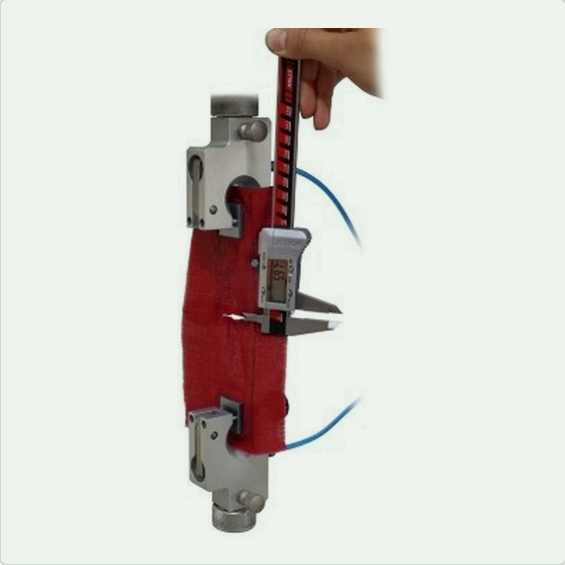
Pneumatic Grips for Sewn Seam Strength Testing

Built to ASTM D1683 — Standard Test Method for Failure in Sewn Seams of Woven Apparel Fabrics



OVERVIEW

Pneumatic grips for seam strength testing of woven apparel fabrics. Air-actuated jaws close with constant, repeatable clamping force, gripping the seamed specimen in a grab configuration so the seam lies centered between jaws. Rubber-faced or serrated jaw faces prevent slippage and jaw breaks while speeding up testing.

KEY FEATURES

- Pneumatic actuation for constant, repeatable clamping force
- Grab-type jaw arrangement per method
- Interchangeable rubber-faced or serrated jaw faces
- Foot-switch or panel actuation for fast loading
- Supplied with adapters to suit your load frame

TECHNICAL SPECIFICATIONS

Test method	Sewn seam strength, grab test
Test type / loading	Tension perpendicular to the seam
Specimens	Seamed woven fabric specimens per ASTM D1683
Load capacity	5 kN standard; higher capacities on request
Grip actuation	Pneumatic, adjustable air pressure
Gripping surfaces	Rubber-faced or serrated grab jaws, interchangeable
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical universal test machines

APPLICATIONS

- Apparel seam strength QC
- Sewing thread evaluation
- Stitch and seam construction development
- Textile testing laboratories

ABOUT THE STANDARD

ASTM D1683 measures the sewn seam strength in woven apparel fabrics by applying a force perpendicular to the seam with a grab-type tensile test. It reports the maximum force to rupture the seam, whether by thread breakage, fabric rupture or yarn slippage at the seam. Results help evaluate seam constructions, threads and stitch types.

Ordering & customization: Specify jaw face size and type, available air supply, required capacity and test machine connection when ordering.

Specifications are typical and may vary by configuration; confirm at time of quote. Users should refer to the current edition of the standard for test procedures. Part ref. UGC-D1683-PG