SHOULDER & BUTTON HEAD GRIPS

Spherically Seated Shoulder Grip Carrier 60 mm

300 kN side-loading carrier with spherical seat for interchangeable shoulder and thread inserts



OVERVIEW

Heavy-duty carrier for tensile tests on shoulder-head, threaded and screw-head specimens up to 300 kN. The carrier is open for side loading and holds interchangeable inserts in a spherical seat, which aligns the specimen with the load axis and minimizes bending. Inserts are split for button-head specimens and one-piece for threaded ends.

KEY FEATURES

- Spherical seat aligns the specimen and reduces bending stresses
- Open side for fast loading of specimen and insert
- Interchangeable inserts for button-head, threaded and screw-head specimens
- Split two-piece inserts for button-head specimens up to Ø 20 mm
- Hardened, nickel-coated steel rated to 300 kN
- Supplied with retaining pin and ring

TECHNICAL SPECIFICATIONS

Max. load	300 kN
Test type	Tensile test of shoulder-head and threaded specimens
Specimen diameter	Up to Ø 20 mm (button-head inserts)
Seat	Spherical, self-aligning
Coupling	Female clevis, Ø 60 mm; others on request
Material	Steel, hardened, nickel-coated
Temperature range	0 to 70 °C
Weight	4.5 kg per carrier
Scope of delivery	1 pair of carriers incl. pin and ring; inserts ordered separately

AVAILABLE VERSIONS

Carrier, 300 kN	Female clevis Ø 60 mm, pair
Button-head inserts	Split, sized by specimen diameter (max. 20 mm) and fillet radius
Threaded-end inserts	One-piece, sized by thread
Screw-head inserts	Sized by screw diameter
Example insert Ø 12.7 mm, R 9.53 mm	Max. 180 kN
Example insert Ø 6.35 mm, R 4.78 mm	Max. 50 kN

APPLICATIONS

- Metals tensile testing
- Threaded and button-head specimens
- Carbon and graphite specimens
- Bolts and screws

Ordering & customization: Specify the specimen type (button-head, threaded or screw-head), shank diameter and fillet radius or thread size, 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-310

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DIMENSIONAL DRAWINGS

FIG. 1

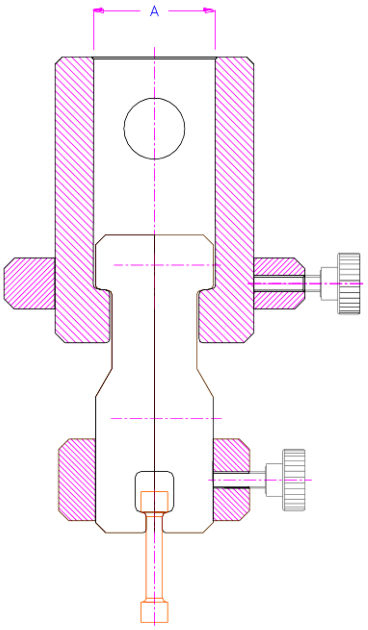


FIG. 2

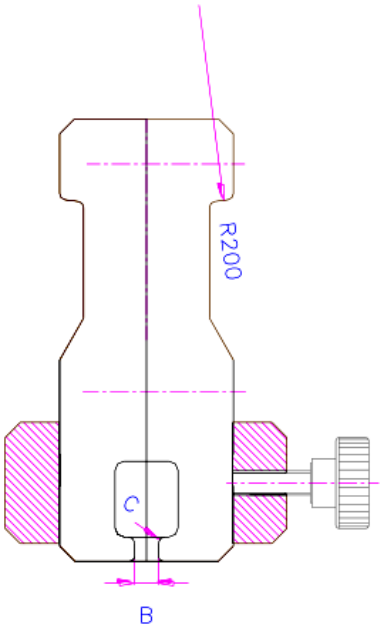


FIG. 3

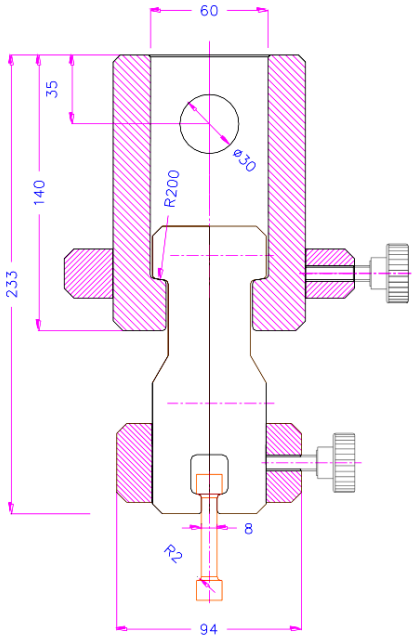
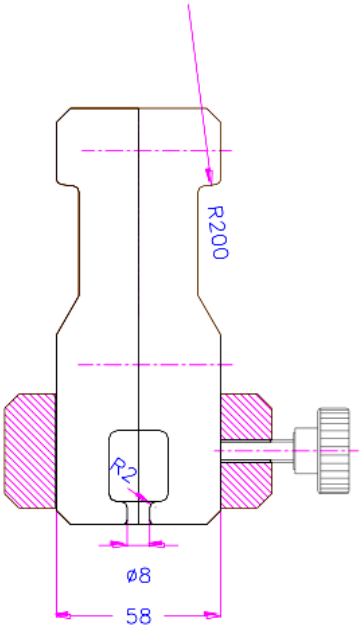


FIG. 4



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.