COMPRESSION PLATENS

Spherically Seated Compression Platen Wide Angle

Large-angle spherically seated platens for inclined or uneven specimen faces



OVERVIEW

Compression platens with an integral spherical seat that swivels through a large angle to follow specimens with inclined or uneven faces. The platen aligns itself to the specimen on first contact, and the smallest version can be locked in position. Available in anodized aluminum and hardened, nickel-plated steel from 56 to 200 mm diameter, with a 5/8 in female clevis coupling.

KEY FEATURES

- Large swivel angle of ±15° to ±20°
- Integral spherical seat aligns to inclined specimen faces
- Anodized aluminum versions for loads up to 10 kN
- Hardened, nickel-plated steel version for loads up to 20 kN
- Female clevis coupling, Ø 15.9 mm (5/8 in) pin
- Lockable 56 mm version for small specimens

TECHNICAL SPECIFICATIONS

Max. load	10 kN (aluminum), 20 kN (steel); 100 kN special version
Test type	Compression
Platen diameter	56, 100, 150 or 200 mm
Swivel angle	±15° to ±20°, depending on size
Material	Aluminum, anodized; or steel, hardened, nickel-plated
Temperature range	0 to +70 °C (aluminum); -70 to +280 °C (steel)
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin; others on request
Scope of supply	1 platen

AVAILABLE VERSIONS

Ø 56 mm	Lockable, ±20°, overall 68 × 75 mm
Ø 100 mm, aluminum	±20°, max. 10 kN
Ø 150 mm, aluminum	±15°, max. 10 kN
Ø 200 mm, steel	±15°, max. 20 kN, -70 to +280 °C
Ø 156 mm, steel, special	Self-aligning, ±20°, max. 100 kN

APPLICATIONS

- Foams and cellular materials
- Packaging and molded parts
- Specimens with inclined faces
- Components and assemblies

Ordering & customization: Specify platen diameter, material, required swivel angle, maximum load and machine coupling.

Drawings available on request
Contact us for dimensional drawings or 3D models of this product.

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-240