HYDRAULIC GRIPS

Hydraulic Grip 170 kN Clamping

Single-cylinder hydraulic grip with 100 × 100 mm pyramid jaws



OVERVIEW

A hydraulic grip in which an 80 mm diameter piston drives one jaw against an adjustable counter jaw, giving 170 kN clamping force at 350 bar. Large 100 × 100 mm pyramid (serrated) jaws hold flat metal and composite specimens securely. A knurled adjuster sets the counter jaw position to suit specimen thickness.

KEY FEATURES

- 170 kN clamping force at 350 bar
- Ø 80 mm hydraulic piston drives the moving jaw
- 100 × 100 mm pyramid (serrated) jaws
- Knurled adjuster for counter jaw position
- Clevis block with cross pin for machine connection
- Compact steel body with stacked guide plates

TECHNICAL SPECIFICATIONS

Clamping force	170 kN at 350 bar
Test type	Tension
Piston diameter	80 mm
Jaw face size	100 × 100 mm, pyramid (serrated)
Jaw opening	On request
Coupling	Clevis pin coupling — other sizes via adapters
Operation	Hydraulic, single-acting
Temperature range	On request

APPLICATIONS

- Sheet and plate metals
- Fiber composites
- Flat bar and strip
- Welded joints

Ordering & customization: Specify machine coupling, specimen thickness range and jaw face type, and the hydraulic supply available.

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-020