COMPRESSION INCLINE-SHEAR TEST FIXTURE

Specimen
Width 2.000"
Thickness 0.250" - 0.313"
Length 2.000"

Fixture
Construction High strength steel with protective black oxide
Temperature -120 to 250°F (-85 to 122°C)
Mounting Platen to platen
Capacity 5,000 lbs
Weight 50 lbs approximately
Dimensions 4” x 6” x 10” approximately
Standard Manufactured in accordance with ASTM D1037.

Model No. ASTM.D1037.85 - Compression Incline-shear Test Fixture
Specimen configuration up to 2” square. The upper incline anvil is guided by twin linear bearings and held in an open option by means of a compression spring. The anvils are serrated per the standard. Constructed from high strength steel with a protective finish. Constructed in accordance with ASTM D1037.
Upper fixture attachment is loaded using a platen or flat surface of the test machine. (Common adapter sizes include:)
- Model No. PLAT.RF061.10 - 6" Diameter Round Fixed Compression Platen
- Model No. PLAT.RA061.10 - 6" Diameter Round Articulating Compression Platen
- Model No. PLAT.SF061.10 - 6" Square Fixed Compression Platen
- Model No. PLAT.SA061.10 - 6" Square Articulating Compression Platen
- Model No. M03S36 - 1.25" Male Clevis (Type D) to 1"-14 Threaded Stud

Lower fixture attachment is supported on a platen or flat surface of the test machine. (Common adapter sizes include:)
- Model No. PLAT.RF061.10 - 6" Diameter Round Fixed Compression Platen
- Model No. PLAT.RA061.10 - 6" Diameter Round Articulating Compression Platen
- Model No. PLAT.SF061.10 - 6" Square Fixed Compression Platen
- Model No. PLAT.SA061.10 - 6" Square Articulating Compression Platen
- Model No. M03S36 - 1.25" Male Clevis (Type D) to 1"-14 Threaded Stud

**SPARE PARTS**

Call for replacement or spare parts

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**REFERENCE DOCUMENT AND TEST METHOD SCOPE:**

Scope: [http://www.astm.org/Standards/D1037.htm](http://www.astm.org/Standards/D1037.htm)

ASTM D1037-12Standard Test methods for Evaluating Properties of Wood-Based Fiber and Particle Panel Materials

1.1 Part A General Test Methods for Evaluating the Basic Properties of Wood-Based Fiber and Particle Panel Materials. These test methods cover the determination of the properties of wood-based fiber and particle panel materials that are produced as mat-formed panels such as particleboard, medium-density fiberboard, hardboard, and oriented strand board. Significance and Use: (4)Apparatus(5)Test Specimens(6)Sample Preparation(7)Moisture Contingent and Conditioning Requirements(8)Accelerated Aging(9)Size, Physical Properties and Appearance of Panels(10)Flatness(11)Thickness(12)Thickness Swelling(13)Linear Expansion with Change in Moisture Content(24)Cupping and Twisting(25)Interlaminate Shear(26)Edgewise Shear(27)Compression Shear(28)

1.2 Part B Acceptance and Specification Test Methods for Hardboard. The methods for Part B provide test procedures for measuring the following properties of hardboard:
- Thickness (32)Modulus of Rupture (33)Tension Strength Parallel to Surface (34)Tension Strength Perpendicular to Surface (35)Water Absorption and Thickness Swelling (36)Moisture Content and Specific Gravity (37)

1.3 There are accepted basic test procedures for various fundamental properties of materials that may be used without modification for evaluating certain properties of wood-based fiber and particle panel materials. These test methods are included elsewhere in the Annual Book of ASTM Standards. The pertinent ones are listed in Table 1. A few of the test methods referenced are for construction where the wood-base materials often are used.

1.4 The values stated in inch-pound units are to be regarded as the standard. The SI equivalents are approximate in many cases. 1 in. = 25.4 mm, 1 lbf = 4.45 N.

1.5 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.
