

# TECHINCAL DETAILS

## OF

### FABRIC CREASE TESTER Nx (Fabric Crease Recovery Tester)

#### 1. INTRODUCTION

Crease is a common phenomenon of textile fabric. When a fabric is crumpled it get some creases after some time it tries to come back to its original state. Paramount **FABRIC CREASE TESTER Nx**™ determines the property of Textiles to recover from Creases by measurement of the Recovery Angle.

#### 2 EQUIPMENT

Paramount **FABRIC CREASE TESTER Nx**™ is made of Heavy Casted base and all the other parts are made of stainless steel. The Rotating Dial is made of fine stainless steel sheet, engraved in Black Color. The dial moves in the Bracket with smooth movement. Specially designed Loading Assembly for Creasing Specimen is also provided with the equipment having three S.S Creasing Load of 10N, 9.63N (As per ISO) & 500 Gms (As per AATCC).

#### 3. SALIENT FEATURES

- Specialized equipment to determine the crease recovery angle of any fabrics.
- This instrument meets the specifications of both ISO & AATCC Standards.
- 10N+9.63N weight supplied as per ISO Standard.
- 500gm weight supplied as per AATCC Standard.
- Supplied with two templates for ISO & AATCC Standard.
- Calibrated dial graduated in degree for access accurate recovery angle.
- Complete with all the accessories.
- Supplied with calibration & inspection certificates.



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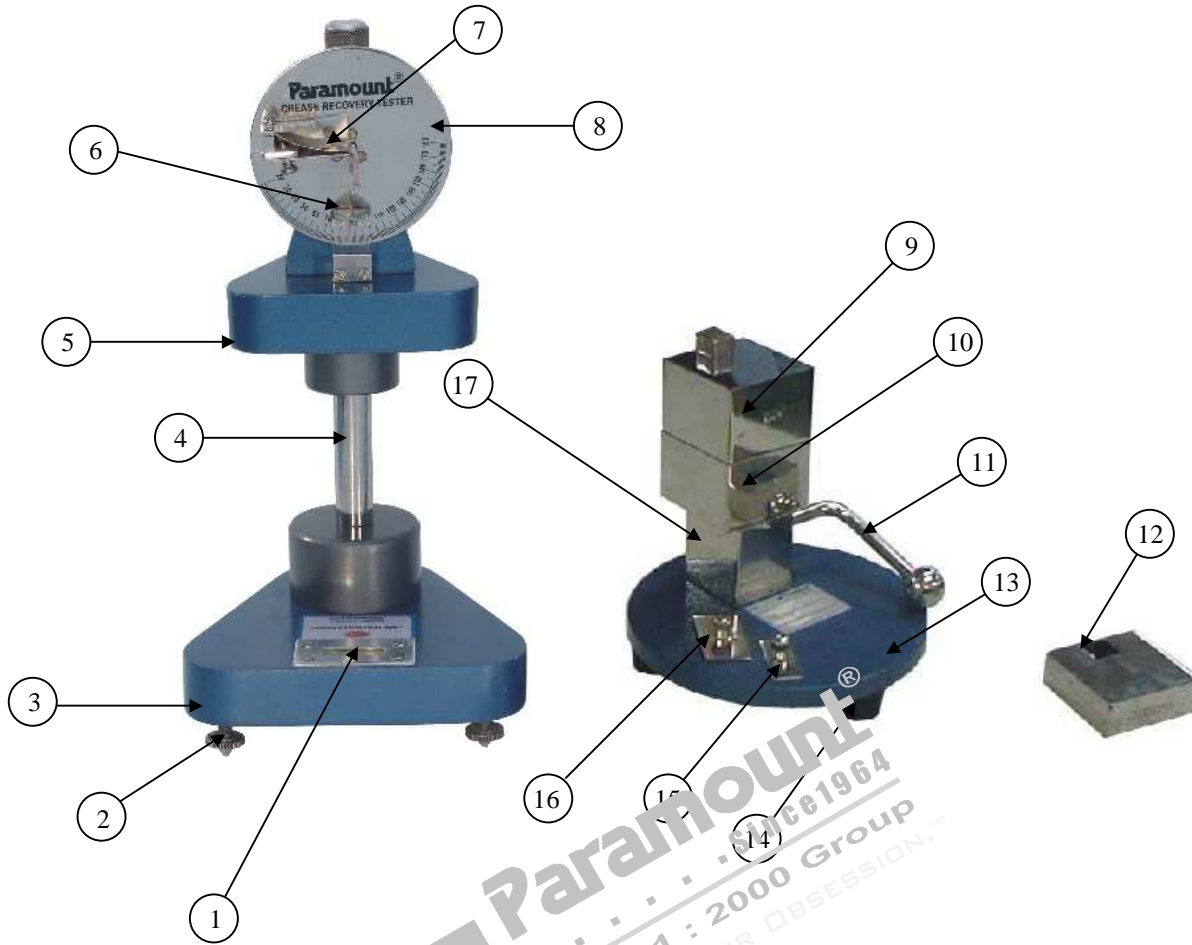


