

Cylindrical Mandrel Bend Tester

Cylindrical mandrel testers evaluate a coating's flexibility in regards to bending properties. A coated sheet metal is bent over a defined radius to evaluate elongation / adhesion as well as resistance to cracking. The test procedure for elongation check is performed with fast speed (1s), while cracking is evaluated with slow speed (15 sec). The smaller the bend radius, the greater the material flexibility. They are used in QC for simple Pass/Fail check or in R&D to determine the smallest mandrel size.



Two available models

Two different models are available:

- Hand Bend Tester, a low cost solution with simple hand operation for Pass/Fail test according to ASTM D522.
- Lever Bend Tester with operation using a lever for Pass/Fail test according to ISO 1519.



Standards

ASTM D522
ASTM D1737
ISO 1519

Catalog Number	1412	5710
Short Description	Cylindrical Mandrel Set, ASTM	Cylindrical Mandrel Set, ISO
Weight	2.3 kg 5 lb	4.4 kg 9.7 lb
Dimensions: L x W x H	30 x 18 x 18 cm 12 x 7 x 7 in	38 x 14 x 15 cm 15 x 5.5 x 5.9 in

Delivery Content

Cylindrical Mandrel Set
Set of 9 stainless steel rods with dia. 1/8 in to 1.0 in or 12 rods with dia. 2 mm to 32 mm
Frame
Manual