VISE GRIPS

Screw Action Vise Grip 46 kN

Symmetric steel screw action grips, 46 kN at 92 kN clamping force



OVERVIEW

Heavy steel screw action grips with a symmetric, dual-acting design and articulating jaws that self-align and self-tighten under load. Tightened with an impact wrench to 500 Nm, the grip builds 92 kN clamping force and holds specimens up to 46 kN tensile load. Jaws in 60 × 66 mm and large 70 × 210 mm formats suit plastics, CFRP, reinforced strips and wide textiles from 0 to +180 °C.

KEY FEATURES

- Symmetric dual-acting design centers asymmetrical specimens
- Articulating jaws self-align and self-tighten as load increases
- 92 kN clamping force at 500 Nm torque
- Jaw openings to 30 mm (60 × 66 mm jaws)
- Large 70 × 210 mm jaws for wide specimens
- Nickel-coated steel for use up to +180 °C

TECHNICAL SPECIFICATIONS

Max. load	46 kN
Clamping force	92 kN at 500 Nm (9.2 kN at 50 Nm)
Jaw opening	0 – 30 mm (60 × 66 mm jaws); 0 – 20 mm (70 × 210 mm jaws)
Jaw sizes	60 × 66, 70 × 120 or 70 × 210 mm
Body material	Steel, nickel-coated
Temperature range	0 to +180 °C (other ranges on request)
Weight	12 kg per grip without jaws
Coupling	Female clevis, Ø 31.8 mm (1-1/4 in) pin; others via adapter
Scope of supply	1 pair of grips without jaws

AVAILABLE VERSIONS

Jaws 60 × 66 mm	Blank, rubber, pyramid, wave, diamond; 0–30 mm
V-jaws 60 mm	Round specimens Ø 6–30 mm, plain or diamond
Pyramid jaws 70 x 120 mm	Opening 0–20 mm
Jaws 70 × 210 mm	Blank, pyramid, wave, rubber-coated wave, V
Wide-opening special	Opening 0–70 mm
Timing belt special	50 kN, serrated insert jaws

APPLICATIONS

- Plastics and CFRP laminates
- Nylon-reinforced strips
- Wide textiles and belting
- Timing belts

Ordering & customization: Specify jaw size and face, specimen thickness, coupling and test temperature; jaws are ordered separately and an impact wrench is recommended.

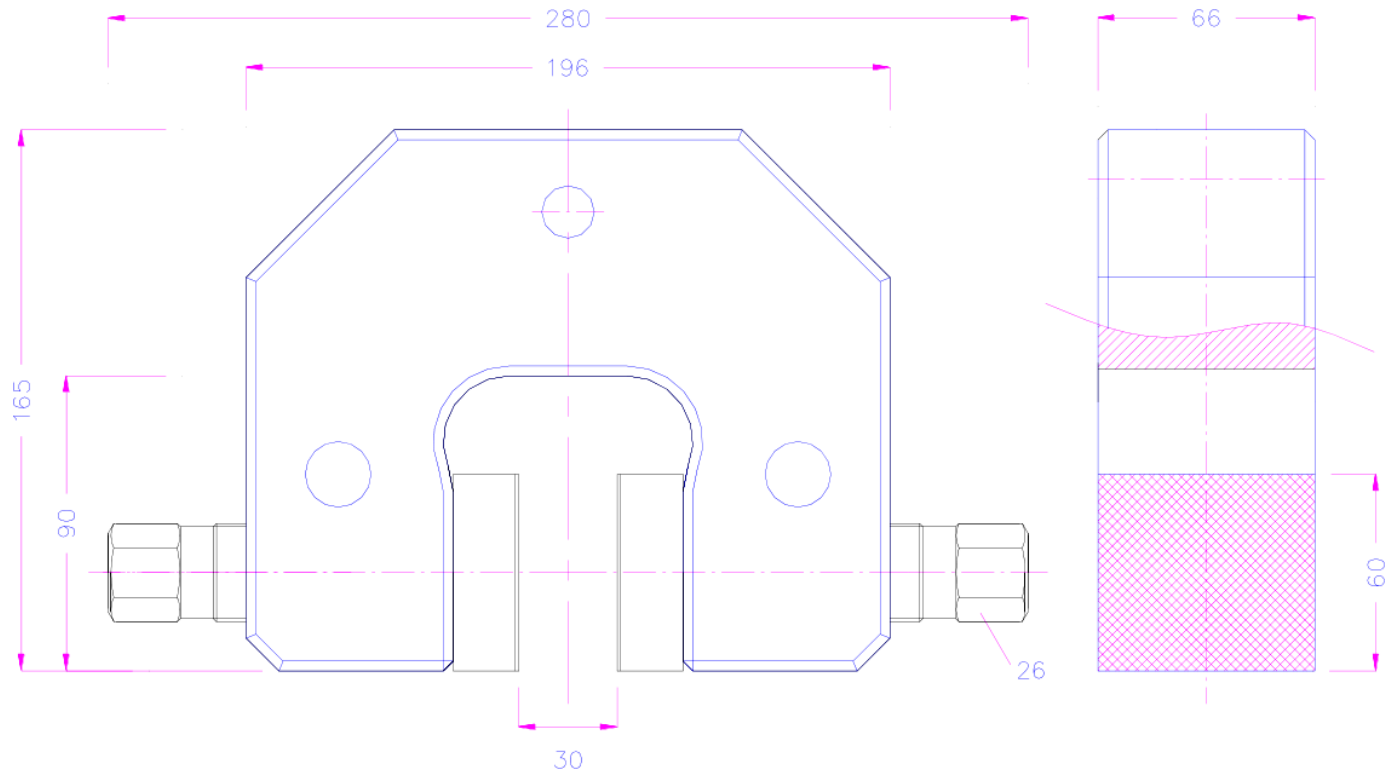
Dimensional drawings
See page 2. Certified drawings and 3D models available on request.

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-200

Screw Action Vise Grip 46 kN

DIMENSIONAL DRAWINGS

FIG. 1



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.