Model No. ASTM.D3931.10 - Adhesive Bond Strength Shear Test Fixture. 15,000 pound capacity compression loading fixture that applies a shear load to a bonded sample. The loading anvil has a self-alignment seat that allows uniform lateral distribution of load. The fixture has a 1/2"-20 threaded coupling supplied in loading plate, while the base sits on a platen. The fixture is constructed in accordance with ASTM D143, D905, D2559, D3931 & D5751.
MODEL NO.  ASTM.D3931.10
ASTM, GAP, FILLING, ADHESIVE, BOND, SHEAR,

ACCESSORIES

Upper fixture attachment is supplied with 1/2” -20 female coupling (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

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

Contact us for spare or replacement parts

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

http://www.astm.org/Standards/D3931.htm
ASTM D3931 - 08(2015)
Standard Test Method for Determining Strength of Gap-Filling Adhesive Bonds in Shear by Compression Loading
1.1 This test method covers the determination of comparative shear properties of gap-filling adhesives in wood-to-wood joints at specified thicknesses of bondline in the dry condition, when tested on standard specimens under specified conditions of preparation, conditioning, and loading in compression. This test method is intended as an evaluation of gap-filling adhesives such as those used to bond plywood to lumber, lumber to lumber, and other similar materials in building constructions.
1.2 This test method also may be used to determine shear properties of gap-filling adhesives in species of wood and in thicknesses of bondline other than those specified for the comparative tests of shear properties within this test method. All procedures specified herein are applicable, excepting requirements for wood species and specific gravity, and thicknesses of bondlines.
1.3 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.
1.4 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.