PLIERS

COMBINATION PLIERS  370

SIDE CUTTERS / END CUTTING NIPPERS  373

FLAT NOSE / ROUND NOSE PLIERS  376

MECHANICS PLIERS  379

BOWDEN CABLE CUTTER / CABLE SHEARS  380

WIRE-STRIPPING PLIERS  382

ELECTRONIC PLIERS / ACCESSORIES, STRIPPING TOOLS  383

CRIMPING PLIERS  393

CIRCLIP PLIERS (X-GRIP)  406

GRIP WRENCHES  407

PIPE WRENCHES / SPECIAL PLIERS  411

WATER PUMP / UNIVERSAL PLIERS  415

BOLT CUTTERS  419

BLACKSMITH’S TONGS  420

PLIERS ASSORTMENTS  421
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 customized 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
Maximum cutting performance yet with a low level of effort expended thanks to an optimum interaction of cutting geometry, eccentric rivet bearing and ergonomic handle design.

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

- Roughly toothed recess for securely holding screws, pipes etc.
- Best cutting power (Bcp) reveals the optimum cutting point under perfect power utilisation.
- Anti-slip nubs give the thumb a secure hold when rotating and pulling movements are involved. They thus ensure powerful plier gripping.
- Finger protection ensures maximum safety.
- 2-component handles - fatigue-free working even when continuously used.
- Ergonomically ideally placed hard and soft elements give the grip its GEDORE typical kind-to-hands feel.
- Extra high-performance cutting edge thanks to additional GEDORE induction hardening (62 - 64 HRC) for heavy continuous use.

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.

\[
\sum M_{(rivet)} = 0 = F_{(hand)} \times L_{(hand)} = F_{(cutting \, edges)} \times L_{(optimum \, cutting \, edge \, distance)}
\]

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

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.

The greatly improved effective length of this design achieves increased cutting force. Optimised lever ratios bring a 35 % reduction in the effort required.

**Force equation**

\[
F_{(cutting \, edges)} = \frac{F_{(hand)} \times L_{(hand)}}{L_{(optimum \, cutting \, edge \, distance)}}
\]
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

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>Code No.</th>
<th>L</th>
<th>L1</th>
<th>W1</th>
<th>W2</th>
<th>T1</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8248-160 JC</td>
<td>165</td>
<td>46</td>
<td>24</td>
<td>6</td>
<td>10</td>
<td>0.245</td>
<td>2276585</td>
</tr>
<tr>
<td>8248-160 TL</td>
<td>165</td>
<td>46</td>
<td>24</td>
<td>6</td>
<td>10</td>
<td>0.220</td>
<td>2276763</td>
</tr>
</tbody>
</table>
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>
<thead>
<tr>
<th>Code No.</th>
<th>L</th>
<th>L1</th>
<th>W</th>
<th>W1</th>
<th>T</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6730480</td>
<td>125</td>
<td>25</td>
<td>16</td>
<td>3.2</td>
<td>7.6</td>
<td>0.117</td>
<td>8200-125 JC</td>
</tr>
</tbody>
</table>

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>
<thead>
<tr>
<th>Code No.</th>
<th>L</th>
<th>L1</th>
<th>W</th>
<th>W1</th>
<th>T</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6731100</td>
<td>120</td>
<td>34</td>
<td>23.0</td>
<td>5.8</td>
<td>10.8</td>
<td>0.217</td>
<td>8210-120 JC</td>
</tr>
<tr>
<td>6711340</td>
<td>160</td>
<td>34</td>
<td>23.0</td>
<td>5.8</td>
<td>10.8</td>
<td>0.217</td>
<td>8210-160 JC</td>
</tr>
<tr>
<td>6711550</td>
<td>180</td>
<td>38</td>
<td>27.0</td>
<td>6.4</td>
<td>11.8</td>
<td>0.284</td>
<td>8210-180 JC</td>
</tr>
<tr>
<td>6711420</td>
<td>200</td>
<td>42</td>
<td>29.5</td>
<td>7.4</td>
<td>12.5</td>
<td>0.356</td>
<td>8210-200 JC</td>
</tr>
<tr>
<td>6721850</td>
<td>200</td>
<td>42</td>
<td>29.5</td>
<td>7.4</td>
<td>12.5</td>
<td>0.296</td>
<td>8210-200 TL</td>
</tr>
</tbody>
</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>
<thead>
<tr>
<th>Code No.</th>
<th>L</th>
<th>L1</th>
<th>W</th>
<th>W1</th>
<th>T</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6730700</td>
<td>160</td>
<td>34</td>
<td>23.0</td>
<td>5.8</td>
<td>8.8</td>
<td>0.218</td>
<td>8245-160 JC</td>
</tr>
<tr>
<td>6730050</td>
<td>160</td>
<td>34</td>
<td>23.0</td>
<td>5.8</td>
<td>8.8</td>
<td>0.174</td>
<td>8245-160 TC</td>
</tr>
<tr>
<td>6731550</td>
<td>180</td>
<td>38</td>
<td>27.0</td>
<td>6.4</td>
<td>9.8</td>
<td>0.280</td>
<td>8245-180 JC</td>
</tr>
<tr>
<td>6730210</td>
<td>180</td>
<td>38</td>
<td>27.0</td>
<td>6.4</td>
<td>9.8</td>
<td>0.230</td>
<td>8245-180 TC</td>
</tr>
<tr>
<td>6731230</td>
<td>200</td>
<td>42</td>
<td>29.5</td>
<td>7.4</td>
<td>10.5</td>
<td>0.363</td>
<td>8245-200 JC</td>
</tr>
<tr>
<td>6730720</td>
<td>200</td>
<td>42</td>
<td>29.5</td>
<td>7.4</td>
<td>10.5</td>
<td>0.297</td>
<td>8245-200 TC</td>
</tr>
</tbody>
</table>
PLIERS RANGE

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

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.

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.

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.

Gripping surface with file-cut for a particularly effective hold.

Roughly toothed gripping surfaces for securely holding screws, pipes etc.

8250 POWER COMBINATION PLIERS

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>L₃</td>
<td>W₃</td>
<td>W₄</td>
<td>T₁</td>
<td>Code</td>
<td>No.</td>
</tr>
<tr>
<td>160</td>
<td>35.0</td>
<td>22.8</td>
<td>5.8</td>
<td>10.4</td>
<td>0.225</td>
<td>1429566</td>
</tr>
<tr>
<td>160</td>
<td>35.0</td>
<td>22.8</td>
<td>5.8</td>
<td>10.4</td>
<td>0.180</td>
<td>1429574</td>
</tr>
<tr>
<td>180</td>
<td>38.5</td>
<td>25.6</td>
<td>6.5</td>
<td>11.0</td>
<td>0.282</td>
<td>6707970</td>
</tr>
<tr>
<td>180</td>
<td>38.5</td>
<td>25.6</td>
<td>6.5</td>
<td>11.0</td>
<td>0.227</td>
<td>6707660</td>
</tr>
<tr>
<td>200</td>
<td>39.5</td>
<td>27.0</td>
<td>6.5</td>
<td>12.4</td>
<td>0.360</td>
<td>6707310</td>
</tr>
<tr>
<td>200</td>
<td>39.5</td>
<td>27.0</td>
<td>6.5</td>
<td>12.4</td>
<td>0.288</td>
<td>6707740</td>
</tr>
</tbody>
</table>

8250-225 TL POWER COMBINATION PLIERS

- 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>
<thead>
<tr>
<th>Code No.</th>
<th>8250-225 TL</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>L₃</td>
</tr>
<tr>
<td>225</td>
<td>42.2</td>
</tr>
</tbody>
</table>

VDE 8250 / VDE 8250 H

1500 CT1-142
**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)

**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

**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
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles

**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 medium-hard wire, 1.6 mm
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- 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

**POWER PISTONS**

- 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.
- High-grade 2-component handles with finger protection enable work to be done ergonomically and to the exclusion of tiredness.
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>
<th>Code No.</th>
<th>L</th>
<th>L3</th>
<th>W3</th>
<th>T1</th>
<th>Ø</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8316-140</td>
<td>140</td>
<td>17.0</td>
<td>22.0</td>
<td>9.5</td>
<td>1.4</td>
<td>0.175</td>
<td>6744190 8316-140 JC</td>
</tr>
<tr>
<td>8316-140</td>
<td>140</td>
<td>17.0</td>
<td>22.0</td>
<td>9.5</td>
<td>1.4</td>
<td>0.146</td>
<td>6711930 8316-140 TL</td>
</tr>
<tr>
<td>8316-160</td>
<td>160</td>
<td>19.0</td>
<td>24.5</td>
<td>10.0</td>
<td>1.6</td>
<td>0.236</td>
<td>6744510 8316-160 JC</td>
</tr>
<tr>
<td>8316-160</td>
<td>160</td>
<td>19.0</td>
<td>24.5</td>
<td>10.0</td>
<td>1.6</td>
<td>0.195</td>
<td>6712070 8316-160 TL</td>
</tr>
<tr>
<td>8316-180</td>
<td>180</td>
<td>22.0</td>
<td>26.0</td>
<td>11.0</td>
<td>1.8</td>
<td>0.265</td>
<td>1439588 8316-180 JC</td>
</tr>
<tr>
<td>8316-180</td>
<td>180</td>
<td>22.0</td>
<td>26.0</td>
<td>11.0</td>
<td>1.8</td>
<td>0.225</td>
<td>1439596 8316-180 TL</td>
</tr>
<tr>
<td>8316-200</td>
<td>200</td>
<td>22.0</td>
<td>26.0</td>
<td>11.0</td>
<td>2.0</td>
<td>0.340</td>
<td>6745080 8316-200 JC</td>
</tr>
<tr>
<td>8316-200</td>
<td>200</td>
<td>22.0</td>
<td>26.0</td>
<td>11.0</td>
<td>2.0</td>
<td>0.270</td>
<td>6712150 8316-200 TL</td>
</tr>
</tbody>
</table>

