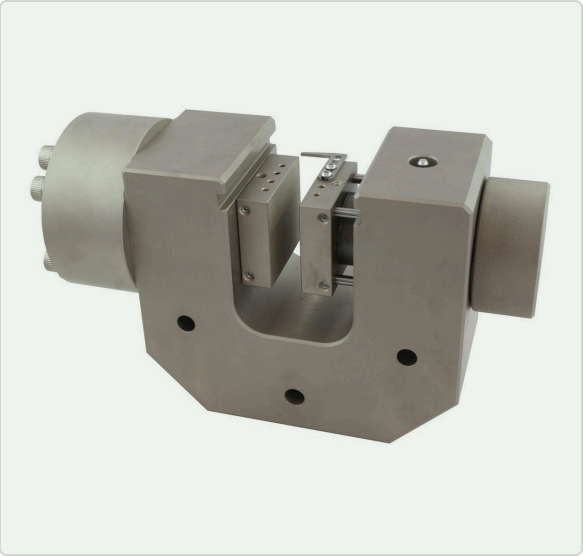
HYDRAULIC GRIPS

Hydraulic Vise Grip 100 kN

Hydraulic vise grip with 170 kN clamping force and 0–30 mm jaw opening



OVERVIEW

A hydraulic vise grip for tensile tests up to 100 kN on metals, composites, plastics and textiles. Hydraulic pressure develops 170 kN clamping force at 350 bar, or 220 kN at 450 bar, on 60 × 66 mm hardened jaws with 0–30 mm opening. A wide choice of jaw faces covers flat, round, notch-sensitive and soft specimens.

KEY FEATURES

- Rated for 100 kN maximum tensile load
- 170 kN clamping at 350 bar, 220 kN at 450 bar
- Jaw opening 0–30 mm for thick and flexible specimens
- Hardened 58 HRC jaws, 60 × 66 mm
- Two-rod version with speed throttle, symmetric or single jaw motion
- Adapter platen to mount other fixtures without removing grip

TECHNICAL SPECIFICATIONS

Max. tensile load	100 kN
Clamping force	170 kN at 350 bar; 220 kN at 450 bar
Jaw opening	0–30 mm
Jaw face size	60 × 66 mm (H x W)
Coupling	Female clevis Ø 31.8 mm (1-1/4 in) or Ø 40 mm pin; others on request
Body material	Steel, nickel-plated; jaws hardened 58 HRC
Temperature range	0 to +70 °C; other ranges on request
Weight	24.5 kg per grip
Operation	Hydraulic

AVAILABLE VERSIONS

Smooth jaws	60 × 66 mm, 0–30 mm
Pyramid jaws	1.2 × 45°, 60 × 66 mm, 0–30 mm
V-jaws	Round specimens 6–30 mm Ø, standard or diamond-coated
Wave jaws	For textiles, 60 × 66 mm, 0–30 mm
Diamond-coated jaws	60 × 66 mm, 0–30 mm
Rubber-coated jaws	60 × 66 mm, 0–28 mm

APPLICATIONS

- Metal sheet, bar and wire
- Fiber-reinforced composites
- Pipe segments
- Technical textiles

Ordering & customization: Specify coupling, jaw face and specimen range, single- or two-rod version, and whether an air-hydraulic pump is required.

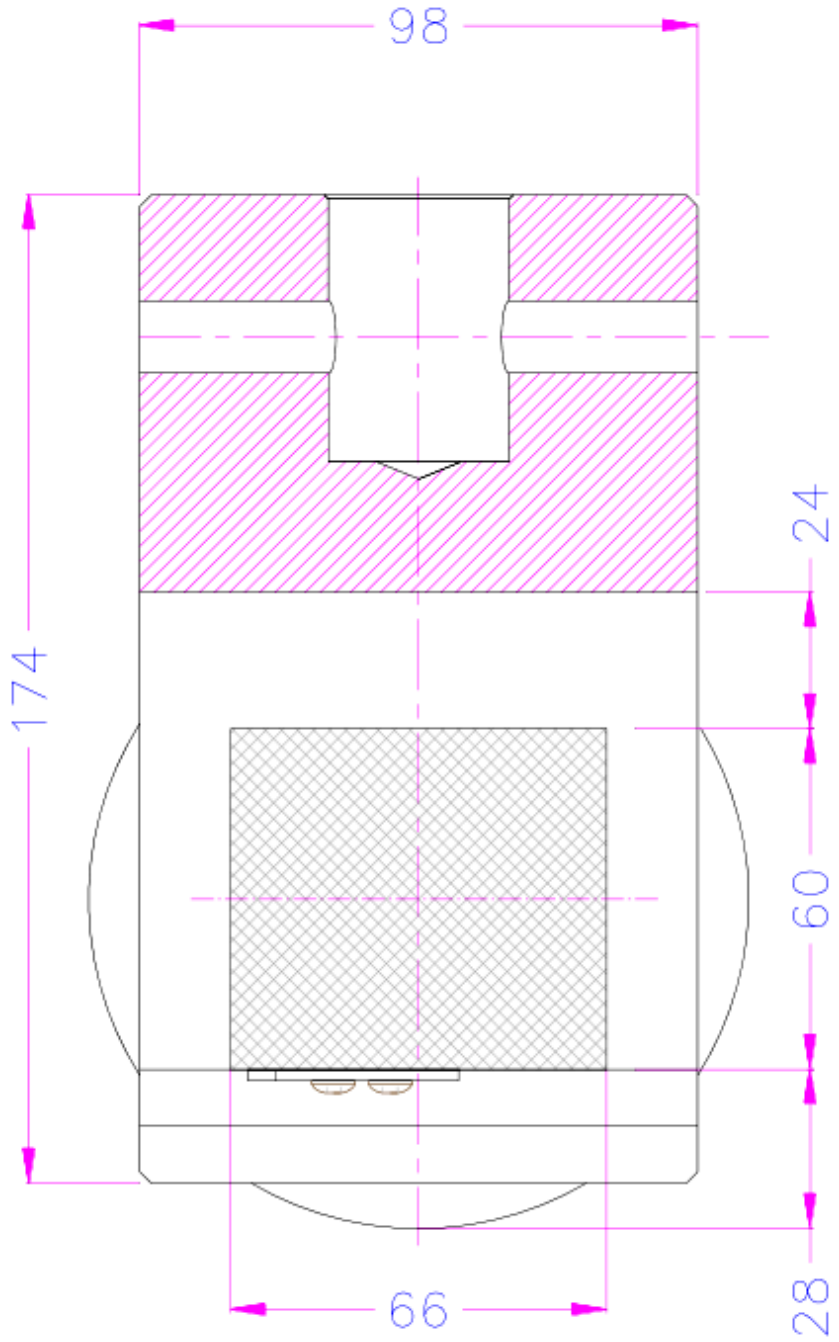
Dimensional drawings
See page 2. Certified drawings and 3D models available on request.

Specifications are typical and may vary by configuration; confirm at time of quote. Custom versions, couplings and adapters available on request. Part ref. UGC-HG-120

Hydraulic Vise Grip 100 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.