PNEUMATIC GRIPS

Small Pneumatic Grip 70 N

Miniature pneumatic grip for small, delicate specimens, 140 N clamping force



OVERVIEW

Miniature pneumatic grip for tensile tests on small, delicate specimens such as fine films, fibers, thin wires and small components. Compressed air closes 15 × 15 mm jaws with 140 N clamping force at 7 bar, giving a tensile capacity of about 70 N at a friction coefficient of 0.5. At under 100 g, the grip adds almost no mass to low-capacity load cells.

KEY FEATURES

- Very low weight of 66 g or 80 g per grip
- Pneumatic clamping for constant, repeatable jaw force
- Versions with one or two piston rods
- Hardened steel jaws, 58 HRC, in three surfaces
- Jaw opening up to 8 mm
- Wider 15 × 50 mm jaws available on the two-rod version

TECHNICAL SPECIFICATIONS

Max. load	70 N (at friction coefficient 0.5)
Clamping force	140 N at 7 bar
Jaw clamping surface	15 × 15 mm (15 × 50 mm on request)
Jaw opening	0-8 mm (rubber-coated 0-6 mm)
Body / jaws	Aluminum, anodized / hardened steel 58 HRC
Coupling	Female clevis, Ø 8 mm pin; Ø 15.9 mm (5/8 in) via adapter
Pneumatic connection	M3, supplied with 2 mm tube
Temperature range	0 to 70 °C; other ranges on request
Weight	66 g (1 rod) or 80 g (2 rods) per grip without jaws

AVAILABLE VERSIONS

1 rod	Jaws 15 × 15 mm, 66 g per grip
2 rods	Jaws 15 × 15 mm, 80 g per grip
2 rods, wide jaws	Jaws 15 × 50 mm, female clevis Ø 15.9 mm (5/8 in)
Jaw sets	Blank, rubber-coated or pyramid; 15 x 15 mm

APPLICATIONS

- Thin films and foils
- Fibers and fine wires
- Medical and electronic components
- Micro and low-force testing

Ordering & customization: Specify the one- or two-rod 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-030

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DIMENSIONAL DRAWINGS

FIG. 1

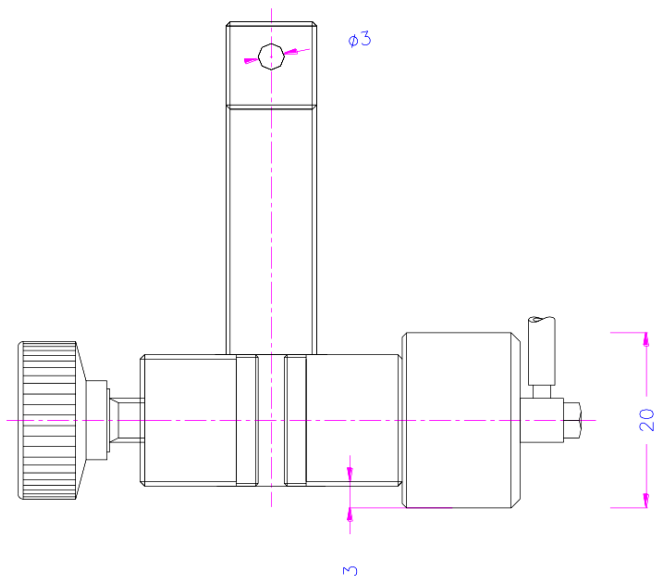


FIG. 2

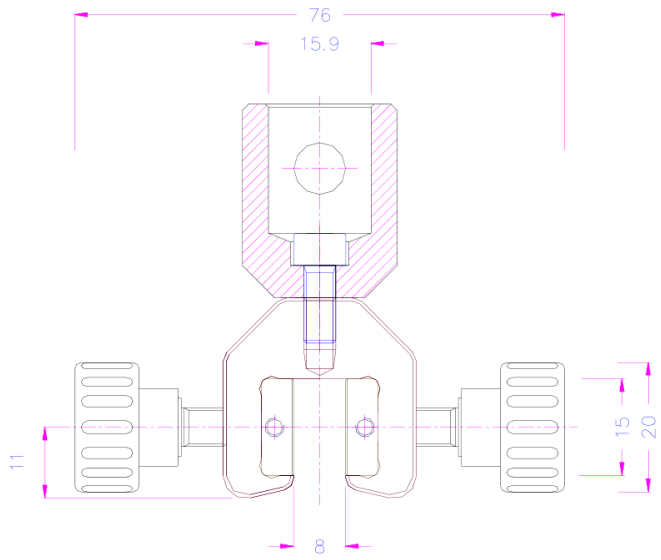


FIG. 3

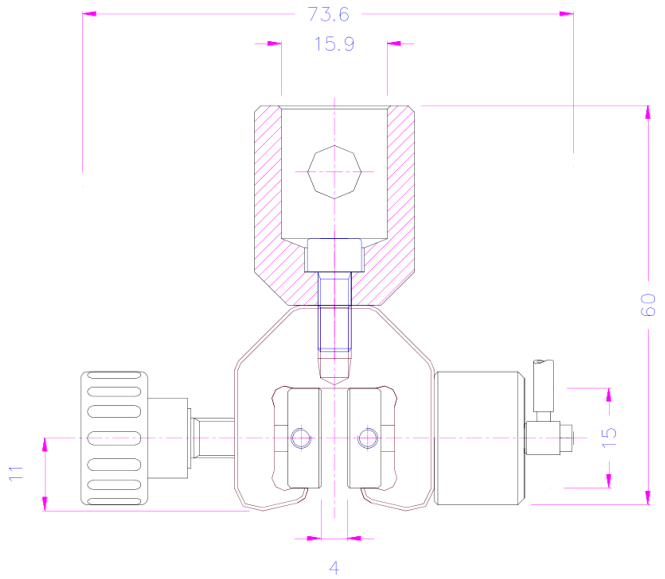
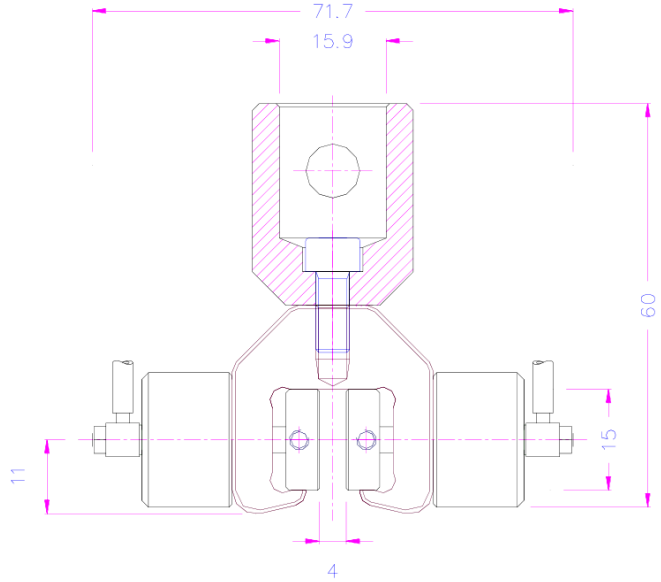


FIG. 4



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.