



Wood Test Fixtures

2820-003 Cleavage Fixture for MONNIN Specimens

Features

- Meets BS 373 and ASTM D 143
- 10 kN(1000 kgf, 2250 lbf) force capacity
- Designed for 50 mm (2 in) x 76 mm (3 in) specimen cleavage area

Description

The cleavage test provides an indication of the resistance of wood to splitting. The 2820-003 fixture meets a range of international standards including BS 373 and ASTM D 143.

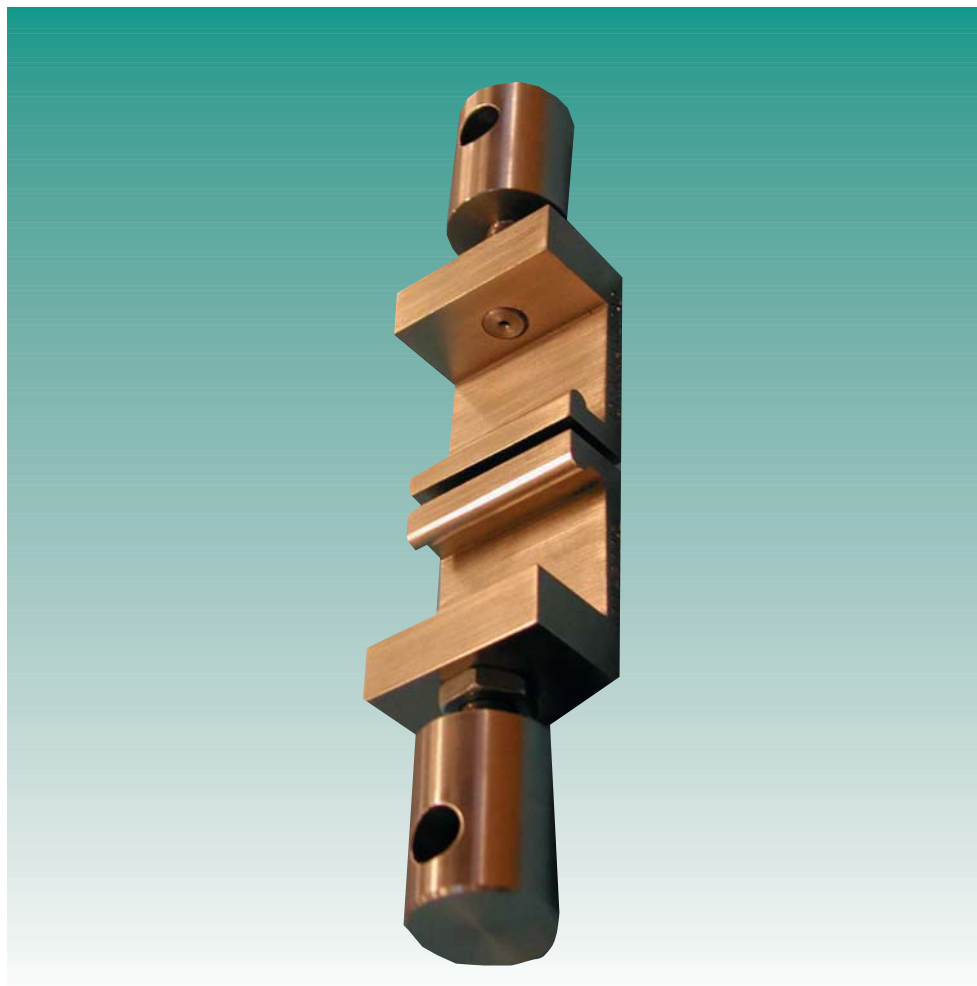
Principle of Operation

The test fixture consists of a pair of grips that hook under the cut-out of the MONNIN specimen. The contact surfaces are 48 mm (1.875 in) wide and feature a 3 mm (0.125 in) radius.

The upper grip is typically attached to a flexible coupling to provide self-alignment during the test. A tensile force is applied to the specimen with the maximum force being used to determine the cleavage resistance.

Accuracy

- Cleavage tests on wood using MONNIN specimens to ASTM D 143 and BS373



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2820-003 cleavage test fixture

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Accessories

Catalog Number	2820-003
Maximum Capacity	10 kN (1000 kgf, 2250 lbf)
MECHANICAL CONNECTION	
Upper Fitting	1/2 in clevis pin (Type Dm)
Lower Fitting	1/2 in clevis pin (Type Dm)
Overall Width (A)	38 mm (1.5 in)
Effective Length (B)	213 mm (8.4 in)
Weight	0.75 kg (1.65 lb) each grip
Temperature Range	Room temperature

Notes:

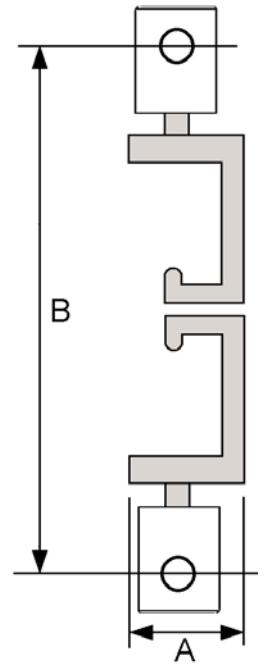
- Requires flexible coupling

Specifications

Catalog Number	Test Description
2820-002	Shear (parallel to grain)
2820-003	Cleavage (MONNIN)
2820-004	Hardness
2820-005	Nail or screw withdrawal
2820-006	Adhesive bond (tensile)
2820-007	Tensile (parallel to grain)
2820-008	Tensile (perpendicular to grain)
2820-009	Compression (parallel to grain)
2820-010	Compression (perpendicular to grain)
2820-011	Tensile (perpendicular, for chipboard etc)
2820-012	Static bend

Notes:

- Custom designed fixtures for testing wood and timber products are also available.
If the above fixtures do not meet your requirements please contact us.



▲ 2820-003 cleavage fixture



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