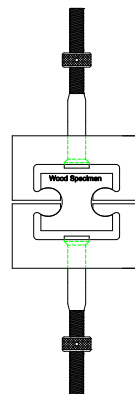


WOOD PERPENDICULAR TO THE GRAIN TENSILE GRIPS



Specimen	Width	2.0", (1.0" at reduced gage section)
	Thickness	2.0"
	Length	2.5"
Fixture	Construction	Stainless steel and high strength steel
	Temperature	-120 to 250°F (-85 to 122°C)
	Mounting	1/2" - 20 threaded stud ends
	Capacity	5,000 lbs (22kN)
	Weight	6 lbs approximately
	Dimensions	Assembled - 3" x 2" x 4"
	Standard	Manufactured in accordance with ASTM D143

Model No. ASTM.D0143.40 - Wood Perpendicular To The Grain Tensile Grip

The grips are 4" wide by 2" high by 2" thick and can handle a specimen size of 2" wide by 2.5" length by 2" thick. The grips are supplied with 1/2"-20 threaded studs for adaption to your test machine, and should be used with a universal joint in the load train. The grips have a capacity of 5,000lbs. The grips are constructed of stainless steel and high strength steel in accordance with ASTM D143.

MODEL NO. ASTM.D0143.40

WOOD, TENSILE

ACCESSORIES

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

Model No. M01C21 - 1/2" Male Clevis (Type B) to 1/2" -20 Threaded Coupling

Model No. M02C21 - 5/8" Male Clevis (Type C) to 1/2" -20 Threaded Coupling

Model No. M03C21 - 1.25" Male Clevis (Type D) to 1/2" -20 Threaded Coupling

Model No. M12C21 - 12mm Male Clevis (Type O) to 1/2" -20 Threaded Coupling

Model No. C36C21 - 1" -14 to 1/2" -20 Threaded Coupling

Model No. LN21 - 1/2" -20 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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