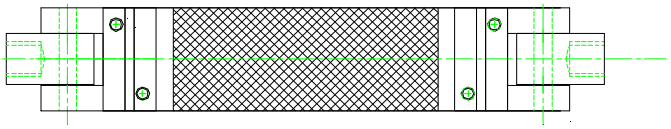
MTT

MODEL NO. ASTM.C0394.10

ASTM, EDGEWISE, TENSION, TENSILE, SHEAR,

FLATWISE PLANE SHEAR FATIGUE 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.C0394.10 - Sandwich Flatwise Plane Shear Fatigue Fixture (Tensile Mode)
For Specimen configurations up to 9" long, 3" wide and 3/4" thick. Fixture is constructed from stainless steel. The three sets of bonding plates are constructed from aluminum with a protective black anodized coating with one machined bonding surface. Supplied with 1” -14 threaded studs and locking nuts. Fixture is constructed in accordance with ASTM C273 and C394.

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ACCESSORIES

Model No. ACC.C0394.1001 - Set of (2) aluminum bonding plates 9” long by 3” wide
Model No. ACC.C0394.1004 - Set of (2) Customer specified material
Model No. ACC.C0394.1005 - Optional dial indicator displacement gage

SPARE PARTS

Please contact us for spare or replacement parts

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

SCOPE: http://www.astm.org/Standards/C394.htm
ASTM C394/C394M-13
Standard Test Method for Shear Fatigue of Sandwich Core Materials
1.1 This test method determines the effect of repeated shear forces on core material used in sandwich panels. 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 This test method is limited to test specimens subjected to constant amplitude uniaxial loading, where the machine is controlled so that the test specimen is subjected to repetitive constant amplitude force (stress) cycles. Either shear stress or applied force may be used as a constant amplitude fatigue variable.
1.3 The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in non-conformance with the standard. Within the text, the inch-pound units are shown in brackets.
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.