

Mandrel Test Device for Insulation Material Testing

This device tests insulation material according to IEC standards. It assesses mechanical strength and durability under stress with a calibrated weight and adjustable components.



Product Overview

Precision Insulation Testing

This Mandrel Test Device is specifically engineered for conducting layer abrasion tests on insulation materials, ensuring compliance with international safety standards. It provides a reliable method for assessing the mechanical strength and durability of thin sheet specimens. The device features a robust construction with a smooth-finish mandrel and includes calibrated weights to ensure precise force application during testing procedures.

Compliance & Standards

Applicable Standards	IEC61558-1 Fig 6, IEC60065 Fig 14-16
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Technical Specifications

Included Weights

- 150 N weight
- 1 N weight

Mandrel Material	Nickel plated steel or brass
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Test Parameters

Test Load Requirements

Specimen Type	Pull Force
Several non-separable layers	150 N
2/3 number of separated layers	100 N
Single layer (serrated or not)	50 N

Metal Foil Positioning

20 mm Border Distance	10 mm Edge Coverage	1 N Foil Pull Force
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