



CYLINDRICAL MANDREL BEND TESTER

Cylindrical Mandrel Bend Tester is used for testing the flexibility of a coating, and resistance of a coating of paint, varnish or related product to cracking or detachment from a metal panel. It complies with GB/T 6742-2007 (equivalent to ISO 1519:2002)

The coated panel is bent through 180° over a period of 2 to 3 seconds, if there are no signs of failure a fresh coated panel is to be bent over the next smaller diameter mandrel, repeat the test over smaller diameters until failure is observed.

Pass/fail criteria

Upon establishing the smallest diameter mandrel that the panel can be bent over without failure and the next smaller diameter mandrel, where the coating fails, pass/failure criteria can be defined for quality control.



Standards

ISO 1519 type 2, JIS K 5600-5-1, AS/NZ 1580.402.1 – 2003 (2013)

Technical Specification

ROD	THICKNESS	WIDTH	LENGTH	RECOMMENDED LENGTH
2mm	≤0.5mm	≤60mm	57 - 75mm	73mm
3mm			58 - 76mm	
4mm			60 - 79mm	
5mm			61 - 81mm	
6mm			63 - 84mm	
8mm			66 - 89mm	
10mm	≤1mm		69 - 94mm	105mm
12mm			72 - 99mm	
16mm			79 - 109mm	
20mm			85 - 115mm	
25mm			93 - 123mm	
32mm			104 - 134mm	

Ordering Information

Product Ref	Description
WQ-II	Cylindrical Mandrel Bend Tester



MODERN
INSTRUMENTS



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