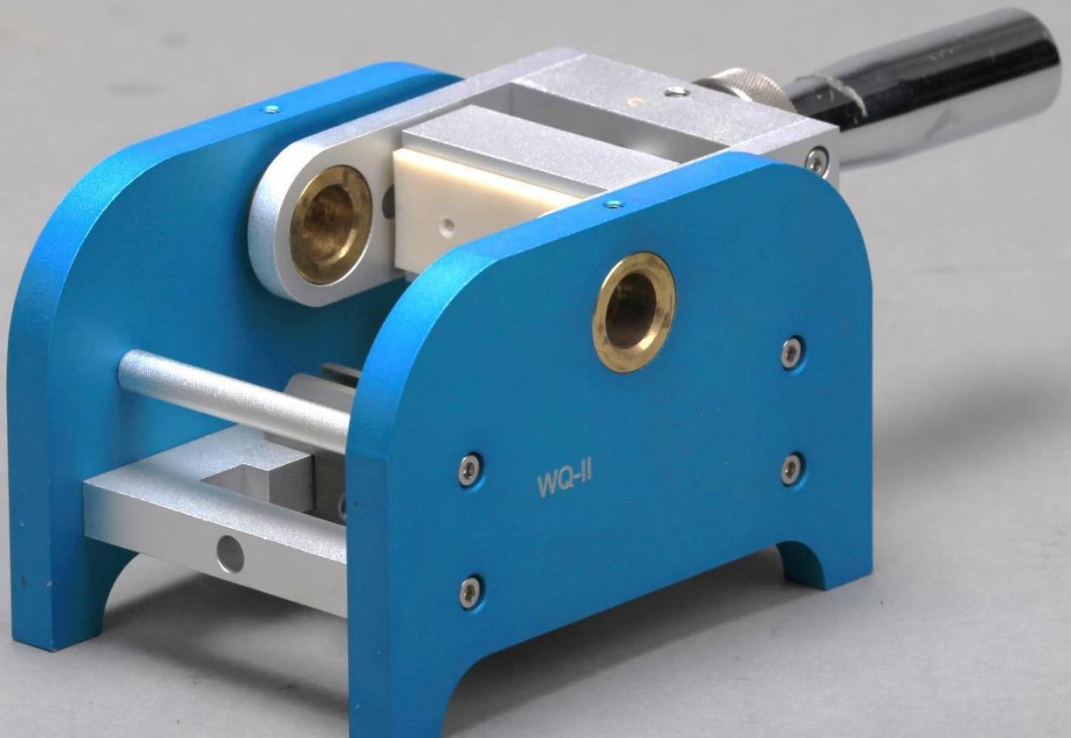




## CYLINDRICAL MANDREL BEND TESTER

Cylindrical Mandrel Bend Tester is used for testing the flexibility of a coating, and resistance of a coating of paint, varnish or related product to cracking or detachment from a metal panel. It complies with GB/T 6742-2007 (equivalent to ISO 1519:2002)

The coated panel is bent through 180° over a period of 2 to 3 seconds, if there are no signs of failure a fresh coated panel is to be bent over the next smaller diameter mandrel, repeat the test over smaller diameters until failure is observed.

### Pass/fail criteria

Upon establishing the smallest diameter mandrel that the panel can be bent over without failure and the next smaller diameter mandrel, where the coating fails, pass/failure criteria can be defined for quality control.



# Standards

ISO 1519:2011

ASTM D522

DIN 53152

## Technical Specification

| ROD  | THICKNESS | WIDTH | LENGTH      | RECOMMENDED LENGTH |
|------|-----------|-------|-------------|--------------------|
| 2mm  | ≤0.5mm    | ≤60mm | 57 - 75mm   | 73mm               |
| 3mm  |           |       | 58 - 76mm   |                    |
| 4mm  |           |       | 60 - 79mm   |                    |
| 5mm  |           |       | 61 - 81mm   |                    |
| 6mm  |           |       | 63 - 84mm   |                    |
| 8mm  |           |       | 66 - 89mm   |                    |
| 10mm | ≤1mm      |       | 69 - 94mm   | 105mm              |
| 12mm |           |       | 72 - 99mm   |                    |
| 16mm |           |       | 79 - 109mm  |                    |
| 20mm |           |       | 85 - 115mm  |                    |
| 25mm |           |       | 93 - 123mm  |                    |
| 32mm |           |       | 104 - 134mm |                    |

## Ordering Information

| Product Ref | Description                     |
|-------------|---------------------------------|
| WQ-II       | Cylindrical Mandrel Bend Tester |



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