VDE 8316 / VDE 8316 H

S 8303 JC

584

422
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

<table>
<thead>
<tr>
<th>Ø</th>
<th>Length</th>
<th>Code No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.6</td>
<td>160</td>
<td>6745590</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Ø</th>
<th>Length</th>
<th>Code No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>180</td>
<td>6750830</td>
</tr>
<tr>
<td>2</td>
<td>210</td>
<td>6751050</td>
</tr>
<tr>
<td>2.5</td>
<td>* 235</td>
<td>6751210</td>
</tr>
</tbody>
</table>

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>
<thead>
<tr>
<th>L</th>
<th>L1</th>
<th>W</th>
<th>T</th>
<th>Ø</th>
<th>Code No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>160</td>
<td>6.9</td>
<td>27</td>
<td>23.5</td>
<td>1.6</td>
<td>6749150</td>
</tr>
<tr>
<td>160</td>
<td>6.9</td>
<td>27</td>
<td>23.5</td>
<td>1.6</td>
<td>6712230</td>
</tr>
</tbody>
</table>

8380
TOWER PINCER

- Heavy-duty wire braid and mesh-cutting pincers
- Acc. to DIN ISO 9243, 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

<table>
<thead>
<tr>
<th>L</th>
<th>L1</th>
<th>W1</th>
<th>T1</th>
<th>Ø</th>
<th>Code No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>230</td>
<td>16</td>
<td>31</td>
<td>22</td>
<td>0.358</td>
<td>6752020</td>
</tr>
<tr>
<td>250</td>
<td>16</td>
<td>35</td>
<td>25</td>
<td>0.423</td>
<td>6752100</td>
</tr>
<tr>
<td>280</td>
<td>16</td>
<td>35</td>
<td>25</td>
<td>0.541</td>
<td>6752290</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>L</th>
<th>L1</th>
<th>W1</th>
<th>T1</th>
<th>Ø</th>
<th>Code No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>160</td>
<td>21.0</td>
<td>48</td>
<td>20</td>
<td>0.258</td>
<td>6752370</td>
</tr>
<tr>
<td>180</td>
<td>21.0</td>
<td>50</td>
<td>23</td>
<td>0.362</td>
<td>6751800</td>
</tr>
<tr>
<td>200</td>
<td>23.5</td>
<td>55</td>
<td>26</td>
<td>0.442</td>
<td>6751990</td>
</tr>
<tr>
<td>225</td>
<td>23.5</td>
<td>55</td>
<td>25</td>
<td>0.514</td>
<td>6752450</td>
</tr>
<tr>
<td>250</td>
<td>23.5</td>
<td>58</td>
<td>27</td>
<td>0.586</td>
<td>6752530</td>
</tr>
<tr>
<td>280</td>
<td>23.5</td>
<td>58</td>
<td>27</td>
<td>0.658</td>
<td>6752620</td>
</tr>
</tbody>
</table>
PLIERS RANGE

Flat Nose / Round Nose Pliers

8110
FLAT NOSE PLIERS
without cutting edge, serrated

- Acc. to DIN ISO 5745
- Short jaws, serrated gripping faces
- 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></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8110-140 JC</td>
<td>140</td>
<td>28.5</td>
<td>16.5</td>
<td>3.6</td>
<td>8.5</td>
<td>0.154</td>
</tr>
<tr>
<td>8110-140 TL</td>
<td>140</td>
<td>28.5</td>
<td>16.5</td>
<td>3.6</td>
<td>8.5</td>
<td>0.118</td>
</tr>
</tbody>
</table>

8120
FLAT NOSE PLIERS
without cutting edge, serrated

- Acc. to DIN ISO 5745
- Long jaws, serrated gripping faces
- 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></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8120-160 JC</td>
<td>160</td>
<td>51</td>
<td>16.5</td>
<td>3.4</td>
<td>9</td>
<td>0.170</td>
</tr>
<tr>
<td>8120-160 TL</td>
<td>160</td>
<td>51</td>
<td>16.5</td>
<td>3.4</td>
<td>9</td>
<td>0.133</td>
</tr>
</tbody>
</table>

8112
ROUND NOSE PLIERS
serrated

- Similar to DIN ISO 5745
- Short jaws, serrated gripping faces
- 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></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8112-140 JC</td>
<td>140</td>
<td>29.0</td>
<td>17.0</td>
<td>2.5</td>
<td>8.5</td>
<td>0.146</td>
<td>6713390</td>
<td></td>
</tr>
<tr>
<td>8112-140 TL</td>
<td>140</td>
<td>28.5</td>
<td>16.5</td>
<td>2.5</td>
<td>8.5</td>
<td>0.110</td>
<td>6713280</td>
<td></td>
</tr>
</tbody>
</table>

VDE 8120 / VDE 8120 H
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>
<thead>
<tr>
<th>Code No.</th>
<th>L</th>
<th>W1</th>
<th>T1</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8122-160 JC</td>
<td>160</td>
<td>48</td>
<td>16.5</td>
<td>2.5</td>
<td>8.7</td>
</tr>
<tr>
<td>8122-160 TL</td>
<td>160</td>
<td>48</td>
<td>16.5</td>
<td>2.5</td>
<td>8.7</td>
</tr>
</tbody>
</table>

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>
<thead>
<tr>
<th>Code No.</th>
<th>L</th>
<th>W1</th>
<th>W2</th>
<th>T1</th>
<th>T2</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8132-140 JC</td>
<td>140</td>
<td>42.0</td>
<td>15.0</td>
<td>2.5</td>
<td>7.8</td>
<td>2.0</td>
<td>0.125</td>
</tr>
<tr>
<td>8132-140 TL</td>
<td>140</td>
<td>42.0</td>
<td>15.0</td>
<td>2.5</td>
<td>7.8</td>
<td>2.0</td>
<td>0.104</td>
</tr>
<tr>
<td>8132-160 JC</td>
<td>160</td>
<td>50.0</td>
<td>16.5</td>
<td>3.2</td>
<td>9.0</td>
<td>2.5</td>
<td>0.166</td>
</tr>
<tr>
<td>8132-160 TL</td>
<td>160</td>
<td>50.0</td>
<td>16.5</td>
<td>3.2</td>
<td>9.0</td>
<td>2.5</td>
<td>0.129</td>
</tr>
<tr>
<td>8132-200 JC</td>
<td>200</td>
<td>75.7</td>
<td>18.5</td>
<td>3.7</td>
<td>9.5</td>
<td>2.8</td>
<td>0.225</td>
</tr>
<tr>
<td>8132-200 TL</td>
<td>200</td>
<td>75.7</td>
<td>18.5</td>
<td>3.7</td>
<td>9.5</td>
<td>2.8</td>
<td>0.186</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Code No.</th>
<th>L</th>
<th>W1</th>
<th>W2</th>
<th>T1</th>
<th>T2</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8132 AB-160 JC</td>
<td>160</td>
<td>46.0</td>
<td>16.5</td>
<td>3.2</td>
<td>9.0</td>
<td>2.5</td>
<td>0.163</td>
</tr>
<tr>
<td>8132 AB-160 TL</td>
<td>160</td>
<td>46.0</td>
<td>16.5</td>
<td>3.2</td>
<td>9.0</td>
<td>2.5</td>
<td>0.125</td>
</tr>
<tr>
<td>8132 AB-200 JC</td>
<td>200</td>
<td>70.5</td>
<td>18.5</td>
<td>3.7</td>
<td>9.5</td>
<td>2.8</td>
<td>0.225</td>
</tr>
<tr>
<td>8132 AB-200 TL</td>
<td>200</td>
<td>70.5</td>
<td>18.5</td>
<td>3.7</td>
<td>9.5</td>
<td>2.8</td>
<td>0.190</td>
</tr>
</tbody>
</table>

VDE 8122 / VDE 8122 H
VDE 8132 / VDE 8132 H
VDE 8132 AB / VDE 8132 AB H
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

<table>
<thead>
<tr>
<th>mm</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>180</td>
<td>6722110</td>
<td>8133-180 JC</td>
</tr>
<tr>
<td>200</td>
<td>2676079</td>
<td>8133-200 JC</td>
</tr>
<tr>
<td>180</td>
<td>1997394</td>
<td>8133-180 TL</td>
</tr>
<tr>
<td>200</td>
<td>2676087</td>
<td>8133-200 TL</td>
</tr>
</tbody>
</table>

8135 TELEPHONE PLIERS

- Ac. 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
Mechanics Pliers

8136
MECHANICS PLIERS
without wire cutter, straight pattern

- According 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

8136 AB
MECHANICS PLIERS
without wire cutter, angled pattern

- Similar to DIN ISO 5745
- Flat-round tapered jaws, cross-hatched gripping surfaces
- 45° angled tips make gripping round the corner possible
- Fine-tipped nose, for safe work in confined spaces
- GEDORE special hardened and tempered steel, drop-forged, oil-hardened and annealed
- JC = chrome-plated, with 2-component handles
- TL = steel-grey, with blue dipped non-slip handles

8137
MECHANICS PLIERS
without wire cutter, offset pattern

- Flat-round tapered jaws, cross-hatched gripping surfaces
- Fine-tipped nose
- Gentle-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

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
Cable cutter

8317
BOWDEN CABLE CUTTER/WIRE ROPE CUTTER

- Crimping of bowden-cable sleeves and end-sleeves 1.5 mm and 2 mm
- For cutting wire rope up to 2 mm diameter and bowden-cable sleeves up to 5 mm diameter as well as for medium-hard wire
- With opening spring, transport lock and width adjustment
- Induction-hardened cutting edges
- Innovative GEDORE cutting form produces a precision cut
- Low overall weight

<table>
<thead>
<tr>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011638</td>
<td>8317-160 JC</td>
</tr>
</tbody>
</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>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2788799</td>
<td>8320-200 JC</td>
</tr>
</tbody>
</table>

Joint:
- Adjustable joint for precise cutting plate guidance
- Latch to prevent unwanted opening

Handles:
- JC = with 2-component handles
- Plier body hot drop-forged
- Chrome-plated

Material/Finish:
- Plier body hot drop-forged
- Chrome-plated

Fanning out:
- Fanning out - that is separating off into individual strands - is not wanted when cutting wire ropes. It is a very laborious business to splice wire ropes. That is why more up-to-date ways are available to incorporate loops in wire ropes. However, they require a smooth cut without any spliced strands.

