PUNCTURE FIXTURES

# Protective Clothing Needle Puncture Fixture

Needle puncture fixture for protective clothing materials and medical needle tests to ASTM F2878



## OVERVIEW

A needle puncture fixture for testing the resistance of protective clothing materials to hypodermic needles according to ASTM F2878, and for needle penetration tests under medical device standards such as ISO 7864. The specimen is clamped in a holder and a needle in the upper adapter penetrates it at controlled speed while the force is recorded. Capacity is 2 kN.

## KEY FEATURES

- Covers ASTM F2878, ASTM F1342 and medical needle standards
- Clamped specimen holder for flat materials
- Interchangeable needle holder in the upper adapter
- 2 kN capacity for low-force puncture tests
- Lightweight construction of steel, aluminum and plastic
- Alternative needle holder design available for ASTM F2878

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Max. load** | 2 kN |
| **Test type** | Needle puncture / penetration |
| **Specimen** | Protective clothing materials, closures, medical items |
| **Needle** | Holder for test needles |
| **Coupling** | Female clevis, Ø 15.9 mm (5/8 in) pin |
| **Material** | Steel, aluminum, plastic |
| **Temperature range** | On request |

## AVAILABLE VERSIONS

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|---|---|
| **Standard** | Multi-standard needle holder |
| **ASTM F2878** | Alternative needle holder design |

## APPLICATIONS

- Protective gloves and clothing
- Medical needles and syringes
- Infusion bottle closures
- Healthcare PPE

**STANDARDS** ASTM F2878, ASTM F1342, ISO 7864, ISO 80369-7, ISO 11040-4, ISO 8536-4, DIN 13097-4, GOST 25377, GOST 22967

**Ordering & customization:** Specify the standard, needle type and gauge, specimen size and the machine coupling.

**Drawings available on request**
Contact us for dimensional drawings or 3D models of this product.

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-140