ASTM D1037 Fig. 12 Test Fixture

Fastener Test Fixture for Wood-Base Panels

Built to ASTM D1037 Fig. 12 — Standard Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials



OVERVIEW

Fastener test fixture for wood-base fiber and particle panels, built to the Fig. 12 arrangement of ASTM D1037. The panel specimen is clamped in a rigid frame and the fastener is loaded through a matched holder, so the force needed to displace the fastener through the panel is recorded at a controlled rate.

KEY FEATURES

- Rigid frame clamps the panel specimen securely
- Fastener holder aligned with the loading axis
- Accepts a range of panel thicknesses
- Quick specimen change for test series
- Supplied with adapters to suit your load frame

TECHNICAL SPECIFICATIONS

Test method	Fastener test per ASTM D1037 (Fig. 12 arrangement)
Test type / loading	Monotonic loading at constant rate
Specimens	Panel specimens with fastener per ASTM D1037
Load capacity	5 kN standard; higher capacities on request
Fixture material	Steel, corrosion-resistant finish
Gripping surfaces	Panel clamping frame; fastener holder
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical universal test machines

APPLICATIONS

- Particleboard and fiberboard QC
- Oriented strand board testing
- Fastener holding evaluation
- Panel product development

ABOUT THE STANDARD

ASTM D1037 provides test methods for wood-base fiber and particle panel materials, including bending, tension, compression, fastener performance, hardness, shear, moisture and other properties. Fastener tests characterize how well panels hold nails and screws, which governs connection design and installation performance for particleboard, fiberboard, oriented strand board and similar products.

Ordering & customization: Specify panel thickness, fastener type and size, 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-D1037Fig.12-TF