Splicing:
- The old seafaring ability to separate the rope into its individual strands so as to then braid them into a loop or lengthen the rope with another rope without knotting.

E-8320
SET OF SPARES FOR WIRE ROPE CUTTER

- Consisting of: 2 cutting plates, 2 screws, 1 TORX® cranked socket key

<table>
<thead>
<tr>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2830779</td>
<td>E-8320-200</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>15</td>
<td>160</td>
<td>6.1/2</td>
</tr>
<tr>
<td></td>
<td>2959720 8090-170 TL</td>
<td></td>
<td>2878356 8092-160 TL</td>
</tr>
</tbody>
</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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10/50</td>
<td></td>
<td>1080</td>
</tr>
<tr>
<td></td>
<td>160</td>
<td></td>
<td>0.180</td>
</tr>
<tr>
<td></td>
<td>29678356 8092-160 TL</td>
<td></td>
<td>6724910 8094</td>
</tr>
</tbody>
</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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>27</td>
<td></td>
<td>1080</td>
</tr>
<tr>
<td></td>
<td>150</td>
<td></td>
<td>6.1/2</td>
</tr>
<tr>
<td></td>
<td>6724830 8093</td>
<td></td>
<td>6724910 8094</td>
</tr>
</tbody>
</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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>20</td>
<td></td>
<td>70</td>
</tr>
<tr>
<td></td>
<td>70</td>
<td></td>
<td>8.1/2</td>
</tr>
<tr>
<td></td>
<td>200</td>
<td></td>
<td>0.329</td>
</tr>
<tr>
<td></td>
<td>6724910 8094</td>
<td></td>
<td>6707820 8095-160</td>
</tr>
</tbody>
</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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10</td>
<td></td>
<td>160</td>
</tr>
<tr>
<td></td>
<td>160</td>
<td></td>
<td>6.1/2</td>
</tr>
<tr>
<td></td>
<td>0.134</td>
<td></td>
<td>6707820 8095-160</td>
</tr>
</tbody>
</table>
**Stripping Pliers**

### 8097
**STRIPPING PLOIERS**

**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 (mm)</th>
<th>L₁ (mm)</th>
<th>W (mm)</th>
<th>T (mm)</th>
<th>mm²</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>8</td>
<td>0.2-6</td>
<td></td>
<td>0.193</td>
<td>6702940</td>
<td>8097</td>
</tr>
</tbody>
</table>

### 8098
**STRIPPING PLOIERS**

- 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 wires¹
- 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>L₁ (mm)</th>
<th>W₁ (mm)</th>
<th>W₂ (mm)</th>
<th>T₁ (mm)</th>
<th>T₂ (mm)</th>
<th>L₁ (mm)</th>
<th>W₁ (mm)</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>43.5</td>
<td>18.5</td>
<td>8.5</td>
<td>0.8-6</td>
<td>0.198</td>
<td>6708630</td>
<td>8098-160JC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>43.5</td>
<td>18.5</td>
<td>8.5</td>
<td>0.8-6</td>
<td>0.153</td>
<td>6710020</td>
<td>8098-160TL</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 8099
**STRIPPING PLOIERS 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

<table>
<thead>
<tr>
<th>L (mm)</th>
<th>L₁ (mm)</th>
<th>W (mm)</th>
<th>T (mm)</th>
<th>mm²</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.1/2</td>
<td>0.5-5</td>
<td>0.217</td>
<td></td>
<td>6709520</td>
<td>8099-160JC</td>
<td></td>
</tr>
</tbody>
</table>

### E-8099
**PAIR OF SPARE KNIVES**

for stripping pliers STRIP-FIX

<table>
<thead>
<tr>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5709580</td>
<td>E-8099</td>
</tr>
</tbody>
</table>

VDE 8099 / VDE 8099 H

581
Electronic Pliers

Electronics 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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8305-9</td>
<td>8307-4</td>
<td>8308-1</td>
</tr>
<tr>
<td>8306-6</td>
<td>8306-1</td>
<td>E-8305 MT</td>
</tr>
<tr>
<td>8307-3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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

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

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

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
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
- Nickel wire: 0.6 mm
- Especially for cutting SMD components

ESD = electrostatic discharge protection
8306-10
ELECTRONIC SIDE CUTTER CARBIDE

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

<table>
<thead>
<tr>
<th>CL</th>
<th>mm</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>125</td>
<td>0.077</td>
<td>1743422</td>
</tr>
</tbody>
</table>

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>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>125</td>
<td>0.076</td>
<td>1743600</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>CL</th>
<th>mm</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>135</td>
<td>0.094</td>
<td>1743627</td>
</tr>
</tbody>
</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

<table>
<thead>
<tr>
<th>CL</th>
<th>mm</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>135</td>
<td>0.098</td>
<td>1743635</td>
</tr>
</tbody>
</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
- ESD = electrostatic discharge protection

<table>
<thead>
<tr>
<th>Code No.</th>
<th>JL</th>
<th>( \text{mm} )</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8305-2</td>
<td>39</td>
<td>165</td>
<td>6725480</td>
<td>8305-2</td>
</tr>
<tr>
<td>8307-4</td>
<td>31</td>
<td>145</td>
<td>1743562</td>
<td>8307-4</td>
</tr>
</tbody>
</table>

8305-6
FINE NEEDLE NOSE ELECTRONIC PLIERS

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

<table>
<thead>
<tr>
<th>Code No.</th>
<th>JL</th>
<th>( \text{mm} )</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8305-6</td>
<td>40</td>
<td>160</td>
<td>6725720</td>
<td>8305-6</td>
</tr>
</tbody>
</table>

Needle nose electronic pliers 45° angled

8307-3
NEEDLE NOSE ELECTRONIC PLIERS

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

8307-7
LONG NOSE ELECTRONIC PLIERS

- Extra long, flat-round tapered jaws, angled 45°
- For bending and straightening jobs
- ESD = electrostatic discharge protection

<table>
<thead>
<tr>
<th>Code No.</th>
<th>JL</th>
<th>( \text{mm} )</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8307-3</td>
<td>22</td>
<td>140</td>
<td>1743554</td>
<td>8307-3</td>
</tr>
<tr>
<td>8307-7</td>
<td>35</td>
<td>165</td>
<td>1743597</td>
<td>8307-7</td>
</tr>
</tbody>
</table>
PLIERS RANGE

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>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>6135</td>
<td>6725990</td>
<td>8305-7</td>
</tr>
<tr>
<td>23135</td>
<td>6726370</td>
<td>8305-9</td>
</tr>
</tbody>
</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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>20135</td>
<td>1743651</td>
<td>8308-6</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>CL</th>
<th>l (mm)</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>132</td>
<td>1828967</td>
<td>8350-2</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>CL</th>
<th>l (mm)</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>132</td>
<td>1828975</td>
<td>8350-3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>CL</th>
<th>l (mm)</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>136</td>
<td>1828991</td>
<td>8350-5</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>CL</th>
<th>l (mm)</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>138</td>
<td>1829009</td>
<td>8350-6</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>CL</th>
<th>l (mm)</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>138</td>
<td>1829017</td>
<td>8350-7</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>CL</th>
<th>l (mm)</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>138</td>
<td>1829025</td>
<td>8350-8</td>
</tr>
</tbody>
</table>
PLIERS RANGE

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  |  P  |  Code  |  No.
---  |  ---  |  -----  |  -----
10   |  .094 |  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  |  P  |  Code  |  No.
---  |  ---  |  -----  |  -----
8    |  .109 |  1829041 |  8351-1

8352-1
MINIATURE ELECTRONIC NEEDLE NOSE PLIERS

- Short, narrow, smooth jaws
- Surface phosphated

JL  |  L  |  Code  |  No.
---  |  ---  |  -----  |  -----
20   |  .090 |  1829068 |  8352-1

8352-2
MINIATURE ELECTRONIC FLAT NOSE PLIERS

- Long, narrow, smooth jaws

JL  |  L  |  Code  |  No.
---  |  ---  |  -----  |  -----
32   |  .094 |  1829076 |  8352-2

8352-3
MINIATURE ELECTRONIC NEEDLE NOSE PLIERS

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

JL  |  L  |  Code  |  No.
---  |  ---  |  -----  |  -----
35   |  .092 |  1829084 |  8352-3

8353-1
MINIATURE ELECTRONIC WIRE STRIPPING PLIERS

- Multipurpose tool for cutting, stripping and terminal crimping

JL  |  L  |  mm² |  AWG |  Code  |  No.
---  |  ---  |  ---  |  ---  |  -----  |  -----
35   |  152  |  0.092 |  1829084 |  8352-3

