VISE GRIPS

U-Form Vise Grip 5 kN

Self-tightening U-form screw action grips, 5 kN, openings up to 106 mm



OVERVIEW

Dual-acting screw action grips with a U-shaped anodized aluminum body and articulating jaws that self-align and self-tighten as the load rises. Both jaws move, so asymmetrical specimens stay on the load axis. Three body sizes give jaw openings up to 28, 50 or 106 mm, and a wide selection of standard and quick-change insert jaws suits plastics, textiles, paper, foils and seam slippage tests.

KEY FEATURES

- Dual-acting design for symmetrical and asymmetrical specimens
- Articulating jaws self-align and self-tighten under load
- Three body sizes with openings up to 28, 50 or 106 mm
- Clamping force 10 kN at only 15 Nm torque
- Optional quick-release lever for fast specimen changes
- Standard jaws and quick-change insert jaws in many faces

TECHNICAL SPECIFICATIONS

Max. load	5 kN
Clamping force	10 kN at 15 Nm torque
Jaw opening	0 – 28 mm, 0 – 50 mm or 0 – 106 mm (depending on body and jaws)
Jaw sizes	30 × 50, 30 × 80 or 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	-70 to +180 °C (rubber jaws -30 to +70 °C; 106 mm version 0 to +70 °C)
Weight per grip	1.3 kg, 1.4 kg or 2.3 kg without jaws
Scope of supply	1 pair of grips without jaws

AVAILABLE VERSIONS

28 mm opening	1.3 kg per grip, -70 to +180 °C
50 mm opening	1.4 kg per grip, -70 to +180 °C
106 mm opening	2.3 kg per grip, 0 to +70 °C
Quick-release lever	Optional retrofit for all sizes
Standard jaws	Blank, rubber, pyramid, V, wave, diamond; 30 × 50 to 30 × 100 mm
Insert jaws	Quick-change on carriers, 30 × 50 or 30 × 100 mm

APPLICATIONS

- Textile seam slippage
- Plastic films and sheet
- Paper and metal foils
- Geotextile grab tests

STANDARDS ISO 13936-1, ASTM D4632

Ordering & customization: Specify jaw opening (body size), jaw face and size, coupling and test temperature; jaws and quick-release lever 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-100

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DIMENSIONAL DRAWINGS

FIG. 1

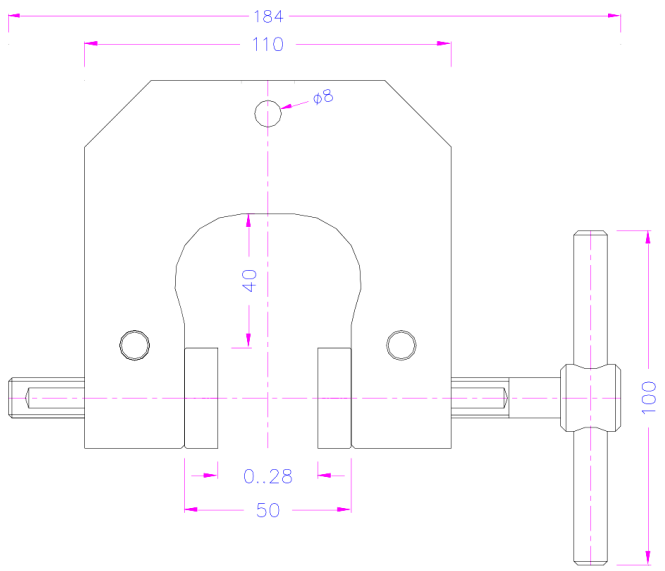


FIG. 2

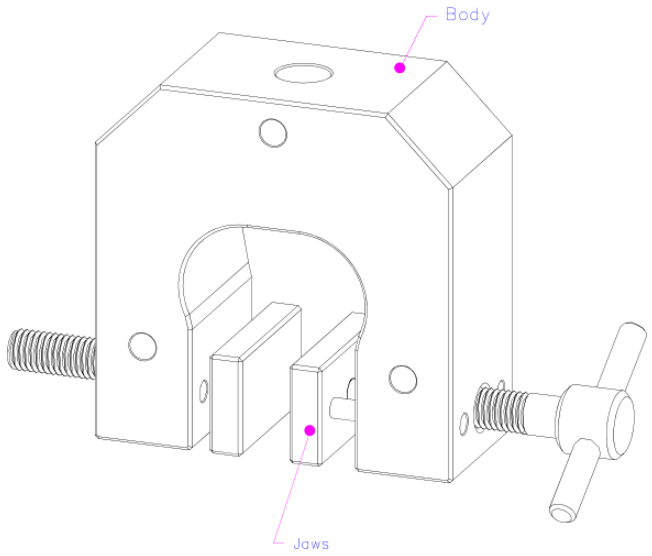


FIG. 3

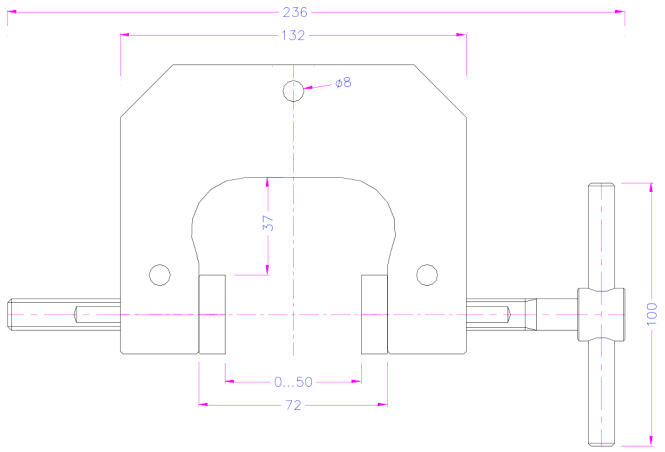
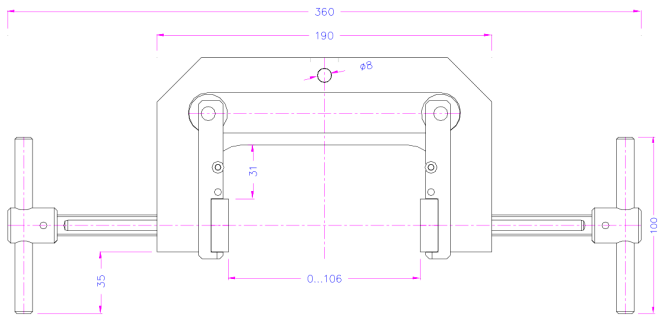


FIG. 4



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.