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TQC CYLINDRICAL BEND TEST 100MM INCL MANDREL SET

SP1820

DATASHEET

PRODUCT DESCRIPTION

The TQC Cylindrical Bend Test is a very robust yet elegant testing instrument to indicate the elasticity, elongation and adhesion of a paint film at bending stress. The TQC Cylindrical Bend Test is designed to perform tests according to the latest ISO standards. ISO 1519: "Assessing the resistance of a coating, paint, varnish or related products to cracking and/or detachment from a surface when, subjected to bending around a cylindrical mandrel under standard conditions.

BUSINESS

Paint, Paint laboratory, Coating Industry, Galvanize

STANDARDS

Complies to ISO 1519. Look up the appropriate standard for a correct execution of the test. Also refer to ISO 1512-ISO 1514-ISO 2808-ISO 3270.

FEATURES

- Sturdy apparatus made of a combination of anodized aluminium and stainless steel.
- Ergonomic clamping device for test panels and large knob on bending arm easy and smooth bending.
- Large test panel size: max. 150 x 100 mm
- Luxurious wall mounted / desktop mandrel holder

SCOPE OF SUPPLY

- TQC Cylindrical Bend Test 100 mm
- Holder with set of 14 mandrels with a diameter of 2, 3, 4, 5, 6, 8, 10, 12, 13, 16, 19, 20, 25 and 32 mm.

ACCESSORIES

TQC Panels are available in a large variety of dimensions, materials and thicknesses. Use of TQC Test panels enhances reproducibility of physical and chemical tests. Each panel is equipped with a hole for hanging and handling.
Both standard test panels and special dimensions to customers specifications are available.

SPECIFICATIONS

Cylindrical Bend test

Dimensions:	140 X 170 X 340 mm
Weight:	4150 gram
Max. testpanel size:	150 X 100 mm
Max. testpanel thickness:	1mm

Desk Holder with 14 mandrels

Dimensions:	100 X 130 X 160 mm
Weight:	2900 gram

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Mandrel

Diameter	2, 3, 4, 5, 6, 8, 10, 12, 13, 16, 19, 20, 25 and 32 mm.
Tolerance:	up to 12 mm +/- 0,05 mm; above 12 mm +/- 0,1 mm

USE

- Place and secure a test-panel in the apparatus, positioned against the mandrel.
- Fix it upright into the clamp.
- Pull the handle, and with a smooth movement, taking 1 - 2 seconds, make an even 180° bend.
- Release the test-panel from the test-apparatus and examine results immediately

SPECIAL CARE

- Though robust in design, this instrument is precision-machined. Never drop it or knock it over
- Always clean the instrument after use.
- Clean the instrument using a soft dry cloth. Never clean the instrument by any mechanical means such as a wire brush or abrasive paper. This may cause, just like the use of aggressive cleaning agents, permanent damage.
- Do not use compressed air to clean the instrument.
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ALWAYS KEEP THE INSTRUMENT IN ITS CASE WHEN NOT IN USE. SAFETY PRECAUTIONS

- Make sure to keep fingers and other body-parts clear from the bending area when performing a test.
- Make sure all actions such as the clamping and bending are carried out without using any heavy forces
- Don't exceed the max. Panel thickness.
- Check the mandrel visually for mechanical damages or marks.

DISCLAIMER

The right of technical modifications is reserved.

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