COMPRESSION PLATENS

Compression Test Probes

Hardened steel probes with radius, ball or flat tips for indentation tests



OVERVIEW

Compression test probes for indentation, puncture and local compression tests on a universal testing machine. Each probe is a hardened steel pin with a defined tip (radius, V-shaped radius, fixed or interchangeable ball, or flat round or rectangular face) and a clevis adapter for the load cell. Tip geometry, probe length and coupling are made to suit the test.

KEY FEATURES

- Tip types: radius, V-radius, ball, flat round, flat rectangular
- Interchangeable-ball versions for quick tip changes
- Hardened steel probes, 58 HRC, with nickel-plated finish
- Usable from -70 to +350 °C
- Standard female clevis couplings Ø 15.9 mm or Ø 20 mm
- Supplied with locking pin; custom lengths and tips on request

TECHNICAL SPECIFICATIONS

Max. load	Depends on coupling and probe size
Test type	Compression, indentation, puncture
Tip types	Radius, V-shaped radius, ball, flat round, flat rectangular
Probe length	Made to order (e.g. 40 mm pin, 80 mm total)
Material	Steel, hardened 58 HRC, nickel-plated
Temperature range	-70 to +350 °C
Coupling	Female clevis Ø 15.9 mm (5/8 in) or Ø 20 mm; others on request
Scope of supply	1 probe incl. locking pin

AVAILABLE VERSIONS

Radius tip R2.5 mm	40 mm pin, 80 mm total length
Radius tip R5 mm	40 mm pin, 80 mm total length
Ball tip Ø 10 mm	40 mm pin, 80 mm total length
Radius tips R0.5-120 mm	Made to order
Ball tips Ø 2.5-10 mm	Fixed or interchangeable ball
Flat tips Ø 2.5-50 mm	Round or rectangular faces

APPLICATIONS

- Packaging puncture resistance
- Foam and elastomer indentation
- Floor coverings and panels
- Medical closures and components

Ordering & customization: Specify tip type and size (radius, ball or flat diameter), probe length, coupling and maximum test load.

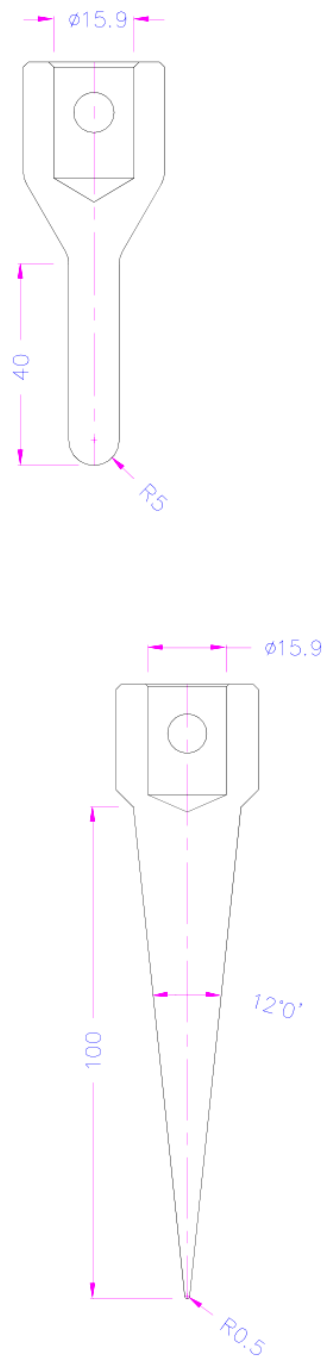
Dimensional drawings
See page 2. Certified drawings and 3D models available on request.

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-250

Compression Test Probes

DIMENSIONAL DRAWINGS

FIG. 1



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.