SHOULDER & BUTTON HEAD GRIPS

Shoulder Grips with Slot

Simple slotted chuck grips for shoulder-head round specimens, 20 kN to 250 kN



OVERVIEW

Simple slotted grips for holding round specimens with shouldered (chuck) heads. The specimen is slid sideways into the slot so its head seats behind the shoulder, and a fixing ring prevents the grip from widening under load. Seven sizes cover 20 kN to 250 kN, with slot widths cut to the customer's specimen.

KEY FEATURES

- Side-loading slot for fast specimen change
- Fixing ring prevents the slot from opening under load
- Slot width and radius made to customer specimen
- Seven sizes from 20 kN to 250 kN
- Hardened, nickel-plated steel for wear and corrosion resistance
- Supplied as a pair of grips

TECHNICAL SPECIFICATIONS

Max. load	20, 50, 100, 200 or 250 kN (by size)
Test type	Tensile test of shoulder-head round specimens
Slot width	4 to 24 mm, to customer specification
Max. head diameter	15.9 to 40 mm (by size)
Coupling	Female clevis Ø 15.9 mm (5/8 in) to Ø 60 mm; others on request
Material	Steel, hardened, nickel-plated
Weight	Approx. 0.2 kg to 3.5 kg per grip
Scope of delivery	1 pair of grips

AVAILABLE VERSIONS

20 kN, Ø 15.9 mm (5/8 in)	Slot 4, 5 or 6 mm; head max. 15.9 mm; approx. 0.2 kg
20 kN, Ø 20 mm	Slot 4, 5, 6 or 8 mm; head max. 20 mm; approx. 0.4 kg
50 kN, Ø 30 mm	Slot 6, 8, 10 or 12 mm; head max. 22 mm; approx. 0.8 kg
50 kN, Ø 31.8 mm (1-1/4 in)	Slot 6, 8, 10 or 12 mm; head max. 22 mm; approx. 0.9 kg
100 kN, Ø 36 or 40 mm	Slot 8, 10, 12 or 16 mm; head max. 22 mm; approx. 1 kg
200 kN, Ø 50 mm	Slot 10, 12, 16 or 20 mm; head max. 35 mm; approx. 3 kg

APPLICATIONS

- Metals tensile testing
- DIN 50125 round specimens
- Wire and rod specimens
- Quality control laboratories

STANDARDS DIN 50125

Ordering & customization: Specify the specimen shank diameter, head diameter and radius (slot size), the load range and the coupling of your testing machine.

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-230

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DIMENSIONAL DRAWINGS

FIG. 1

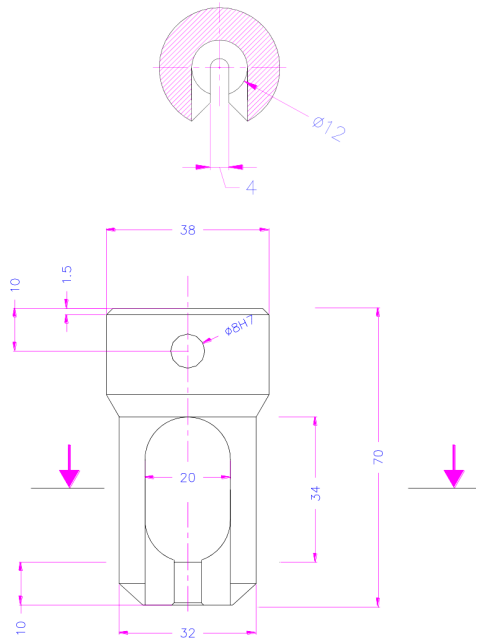


FIG. 2

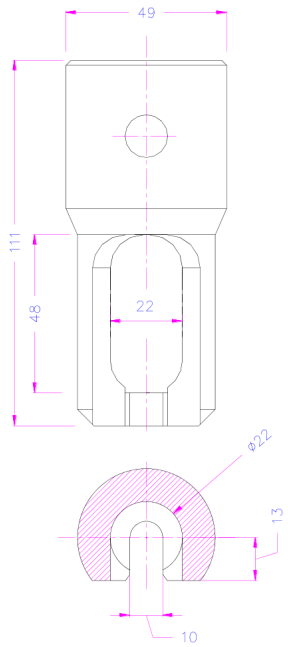


FIG. 3

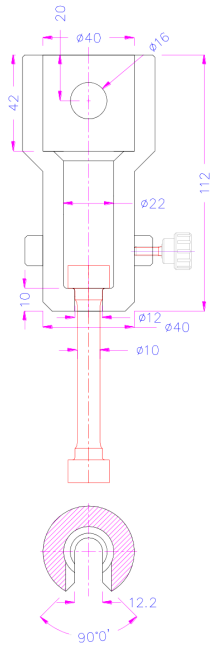
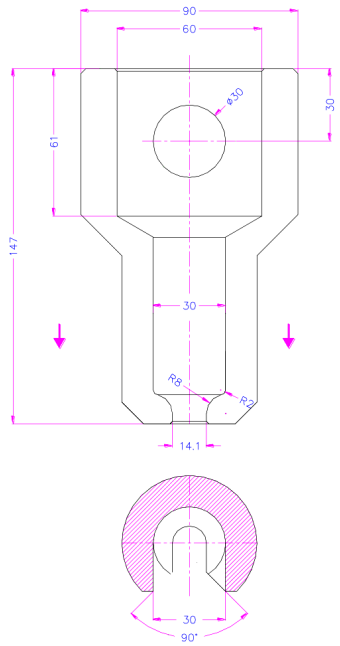


FIG. 4



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.