

# elcometer® **1510 Conical Mandrel Bend Tester**

Can be used in accordance with:

**ASTM D 522**  
**BS 3900 E11**  
**DIN 53150**  
**DIN ISO EN 6860**  
**ECCA T7**



Mechanical testing equipment for the determination of elasticity, adhesion and elongation of paint 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 to 38.1mm. A graduation indicates the mandrel diameter in mm and inches.

This particularly robust and rigid construction provides excellent resistance to deformation and long service life. 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.

## Test Method

1. Move the Handle with the Bending Piece to the front of the apparatus.
2. Clamp the Test Panel so that the panel just touches the Mandrel and secure.
3. Turn the Handle until the Bending Piece just touches the test panel.
4. Lift the Handle without jerking over 180° in 1 to 2 seconds.
5. Remove the test panel from the apparatus.
6. Immediately after testing examine the test panel for cracking or detachment. Use a **10x magnifier glass** if needed.

## Part Numbers

Model	Description	Part Number
Elcometer 1510	Elcometer 1510 Conical Mandrel Bend Tester ISO / ASTM	K0001510M001