WEDGE GRIPS

Wedge Grip 20-50 kN

Self-tightening lever-operated wedge grips, 20 kN and 50 kN



OVERVIEW

Multi-purpose self-tightening wedge grips for metal and plastic specimens of medium strength. A lever arm opens the jaws for quick specimen insertion and removal, and the wedge-shaped jaws increase clamping force as tension is applied. Two sizes cover 20 kN and 50 kN, with standard operation from 0 to +130 °C and an option for -40 to +280 °C, plus counterweights and pull rods for temperature chamber use.

KEY FEATURES

- Self-tightening wedge jaws increase grip under load
- Lever arm for quick specimen insertion and removal
- 20 kN and 50 kN versions
- Temperature option -40 to +280 °C
- Chamber kit with counterweights and pull rods
- Hardened 58 HRC serrated and V-jaws

TECHNICAL SPECIFICATIONS

Max. load	20 kN or 50 kN
Test type	Tensile
Jaw opening	0 – 16 mm flat; Ø 3 – 20 mm round (depending on jaws)
Clamping surface	50 × 35 mm
Coupling	Female clevis Ø 15.9 mm (5/8 in) or Ø 20 mm pin (20 kN); Ø 31.8 mm (1-1/4 in) pin (50 kN)
Body material	Steel, nickel-plated
Temperature range	0 to +130 °C (-40 to +280 °C option)
Weight per grip	3.8 kg (20 kN) or 6.75 kg (50 kN), without jaws
Scope of supply	1 pair of grips without jaws

AVAILABLE VERSIONS

20 kN	3.8 kg per grip
20 kN high/low temperature	-40 to +280 °C
50 kN	6.75 kg per grip
50 kN high/low temperature	-40 to +280 °C
Pyramid jaws 50 x 35 mm	Flat 0–13 or 4–16 mm
V-jaws 50 mm	Round Ø 3–13, 4–16, 10–20 mm

APPLICATIONS

- Medium-strength metals
- Plastic flat and round specimens
- Wires and rods
- Elevated-temperature testing

Ordering & customization: Specify capacity, temperature range, jaw type and coupling; jaws and chamber kit 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-100

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DIMENSIONAL DRAWINGS

FIG. 1

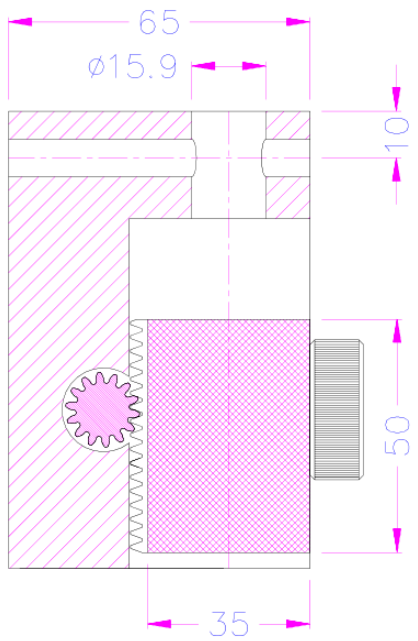


FIG. 2

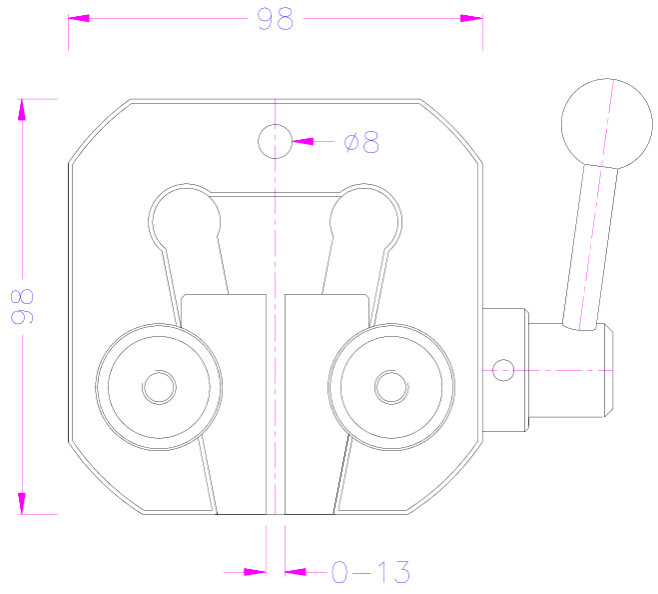
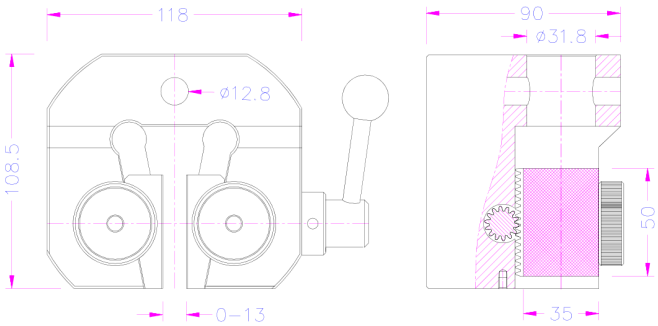


FIG. 3



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.