers
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles

<table>
<thead>
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<th>L (mm)</th>
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8136
**MECHANICS PLIERS**
without wire cutter, straight pattern

- Acc. to DIN ISO 5745
- Flat-round tapered jaws, cross-hatched gripping surfaces
- For holding, gripping and bending
- Fine-tipped nose, for safe work in confined spaces
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed

- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles

<table>
<thead>
<tr>
<th>Code No.</th>
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8136 AB
**MECHANICS PLIERS**
without wire cutter, angled pattern

- Similar to DIN ISO 5745
- Flat-round tapered jaws, cross-hatched gripping surfaces
- 45° angled tips make gripping around corners possible
- Fine-tipped nose, for safe work in confined spaces
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed

- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles

<table>
<thead>
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</table>

8137
**MECHANICS PLIERS**
without wire cutter, offset pattern

- Flat-round tapered jaws, cross-hatched gripping surfaces
- Fine-tipped nose
- Gently-curved jaws enable holding and gripping to be done in inaccessible places
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles

<table>
<thead>
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<th>Code No.</th>
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<td>2.8</td>
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</tbody>
</table>

8138
**MECHANICS PLIERS**
without wire cutter, 30° angled

- 30° angled flat-round tapered, hooked jaws, cross-hatched gripping surfaces 30°, fine-tipped nose
- For safe gripping, positioning and loosening of round, oval and angular parts
- Ideal for spark plug connectors and all kinds of hoses (e.g. radiator hoses)
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles

<table>
<thead>
<tr>
<th>Code No.</th>
<th>L (mm)</th>
<th>W (mm)</th>
<th>W₁ (mm)</th>
<th>T₁ (mm)</th>
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<td>68</td>
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<td>2.8</td>
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</tbody>
</table>
8317
BOWDEN CABLE CUTTER/WIRE ROPE CUTTER

- Crimping of bowden-cable sleeves and end-sleeves 1.5 mm and 2 mm
- For cutting wire rope up to 2 mm diameter and bowden-cable sleeves up to 5 mm diameter as well as for medium-hard wire
- With opening spring, transport lock and width adjustment
- Induction-hardened cutting edges

<table>
<thead>
<tr>
<th>Code</th>
<th>No.</th>
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</thead>
<tbody>
<tr>
<td>0.150</td>
<td>8317-160 JC</td>
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</table>

GEDORE WIRE ROPE CUTTER

- Shearing cut - the cutting plates slide past each other and in this way dissect the material.
- The wire rope is cleanly cut and retains its circular cross-section. It does not fan out.

BOLT CUTTER

- Notch cut; the cutters press into the material and create a notch. The material is compacted and thus separated.
- The wire rope is compressed and thus loses its circular cross-section at the cut. The wire rope fans out as a result.

8320 JC
WIRE ROPE CUTTER

Execution:
- Easy-to-change cutting plates
- Cutting plates of powder metallurgical high-speed steel (HSS). Manufactured in the MIM process (Metal Injection Molding)
- Extremely high durability compared to traditional wire rope cutters
- Extremely soft shearing cut reliably prevents the wire rope from fanning out
- Tip: Can be operated with one hand of an average size up to a 5 mm Ø. Therefore optimally suited as shears in an emergency at sea.

Jaws/Cutting edges:
- Specially arched cutting edges
- Easy to replace cutting plates if worn
- Hardness 62 - 65 HRc
- Low force needed due to the optimum cutting-edge geometry
- Two integrated press profiles for Bowden cable terminal sleeves and cable end sleeves

Cutting performance:
- Wire ropes up to 1800 N/mm² with max. 6 mm Ø
- (e.g. stainless steel wire ropes, wire ropes with steel and textile cores, Bowden cables, shears)
- Wire up to 750 N/mm² with max. 4 mm Ø
- (e.g. nails/wire nails, screws, bolts, ceiling banners)
- Single- and multi-core copper and aluminium cables with max. 6 mm Ø

<table>
<thead>
<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>0.480</td>
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</tbody>
</table>

E-8320
SET OF SPARES FOR WIRE ROPE CUTTER

- Consisting of: 2 cutting plates, 2 screws, 1 TORX® cranked socket key
## 8090 Cable Shears

- For cutting single, multiple and fine-wire copper and aluminium cables up to Ø 15 mm / 50 mm²
- An easy precision-type cut
- One-handed operation
- No cable squeezing or deformation
- Not suitable for steel wire, wire rope and hard-drawn copper wire

### Specifications

<table>
<thead>
<tr>
<th>mm²</th>
<th>Ø</th>
<th>mm</th>
<th>Inch</th>
<th>Code</th>
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<td>170</td>
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<td>8090-170 TL</td>
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</table>

## 8092 Cable Shears

- Max. cutting capacity Ø 10 mm²
- For cutting multi-core copper and aluminium cables up to Ø 10 mm
- Precision ground for optimum action, new cutting-edge geometry
- Not suitable for steel wire and hard copper
- Hardness 55 HRC
- Special hardened and tempered steel, forged, ground, with dipped handle grips

### Specifications

<table>
<thead>
<tr>
<th>mm²</th>
<th>Ø</th>
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<th>Inch</th>
<th>Code</th>
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</table>

## 8093 Cable Shears

- For cutting multi-core copper and aluminium cables up to Ø 27 mm
- Not suitable for wire ropes and steel wire
- New cutting-edge geometry for a clean, smooth cut
- Optimum lever action requires less effort
- Compact design, low weight
- Cutter head made from forged special tool steel
- High-strength tubular aluminium handles, powder-enamelled, with rubber grips

### Specifications

<table>
<thead>
<tr>
<th>Ø</th>
<th>mm²</th>
<th>mm</th>
<th>Inch</th>
<th>Code</th>
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</table>

## 8094 Cable Shears

- For cutting multi-core copper and aluminium cables up to Ø 20 mm
- When using first and final cuts, the diameter increases to Ø 25 mm
- The handle width remains within the range of ergonomic single-hand operation
- First cut: Use the front blade to cut the cable sheath
- Final cut: Place the cable in the back blade and separate the wire(s)
- Cutting edges additionally inductively hardened
- Precision ground for optimum action, new cutting-edge geometry
- Adjustable screw joint with finger protection
- Not suitable for steel wire or hard-drawn copper wire
- Special hardened and tempered steel, forged, gun-metal finish, with dipped handle grips

### Specifications

<table>
<thead>
<tr>
<th>Ø</th>
<th>mm²</th>
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<th>Inch</th>
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</table>

## 8095 Cable Shears

- Shear’s head in stainless steel, opens automatically
- With impact-resistant plastic handles
- With practical closure
- For wire up to 10 mm²

### Specifications

<table>
<thead>
<tr>
<th>mm²</th>
<th>Ø</th>
<th>mm</th>
<th>Inch</th>
<th>Code</th>
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</table>
PLIERS RANGE

**8097 STRIPPING PLIERS**

*automatic*

- With V-shaped cutting knife
- For stripping single-strand conductors 0.2 - 6.0 mm²
- Adjustable stripping length
- With wire cutter up to 2 mm

<table>
<thead>
<tr>
<th>L</th>
<th>L₁</th>
<th>W₁</th>
<th>T₁</th>
<th>mm²</th>
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</table>

**8098 STRIPPING PLIERS**

- Opens automatically, with spring and adjusting screw
- V-shaped cutting jaws for stripping the plastic insulation of single- and multi-core conductors
- Adjuster and counter screws for easy setting to the desired wire or flex diameter
- For 0.8 - 6.0 mm wires
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles

**8099 STRIPPING PLIERS STRIP-FIX**

- Self-adjusting, for wires 0.5 - 5.0 mm²
- V-shaped cutting jaws for stripping the plastic insulation of single and multi-core conductors
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles
- Pair of spare knives no. E-8099

**E-8099 PAIR OF SPARE KNIVES**

*for stripping pliers STRIP-FIX*

<table>
<thead>
<tr>
<th>L</th>
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<th>Code</th>
<th>No.</th>
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<tbody>
<tr>
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</table>

**VDE 8099 / VDE 8099 H**

Pair of spare knives no. E-8099
ELECTRONIC PLIERS

- For bending, straightening and assembly work in the electronic and precision mechanical sector
- GEDORE ESD-electronic-pliers dissipate electrostatic energy in a slow, controlled manner
- Surfaces: Ground-steel - no flaking chrome parts to cause faults in electronic circuitry

ESD = electrostatic discharge protection
BL [BL] = 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.

CARE REGULATION

- For safety reasons ESD pliers are not coated with chrome.
- The surface of the pliers is of polished steel and therefore is at the mercy of corrosion.
- As such, the surfaces of these pliers must be cleaned with a cloth at least 1x a day either during or after the work.
- We would recommend our 8305 MT microfibre cloth

S 8305 ESD
ELECTRONIC PLIERS SET
6 pieces

- Dimensions: L 230 x W 165 x H 55 mm
- With microfibre cloth 8305 MT

Contents Code No.
8305-9 8306-6 8307-3 0,680 1955551 S 8305 ESD
8307-4 8306-1 E-8305 MT
### Electronic side cutters

**Induction-hardened precision cutting edges, 61 - 63 HRC**

#### 8306-1
**ELECTRONIC SIDE CUTTER**

- Oval head, with bevel
- Induction-hardened precision cutting edges, 61 - 63 HRC

**Cutting values:**
- Hard wire: 0.4 mm/AWG 26
- Soft steel: 1.0 mm/AWG 18
- Copper wire: 1.5 mm/AWG 15

<table>
<thead>
<tr>
<th>Code No.</th>
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<th>mm</th>
<th>Code</th>
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#### 8306-2
**MINIATURE ELECTRONIC SIDE CUTTER**

- Short, oval head, with fine bevel
- Induction-hardened precision cutting edges, 61 - 63 HRC

**Cutting values:**
- Soft steel: 0.6 mm/AWG 22
- Copper wire: 1.2 mm/AWG 16

<table>
<thead>
<tr>
<th>Code No.</th>
<th>CL</th>
<th>mm</th>
<th>Code</th>
<th>No.</th>
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#### 8306-4
**ELECTRONIC SIDE CUTTER**

- Oval head, with fine bevel
- Induction-hardened precision cutting edges, 61 - 63 HRC

