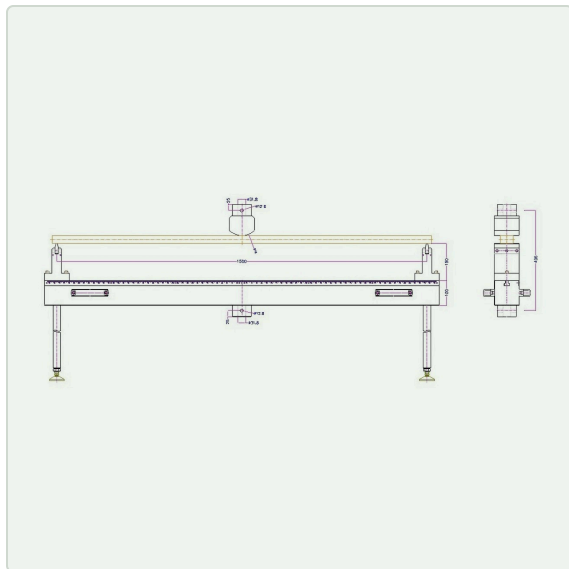


Flexure Fixture for Structural Wood Panels

Built to ASTM D3043 — Standard Test Methods for Structural Panels in Flexure



OVERVIEW

Flexure fixture for determining the bending properties of structural panels such as plywood and OSB. The panel specimen rests on supports and is loaded by a loading head, allowing bending strength and stiffness to be calculated from load and deflection.

KEY FEATURES

- Adjustable support span to suit specimen thickness and method
- Center-point or two-point loading heads available
- Large-radius rollers minimize indentation in wood panels
- Wide supports accommodate full specimen width
- Supplied with adapters to suit your load frame (clevis or threaded)

TECHNICAL SPECIFICATIONS

Test method	Flexure of structural panels
Test type / loading	Center-point or two-point bending
Specimens	Panel strips per ASTM D3043 method and specimen geometry
Load capacity	10 kN standard; higher capacities on request
Fixture material	Steel, corrosion-resistant finish
Loading members	Rollers with radius suited to wood panels
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical and servo-hydraulic universal test machines

APPLICATIONS

- Plywood and OSB
- Engineered wood composite panels
- Sheathing and flooring panels
- Panel mill quality control

ABOUT THE STANDARD

ASTM D3043 covers determination of the flexural properties of structural panels, including plywood, oriented strand board and composite panels. The methods include center-point and two-point loading of small specimens and, for larger specimens, pure moment loading. Results include bending strength, stiffness and modulus of elasticity used for design and quality control.

Ordering & customization: Specify panel thickness, specimen width, test method, spans 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-D3043-BF