

## **Conical Mandrel Bend Tester (3.1-38 mm)**

**BGD 566**

### **Product Description**

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The Conical Mandrel Bend Tester, model BGD 566, is designed to assess the extensibility of paint coatings on metal panels. These panels are clamped in position and formed around the conical mandrel by rotating the roller frame. The test evaluates crack resistance and detachment of the coated surface from the metal substrate under standard conditions. The instrument adheres to ASTM D 522, D1737, BS 3900E11, and ISO 6860 Standards.

It allows for easy identification of coating failure in a single operation at specified diameters over part or the entire mandrel length.



### **Standards**

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- ASTM D 522
- ASTM D1737
- BS 3900E11\*
- ISO 6860

Standards marked with\* have been superseded but are still recognised in some industries

### **Technical Specification**

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The panels are examined to evaluate crack resistance and detachment from the metal substrate of coated surface which is coated with paint under standard conditions.

This instrument allows easy identification in a single operation the coating failure at specified diameter, over part or entire mandrel length.

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### **Main Technical Parameters**

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- Diameter range: Ø3.1 - 38mm ±0.1mm (0.12 - 15")
- Length: 203 ±0.3 mm (8")
- The new clamping device allows faster and more convenient fixing of samples
- Suitable test panel size: Length ≤200mm (7.9"); Width < 100mm (3.9"); Thickness ≤ 0.8mm
- Overall dimensions (length by width by height): 300×120×83 mm (11.8x4.7x3.3")
- Weight: 7kg (15.4 lbs)
- Packing List: Mandrel Tester, Operating Instructions, Calibration Certificate

### **Disclaimer**

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The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development