PNEUMATIC GRIPS
Small universal pneumatic grips with quick clamping action to test foils, textiles, paper, etc. Pneumatic piston 50 mm Ø 
Manually adjustable counter jaws

Also available as manual vise grip, see TH56k data sheet

<table>
<thead>
<tr>
<th>Item no.:</th>
<th>TH56k+Ko</th>
<th>TH56k+2Ko</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clamping force:</td>
<td>1.2 kN at 7 bar</td>
<td></td>
</tr>
<tr>
<td>Jaw opening:</td>
<td>0-10 mm depending on jaws (see p. 2)</td>
<td></td>
</tr>
<tr>
<td>Coupling:</td>
<td>AF159 or AF20</td>
<td>Further couplings on request</td>
</tr>
<tr>
<td>Pneumatic connection:</td>
<td>M5 internal thread</td>
<td></td>
</tr>
<tr>
<td>Body:</td>
<td>Anodized aluminium</td>
<td></td>
</tr>
<tr>
<td>Temperature range:</td>
<td>0 ... +70°C</td>
<td>Further temperature ranges on request</td>
</tr>
<tr>
<td>Weight per grip</td>
<td>1.02 kg (TH56k+Ko)</td>
<td>1.42 kg (TH56k+2Ko)</td>
</tr>
<tr>
<td>without jaws:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scope of supply:</td>
<td>1 pair of grips without jaws</td>
<td></td>
</tr>
</tbody>
</table>
Jaws for TH56k+Ko and TH56k+2Ko

Scope of delivery 1 set = 4 jaws

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Surface</th>
<th>Clamping surface</th>
<th>Opening</th>
<th>Weight per pair</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH56k-B</td>
<td>Blank jaws</td>
<td>30 x 30 mm</td>
<td>0 – 10 mm</td>
<td>0,13 kg</td>
</tr>
<tr>
<td>TH56k-BG</td>
<td>Rubber-coated jaws</td>
<td>30 x 30 mm</td>
<td>0 – 8 mm</td>
<td>0,13 kg</td>
</tr>
<tr>
<td>TH56k-BP</td>
<td>Pyramid (serrated)jaws</td>
<td>30 x 30 mm</td>
<td>0 – 10 mm Ø</td>
<td>0,12 kg</td>
</tr>
<tr>
<td>TH56k-BV2</td>
<td>V jaws</td>
<td>30 x 30 mm</td>
<td>2 – 10 mm Ø</td>
<td>0,13 kg</td>
</tr>
<tr>
<td>TH56k-BV3</td>
<td>V jaws</td>
<td>30 x 30 mm</td>
<td>3 – 10 mm Ø</td>
<td>0,13 kg</td>
</tr>
<tr>
<td>TH56k-BW</td>
<td>Wave jaws</td>
<td>30 x 30 mm</td>
<td>0 – 10 mm</td>
<td>0,12 kg</td>
</tr>
<tr>
<td>TH56k-BD</td>
<td>Diamond jaws</td>
<td>30 x 30 mm</td>
<td>0 – 10 mm</td>
<td>0,13 kg</td>
</tr>
<tr>
<td>TH56k-BLC</td>
<td>Line contact jaws*</td>
<td>30 x 30 mm</td>
<td>0 – 6 mm</td>
<td>0,13 kg</td>
</tr>
</tbody>
</table>

*Scope of delivery TH56k-BLC: 1 set = 2 x TH56k-BG + 2 x TH56k-BLC jaws

**Blank (smooth) jaws**
- Suitable for own further treatments
- Nickel-plated

**Rubber-coated jaws**
- 1 mm rubber coating (NBR)
- Nickel-plated

**Pyramid (serrated) jaws**
- Hardened steel 58HRC
- Nickel-plated

**Wave jaws**
- For flexible materials
- Wave 5 mm
- Hardened steel 58HRC
- Nickel-plated

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

**V-jaws TH56k-BV2**
- For all kinds of round samples
- Tooth pitch 0.8 mm
- Hardened steel 58HRC
- Nickel-plated

**V jaws TH56k-BV3**
- For round samples of larger diameter
- Tooth pitch 1 mm
- Hardened steel 58HRC
- Nickel-plated

**Insert jaws**
Quick change system. Insert jaws require carriers (TH56k-GT30)
Scope of delivery 1 set = 4 jaws

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<tr>
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<th>Opening</th>
<th>Weight per pair</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH56k-GT30</td>
<td>Carrier</td>
<td>-</td>
<td>-</td>
<td>0,09 kg</td>
</tr>
<tr>
<td>TH56k-EB</td>
<td>Blank insert jaws</td>
<td>30 x 30 mm</td>
<td>0-7 mm</td>
<td>0,05 kg</td>
</tr>
<tr>
<td>TH56k-EBG</td>
<td>Rubber insert jaws</td>
<td>30 x 30 mm</td>
<td>0-5 mm</td>
<td>0,06 kg</td>
</tr>
<tr>
<td>TH56k-EBP</td>
<td>Pyramid insert jaws</td>
<td>30 x 30 mm</td>
<td>0-7 mm</td>
<td>0,05 kg</td>
</tr>
<tr>
<td>TH56k-EBW</td>
<td>Wave insert jaws</td>
<td>30 x 30 mm</td>
<td>0-7 mm</td>
<td>0,05 kg</td>
</tr>
<tr>
<td>TH56k-EBD</td>
<td>Diamond insert jaws</td>
<td>30 x 30 mm</td>
<td>0-7 mm</td>
<td>0,06 kg</td>
</tr>
</tbody>
</table>

Jaws with other dimensions and surface coatings on request

**Examples for customized solutions:**

- TH56k-BG20x20
- TH56k-BP0.5x45
- TH56k-BP20x30
- TH56k-BTe

Teflon coating

All specifications subject to change without prior notice.
Accessories:

TH205-1  Foot pedals
None locking: The jaws of the grip open by pressing the foot pedal and close after removing the foot from the pedal.
Scope of delivery: 1 pair of foot switches including tubes and fittings

TH205-2  Foot pedals
With locking function: The jaws of the grip open by pressing the foot pedal and remain opened after removing the foot from the pedal. The jaws close by pressing the pedal one more time.
Scope of delivery: 1 pair of foot switches including tubes and fittings

TH205-PR16bar  Pressure regulator
Optional for TH205-1 or TH205-2
To adjust air pressure: 1-16 bar

TH205-3  Hand switches
With locking function: The jaws of the grip close by pulling the handle and remain closed. The jaws open by pushing the handle back.
Scope of delivery: 1 unit of hand switches including tubes and fittings

TH205-4-M5  Hand switches
Pneumatic micro – hand switches, tubes and fittings, M5 connection
With locking function: The hand switches are directly installed at the grips, 3/2 directional valve.
Only for single action rods with spring inside.
Scope of supply: 2 hand switches including tubes and fittings

TH216  Silent compressor for laboratories, oil-lubricated, with pressure reducer
Max pressure 16 bar; 230 V/50 HZ; noise level: 38 dB(A)
Motor: 0.13 kW; displacement: 17 l/min; tank size 3.5 l
Dimensions: 340x290x340 mm (L x W x H); weight 18 kg

26.01.201901

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