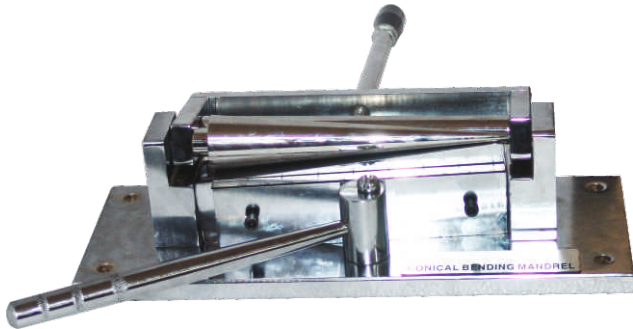




## Conical Bending Mandrel



**Conical Bending Mandrel** is a laboratory apparatus to bend coated test panels over a conical shaped mandrel in order to assess the elasticity or resistance of a coating paint or varnish to cracking; elongation and / or detachment from a metal test panel in accordance with ISO 6860 and ASTM D522.

The conical shape of the bending area allows the deformation of the test panel and examination of the elasticity range of a coating.

The Conical Bending Mandrel Tester is a compact, robust instrument made of enameled steel which is suitable for table-top use. The conical mandrel and the pivoted pressure roller running parallel to the surface of the cone are made of steel. The clamping device is equipped with a cam lever which ensures a rapid and uncomplicated change of specimens. The conical mandrel bending test is a commonly used testing method for assessing the flexibility and the adhesion properties of coatings when these are subjected to bending stresses.

### Key Specification :

Conical Cylinder	Diameter of Conical Cylinder 3.1mm $\pm$ 0.1mm and 38 mm $\pm$ 0.1 mm
Length of Conical Cylinder	8 Inch
Max Sample Thickness	0.8 mm
Sample Clamp	Hand Operated Lever
Conical Cylinder Material	Stainless Steel
As per Sample size	75 mm x 150 mm

### Highlight :

Measuring Scale	1 (Inbuilt in Machine)
Steel Roller	1 (Inbuilt in Machine)
Material / Finish	Mild Steel Bright Chrome Plated for corrosion Resistant finish

### Optional:-

- Bending mandrel with multiple mandrel size also available on request.