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#### 4. DETAILS OF THE MAIN UNIT OF FABRIC CREASE TESTER Nx

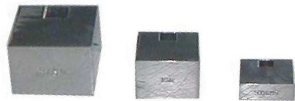


1. Spirit Level for balancing.
2. Leveling Screw (For Balancing).
3. Base of the Unit.
4. Vertical Rod (For Height Adjustment).
5. Scale Assembly Base.
6. Pointer Strip.
7. Specimen Holding Clamp.
8. Round Scale Assembly.
9. Dead Weight – 10 N (As per ISO)..
10. Dead Weight – 9.63 N (As per ISO).
11. Lifting Lever.
12. Dead Weight – 500 Gms. (As per AATCC)
13. Load Assembly Base.
14. Foot Rests.
15. Template (Small) – (40 x 15 mm).
16. Template (Big) - (50 x 25 mm).
17. Resting Block (Platform).

**5. DETAILS OF THE ACCESSORIES SUPPLIED WITH FABRIC CREASE TESTER Nx**



Main Unit



Dead Weight – 9.63 Newtons (ISO)  
 10 Newtons (ISO)  
 500 Gus. (AATCC)



Specimen Template  
 40 x 15 mm



Specimen Template  
 50 x 25 mm



Metal Tweezer for  
 loading the test  
 Specimen



Loading Unit



This User's Manual



Calibration & Inspection  
 Certificate

**FABRIC CREASE TESTER Nx** is Supplied Complete with below Accessories:

- |   |   |               |
|---|---|---------------|
| 1. Main Unit  | : | 01 No.        |
| 2. Metal Tweezer for Shifting/Loading the test specimen | : | 01 No.        |
| 3. Specimen Template (50 x 25 mm)                       | : | 01 No.        |
| 4. Specimen Template (40 x 15 mm)                       | : | 01 No.        |
| 5. Loading Unit   | : | 01 No.        |
| 6. Dead Weight (10N, 9.63N & 500 Gms.)                  | : | 01 No. (Each) |
| 7. This User's Manual                                   | : | 01 No.        |
| 8. Calibration Certificate (Traceable to NPL)           | : | 01 No.        |
| 9. Inspection & Conformance Certificate                 | : | 01 No.        |



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## 6. TECHNICAL DETAILS OF FABRIC CREASE TESTER Nx

Size of the Test Specimen	: (40 x 15) mm, & (50 x 25) mm
Creasing Load	: 10N, 9.63N (10N + 9.63N = 19.63N) (As Per ISO) 500 Gms. (As per AATCC 66)
Angle Measurement	: On an Engraved Circular Scale Graduated in 1 Degree.
Scale Range	: 20° - 180°, Least Count : 1°
Dia. of scale disc	: 100 mm
Dimension of the Main Unit	: 175 (L) x 175 (W) x 360 (H) mm : 7" (L) x 7" (W) x 14" (H) Inch.
Dimension of the Loading Assy.	: 165 (L) x 165 (W) x 175 (H) mm : 6.5" (L) x 6.5" (W) x 7" (H) Inch.
Net Weight of the Main Unit	: 5 Kg. (11 lbs)
Net Weight of the Loading Assy.	: 5.5 Kg. (12.1 lbs)

## 7. RELATED STANDARD

ISO 2313

BSEN 22313

AATCC 66 - 1998

**NOTE : With our constant endeavour to improve & excel, we reserve the right to alter the specification or modify the appearance without notice.**



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