

Cylindrical Mandrel Tester

BGD 564 Cylindrical Mandrel Tester complies with ISO 1519: 2011, ASTM D522 and DIN 53152. It is used to assess the resistance of a coating of paint, varnish or related product to cracking and/or detachment from a metal or plastic substrate when subjected to bending round a cylindrical mandrel under standard conditions.

This tester consists of three PVC rolls which are arranged side by side and run on pivoting bearings. Thus, the coating is not exposed to damage or shear stress during the test.

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.



Scan for video

Main Technical Parameters:

- ★ Latest and humanization design, convenient and quick to operate.
- ★ 12 pcs stainless steel mandrels with different diameters: $\Phi 2$, $\Phi 3$, $\Phi 4$, $\Phi 5$, $\Phi 6$, $\Phi 8$, $\Phi 10$, $\Phi 12$, $\Phi 16$, $\Phi 20$, $\Phi 25$, $\Phi 32$ mm
- ★ All mandrels are machined precisely by high hardness stainless steel, 2mm and 3mm mandrels are done by hardening treatment, it won't be deformed even bend the thick test panels.
- ★ Suitable test panels size: Length 120mm~150mm; width ≤ 80 mm thickness ≤ 1.0 mm
- ★ Come with Calibration Certification
- ★ **Ordering Information:**
BGD 564--Cylindrical Mandrel Tester