

***twistTESTER (Double Yarn)™***

**INTRODUCTION**

The strength of a yarn depends to a great extent on the amount of twist imparted. Accurate determination of this physical property is very importance in assessing the quality of a yarn. The amount of twist given to a yarn is usually determined by untwisting a known length of yarn and finding the number of rotations of one of its ends relative to the other by remove the twists completely. Paramount **twistTESTER (Double Yarn)™** is the appropriate equipment for the determination of twists of a double yarn.

**EQUIPMENT**

Paramount **twistTESTER (Double Yarn)™** has a set of clamps; one of which is rotating and the other is fixed. The rotating clamp is driven by hand. Specially designed a five-digit re-settable revolution counter to count the number of twists. The fixed clamp is mounted on a jewel bearing with a lever having a sliding weight to give the desired tension to the yarn. A special scale is attached vertically on the clamp stand for measuring the tension on the yarn. The fixed clamp assembly can be moved over a guide bar for setting the required test length of yarn. The Test Length is indicated on a calibrated strip scale fixed to the base against a pointer attached with the moving assembly. A magnifying glass is provided to check the opening of the twists in the yarn during untwisting process. The equipment is meticulously finished in Blue PU paint.

**SALIENT FEATURES**

- Specially designed equipment to determine the twist per inch/cm of double yarn.
- Ergonomically design with modern aesthetics.
- Smooth precision-engineered mechanism for exceptional performance..
- Specially designed only for double yarn.
- Tension from 0 to 100gram can be selected by moving the weight on the lever.
- Maximum test length can be 28 cms.
- With analog re-settable twist counter.
- Magnifying glass is attached to ease in testing.
- Complete with all accessories.
- Supplied with calibration & inspection certificates

**twistTESTER (Double Yarn)™ is supplied complete with below accessories.**

|                                                  |          |
|--------------------------------------------------|----------|
| Main Unit                                        | : 01 No. |
| Alen Key (2 mm) (To Adjust the Dead Weight)      | : 01 No. |
| Pointing Needle (To open yarns while untwisting) | : 01 No. |
| Detailed User's Manual                           | : 01 No. |
| Calibration Certificate (Traceable to NPL)       | : 01 No. |
| Inspection & Conformance Certificate             | : 01 No. |

**TECHNICAL DETAILS**

|                                                 |                                                                      |
|-------------------------------------------------|----------------------------------------------------------------------|
| Test length                                     | : 30 to 280 mm                                                       |
| Load on test specimen                           | : 0 to 100 g (Adjustable Tension can be given)                       |
| Counter                                         | : Five digit revolution counter                                      |
| Yarn tensioning load scale                      | : 0 – 100 Gms., L/C : 1 Gm.                                          |
| Calibrated Scale to fix the length of the yarn. | : 1 –12" 0 –300 mm, L/C : 1 mm                                       |
| Overall Dimensions                              | : 625 (L) x 125 (W) x 325 (H) mm.<br>25 (L) x 5 (W) x 13.5 (H) Inch. |
| Net Weight                                      | : 12 Kg. (26.4 lbs)                                                  |



**RELATED STANDARDS**

- ISO 2061.
- BS 2085.
- ASTM D 1422 / D 1423.
- DIN 53832.
- IWTO 25-70.



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