**Cutting values:**
- Soft steel: 1.0 mm/AWG 18
- Copper wire: 1.5 mm/AWG 15

<table>
<thead>
<tr>
<th>Code No.</th>
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<th>mm</th>
<th>Code</th>
<th>No.</th>
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#### 8306-5
**MINIATURE ELECTRONIC SIDE CUTTER**

- Pointed head, with fine bevel
- Induction-hardened precision cutting edges, 61 - 63 HRC

**Cutting values:**
- Hard wire: 0.4 mm/AWG 26
- Soft steel: 1.0 mm/AWG 18
- Copper wire: 1.2 mm/AWG 16

<table>
<thead>
<tr>
<th>Code No.</th>
<th>CL</th>
<th>mm</th>
<th>Code</th>
<th>No.</th>
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<td>0.079</td>
<td>67273408306-5</td>
<td></td>
</tr>
</tbody>
</table>
8306-6 MINIATURE ELECTRONIC SIDE CUTTER

- Short, head pointed and flattened (relief-milled), with fine bevel
- Induction-hardened precision cutting edges, 61 - 63 HRC

Cutting values:
- Soft steel: 0.6 mm/AWG 22
- Copper wire: 1.0 mm/AWG 18

ESD = electrostatic discharge protection

8306-8 MINIATURE ELECTRONIC SIDE CUTTER

- With wire gripper
- Oval head, with bevel
- Induction-hardened precision cutting edges, 61 - 63 HRC

Cutting values:
- Hard wire: 0.4 mm/AWG 26
- Soft steel: 1.0 mm/AWG 18
- Copper wire: 1.5 mm/AWG 15

ESD = electrostatic discharge protection

8306-7 ELECTRONIC SIDE CUTTER CARBIDE

- Oval head, with bevel
- Tungsten-carbide cutting edges for an extremely long service life
- Hardness 84 - 86 HRA

Cutting values:
- Piano wire: 0.6 mm/AWG 22
- Hard steel: 1.0 mm/AWG 18
- Nickel wire: 1.2 mm/AWG 16

ESD = electrostatic discharge protection

8306-9 ELECTRONIC SIDE CUTTER CARBIDE

- Tungsten-carbide cutting edges for an extremely long service life
- Hardness 84 - 86 HRA
- Pointed, slim head for work in confined spaces
- Without bevel

Cutting values:
- Piano wire: 0.3 mm
- Hard steel: 0.5 mm

ESD = electrostatic discharge protection
PLIERS RANGE

8306-10
ELECTRONIC SIDE CUTTER
CARBIDE

- Oral head, with special bevel, especially suitable for cutting glass fibre and Kevlar®
- Tungsten-carbide cutting edges for an extremely long service life
- Hardness 84 - 86 HRA
- With opening spring
- ESD = electrostatic discharge protection
- Kevlar® is a registered trademark of the company DuPont

<table>
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</table>

Electronic diagonal cutters and end nippers

8308-1
ELECTRONIC MINI DIAGONAL CUTTER

- Pointed head, cutting edges angled 55 °, with fine bevel
- For working in confined spaces
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- Cutting values:
  - Hard steel: 0.4 mm/AWG 26
  - Soft steel: 1.0 mm/AWG 18
  - Copper wire: 1.2 mm/AWG 16

<table>
<thead>
<tr>
<th>CL</th>
<th>mm</th>
<th>Code</th>
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<tr>
<td>12</td>
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8308-3
ELECTRONIC DIAGONAL CUTTER

- Wide head and long cutting faces, with fine bevel
- Cutting edges angled 55 °
- Head ground to a point on one side
- For working in confined spaces
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- Cutting values:
  - Hard steel: 0.4 mm/AWG 26
  - Soft steel: 1.0 mm/AWG 18
  - Copper wire: 1.5 mm/AWG 15
- With opening spring
- ESD = electrostatic discharge protection

<table>
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</table>

8308-4
ELECTRONIC END CUTTING NIPPER

- Wide head and long cutting faces, with fine bevel
- High cutting performance
- Induction-hardened precision cutting edges, hardness 61 - 63 HRC
- Cutting values:
  - Hard steel: 0.4 mm/AWG 26
  - Soft steel: 1.0 mm/AWG 18
  - Copper wire: 1.5 mm/AWG 15
- With opening spring
- ESD = electrostatic discharge protection

<table>
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</table>
Needle nose electronic pliers

**8305-2**
**NEEDLE NOSE ELECTRONIC PLIERS**

- Extra long, half-round jaws, with file-cut surface
- ESD = electrostatic discharge protection

**8307-4**
**NEEDLE NOSE ELECTRONIC PLIERS**

- Slim, narrow, flat-round tapered jaws
- Smooth-ground gripping faces
- With opening spring
- ESD = electrostatic discharge protection

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
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<td>8307-4</td>
<td>145</td>
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</table>

**8305-6**
**FINE NEEDLE NOSE ELECTRONIC PLIERS**

- Extra slim jaws and fine point
- Without file-cut
- ESD = electrostatic discharge protection

**8307-3**
**NEEDLE NOSE ELECTRONIC PLIERS**

- Slim, narrow, flat-round tapered jaws, angled 45°
- Gripping faces with fine file cut
- With opening spring
- ESD = electrostatic discharge protection

**8307-7**
**LONG NOSE ELECTRONIC PLIERS**

- Extra long, flat-round tapered jaws, angled 45°
- For bending and straightening jobs
- Smooth-ground gripping faces
- With opening spring
- ESD = electrostatic discharge protection

<table>
<thead>
<tr>
<th></th>
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<th></th>
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</table>
Special electronic pliers

8305-7
ELECTRONIC DIAGONAL CUTTER

- 30° angled cutting edges, with fine bevel
- With slim head for confined spaces
- Cutting values:
  - Soft steel: 0.6 mm/AWG 22
  - Copper wire: 0.8 mm/AWG 20
- ESD = electrostatic discharge protection

8305-9
FLAT NOSE ELECTRONIC PLIERS

- Straight pattern
- Without file-cut
- ESD = electrostatic discharge protection

<table>
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<tr>
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</table>

8308-6
ROUND NOSE ELECTRONIC PLIERS

- For delicate work in the electronic sector, suitable for Kevlar®
- Long service life
- Tips tapering to Ø 1 mm, without file-cut
- ESD = electrostatic discharge protection
- Kevlar® is a registered trademark of the company DuPont

| JL | Code No. | 135 | 0.078 | 1743651 | 8308-6 |
**Miniature Electronic Pliers**

Made from high-performance hardened and tempered steel

Induction-rehardened cutting edges, 59-61 HRC, faces phosphated

With opening spring

2-component handles with secure-grip hand protection

---

**8350-2**

**MINIATURE ELECTRONIC SIDE CUTTER**

- Sharp, narrow needle-point head
- Cutting edges angled 21°, without bevel

Cutting values:
- Copper wire: max. 0.8 mm / AWG 20

---

**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

---

**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

---

**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

---

**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

---

**8350-8**

**MINIATURE ELECTRONIC SIDE CUTTER**

**Power Line**

- Fabric insert for increased strength
- Wide, needle-point head
- Cutting edges angled 21°, with fine bevel

Cutting values:
- Copper wire: max. 2.0 mm / AWG 12
- Medium-hard wire: max. 1.6 mm / AWG 14
8350-9
MINIATURE ELECTRONIC SIDE CUTTER

> Wide, needle-point head
> With wire-grip spring
> Cutting edges angled 21°, without bevel

Cutting values:
> Copper wire: max. 1.3 mm / AWG 16
> Medium-hard wire: max. 1.0 mm / AWG 18

CL | Width (mm) | Code | No.
---|------------|------|------
10 | 138        | 1829033 | 8350-9

8351-1
MINIATURE ELECTRONIC SIDE CUTTER
Power Line

> Tungsten-carbide technology for heavy continuous use
> Cutting edges angled 21°, with fine bevel, hardness 62 HRC

Cutting values:
> Copper wire: max. 2.0 mm / AWG 12
> Medium-hard wire: max. 1.6 mm / AWG 14
> Piano wire: max. 0.6 mm / AWG 22

CL | Width (mm) | Code | No.
---|------------|------|------
8  | 137        | 1829041 | 8351-1

8352-1
MINIATURE ELECTRONIC NEEDLE NOSE PLIERS

> Short, narrow, smooth jaws
> Surface phosphated

> Long, narrow, smooth jaws

8352-2
MINIATURE ELECTRONIC FLAT NOSE PLIERS

8352-3
MINIATURE ELECTRONIC NEEDLE NOSE PLIERS

> Long, narrow, serrated jaws
> Cutting edges angled 45°

> Multipurpose tool for cutting, stripping and terminal crimping

8353-1
MINIATURE ELECTRONIC WIRE STRIPPING PLIERS

CL | Width (mm) | Code | No.
---|------------|------|------
40 | 175        | 0.126 | 1829092 | 8353-1
8353-2
MINIATURE ELECTRONIC WIRE STRIPPING PLIERS

CL | Width (mm) | Code | No.
---|------------|------|------
35 | 152        | 0.092 | 1829084 | 8352-3

8353-3
MINIATURE ELECTRONIC WIRE STRIPPING PLIERS

CL | Width (mm) | mm² | AWG | Code | No.
---|------------|-----|-----|------|------
30 | 0.25-0.81  | 30-20| 0.126| 1829092 | 8353-1
Accessories

**8353-2**
**INSULATING VARNISH STRIPPER**
- For removing insulating varnish
- Plastic handles
- Strips wires 0.6 mm² / AWG 22

<table>
<thead>
<tr>
<th>Ø (mm²)</th>
<th>mm²</th>
<th>AWG</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0,6</td>
<td>125</td>
<td>22</td>
<td>1828924</td>
<td>8353-2</td>
</tr>
</tbody>
</table>

**8353-3**
**WIRE STRIPPING KNIFE**
- For cable sizes 4-16 mm

<table>
<thead>
<tr>
<th>Ø (mm²)</th>
<th>mm²</th>
<th>AWG</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-16</td>
<td>140</td>
<td>0,087</td>
<td>1828932</td>
<td>8353-3</td>
</tr>
</tbody>
</table>

