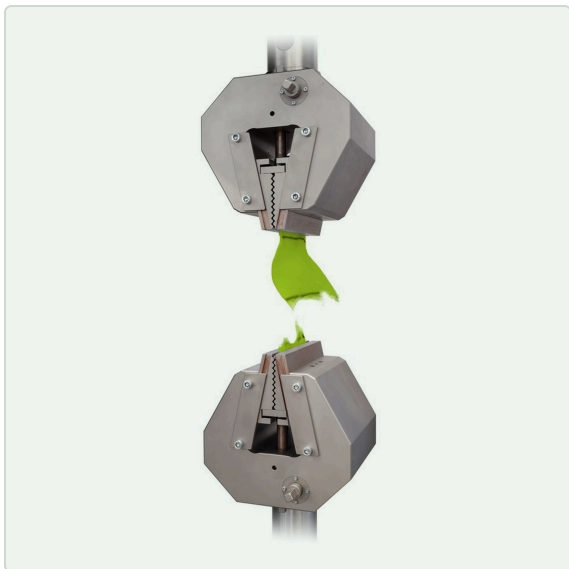


Wide-Width Wedge Grips for Geotextile Tensile Tests

Built to ASTM D4595 — Standard Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method



OVERVIEW

Wide-face wedge grips for wide-width strip tensile testing of geotextiles. Wedge action increases clamping force as load rises, holding high-strength wovens and nonwovens across the full specimen width while limiting slippage and jaw breaks, so strength and elongation reflect the material rather than the grip.

KEY FEATURES

- Jaw faces wide enough to clamp the full D4595 specimen width
- Self-tightening wedge action resists slippage on high-strength fabrics
- Interchangeable faces: serrated, rubber-coated or smooth
- Low-profile design keeps alignment true under high loads
- Optional roller or capstan inserts for very high-strength geotextiles

TECHNICAL SPECIFICATIONS

Test method	Wide-width strip tensile test of geotextiles
Test type / loading	Uniaxial tension
Specimens	Wide-width geotextile strips, per ASTM D4595 geometry
Load capacity	50 kN per grip standard; higher capacities on request
Grip material	Hardened steel wedges and body, corrosion-resistant finish
Gripping surfaces	Interchangeable serrated, rubber-coated or smooth faces
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical and servo-hydraulic universal test machines

APPLICATIONS

- Woven and nonwoven geotextiles
- Geogrids and geocomposites
- Reinforcement and stabilization fabrics
- Geosynthetic conformance testing

ABOUT THE STANDARD

ASTM D4595 determines the tensile properties of geotextiles using a wide-width strip specimen. Testing a wide specimen reduces the lateral contraction seen in narrow strips, giving results closer to field behavior. The method reports breaking strength per unit width, elongation and secant modulus, and applies to woven, nonwoven, knitted and composite geotextiles.

Ordering & customization: Specify specimen width, material strength range, 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-D4595-WG