HYDRAULIC GRIPS

Single-Piston Hydraulic Geotextile Grip 250 kN

Single-piston hydraulic wide-width grip for geotextiles and geogrids to ASTM D6637



OVERVIEW

A single-piston hydraulic grip for wide-width tensile testing of geotextiles and geogrids to ASTM D6637. It carries 250 kN tensile load with up to 500 kN clamping force at 450 bar. Quick-change insert jaws with a 220 × 150 mm clamping surface are available in wave, pyramid and Vulkollan faces, and can be driven by an air-hydraulic pump.

KEY FEATURES

- 250 kN tensile load, 500 kN clamping at 450 bar
- Single hydraulic piston design for a compact grip
- 220 × 150 mm insert jaws on carriers
- Wave, pyramid and Vulkollan-coated jaw faces
- Jaw opening 0–30 mm for thick and flexible specimens
- Nickel-coated steel body for corrosion resistance

TECHNICAL SPECIFICATIONS

Max. tensile load	250 kN
Clamping force	500 kN at 450 bar
Jaw face size	220 × 150 mm (W x H) insert jaws
Jaw opening	0–30 mm
Coupling	Female clevis, Ø 60 mm pin
Body material	Steel, nickel-coated
Operation	Hydraulic, single piston; air-hydraulic pump available
Temperature range	On request

AVAILABLE VERSIONS

Wave insert jaws	220 × 150 mm, for geotextiles
Pyramid insert jaws	220 × 150 mm, also for conveyor belts
Vulkollan insert jaws	220 × 150 mm, for sensitive surfaces
Adapter plate version	Platen with M12 × 1.75 threaded hole for adapters

APPLICATIONS

- Woven and nonwoven geotextiles
- Polymer geogrids
- Conveyor belts
- Technical fabrics

STANDARDS ASTM D6637

Ordering & customization: Specify jaw face type, machine coupling and whether an air-hydraulic pump or adapter plate is required. A safety guard with guide is recommended.

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-040