**8354-1**
**DE-SOLDER TOOL**
- With suction action for removing solder residues when de-soldering electronic components

<table>
<thead>
<tr>
<th>Ø (mm²)</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0,96</td>
<td>1828940</td>
<td>8354-1</td>
</tr>
</tbody>
</table>

**Stripping Tools**

**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

<table>
<thead>
<tr>
<th>Ø (mm²)</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.5-40</td>
<td>0.196</td>
<td>1830856</td>
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</table>

<table>
<thead>
<tr>
<th>Ø (mm²)</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.002</td>
<td>1884719</td>
<td>E-8147</td>
</tr>
</tbody>
</table>
8146
STRIPPING PLIERS
with exchangeable module inserts, self-adjusting

- Self-adjusting cutting and stripping tool (No. 8146) for modern electrical installations and equipment circuitry (90 % of all wires can be stripped without any adjustment of the tool)
- The use of easily exchangeable module inserts allows accurate stripping of a wide range of insulation materials, including PVC and PTFE, with just one tool
- Flat blade included in delivery
- Dimensions: 191 x 123 x 20 mm

Stripping capacity:
- 8146-1 with flat blade: 0.02-10 mm² / AWG 34-8 (for PVC insulation)
- 8146-2 with round blade: 4-16 mm² / AWG 10-5
- 8146-3 with V blade: PTFE 0.1-4 mm² / AWG 28-12 (for all types of insulation)

Cutting values:
- Flexible wires up to 10 mm² / AWG 8
- Rigid wires up to 1.5 mm² / AWG 16

<table>
<thead>
<tr>
<th>Description</th>
<th>mm²</th>
<th>AWG</th>
<th>Code No.</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stripping pliers incl. module insert 8146-1</td>
<td>0.02-10</td>
<td>34-8</td>
<td>1830805 8146</td>
<td></td>
</tr>
<tr>
<td>Module insert with flat blade</td>
<td>0.02-10</td>
<td>34-8</td>
<td>1830813 8146-1</td>
<td></td>
</tr>
<tr>
<td>Module insert with round blade</td>
<td>4-16</td>
<td>10-5</td>
<td>1830821 8146-2</td>
<td></td>
</tr>
<tr>
<td>Module insert with V-blade</td>
<td>0.1-4</td>
<td>28-12</td>
<td>1830848 8146-3</td>
<td></td>
</tr>
</tbody>
</table>

8139
CABLE END-SLEEVE PLIERS

- For the simple pressing of conductor end-sleeves as per DIN 46228
- With a V-block for stripping and cutting soft wire
- In heat-treated steel as per DIN
- TL = chrome-plated, with blue dipped handle protectors

<table>
<thead>
<tr>
<th>Description</th>
<th>mm²</th>
<th>Code No.</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stripping capacity</td>
<td>0.25-2.5</td>
<td>6723510 8139-155 TC</td>
<td></td>
</tr>
<tr>
<td>Insulation thickness:</td>
<td>0.002</td>
<td>1884727 E-8148</td>
<td></td>
</tr>
<tr>
<td>Dimensions:</td>
<td>ø 2.5-11</td>
<td>1830864 8148</td>
<td></td>
</tr>
</tbody>
</table>

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
**8141**
**PRECISION CRIMP WRENCH**
for conductor end-sleeves

- Flexible and lightweight
- For right and left-handers
- Positive locking to ensure crimping completion
- Releasing mechanism to remove incorrect crimping and blockades
- Precision eccentric setting for constant crimp quality and calibrating function

**Field of application:**
- Self-adjusting from 0.5 to 6 mm² / AWG 22- AWG 10

<table>
<thead>
<tr>
<th>Code No.</th>
<th>mm²</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0,5-6</td>
<td>197</td>
<td>1830759</td>
<td>8141</td>
</tr>
</tbody>
</table>

**8142**
**PRECISION CRIMP WRENCH**
for insulated terminals

- Unique mechanism ensures a marked reduction of hand force as against other crimping tools
- Flexible and lightweight
- For right and left-handers
- Positive locking to ensure crimping completion
- Releasing mechanism to remove incorrect crimping and blockades
- Precision eccentric setting for constant crimp quality and calibrating function

**Field of application:**
- 1: 0.5-1.0 mm² / 20-18 AWG
- 2: 1.5-2.5 mm² / 16-14 AWG
- 3: 4.0-6.0 mm² / 12-10 AWG

<table>
<thead>
<tr>
<th>Code No.</th>
<th>mm²</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0,5-6</td>
<td>255</td>
<td>1830767</td>
<td>8142</td>
</tr>
</tbody>
</table>

**8152 - 8153**
**CRIMP WRENCH**
for big terminals

- Ratchet mechanism developed for uniform, reliable crimping of non-insulated crimp lug terminals to conductors and to secure completed crimping cycles and positive locking
- Asymmetrical 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

<table>
<thead>
<tr>
<th>Code No.</th>
<th>mm²</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-25</td>
<td>12-3</td>
<td>0.650</td>
<td>2010313</td>
</tr>
<tr>
<td>10-75</td>
<td>7-2/0</td>
<td>2.800</td>
<td>2010321</td>
</tr>
</tbody>
</table>
## Crimping Pliers

### 8155
**CRIMP WRENCH**
for insulated connector

- For red, blue and yellow insulated connectors, such as cable terminals, pin cable terminals, flat plugs, flat sockets, round plugs, round sockets, push connectors and parallel connectors
- Easy to handle
- Releasable positive locking
- Kind-to-hands formed handles
- GEDORE special steel, gun-metal finish

**Field of application:**
- 1: 0.5-1.0 mm² / 20-18 AWG
- 2: 1.5-2.5 mm² / 16-14 AWG
- 3: 4.0-6.0 mm² / 12-10 AWG

<table>
<thead>
<tr>
<th>mm²</th>
<th>AWG</th>
<th>L</th>
<th>W</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0,5-6</td>
<td>20-10</td>
<td>220</td>
<td>80</td>
<td>0.400</td>
<td>2836823</td>
</tr>
</tbody>
</table>

### 8156
**CRIMP WRENCH**
for non-insulated contacts

- For non-insulated contacts with open crimping sleeve, such as flat plugs F 2.8; F4.8; F6.3 and F 9.5
- Easy to handle
- Releasable positive locking
- Kind-to-hands formed handles
- GEDORE special steel, gun-metal finish

**Field of application:**
- 1: 0.25-0.5 mm² / 24-20 AWG
- 2: 0.5-1.0 mm² / 20-18 AWG
- 3: 4.0-6.0 mm² / 12-10 AWG
- 4: 1.5-2.5 mm² / 16-14 AWG

<table>
<thead>
<tr>
<th>mm²</th>
<th>AWG</th>
<th>L</th>
<th>W</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0,25-6</td>
<td>24-10</td>
<td>220</td>
<td>80</td>
<td>0.510</td>
<td>2836831</td>
</tr>
</tbody>
</table>

### 8157
**CRIMP WRENCH**
for cable lugs

- For non-insulated contacts with closed crimping sleeve (W pressing) up to 16 mm² /
  AWG 6 and tubular cable lugs up to 10 mm² / AWG 6
- Easy to handle
- Releasable positive locking
- Kind-to-hands formed handles
- GEDORE special steel, gun-metal finish

**Field of application:**
- 1: 0.1-0.35 mm² / 26-22 AWG
- 2: 0.5-1.0 mm² / 20-18 AWG
- 3: 1.5-2.5 mm² / 16-14 AWG
- 4: 4.0-6.0 mm² / 12-10 AWG
- 5: 10.0-16.00 mm² / 8-6 AWG

<table>
<thead>
<tr>
<th>mm²</th>
<th>AWG</th>
<th>L</th>
<th>W</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0,1-16</td>
<td>26-6</td>
<td>220</td>
<td>80</td>
<td>0.470</td>
<td>2836858</td>
</tr>
</tbody>
</table>
Crimp Wrench modular

**ADVANTAGES:**

- Reliable: parallel action ensures precision crimping
- Easy to handle: components kept in view throughout the crimping process, easily accessible release function allows quick change of insert modules without the use of additional tools
- Comfortable: lightweight, plastic-sheathed tool frame for comfort grip - even at low temperatures
- Practical: insert modules, easy to change and clearly labelled, supplied in pairs on an pin in a storage box to prevent loss (storage boxes interconnect - like in a jigsaw puzzle)
- Versatile and economical: just one tool base frame can be used with all the various insert modules to carry out a wide range of crimping processes, including heavy plug and socket connectors, coaxial connectors, optic fibres and RJ45 plugs.

**CHANGING OF THE CRIMPING INSERTS**

- By pressing the release of the crimping insert you can easily remove the crimping insert.
- Remove the crimping insert and put in the required crimping insert while pressing down the release.

**8140 MODULAR CRIMP WRENCH**

- Professional ratchet crimping pliers for most types of mechanical, electrical and electronic connectors
- Just one tool base frame (No. 8140) can be used with all insert modules
- Dimensions: L 234 x H 64 x W 24 mm
- Module inserts changeable without tools

<table>
<thead>
<tr>
<th>Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1830546</td>
<td>8140</td>
</tr>
</tbody>
</table>
**PLIERS RANGE**

**8140-01/-02**

**MODULE INSERT**

for insulated terminals

<table>
<thead>
<tr>
<th>mm²</th>
<th>AWG</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.004-0.04 + 0.04-0.06</td>
<td>24-20</td>
<td>1830544</td>
<td>8140-01</td>
</tr>
<tr>
<td>0.04-0.08 + 0.08-0.1</td>
<td>18-14</td>
<td>1830544</td>
<td>8140-02</td>
</tr>
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</table>

**8140-03/-04/-05**

**MODULE INSERT**

for non-insulated terminals

<table>
<thead>
<tr>
<th>mm²</th>
<th>AWG</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.004-0.04 + 0.04-0.06</td>
<td>24-20</td>
<td>1830544</td>
<td>8140-03</td>
</tr>
<tr>
<td>0.04-0.08 + 0.08-0.1</td>
<td>18-14</td>
<td>1830544</td>
<td>8140-04</td>
</tr>
<tr>
<td>0.004-0.04 + 0.04-0.06</td>
<td>24-20</td>
<td>1830544</td>
<td>8140-05</td>
</tr>
</tbody>
</table>

