SHOULDER & BUTTON HEAD GRIPS

Button Head Grips with Split Inserts

Carrier grips with interchangeable two-piece inserts for button-head and shoulder-end specimens



OVERVIEW

Button-head grips for tensile tests on round specimens with button heads or shoulder ends. Each grip body accepts an interchangeable insert split into two halves, which close around the specimen shank and support the head on a radiused seat. Six body sizes cover loads from 50 kN to 1000 kN with insert diameters up to 56 mm.

KEY FEATURES

- Two-piece split inserts for fast loading of headed specimens
- Interchangeable inserts matched to shank diameter and corner radius
- Six body sizes from 50 kN to 1000 kN
- Wide range of clevis couplings from 15.9 mm to 120 mm
- Supports button-head and shoulder-end round specimens
- Carriers supplied in pairs; inserts ordered by specimen size

TECHNICAL SPECIFICATIONS

Max. load	50, 100, 250 or 1000 kN (by body size)
Test type	Tensile test of button-head / shoulder-end specimens
Max. insert diameter	20, 25, 30 or 56 mm
Body size	50 × 50 × 60 mm to 196 × 196 × 220 mm
Insert	Split in two halves, sized to shank diameter and corner radius
Coupling	Female clevis Ø 15.9 mm (5/8 in) to Ø 120 mm; others via adapter
Weight	1 kg to 50 kg per grip

AVAILABLE VERSIONS

50 kN, insert max. 20 mm	Body 50 × 50 × 60 mm, female clevis Ø 15.9, 19.2, 20 or 30 mm, 1 kg
50 kN, insert max. 20 mm	Body 50 × 50 × 72 mm, female clevis Ø 31.8 mm (1-1/4 in), 1.2 kg
100 kN, insert max. 20 mm	Body 50 × 50 × 68 mm, female clevis Ø 38 mm, 1.2 kg
100 kN, insert max. 25 mm	Body 78 × 78 × 80 mm, female clevis Ø 40 or 50 mm, 3 kg
250 kN, insert max. 30 mm	Body 94 × 94 × 110 mm, female clevis Ø 60 mm, 6 kg
1000 kN, insert max. 56 mm	Body 196 × 196 × 220 mm, female clevis Ø 120 mm, 50 kg

APPLICATIONS

- Metals tensile testing
- Threaded and headed round specimens
- Fastener and bolt material
- High-temperature alloy specimens

Ordering & customization: Specify the specimen shank diameter, head diameter and corner radius, the required 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-220

Button Head Grips with Split Inserts

DIMENSIONAL DRAWINGS

FIG. 1

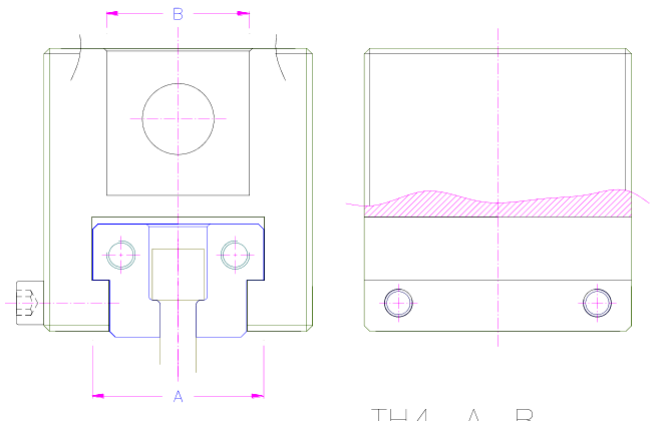


FIG. 2

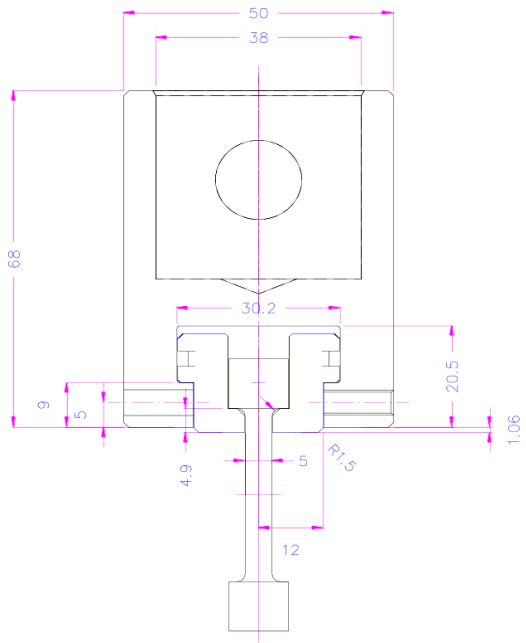


FIG. 3

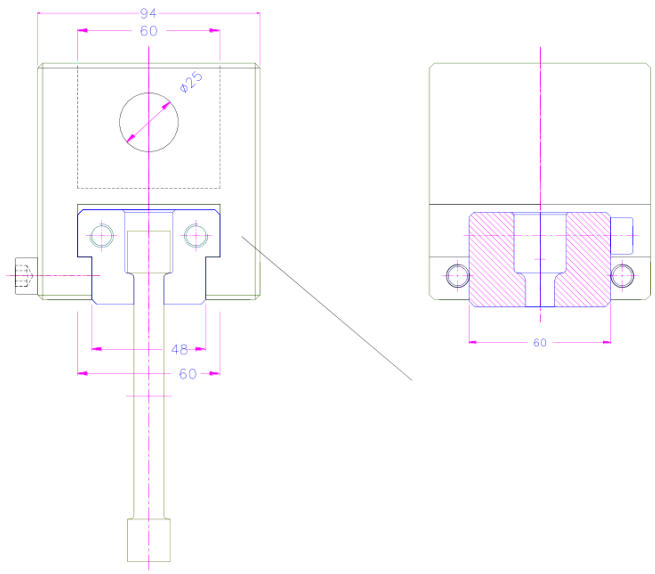
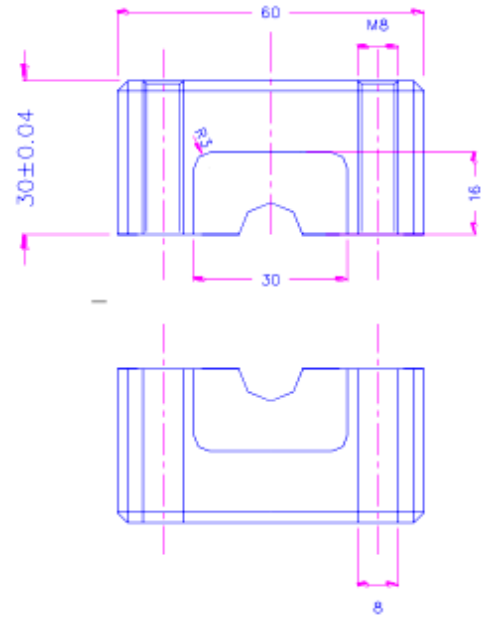


FIG. 4



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.