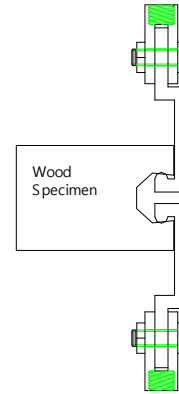


WOOD CLEAVAGE TEST FIXTURE



Specimen	Width	Up to 2.0"
	Thickness	Up to 2.0"
	Length	Any length - 3" typical
Fixture	Construction	Stainless steel
	Temperature	-240 to 600°F (-152 to 318°C)
	Mounting	1/2" -20 threaded couplings
	Capacity	2,000 lbs (8.9 kN)
	Weight	12 lbs approximately
	Dimensions	Assembled - 2" x 2" x 10"
	Standard	Manufactured in accordance with ASTM D143

Model No. ASTM.D0143.20 - Wood Cleavage Test Fixture

The cleavage fixture is constructed of stainless steel and measures 1-7/8" wide with 1/8" radii at the loading points. The fixture is supplied with 1/2"-20 UNF threaded couplings for adaption to your test machine. This fixture should be used with a universal joint in the load train. The cleavage test fixture is constructed in accordance with ASTM D143.

MODEL NO. ASTM.D0143.20

WOOD, CLEAVAGE

ACCESSORIES

Upper and lower fixture attachment is supplied with 1/2" -20 female couplings (Common adapter sizes include):

Model No. M01S21 - 1/2" Male Clevis (Type B) to 1/2" -20 Threaded Stud

Model No. M02S21 - 5/8" Male Clevis (Type C) to 1/2" -20 Threaded Stud

Model No. M03S21 - 1.25" Male Clevis (Type D) to 1/2" -20 Threaded Stud

Model No. M12S21 - 12mm Male Clevis (Type O) to 1/2" -20 Threaded Stud

Model No. S36S21 - 1" -14 to 1/2" -20 Threaded Step Stud

Model No. LN21 - 1/2" -20 Threaded Locking Nut with Knurled OD

SPARE PARTS

No 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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