**8140-06/-07/-08**

**MODULE INSERT**

for conductor end-sleeves

<table>
<thead>
<tr>
<th>mm²</th>
<th>AWG</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.004-0.04 + 0.04-0.06</td>
<td>24-20</td>
<td>1830544</td>
<td>8140-06</td>
</tr>
<tr>
<td>0.04-0.08 + 0.08-0.1</td>
<td>18-14</td>
<td>1830544</td>
<td>8140-07</td>
</tr>
<tr>
<td>0.004-0.04 + 0.04-0.06</td>
<td>24-20</td>
<td>1830544</td>
<td>8140-08</td>
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</table>

**8140-09/-10/-11**

**MODULE INSERT**

for flat plugs

<table>
<thead>
<tr>
<th>Connector type</th>
<th>mm²</th>
<th>AWG</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.3</td>
<td>0.5-6</td>
<td>22-10</td>
<td>0.080</td>
<td>1830651</td>
</tr>
<tr>
<td>4.8</td>
<td>0.5-2.5</td>
<td>22-14</td>
<td>0.056</td>
<td>1830643</td>
</tr>
<tr>
<td>2.8</td>
<td>0.1-1</td>
<td>26-18</td>
<td>0.072</td>
<td>1830635</td>
</tr>
<tr>
<td>1.6</td>
<td>0.1-1</td>
<td>26-18</td>
<td>0.072</td>
<td>1830635</td>
</tr>
<tr>
<td>1.2</td>
<td>0.1-1</td>
<td>26-18</td>
<td>0.072</td>
<td>1830635</td>
</tr>
</tbody>
</table>
### 8140-12
**Module Insert**
for optical waveguides

<table>
<thead>
<tr>
<th>Ø (mm)</th>
<th>Code</th>
<th>No.</th>
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<tbody>
<tr>
<td>4.52</td>
<td>5.41</td>
<td>3.84</td>
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</table>

### 8140-14
**Module Insert**
for coax cables

<table>
<thead>
<tr>
<th>Connector type</th>
<th>Ø (mm)</th>
<th>Code</th>
<th>No.</th>
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</thead>
<tbody>
<tr>
<td>RG 58, 59, 62, 71</td>
<td>1.69</td>
<td>5.41</td>
<td>6.48</td>
</tr>
</tbody>
</table>

### 8140-16/-17
**Module Insert**
for modular plugs

#### 8140-16

- Connector type
- Code: 0.050
- No.: 1830716

#### 8140-17

- Connector type
- Code: 0.048
- No.: 1830724

### 8140-18
**Module Insert**
for heavy connectors

<table>
<thead>
<tr>
<th>mm²</th>
<th>AWG</th>
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<th>No.</th>
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</thead>
<tbody>
<tr>
<td>0.14-4</td>
<td>26-12</td>
<td>0.056</td>
<td>1830732</td>
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</table>

### 8140-20
**Module Insert**
for lamellar contacts

- With seals 0.5 - 3.0 mm²

<table>
<thead>
<tr>
<th>mm²</th>
<th>AWG</th>
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<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5-3.0</td>
<td>20-12</td>
<td>0.056</td>
<td>1963384</td>
</tr>
</tbody>
</table>

### 8140-21/-22
**Module Insert**
for Dura Seal contacts

- Suitable for Tyco Solarlok®: 2.5 - 4 - 6 mm²

<table>
<thead>
<tr>
<th>mm²</th>
<th>AWG</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 - 1.5 / 1.5 - 2.5</td>
<td>22 - 16 / 16 - 14</td>
<td>0.080</td>
<td>1963392</td>
</tr>
<tr>
<td>0.32 - 0.75 / 4 - 6</td>
<td>22 - 18 / 12 - 10</td>
<td>0.080</td>
<td>1963406</td>
</tr>
</tbody>
</table>

### 8140-23
**Module Insert**
for Solarlok®

- Suitable for Tyco Solarlok®: 2.5 - 4 - 6 mm²

<table>
<thead>
<tr>
<th>mm²</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5 - 4 - 6</td>
<td>0.086</td>
<td>2078082</td>
</tr>
</tbody>
</table>

### 8140-24/-25
**Module Insert**
for Multi Contact

- Suitable for Multi Contact MC 3 / MC 4: 2.5 - 4 - 6 mm²

<table>
<thead>
<tr>
<th>Connector type</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi Contact MC 3</td>
<td>0.056</td>
<td>2078090</td>
</tr>
<tr>
<td>Multi Contact MC 4</td>
<td>0.700</td>
<td>2078104</td>
</tr>
</tbody>
</table>
Crimp Wrench Sets

**S 8140 A**  
CRIMPING PLIERS SET  
AUTOMOTIVE  
4 pieces

- Practical set made up for specific requirements in automotive engineering
- Ideal for high-standard crimping
- Can be individually upgraded by purchasing additional module inserts
- Module inserts changeable without tools
- In practical blister packaging

**Contents**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>8140-05</td>
<td>0.754</td>
<td>S 8140 A</td>
</tr>
<tr>
<td>8140-09</td>
<td>0.754</td>
<td>S 8140 A</td>
</tr>
<tr>
<td>8140-11</td>
<td>0.754</td>
<td>S 8140 A</td>
</tr>
</tbody>
</table>

**S 8140 D**  
CRIMPING PLIERS SET  
DATA COM  
4 pieces

- Practical set made up for specific requirements in data-communications installations
- Ideal for high-standard crimping
- Can be individually upgraded by purchasing additional module inserts
- Module inserts changeable without tools
- In practical blister packaging

**Contents**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>8140-14</td>
<td>0.711</td>
<td>S 8140 D</td>
</tr>
<tr>
<td>8140-16</td>
<td>0.711</td>
<td>S 8140 D</td>
</tr>
<tr>
<td>8140-17</td>
<td>0.711</td>
<td>S 8140 D</td>
</tr>
</tbody>
</table>

**S 8140 E**  
CRIMPING PLIERS SET  
ELECTRONIC  
4 pieces

- Practical set made up for specific requirements for electricians
- Ideal for high-standard crimping
- Can be individually upgraded by purchasing additional module inserts
- Module inserts changeable without tools
- In practical blister packaging

**Contents**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8140-01</td>
<td>0.760</td>
<td>S 8140 E</td>
</tr>
<tr>
<td>8140-02</td>
<td>0.760</td>
<td>S 8140 E</td>
</tr>
<tr>
<td>8140-05</td>
<td>0.760</td>
<td>S 8140 E</td>
</tr>
</tbody>
</table>

**S 8140 J**  
CRIMPING PLIERS SET  
INDUSTRIAL  
4 pieces

- Practical set made up for specific requirements in industrial maintenance
- Ideal for high-standard crimping
- Can be individually upgraded by purchasing additional module inserts
- Module inserts changeable without tools
- In practical blister packaging

**Contents**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8140-02</td>
<td>0.752</td>
<td>S 8140 J</td>
</tr>
<tr>
<td>8140-06</td>
<td>0.752</td>
<td>S 8140 J</td>
</tr>
<tr>
<td>8140-18</td>
<td>0.752</td>
<td>S 8140 J</td>
</tr>
</tbody>
</table>
S 8140 PN
CRIMPING PLIERS SET STARTER
in plastic case

> Without module inserts for individual composition
> In practical plastic case

---

Contents | Code | No.
--- | --- | ---
8140 | 1.589 | 1963279
S 8140 PN

---

RZB1-18CR
PLIERS SET
2 pieces + accessories

> In rugged plastic case

---

Contents | Code | No.
--- | --- | ---
8141 | 1.480 | 1895249
8146
End-sleeves
0.50 0.75 1.00 1.50
2.50 4.00 6.00
RZB1-18CR
Circlip pliers for external retaining rings (shafts)

8000 AE

- Flattened tip mounting makes it easier to get at the safety ring eyelets
- Secure tip thanks to keyed press-fixing in the pliers head
- With no retaining groove in the tips, the safety ring cannot be inadvertently bent and it remains absolutely flat. In addition no weakening of the tips from a retaining groove (notching-induced rated breaking point).
- Wear-resistant and accurate! - The hardened and specially inserted tip is of high-grade roller bearing steel and absolutely cylindrical.
- A secure internal spring makes work easier with circlip pliers

TIP

This thus lessens safety ring twisting!

- Always ensure that the fitting side is the right one when installing safety rings.
- The safety ring "eyelets" are stamped and thus they are slightly conical.
- To stop any ring twisting, the narrower side of the eyelets* should rest on the pliers.

* The bevel-free side is also the narrower side of the eyelets.

8000 AE 0 - AE 4
CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS
Form A

- For safety rings as per DIN 471, DIN 983
- DIN 5254 Form A
- Straight jaws
- Inside-positioned opening spring
- Pliers basic body in GEDORE chrome-vanadium special steel
- Pressed-in tips of highly wear-resistant roller bearing steel
- Twisting-impeding tip geometry
- Screwed joint connection
- Steel-grey with red-dipped anti-slip handles

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</table>
8000 AE 01 - AE 41

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

Form B

> For safety rings as per DIN 471, DIN 983
> DIN 5254 Form B
> 90° angled tips
> Inside-positioned opening spring
> Pliers basic body in GEDORE chrome-vanadium special steel
> Pressed-in tips of highly wear-resistant roller bearing steel
> Twisting-impeding tip geometry
> Screwed joint connection
> Steel-grey with red-dipped anti-slip handles

Code No. 3-10 5/32-3/8 133 27 0.9 0.090 2930692 8000 AE 01
10-25 3/8-1 133 27 1.3 0.095 2910706 8000 AE 11
19-60 3/4-2.3/8 170 44 1.8 0.180 2910714 8000 AE 21
40-100 1.5/8-4 217 54 2.3 0.310 2910730 8000 AE 31
85-140 3.3/8-5.1/2 311 74 3.2 0.590 2930749 8000 AE 41

8000 A 0G - A 2G

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

> For shafts without groove
> For retaining rings Seeger as well as Benzing
> Similar to DIN 5254 Form A
> A 0G - A 1G = tips angled 30°
> A 2G = straight tips
> With opening spring and adjusting screw to limit opening
> High degree of assembly reliability, the limit opening rules out any over-tensioning of the smallest of retaining rings
> Forged GEDORE chrome-vanadium special hardened and tempered steel
> Precision machined, oil hardened and annealed
> Black, with red dipped handles