40   |  175  |  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>mm²</th>
<th>Ø</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>0.6</td>
<td>8353-2</td>
<td>828924</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>mm²</th>
<th>Ø</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-16</td>
<td>140</td>
<td>8353-3</td>
<td>828932</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>mm³</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>220</td>
<td>8354-1</td>
<td>828940</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</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.5-40</td>
<td>0.196</td>
<td>830856</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ø</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>
</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>
</tr>
<tr>
<td>Module insert with flat blade</td>
<td>0.02-10</td>
<td>34-8</td>
<td>1830813 8146-1</td>
</tr>
<tr>
<td>Module insert with round blade</td>
<td>4-16</td>
<td>10-5</td>
<td>1830821 8146-2</td>
</tr>
<tr>
<td>Module insert with V-blade</td>
<td>0.1-4</td>
<td>28-12</td>
<td>1830848 8146-3</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>
</tr>
</thead>
<tbody>
<tr>
<td>Stripping pliers incl. module insert 8146-1</td>
<td>0.25-2.5</td>
<td>6723510 8139-155 TC</td>
</tr>
<tr>
<td>Module insert with V-blade</td>
<td>0.002</td>
<td>1884727 E-8148</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

<table>
<thead>
<tr>
<th>Description</th>
<th>Ø mm</th>
<th>Code No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precision stripping tool 8148</td>
<td>2.5-11</td>
<td>1830864 8148</td>
</tr>
<tr>
<td>Spare blade</td>
<td>0.002</td>
<td>1884727 E-8148</td>
</tr>
</tbody>
</table>
Precision Crimp Wrenches

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>mm²</th>
<th>0.5-6</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>197</td>
<td>0,423</td>
<td>1830759</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>mm²</th>
<th>0.5-6</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>255</td>
<td>0,026</td>
<td>1830767</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
› Assymetrical press inserts for optimal termination
› The press inserts mark the connector, to allow the correct use of the tool to be checked
› Long handles enable double-handed use and effortless crimping

<table>
<thead>
<tr>
<th>mm²</th>
<th>AWG</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-25</td>
<td>12-3</td>
<td>2010313</td>
<td>8152</td>
</tr>
<tr>
<td>10-75</td>
<td>7-2/0</td>
<td>2010321</td>
<td>8153</td>
</tr>
</tbody>
</table>
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>0.552</td>
<td>2836823 8155</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; F 4.8; F 6.3 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>0.180</td>
<td>2836831 8156</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>0.180</td>
<td>2836858 8157</td>
</tr>
</tbody>
</table>
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
PLIERS RANGE

8140-01/-02
MODULE INSERT
for insulated terminals

8140-03/-04/-05
MODULE INSERT
for non-insulated terminals

8140-06/-07/-08
MODULE INSERT
for conductor end-sleeves

8140-09/-10/-11
MODULE INSERT
for flat plugs

<table>
<thead>
<tr>
<th>Code No.</th>
<th>mm²</th>
<th>AWG</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1830554</td>
<td>8140-01</td>
<td>0.075</td>
<td>0.1-0.4 + 4-6</td>
<td>26-22 + 12-10</td>
</tr>
<tr>
<td>1830562</td>
<td>8140-02</td>
<td>0.068</td>
<td>0.5-1.5 + 1.5-2.5</td>
<td>22-16 + 16-14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code No.</th>
<th>mm²</th>
<th>AWG</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1830560</td>
<td>8140-03</td>
<td>0.056</td>
<td>0.75-1.5-2.5</td>
<td>0.076</td>
</tr>
<tr>
<td>1830597</td>
<td>8140-05</td>
<td>0.056</td>
<td>0.5-2.5 + 4-6</td>
<td>22-14 + 12-10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code No.</th>
<th>mm²</th>
<th>AWG</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1830600</td>
<td>8140-06</td>
<td>0.056</td>
<td>0.25-10</td>
<td>26-18</td>
</tr>
<tr>
<td>1830619</td>
<td>8140-07</td>
<td>0.056</td>
<td>4-6-10</td>
<td>12-10-8</td>
</tr>
<tr>
<td>1830627</td>
<td>8140-08</td>
<td>0.056</td>
<td>35-50</td>
<td>2-0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code No.</th>
<th>mm²</th>
<th>AWG</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1830635</td>
<td>8140-09</td>
<td>0.072</td>
<td>2.8</td>
<td>0.1-1</td>
</tr>
<tr>
<td>1830643</td>
<td>8140-10</td>
<td>0.056</td>
<td>4.8</td>
<td>0.5-2.5</td>
</tr>
<tr>
<td>1830651</td>
<td>8140-11</td>
<td>0.080</td>
<td>6.3</td>
<td>0.5-6</td>
</tr>
</tbody>
</table>
**8140-12**
MODULE INSERT for optical waveguides

<table>
<thead>
<tr>
<th>Ø</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.52</td>
<td>5.41</td>
<td>3.84</td>
</tr>
<tr>
<td>.178</td>
<td>.213</td>
<td>.151</td>
</tr>
</tbody>
</table>

**8140-14**
MODULE INSERT for coax cables

<table>
<thead>
<tr>
<th>Connector type</th>
<th>Ø</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>RG 58, 59, 62, 71</td>
<td>1.69</td>
<td>5.41</td>
<td>6.48 mm</td>
</tr>
<tr>
<td>.067</td>
<td>.213</td>
<td>.255 in</td>
<td></td>
</tr>
</tbody>
</table>

**8140-16/-17**
MODULE INSERT for modular plugs

**8140-18**
MODULE INSERT for heavy connectors

<table>
<thead>
<tr>
<th>mm²</th>
<th>AWG</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>.014-4</td>
<td>26-12</td>
<td>0.056</td>
<td>1830732</td>
</tr>
</tbody>
</table>

**8140-20**
MODULE INSERT for lamellar contacts

- With seals 0.5 - 3.0 mm²

<table>
<thead>
<tr>
<th>mm²</th>
<th>AWG</th>
<th>Code</th>
<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>

**8140-23**
MODULE INSERT for Solarlok®

- 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>2.5 - 4 - 6</td>
<td>0.086</td>
<td>2078082</td>
<td>8140-23</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>
**PLIERS RANGE**

### 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>Code No.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>S 8140 A</td>
<td></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>Code No.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>S 8140 D</td>
<td></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>Code No.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>S 8140 E</td>
<td></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>Code No.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>S 8140 J</td>
<td></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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8140</td>
<td>1.589</td>
<td>1963279</td>
</tr>
</tbody>
</table>

RZB1-18CR
PLIERS SET
2 pieces + accessories

- In rugged plastic case

### Contents

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8141</td>
<td>1.480</td>
<td>1895249</td>
</tr>
<tr>
<td>8146</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

End-sleeves
0.50 0.75 1.00 1.50
2.50 4.00 6.00
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).
- Large contact surface for the safety ring stops it becoming twisted
- 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

**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

<table>
<thead>
<tr>
<th>Code No.</th>
<th>mm</th>
<th>Inch</th>
<th>( L )</th>
<th>( L_1 )</th>
<th>d</th>
<th>Weight</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8000 AE 0</td>
<td>3-10</td>
<td>5/32-3/8</td>
<td>144</td>
<td>39</td>
<td>0.9</td>
<td>0.090</td>
<td>2930633</td>
<td></td>
</tr>
<tr>
<td>8000 AE 1</td>
<td>10-25</td>
<td>3/8-1</td>
<td>145</td>
<td>39</td>
<td>1.3</td>
<td>0.095</td>
<td>2930668</td>
<td>8000 AE 1</td>
</tr>
<tr>
<td>8000 AE 2</td>
<td>19-60</td>
<td>3/4-2.3/8</td>
<td>183</td>
<td>57</td>
<td>1.8</td>
<td>0.180</td>
<td>2923602</td>
<td>8000 AE 2</td>
</tr>
<tr>
<td>8000 AE 3</td>
<td>40-100</td>
<td>1.5/8-4</td>
<td>230</td>
<td>68</td>
<td>2.3</td>
<td>0.310</td>
<td>2930676</td>
<td>8000 AE 3</td>
</tr>
<tr>
<td>8000 AE 4</td>
<td>85-140</td>
<td>3.3/8-5.1/2</td>
<td>332</td>
<td>95</td>
<td>3.2</td>
<td>0.590</td>
<td>2930684</td>
<td>8000 AE 4</td>
</tr>
</tbody>
</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 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

<table>
<thead>
<tr>
<th>Code No.</th>
<th>L x L2</th>
<th>d</th>
<th>Code No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-10</td>
<td>5/32-3/8</td>
<td>0.9</td>
<td>2910692</td>
</tr>
<tr>
<td>10-25</td>
<td>3/8-1</td>
<td>1.3</td>
<td>2910706</td>
</tr>
<tr>
<td>19-60</td>
<td>3/4-2,3/8</td>
<td>1.8</td>
<td>2910714</td>
</tr>
<tr>
<td>40-100</td>
<td>1.5-8-4</td>
<td>2.3</td>
<td>2910730</td>
</tr>
<tr>
<td>85-140</td>
<td>3.3-8-5,1/2</td>
<td>3.2</td>
<td>2910749</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Code No.</th>
<th>L x L2</th>
<th>d</th>
<th>Code No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,5-3,5</td>
<td>1,5-3,5</td>
<td>0.7</td>
<td>6700140</td>
</tr>
<tr>
<td>4,0-9,0</td>
<td>3,0-11,0</td>
<td>1.1</td>
<td>6700220</td>
</tr>
<tr>
<td>10,0-15,0</td>
<td>12,0-16,0</td>
<td>1.8</td>
<td>6700300</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Code No.</th>
<th>L x L2</th>
<th>d</th>
<th>Code No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,5-3,5</td>
<td>1,5-3,5</td>
<td>0.7</td>
<td>6700650</td>
</tr>
<tr>
<td>4,0-9,0</td>
<td>3,0-11,0</td>
<td>1.1</td>
<td>6700730</td>
</tr>
<tr>
<td>10,0-15,0</td>
<td>12,0-16,0</td>
<td>1.8</td>
<td>6700810</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Code No.</th>
<th>L x L2</th>
<th>d</th>
<th>Code No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-10</td>
<td>5/32-3/8</td>
<td>0.9</td>
<td>6701380</td>
</tr>
<tr>
<td>16-25</td>
<td>3/8-1</td>
<td>1.3</td>
<td>6701460</td>
</tr>
<tr>
<td>19-60</td>
<td>3/4-3,3/8</td>
<td>1.8</td>
<td>6701540</td>
</tr>
<tr>
<td>40-100</td>
<td>1.5-8-4</td>
<td>2.3</td>
<td>6701620</td>
</tr>
<tr>
<td>85-140</td>
<td>3.3-8-5,1/2</td>
<td>3.2</td>
<td>6701700</td>
</tr>
</tbody>
</table>
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

