VISE GRIPS

Small U-Form Vise Grip 2.5 kN

Compact U-form screw action grips, 1 to 5 kN, openings up to 52 mm



OVERVIEW

A family of compact U-form screw action grips with articulating jaws that self-align and self-tighten under load. The dual-acting design centers asymmetrical specimens, and the light anodized aluminum bodies weigh only 0.27 to 0.49 kg. Versions cover 2.5 kN with 10 mm opening up to 1 kN with 52 mm opening, plus an AISI 316 stainless 5 kN version for corrosive and high-temperature tests.

KEY FEATURES

- Dual-acting jaws center symmetrical and asymmetrical specimens
- Articulating jaws self-align and self-tighten as load increases
- Light bodies from 0.27 kg per grip
- Openings of 10, 20, 30 or 52 mm
- AISI 316 stainless 5 kN version for corrosive media
- Wide choice of standard, insert and line-contact jaws

TECHNICAL SPECIFICATIONS

Max. load	2.5 kN (10 mm), 2 kN (20 mm), 1 kN (30 / 52 mm); stainless 5 kN
Clamping force	5 kN at 4 Nm (2.5 / 2 kN); 7.5 – 11 kN at 10 – 15 Nm (1 kN)
Jaw opening	0 – 10, 0 – 20, 0 – 30 or 0 – 52 mm (depending on jaws)
Jaw sizes	25 × 25 mm to 30 × 100 mm
Coupling	Female clevis Ø 15.9 mm (5/8 in) or Ø 20 mm pin; others via adapter
Body / jaws	Anodized aluminum / steel, nickel-plated
Temperature range	0 to +70 °C (other ranges on request)
Weight per grip	0.27 – 0.49 kg without jaws
Scope of supply	1 pair of grips without jaws

AVAILABLE VERSIONS

2.5 kN, 10 mm opening	0.27 kg per grip
2 kN, 20 mm opening	0.32 kg per grip
1 kN, 30 mm opening	0.33 kg per grip
1 kN, 52 mm opening	0.49 kg per grip
Stainless steel AISI 316	5 kN, 10 mm opening, corrosion resistant
Standard jaws	Blank, rubber, pyramid, V, wave, diamond, line-contact

APPLICATIONS

- Textile grab and seam tests
- Plastic films and thin sheet
- Geosynthetic clay liner peel
- Soft tissue and flexible films

STANDARDS ASTM D5034, ISO 13936-2, ASTM D6496

Ordering & customization: Specify capacity and opening, body material (aluminum or stainless), jaw face and size, and coupling; 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-110

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DIMENSIONAL DRAWINGS

FIG. 1

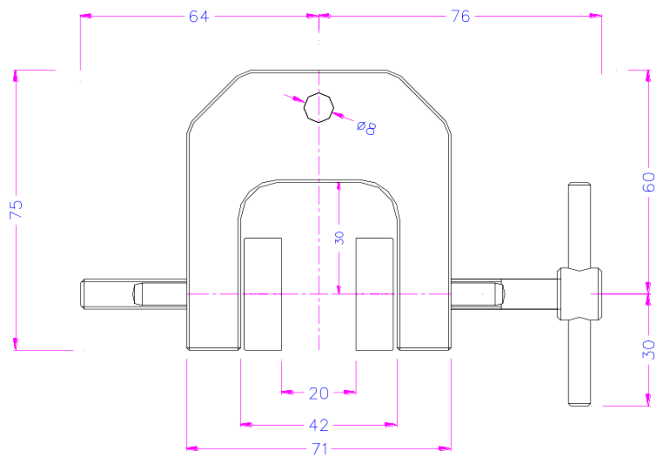


FIG. 2

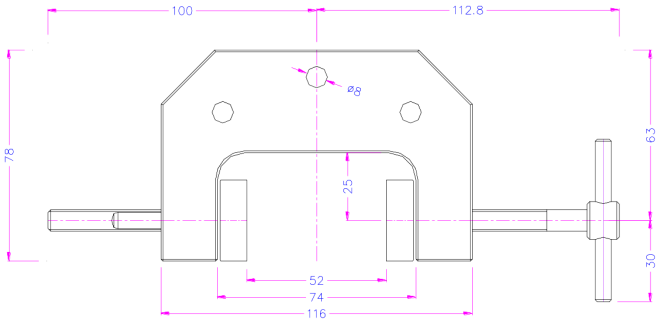


FIG. 3

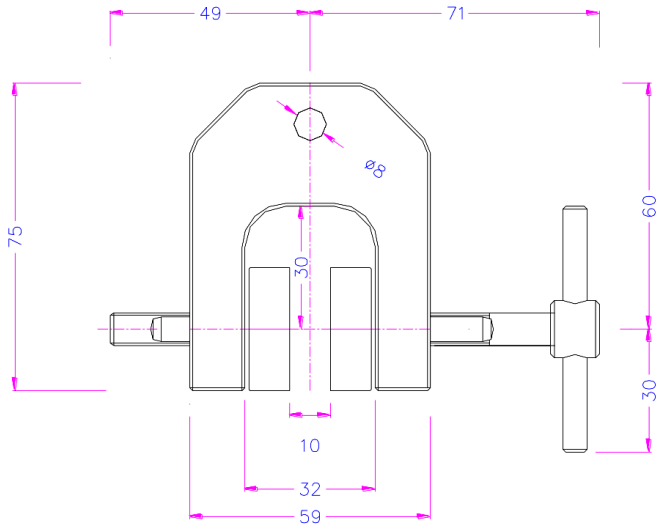
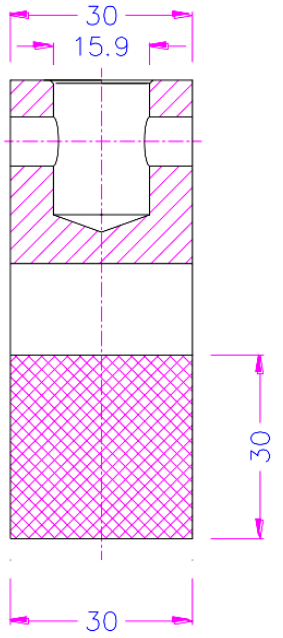


FIG. 4



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.