Code No. 1.5-3.5 1.5-3.5 140 40 0.7 0.099 6700140 8000 A 0G
4.0-9.0 3.0-11,0 140 40 1.1 0.098 6700270 8000 A 1G
10.0-15,0 12,0-16,0 182 57 1.8 0.189 6700300 8000 A 2G

8000 A 01G - A 21G

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

> For shafts without groove
> For retaining rings Seeger as well as Benzing
> Similar to DIN 5254 Form B
> 90° angled tips
> With opening spring and adjusting screw to limit opening
> High degree of assembly reliability, the limit opening rules out any over-tensioning of the smallest of retaining rings
> Forged GEDORE chrome-vanadium special hardened and tempered steel
> Precision machined, oil hardened and annealed
> Black, with red dipped handles

Code No. 1.5-3.5 1.5-3.5 134 33 0.7 0.100 6700650 8000 A 01G
4.0-9.0 3.0-11,0 134 33 1.1 0.099 6700730 8000 A 11G
10.0-15,0 12,0-16,0 170 45 1.8 0.184 6700810 8000 A 21G

8000 A 0 - A 4

CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

Form A

> For retaining rings as per DIN 471, DIN 983
> DIN 5254 Form A
> Straight tips
> With opening spring
> With clamping protection
> Forged GEDORE chrome-vanadium special hardened and tempered steel
> Precision machined, oil hardened and annealed
> Black, with red dipped handles

Code No. 3-10 5/32-3/8 141 40.0 0.9 0.096 6701380 8000 A 0
10-25 3/8-1 141 40.0 1.3 0.098 6701460 8000 A 1
19-60 3/4-2.3/8 182 54.0 1.8 0.186 6701540 8000 A 2
40-100 1.5/8-4 230 69.0 2.3 0.310 6701620 8000 A 3
85-140 3.3/8-5.1/2 320 65.5 3.2 0.355 6701700 8000 A 4
### Pliers Range

#### 8000 A 01 - A 41

**Circlip Pliers for External Retaining Rings**

**Form B**

- For retaining rings as per DIN 471, DIN 983
- DIN 5254 Form B
- 90° angled tips
- With opening spring
- With clamping protection
- Forg'd GEORGE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with red dipped handles

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#### 8000 A 02 - A 42

**Circlip Pliers for External Retaining Rings**

- Similar to DIN 5254 Form B
- 45° angled tips
- With opening spring
- With clamping protection
- Forg'd GEORGE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with red dipped handles

<table>
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<tr>
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#### 8000 A 04 - A 6

**Circlip Pliers for External Retaining Rings**

- Straight tips
- Black, tips and lock lever zinc-plated
- The toothed bracket stops the pliers legs from straddling beyond the permitted working area
- This ensures safe working even in hidden fitting positions
- Locking pin can be replaced
- Non-crush type release-lever with handle recesses, red dip-insulated
- Precision machined, oil hardened and annealed
- E-8000 A = pair of spare tips

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#### 8000 A 41 - A 61

**Circlip Pliers for External Retaining Rings**

- 90° angled tips
- Tips and lock lever zinc-plated
- Lever handle-end red dip-insulated
- Finger protection
- Reinforced safety arms
- Precision machined, oil hardened and annealed
- E-8000 A = pair of spare tips

<table>
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### 8000 JE 0 - JE 4
#### CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

**Form C**
- For safety rings as per DIN 472, DIN 984
- DIN 5256 Form C
- Straight jaws
- Pliers basic body in GEDORE chrome-vanadium special steel
- Pressed-in tips of highly wear-resistant roller bearing steel
- Twisting-impeding tip geometry
- Screwed joint connection
- Steel-grey with blue-dipped anti-slip handles

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Code</th>
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### 8000 J 0 - J 4
#### CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

**Form C**
- For retaining rings as per DIN 472, DIN 984
- DIN 5256 Form C
- Straight tips
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with blue dipped handles

<table>
<thead>
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<th>Code No.</th>
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### 8000 JE 01 - JE 41
#### CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

**Form D**
- For safety rings as per DIN 472, DIN 984
- DIN 5256 Form D
- 90° angled jaws
- Pliers basic body in GEDORE chrome-vanadium special steel
- Pressed-in tips of highly wear-resistant roller bearing steel
- Twisting-impeding tip geometry
- Screwed joint connection
- Steel-grey with blue-dipped anti-slip handles

<table>
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### 8000 J 01 - J 41
#### CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

**Form D**
- For retaining rings as per DIN 472, DIN 984
- DIN 5256 Form D
- 90° angled tips
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with blue dipped handles

<table>
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<th>Code No.</th>
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8000 J 02 - J 42
CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

- Similar to DIN 5256 Form D
- 45° angled tips
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with blue dipped handles

<table>
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8000 J 4 - J 6 CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

- Straight tips
- Black, tips and lock lever zinc-plated
- The toothed bracket stops the pliers legs from straddling beyond the permitted working area
- This ensures safe working even in hidden fitting positions

3.2/3.5/4.5 mm tip diameters available for 85 to 400 mm rings. Models for internal and external retaining rings

Release lever for controlled slackening of the tension

Ratching mechanism for easing the work of the user when fitting the retaining rings

8000 J 4 - J 6 CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

- 90° angled tips
- Black, tips and lock lever zinc-plated
- Lever handle-end blue dip-insulated
- Finger protection

<table>
<thead>
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<th>Code No.</th>
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8000 J 41 - J 61 CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

- 90° angled tips
- Black, tips and lock lever zinc-plated
- Lever handle-end blue dip-insulated
- Finger protection

- Reinforced safety arms
- Precision machined, oil hardened and annealed
- E-8000 J = pair of spare tips

<table>
<thead>
<tr>
<th>Code No.</th>
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8000 J 4 - J 6 CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

- Similar to DIN 5256 Form D
- 45° angled tips
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with blue dipped handles

<table>
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8000 J 4 - J 6 CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

- Similar to DIN 5256 Form D
- 45° angled tips
- Forged GEDORE chrome-vanadium special hardened and tempered steel
- Precision machined, oil hardened and annealed
- Black, with blue dipped handles

<table>
<thead>
<tr>
<th>Code No.</th>
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<tr>
<td>122-300</td>
<td>4.13/16-11.7/8</td>
<td>3.5</td>
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<tr>
<td>252-400</td>
<td>9.15/16-15.13/16</td>
<td>4.5</td>
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</table>

8000 J 4 - J 6 CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

- Similar to DIN 5256 Form D
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<td>9.15/16-15.13/16</td>
<td>4.5</td>
<td>579</td>
</tr>
</tbody>
</table>
Circlip pliers for retaining rings (parallel)

8005 A PLIERS FOR EXTERNAL RETAINING RINGS

- For shafts
- Supplied with four different clamping tips

For holes from 4.5 to 5.9 mm and rings from 305 to 500 mm

Paralleled jaws for the greatest possible safety and torsion-free clamping

The circlip is securely clamped before removal by choosing a suitable distance between the clamping tips. This means that unnecessary plier movement is avoided, and the circlip may be opened completely. The special parallel movement of the clamping tips and their recesses in the direction of the pressure applied ensure that the circlip will be clamped firmly.

Release lever for controlled slackening of the tension

Ratcheting mechanism for easing the work of the user when clamping the retaining rings

8005 A CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

E-8005 A SPARE TIPS

for external retaining rings (per piece)

Selection aid:
- The spacing of holes for non-tensioned circlips is normally between 20 mm and 50 mm
- The tips used to spread the rings are fitted to match the opening width of the non-tensioned circlip
- Opening widths 18-28 mm:
  Combination tips E-8005 1 A and E-8005 2 A
- Opening widths 29-39 mm:
  Combination tips E-8005 1 A and E-8005 4 A
- Opening widths 40-50 mm:
  Combination tips E-8005 3 A and E-8005 4 A

E-8005 J SPARE TIPS

for internal retaining rings (per piece)

Selection aid:
- The spacing of holes for non-tensioned circlips is normally between 80 mm and 140 mm
- The tips used to spread the rings are fitted to match the opening width of the non-tensioned circlip
- Opening widths 140-125 mm:
  Combination tips E-8005 1 J and E-8005 2 J
- Opening widths 125-110 mm:
  Combination tips E-8005 1 J and E-8005 4 J
- Opening widths 110-95 mm:
  Combination tips E-8005 2 J and E-8005 4 J
- Opening widths 95-80 mm:
  Combination tips E-8005 3 J and E-8005 4 J

8005 J CIRCLIP PLIERS FOR INTERNAL RETAINING RINGS

- For bores
- Supplied with six different clamping tips
- The circlip is securely clamped before removal by choosing a suitable distance between the clamping tips. This means that unnecessary plier movement is avoided, and the circlip may be opened completely. The special parallel movement of the clamping tips and their recesses in the direction of the pressure applied ensure that the circlip will be clamped firmly.
Circlip pliers X-GRIP

8006 X-GRIP

**Particularly versatile:**
- 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

8006
**X-GRIP CIRCLIP PLIERS**

<table>
<thead>
<tr>
<th>mm</th>
<th>1mm</th>
<th>2mm</th>
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<td>4.5</td>
<td>5.9</td>
<td>3.040</td>
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</table>

S 8006
**X-GRIP CIRCLIP PLIERS SET**

- Universal circlip pliers for risk-free gripping and fitting of internal and external circlips (DIN 471/472) from 252 to 1000 mm diameter
- Plier with adaptor, basic body - no. 1/2 + tip Ø 5.9 mm and no. 3/4 + tip Ø 4.5 mm

Special tools for changing tips and adaptors:
- Single open ended spanner no. 894 10 = 894 15
- Hexagon socket key no. 42 2 mm
- 4 Spare threaded pins M4x4
- Ratchet no. 3093 Z-94 (for quick adjustment)
- Plastic box E-1000 P
- Rugged sheet steel case with foam insert

E-8006
**X-GRIP PARTS**

<table>
<thead>
<tr>
<th>Description</th>
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<tbody>
<tr>
<td>Basic body no. 1 with spare tip 5.9 mm Ø</td>
<td>0.080</td>
<td>1575333</td>
</tr>
<tr>
<td>Basic body no. 2 with spare tip 5.9 mm Ø</td>
<td>0.080</td>
<td>1575341</td>
</tr>
<tr>
<td>Basic body no. 3 with spare tip 4.5 mm Ø</td>
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<tr>
<td>Basic body no. 4 with spare tip 4.5 mm Ø</td>
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<td>1896253</td>
</tr>
<tr>
<td>Spare tip 4.5 mm Ø</td>
<td>0.005</td>
<td>1896369</td>
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<tr>
<td>Spare tip 5.9 mm Ø</td>
<td>0.005</td>
<td>1896350</td>
</tr>
<tr>
<td>Spindle with spindle bearing, 265 mm long</td>
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</table>

Code 7.3 1896237 8006
THE TOGGLE LEVER - A GIANT AMONG THE JOINTS

- Similar in construction to the human leg and consisting of hip, knee and ankle joints
- The knee joint's intelligent power management is its unbeatable advantage:
- Clever utilization of the physical lever laws *)
- Rapid and powerful even with a reduced operating force
- Ideal for optimum pressure and clamping operations

- Maximum pressing/clamping force with knee lever extended – even with automatic locking effect i.e. self-clamping effect (e.g. with grip pliers) relieved by operating the releasing lever
- Constant high quality of work

Self-clamping effect – can only be cancelled by operating the releasing lever!

