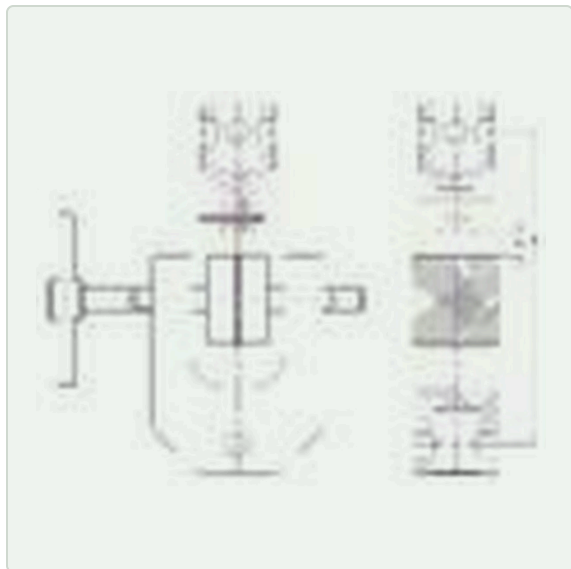


Hydraulic Grip for Leather Double-Hole Stitch Tear

Built to ASTM D4705 — Standard Test Method for Stitch Tear Strength of Leather, Double Hole



OVERVIEW

Hydraulically actuated grip for double-hole stitch tear testing of leather. The leather tail is clamped with consistent, adjustable hydraulic pressure while the opposing attachment pulls through two punched holes, so the measured force reflects stitch tear resistance rather than jaw slippage or uneven hand-tightened clamping.

KEY FEATURES

- Hydraulic clamping gives repeatable, adjustable gripping pressure
- Clamping force independent of operator technique
- Pairs with a double-hole stitch tear attachment for the opposing end
- Smooth or lightly textured faces protect thin leather from jaw breaks
- Compact grip body suits low-force leather testing

TECHNICAL SPECIFICATIONS

Test method	Double-hole stitch tear strength of leather
Test type / loading	Tensile tear through two punched holes
Specimens	Leather specimens with two holes, per ASTM D4705 geometry
Load capacity	5 kN standard; higher capacities on request
Grip material	Steel body with hydraulic actuation, corrosion-resistant finish
Gripping surfaces	Smooth or lightly textured faces for leather
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical universal test machines

APPLICATIONS

- Footwear upper leathers
- Garment and glove leathers
- Upholstery and automotive leathers
- Tannery quality control

ABOUT THE STANDARD

ASTM D4705 determines the stitch tearing resistance of leather using a double-hole tear. A specimen with two holes, simulating a stitch, is torn by pulling a loading member through the holes while the other end is clamped. It is particularly applicable to lightweight leathers used in footwear, apparel and upholstery, and does not apply to wet blue.

Ordering & customization: Specify leather thickness range, clamping pressure source, 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-D4705-HG