Forged GEDORE chrome-vanadium special hardened and tempered steel
Precision machined, oil hardened and annealed
Black, with red dipped handles

8000 A 02 - A 42
CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

> Similar to DIN 5254 Form B
> 45° angled tips
> With opening spring
> With clamping protection

Forged GEDORE chrome-vanadium special hardened and tempered steel
Precision machined, oil hardened and annealed
Black, with red dipped handles

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

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

---

** mec的手 **
Circlip pliers for internal retaining rings (bores)

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></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8-13</td>
<td>3/8-9/16</td>
<td>139</td>
<td>41</td>
<td>0.9</td>
</tr>
<tr>
<td>12-25</td>
<td>3/8-1</td>
<td>139</td>
<td>41</td>
<td>1.3</td>
</tr>
<tr>
<td>19-60</td>
<td>3/4-2.3/8</td>
<td>182</td>
<td>54</td>
<td>1.8</td>
</tr>
<tr>
<td>40-100</td>
<td>1.5/8-4</td>
<td>230</td>
<td>68</td>
<td>2.3</td>
</tr>
<tr>
<td>85-140</td>
<td>3.3/8-5.1/2</td>
<td>324</td>
<td>86</td>
<td>3.2</td>
</tr>
</tbody>
</table>

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>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8-13</td>
<td>3/8-9/16</td>
<td>141</td>
<td>41.0</td>
<td>0.9</td>
</tr>
<tr>
<td>12-25</td>
<td>3/8-1</td>
<td>141</td>
<td>41.0</td>
<td>1.3</td>
</tr>
<tr>
<td>19-60</td>
<td>3/4-2.3/8</td>
<td>183</td>
<td>54.0</td>
<td>1.8</td>
</tr>
<tr>
<td>40-100</td>
<td>1.5/8-4</td>
<td>230</td>
<td>68.0</td>
<td>2.3</td>
</tr>
<tr>
<td>85-140</td>
<td>3.3/8-5.1/2</td>
<td>322</td>
<td>84.5</td>
<td>3.2</td>
</tr>
</tbody>
</table>

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>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8-13</td>
<td>3/8-9/16</td>
<td>129</td>
<td>30</td>
<td>0.9</td>
</tr>
<tr>
<td>12-25</td>
<td>3/8-1</td>
<td>129</td>
<td>30</td>
<td>1.3</td>
</tr>
<tr>
<td>19-60</td>
<td>3/4-2.3/8</td>
<td>170</td>
<td>43</td>
<td>1.8</td>
</tr>
<tr>
<td>40-100</td>
<td>1.5/8-4</td>
<td>217</td>
<td>53</td>
<td>2.3</td>
</tr>
<tr>
<td>85-140</td>
<td>3.3/8-5.1/2</td>
<td>310</td>
<td>70</td>
<td>3.2</td>
</tr>
</tbody>
</table>
**8000 J02 - J42**

**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>
<th>d (mm)</th>
<th>3/8”-5/16</th>
<th>L1 (mm)</th>
<th>L2 (mm)</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-13</td>
<td>3/8</td>
<td>8</td>
<td>39.0</td>
<td>0.9</td>
<td>0.080</td>
<td>2014963</td>
</tr>
<tr>
<td>12-25</td>
<td>3/8</td>
<td>139</td>
<td>39.0</td>
<td>3.3</td>
<td>0.080</td>
<td>2014971</td>
</tr>
<tr>
<td>19-60</td>
<td>3/4-2 3/8</td>
<td>180</td>
<td>52.0</td>
<td>3.8</td>
<td>0.161</td>
<td>2014998</td>
</tr>
<tr>
<td>40-100</td>
<td>1.5/8-4</td>
<td>226</td>
<td>64.0</td>
<td>2.3</td>
<td>0.279</td>
<td>2015002</td>
</tr>
<tr>
<td>85-140</td>
<td>3.3/8-5 1/2</td>
<td>316</td>
<td>78.5</td>
<td>3.2</td>
<td>0.484</td>
<td>2015013</td>
</tr>
</tbody>
</table>

**8000 J4 - J6 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

<table>
<thead>
<tr>
<th>Code No.</th>
<th>d (mm)</th>
<th>3/8”-5/16</th>
<th>L1 (mm)</th>
<th>L2 (mm)</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>85-140</td>
<td>3.2</td>
<td>565</td>
<td>1.835</td>
<td>2011794</td>
<td>8000 J4 EL</td>
<td></td>
</tr>
<tr>
<td>122-300</td>
<td>3.5</td>
<td>565</td>
<td>1.836</td>
<td>6703750</td>
<td>8000 J5</td>
<td></td>
</tr>
<tr>
<td>252-400</td>
<td>4.5</td>
<td>575</td>
<td>1.846</td>
<td>6703830</td>
<td>8000 J6</td>
<td></td>
</tr>
</tbody>
</table>

**8000 J4 - J6 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>
<tr>
<th>Code No.</th>
<th>d (mm)</th>
<th>3/8”-5/16</th>
<th>L1 (mm)</th>
<th>L2 (mm)</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>85-140</td>
<td>3.2</td>
<td>565</td>
<td>1.835</td>
<td>2011794</td>
<td>E-8000 J4 EL</td>
<td></td>
</tr>
<tr>
<td>122-300</td>
<td>3.5</td>
<td>565</td>
<td>1.836</td>
<td>6703750</td>
<td>E-8000 J5</td>
<td></td>
</tr>
<tr>
<td>252-400</td>
<td>4.5</td>
<td>575</td>
<td>1.846</td>
<td>6703830</td>
<td>E-8000 J6</td>
<td></td>
</tr>
</tbody>
</table>

**8000 J41 - J61 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>
<tr>
<th>Code No.</th>
<th>d (mm)</th>
<th>3/8”-5/16</th>
<th>L1 (mm)</th>
<th>L2 (mm)</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>85-140</td>
<td>3.2</td>
<td>575</td>
<td>1.953</td>
<td>2011808</td>
<td>8000 J41 EL</td>
<td></td>
</tr>
<tr>
<td>122-300</td>
<td>3.5</td>
<td>575</td>
<td>1.953</td>
<td>6704720</td>
<td>8000 J51</td>
<td></td>
</tr>
<tr>
<td>252-400</td>
<td>4.5</td>
<td>579</td>
<td>1.934</td>
<td>6718510</td>
<td>8000 J61</td>
<td></td>
</tr>
</tbody>
</table>

**PLIERS RANGE**
Circlip pliers for retaining rings (parallel)

8005 A PLIERS FOR EXTERNAL RETAINING RINGS

- For shafts
- Supplied with four different clamping tips
- The circlip is securely clamped before removal by choosing a suitable distance between the clamping tips. This means that unnecessary plier movement is avoided, and the circlip may be opened completely. The special parallel movement of the clamping tips and their recesses in the direction of the pressure applied ensure that the circlip will be clamped firmly.
- For holes from 4.5 to 5.9 mm and rings from 305 to 500 mm
- Release lever for controlled slackening of the tension
- Paralleled jaws for the greatest possible safety and torsion-free clamping
- Ratcheting mechanism for easing the work of the user when clamping the retaining rings

8005 A
CIRCLIP PLIERS FOR EXTERNAL RETAINING RINGS

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

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 3 J and E-8005 4 J
- Opening widths 95-80 mm: Combination tips E-8005 5 J and E-8005 6 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.
- 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.

8005 A PLIERS FOR EXTERNAL RETAINING RINGS

Circlip pliers for retaining rings (parallel)
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>ø mm</th>
<th>ø 1 mm</th>
<th>ø 2 mm</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>252-1000</td>
<td>4.5</td>
<td>5.9</td>
<td>3.040</td>
<td>[E-8006]</td>
</tr>
</tbody>
</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>
<th>ø mm</th>
<th>ø 1 mm</th>
<th>ø 2 mm</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic body no. 1 with spare tip 5.9 mm Ø</td>
<td>0.080</td>
<td>1575333</td>
<td>E-8006 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basic body no. 2 with spare tip 5.9 mm Ø</td>
<td>0.080</td>
<td>1575341</td>
<td>E-8006 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basic body no. 3 with spare tip 4.5 mm Ø</td>
<td>0.117</td>
<td>1896245</td>
<td>E-8006 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basic body no. 4 with spare tip 4.5 mm Ø</td>
<td>0.117</td>
<td>1896253</td>
<td>E-8006 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spare tip 4.5 mm Ø</td>
<td>0.005</td>
<td>1896349</td>
<td>E-8006 X 4.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spare tip 5.9 mm Ø</td>
<td>0.005</td>
<td>1896350</td>
<td>E-8006 X 5.9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spindle with spindle bearing, 265 mm long</td>
<td>0.470</td>
<td>1910620</td>
<td>E-8006 X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Code No.

