



WQ-II Cylindrical Mandrel Bend Tester



1. Introduction:

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 instrument can be used for no more than 1 mm thickness of panel, it can also be used for thicker soft metal panel such as aluminum panel & plastic panel if only to guarantee mandrel deformation not occurring. For more than 0.5 mm thickness of panel, it is suggested that avoid using diameter less than 10 mm mandrel for testing.

Bending piece is nylon contact, adjust mandrel (sleeve) position by turning screw handle. Bending piece can be rotated around copper bush, all kinds of mandrel are installed in between copper bush. 20 mm, 25 mm and 32 mm sleeve, when using, sleeve cover 16 mm mandrel. Insert a piece of paper between panel and bending piece in order to prevent coating from scratch during bending process.

**II. Main Technical Parameters:**

Rods	thickness	width	length	Recommend 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	≤60mm	69~94mm	105mm
12mm			72~99mm	
16mm			79~109mm	
20mm			85~115mm	
25mm			93~123mm	
32mm			104~134mm	

III. Ordering Information:

Type	Name
WQ-II	Cylindrical Mandrel Bend Tester