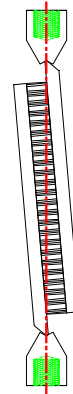


FLATWISE PLANE SHEAR FIXTURE (SS) WITH THREE SETS OF BONDING PLATES (AL) (COMPRESSION MODE)



Specimen:	Width	Any width up to 3"
	Thickness	0.25" to 0.75" (optional plates for thicker samples)
	Length	Up to 9"
Fixture:	Construction	Stainless steel with aluminum bonding plates
	Temperature	-120 to 250°F (-85 to 122°C)
	Mounting	1"-14 threaded studs with locking nuts
	Capacity	20,000 lbs (88.9 kN)
	Weight	20 lbs approximately
	Dimensions	Assembled 3" x 2.5" x 14.5"
	Bonding	Supplied with 3 sets of aluminum bonding plates
	Standard	Manufactured in accordance with ASTM C273 and C394

Model No. ASTM.C0273.11 - Sandwich Flatwise Plane Shear Fixture (Compression Mode)

Specimen configuration up to 9" long and 3" wide. The three sets of loading plates are constructed from aluminum with a protective black anodized coating. The fixture includes an upper and lower loading anvil with a groove to accept loading plates. Supplied with 1" -14 threaded studs with locking nuts. Capacity: 20,000 lbs (88.9 kN) Temp Range -120 to 250°F (-85 to 122°C). Fixture is constructed from stainless steel in accordance with ASTM C273 and C394.

MODEL NO. ASTM.C0273.11

ASTM, FLATWISE, SHEAR, COMPRESSION,

ACCESSORIES

Model No. ACC.C0273.1101 - Set of (2) aluminum bonding plates 9" long by 3" wide

Model No. ACC.C0273.1105 - Extensometer Bracket

Model No. ACC.C0273.1106 - Set of (2) aluminum bonding plates 14" long by 3" wide for 1" thick specimens

Model No. ACC.C0273.1107 - Set of (2) aluminum bonding plates 20" long by 3" wide for 1.5" thick specimens

Model No. ACC.C0273.1108 - Set of (2) aluminum bonding plates 26" long by 3" wide for 2" thick specimens

SPARE PARTS

Contact us for spare or replacement parts

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

<http://www.astm.org/Standards/C273.htm>

ASTM C273/C273M-11

Standard Test Method for Shear Properties of Sandwich Core Materials

1.1 This test method covers the determination of shear properties of sandwich construction core materials associated with shear distortion of planes parallel to the facings. It covers the determination of shear strength parallel to the plane of the sandwich, and the shear modulus associated with strains in a plane normal to the facings. The test may be conducted on core materials bonded directly to the loading plates or the sandwich facings bonded to the plates. Permissible core material forms include those with continuous bonding surfaces (such as balsa wood and foams) as well as those with discontinuous bonding surfaces (such as honeycomb).

1.2 The values stated in either SI units or inch-pound units are to be regarded separately as standard. Within the text the inch-pound units are shown in brackets. The values stated in each system are not exact equivalents; therefore, each system must be used independently of the other. Combining values from the two systems may result in nonconformance with the standard.

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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