

Hinge-type Cylindrical Mandrel Tester (2-12mm)

BGD 561

Product Description

The BGD 561 Hinge-type Cylindrical Mandrel Tester assess the pliability of the paint film through the capability that the paint film deforms with bottom material and does not get damaged at the specified standard conditions. It is expressed with the minimum shaft stick diameter which does not cause the paint film to crack when the test plate moves around the shaft stick of 180° within 1-3 seconds at the specific conditions in the standard. It confirms to ISO 1519, ASTM D 522, DIN 53152.

This tester consists of eight hinges and each hinge has different diameter axis. Put the test panels into hinge then fold it and test panels then have finished 180° bend.



The test can be carried out:

- either as a "pass/fail" test, by carrying out the test with a single specified size of mandrel, to assess compliance with a particular requirement;
- or by repeating the procedure using successively smaller mandrels to determine the diameter of the first mandrel over which the coating cracks and/or becomes detached from the substrate.

Standards

- ISO 1519
- ASTM D 522
- DIN 53152

Technical Specification

- Shaft stick diameter: 2mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm
- Thickness of bottom material for the test plate: less than 0.3 mm

Hinge-type Cylindrical Mandrel Tester (2-12mm)

BGD 561

Main Technical Parameters

- Ordering Information: BGD 561 - Hinge-type Cylindrical Mandrel Tester

Disclaimer

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