



### SPECIFICATIONS:-

Bally flexometer is designed to test flexing resistance by flexometer (Bally) sole, leather and leather products, coated fabrics and textiles used in footwear upper. It is internationally-accepted method for the assessment of the flexing endurance of light leathers and their surface finishes. The tendency for cracks to form in the creases caused by walking can also be determined. The machine has at least six stations and leather upper clamp consisting of a pivoting pair of flat plates of maximum 4mm thickness. One plate has the basic shape of a trapezium ABCFD, but with a radius of 2mm at F. It has a ledge EF 4mm±1mm thick to support the folded test piece. The other plate has the shape EGHCF. clamp tightening screw draws the plates together and also acts as a stop to prevent the test piece from being positioned closer to AB than the vertical through C. A stop near the edge AB and approximately midway between A and B ensures that the plates clamp more effectively near point F. The upper clamp reciprocated by a motor about a horizontal axle, descending through an angle of  $22^{\circ}30' \pm 0^{\circ} 30'$  at a frequency of 100 cycles/min  $\pm$  5 cycles/min. Lower clamp, fixed and lying directly beneath (planar to) the upper clamp and consisting of a pair of flat plates to hold the test piece. Position of the lower clamp distance between the ledge EF and the upper edge of the fixed lower clamp, when the ledge EF is horizontal it is 25.0mm±1.0mm. There is a counter to indicate the number of cycles. A pre-determined counter. Test position: 6 sets, Type of upper gripe: A or B type gripe, flexing angle:  $22.5^{\circ} \pm 0.5^{\circ}$ , Flexing speed: 100  $\pm$  5 cycles / flexes per minutes, Counter: 0 to 999999 (adjustable), Sample size: 70  $\pm$  5 X 45  $\pm$  5 mm, Dimension (L x W x H) mm: (950 x 600 x 500) mm, Weight: 60 to 85kgs. Accessories: 2 pcs of cutting die: for determination of flex resistance as per the standard (Inner wall of which is a rectangular (70mm± 1mm) X (45mm± 1mm)), 2 pcs of Magnifier: with a magnification of 4 to 6 times, 2 pcs of laboratory desiccator: Drying of moist samples and storage of moisture-sensitive substances vacuum desiccator with NOVUS standard ground joint (NS 24/29) junction tube in the lid, stopcock and flat flange, Approximate volume 0.7-1 lit, Height:100-150mm, 20 pcs of glass dishes, minimum

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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diameter100mm and minimum depth 25mm, 5 pcs of Mandrel, having a diameter of 10mm and a minimum length of 70mm, 10 pcs of Metal clip, 70mm wide capable of fixing a specimen around the mandrel, 10 pcs of Stereomicroscope, with a magnification of 25 times, 10pcs of Alen key, (No 5).



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