

Puncture Resistance Test Jig, QC fitting

MecS511

A puncture resistance fixture designed for tests based on European standard EN 14477: "Flexible packaging material—Determination of puncture resistance"; also known as the 'Parker Pen' or 'Parker Ball-Point' test.

The procedure is used to measure the resistance of flexible (including multilayer) packaging materials to penetration or puncture by sharp internal items or external objects. The peak force, energy, and elongation to break are determined.

A sample specimen of film is clamped in the lower fixture holder and is punctured from above by the 0.8 mm diameter probe.



Item No:	MecS511
Rated capacity	500 N
Body	Steel

Scope of delivery: 1 test jig including both lower and upper fixtures each with a bore-hole to allow connection to QC-20 fixing posts.

Applications

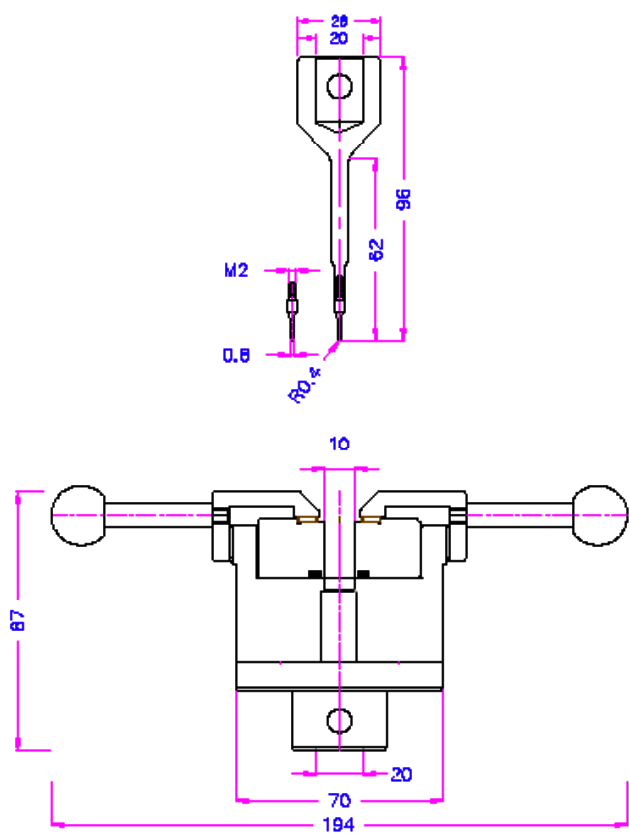
Characterisation of flexible packaging films, laminates and other similar materials for slow-rate penetration resistance.

- Food packaging
- Medical instruments and sharps packaging
- Textiles with a high degree of elongation

Consult Mecmesin for test jigs to specifically conform to:

- ASTM F1306 Slow Rate Penetration Resistance of Flexible Barrier Films and Laminates
- ASTM D3787 Bursting Strength of Textiles—Constant-Rate-of-Travel (CRT) Ball Burst Test.

Dimensions mm (inch)



FS 58553

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