7.3 1896237 S 8006
Grip Wrenches

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

(*) 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>
<th>No.</th>
<th>185</th>
<th>7</th>
<th>25</th>
<th>1</th>
<th>0.288</th>
<th>6406620</th>
<th>137 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>130</td>
<td>137 10</td>
<td>10</td>
<td>12</td>
<td>45</td>
<td>1.3/4</td>
<td>0.526</td>
<td>6406790</td>
<td>137 10</td>
</tr>
<tr>
<td>260</td>
<td>137 11</td>
<td>11</td>
<td>45</td>
<td>1.3/4</td>
<td>0.790</td>
<td>6407270</td>
<td>137 11</td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>137 12</td>
<td>12</td>
<td>45</td>
<td>1.3/4</td>
<td>1.042</td>
<td>6406890</td>
<td>137 12</td>
<td></td>
</tr>
</tbody>
</table>

1500 ES-137

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

![Image of pliers with positive fit joint explanation]

The upper jaw section covers more than half of the screw head/nut. This produces a positive fit between grip wrench and screw/nut. The lower half of the jaw simply affords protection from any slipping from the screw/nut. The actual torque is transferred in the upper, positive locking zone.

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>255 0.667 2235403 137 10-18</td>
</tr>
<tr>
<td>19</td>
<td>255 0.600 2235411 137 10-19</td>
</tr>
<tr>
<td>20</td>
<td>258 0.623 2235438 137 10-20</td>
</tr>
<tr>
<td>21</td>
<td>258 0.620 2235446 137 10-21</td>
</tr>
<tr>
<td>22</td>
<td>260 0.630 2235454 137 10-22</td>
</tr>
<tr>
<td>24</td>
<td>253 0.642 2788349 137 10-24</td>
</tr>
<tr>
<td>27</td>
<td>258 0.645 2788357 137 10-27</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>190 0.324 2325314 137 7-10</td>
</tr>
<tr>
<td>11</td>
<td>7/16 190 0.321 2325322 137 7-11</td>
</tr>
<tr>
<td>12</td>
<td>195 0.329 2325330 137 7-12</td>
</tr>
<tr>
<td>13</td>
<td>195 0.326 2325349 137 7-13</td>
</tr>
<tr>
<td>14</td>
<td>198 0.345 2325357 137 7-14</td>
</tr>
<tr>
<td>15</td>
<td>19/32 198 0.346 2325365 137 7-15</td>
</tr>
<tr>
<td>16</td>
<td>5/8  250 0.593 2325373 137 10-16</td>
</tr>
<tr>
<td>17</td>
<td>250 0.587 2325381 137 10-17</td>
</tr>
</tbody>
</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>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>210</td>
<td>0.292</td>
<td>137 KR-7</td>
</tr>
<tr>
<td>255</td>
<td>0.540</td>
<td>137 KR-10</td>
</tr>
</tbody>
</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>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>0.292</td>
<td>137 P-7</td>
</tr>
<tr>
<td>280</td>
<td>0.790</td>
<td>137 MSP-8</td>
</tr>
</tbody>
</table>

136 BM
WIDE JAW GRIP WRENCH
- For clamping edges and surfaces
- 80 mm jaw width
- Nickel-plated

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>0.416</td>
<td>136 BM-6</td>
</tr>
</tbody>
</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>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>220</td>
<td>0.494</td>
<td>137 T-9</td>
</tr>
</tbody>
</table>
**PLIERS RANGE**

138

**WELDER'S GRIP WRENCH**

- For clamping strips and profile sections when welding
- Cast steel jaws

<table>
<thead>
<tr>
<th>Code No.</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6407350</td>
<td>138</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>0-25</th>
<th>0-80</th>
</tr>
</thead>
<tbody>
<tr>
<td>( \frac{1}{4} )</td>
<td>( \frac{1}{4} )</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code No.</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6407080</td>
<td>138</td>
</tr>
</tbody>
</table>

138 X

**WELDER'S GRIP WRENCH FOR TUBES**

- For clamping tubes and round stock when welding
- Cast steel jaws

<table>
<thead>
<tr>
<th>Code No.</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6407510</td>
<td>138</td>
</tr>
</tbody>
</table>

138 Y

**PROFILE-SECTION GRIP WRENCH**

- For clamping bulky profile and angle sections
- GEDORE special chrome-vanadium steel, nickel-plated
- Strong forged jaws

<table>
<thead>
<tr>
<th>Code No.</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6407860</td>
<td>138</td>
</tr>
</tbody>
</table>

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>
<thead>
<tr>
<th>Code No.</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2307227</td>
<td>136</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Code No.</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6410730</td>
<td>138</td>
</tr>
</tbody>
</table>

138 Z-460

<table>
<thead>
<tr>
<th>Code No.</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6410810</td>
<td>138</td>
</tr>
</tbody>
</table>

138 Z-600

<table>
<thead>
<tr>
<th>Code No.</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6410810</td>
<td>138</td>
</tr>
</tbody>
</table>

136 K

**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>
<thead>
<tr>
<th>Code No.</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2307227</td>
<td>136</td>
</tr>
</tbody>
</table>

136 K-105

<table>
<thead>
<tr>
<th>Code No.</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2307227</td>
<td>136</td>
</tr>
</tbody>
</table>
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>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2</td>
<td>4500060</td>
<td>100 1/2</td>
</tr>
<tr>
<td>1</td>
<td>4500140</td>
<td>100 1</td>
</tr>
<tr>
<td>1.1/2</td>
<td>4500220</td>
<td>100 1.1/2</td>
</tr>
<tr>
<td>2</td>
<td>4500300</td>
<td>100 2</td>
</tr>
<tr>
<td>3</td>
<td>4500490</td>
<td>100 3</td>
</tr>
</tbody>
</table>
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 | Code | L (mm) | Code | No.
--- | --- | --- | --- | ---
3/4 | 6437260 | 38 | 6437400 | 175 3/4
1 | 6437420 | 44 | 6437500 | 175 1
1.1/2 | 6437690 | 62 | 6437770 | 175 1.1/2
2 | 6437890 | 76 | 6438070 | 175 2
3 | 6437970 | 105 | 6438150 | 175 3
4 | 6438230 | 130 | 6438310 | 175 4

176
ELBOW PIPE WRENCH
ECK-SCHWEDE®

- 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 | Code | L (mm) | Code | No.
--- | --- | --- | --- | ---
3/4 | 6438070 | 38 | 6438150 | 176 3/4
1 | 6438230 | 44 | 6438310 | 176 1
1.1/2 | 6438390 | 62 | 6438580 | 176 1.1/2
2 | 6438520 | 76 | 6438700 | 176 2
3 | 6438780 | 105 | 6438970 | 176 3

9100 2K
PIECE 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 | 2C-handle | Code | No.
--- | --- | --- | ---
1/2 | 35 | 2530252 | 9100 2K 1/2
1 | x | 2530260 | 9100 2K 1
1.1/2 | x | 2530279 | 9100 2K 1.1/2
2 | 48 | 2530287 | 9100 2K 2
3 | 110 | 2530295 | 9100 2K 3
## PLIERS RANGE

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

**SET OF SPARES**

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

<table>
<thead>
<tr>
<th>No. 100</th>
<th>No. 175</th>
<th>No. 176</th>
<th>No. 9100</th>
<th>ácil.</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0.010</td>
<td>2133792</td>
<td>E-100 A 1/2</td>
</tr>
<tr>
<td>1</td>
<td>0.030</td>
<td>1682938</td>
<td>E-100 A 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.1/2</td>
<td>0.040</td>
<td>1737597</td>
<td>E-100 A 1.1/2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 + 3</td>
<td>0.070</td>
<td>1628984</td>
<td>E-100 A 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/4</td>
<td>0.010</td>
<td>5435000</td>
<td>E-175 A 3/4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>0.030</td>
<td>5435190</td>
<td>E-175 A 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.1/2</td>
<td>0.040</td>
<td>5435350</td>
<td>E-175 A 1.1/2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 + 3</td>
<td>0.025</td>
<td>2601311</td>
<td>E-9100 A 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>0.010</td>
<td>2601273</td>
<td>E-9100 A 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.1/2</td>
<td>0.012</td>
<td>2601281</td>
<td>E-9100 A 1.1/2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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 No.</th>
<th>1/2</th>
<th>1</th>
<th>1.1/2</th>
<th>2 + 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>225</td>
<td>10</td>
<td>33.5</td>
<td>1.3/8</td>
<td>2 + 3</td>
</tr>
<tr>
<td>225</td>
<td>12</td>
<td>42.0</td>
<td>1.3/4</td>
<td>1.1/2</td>
</tr>
<tr>
<td>225</td>
<td>14</td>
<td>48.0</td>
<td>1.7/8</td>
<td>1</td>
</tr>
<tr>
<td>225</td>
<td>18</td>
<td>60.0</td>
<td>2.1/2</td>
<td>2</td>
</tr>
<tr>
<td>225</td>
<td>24</td>
<td>75.5</td>
<td>3</td>
<td>1.1/2</td>
</tr>
<tr>
<td>225</td>
<td>36</td>
<td>102.0</td>
<td>4</td>
<td>1</td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>Code No.</th>
<th>1/2</th>
<th>1</th>
<th>1.1/2</th>
<th>2 + 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>227</td>
<td>8</td>
<td>38</td>
<td>1.1/2</td>
<td>2 + 3</td>
</tr>
<tr>
<td>227</td>
<td>10</td>
<td>48</td>
<td>1</td>
<td>2 + 3</td>
</tr>
<tr>
<td>227</td>
<td>14</td>
<td>60</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>227</td>
<td>18</td>
<td>76</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>227</td>
<td>24</td>
<td>89</td>
<td>3.1/2</td>
<td>5</td>
</tr>
</tbody>
</table>