*) Considerable paths are rapidly bridged involving little hand power. Just before “stretching”, a short path is covered with an exceptional lever force. That is why it is used everywhere where considerable paths need to be initially covered without any noticeable force used and where the real “work” needs to be done over the last few millimetres. This is the case, for instance, with bolt cutters and crimping/grip pliers.

137
GRIP WRENCH

- With adjusting screw and release lever, model 137 10 with blue dip-insulated lever
- Forged, tempered jaws and special jaw shape for secure gripping, clamping and holding
- GEDORE vanadium steel 31CrV3, nickel-plated
- Jaw body in high-tensile sheet steel
- Automatically welded upper jaw - absolutely firm connection with the sheet steel body

- Well-conceived jaw design guarantees a three-point contact with all material cross-sections
- Threaded bore welded at bottom
- No widening under most extreme loading
- Safe release
- Release lever under constant pressure of special spring

<table>
<thead>
<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>6406620</td>
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<td>6406700</td>
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<tr>
<td>6407270</td>
<td>137 11</td>
</tr>
<tr>
<td>6406890</td>
<td>137 12</td>
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</table>
137 GRIP WRENCH

The difference comes from the special profile and shape.

- Positive fit joint to the screw/nut is down to the special design of the plier jaw.

GEDORE
- Off-centre hexagonal division
- Positive fit

COMPETING COMPANY
- Centre hexagonal division
- Force locking

* Positive fit joints are not suddenly released. They need, in fact, to change their geometric form; a visible change in form quasi announces their failure.

A GEDORE SAFETY "EXTRA"

137 GRIP WRENCH

- For working in confined spaces
- For worn bolted connections which otherwise could only be opened with extreme difficulty
- Problem-solver for vehicles and industrial purposes
- Particularly suitable for brake lines, adjustment of track rods, etc.
139
SPECIAL GRIP WRENCH

- With movable lower jaw for clamping over a large area
- Release lever blue dip-insulated
- Nickel-plated

<table>
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<tbody>
<tr>
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</table>

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

<table>
<thead>
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<tr>
<td>1954113</td>
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<tr>
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<td>137 KR-10</td>
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</table>

137 P
PARALLEL JAW GRIP WRENCH

- With parallel jaws
- Opening: 50 mm
- With adjustment screw
- Release lever under constant pressure of special spring
- Body from sheet steel
- Nickel-plated

<table>
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<tbody>
<tr>
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<td>137 P</td>
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</table>

137 MSP
MACHINE WORKBENCH CLAMP

- For fast, secure clamping of a variety of workpieces
- Suitable for tenon blocks threaded M8, M10 or M12
- GEDORE special vanadium steel, nickel-plated
- Release lever blue dip-insulated
- Tenon block not included

<table>
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136 BM
WIDE JAW GRIP WRENCH

- For clamping edges and surfaces
- 80 mm jaw width
- Nickel-plated

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<tr>
<td>6406010</td>
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</table>

137 T
GRIP WRENCH FOR GLUEING

- For clamping lengthwise or corner joints of extremely long bases and surrounds, lintels, banisters and frames, arched windows, worktops, corner benches, etc.
- Release lever blue dip-insulated
- Nickel-plated
- The workpieces to be glued are placed together, with the grip open, the drill holes for the clamping pins are marked, and 9 - 10 mm Ø holes drilled. Glue is applied, the wrench pushed into the holes, the pieces aligned and the clamping lever closed - the work is finished

<table>
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<tr>
<td>6403600</td>
<td>137 T</td>
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PLIERS RANGE

138
WELDER’S GRIP WRENCH

For clamping strips and profile sections when welding
Cast steel jaws
Nickel-plated
Release lever blue dip-insulated

<table>
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<tr>
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138 X
WELDER’S GRIP WRENCH FOR TUBES

For clamping tubes and round stock when welding
Cast steel jaws
Nickel-plated
Release lever blue dip-insulated

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138 Y
PROFILE-SECTION GRIP WRENCH

For clamping bulky profile and angle sections
GEDORE special chrome-vanadium steel, nickel-plated
Strong forged jaws
Release lever blue dip-insulated

<table>
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138 Z
PROFILE-SECTION GRIP WRENCH

For clamping extremely bulky profile sections
Jaws made from forged and welded GEDORE special chrome-vanadium steel
Particularly great clamping depth
Nickel-plated
Release lever blue dip-insulated

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<tr>
<td>16</td>
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136 K
CHAIN GRIP WRENCH

Particularly suited for clamping geometrically problematical cross-sections
With No. 136 K-105 the legs of various pullers - following locking - can be spanned with the chain at the component to be extracted and tightened. This stops the legs bending outwards and slipping. Pulling is still possible even if the legs have a very restricted contact surface

<table>
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max Ø
GEDORE PIPE WRENCHES
TOP QUALITY TO MEET MAXIMUM REQUIREMENTS

› Use of the most up-to-date machinery and environmentally-friendly production processes
› Everything is based on tightly controlled and selected materials
› Experienced and reliable specialists vouch for precision-like processing
› Stringent quality checks after each production step ensure a constantly high level
› High-grade industrial quality for the toughest forms of continuous use and safety in everyday work

Everything handled down to a tee
The absence of Chrome 6 in the tools is simply a matter of course for us and has been so for many years. Best-possible results are down to the unique manufacturing processes and special treatment for tools

Pipe wrenches subject to full hardening/tempering
All GEDORE Swedish pipe wrenches are hardened and tempered across their entire length and cross-section.

Serrated face flame-hardening
All GEDORE Swedish pipe wrenches are additionally flame-hardened at the teeth by a hardness unit developed by our Special Machinery Construction section. A uniform distribution of temperature across the entire jaw surface ensures a stress-relieved additional hardening of the surface of the teeth. The DIN specified hardness values are surpassed with ease by GEDORE pipe wrenches. The grip holds up for years even under the rough and tough daily routine.

Round thread with undetachable adjusting nut
A non-detachable adjusting nut with round thread ensures a width adjustment. A round thread stands up better than other thread types to mechanical damage and soiling. It allows the adjusting nut on the pliers shaft to run rapidly, evenly and precisely.

Self-clamping serrated face
The self-clamping serrated face grips reliably and firmly and this is intensified as the turning resistance is increase. There is no need to press the handles together. GEDORE Swedish pipe wrenches have that non-slip grip – even on smooth pipes.
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®

(2) Force is always applied by snap® simultaneously at three points, ensuring a secure grip with low hand pressure

(3) Hook and leg made from drop-forged GEDORE special chrome-vanadium steel, hardened and tempered

(4) Stove enamelling guarantees long-life protection

(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

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

100 PIPE WRENCH ECK-SCHWEDE-SNAP®

- Acc. to DIN 5234, Form C
- Heavy-duty pipe wrench with three-point grip
- For working in confined spaces
- GEDORE special chrome-vanadium steel
- Drop forged
- Tempered, teeth additionally hardened
- Self-gripping by teeth offset against direction of rotation
- Roller secured against loss
- Stove enamelled blue, head ground

<table>
<thead>
<tr>
<th>Size</th>
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<th>Code</th>
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<td>110</td>
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175
PIPE WRENCH
Swedish pattern

- Acc. to DIN 5234 Form A
- Especially sturdy type for heavy use
- Head angled 85°
- GEDORE special chrome-vanadium steel
- Drop forged
- Tempered, teeth additionally hardened

Self-gripping by teeth offset against direction of rotation
Roller secured against loss
Stove enamelled blue

Size  | mm (C) | L  | Code No.  
--- | --- | --- | --- 
3/4  | 38  | 280  | 6437260  | 175 3/4 
1  | 44  | 320  | 6437340  | 175 1 
1.1/2 | 62  | 430  | 6437420  | 175 1.1/2 
2  | 76  | 580  | 6437500  | 175 2 
3  | 105 | 670  | 3.780  | 6437690  | 175 3 
4  | 130 | 760  | 5.635  | 6437770  | 175 4 

176
ELBOW PIPE WRENCH
ECK-SCHWEDER®

- Acc. to DIN 5234 Form B
- For working in confined spaces
- Narrow head, multi-grip jaw pattern, angled 52°
- GEDORE special chrome-vanadium steel
- Drop forged
- Tempered, teeth additionally hardened
- Self-gripping by teeth offset against direction of rotation
- Roller secured against loss
- Stove enamelled blue

Size  | mm (C) | L  | Code No.  
--- | --- | --- | --- 
3/4  | 38  | 280  | 0.445  | 6438070  | 176 3/4 
1  | 44  | 320  | 0.775  | 6438150  | 176 1 
1.1/2 | 62  | 430  | 1.405  | 6438230  | 176 1.1/2 
2  | 76  | 580  | 2.570  | 6438310  | 176 2 
3  | 105 | 670  | 3.640  | 6438380  | 176 3 

9100 2K
PIE WRENCH

- Acc. to DIN 5234, Form C
- For working in confined spaces
- GEDORE special chrome-vanadium steel
- Drop forged
- Tempered, teeth additionally hardened
- Self-gripping by teeth offset against direction of rotation
- Non-slip surfaces, in sizes 1" and 1.1/2" with 2-component handles
- Roller secured against loss
- Stove enamelled blue

