

3SAE LARGE DIAMETER BEND PROOF TESTER (BPT)



The 3SAE Large Diameter Bend Proof Tester (BPT) is the first commercially available tool for testing the mechanical integrity of large diameter fibers/splices with cladding diameters measuring 200 μm to 1mm.

The mechanical testing of large diameter optical fibers using linear tensile technology is impractical to achieve a meaningful strain per cross-sectional area. The BPT accomplishes an equivalent tensile test by inducing a controlled bend in the optical fiber while automatically rotating the fiber about its axis. In this manner, the BPT controls peak strain time and ensures that the optical fiber is qualified around its circumference. The simple design is easy to use and requires minimal setup and training to achieve consistent results while requiring no costly calibration procedures.

With its small footprint and short cycle time, it easily integrates into any existing production facility or process. The BPT features easy loading and automatic rotation and strain release.

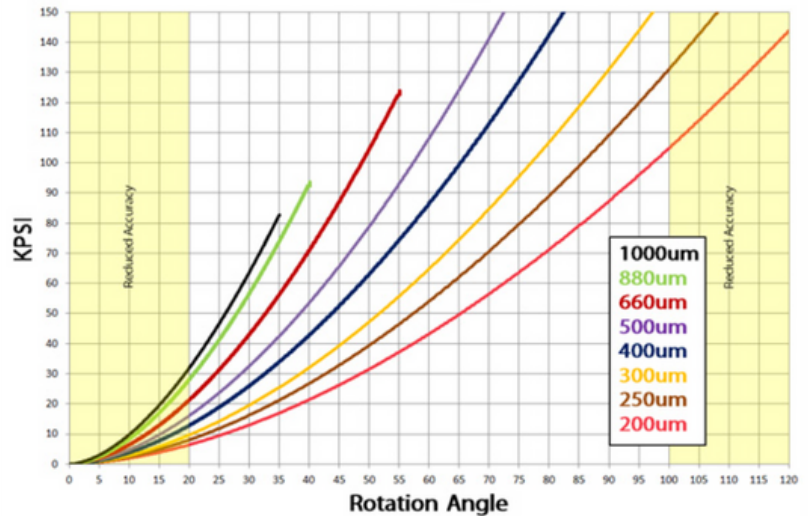
Key Features: Bend Proof Tester (BPT)

- Automatic rotation and strain release
- Easily adjustable bend radius and rotation speeds
- Correlation to linear equivalent strains
- Adjustable fiber guides & v-grooves
- No routine maintenance or calibration required

Technical Specifications

Feature	Specification
Dimensions	343 (W) x 131 (D) x 90 (H) mm
Weight	4.5kg
Supported Fibers	Cladding diameters: 200 μm to 1mm
Power Source	Input: 100-240 VAC, 47-63 Hz Output: 12 VDC, 9 A

BPT Rotation Angle to KPSI



Standard Package

Part Number	Product	Includes
RCT-01-0002	3SAE Large Diameter Bend Proof Tester (BPT)	Power supply, electronic user's manual, Manufacturer's 1-year parts and labor warranty

Accessories

Part Number	Product
ACC-01-0175	Power Supply 108W/12V/9A (BPT/CSL/FPU/LTT/USC)