

Pneumatic Fixture for Material Strength Tester

This pneumatic fixture is designed for use with a material strength tester. It is suitable for testing steel fabrics, elastic fabrics, knitted fabrics, hosiery, and glove products to determine ball burst strength and expansion.



Product Overview

Precision Pneumatic Material Strength Tester

This pneumatic fixture is designed for material strength testing, specifically supporting ball burst strength and expansion tests for various textiles including elastic fabrics, knitted fabrics, and hosiery. Featuring computer-controlled constant speed elongation and efficient pneumatic clamping, it ensures high precision and reproducible results. The system is compatible with multiple international testing standards, making it a reliable solution for quality control in material science and textile laboratories.

Technical Performance

Force Range

300 N

Minimum Force

2500 N

Maximum Force

Test Speed

500 mm/min

Load Accuracy

$d \pm 0.02\%F \cdot S$

Mechanical Specifications

Fixture Diameter

- 45mm (Standard)
- 25mm (Optional)

Ball Head Diameter

- 38mm (Standard)
- 25mm (Optional)
- 20mm (Optional)

Dimensions

530 × 510 × 1250 mm

Weight

120 kg

Certifications & Standards

Certifications

CE • ISO 9001:2000

International Standards Supported

FZ/T 01030-93, GB/T 19976, FZ/T 60019-1994, EN 12332-1, GB/T 8878, ASTM D3787, ASTM D6797