VISE GRIPS

Small Vise Grip 100 N

Lightweight 100 N vise grips for small, delicate specimens



OVERVIEW

A miniature screw vise grip for low-force tests on small specimens such as fine wires, fibers, foils and small components. The anodized aluminum body weighs only 57 g, so it adds minimal mass to low-capacity load cells, and interchangeable 15 × 15 mm jaws open from 0 to 8 mm. Pneumatic versions and a fully stainless steel version for corrosive or hot environments are available.

KEY FEATURES

- Very low weight of 57 g per grip
- Interchangeable 15 × 15 mm jaws: smooth, rubber or serrated
- Jaws made of hardened steel, 58 HRC, for long life
- Pneumatic versions with 140 N clamping force at 7 bar
- AISI 316 stainless steel version for -60 to +280 °C
- Threaded M5 coupling version for direct load cell mounting

TECHNICAL SPECIFICATIONS

Max. load	100 N (pneumatic: 70 N at friction coefficient 0.5)
Jaw clamping surface	15 × 15 mm
Jaw opening	0 – 8 mm (rubber jaws 0 – 6 mm)
Operation	Manual screw or pneumatic
Coupling	Female clevis, Ø 8 mm pin, or M5 thread; others via adapter
Body / jaws	Anodized aluminum / hardened steel 58 HRC
Temperature range	0 to +70 °C (stainless version -60 to +280 °C)
Weight	57 g per grip without jaws
Scope of supply	1 pair of grips without jaws

AVAILABLE VERSIONS

Manual, clevis coupling	100 N, Ø 8 mm pin coupling
Manual, M5 thread	100 N, 41 g per grip
Stainless steel	AISI 316, -60 to +280 °C
Pneumatic, 1 rod	140 N clamping at 7 bar
Pneumatic, 2 rods	140 N clamping at 7 bar
Blank jaws	Smooth, uncoated, 15 × 15 mm

APPLICATIONS

- Fine wires and fibers
- Thin films and foils
- Small electronic components
- Medical and textile threads

Ordering & customization: Specify manual or pneumatic operation, coupling (clevis or M5 thread), body material and jaw type; jaws are ordered separately.

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-VG-070

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DIMENSIONAL DRAWINGS

FIG. 1

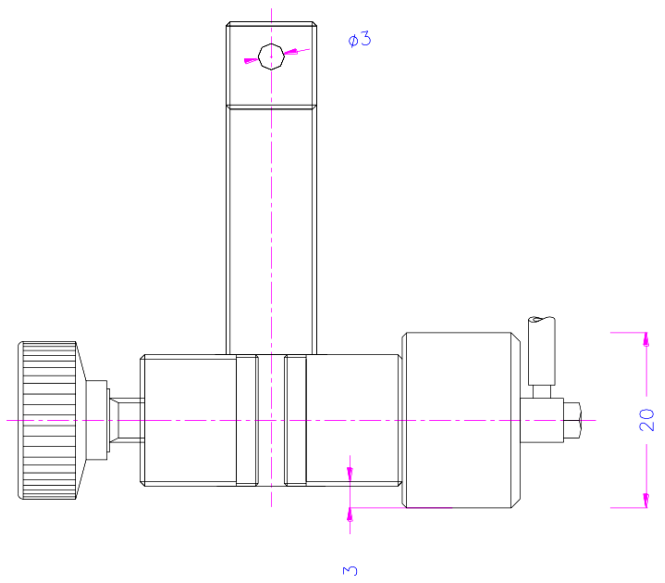


FIG. 2

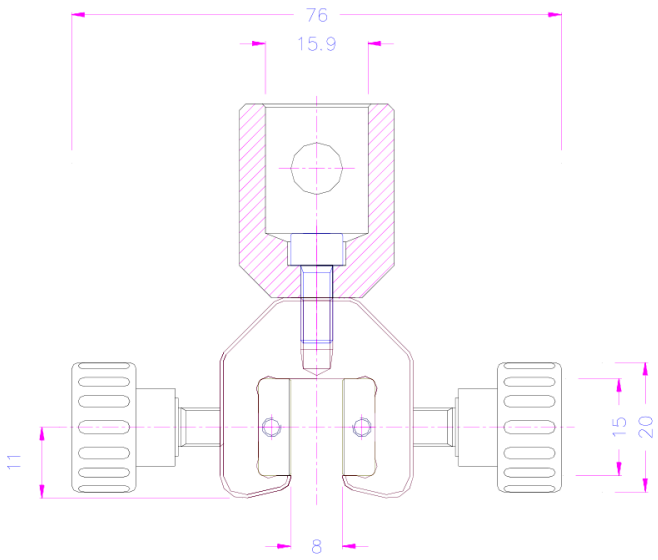


FIG. 3

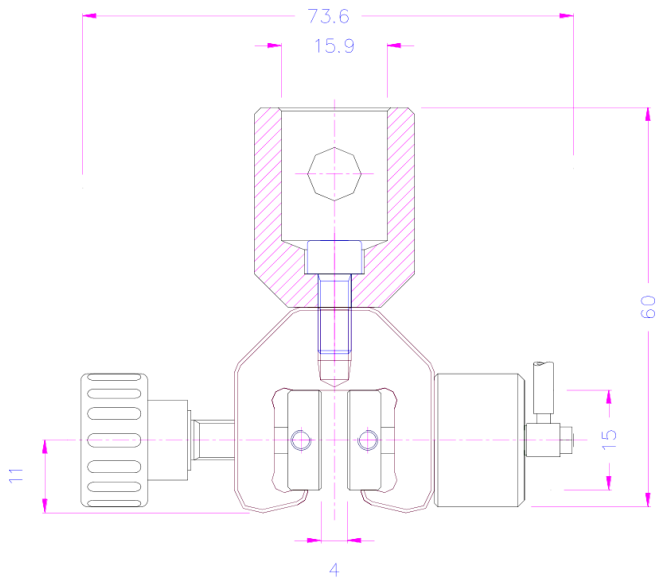
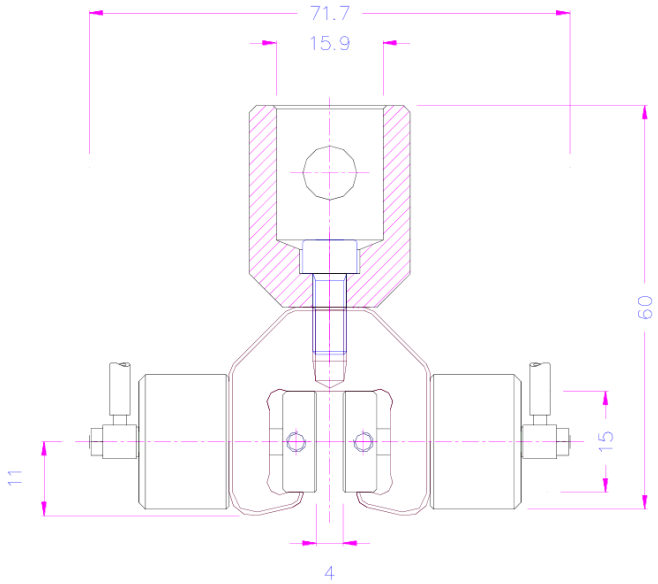


FIG. 4



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.