

Conical Mandrel Tester

The varying mandrel diameter (3.2 mm - 38.1 mm, 1/8 to 1.5 inches) stretches a coating through a gradient of distension, allowing precise determination of adhesion characteristics.

- Aluminum panels up to 20.3 cm (8 inches) wide and 1.6 mm (.063 inches) thickness can be tested
- Steel panels up to 20.3 cm (8 inches) wide and 0.8 mm (.031 inches) thickness can be tested
- Durable sturdy stainless steel mandrel
- Built-in ruler to measure the failure point
- Compliant with ASTM D522 Method A

Procedure

- Carefully cover test panel with paper between mandrel and draw bar, and clamp the probe
- Fold the test panel around the cone by using the manually operated arm that is pivoted at the ends of the axis of the cone
- Bend uniformly at 180 degrees within 15 seconds
- Remove panel and examine the coating for cracks
- Mark the point at which the cracking stops and measure the distance from the farthest end of the crack to the small end of the mandrel
- Appropriate calibration curves also permit determination of the elongation values of the paint film



Standards

ASTM	D 522, D 1737
ISO	6860

Ordering Information

Cat. No.	Description
5750	Conical Mandrel Tester

Comes complete with:

Stainless Steel Conical Mandrel
Operating instructions

Technical Specifications

Net Weight	Dimensions	Shipping Weight
4.1 kg (9.0 lbs)	510 x 150 x 180 mm (20 x 6 x 7 in)	5.5 kg (12.0 lbs)