Size  | mm (C) | L  | Code No.  
--- | --- | --- | --- 
1/2  | 35  | 245  | 0.400  | 2530252  | 9100 2K 1/2 
1  | X  | 48  | 320  | 0.800  | 2530260  | 9100 2K 1 
1.1/2 | X  | 60  | 430  | 1.400  | 2530279  | 9100 2K 1.1/2 
2  | 80  | 550  | 2.200  | 2530287  | 9100 2K 2 
3  | 110 | 630  | 3.600  | 2530295  | 9100 2K 3
**PIERS RANGE**

### E-100 / E-175 / E-9100

**SET OF SPARES**

- **A** = Roller / Adjuster screw
- **B** = Circlip

<table>
<thead>
<tr>
<th>Code</th>
<th>A</th>
<th>No.</th>
<th>No. 100</th>
<th>No. 175</th>
<th>No. 176</th>
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### 225 PIPE WRENCH

- **Stillson type**
- **Hot-drop forged**
- **Forged parts tempered**
- **Self-gripping by teeth offset against direction of rotation**
- **GEDORE special hardened and tempered steel**

<table>
<thead>
<tr>
<th>Code</th>
<th>A</th>
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<th>No. 100</th>
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### 227 PIPE WRENCH

**American pattern**

- **Extra heavy type**
- **Forged parts tempered**
- **Teeth offset against direction of rotation and induction-hardened**
- **Handle made from malleable cast iron, stove enamelled**
- **GEDORE special hardened and tempered steel, ground**

### 152 HIGH-SPEED PIPE WRENCH

with screw adjuster

- **GEDORE blue powder-coated**
- **Forged components**
- **Induction-rehardened serrated faces**

### 190 "Pipes Wrrench"

- **GEDORE special hardened and tempered steel, ground**

<table>
<thead>
<tr>
<th>Code</th>
<th>A</th>
<th>No.</th>
<th>No. 100</th>
<th>No. 175</th>
<th>No. 176</th>
<th>No. 9100</th>
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<tbody>
<tr>
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</tbody>
</table>

### 227 "Pipes Wrrench"

- **Quick and easy setting with screw adjuster - single-hand adjustment**
- **Gripping faces selfinhibiting**

<table>
<thead>
<tr>
<th>Code</th>
<th>A</th>
<th>No.</th>
<th>No. 100</th>
<th>No. 175</th>
<th>No. 176</th>
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</table>
142
UNIVERSAL PLIERS

- Acc. to DIN ISO 8976 Form C
- With safety box joint and protection against blocking
- Single-hand push-button adjustment
- Fine adjustment
- 142 7 = 7 settings
- 142 10 = 15 settings
- 142 12 = 17 settings
- Slender pliers head for places that are hard to access
- Long slim jaws
- Offset gripping faces for self-gripping of nuts and pipes
- GEDORE special chrome-vanadium steel
- Induction-rehardened serrated faces
- 142 7 = 17 settings
- 142 10 = 15 settings
- 142 12 = 17 settings
- Model C = slim handles with forged serrations
- Model TL = steel-grey, with blue dipped handle protectors
- Model JC = chrome-plated, with 2-component handles

<table>
<thead>
<tr>
<th>L₁</th>
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<th>b</th>
<th>h</th>
<th>Code</th>
<th>No.</th>
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143
UNIVERSAL PLIERS

- Acc. to DIN ISO 8976 Form B
- Slim head
- Forged twin-groove lay-on slip joint and toothed recess
- Offset gripping faces for self-gripping of nuts and pipes
- With finger protection
- For pipes up to 1 1/2” and nuts up to 38 mm
- GEDORE special chrome-vanadium steel, chrome-plated
- Induction-rehardened serrated faces
- Model C = slim handles with forged serrations
- Model JC = chrome-plated, with 2-component handles

<table>
<thead>
<tr>
<th>L₁</th>
<th>L₂</th>
<th>b</th>
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<th>Code</th>
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144
MECHANICS PLIERS

- Acc. to DIN ISO 8976 Form A
- Lay-on slip joint and straight, serrated jaws
- GEDORE special chrome-vanadium steel
- Induction-rehardened serrated faces

<table>
<thead>
<tr>
<th>L₁</th>
<th>L₂</th>
<th>b</th>
<th>h</th>
<th>Code</th>
<th>No.</th>
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</table>
## 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
- Clamps automatically on pipes and nuts
- GEDORE special chrome-vanadium steel, chrome-plated

<table>
<thead>
<tr>
<th>Code No.</th>
<th>L1</th>
<th>L2</th>
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<th>h</th>
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</table>

## 145 B SPECIAL WATER PUMP PLIERS

- Acc. to DIN ISO 8976 Form C
- With fast adjustment and tooth-lock box joint and toothed aperture
- Absolutely safe - no slipping out of adjustment during work
- With finger protection
- GEDORE special chrome-vanadium steel, chrome-plated, polished

<table>
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<th>b</th>
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## 146 UNIVERSAL PLIERS

- 7 settings
- Acc. to DIN ISO 8976 Form C
- With safety box joint and finger protection
- Automatic clamping with offset gripping surfaces
- GEDORE special chrome-vanadium steel, chrome-plated, with polished surface

<table>
<thead>
<tr>
<th>Code No.</th>
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<th>L2</th>
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<th>h</th>
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## 9144 WATER PUMP PLIERS

- Acc. to DIN ISO 8976
- Chrome-vanadium steel
- With box joint
- Drop forged

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120
CHAIN PIPE WRENCH BOSS

- Ideal for use in areas with restricted access
- Ratchet-type operation
- Plastic grip prevents hand from slipping off
- Handle in GEDORE special chrome-vanadium steel
- Drop forged
- Tempered, teeth additionally hardened
- Stove enamelled blue

E 120
SPARE CHAIN BOSS

Size
3/8-4

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<th>≈ mm</th>
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E 122
SPARE CHAIN

American pattern

- High efficiency due to maximum-possible lever action
- Tempered steel acc. to EN 10083
- With hardened exchangeable jaws, toothed on both sides
- Stove enamelled blue

E 122
SPARE JAWS (PAIR)

Size
1/8-2

<table>
<thead>
<tr>
<th>Size</th>
<th>ø mm</th>
<th>≈ &quot;inch&quot;</th>
<th>≈ mm</th>
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Size
1/8-2

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</table>
**Special Pliers**

### 8385
**WIRE TWISTING PLIERS**

- For twisting and cutting
- GEDORE special hardened and tempered steel, gun-metal finish
- Angled by 45°
- Extra narrow head shape
- Cross-hatched gripping face for better “wire grip”
- Twists wires from 0.5 to 1.6 mm Ø
- Clockwise or counterclockwise twisting, adjustable by turning handle
- Automatic resetting
- Cutting edge with FOD (= No Foreign Object Damage). The special red plastic coating securely holds the rest of the cut wire. This rules out the wire being accidentally lost.

![Wire Twisting Pliers](image)

<table>
<thead>
<tr>
<th>mm</th>
<th>Inch</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>229</td>
<td>9</td>
<td>0.400</td>
<td>197957 8385</td>
</tr>
</tbody>
</table>

### 8386
**CONNECTOR PLIERS**

- With lap joint
- 3 settings
- Protects sensitive surfaces
- Particularly suitable for Canon-Connectors or other screw connectors
- Plastic jaws bolted and replaceable (No. E-8386), jaw width 11 mm
- GEDORE high-performance hardened and tempered steel, chrome-plated
- Handles dip-insulated

![Connector Pliers](image)

<table>
<thead>
<tr>
<th>mm</th>
<th>Inch</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-60</td>
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<td>E-8386</td>
</tr>
<tr>
<td>0.010</td>
<td></td>
<td>2003694</td>
<td>E-8386</td>
</tr>
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</table>

### 304
**SEAMING PLIERS**

- Straight pattern
- Forged

![Seaming Pliers](image)

<table>
<thead>
<tr>
<th>mm</th>
<th>Inch</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>2.36</td>
<td>0.590</td>
<td>4508550 304060</td>
</tr>
</tbody>
</table>

### 305
**SEAMING PLIERS**

- Bent pattern, bending angle 45°
- Forged

![Seaming Pliers](image)

<table>
<thead>
<tr>
<th>mm</th>
<th>Inch</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>2.36</td>
<td>0.630</td>
<td>4508630 305060</td>
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</table>
**Bolt Cutters**

### 8340 / 8340 Z BOLT CUTTERS

- Compact power bolt cutter with a particularly effective cutting performance
- Optimum lever action requires less effort
- Wear-free rotating/thrust block bolt to reduce sliding friction when cutting
- Force optimised, joint-near cutting is guaranteed
- The effective force multiplication ratio of 1:30 results from the joint-near use of the cutting edge
- Here the lever ratio of hand to cutting force is optimal
- A gliding ahead from this cutting position is prevented by the micro-grooves resp. the additional cutting edge

### 8340 BOLT CUTTER

- With a cut soft, medium-hard or hard wires up to 4 mm Ø are separated
- The gliding ahead of the cutting material is prevented by two one-sided micro-grooves and thus is always stays in optimal cutting position
- Precision cutting edges for soft wire up to Ø 6.0 mm, hard and piano wire up to Ø 3.8 mm
- Model JL = steel-grey
- Model TL = steel-grey, with blue dipped handle protectors

### 8340 Z BOLT CUTTER

- With two cuts soft, medium-hard or hard wires from 4 to 6 mm Ø are separated
- The extra cutting edge (1) serves as first cut for thick bolts and engraves them deeply
- In the second step, the main cutting edge (2) cuts through the bolt completely
- Double-sided recess cutting with extra cutting edge, near the joint, ensures optimum lever conditions for large wire diameters
- The extra cutting edge serves as first cut for thick bolts and engraves them deeply

<table>
<thead>
<tr>
<th>Code No.</th>
<th>2541200</th>
<th>2541289</th>
<th>2666316</th>
<th>2666324</th>
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<td>8340-200 TL</td>
<td>8340 Z-200 TL</td>
<td>8340-200 JL</td>
<td>8340 Z-200 JL</td>
<td>8340-200 TL</td>
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</tbody>
</table>
8178 BOLT CUTTER

