WEDGE GRIPS

Wedge Grip for Round and Flat Samples 50 kN

Crank-operated universal wedge grip for steel, plastic and wood, 50 kN



OVERVIEW

A universal wedge grip for round and flat specimens of steel, plastic and wood. The wedges move downward under load for self-tightening clamping, and a crank handle sets the jaws. Closing the front flap reinforces the body so that loads up to 100 kN are possible on mild steel. Standard jaws open up to 40 mm, and quick-change insert jaws allow fast switching between flat and round specimens.

KEY FEATURES

- Self-tightening wedge action for round and flat specimens
- Jaws are set with the supplied crank handle
- Front flap raises capacity to 100 kN when closed
- Jaw openings up to 40 mm
- Quick-change insert jaw system for fast specimen changes
- Servo-motor-driven version available for automated clamping

TECHNICAL SPECIFICATIONS

Max. load	50 kN (100 kN with closed front flap, steel max. 30 HRC)
Test type	Tensile
Jaw opening	0 – 40 mm (depending on jaws)
Clamping surface	74 × 45 mm (standard); 55 × 40 mm (insert jaws)
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	13.6 kg per grip without jaws
Scope of supply	1 pair of grips without jaws, incl. crank

AVAILABLE VERSIONS

Manual crank	Standard version
Servo motor	Motor-driven jaw closing
Pyramid jaws 74 x 45 mm	Flat specimens 0–20, 15–30, 20–40 mm
V-jaws 74 mm	Round specimens Ø 6–20, 18–30, 26–40 mm
Blank jaws 74 x 45 mm	For own machining
Insert jaws 55 x 40 mm	Pyramid, V, blank, diamond; up to 26 mm

APPLICATIONS

- Steel wire and round bar
- Plastic flat specimens
- Wood and glued wood joints
- Aluminum specimens

Ordering & customization: Specify manual or servo version, 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-070

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DIMENSIONAL DRAWINGS

FIG. 1

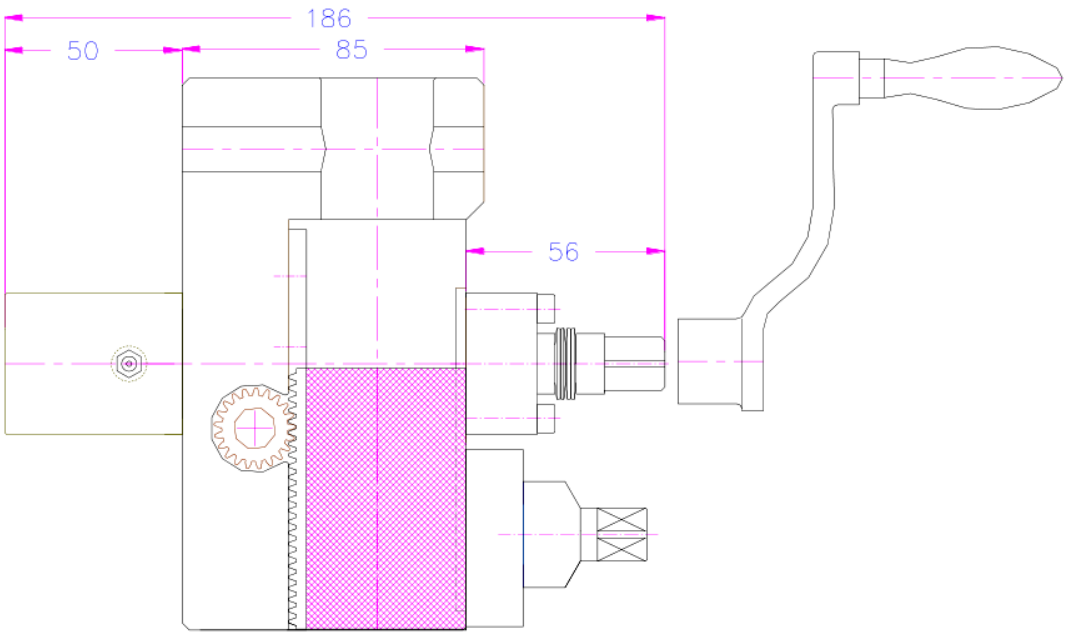
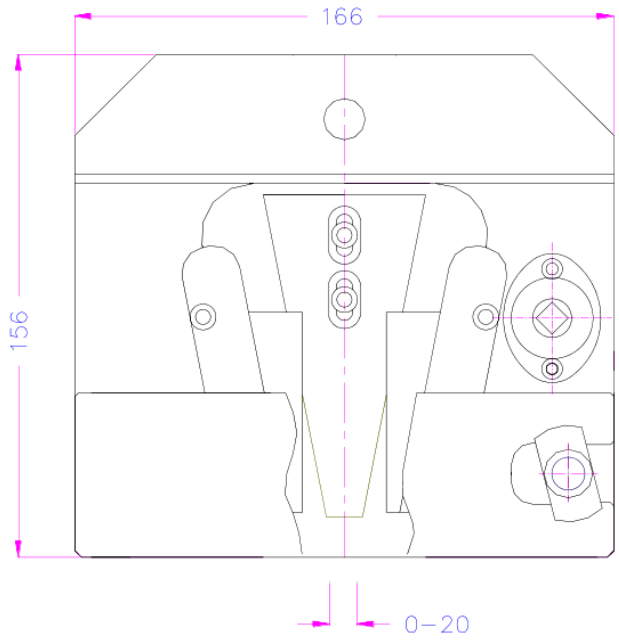


FIG. 2



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.