COMPRESSION PLATENS

Round Compression Platens

Aluminum and hardened steel round platens in pairs, Ø 56 to 344 mm



OVERVIEW

Round compression platens supplied in matched pairs for general compression testing on universal testing machines. Anodized aluminum platens suit soft specimens such as foams, cardboard and plastics, while hardened, nickel-plated steel platens suit metals, rigid plastics and stone. Both are ground flat to 0.02 mm and available with a wide range of clevis couplings.

KEY FEATURES

- Matched pairs in eight diameters from 56 to 344 mm
- Anodized aluminum for foams, cardboard and soft plastics
- Hardened steel (58 HRC) for metals, rigid plastics and stone
- Flatness tolerance 0.02 mm for uniform load distribution
- Wide choice of female and male clevis couplings
- Special versions with threaded holes, centering rings or TiN coating

TECHNICAL SPECIFICATIONS

Max. load	Depends on coupling size (e.g. 300 kN for Ø 196 mm steel)
Test type	Compression
Platen diameter	56, 96, 116, 156, 196, 246, 296, 344 mm
Material	Aluminum, anodized; or hardened steel 58 HRC, nickel-plated
Flatness	0.02 mm
Temperature range	-70 to +180 °C (aluminum); -70 to +280 °C (steel)
Coupling	Female clevis Ø 15.9 mm (5/8 in), Ø 20 mm or Ø 31.8 mm (1-1/4 in); others via adapter
Weight	Approx. 0.1 to 7.8 kg per platen, by size and material
Scope of supply	1 pair of platens

AVAILABLE VERSIONS

Ø 56 mm	Aluminum or steel
Ø 96 mm	Aluminum or steel
Ø 116 mm	Aluminum or steel
Ø 156 mm	Aluminum or steel
Ø 196 mm	Aluminum or steel
Ø 246 mm	Aluminum or steel

APPLICATIONS

- Foams, cardboard and soft plastics
- Metals and rigid plastics
- Stone, concrete and ceramics
- Components and finished parts

Ordering & customization: Specify platen diameter, material (aluminum or steel), machine coupling and maximum test load.

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-CP-170

Round Compression Platens

DIMENSIONAL DRAWINGS

FIG. 1

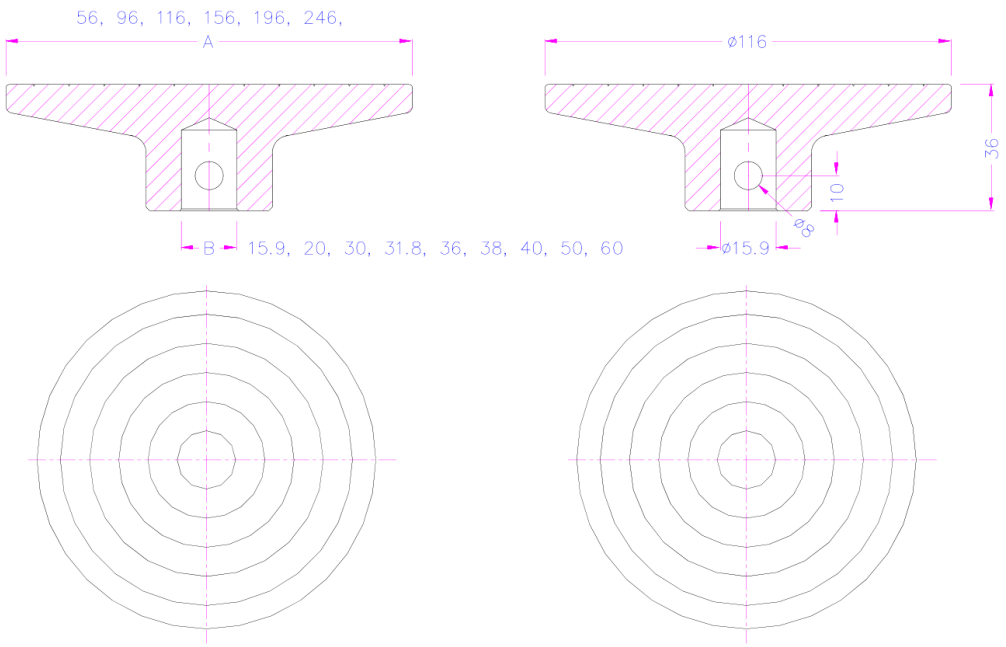
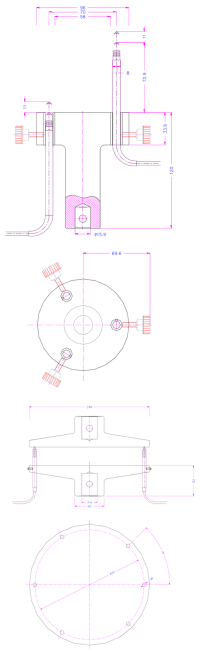


FIG. 2



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.