

TearTESTER II™

(Can work for three Ranges:, 3200, 6400,12800 gms.)

INTRODUCTION

Paramount **tearTESTER II™** is used to evaluate the tearing strength of fabrics, plastic films, or other similar materials .The instrument works on Elmendorf principle.

EQUIPMENT

Paramount **tearTESTER II™** is completely made of stainless steel. It consists of a sector pendulum pivoted on anti-friction ball bearings on a vertical bracket fixed on a rigid metallic base. The test specimen in shape of a rectangular piece is held between two Jaws, one of which is mounted on the pendulum and the other is mounted on the Vertical Arm. The Jaws clamps are mounted in such a manner that their holding faces are aligned with each other when the pendulum is locked in its raised position.

An adjustable knife is also mounted on the Vertical Arm. It is centered between the two Jaws for making initial slit in the test specimen. The pendulum is released by lifting a brake release lever. This action causes the test specimen to tear right through. The tearing strength is indicated on a calibrated scale fitted on the pendulum by a fine pointer. A Set of calibrated check weights are supplied with the tester for Verification calibration of the scale at 3200, 6400 and 12800 Gms. Capacities.

In order to increase the capacity of the tester, from 3200 gms augmenting weights of 6400 gms. & 12800 Gms are supplied as standard Accessories.

SALIENT FEATURES

- Specially designed high capacity equipment to determine tearing strength of fabrics.
- Maximum Capacity up to 12.800Kgs.
- Stainless steel body with adjustable cutting knife for long life & durability.
- Having three variable capacity 3.200kg, 6.400kg & 12.800kg for different type of fabrics.
- Smooth precision engineered components for excellent performance.
- Complete with accessories including three calibration weights.
- Supplied with calibration & inspection certificates

tearTESTER II™ is supplied complete with below accessories.

Main Unit	: 01 No.
Augmenting Weight for 3200 gms.(self weight of pendulum)	: 01 No.
Augmenting Weight for 6400 gms.	: 01 No.
Augmenting Weight for 12800 gms.	: 01 No.
Bush for Augmenting Weight	: 01 No.
Allen Bolt (Small & Big) for Augmenting Weight	:04No
Allen Key (5 mm)	: 01No.
Specimen Cutting Template	: 01 No.
Weight to Check Calibration (3200, 6400 & 12800 gms.)	: 01 No. Each
Detailed User's Manual	: 01 No.
Calibration Certificate (Traceable to NPL).	: 01 No.
Inspection & Conformance Certificate	: 01 No.



TECHNICAL DETAILS

Capacity	: 3200 gms (By adding Augmenting weights)
	: 6400 gms (By adding Augmenting weights)
	: 12800 gms (By adding Augmenting weights)
Clamping surfaces of each clamp	: 35.5 mm Length x 15.5mm width
Distance between clamps	: 2.5 ^{±0.25} mm
Tearing Distance	: 43 ^{±0.15} mm
Slit Size	: 20 ^{±0.2} mm
Balancing weight main pendulum	: 50 x 50 x 2.5 mm
Main pendulum	: 240 (R) x 5 (T) mm
Template Size	: As per ASTM Standard.
Scale Reading	: 0 to 100% of range (Least Count : 1%)
Calibration check weights	: At 3200 gms.
	At 6400 gms.
	At 12800 gms.
Dimension:	520(L) x 255(W) x 560(H) mm
	20.5(L) x 10(W) x 22(H) Inch.
Weight	: 41 kgs (90.20 lbs)

REFERANCE STANDARDS

It adheres to BS 4253,ASTM D 1424-96,DIN 53862,and BSEN ISO 13937 standards.



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Indian Standards**