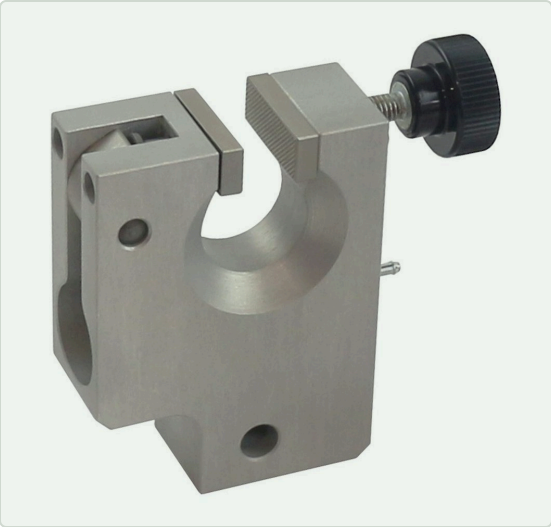
PNEUMATIC GRIPS

Pneumatic Grip 1 kN Clamping

Compact pneumatic grips with 1 kN or 2 kN clamping force for films, fabrics and small specimens



OVERVIEW

Compact pneumatic grips for tensile tests on films, fabrics, seams, paper, wires and small components. A 20 mm piston gives 1 kN clamping force at 7 bar, for about 0.5 kN tensile force at a friction coefficient of 0.5; a 30 mm piston version doubles both values. A wide range of jaws, including line-contact jaws for sewn seams to ASTM D1683, is available.

KEY FEATURES

- Clamping force 1 kN at 7 bar, up to 2 kN at 15 bar
- 2 kN version with 30 mm piston for higher loads
- Light weight of 0.26 kg per grip without jaws
- Jaws from 10 × 25 mm up to 10 × 100 mm wide
- Line-contact jaws for seam tests to ASTM D1683
- Anodized aluminum body with M5 air connection

TECHNICAL SPECIFICATIONS

Max. load	0.5 kN (1 kN version) or 1 kN (2 kN version) at friction coefficient 0.5
Clamping force	1 kN at 7 bar (2 kN at 15 bar); 2 kN version: 2 kN at 7 bar (4 kN at 15 bar)
Pneumatic piston	Ø 20 mm or Ø 30 mm
Jaw clamping surface	10 × 25 mm to 10 × 100 mm; 25 × 25 mm; 25 × 50 mm
Jaw opening	0-10 mm (10 × 25 mm jaws); 0-4 to 0-8 mm for other sizes
Body	Aluminum, anodized
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin; others on request
Pneumatic connection	M5 internal thread
Weight	0.26 kg (1 kN) or 0.4 kg (2 kN) per grip without jaws

AVAILABLE VERSIONS

1 kN clamping, piston Ø 20 mm	0.5 kN tensile force, 0.26 kg
2 kN clamping, piston Ø 30 mm	1 kN tensile force, 0.4 kg
Jaws 10 × 25 mm	Blank, rubber, pyramid, diamond, line-contact R5 or R6.35
Jaws 10 × 50 to 10 x 100 mm	Blank, rubber, pyramid, diamond
Jaws 25 × 25 mm	Blank, rubber, pyramid, wave, diamond; V-jaws Ø 2-8 mm
Jaws 25 × 50 mm	Blank, rubber, pyramid, wave, diamond

APPLICATIONS

- Films and foils
- Woven fabrics and sewn seams
- Paper and labels
- Fine wires and small components

STANDARDS ASTM D1683

Ordering & customization: Specify the clamping force version, the jaw surface and size, the coupling of your testing machine and any pneumatic accessories.

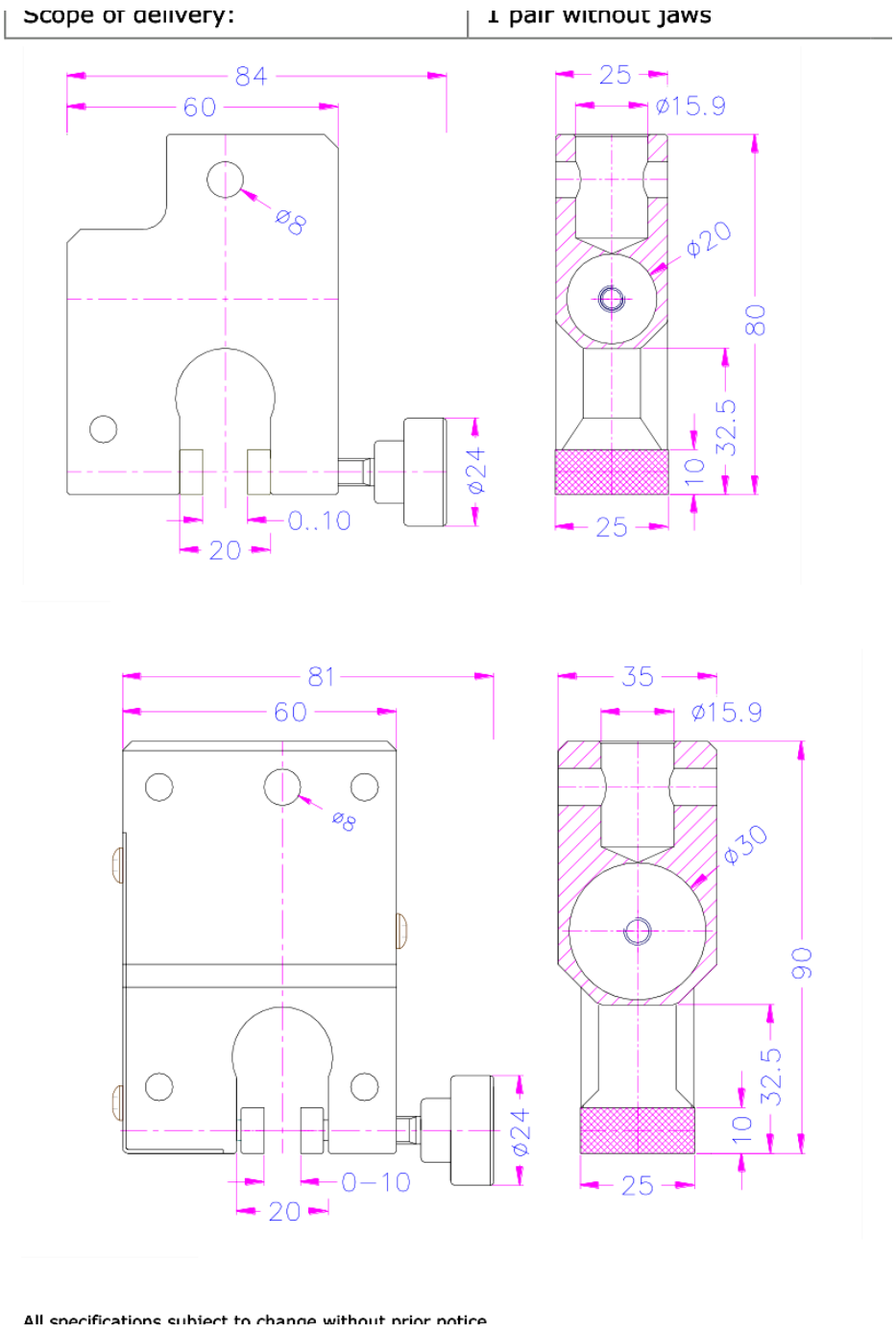
Dimensional drawings
See page 2. Certified drawings and 3D models available on request.

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-070

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DIMENSIONAL DRAWINGS

FIG. 1



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.