### 152

**HIGH-SPEED PIPE WRENCH**

with screw adjuster

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

<table>
<thead>
<tr>
<th>L</th>
<th>L’</th>
<th>D</th>
<th>D’</th>
<th>Pipes</th>
<th>Sockets</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>178</td>
<td>7</td>
<td>35</td>
<td>1.1/8</td>
<td>1</td>
<td>3/4”</td>
<td>0.300</td>
<td>6419180</td>
</tr>
<tr>
<td>228</td>
<td>9</td>
<td>42</td>
<td>1.5/8</td>
<td>1</td>
<td>3/4”</td>
<td>0.531</td>
<td>6419160</td>
</tr>
<tr>
<td>281</td>
<td>11</td>
<td>61</td>
<td>2.3/8</td>
<td>2”</td>
<td>1.1/4”</td>
<td>0.851</td>
<td>6419440</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>L</th>
<th>L’</th>
<th>D</th>
<th>D’</th>
<th>Pipes</th>
<th>Sockets</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>315</td>
<td>12</td>
<td>74</td>
<td>2</td>
<td>2”</td>
<td>2.1/2”</td>
<td>1.838</td>
<td>6419520</td>
</tr>
<tr>
<td>360</td>
<td>14</td>
<td>90</td>
<td>3.9/16</td>
<td>3”</td>
<td>3.9/16</td>
<td>1.656</td>
<td>6419600</td>
</tr>
</tbody>
</table>
142
UNIVERSAL PLIERS

- Acc. to DIN ISO 8976 Form C
- With safety box joint and protection against blocking
- Fine adjustment
- 142 7 = 17 settings
- 142 10 = 15 settings
- 142 12 = 17 settings

- Single-hand push-button adjustment
- 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

<table>
<thead>
<tr>
<th>L₁</th>
<th>L₂</th>
<th>b</th>
<th>h</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>32</td>
<td>6.5</td>
<td>40</td>
<td>0.183</td>
<td>2668211</td>
</tr>
<tr>
<td>180</td>
<td>32</td>
<td>6.5</td>
<td>40</td>
<td>0.173</td>
<td>2668213</td>
</tr>
<tr>
<td>255</td>
<td>39</td>
<td>7.5</td>
<td>48</td>
<td>0.371</td>
<td>6416180</td>
</tr>
<tr>
<td>250</td>
<td>39</td>
<td>7.5</td>
<td>48</td>
<td>0.380</td>
<td>6416260</td>
</tr>
</tbody>
</table>

143
UNIVERSAL PLIERS

6 settings

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

<table>
<thead>
<tr>
<th>L₁</th>
<th>L₂</th>
<th>b</th>
<th>h</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>256</td>
<td>40</td>
<td>10.6</td>
<td>56</td>
<td>0.340</td>
<td>6410650</td>
</tr>
<tr>
<td>262</td>
<td>40</td>
<td>10.6</td>
<td>56</td>
<td>0.390</td>
<td>6415880</td>
</tr>
</tbody>
</table>

144
MECHANICS PLIERS

7 settings

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

<table>
<thead>
<tr>
<th>L₁</th>
<th>L₂</th>
<th>b</th>
<th>h</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>113</td>
<td>13</td>
<td>3.8</td>
<td>23</td>
<td>0.042</td>
<td>6411110</td>
</tr>
<tr>
<td>175</td>
<td>22</td>
<td>5.5</td>
<td>35</td>
<td>0.138</td>
<td>6411340</td>
</tr>
</tbody>
</table>
PLIERS RANGE

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>L₁</th>
<th>L₂</th>
<th>b</th>
<th>h</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>41</td>
<td>7.8</td>
<td>47</td>
<td>0.365</td>
<td>6412000</td>
</tr>
<tr>
<td>260</td>
<td>41</td>
<td>7.8</td>
<td>47</td>
<td>0.425</td>
<td>6415610</td>
</tr>
<tr>
<td>375</td>
<td>46</td>
<td>10.4</td>
<td>72</td>
<td>0.854</td>
<td>6412190</td>
</tr>
<tr>
<td>500</td>
<td>55</td>
<td>13.8</td>
<td>98</td>
<td>1.747</td>
<td>6412270</td>
</tr>
</tbody>
</table>

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>L₁</th>
<th>L₂</th>
<th>b</th>
<th>h</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>32.5</td>
<td>4.8</td>
<td>48</td>
<td>0.335</td>
<td>6413240</td>
</tr>
<tr>
<td>250</td>
<td>32.5</td>
<td>4.8</td>
<td>48</td>
<td>0.400</td>
<td>2672626</td>
</tr>
</tbody>
</table>

146 B
SPECIAL WATER PUMP PLIERS

- 5 settings

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

<table>
<thead>
<tr>
<th>L₁</th>
<th>L₂</th>
<th>b</th>
<th>h</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>45</td>
<td>8</td>
<td>55</td>
<td>0.485</td>
<td>6412510</td>
</tr>
</tbody>
</table>

9144
WATER PUMP PLIERS

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

<table>
<thead>
<tr>
<th>L₁</th>
<th>L₂</th>
<th>b</th>
<th>h</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>175</td>
<td>28</td>
<td>7.0</td>
<td>33</td>
<td>0.150</td>
<td>4533230</td>
</tr>
<tr>
<td>240</td>
<td>35</td>
<td>7.5</td>
<td>40</td>
<td>0.290</td>
<td>4533310</td>
</tr>
<tr>
<td>300</td>
<td>40</td>
<td>9.0</td>
<td>60</td>
<td>0.480</td>
<td>4533580</td>
</tr>
</tbody>
</table>
Chain Pipe Wrenches

120
CHAIN PIPE WRENCH BOSS

- Ideal for use in areas with restricted access
- Ratchet-type operation
- Plastic grip prevents hand from slipping off
- Handle in GEDORE special chrome-vanadium steel

- Drop forged
- Tempered, teeth additionally hardened
- Stove enamelled blue

<table>
<thead>
<tr>
<th>Size</th>
<th>Ø mm</th>
<th>a in inch</th>
<th>b in mm</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8-4</td>
<td>17-114</td>
<td>355</td>
<td>0.840</td>
<td>4502350</td>
<td>120000</td>
</tr>
</tbody>
</table>

E 120
SPARE CHAIN BOSS

<table>
<thead>
<tr>
<th>Size</th>
<th>Ø mm</th>
<th>a in inch</th>
<th>b in mm</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>450</td>
<td>0.320</td>
<td></td>
<td></td>
<td>4535280</td>
<td>120200</td>
</tr>
</tbody>
</table>

122
CHAIN PIPE WRENCH

American pattern

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

<table>
<thead>
<tr>
<th>Size</th>
<th>Ø mm</th>
<th>a in inch</th>
<th>b in mm</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8-2</td>
<td>10-60</td>
<td>20</td>
<td>510</td>
<td>2.5</td>
<td>4535360</td>
</tr>
<tr>
<td>1/4-3</td>
<td>13-89</td>
<td>28</td>
<td>710</td>
<td>4.0</td>
<td>4535440</td>
</tr>
<tr>
<td>3/4-4</td>
<td>37-114</td>
<td>37</td>
<td>940</td>
<td>6.6</td>
<td>4502430</td>
</tr>
<tr>
<td>1-6</td>
<td>33-168</td>
<td>43</td>
<td>1090</td>
<td>9.1</td>
<td>4502510</td>
</tr>
<tr>
<td>1.1/2-8</td>
<td>48-219</td>
<td>50</td>
<td>1275</td>
<td>13.0</td>
<td>4548340</td>
</tr>
<tr>
<td>2-12</td>
<td>60-324</td>
<td>63</td>
<td>1600</td>
<td>22.1</td>
<td>4548420</td>
</tr>
</tbody>
</table>

E 122
SPARE CHAIN

<table>
<thead>
<tr>
<th>Size</th>
<th>Ø mm</th>
<th>a in inch</th>
<th>b in mm</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8-2</td>
<td>380</td>
<td>0.725</td>
<td>4548500</td>
<td>122202</td>
<td></td>
</tr>
<tr>
<td>1/4-3</td>
<td>490</td>
<td>0.950</td>
<td>4548690</td>
<td>122203</td>
<td></td>
</tr>
<tr>
<td>3/4-4</td>
<td>610</td>
<td>1.410</td>
<td>4548770</td>
<td>122204</td>
<td></td>
</tr>
<tr>
<td>1-6</td>
<td>850</td>
<td>2.200</td>
<td>4548850</td>
<td>122206</td>
<td></td>
</tr>
<tr>
<td>1.1/2-8</td>
<td>1080</td>
<td>3.300</td>
<td>4549030</td>
<td>122208</td>
<td></td>
</tr>
<tr>
<td>2-12</td>
<td>1450</td>
<td>5.740</td>
<td>4549070</td>
<td>122212</td>
<td></td>
</tr>
</tbody>
</table>

E 122
SPARE JAWS (PAIR)

<table>
<thead>
<tr>
<th>Size</th>
<th>Ø mm</th>
<th>a in inch</th>
<th>b in mm</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8-2</td>
<td>0.340</td>
<td></td>
<td></td>
<td>4549150</td>
<td>122302</td>
</tr>
<tr>
<td>1/4-3</td>
<td>1.030</td>
<td></td>
<td></td>
<td>4549230</td>
<td>122303</td>
</tr>
<tr>
<td>3/4-4</td>
<td>1.520</td>
<td></td>
<td></td>
<td>4549310</td>
<td>122304</td>
</tr>
<tr>
<td>1-6</td>
<td>2.100</td>
<td></td>
<td></td>
<td>4549580</td>
<td>122306</td>
</tr>
<tr>
<td>1.1/2-8</td>
<td>2.640</td>
<td></td>
<td></td>
<td>4549660</td>
<td>122308</td>
</tr>
<tr>
<td>2-12</td>
<td>4.450</td>
<td></td>
<td></td>
<td>4549740</td>
<td>122312</td>
</tr>
</tbody>
</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.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>197957</td>
<td>8385</td>
<td></td>
<td></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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2003481</td>
<td>8386</td>
<td></td>
</tr>
</tbody>
</table>

304  
SEAMING PLIERS

straight pattern

- Straight pattern
- Forged

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>4508550</td>
<td>304060</td>
<td></td>
</tr>
</tbody>
</table>

