PUNCTURE FIXTURES

Ball Burst Puncture Fixture ISO 9073-5

Ring clamp and ball probe for bursting strength of textiles and nonwovens



OVERVIEW

A ball burst fixture for determining the bursting strength of textiles, nonwovens and coated fabrics according to ISO 9073-5, ASTM D3787 and related standards. The sample is clamped between upper and lower rings with a 44.45 mm opening and pushed through by a 25.4 mm ball probe until it bursts. A version for coated fabrics to ISO 3303-1 is also available.

KEY FEATURES

- Clamp ring opening of Ø 44.45 mm (1.75 in)
- Ball probe of Ø 25.4 mm (1 in)
- Rated 20 kN or 50 kN depending on coupling size
- Usable from -40 °C to +80 °C
- Nickel-plated steel construction for corrosion resistance
- Versions for ISO 3303-1 and for smaller specimens

TECHNICAL SPECIFICATIONS

Max. load	20 kN (Ø 15.9 or 20 mm clevis); 50 kN (Ø 31.8 mm clevis)
Ring opening	Ø 44.45 mm (1.75 in)
Ball probe	Ø 25.4 mm (1 in)
Coupling	Female clevis Ø 15.9 mm (5/8 in), Ø 20 mm or Ø 31.8 mm (1-1/4 in); others on request
Material	Steel, nickel-plated
Temperature range	-40 to +80 °C (others on request)
Weight	7.5 kg
Scope of supply	1 fixture incl. probe

AVAILABLE VERSIONS

Standard	Ring Ø 44.45 mm, ball Ø 25.4 mm; ISO 9073-5, ASTM D3787
ISO 3303-1	Ring Ø 45 mm, plunger Ø 25.2 mm, 20 kN, 7.3 kg
Small specimen	Hole Ø 11.1 mm, punch Ø 6.35 mm

APPLICATIONS

- Knitted fabrics
- Nonwoven fabrics
- Rubber- or plastic-coated fabrics
- Medical and hygiene textiles

STANDARDS ISO 9073-5, ASTM D3787, ASTM D6797, ASTM D751, GB 19976, ISO 3303-1

Ordering & customization: Specify the standard, the machine coupling (sets 20 or 50 kN) and any special temperature range.

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-PF-060

Ball Burst Puncture Fixture ISO 9073-5

DIMENSIONAL DRAWINGS

FIG. 1

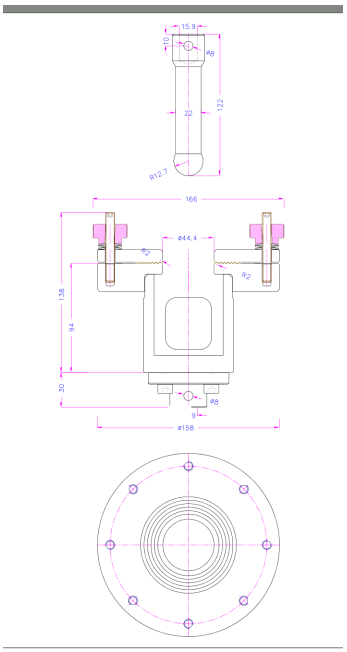


FIG. 2

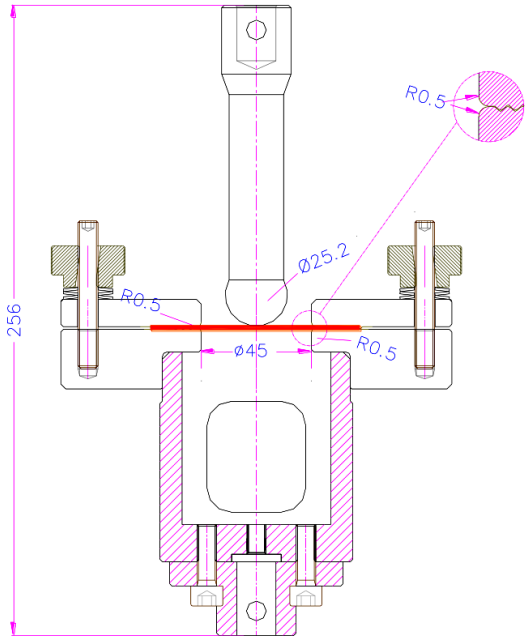


FIG. 3

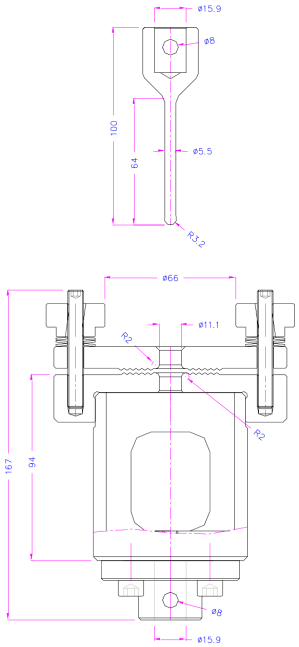
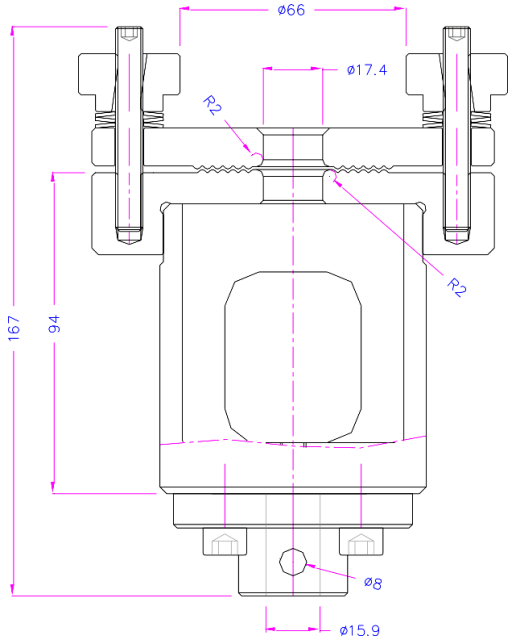


FIG. 4



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.