SHEAR FIXTURES

Plastics Shear Punch Fixture

Punch-tool shear fixture for plastics per ASTM D732



OVERVIEW

A shear punch fixture for the shear strength of plastics to ASTM D732. The sheet specimen is clamped in the fixture, which sits on a compression platen, and a punch is pushed through it to cut a 25.4 mm (1 in) disk. The peak force over the sheared area gives the shear strength. A 20 kN version with coupling and a 100 kN platen-loaded version are available.

KEY FEATURES

- Conforms to ASTM D732 punch-tool shear test
- Cuts a 25.4 mm (1 in) diameter disk
- 20 kN version with clevis-coupled punch
- 100 kN version loaded between two platens
- Corrosion-resistant construction made of nickel-plated steel

TECHNICAL SPECIFICATIONS

Test type	Punch shear, compression mode
Max. load	20 kN or 100 kN
Punch diameter	25.4 mm (1 in)
Coupling	Female clevis Ø 15.9 mm or Ø 20 mm (20 kN version); none (100 kN version)
Material	Steel, nickel-plated
Temperature range	0 … +70 °C (others on request)
Weight	Approx. 4 kg
Accessories	Compression platens (not included)

AVAILABLE VERSIONS

20 kN version	Punch with clevis coupling; lower platen required
100 kN version	Punch without coupling; upper and lower platens required

APPLICATIONS

- Plastic sheet
- Molded plastics
- Composite laminates
- Polymer QC labs

STANDARDS ASTM D732

Ordering & customization: Specify capacity (20 kN or 100 kN), the machine coupling and the compression platens needed.

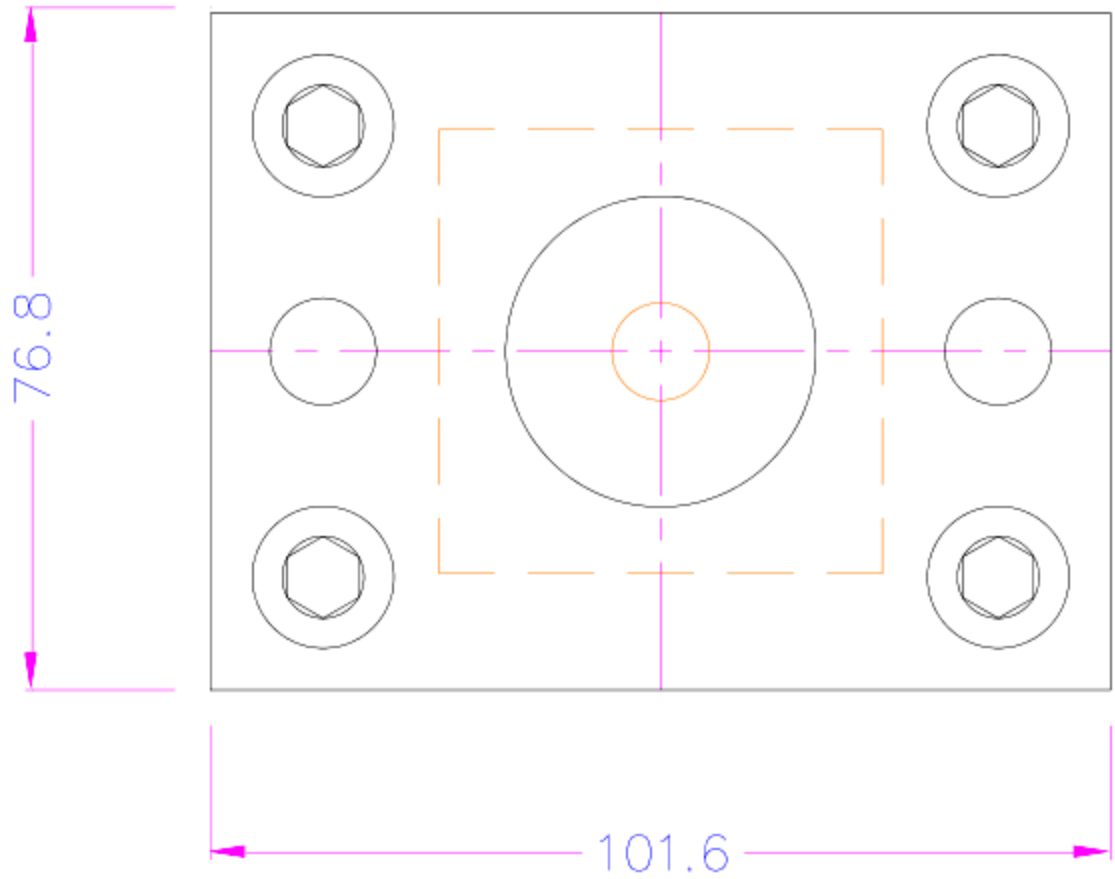
Dimensional drawings
See page 2. Certified drawings and 3D models available on request.

Specifications are typical and may vary by configuration; confirm at time of quote. Custom versions, couplings and adapters available on request. Part ref. UGC-SF-240

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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.