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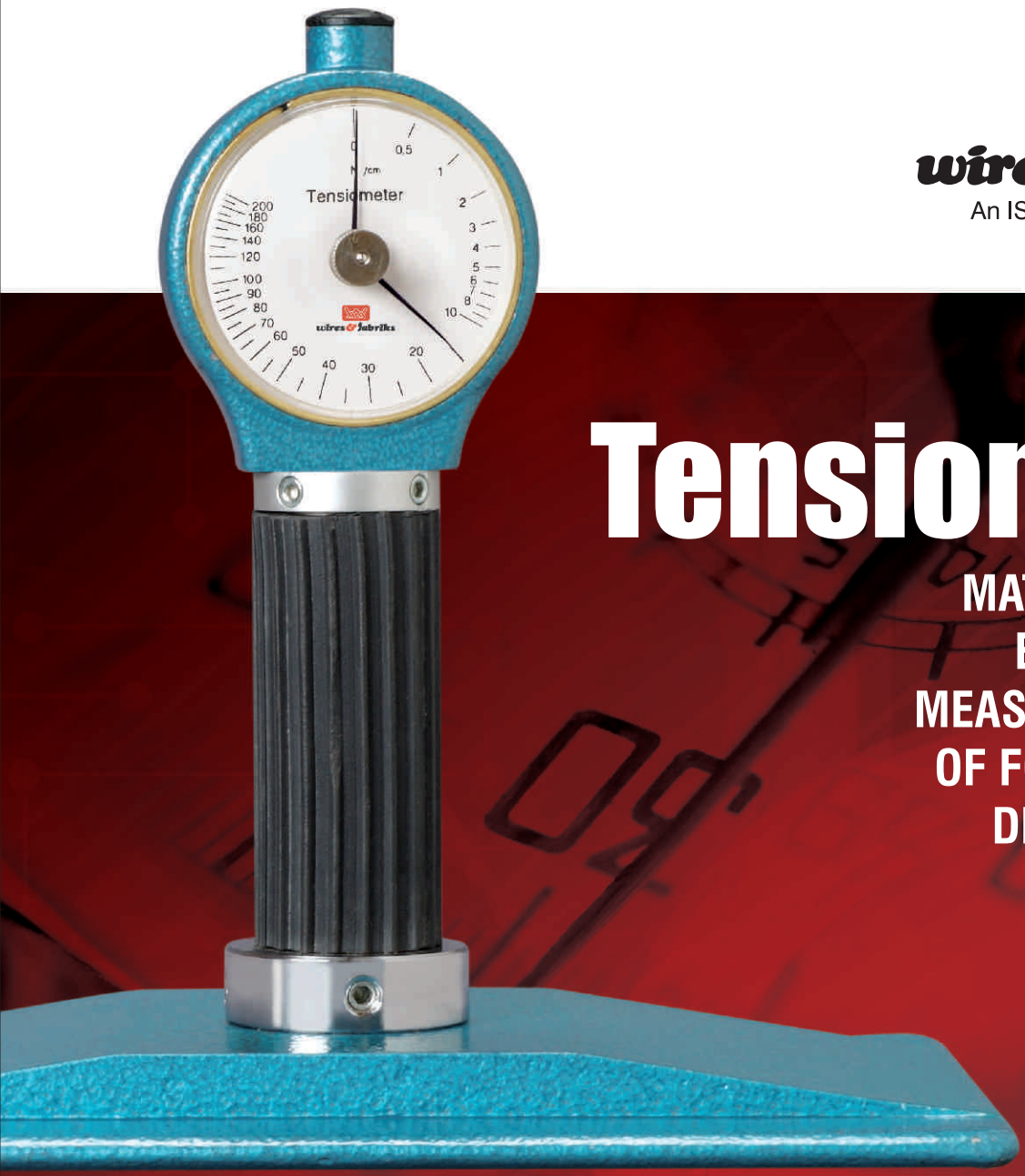

Tensiometer

MATERIAL TESTING EQUIPMENT FOR MEASURING TENSION OF FORMING FABRIC DRYER SCREEN & WOVEN BELTS

Specifications

1.	Tension range on dial:	0.0 N to 200 N/Cm		
2.	Operating tension range:	0.5 N to 160 N/Cm		
3.	Accuracy: Note---10.0 N/Cm =5.58 PLI	In the range In the range In the range	0.5 to 10 N 10.0 to 100.0 N 100.0 to 160.0 N	: 1.0 N/Cm : 5.0 N/Cm : 10.0 N/Cm
4.	Dimensions	Instrument >	Base Length Base Width Total Height	: 230 mm : 150 mm : 200 mm
		Wooden box >	Length Width Height	: 250 mm : 180 mm : 230 mm
5.	Weight	2.2 kg (1 kg equipment + 1.2 kg Box)		
6.	Construction materials:	Base Handle Tension Bar Dial Cage All exteriors	: Cast / Machined Aluminum : Tube with Rubber Cover : Stainless Steel : Cast Iron - Galvanised : Hammer Paint	

