

TG 4975

3 Point Bend Jig for Polystyrene to EN 12089:1997 Method B

This fixture is designed to perform three point bend tests on polystyrene samples measuring 300 x 150 x 50 mm (11.81 x 5.91 x 1.97 in) in accordance with the standard EN 12089: 1997 (Method B).

The jig consists of an extruded aluminium base with a fixed centre of 250 mm (9.84 in). Two circular supports 30 mm (1.18 in) in diameter, are fitted to the base. The sample is placed centrally on the two supports. An upper loading anvil with a 5/8 in eye end is fixed to the machine's load cell and driven down onto the sample midway between the two supports.

Capacity

1 kN (225 lbf)

Packaging

Base with supports and upper anvil.

Applications

Used to determine the resistance of the sample to bending stresses.

Standards Applicable

EN 12089: 1997 (Method B - bending behaviour of test specimens). Thermal Insulating Products for Building Applications - Determination of Bending Behaviour.

Specifications

Maximum Capacity:	1 kN (225 lbf)
Minimum Loadcell:	50 N (11.24 lbf)
Sample Dimensions:	300 x 150 x 50 mm (11.81 x 5.91 x 1.97 in)
Base Table Dimensions:	340 x 180 mm (13.39 x 7.09 in)
Span:	250 mm (9.84 in)
Anvil Diameter:	30 mm (1.18 in)
Eye End Diameter:	5/8 in
Temperature Limits:	Ambient
Weight:	311 kg (686 lb)



SPECIFICATION
SS-MT-6433-0102
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INTERNET
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This model is specifically designed for use with LLOYD INSTRUMENTS or CHATILLON LRX, LRX*Plus* and LF*Plus* materials testing machines. Please contact AMETEK if you wish to use this jig on another model.

Should samples of different dimensions need to be tested, AMETEK have a range of alternative 3 point bend fixtures or are able to design fixtures for specific applications.



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Manufacturer