305  
SEAMING PLIERS

bent pattern

- Bent pattern, bending angle 45°
- Forged

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>4508630</td>
<td>305060</td>
<td></td>
</tr>
</tbody>
</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

8340

- With a cut, soft, medium-hard or hard wires up to 4 mm Ø are separated
- The gliding ahead of the cutting material is prevented by two one-sided micro-grooves and thus is always stays in optimal cutting position

8340 Z

- With two cuts, soft, medium-hard or hard wires from 4 to 6 mm Ø are separated
- The extra cutting edge (1) serves as first cut for thick bolts and engravings them deeply
- In the second step, the main cutting edge (2) cuts through the bolt completely

8340 BOLT CUTTER

- Compact power bolt cutter with a particularly effective cutting performance
- 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, with blue dipped handle protectors
- Model TL = steel-grey, with blue dipped handle protectors

8340 Z BOLT CUTTER

- Compact power bolt cutter with a particularly effective cutting performance
- Precision cutting edges for soft wire up to Ø 6.0 mm, hard wire up to Ø 5.5 mm and piano wire up to Ø 3.8 mm
- Model JL = steel-grey, with blue dipped handle protectors
- Model TL = steel-grey, with blue dipped handle protectors

8340-200 JL

8340-200 TL

8340 Z-200 JL

8340 Z-200 TL

<table>
<thead>
<tr>
<th>mm</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>0.389</td>
<td>2541300 8340-200 JL</td>
</tr>
<tr>
<td>200</td>
<td>0.338</td>
<td>2541289 8340-200 TL</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>mm</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>0.389</td>
<td>2666324 8340 Z-200 JL</td>
</tr>
<tr>
<td>200</td>
<td>0.338</td>
<td>2666316 8340 Z-200 TL</td>
</tr>
</tbody>
</table>

- The effective force multiplication ratio of 1:30 results of the joint-near use of the cutting edge
- Here the lever ratio of hand to cutting force is optimal
- A gliding ahead from this cutting position is prevented by the micro-grooves resp. the additional cutting edge
- 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 engravings them deeply
- In the second step, the main cutting edge cuts through the bolt completely
**8178**

**BOLT CUTTER**

- Acc. to DIN ISO 5743
- Double cam bolt adjustment
- Cutting head replaceable
- Cutters from chrome-vanadium steel
- Max. cutting performance 48 HRC

<table>
<thead>
<tr>
<th>max.</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>1.680</td>
<td>8178-460</td>
</tr>
<tr>
<td>7</td>
<td>2.460</td>
<td>8178-620</td>
</tr>
<tr>
<td>8</td>
<td>4.700</td>
<td>8178-780</td>
</tr>
<tr>
<td>9</td>
<td>5.000</td>
<td>8178-900</td>
</tr>
</tbody>
</table>

**E-8178**

**SPARE CUTTING HEAD**

<table>
<thead>
<tr>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2675196</td>
<td>E-8178-460</td>
</tr>
<tr>
<td>2675218</td>
<td>E-8178-620</td>
</tr>
<tr>
<td>2675226</td>
<td>E-8178-780</td>
</tr>
<tr>
<td>2675234</td>
<td>E-8178-900</td>
</tr>
</tbody>
</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

<table>
<thead>
<tr>
<th>max.</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 / 2x8</td>
<td>3.500</td>
<td>8179-900</td>
</tr>
</tbody>
</table>

**E-8179**

**SPARE CUTTING HEAD**

<table>
<thead>
<tr>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2675242</td>
<td>E-8179-900</td>
</tr>
</tbody>
</table>

**Blacksmith’s tongs**

**230**

**BLACKSMITH’S TONGS**

- Flat nosed

<table>
<thead>
<tr>
<th>for workpieces</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 mm</td>
<td>8842510</td>
<td>230-300</td>
</tr>
<tr>
<td>8 mm</td>
<td>8842780</td>
<td>230-400</td>
</tr>
<tr>
<td>10 mm</td>
<td>8842860</td>
<td>230-500</td>
</tr>
<tr>
<td>14 mm</td>
<td>8842940</td>
<td>230-600</td>
</tr>
</tbody>
</table>

**231**

**BLACKSMITH’S TONGS**

- Round nosed

<table>
<thead>
<tr>
<th>for workpieces</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 mm</td>
<td>8843590</td>
<td>231-400</td>
</tr>
<tr>
<td>16 mm</td>
<td>8843670</td>
<td>231-500</td>
</tr>
</tbody>
</table>

**233**

**BLACKSMITH’S TONGS**

- Wolf’s jaw

<table>
<thead>
<tr>
<th>for workpieces</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 mm</td>
<td>8845290</td>
<td>233-300</td>
</tr>
<tr>
<td>8 - 10 mm</td>
<td>8845290</td>
<td>233-400</td>
</tr>
<tr>
<td>12 mm</td>
<td>8845370</td>
<td>233-500</td>
</tr>
</tbody>
</table>

**GEDORE**

8178 + 8179

- A GEDORE safety “extra” – Cutting power to Tensile strength
  - 19 HRC = 740 N / mm² Tensile strength
  - 40 HRC = 1590 N / mm² Tensile strength
  - 48 HRC = 1950 N / mm² Tensile strength

**Blacksmith’s tongs**
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

**S 8003 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>8132-160 JC</td>
<td>0.766</td>
<td>6701110 S 8003 JC</td>
</tr>
<tr>
<td>8250-180 JC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8316-160 JC</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Contents</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8132-160 TL</td>
<td>0.642</td>
<td>6755470 S 8003 TL</td>
</tr>
<tr>
<td>8250-180 TL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8316-160 TL</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PLIERS RANGE

S 8200 JC
PLIERS SET
4 pieces

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

<table>
<thead>
<tr>
<th>Contents</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8098-160 JC</td>
<td>8250-180 JC</td>
<td>0,927</td>
</tr>
<tr>
<td>8132-160 JC</td>
<td>8314-160 JC</td>
<td></td>
</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>
<thead>
<tr>
<th>Contents</th>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>142 10 JC</td>
<td>6703160</td>
<td>S 8303 JC</td>
</tr>
<tr>
<td>8250-180 JC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8316-160 JC</td>
<td></td>
<td></td>
</tr>
</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>6703910</td>
<td>S 8303 TL</td>
</tr>
<tr>
<td>8250-180 TL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8316-160 TL</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**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>
</tr>
</thead>
<tbody>
<tr>
<td>8098-160 JC</td>
<td>1,740</td>
</tr>
<tr>
<td>8120-160 JC</td>
<td>1708155</td>
</tr>
<tr>
<td>8122-160 JC</td>
<td>1101-002</td>
</tr>
</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>
</tr>
</thead>
<tbody>
<tr>
<td>8132-160 JC</td>
<td>0.940</td>
</tr>
<tr>
<td>8250-180 JC</td>
<td>1692305</td>
</tr>
<tr>
<td>8316-160 JC</td>
<td>1102-003</td>
</tr>
</tbody>
</table>

---

**1102-007**

**PLIERS SET**

3 pieces

- Practical set composition
- JC = chrome-plated, with 2-component handles
- In GEDORE i-BOXX® 72 no. 1102 L
- Dimensions: W 260 x D 155 x H 63 mm

**Contents**

<table>
<thead>
<tr>
<th>Code</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8132-200 JC</td>
<td>1,201</td>
</tr>
<tr>
<td>8314-180 JC</td>
<td>2951789</td>
</tr>
<tr>
<td>142 TL</td>
<td>1102-007</td>
</tr>
</tbody>
</table>

---

**1102-008**

**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>
</tr>
</thead>
<tbody>
<tr>
<td>8316-160 JC</td>
<td>0.977</td>
</tr>
<tr>
<td>8133-200 JC</td>
<td>2951797</td>
</tr>
<tr>
<td>142 TL</td>
<td>1102-008</td>
</tr>
</tbody>
</table>
### PLIERS RANGE

#### 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  

![Set of circlip pliers](image1)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8000 A 2 A 21</td>
<td>0.756</td>
<td>6701030</td>
<td>S 8000</td>
</tr>
<tr>
<td>8000 J 2 J 21</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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  

![Set of circlip pliers](image2)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8000 A 1 A 21 8000 J 2 J 22</td>
<td>1.082</td>
<td>6700490</td>
<td>S 8008</td>
</tr>
</tbody>
</table>

**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  

![Set of circlip pliers](image3)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8000 A 1 A 2 8000 J 1 J 2</td>
<td>0.597</td>
<td>6703080</td>
<td>S 8100</td>
</tr>
</tbody>
</table>

**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  

![Set of circlip pliers](image4)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8000 A 2 A 22 8000 J 2 J 22</td>
<td>0.756</td>
<td>2148684</td>
<td>S 8024</td>
</tr>
</tbody>
</table>
**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

**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®-BOX® 72, with transparent cover for getting an immediate impression
- Dimensions: W 367 x D 316 x H 72 mm

**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®-BOX® Mini, incl. divider set
- Dimensions: W 260 x D 155 x H 63 mm

**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®-BOX® 72, with transparent cover for getting an immediate impression
- Dimensions: W 367 x D 316 x H 72 mm

Contents | Code | No.
---|---|---
S 8028 | 1.082 | 214692
8000 A 1 A 11 A 2 A 21
8000 J 1 J 11 J 2 J 21

Contents | Code | No.
---|---|---
1101-001 | 1.550 | 1692275
8000 A 1 A 12 A 2 A 22
8000 J 1 J 12 J 2 J 22

Contents | Code | No.
---|---|---
1102-001 | 1.220 | 1692283
8000 A 2 A 21
8000 J 2 J 21

Contents | Code | No.
---|---|---
1101-004 | 1.550 | 2148706
8000 A 1 A 12 A 2 A 22
8000 J 1 J 12 J 2 J 22