SHOULDER & BUTTON HEAD GRIPS

Wire Terminal Grip 20 kN

Self-aligning slotted wheel grip for pull testing wire terminals, lugs and connectors



OVERVIEW

Grip for measuring the pull-off strength of crimped wire terminals and connectors up to 20 kN. A rotatable wheel carries equally spaced slots for standard terminal shank sizes; the terminal is hooked into the matching slot and the wheel is locked with a pin, while the wire is held in a separate lower grip. The wheel self-aligns with the load axis.

KEY FEATURES

- Rotatable, self-aligning wheel with equally spaced slots
- 12 slot widths from 1 to 6 mm on the 60 mm wheel
- 8 slot widths from 2.6 to 11.8 mm on the 150 mm wheel
- Locking pin fixes the selected slot in position
- Large wheel usable from -70 to 280 °C
- Customized wheels and slot sizes available

TECHNICAL SPECIFICATIONS

Max. load	20 kN
Test type	Pull strength of wire terminals and connectors
Wheel diameter	Ø 60 mm or Ø 150 mm
Slot widths	1-6 mm (12 slots) or 2.6-11.8 mm (8 slots)
Material	Steel, nickel-plated
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin; others on request
Temperature range	0 to 70 °C (Ø 60 mm); -70 to 280 °C (Ø 150 mm)
Weight	0.7 kg (Ø 60 mm); 2.9 kg (Ø 150 mm)
Scope of delivery	1 grip incl. locking pin

AVAILABLE VERSIONS

Wheel Ø 60 mm	12 slots: 1, 1.2, 1.6, 2, 2.4, 2.7, 3, 4, 4.5, 5, 5.5, 6 mm
Wheel Ø 150 mm	8 slots: 2.6, 3, 4, 5, 6, 8, 10, 11.8 mm

APPLICATIONS

- Crimped cable lugs and ring terminals
- Wire ferrules and end sleeves
- Wire rope clamps
- Automotive and electrical harnesses

Ordering & customization: Specify the wheel size and slot widths for your terminal shanks, the coupling of your testing machine and the lower grip used to hold the wire.

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-SH-250

UGC-SH-250

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DIMENSIONAL DRAWINGS

FIG. 1

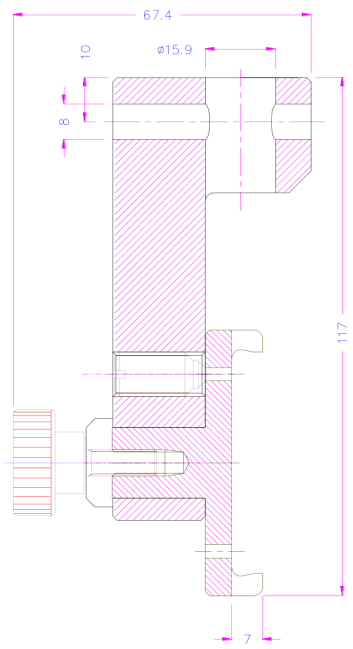


FIG. 2

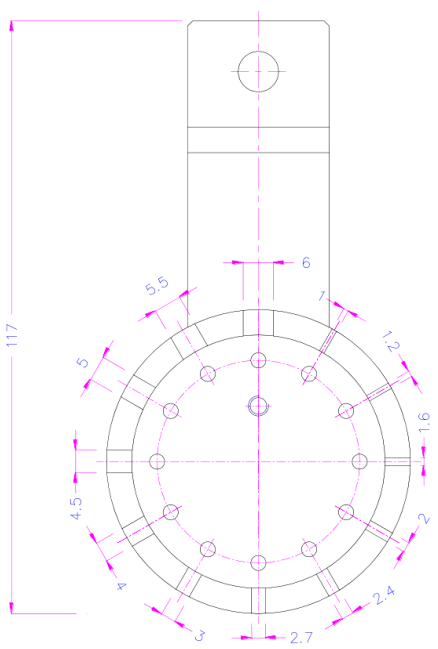


FIG. 3

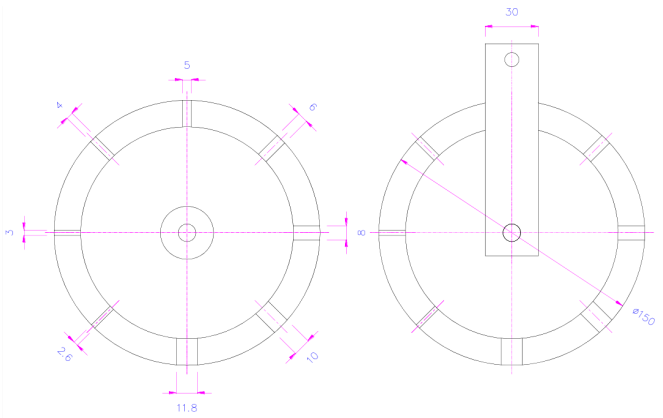
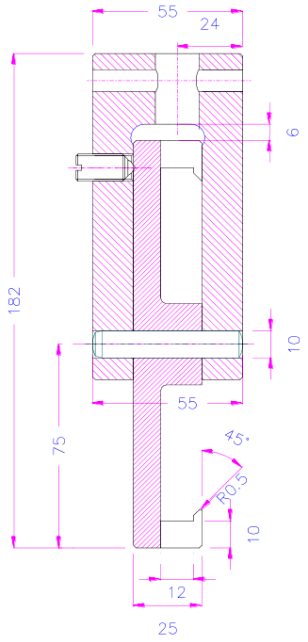


FIG. 4



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.