

PUNCTURE TESTER 13-50



For measuring the energy required to puncture corrugated board and thereby help assess the protective qualities of that board.

FEATURES

- Safety guards
- Energy absorbed is recorded on an easy-to-read scale
- Slip collar
- Robust and heavy construction
- Four energy ranges:
 - 0-5 Nm in 0.1 Nm graduations
 - 0-1- Nm in 0.1 Nm graduations
 - 0-20 Nm in 0.2 Nm graduations
 - 0-36 Nm in 0.2 Nm graduations

Interchangeable weights are supplied for each of these energy ranges.

The Puncture Tester is designed to measure the energy required to puncture corrugated board and therefore help assess the protective qualities of that board. In addition to the risk of damage from transport and stacking there is the potential of being struck by sharp objects.

A puncture head, consisting of a stainless steel right-angled triangular pyramid is attached to a solid arm. The arm, under load, swings through an arc until it contacts the specimen clamped between two horizontal plates. The upper plate is fixed; the lower is spring loaded. Each has a triangular hole to accommodate the puncture head. A collar, loosely fitted to the cylindrical extension to the puncture head, detaches after penetration and adheres to the specimen, keeping the hole open and preventing and braking action on the pendulum.

The instrument is built to avoid any vibration that would affect the test values.

APPLICATIONS

Corrugated board

STANDARDS:

DIN 53142 Testing of board - Puncture test - Part 1: Puncture test with a pendulum punching device

TAPPI T-803 Puncture test of container board

ISO 3036 Board – Determination of puncture resistance

ASTM D781 Puncture Resistance

SPECIFICATIONS

Model: 13-50-01

Weight: 105 kg (231 lbs)

Dimensions: 750 mm W x 800 mm D x 850 mm H
(30 in x 31 in x 33 in)

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