

TECHNICAL SPECIFICATIONS OF BEND & REREND, TESTING MACHINE, MODEL FBR-100 kN

This Machine meets the bend and rebend test requirements of plain and deformed bars used for concrete reinforcement. It meets the above test requirements specified in IS 1736-1935 and RS 4449-1997.

Today there is an increasing demand for higher strength and large diameter deformed bars for new constructions. Technological advances in micro alloying and thermo mechanical treatment processes have achieved the production of high yield strength (460 N/mm²) bars at low carbon levels even in large diameters. Stringent quality control is a must for such bars as regards to their properties of strength, elongation, weldability and bendability.

The Bend & Rebend Testing Machine Model FBR-100 WN is a special designed machine only for Bend & Rebend tests. It is a very compact hydraulic operated, user friendly machine with inbuilt operator safety features.



Technical Specifications :

Model	FBR 100 kN
Max. Load Capacity	100 kN
Max. Downward speed of piston at no load.	300 mm/min
Max. stroke of piston	250 mm
Max. working pressure	200 bar
Max. Dia. of Bonding support rollers with "V" groove,	100 mm
Max. Dist Between beading supports (adjustable).	470 mm
Max. Dia of test bar	40
Diameters of bending Formers provided with the machine.	12,16, 20, U, 30,32,40,50,60,80, 140,175, 224, 280 (14 Not)
Power & supply	0.75 Kw. 3Ph 440V 50 Hz AC
Overall size (appr)	950 x 750 x 2000 mm
Approximate Weight	600 kg.

OPTIONAL TOOLS AT EXTRA COST

Support rollers dia 100 mm for flat and square products.

Rebend tool for flats.

Bending former of any other diameter