PRODUCT DATA SHEET

ASTM D5034 Tensile Grip

Grab Test Grips for Textile Fabrics

Built to ASTM D5034 — Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)



OVERVIEW

Grab-test grips for measuring breaking strength and elongation of textile fabrics. A narrow front jaw clamps the center of a wider specimen against a larger back jaw, so the fabric outside the clamped area contributes to strength, matching the grab test arrangement defined for fabric tensile testing.

KEY FEATURES

- Front and back jaw face arrangement for grab and modified grab tests
- Screw or pneumatic closing options
- Interchangeable serrated, rubber-lined or smooth faces
- Upper and lower jaws aligned for a straight, centered pull
- Durable construction for routine textile QC

TECHNICAL SPECIFICATIONS

Test method	Grab and modified grab breaking strength of fabrics
Test type / loading	Uniaxial tension, grab clamping
Specimens	Fabric specimens, per ASTM D5034 geometry
Load capacity	5 kN standard; higher capacities on request
Grip material	Steel body with hardened jaws, corrosion-resistant finish
Gripping surfaces	Grab-type faces, serrated, rubber-lined or smooth
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical universal test machines

APPLICATIONS

- Woven apparel and industrial fabrics
- Nonwovens and felts
- Coated and laminated fabrics
- Textile mill quality control

ABOUT THE STANDARD

ASTM D5034 covers grab and modified grab test procedures for determining breaking strength and elongation of most textile fabrics. In the grab test, the jaws clamp only a central portion of the specimen width; in the modified grab test, lateral slits limit the fabric assisting the clamped section. It is widely used for woven, nonwoven and felted fabric specifications.

Ordering & customization: Specify fabric type, actuation (screw or pneumatic), face type, 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-D5034-TG