STANDARDS TEST FIXTURE

Needle Tear Seam Strength Fixture ISO 17697

Needle tear fixture for seam strength of footwear uppers, linings and insocks



OVERVIEW

Needle tear fixture for determining the seam strength of footwear uppers, linings and insocks according to ISO 17697 Method A and EN 13572 Method A. A row of needles pierces the specimen next to the seam; the free end is held in a lower grip and the force to tear the material from the needles is recorded. Compact nickel-plated steel body.

KEY FEATURES

- Needle arrangement per ISO 17697 and EN 13572, Method A
- Also meets the Adidas ST-05 seam strength method
- Compact nickel-plated steel body, 0.19 kg
- M8 thread connection with adapters to common clevis couplings
- Use with a small vise grip on the free specimen end
- Yarn slippage version available for woven fabrics

TECHNICAL SPECIFICATIONS

Max. load	Depends on coupling/adapter used
Test type	Needle tear (seam strength), tension
Specimen	Footwear uppers, linings, insocks
Material	Steel, nickel-plated
Coupling	M8 thread; clevis adapters available
Temperature range	0 to +70 °C; others on request
Weight	0.19 kg without adapter
Scope of supply	1 fixture; lower grip not included

AVAILABLE VERSIONS

ISO 17697 / EN 13572 Method A	Needle tear fixture for footwear seam strength
ISO 12402-7 Fig. 1	Needle tear fixture for yarn slippage of woven fabrics

APPLICATIONS

- Footwear uppers and linings
- Insock seam testing
- Woven fabric yarn slippage
- Sports footwear QC

STANDARDS ISO 17697, EN 13572

Ordering & customization: Specify machine coupling and lower grip (2.5 kN vise grip with pyramid or smooth jaws recommended), and whether the ISO 12402-7 yarn slippage version is 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-ST-630

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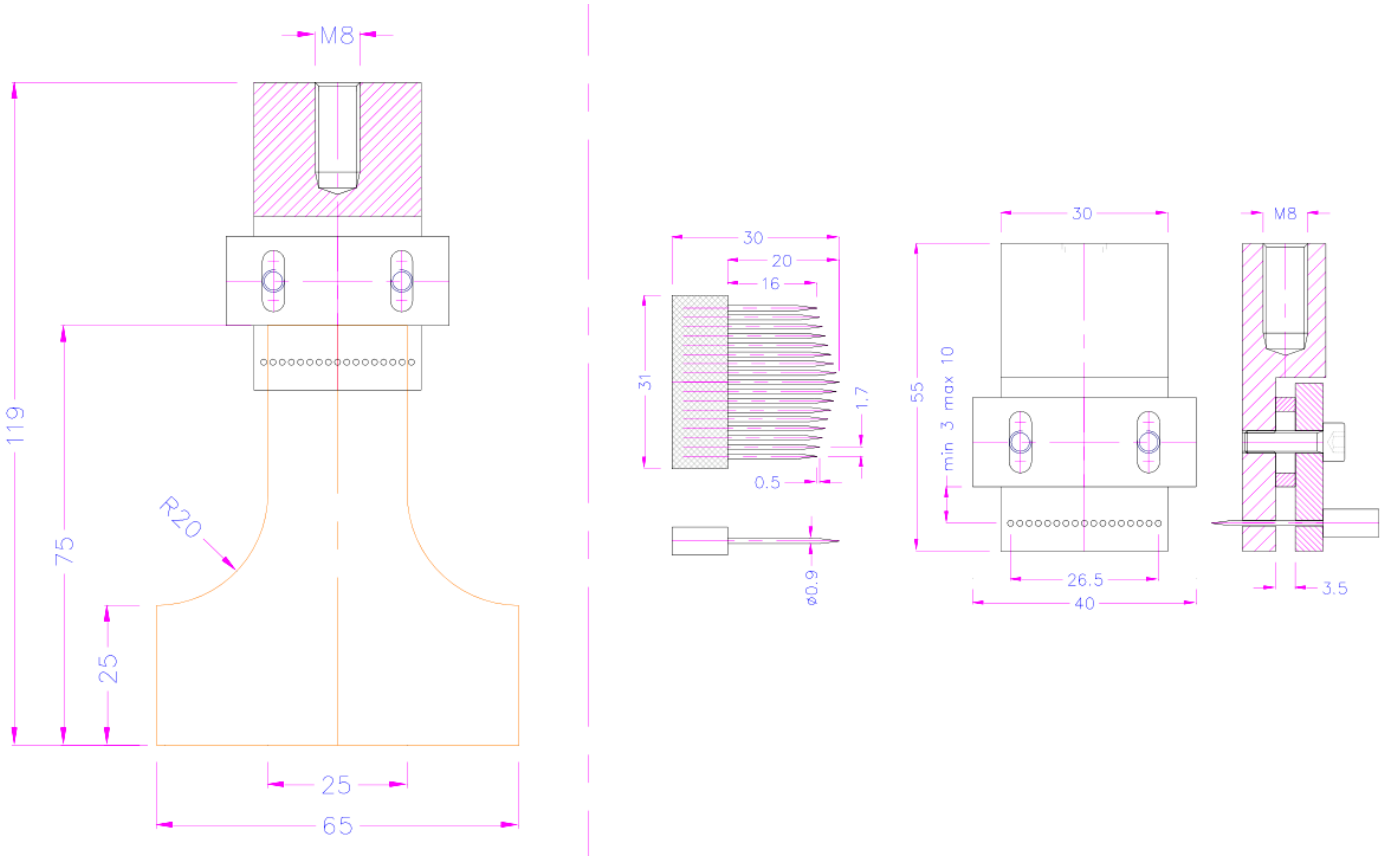
DIMENSIONAL DRAWINGS

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.