SHOULDER & BUTTON HEAD GRIPS

Nail Withdrawal Resistance Fixture

Upper grip with adjustable sample gap for direct nail withdrawal tests on wood panels to ASTM D1037



OVERVIEW

Fixture for measuring the resistance of nails to direct withdrawal from wood-based panels to ASTM D1037, Fig. 11. The panel sample sits in the upper grip, adjustable for thicknesses from 3 to 30 mm, while the nail head projects through a radiused slot and is gripped in a lower grip with serrated jaws. Pulling the two apart withdraws the nail.

KEY FEATURES

- Built to ASTM D1037, Fig. 11 direct nail withdrawal method
- Adjustable sample gap for panels 3 to 30 mm thick
- Nail slot with 1.75 mm radius
- Lower grip with serrated jaws holds the nail securely
- Nickel-plated steel rated to 10 kN

TECHNICAL SPECIFICATIONS

Max. load	10 kN
Test type	Direct nail withdrawal from wood panels
Sample thickness	3-30 mm, adjustable
Nail slot radius	1.75 mm
Lower grip	Serrated jaws
Material	Steel, nickel-plated
Coupling	Male clevis, Ø 25 mm pin hole

APPLICATIONS

- Particleboard and fiberboard
- Wood-based panel products
- Fastener holding capacity
- Building products laboratories

STANDARDS ASTM D1037

Ordering & customization: Specify the nail diameter, panel thickness range and the coupling of your testing machine.

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-SH-360