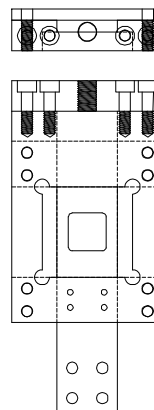


BLOCK SHEAR TEST FIXTURE (CS)



Specimen:	Holding Block	3" x 3" x 1/2" thick
	Shearing Tool	1.125" x 1.125" x 1/2"
Fixture:	Construction	High strength steel with protective finish
	Temperature	-120 to 250 °F (-85 to 122°C)
	Mounting	5/8"-18 threaded couplings
	Capacity	10,000 lbs (44 kN)
	Weight	20 lbs approximately
	Dimensions	Assembled 5" x 1.5" x 12"
	Standard	Manufactured in accordance with ASTM D4501

Model No. ASTM.D4501.10 - Block Shear Test Fixture

10,000 lbs capacity tensile mode shearing fixture that applies a shear load to the bonded substrate while securely positioning the rigid substrate. The fixture will accommodate a specimen 3" by 3" up to 1/2" thick. Constructed from high strength steel with a protective black oxide finish. Supplied with 5/8"-18 threaded mounting couplings to fit your test machine. The fixture is manufactured in accordance with ASTM D4501.

The specimen is a 1" x 1" that can be bonded to a 3" x 3" substrate or the specimen can be a 1" x 1" lap shear that will fit into the substrate loading plate that is provided. Supplied with 5/8"-18 threaded couplings to fit your test machine and is manufactured in accordance with ASTM D4501.

MODEL NO. ASTM.D4501.10

ASTM, SHEAR, ADHESIVE, RIGID, SUBSTRATE,

ACCESSORIES

Upper and lower fixture attachment is supplied with 5/8"-18 female coupling (Common adapter sizes include:

Model No. M01S27 - 1/2" Male Clevis (Type B) to 5/8" -18 Threaded Stud
Model No. M02S27 - 5/8" Male Clevis (Type C) to 5/8" -18 Threaded Stud
Model No. M03S27 - 1.25" Male Clevis (Type D) to 5/8" -18 Threaded Stud
Model No. M12S27 - 12mm Male Clevis to 5/8" -18 Threaded Stud Adapter
Model No. S36S27 - 1" -14 to 5/8" -18 Threaded Step Stud
Model No. LN27 - 5/8" -18 Threaded Locking Nut with Knurled OD

SPARE PARTS

Model No. ACC.D4501.1001 - Adapter Plate for Small Specimen Sizes of 1 1/8" x 1 1/8" x 1/2"

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

<http://www.astm.org/Standards/D4501.htm>

ASTM D4501 - 01(2014)

Standard Test Method for Shear Strength of Adhesive Bonds Between Rigid Substrates by the Block-Shear Method

1.1 This test method describes a procedure and fixture used to determine shear strengths of adhesives used to bond materials with moduli higher than the modulus of the adhesive. The size and shape of the specimens are variable within the physical restraints of the fixture.

1.2 The values stated in SI units are to be regarded as the standard.

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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