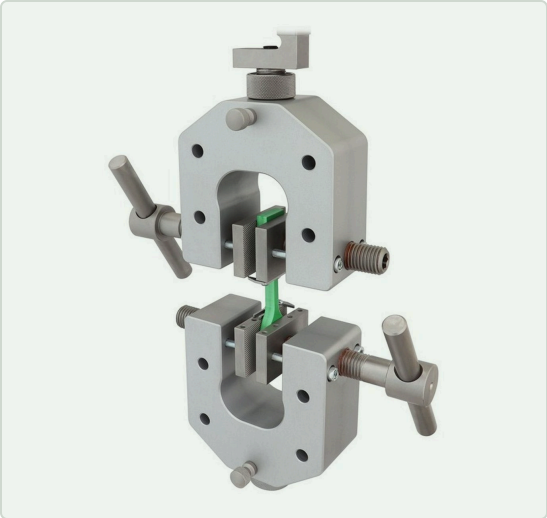
VISE GRIPS

Screw Action Vise Grip 10-20 kN

Self-tightening screw action grips, 10 kN aluminum and 20 kN steel



OVERVIEW

Dual-acting screw action grips with articulating jaws that self-align and self-tighten as tensile load increases. Both jaws move, so asymmetrical specimens are also centered on the load axis. The 10 kN anodized aluminum version suits routine room-temperature work, while 20 kN nickel-plated steel versions open up to 32, 50 or 100 mm and operate from 0 to +350 °C, with a -70 °C option.

KEY FEATURES

- Dual-acting design centers symmetrical and asymmetrical specimens
- Articulating jaws self-align and self-tighten under load
- Jaw openings of 32, 50 or 100 mm
- Wide range of standard and quick-change insert jaws
- Steel versions for chamber use up to +350 °C
- Supplied in pairs or as single grips

TECHNICAL SPECIFICATIONS

Max. load	10 kN (aluminum) or 20 kN (steel)
Clamping force	40 kN at 80 Nm (10 kN); 80 kN at 160 Nm (20 kN)
Max. jaw opening	32 mm, 50 mm or 100 mm
Body material	Aluminum, anodized or steel, nickel-plated
Temperature range	0 to +180 °C (aluminum); 0 to +350 °C (steel), -70 °C option
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin or Ø 20 mm pin; others via adapter
Weight per grip	2.36 kg (10 kN); 5.04 – 6.2 kg (20 kN)
Scope of supply	1 pair of grips without jaws

AVAILABLE VERSIONS

10 kN aluminum	32 mm opening, 0 to +180 °C, 2.36 kg
20 kN steel, 32 mm	0 to +350 °C, 5.04 kg
20 kN steel, low temp	-70 to +350 °C
20 kN steel, 50 mm	50 mm opening, 5.6 kg
20 kN steel, 100 mm	100 mm opening, 6.2 kg
Standard jaws	Blank, rubber, pyramid, V, wave, diamond; 40 × 60, 40 × 100, 60 × 200 mm

APPLICATIONS

- Plastics and rubber sheet
- Roofing membranes and bitumen sheet
- Adhesive lap shear joints
- Wood, textiles and foams

STANDARDS EN 12316-2, EN 12311-2, EN 12317-2

Ordering & customization: Specify capacity, jaw opening, test temperature and coupling, and select jaw face and size 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-080

Screw Action Vise Grip 10-20 kN

DIMENSIONAL DRAWINGS

FIG. 1

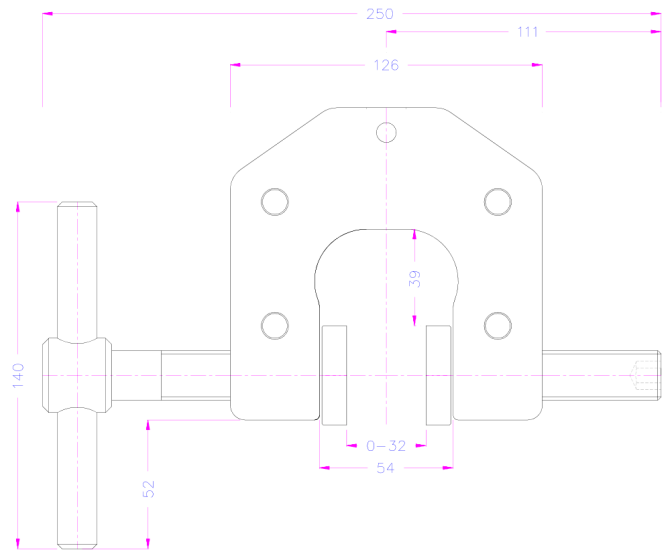


FIG. 2

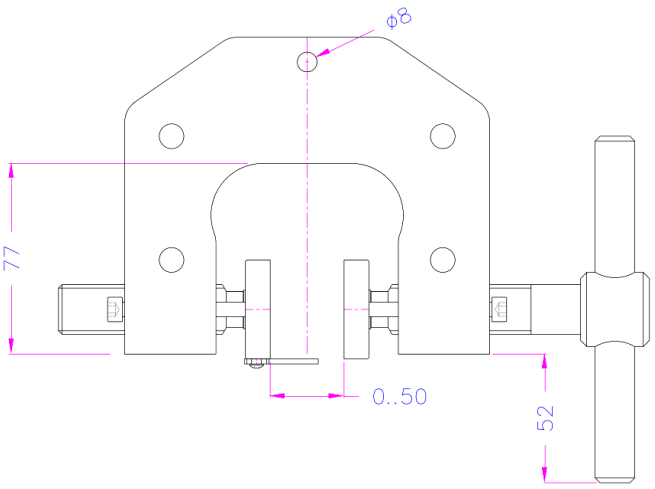


FIG. 3

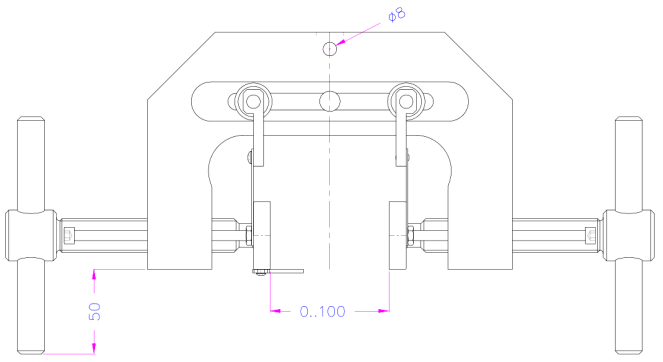
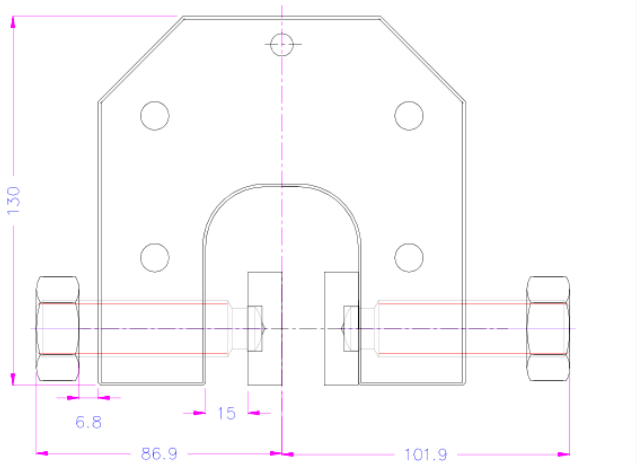


FIG. 4



for temperature

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.