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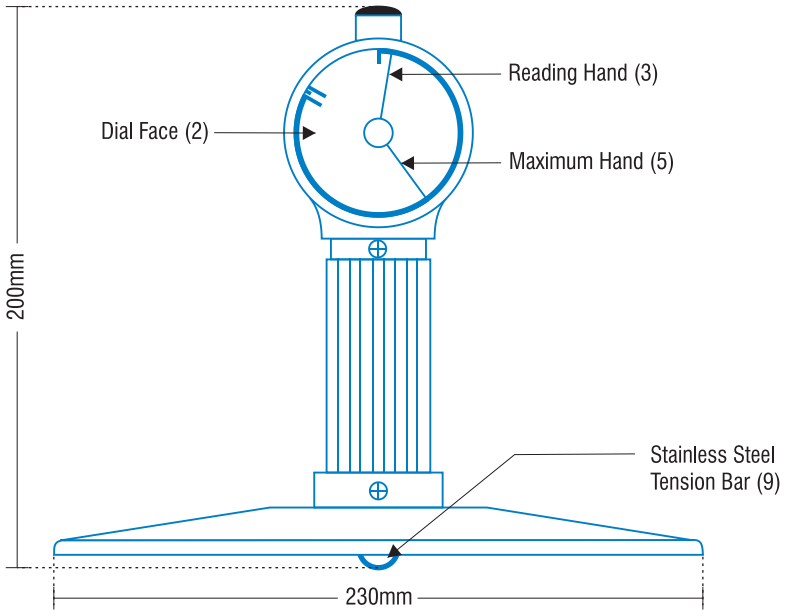
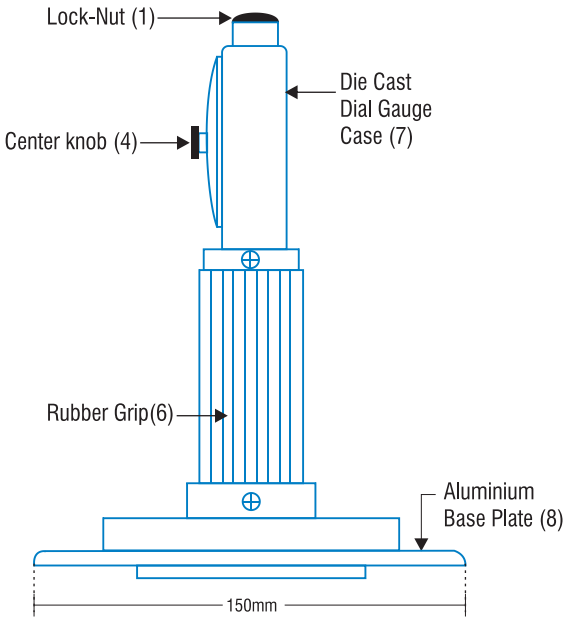
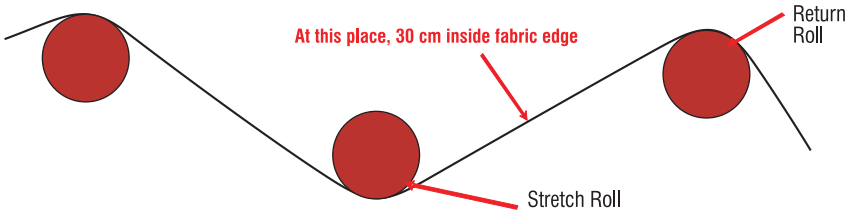


Front View

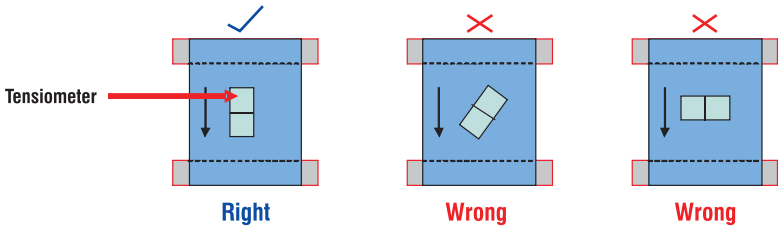


Side View

Where to apply Tensiometer on Fabric



How to apply Tensiometer on Fabric



Guidelines for use of Hand Tensiometer :

- Open lock nut (1) before use.
- Set Maximum Hand pointer (5) to zero mark by turning the centre knob (4).
- Grip only handle (6) of the Tensiometer and use one hand.
- Ensure that hand does not touch the base .
- Press firmly but with normal hand pressure on wire / felt and note reading.
- Take atleast 3 readings and average them out.
- Always bring the maximum hand (5) to “0” position before reuse.
- Keep the tensiometer longitudinally(longer side of tensiometer) parallel to the run direction of the fabric, at a distance of about 50 cm from the roller. (see diagram – 'How' to apply tensiometer.)
- As far as possible, the tension should always be measured between the stretch and return roll and the Tensiometer should be kept about 30 cm inside from edge of cloth. (see diagram – 'Where' to apply Tensiometer)
- Tensiometer should be stored in wooden box whenever not in use. Ensure that the lock nut is duly replaced.

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