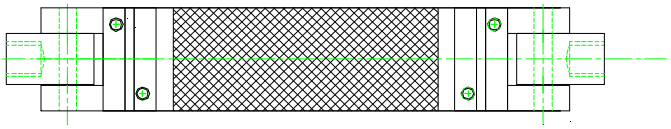
MTT

MODEL NO. ASTM.C0273.10

ASTM, FLATWISE, SHEAR, TENSILE, ADHESIVE

FLATWISE PLANE SHEAR FIXTURE (SS) WITH THREE SETS OF BONDING PLATES (AL) (TENSILE 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 and locking nuts
	Capacity	20,000 lbs (88.9 kN)
	Weight	32 lbs approximately
	Dimensions	Assembled 3” x 2.75” x 18.5”
	Bonding	Supplied with 3 sets of aluminum bonding plates
	Standard	Manufactured in accordance with ASTM C273 and C394

Model No. ASTM.C0273.10 - Sandwich Flatwise Plane Shear Fixture (Tensile Mode)
For specimen configurations up to 10" long, 3" wide and 3/4" thick. The three sets of loading plates are constructed from aluminum with a protective black anodized finish and one machined bonding surface. Supplied with 1”-14 threaded studs and locking nuts. Temperature range -120 to 250°F (-85 to 122°C). Fixture is constructed from stainless steel and in accordance with ASTM C273 and C394.

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ACCESSORIES

Model No. ACC.C0273.1001 - Set of (2) aluminum bonding plates 9” long by 3” wide
Model No. ACC.C0273.1002 - Set of (2) Additional high strength steel bonding plates 9” by 3” wide
Model No. ACC.C0273.1003 - Set of (2) Additional stainless steel bonding plates 9” long by 3” wide
Model No. ACC.C0273.1004 - Set of (2) Customer specified material
Model No. ACC.C0273.1005 - Optional dial indicator displacement gage

SPARE PARTS

Please 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.