**Wood Testing Grips**

**Description:**
Variable span three point flexural unit comprising of two support anvils and one center loading anvil. Graduated scale on main body for accurate setting of support anvils.

**Recommended For Use On:**
Bench mounted materials testing machines

**Applications:**
Determining the modulus of rupture (MOR) of particle board and plywood. As an option, an LVDT transducer can be fitted for determining the modulus of elasticity (MOE). With minor variations to the center and support anvils, this unit conforms to ASTM D1037, 3043, BS1142, 4512, 5669 and DIN 52362. When ordering please specify relevant standard and maximum thickness of board.

**Specifications:**
- **Max. Capacity:** 25 kN/5000 lbf
- **Min. Loadcell:** 250N
- **Variable Span:** 50-1000mm / 2-30 in
- **Radius of Anvils:** 12.5mm / 0.5 in
- **Width of Anvils:** 110mm/4.33in
- **Weight of center anvil:** 1.8kg / 4lb
- **Weight of base:** 16kg / 35.3lb
- **Temperature Limits:** Ambient

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**Description:**
Self aligning claw adaptors for applying a tensile load to a test assembly comprising of two alloy loading blocks bonded to opposing surfaces of the test sample.

**Recommended For Use On:**
Bench mounted materials testing machines

**Applications:**
Determining the internal bond strength of particle board and fiber board by applying a tensile force perpendicular to the board surface. Conforms to ASTM D1037, BS 1142 and 5669, and DIN 52365.

**Specifications:**
- **Max. Capacity:** 10 kN/2,000 lbf
- **Minimum Loadcell:** 250N
- **Self Aligning Adaptor:**
  - 2x Alloy Loading Blocks: 50x50x20mm / 2x2x\(\frac{3}{4}\) in
  - Weight of top adaptor: 1kg / 2.2 lb
  - Weight of bottom adaptor: 400g / 0.9 lb
- **Temperature Limits:** Ambient

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**Description:**
Comprising of a slotted stirrup to oppose the withdrawal force on a nail or screw. A self aligning puller which locates underneath the head or screw applies the withdrawal force.

**Recommended For Use On:**
Bench mounted materials testing machines.

**Applications:**
For determining the resistance to axial withdrawal of nails or screws in particle and fiber boards. Conforms to ASTM D1037 and D1761 for nail and screw withdrawal, and BS1142 and 5669 for screw withdrawal. Please specify relevant standard when ordering.

**Specifications:**
- **Max. Capacity:** 2.5 kN/500lbf
- **Minimum Loadcell:** 25N
- **Self Aligning Adaptor:**
  - Weight Nail Puller: 200g / 0.45lb
  - Weight of Stirrup: 1.4kg / 3lb
- **Temperature Limits:** Ambient
**Grip Reference HT82**

**Description:** A self aligning stirrup which applies a lateral force to a 2.8mm diameter nail driven perpendicularly through the test board. The free end of the board is held with a suitable grip, typically a wedge grip. Note - one stirrup is required per thickness of board.

**Used On:** Benchtop materials testing machines

**Applications:**
Determining the resistance of nails to lateral movement in particle board and fiber board. Conforms to ASTM D1037. Please specify the thicknesses of boards when ordering.

**Specifications:**
- **Maximum Capacity:** 5kN/1,000lb
- **Min. Loadcell:** 100N / 20lb
- **Weight of Stirrup:** 500g / 1.1lb
- **Temperature Limits:** Ambient

Specifications subject to change without notice

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