COMPRESSION PLATENS

Rectangular Compression Platens

Square and rectangular aluminum, steel and perforated compression platens



OVERVIEW

Square and rectangular compression platens for flat-face compression tests on universal testing machines. Anodized aluminum platens suit soft specimens such as cardboard and soft plastics, hardened nickel-plated steel platens suit metals, rigid plastics and stone, and perforated aluminum platens let air escape when testing foams. Supplied with an adapter for a standard machine coupling.

KEY FEATURES

- Aluminum sizes from 50 × 50 mm to 400 × 600 mm
- Hardened, nickel-plated steel sizes up to 396 × 396 mm
- Perforated versions with 6 mm vent holes for foam testing
- Adapter for a standard female or male clevis coupling included
- Special sizes, V-grooves and extensometer mounts on request

TECHNICAL SPECIFICATIONS

Max. load	Depends on coupling size and platen material
Test type	Compression
Platen size	50 × 50 to 400 × 600 mm (aluminum); 100 x 100 to 396 × 396 mm (steel)
Perforation	6 mm holes at 20 mm pitch (perforated versions)
Material	Aluminum, anodized; or steel, hardened, nickel-plated
Temperature range	-70 to +180 °C (aluminum); -70 to +280 °C (steel)
Coupling	Female clevis Ø 15.9 mm (5/8 in), 20, 30, 31.8 mm (1-1/4 in), 32, 36 or 40 mm; male Ø 31.7 mm; others on request
Weight	0.1 to 8.7 kg (aluminum), 1.5 to 33 kg (steel) per platen
Scope of supply	Platens with adapter for a standard coupling

AVAILABLE VERSIONS

Aluminum, square	50, 100, 120, 150, 200, 250, 300, 350, 400 mm
Aluminum, rectangular	120 × 180, 125 × 250, 150 × 300, 200 x 300, 400 × 600 mm
Steel, square	100, 196, 200, 246, 296, 396 mm
Perforated aluminum	100 to 400 mm square and 150 × 220 mm

APPLICATIONS

- Flexible and rigid foams
- Cardboard and packaging
- Metals, stone and hard plastics
- Mattresses and cushioning

STANDARDS ISO 3386-1, ISO 2439, ASTM D3574, ASTM D5672

Ordering & customization: Specify platen size, material (aluminum, steel or perforated), machine coupling, and whether one platen or a pair is required.

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-180

Rectangular Compression Platens

DIMENSIONAL DRAWINGS

FIG. 1

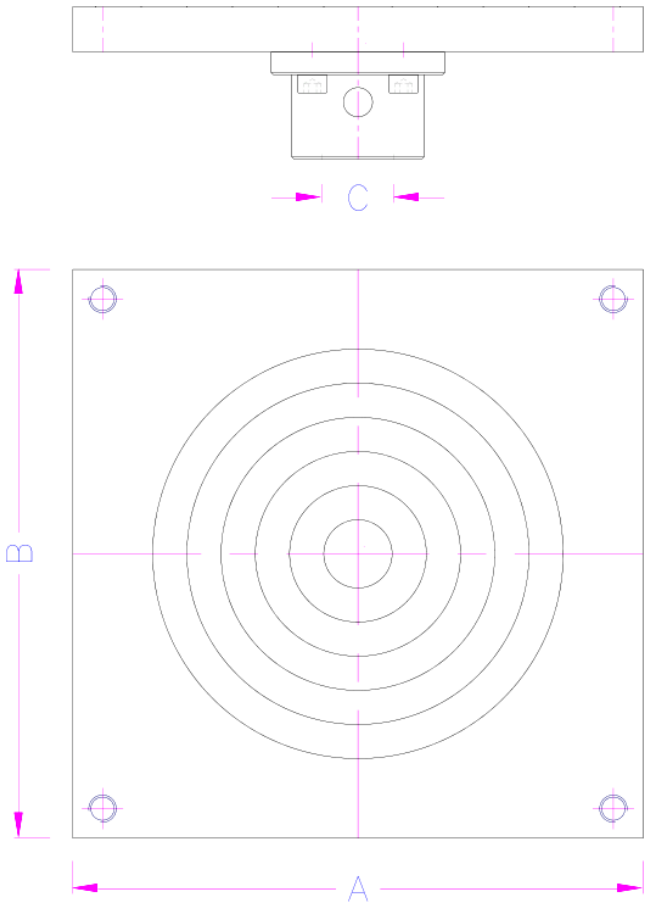
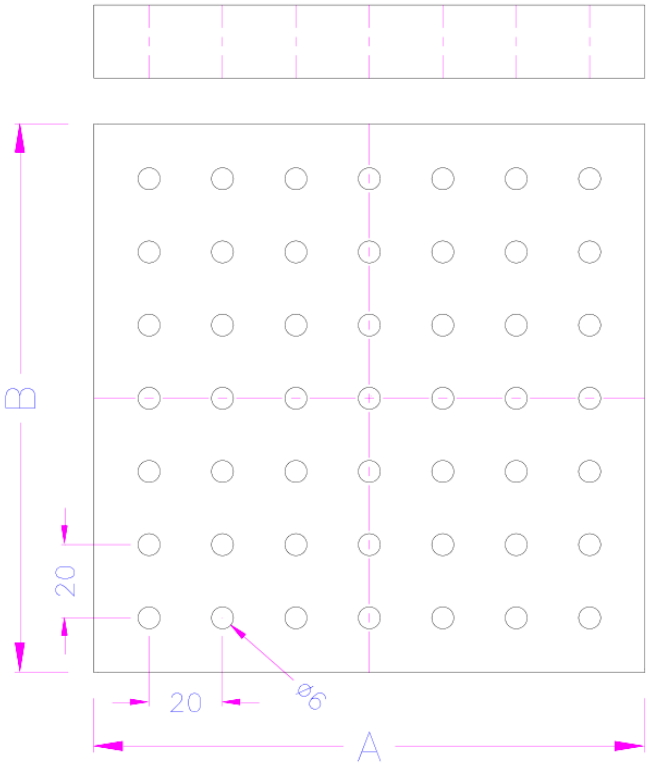


FIG. 2



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.