

Cylindrical Mandrel Tester (2-32 mm)

BGD 564

Product Description

The BGD 564 Cylindrical Mandrel Tester is compliant with ISO 1519:2011, ASTM D522, and DIN 53152 standards.

It serves to evaluate the resilience of paint, varnish, or similar coatings to cracking or detachment from metal or plastic substrates when bent around a cylindrical mandrel under standardized conditions.



Standards

- ISO 1519:2011
- ASTM D522
- DIN 53152

Technical Specification

This tester comprises three PVC rolls arranged side by side and operating on pivoting bearings. This design ensures that the coating remains unexposed to damage or shear stress during testing.

The assessment can be conducted in two ways:

- A pass/fail test, using a single specified mandrel size to determine compliance with specific requirements
- Repeating the procedure with progressively smaller mandrels to ascertain the diameter at which the coating cracks or detaches from the substrate

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Main Technical Parameters

- Incorporates the latest design for enhanced user experience, ensuring convenience and efficiency
- Includes 12 stainless steel mandrels of various diameters: Ø2, Ø3, Ø4, Ø5, Ø6, Ø8, Ø10, Ø12, Ø16, Ø20, Ø25, and Ø32mm
- All mandrels are precision-machined from high-hardness stainless steel, with hardening treatment applied to 2mm and 3mm mandrels to prevent deformation even when testing thick panels
- Suitable test panel dimensions: Length between 120mm and 150mm; width up to 80mm; thickness up to 1.0mm
- Supplied with Calibration Certificate

Ordering Information: BGD 564 - Cylindrical Mandrel Tester

Disclaimer

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