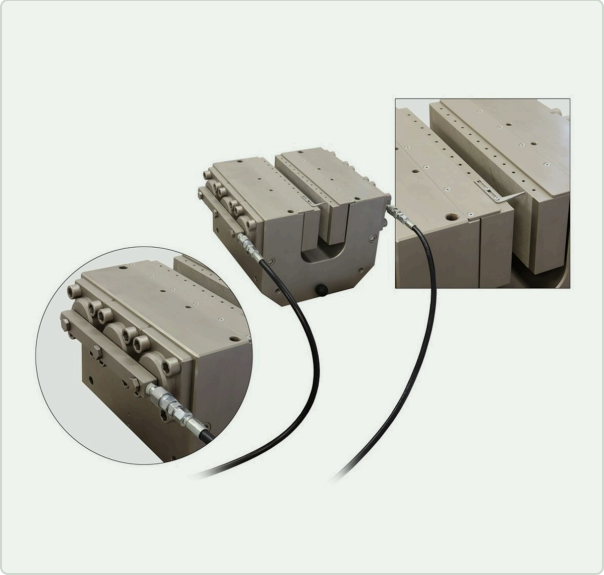
HYDRAULIC GRIPS

Hydraulic Geotextile Grip 250 kN

Hydraulic wide-width grip for geotextiles and geogrids to ASTM D6637



OVERVIEW

A hydraulic grip for wide-width tensile testing of geotextiles, geogrids and related products to ASTM D6637. It carries 250 kN tensile load with 500 kN clamping force at 350 bar, or 650 kN at 450 bar. Wide pyramid or wave jaws up to 330 mm across hold the full specimen width without slippage.

KEY FEATURES

- Rated for 250 kN maximum tensile load
- 500 kN clamping at 350 bar, 650 kN at 450 bar
- Wide jaws for full-width geosynthetic specimens
- Pyramid (serrated) or wave jaw faces
- Jaw opening 0–35 mm (wave jaw version)
- Nickel-plated steel body for corrosion resistance

TECHNICAL SPECIFICATIONS

Max. load	250 kN
Clamping force	500 kN at 350 bar; 650 kN at 450 bar
Jaw face size	300 × 110 mm pyramid or 330 × 112 mm wave (W x H)
Jaw opening	0–35 mm (wave jaws)
Coupling	Female clevis Ø 60 mm pin or male clevis Ø 70 mm pin hole, by version
Body material	Steel, nickel-plated; jaws hardened
Temperature range	0 to +70 °C
Operation	Hydraulic

AVAILABLE VERSIONS

Pyramid jaw version	300 × 110 mm serrated jaws, female clevis coupling
Wave jaw version	330 × 112 mm wave jaws, 0–35 mm opening, male clevis coupling

APPLICATIONS

- Woven and nonwoven geotextiles
- Polymer geogrids
- Reinforced geomembranes
- Woven technical fabrics

STANDARDS ASTM D6637

Ordering & customization: Specify jaw face type and width, machine coupling and hydraulic supply pressure.

Drawings available on request
Contact us for dimensional drawings or 3D models of this product.

Specifications are typical and may vary by configuration; confirm at time of quote. Custom versions, couplings and adapters available on request. Part ref. UGC-HG-050