



TQC Sheen Cylindrical Bend Test 100mm including Mandrel Set

The TQC Sheen 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 Cylindrical Bend Test has been developed in accordance with international testing standard including ISO 1519. There are two different options available based on the sets of mandrels: a metric option and an imperial option.

Ideal for

Paint and coating analysis across multiple industries, such as Aerospace, Automotive, Beverage, Defense, Industrial, Marine, Metal Packaging and more.

Standards

Cylindrical Bend Test Metric: Complies to ISO 1519.

Also refer to ISO 1512, ISO 1514, ISO 2808, ISO 3270.

Cylindrical Bend Test Imperial: Complies to ASTM D522

Look up the appropriate standard for a correct execution of the test.

Features:

- Sturdy anodized aluminum/ stainless steel construction
- Ergonomic test panel clamping device
- Powerful lever for simple, smooth bend testing
- Desktop or wall-mounted mandrel holder
- Accommodates large test panels
- Sturdy mandrel holder

Scope of Supply:

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

Or

- Holder with set of 7 mandrels with imperial diameters of 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1 inch.



Accessories:

Catalog Number Article Description

Metric

SP1836 Mandrel 2 mm

SP1837 Mandrel 3 mm

SP1838 Mandrel 4 mm

SP1839 Mandrel 5 mm

SP1840 Mandrel 6 mm

SP1841 Mandrel 8 mm

SP1842 Mandrel 10 mm

SP1843 Mandrel 12 mm

SP1844 Mandrel 13 mm

SP1845 Mandrel 16 mm

SP1846 Mandrel 19 mm

SP1847 Mandrel 20 mm

SP1848 Mandrel 25 mm

SP1849 Mandrel 32 mm

Imperial

SP1823 Mandrel 1/8 inch

SP1824 Mandrel 1/4 inch

SP1825 Mandrel 3/8 inch

SP1826 Mandrel 1/2 inch

SP1827 Mandrel 5/8 inch

SP1828 Mandrel 3/4 inch

SP1829 Mandrel 1 inch

Technical Specification:

Cylindrical Bend test

Dimensions:	140 x 170 x 340 mm/ 5.51 x 6.69 x 13.39 in
Weight:	4150 g / 9.15 lbs
Max. test panel size:	150 x 100 mm 5.9 x 3.9 in
Max. test panel thickness:	1 mm / 0.039 in

Metric Mandrels:

Diameter:	2, 3, 4, 5, 6, 8, 10, 12, 13, 16, 19, 20, 25 and 32 mm
Tolerance:	Up to 12 mm +/- 0,002 in; Above 12 mm +/- 0,0039 in

Desk Holder with 14 mandrels

Dimensions:	100 x 130 x 160 mm/ 3.94 x 5.12 x 6.3 in
Weight:	2900 g / 6.39 lbs

Imperial Mandrels:

Diameter:	1/8, 1/4, 3/8, 1/2, 5/8, 3/4 and 1 in
Tolerance:	Up to 1/2 inch ± 0,05 mm; Above 1/2 inch ± 0,1 mm

Desk Holder with 7 mandrels

Dimensions:	100 x 130 x 160 mm/ 3.94 x 5.12 x 6.3 in
Weight:	1740 g / 3.8 lbs

Disclaimer

The information contained in this document is liable to modification from time to time in the light of experience and our policy of continuous product development. Check the Industrial Physics website for the latest version.

Additional Accessories

TQC Sheen Test Panels are available in a large variety of dimensions, materials, and thicknesses. The use of 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.

Safety precautions:

Always keep the instrument in its case when not in use.

- 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



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