PNEUMATIC GRIPS

Pneumatic Lever Grip 4 kN

Lever-amplified pneumatic grip for metals, plastics, foils and textiles



OVERVIEW

A pneumatic grip with an internal lever that amplifies piston force to 4 kN clamping at 7 bar, or 10 kN at 16 bar. One jaw moves 7 mm, and exchangeable rods extend the opening range to 30 mm. Solid and quick-change insert jaws up to 200 mm wide suit metals, plastics, wood, foils, textiles and braids.

KEY FEATURES

- Lever mechanism gives 4 kN clamping at 7 bar, 10 kN at 16 bar
- Opening ranges 0–10, 10–20 and 20–30 mm with included rods
- Solid jaws in 60, 100 and 200 mm widths
- Quick-change insert jaws with 60 mm and 100 mm carriers
- Jaws rated -70 to +180 °C for chamber use, depending on face
- Water-cooled wave jaws available for bitumen sheeting

TECHNICAL SPECIFICATIONS

Clamping force	4 kN at 7 bar; 10 kN at 16 bar
Test type	Tension
Jaw opening	0–10 mm standard; 10–20 and 20–30 mm with included rods
Jaw face size	40 × 60, 40 × 100 or 60 × 200 mm; insert jaws 50 × 60 or 50 × 100 mm
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin
Pneumatic connection	1/8 in internal thread
Body material	Aluminum
Temperature range	0 to +70 °C (grip body); other ranges on request
Weight	3.2 kg per grip, without jaws

AVAILABLE VERSIONS

Jaws 40 × 60 mm	Smooth, rubber, pyramid, V, wave and diamond faces
Jaws 40 × 100 mm	Smooth, rubber, pyramid, wave and diamond faces
Jaws 60 × 200 mm	Rubber, pyramid and wave faces for wide specimens
Insert jaws 50 x 60 mm	Quick-change faces on 60 mm carriers, incl. V-insert
Insert jaws 50 x 100 mm	Quick-change faces on 100 mm carriers
Cooled wave jaws	Water-cooled wave jaws for bitumen sheeting

APPLICATIONS

- Metal sheet and foil
- Plastics and wood
- Textiles, belts and braids
- Bitumen and roofing membranes

Ordering & customization: Specify jaw size and face type (solid or insert jaws with carriers), required opening range and operating pressure. Add foot pedals, hand switches or a pressure regulator if required.

Dimensional drawings
See page 2. Certified drawings and 3D models available on request.

Specifications are typical and may vary by configuration; confirm at time of quote. Custom versions, couplings and adapters available on request. Part ref. UGC-PG-140

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DIMENSIONAL DRAWINGS

FIG. 1

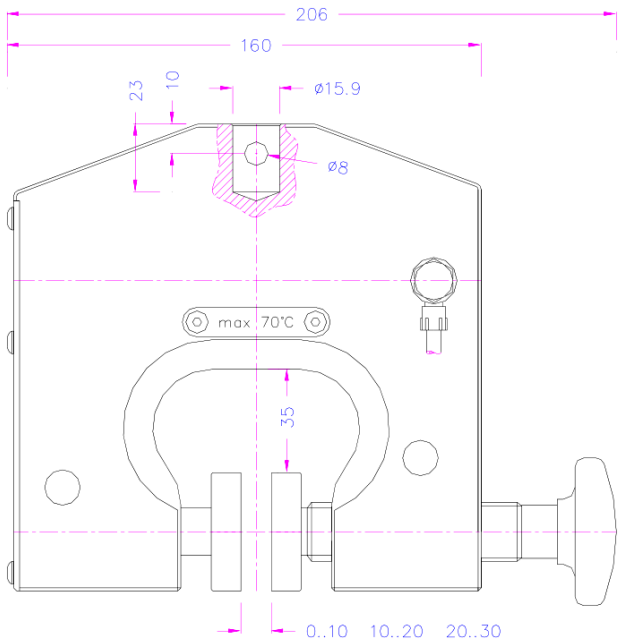


FIG. 2

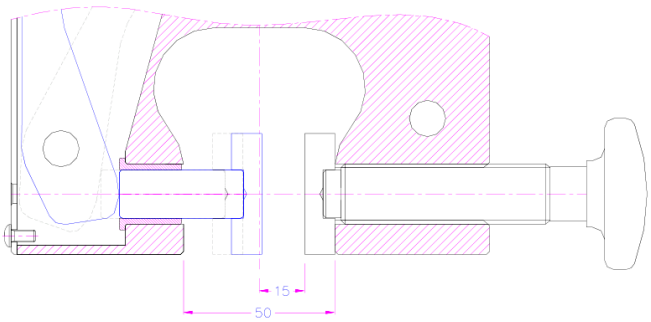
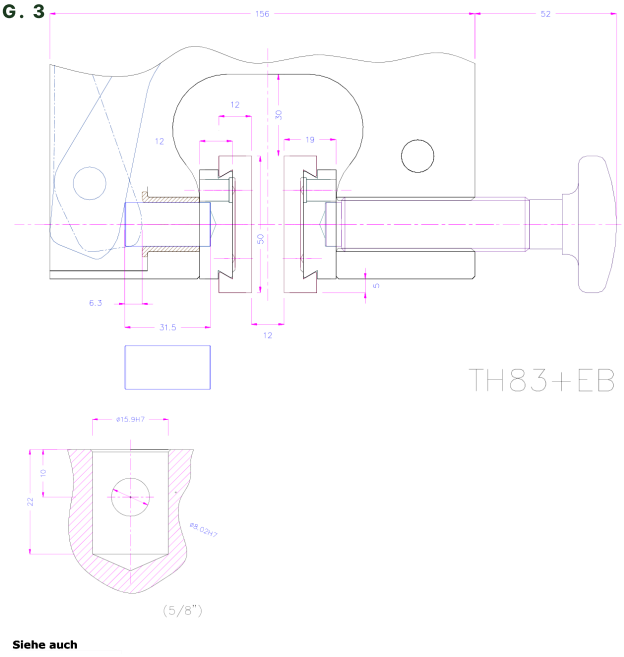


FIG. 3



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Dimensions in mm. Drawings are representative of the product family and may show optional versions or accessories; dimensions are for reference only and may change without notice. Certified dimensional drawings and 3D models are available on request.