Appearance: Deformation

Cylindrical Mandrel Bend Tester (SH809)

The basis of the Cylindrical Mandrel Bend Tester test is to determine the smallest diameter mandrel that coated panels can be bent over without evidence of cracking and or loss of adhesion.

The coated panel is bent through 180º 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.

Failure can be observed by seeing a change in colour, followed by signs of cracking and/or loss of adhesion.

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.

Features

- Max panel size: 50 mm wide x 1 mm thick
- Robust stainless steel mandrels, easy to install in seconds
- Study pre-drilled frame to secure on workbench

Standards

ASTM	D522 Method B (Specifies 6 inch sizes mandrels)
ISO	1519 type 2
JIS	K 5600-5-1
AS/NZ	1580.402.1 – 2003 (2013)

Standard supply

SH809 Cylindrical Mandrel Bend Tester
11 Mandrels (2, 3, 4, 5, 6, 8, 10, 12, 16, 20, 25, 32 mm diameter)
User manual
Hexagon wrench
Carrying case

SH809A Cylindrical Mandrel Bend Tester
As above but supplied with:
6 mandrels 1/8, ¼, 3/8, ½, ¾, 1 inch diameter

Sheen Instruments Limited
29 Central Avenue, West Molesey, Surrey. KT8 2RF, UK
A subsidiary of Elektron Technology UK Limited

T: +44 (0)208 783 4321
info@sheeninstruments.com
www.sheeninstruments.com

Ordering information

Product Ref	Description
SH809	Cylindrical Mandrel Bend Tester
SH809A	Cylindrical Mandrel Bend Tester

Owing to continuous development, we reserve the right to introduce improvements and modify specifications without prior notice.

Our sales team can be contacted on:
info@sheeninstruments.com or +44 (0)208 783 4321