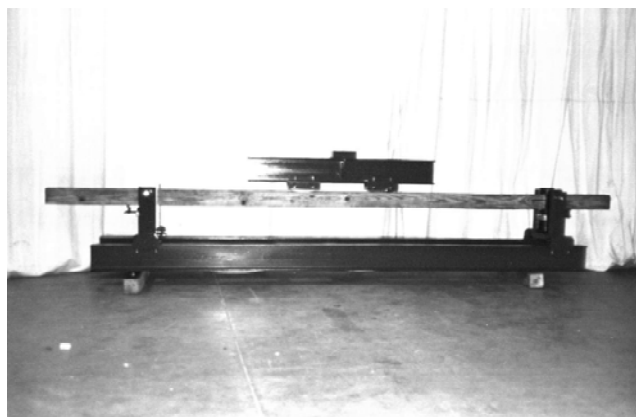


120" STATIC BEND FIXTURE FOR WOOD SUBSTRATES



Specimen	Width	Any size up to 4.0"
	Thickness	Any size up to 8.0"
	Length	Any size up to 120"
Fixture	Construction	High strength steel, steel with painted surfaces
	Temperature	-120 to 250°F (-85 to 122°C)
	Mounting	1.5"-12 threaded coupling and platen
	Capacity	20,000 lbs (90kN)
	Weight	200 lbs approximately
	Dimensions	Assembled - 130" x 10" x 24"
	Standard	Manufactured in accordance with ASTM D143

Model No. ASTM.D0143.62 - 120" Static Bending Fixture For Wood Substrates

The fixture is constructed of steel and wood. Standard specimen geometry 4"(101mm) wide by 8"(203mm). The fixture has adjustable specimen supports for different spans from 12"(304mm) to 120.0"(3,048mm). The specimen is supported on roller platens which are laterally adjustable for twist in the specimen. A mid-span displacement gauge (0.001 graduations, 1.0" capacity) with alignment bracket is supplied with the fixture. The fixture is supplied with 1.5" -12 top loading coupling, while the base of the fixture sits on a platen (not included). The loading head is made of hard maple with a radius nose according to ASTM D143.

MODEL NO. ASTM.D0143.62

FLEXURE, TESTING

ACCESSORIES

Upper fixture attachment is supplied with 1.5" -12 female coupling. (Common adapter sizes include:)

Model No. M03S48 - 1.25" Male Clevis (Type D) to 1" -14 Threaded Stud

Model No. S48S36 - 1.5" -12 to 1" -14 Threaded Step Stud

Model No. S60S36 - 2" -12 to 1" -14 Threaded Step Stud

Model No. LN36 - Threaded Locking Nut with Knurled OD

SPARE PARTS

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

Reference

ASTM Test Method D143 - 14

Standard Test Methods for Small Clear Specimens of Timber

1. Scope

1.1 These test methods cover the determination of various strength and related properties of wood by testing small clear specimens.

1.1.1 These test methods represent procedures for evaluating the different mechanical and physical properties, controlling factors such as specimen size, moisture content, temperature, and rate of loading.

1.1.2 Sampling and collection of material is discussed in Practice D5536. Sample data, computation sheets, and cards have been incorporated, which were of assistance to the investigator in systematizing records.

1.1.3 The values stated in inch-pound units are to be regarded as the standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard. When a weight is prescribed, the basic inch-pound unit of weight (lbf) and the basic SI unit of mass (Kg) are cited.

1.2 The procedures for the various tests appear in the following order

Photographs of Specimens (5) Control of Moisture Content and Temperature (6) Record of Heartwood and Sapwood (7)

Static Bending (8) Compression Parallel to Grain (9) Impact Bending (10) Toughness (11) Compression Perpendicular to Grain (12)

Hardness (13) Shear Parallel to Grain (14) Cleavage (15) Tension Parallel to Grain (16) Tension Perpendicular to Grain (17) Nail Withdrawal

(18) Specific Gravity and Shrinkage in Volume (19) Radial and Tangential Shrinkage (20) Moisture Determination (21) Permissible Variations

(22) Calibration (23)

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

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