

## Elcometer 1510 Conical Mandrel Bend Tester

The Elcometer 1510 Bend Tester is a mechanical tester used to determine the effects of bending on the elasticity, adhesion and elongation properties of cured coatings on sheet metal.

The frame has a bending lever with a roller which pivots on a steel conical mandrel with a diameter from 3.2 - 38.1mm (0.12 - 1.5"). A graduation indicates the mandrel diameter in both mm and inches.

The specimen can be bent on part of, or along, the entire length of the mandrel, and the results (cracks) corresponding to different test diameters can be observed in a single operation. This is ideal for use in conjunction with the cylindrical mandrel, as it identifies the stop point for more focused testing.

As the instrument is machined out of a solid block of steel, the particularly robust and rigid construction provides excellent resistance to wear and provides long service life. A large, sturdy anodised base, which can be permanently fixed to a workstation, ensures stability during testing.



**STANDARDS:**

ASTM D 522-A, BS 3900-E11, ISO 6860

### Technical Specification

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Part Number	Description	Certificate
K0001510M001	Elcometer 1510 Conical Mandrel Bend Tester	○
Diameter Range	3.2 - 38.1mm (0.1 x 1.5")	
Sample Size	180 x 100 x 0.8mm (7 x 4 x 0.03")	
Dimensions	325 x 350 x 100mm (12.8 x 13.8 x 4")	
Weight	9kg (20lb)	
Packing List	Elcometer 1510 Conical Mandrel Bend Tester and operating instructions	

○ Optional Calibration Certificate available.