TH135-60 Hydraulic grip

- Clamping force 60kN/315bar
- Single acting cylinder
  Max stroke: 15mm
- Standard temperature range: 10°C - +70°C
  (T100: -30°C~100°C or T200: +10°C~200°C)
- Hydraulic connection: 1/4”
- Body: Steel, manganese phosphate coating
  or nickel-plated
- Weight: ~15kg each (without jaws)
- Scope of supply: 1 pair

Jaw faces for TH135-60: Scope of supply: 1 set = 4 jaw faces

**Blank (smooth) jaws**
- Suitable for own further treatments.
- Steel blanks without coating

**Pyramid (serrated, cross cut) jaws**
- Hardened steel 58 HRC
- Manganese phosphate coating
- Pyramids 1.2x45°

**V-jaws**
- All kinds of round samples
- Hardened steel 58 HRC
- Manganese phosphate coating
- Tooth pitch 1.2 mm

**Wave jaws (corrugated)**
- Wave 8 mm
- Hardened steel 58 HRC
- Manganese phosphate coating

**Diamond coated jaws**
- Nickel plated jaw faces
- Clamping surface coated with synthetic diamonds D91 (170/200 mesh)

**Diamond coated V-jaws**
- Notch sensitive round samples
- Hardened steel 58 HRC, nickel plated
- Clamping surface coated with synthetic diamonds D91 (170/200 mesh)

<table>
<thead>
<tr>
<th>Item number</th>
<th>Clamping surface</th>
<th>Clamping surface H x B</th>
<th>Opening</th>
<th>Weight/1 pair</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH135-60-B</td>
<td>Blank jaw faces</td>
<td>60 x 66mm</td>
<td>0 - 30 mm</td>
<td>~ 1.2 kg</td>
</tr>
<tr>
<td>TH135-60-BF</td>
<td>Pyramid jaw faces</td>
<td>60 x 66mm</td>
<td>0 - 30 mm</td>
<td>~ 1.2 kg</td>
</tr>
<tr>
<td>TH135-60-BV</td>
<td>V-jaws</td>
<td>Clamping height 60mm</td>
<td>8 - 30 mm</td>
<td>~ 1.2 kg</td>
</tr>
<tr>
<td>TH135-60-BW</td>
<td>Wave jaw faces</td>
<td>60 x 66mm</td>
<td>0 - 20 mm</td>
<td>~ 1.2 kg</td>
</tr>
<tr>
<td>TH135-60-BD</td>
<td>Diamond coated jaws</td>
<td>60 x 66mm</td>
<td>0 - 30 mm</td>
<td>~ 1.2 kg</td>
</tr>
<tr>
<td>TH135-60-BDV</td>
<td>Diamond coated V-jaws</td>
<td>Clamping height 60mm</td>
<td>8 - 30 mm</td>
<td>~ 1.2kg</td>
</tr>
<tr>
<td>TH135-60-B210</td>
<td>Blank jaw faces</td>
<td>70 x 210 mm</td>
<td>0 - 10 mm</td>
<td>~ 6.7 kg</td>
</tr>
<tr>
<td>TH135-60-BW210</td>
<td>Wave jaw faces</td>
<td>70 x 210 mm</td>
<td>0 - 10 mm</td>
<td>~ 6.7 kg</td>
</tr>
</tbody>
</table>

Additional jaws (dimensions and surface coatings) available on request

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TH135-60
Nickel-plated version

Accessories:

TH135-P2
Air hydraulic pump
Max pressure: 350 bar, pressure ratio air/hydraulic 1:61
2 valves for separate switching of the grips (opening, closing)
Remote control with 2 switches: +12V; 0.1 A
Dimensions LxWxH: 315mm x 250mm x 500mm; weight ~25 kg

TH135-P2-G-a
Air hydraulic pump similar to TH135-P2 including:
- Housing for noise reduction
- Analogue pressure transducer: analogue signal 1-10 V to adjust the damping pressure
  from 40 to 400 bar
Dimensions LxWxH: 720mm x 360mm x 630mm; weight: ~38 kg

TH135-P2-2-G-a
Air hydraulic pump similar to TH135-P2 including:
- 4 valves to lock the jaws at any required position
- Housing for noise reduction
- Analogue pressure transducer: analogue signal 1-10 V to adjust the damping pressure
  from 40 to 400 bar
Dimensions LxWxH: 720mm x 360mm x 630mm; weight: ~50 kg