

INTERNAL BOND FIXTURE FOR WOOD

2820-061

The 2820-061 internal bond fixture is designed for testing the strength properties of wood or adhesive bonds in wood by tensile loading.

The fixture consists of a self-aligning upper grip and a rotatable lower grip. Tensile loading is applied to the specimen via blocks bonded to the specimen itself. Simple clevis pin interfaces are used which allow quick and easy fitting and removal of the grips.

PRINCIPLE OF OPERATION

The upper grip contains an integral self-aligning connection which ensures uniform distribution of the tensile load. A rotatable lower grip makes loading the specimen easy and minimises any torsional misalignment. Each grip has shoulders which locate into slots in the blocks which are bonded to the specimen.

The specimen, complete with two bonded blocks, is simply inserted into the grips and a tensile test performed.

FEATURES

- 10 kN (1000 kgf, 2250 lbf) force capacity
- Self-aligning upper grip ensures uniform lateral distribution of applied load
- Rotatable lower grip ensures ease of specimen loading and minimises torsional misalignment
- Ideal for tests on chipboard, fiberboard etc.
- Compliant with ASTM, BS, and JIS standards

APPLICATION RANGE

- Static tensile tests on a wide range of wood and timber specimens and adhesive bonds at ambient temperatures
- Type of Loading: Static tensile. Not suitable for high cycle dynamic fatigue tests
- Specimen shapes: Rectangular



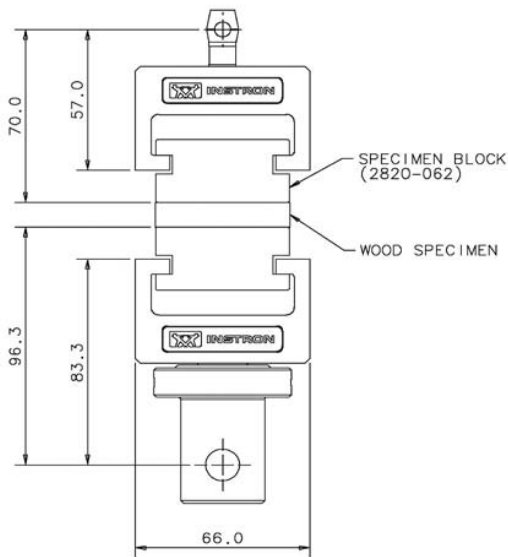
2820-061 Internal bond fixture

SPECIFICATIONS

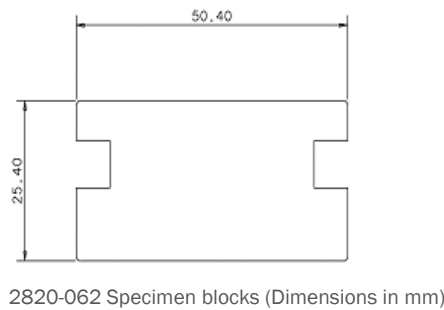
Catalog Number		2820-061
Compliance to Standards		ASTM D1037-99, BS5669-1979, JIS A5905-1994, JIS A5906-1993, JIS A5908-1994
Upper Fitting		6 mm clevis (Type Om) swivel
Lower Fitting		0.5 in clevis (Type Dm)
Weight- Upper	kg	0.65
	lb	1.4
Weight- Lower	kg	1.1
	lb	2.4

ITEMS FOR USE WITH 2820-060

Catalog Number		2820-062
Description		Specimen blocks (Steel). Set of 20
Weight (Per block)		0.47 kg



2820-061 internal bond test fixture (Dimensions in mm)


www.instron.com


Worldwide Headquarters
825 University Ave, Norwood, MA 02062-2643, USA
Tel: +1 800 564 8378 or +1 781 575 5000

European Headquarters
Coronation Road, High Wycombe, Bucks HP12 3SY, UK
Tel: +44 1494 464646