STANDARDS TEST FIXTURE

Wood Screw Axial Withdrawal Fixture

Fixture for axial withdrawal resistance of screws in wooden specimens



OVERVIEW

Special fixture for testing the resistance of screws to axial withdrawal from wooden specimens. The wood block sits in a rigid C-shaped steel frame, while the screw head is held in a split collet tightened by a wing nut. The testing machine pulls the screw out along its axis and the peak withdrawal force is recorded.

KEY FEATURES

- Rigid C-frame holds wood blocks of various sizes
- Split collet with wing nut grips the screw head
- Pull-out load applied exactly along the screw axis
- Top plate slot allows quick specimen changes
- Steel construction with a corrosion-resistant nickel finish
- Clevis pin connection top and bottom

TECHNICAL SPECIFICATIONS

Test type	Axial withdrawal, tension
Specimen	Wood blocks with installed screws
Screw holder	Split collet with wing nut
Specimen frame	C-shaped steel frame
Max. load	On request
Material	Steel, nickel-plated
Coupling	Clevis pin coupling - other sizes via adapters
Temperature range	Ambient

APPLICATIONS

- Wood screws and fasteners
- Timber construction products
- Wood-based panels
- Fastener manufacturers

Ordering & customization: Specify screw diameter and head type, wood block size, expected maximum load and machine coupling.

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-ST-770