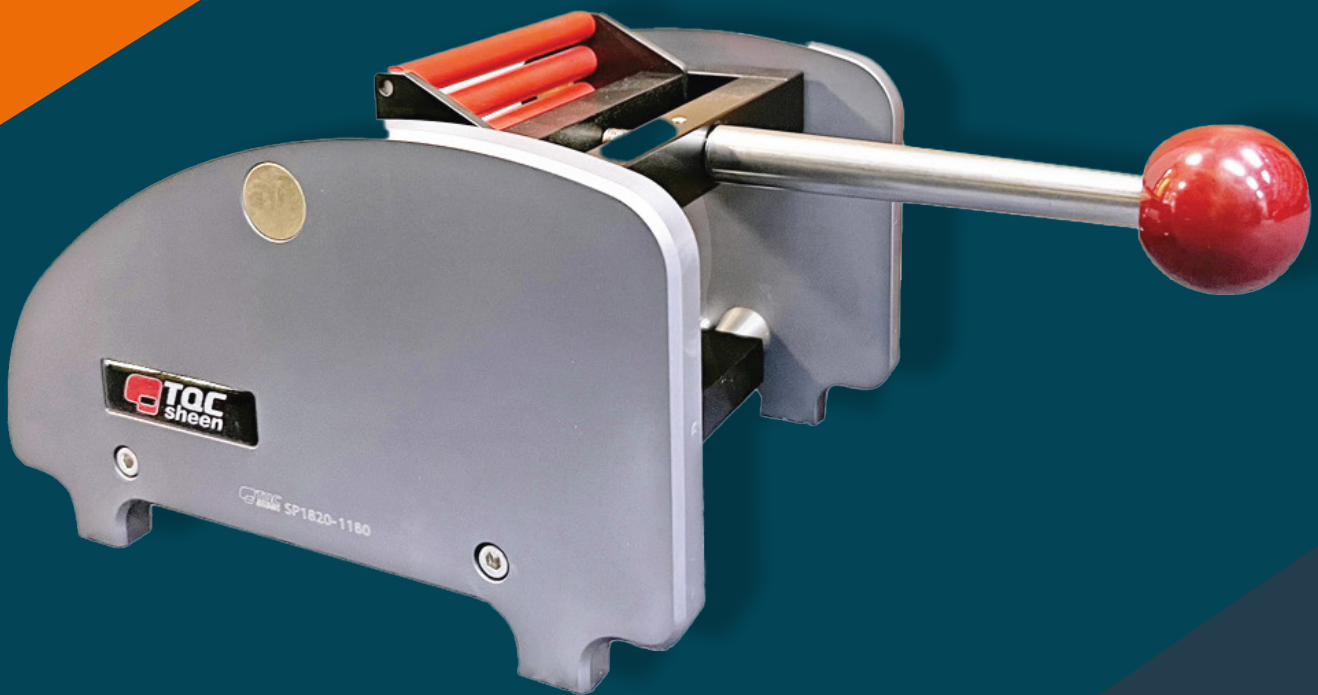




TQC Sheen Cylindrical Bend Test 100mm including Mandrel Set

TQC Sheen's Cylindrical Bend Test is designed to measure the elasticity, elongation and adhesion of a paint film at bending stress on metal panels. Our easy-to-use bend test equipment offers straightforward and reliable mandrel testing.

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

SP1834	Mandrel complete set (14 pieces)
SP1836	Mandrel 2 mm
SP1836	Mandrel 3 mm
SP1836	Mandrel 4 mm
SP1836	Mandrel 5 mm
SP1836	Mandrel 6 mm
SP1836	Mandrel 8 mm
SP1836	Mandrel 10 mm
SP1836	Mandrel 12 mm
SP1836	Mandrel 13 mm
SP1836	Mandrel 16 mm
SP1836	Mandrel 19 mm
SP1836	Mandrel 20 mm
SP1836	Mandrel 25 mm
SP1836	Mandrel 32 mm

Imperial

SP1833	Mandrel complete set (7 pieces)
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

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



Ordering Information:

Article No. Article Description

SP1822 7 Imperial Mandrels

SP1820 14 Metric Mandrels

Contact Details

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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.