WEDGE GRIPS

Wedge Grip with Crank 50 kN

Low-height crank-operated wedge grip for larger specimens such as wood



OVERVIEW

A universal wedge grip with low overall height and a crank lever mechanism for opening and closing the jaws. The crank allows a high preload to be applied before testing, and the self-tightening wedges increase clamping force as tension builds. Designed for larger specimens such as wood, the grip accepts flat specimens up to 60 mm thick and round specimens up to Ø 60 mm with standard or quick-change insert jaws.

KEY FEATURES

- Crank mechanism applies high preload before testing
- Low overall height saves machine daylight
- Wedge action tightens the jaws further as load increases
- Flat specimens up to 60 mm, round up to Ø 60 mm
- Quick-change insert jaw system for fast specimen changes
- Hardened 58 HRC jaws in nickel-plated steel body

TECHNICAL SPECIFICATIONS

Max. load	50 kN
Test type	Tensile
Jaw opening	0 – 60 mm (depending on jaws)
Clamping surface	76 × 59 mm (standard); 80 × 50 mm (insert jaws)
Operation	Manual, crank lever
Coupling	Female clevis, Ø 31.8 mm (1-1/4 in) pin; others via adapter
Body / jaws	Steel, nickel-plated / hardened steel 58 HRC
Temperature range	0 to +70 °C (other ranges on request)
Weight	16.4 kg per grip without jaws

AVAILABLE VERSIONS

Pyramid jaws 76 x 59 mm	Flat 0–20, 20–40, 40–60 mm
V-jaws 76 mm	Round Ø 6–20, 16–30, 26–40, 36–50, 46–60 mm
Pyramid insert jaws 80 × 50 mm	Flat 0–20, 10–30, 20–40, 30–50 mm
V insert jaws 80 mm	Round Ø 6–20, 16–30, 26–40 mm

APPLICATIONS

- Wood and timber specimens
- Large flat metal specimens
- Round bars up to Ø 60 mm
- Plastic and composite plates

Ordering & customization: Specify specimen geometry and size range, jaw type 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-WG-090

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DIMENSIONAL DRAWINGS

FIG. 1

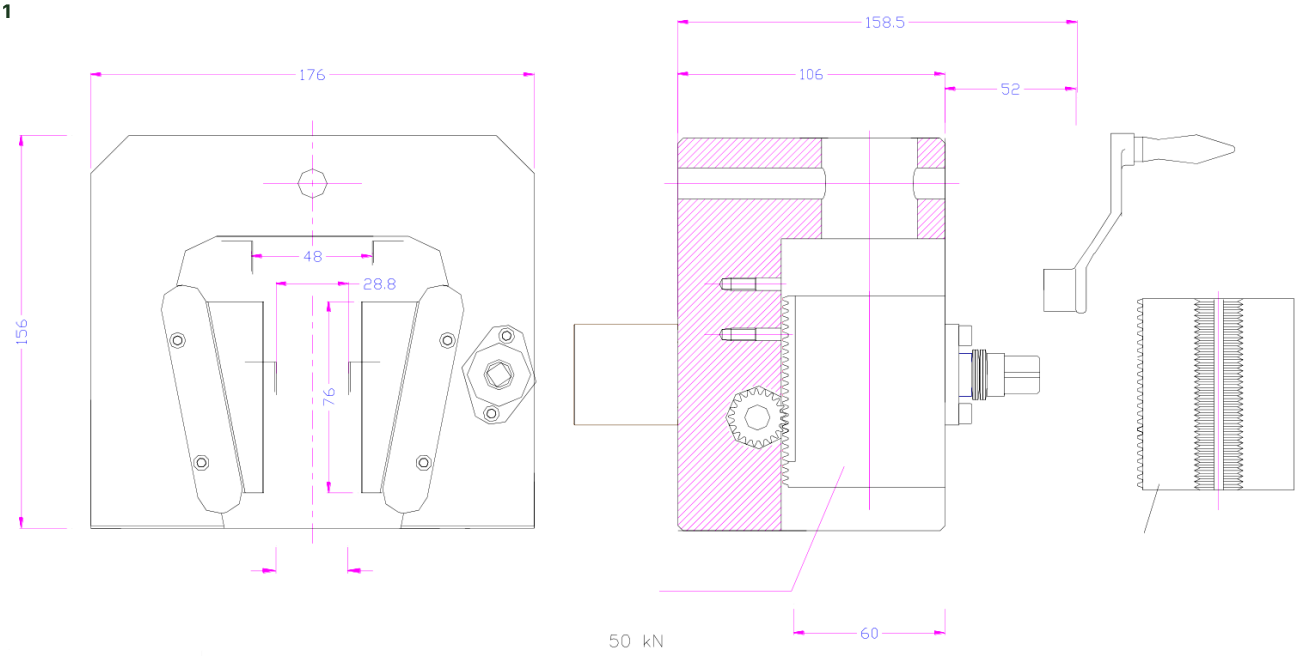


FIG. 2

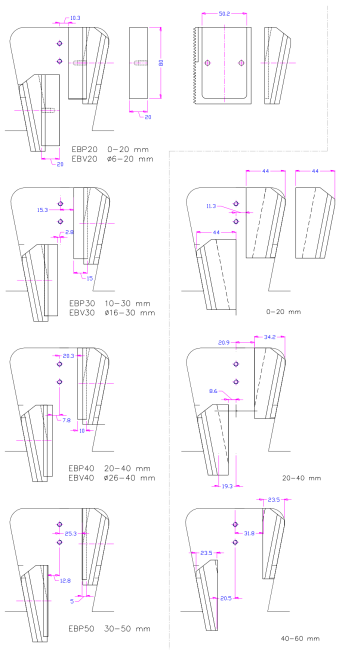
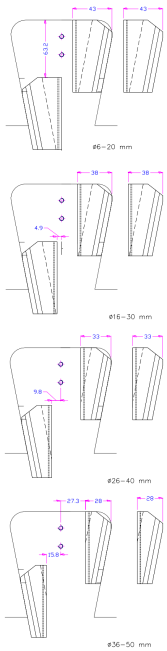


FIG. 3



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.