PNEUMATIC GRIP 30 kN

Strong pneumatic lever action grip. A pneumatic cylinder in the grip produces 30 kN clamping force at 7 bar air pressure. If needed, air pressure can be increased up to 16 bar by using TH216 compressor (see Pneumatic accessories, page 5). The counter jaw is adjusted by a screw handle and can be adjusted asymmetrically, when necessary.

TH126 grips are supplied in pairs, but can also be ordered as a single grip (0.5 pair). Grips and jaws need to be ordered separately.

**Item no.:** TH126  
Clamping force: 30 kN/7 bar (60 kN/16 bar)  
Temperature range: 0°C … +70°C  
Body: Aluminum, anodized  
Pneumatic connection: 1/8”  
Weight: 10 kg each grip (without jaws)  
Scope of delivery: 1 pair of grips (without jaws)
**Jaws for TH126** Scope of delivery: 1 set = 4 jaws

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Surface</th>
<th>Clamping surface H x W</th>
<th>Opening [mm]</th>
<th>Weight per pair</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH126-B</td>
<td>Blank (smooth)</td>
<td>40 x 120 mm</td>
<td>0-12; 5-17; 10-22</td>
<td>1.08 kg</td>
</tr>
<tr>
<td>TH126-BG</td>
<td>Rubber-coated</td>
<td>40 x 120 mm</td>
<td>0-10; 3-15; 8-20</td>
<td>1.09 kg</td>
</tr>
<tr>
<td>TH126-BP</td>
<td>Pyramid (serrated)</td>
<td>40 x 120 mm</td>
<td>0-12; 5-17; 10-22</td>
<td>1.04 kg</td>
</tr>
<tr>
<td>TH126-BV</td>
<td>V jaw for round samples</td>
<td>40 x 120 mm</td>
<td>Ø 6-17; Ø 12-22</td>
<td>0.83 kg</td>
</tr>
<tr>
<td>TH126-BW</td>
<td>Wave</td>
<td>40 x 120 mm</td>
<td>0-12; 7-17; 12-22</td>
<td>1.02 kg</td>
</tr>
<tr>
<td>TH126-BD</td>
<td>Diamond grit</td>
<td>40 x 120 mm</td>
<td>0-12; 5-17; 10-22</td>
<td>1.08 kg</td>
</tr>
<tr>
<td>TH126-BW200</td>
<td>Wave</td>
<td>60 x 200 mm</td>
<td>0-12; 5-17; 10-22</td>
<td>3.61 kg</td>
</tr>
<tr>
<td>TH126-BW210</td>
<td>Wave</td>
<td>60 x 210 mm</td>
<td>0-12; 5-17; 10-22</td>
<td>3.76 kg</td>
</tr>
</tbody>
</table>

Jaw opening can be modified to customer’s requirements in 1 mm increments depending on jaw type. Please indicate this in your order.

Jaws with other dimensions and surfaces are possible on request.

**Jaw surfaces**

- TH126-B: Untreated blank steel without coating suitable for further modifications
- TH126-BG: Rubber coating 1 mm thick (NBR)
- TH126-BP: Pyramid serrated 1.2x45° Hardened steel
- TH126-BV: V jaws for round samples with 1.2 mm pitch Hardened steel
- TH126-BW: Wave width 5 mm Hardened steel
- TH126-BD: Synthetic diamond grit

**Examples for customized solutions**

- TH126-BP20x120: Pyramid (serrated jaws) 20 x 200 mm
- TH126-80x250-NK: Needle jaws, 80 x 250 mm
- TH126-GT carrier
  TH126-EBB (smooth) and TH126-EBP (serrated) insert jaws
- TH126-BW210: 210 x 60 mm
  Perfect for use with textiles, leather paper, foils
Jaw opening can be modified by using different rods to 0-12 mm or 8-22 mm. Max. opening is 22 mm.

How to change rods
https://youtu.be/8ONkw-tI034

TH126-CLx
Alternatively, adjustable cylinder can be used to change start position of a pneumatic jaw.
TH126

Videos

TH126+BP
http://youtu.be/-h-osLs7Dg

Teflon-coated laminated membrane
http://www.youtube.com/watch?v=MPnCUKgeJic

Pet ribbon
http://www.youtube.com/watch?v=AtlItkFXc0

Rubber
http://www.youtube.com/watch?v=l3928LeEDPw

Felt tensile test under angle
http://www.youtube.com/watch?v=GZq1XtvVmwq

Carbon fiber sample 20x.2 mm
http://www.youtube.com/watch?v=mNFhCrRaDqU

Hard plastic sample test with TH126+BP at 5 bar
http://youtu.be/Iw4gYji_u-w

Textile test at 6600 N at 7 bar
http://youtu.be/LSdCZf-JgR8

TH126+BW200: Wave jaws 60 x 200 mm, test with carpet sample
Pneumatic 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 1/8" Hand switches with 1/8" connection**
With locking function (see TH205-3)
The hand switches are directly mounted at the grips. 3/2 directional valve
Scope of supply: 2 hand switches including tubes and fittings
If ordered together with grips, hand switches will be mounted directly on the grips.

**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