PUNCTURE FIXTURES

Packaging Puncture Resistance Fixture EN 14477

Needle puncture fixture for packaging and flexible packaging materials to EN 14477



OVERVIEW

A puncture fixture for measuring the puncture resistance of packaging and flexible packaging materials according to DIN EN 14477. The specimen is clamped in the lower holder and penetrated by a needle mounted on the upper adapter, recording the force needed to puncture. Round 0.8 mm and flat 3 mm needles are available, and custom needle shapes can be made.

KEY FEATURES

- Built to DIN EN 14477 for packaging materials
- Supplied with a Ø 0.8 mm round needle
- Flat 3 mm needles and custom needle shapes available
- Interchangeable needles in a separate needle holder
- Accepts specimens up to 3 mm thick
- 10 kN capacity with steel body

TECHNICAL SPECIFICATIONS

Max. load	10 kN
Test type	Needle puncture
Max. specimen thickness	3 mm
Needle	Ø 0.8 mm round (standard); 3 mm flat optional
Coupling	Female clevis, Ø 15.9 mm (5/8 in) pin; others on request
Body	Steel
Temperature range	0 to +70 °C (others on request)
Scope of supply	1 fixture incl. Ø 0.8 mm needle

AVAILABLE VERSIONS

Standard	Fixture with Ø 0.8 mm round needle
Needle holder	Spare holder without needle
Flat needle	3 mm wide
Custom needle	Shape to customer specification

APPLICATIONS

- Flexible packaging films
- Blister and pouch materials
- Medical packaging
- Laminates and foils

STANDARDS EN 14477

Ordering & customization: Specify needle type (round 0.8 mm, flat 3 mm or custom), specimen thickness and the machine coupling.

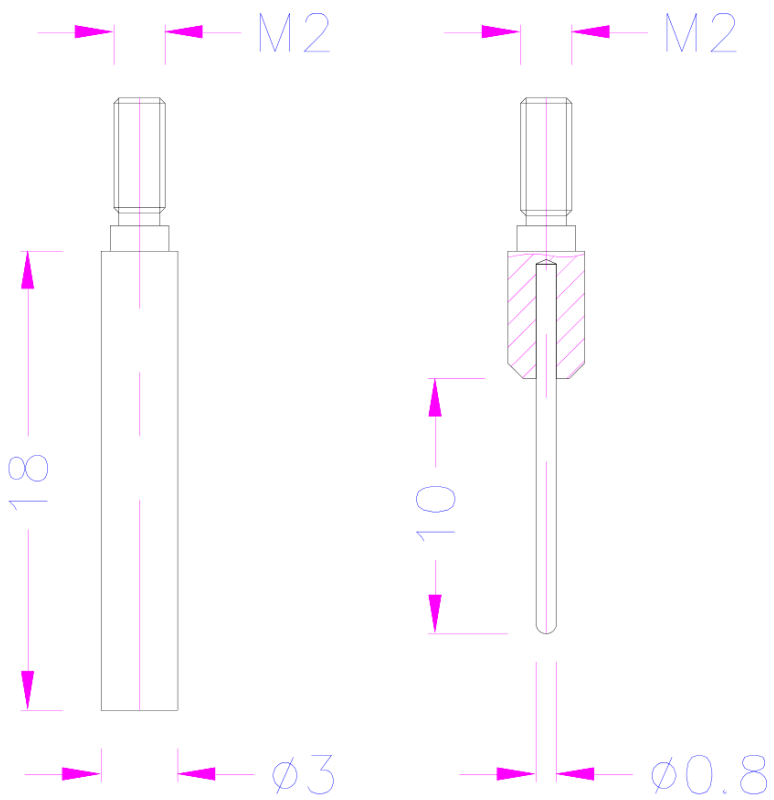
Dimensional drawings
See page 2. Certified drawings and 3D models available on request.

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-080

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DIMENSIONAL DRAWINGS

FIG. 1



	Needle:	Form:
	Needle, 3 mm wide	Flat form
	Needle, Ø 0.8 mm	Round form
	Customized needle	

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.