COLD BEND TESTING MACHINE

Used for bending and straightening steel reinforcing bars. Two types of test can be performed:

1. Bending the specimen through 90° and then straightening it again up to a minimum of 20°.
2. Bending through 180°.

The machine consists essentially of a hydraulic jack with cylindrical mandrel-stem, mounted horizontally within a strong steel frame which also carry two fixed reaction rollers. Two 50 and 100 mm dia. rollers are supplied with the machine. Mandrels and mandrel holders have to be ordered separately. Mandrels larger than 96 mm dia. do not need mandrel holders because they fit directly onto the stem.
ASTM specifications require 100 mm dia. rollers only and the bent up to 90°.

COLD BEND TESTING MACHINE

SPECIFICATION

- Max loading capacity: 120 kN
- Piston travel max. speed: 90 mm/min
- Power: 750 W
- Dimensions: 1500x665x1050 mm
- Weight approx.: 210 kg

STANDARDS

- EN ISO 15630-1

- EN ISO 7438
- EN 10080
- ASTM A615

ACCESSORIES

70-C0977/19

Mandrel 32mm dia. for 7mm bars (EN ISO), 8mm bars (DM) and 9,5mm bars (ASTM)

70-C0977/21

Mandrel 40mm dia. for 8mm bars (EN ISO) and 10mm bars (DM)

70-C0977/23

Mandrel 44mm dia. for 12,7mm bars (ASTM)

70-C0977/24

Mandrel 48mm dia. for 12mm bars (DM)

70-C0977/27

Mandrel 56mm dia. for 10mm bars (EN ISO) and 15,9mm bars (ASTM)

70-C0977/28

Mandrel 60mm dia. for 12mm bars (DM)

70-C0977/29

Mandrel 64mm dia. for 12mm bars (EN ISO)

70-C0977/30A

Mandrel 70mm dia. for 14mm bars (DM)

70-C0977/31A

Mandrel 80mm dia. for 16mm bars (DM)

70-C0977/33

Mandrel 96mm dia. for 14mm bars (EN ISO) and 19mm (ASTM)

70-C0977/37

Mandrel 112mm dia. for 16mm bars (EN ISO) and 22,2mm (ASTM)

70-C0977/39

Mandrel 128mm dia. for 18mm bars (EN ISO) and 25,4mm (ASTM)

70-C0977/40

Mandrel 132mm dia. for 20mm bars (EN ISO)

70-C0977/41

Mandrel 140mm dia. for 22mm bars (EN ISO)

70-C0977/42

Mandrel 144mm dia. for 18mm bars (DM)

70-C0977/44

Mandrel 160mm dia. for 20mm bars (DM)

70-C0977/45

Mandrel 176mm dia. for 22mm bars (DM)

70-C0977/46

Mandrel 180mm dia. for 24-26mm bars (EN ISO)

70-C0977/46A

Mandrel 192mm dia. for 24mm bars (DM)

70-C0977/47

Mandrel 200mm dia. for 28mm bars (EN ISO), 25mm bars (DM) and 28,7mm bars (ASTM)

70-C0977/49

Mandrel 224mm dia. for 30-32mm bars (EN ISO) and 32,2mm bars (ASTM)

70-C0977/50

Mandrel 250mm dia. for 35,8mm bars (ASTM)

70-C0977/50A

Mandrel 260mm dia. for 26mm bars (DM)

70-C0977/52

Mandrel 280mm dia. for 28mm bars (DM)

70-C0977/54

Mandrel 320mm dia. for 34-38mm bars (EN ISO) and 32mm (DM)

70-C0977/55

Mandrel 336mm dia. for 40mm bars (EN ISO)

70-C0977/55A

Mandrel 340mm dia. for 34mm bars (DM)

70-C0977/55B

Mandrel 360mm dia. for 36mm bars (DM)

70-C0977/56A

Mandrel 400mm dia. for 40mm bars (DM)

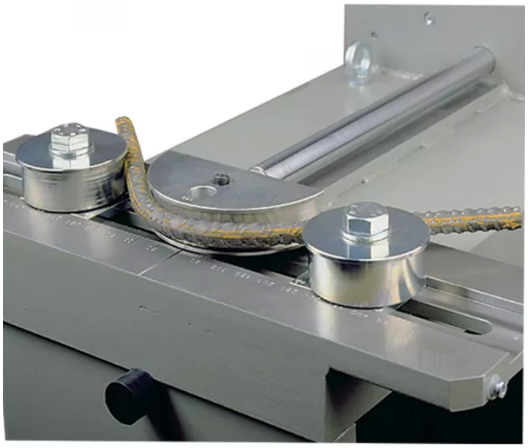
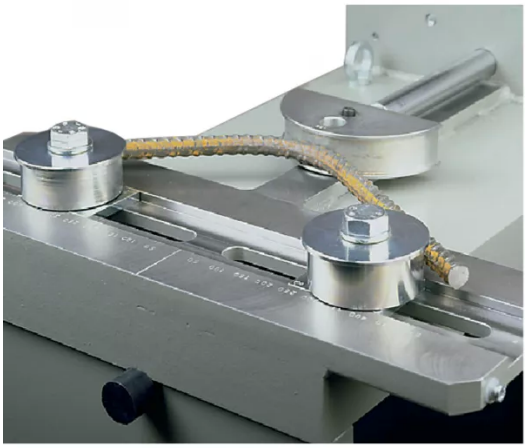
70-C0977/62

Mandrel holder for mandrels from 54 to 96 mm dia

ORDERING CODE

70-C0977

Cold bend testing machine 120 kN cap. conforming to, EN ISO 7438, ASTM A615-615M. 230V, 50Hz, 1ph.

70-C0977/Z

Cold bend testing machine 120 kN cap. conforming to, EN ISO 7438, ASTM A615-615M. 110V, 60Hz, 1ph