- Acc. to DIN ISO 5743
- Double cam bolt adjustment
- Cutting head replaceable
- Cutting heads from chrome-vanadium steel
- Max. cutting performance 44 HRC

E-8178 SPARE CUTTING HEAD

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>0.440</td>
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<td>E-8178 460</td>
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<td>0.800</td>
<td>2675218</td>
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<tr>
<td>1.460</td>
<td>2675226</td>
<td>E-8178 780</td>
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<tr>
<td>1.470</td>
<td>2675234</td>
<td>E-8178 900</td>
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</table>

8179 CONCRETE MESH AND BOLT CUTTER

- Acc. to DIN ISO 5743
- Double cam bolt adjustment
- Cutting head replaceable
- Cutters from chrome-vanadium steel
- Max. cutting performance in round stock 40 HRC, 9 mm or 2 x 8 mm

E-8179 SPARE CUTTING HEAD

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>0.980</td>
<td>2675242</td>
<td>E-8179 900</td>
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</table>

Blacksmith's tongs

230 BLACKSMITH'S TONGS

- Flat nosed

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>300 6 mm</td>
<td>8842510</td>
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<tr>
<td>400 8 mm</td>
<td>8842780</td>
<td>230-400</td>
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<tr>
<td>500 10 mm</td>
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<td>230-500</td>
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<tr>
<td>600 14 mm</td>
<td>8842940</td>
<td>230-600</td>
</tr>
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</table>

231 BLACKSMITH'S TONGS

- Round nosed

<table>
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</thead>
<tbody>
<tr>
<td>400 12 mm</td>
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<tr>
<td>500 16 mm</td>
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</tbody>
</table>

233 BLACKSMITH'S TONGS

- Wolf's jaw

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>300 6 mm</td>
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<td>233-300</td>
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<tr>
<td>400 8 - 10 mm</td>
<td>8845290</td>
<td>233-400</td>
</tr>
<tr>
<td>500 12 mm</td>
<td>8845370</td>
<td>233-500</td>
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</table>
Plier assortments

- Produced in-house by GEDORE Austria
- Combination, flat-nosed, round-nosed and mechanics pliers made from GEDORE special hardened and tempered steel
- Side-cutters and end cutting nippers made from GEDORE high-performance hardened and tempered steel
- JC = chrome-plated, 2-component handle protectors
- TL = clear varnished, with blue dipped non-slip handles
- Hot-forged tempered steel
- Precision machined, oil-hardened and annealed
- Induction-rehardened cutting edges
- Protective nickel and chrome plating
- Optimum transfer of force
- High cutting performance
- Fatigue-free, even in constant use
- Guaranteed GEDORE quality

S 8003 JC
PLIERS SET
3 pieces

- Practical set composition in environmentally-friendly cardboard box
- JC = chrome-plated, with 2-component handles

Contents

<table>
<thead>
<tr>
<th></th>
<th></th>
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<tbody>
<tr>
<td>8132-160 JC</td>
<td>0.766</td>
<td>670110 S 8003 JC</td>
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<tr>
<td>8250-180 JC</td>
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<td></td>
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<tr>
<td>8316-160 JC</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

S 8003 TL
PLIERS SET
3 pieces

- Practical set composition in environmentally-friendly cardboard box
- TL = steel-grey, with blue dipped non-slip handles

Contents

<table>
<thead>
<tr>
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<tbody>
<tr>
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<tr>
<td>8250-180 TL</td>
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<tr>
<td>8316-160 TL</td>
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</table>
S 8200 JC
PLIERS SET
4 pieces

- Practical set composition in environmentally-friendly cardboard box
- JC = chrome-plated, with 2-component handles

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<tr>
<th>Contents</th>
<th>Code</th>
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<td>8250-180 JC</td>
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<td>8132-160 JC</td>
<td>8314-160 JC</td>
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</tr>
</tbody>
</table>

S 8303 JC
PLIERS SET
3 pieces

- Practical set composition in environmentally-friendly cardboard box
- JC = chrome-plated, with 2-component handles

<table>
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<tr>
<th>Contents</th>
<th>Code</th>
<th>No.</th>
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</thead>
<tbody>
<tr>
<td>142 10 JC</td>
<td>8250-180 JC</td>
<td>0.880</td>
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<tr>
<td>8316-160 JC</td>
<td>8316-160 JC</td>
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</tbody>
</table>

S 8303 TL
PLIERS SET
3 pieces

- Practical set composition in environmentally-friendly cardboard box
- TL = steel-grey, with blue dipped non-slip handles

<table>
<thead>
<tr>
<th>Contents</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>142 10 TL</td>
<td>8250-180 TL</td>
<td>0.880</td>
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<tr>
<td>8316-160 TL</td>
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<td></td>
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</tbody>
</table>

1101-142-2150
"59

1102 L
"63
## 1101-002 Pliers Set

**6 pieces**

- Practical set composition in sturdy plastic case
- JC = chrome-plated, with 2-component handles
- In GEDORE i-BOXX® 72 no. 1101 L
- Dimensions: W 367 x D 316 x H 72 mm

### Contents

<table>
<thead>
<tr>
<th>Code</th>
<th>No.</th>
<th>Qty</th>
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<tbody>
<tr>
<td>8099-160 JC</td>
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<td>8122-160 JC</td>
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<td>8316-180 JC</td>
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</tbody>
</table>

## 1102-003 Pliers Set

**3 pieces**

- Practical set composition
- JC = chrome-plated, with 2-component handles
- In GEDORE i-BOXX® L no. 1102 L
- Dimensions: W 260 x D 155 x H 63 mm

### Contents

<table>
<thead>
<tr>
<th>Code</th>
<th>No.</th>
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<tbody>
<tr>
<td>8132-160 JC</td>
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</table>

## 1102-007 Pliers Set

**3 pieces**

- Practical set composition
- In GEDORE L-BOXX® Mini, incl. divider set
- Dimensions: W 260 x D 155 x H 63 mm

### Contents

<table>
<thead>
<tr>
<th>Code</th>
<th>No.</th>
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</thead>
<tbody>
<tr>
<td>8132-200 JC</td>
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<td>142 TL</td>
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## 1102-008 Pliers Set

**3 pieces**

- Practical set composition
- In GEDORE L-BOXX® Mini, incl. divider set
- Dimensions: W 260 x D 155 x H 63 mm

### Contents

<table>
<thead>
<tr>
<th>Code</th>
<th>No.</th>
<th>Qty</th>
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<tbody>
<tr>
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</table>
**Circlip pliers sets**

**S 8000**

**SET OF CIRCLIP PLIERS**

4 pieces

- Most popular sizes, packed in environmentally-friendly cardboard box
- Particularly suitable for barely accessible places
- For internal and external circlip rings
- With straight and 90° angled tips

**Contents**

- Code No. 8000 A 2 A 21
- Code No. 8000 J 2 J 21
- Code No. 0.756
- Code No. 6701030
- Code No. S 8000

**S 8008**

**SET OF CIRCLIP PLIERS**

8 pieces

- Most popular sizes, packed in environmentally-friendly cardboard box
- Particularly suitable for barely accessible places
- For internal and external circlip rings
- With straight and 90° angled tips

**Contents**

- Code No. 8000 A 1 A 11 A 2 A 21
- Code No. 8000 J 1 J 11 J 2 J 21
- Code No. 1.082
- Code No. 6700490
- Code No. S 8008

**S 8100**

**SET OF CIRCLIP PLIERS**

4 pieces

- Most popular sizes, packed in environmentally-friendly cardboard box
- Particularly suitable for barely accessible places
- For internal and external circlip rings
- With straight and 90° angled tips

**Contents**

- Code No. 8000 A 2 A 21
- Code No. 8000 J 2 J 21
- Code No. 0.597
- Code No. 6703080
- Code No. S 8100

**S 8024**

**SET OF CIRCLIP PLIERS**

4 pieces

- Most popular sizes, packed in environmentally-friendly cardboard box
- For automotive use
- Particularly suitable for barely accessible places
- For internal and external circlip rings
- With straight and 45° angled tips

**Contents**

- Code No. 8000 A 2 A 22
- Code No. 8000 J 2 J 22
- Code No. 0.756
- Code No. 2148684
- Code No. S 8024
S 8028
SET OF CIRCLIP PLIERS
8 pieces

- Most popular sizes, packed in environmentally-friendly cardboard box
- For automotive use
- Particularly suitable for barely accessible places
- For internal and external circlip rings
- With straight and 45° angled tips

<table>
<thead>
<tr>
<th>Contents</th>
<th>Code</th>
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<tbody>
<tr>
<td>8000 A 1 A 2 A 12 A 22</td>
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<td>8000 J 1 J 2 J 12 J 22</td>
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</table>

1101-001
SET OF CIRCLIP PLIERS
8 pieces

- Usual type of tool set packed in sturdy plastic case
- Particularly suitable for barely accessible places
- For internal and external circlip rings
- With straight and 90° angled tips
- In GEDORE i-BOXX® 72, with transparent cover for getting an immediate impression
- Dimensions: W 367 x D 316 x H 72 mm

<table>
<thead>
<tr>
<th>Contents</th>
<th>Code</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>8000 J 1 J 11 J 2 J 21</td>
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<td></td>
</tr>
</tbody>
</table>

1102-001
SET OF CIRCLIP PLIERS
4 pieces

- Usual type of tool set
- Particularly suitable for barely accessible places
- For internal and external circlip rings
- With straight and 90° angled tips
- In GEDORE L-BOXX® Mini, incl. divider set
- Dimensions: W 260 x D 155 x H 63 mm

<table>
<thead>
<tr>
<th>Contents</th>
<th>Code</th>
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<td>8000 A 2 A 21</td>
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<tr>
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</table>

1101-004
SET OF CIRCLIP PLIERS
8 pieces

- Particularly suitable for barely accessible places
- With straight and 45° angled tips
- For the safe installation and removal of internal and external retaining rings up to a size of 60 mm
- In GEDORE i-BOXX® 72, with transparent cover for getting an immediate impression
- Dimensions: W 367 x D 316 x H 72 mm

<table>
<thead>
<tr>
<th>Contents</th>
<th>Code</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
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<td>8000 J 1 J 12 J 2 J 22</td>
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