

Grab Test Vise Grips for Geotextiles

Built to ASTM D4632 — Standard Test Method for Grab Breaking Load and Elongation of Geotextiles



OVERVIEW

Screw-action vise grips with grab-test jaw faces for measuring grab breaking load and elongation of geotextiles. A narrow front face clamps only the center portion of a wider specimen, so the surrounding fabric contributes to strength just as in the field, while the screw clamp gives firm, adjustable closing force.

KEY FEATURES

- Grab-type jaw faces per ASTM D4632 front and back face arrangement
- Screw vise clamping for firm, adjustable closing force
- Serrated or rubber-lined faces to suit fabric type
- Faces aligned top-to-bottom for a straight, centered pull
- Rugged steel construction for high-volume QC testing

TECHNICAL SPECIFICATIONS

Test method	Grab breaking load and elongation of geotextiles
Test type / loading	Uniaxial tension, grab clamping
Specimens	Geotextile specimens, per ASTM D4632 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 or rubber-lined
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical universal test machines

APPLICATIONS

- Woven and nonwoven geotextiles
- Silt fence and separation fabrics
- Geotextile acceptance testing
- Production quality control

ABOUT THE STANDARD

ASTM D4632 is an index test for the breaking load and elongation of geotextiles using the grab method, in which the jaws clamp only part of the specimen width. It is widely used for acceptance testing and specification compliance of woven and nonwoven geotextiles. Results include grab breaking load and apparent elongation at the maximum load.

Ordering & customization: Specify fabric type and strength range, jaw 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-D4632-VG