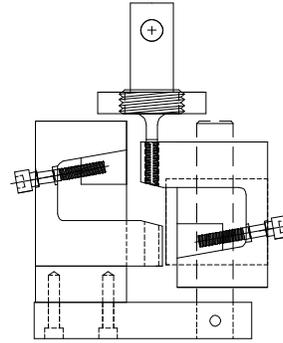
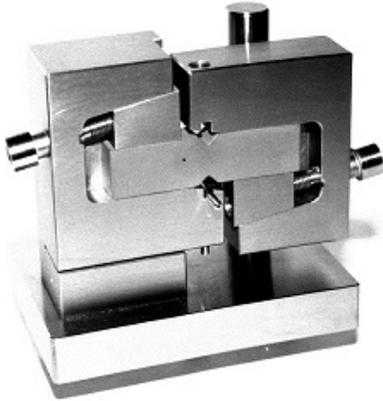


V-NOTCHED BEAM (IOSIPESCU SHEAR) FIXTURE - ADJUSTABLE WEDGES STYLE (CS)



Specimen:	Width	0.75"
	Thickness	Up to 0.5"
	Length	3.0"
	Notch	90 degree with 0.05" radius minimum
Fixture:	Construction	High strength steel with protective black oxide finish
	Temperature	-120 to 250°F (-85 to 122°C)
	Mounting	Top: 1/2" -20 threaded stud
		Bottom: platen
	Capacity	10,000 lbs (44 kN)
	Weight	15 lbs approximately
	Dimensions	Assembled - 5.8" x 3.5" x 5"
Standard	Manufactured in accordance with ASTM C1292	

Model No. ASTM.C1292.21 - V-Notched Beam (Iosipescu Shear) Test Fixture with adjustable wedge type grips. Fixture includes wedge grip inserts for 0.75" thick Iosipescu shear specimens. Constructed from low carbon steel with a protective black oxide finish in accordance with ASTM C1292.

Capacity: 10,000 lbs
Wedge specimen width: 19mm (0.75")
Specimen Thickness: from 0.75mm to 12.7mm (0.03" to 0.50")
Upper Adapter: 1/2" -20 Threaded Stud
Weight: approximately 15 lbs

MODEL NO. ASTM.C1292.21

ASTM, IOSIPESCU, SHEAR, V-NOTCHED,

ACCESSORIES

ACC.C1292.2101 - Extra Set of (2) Jaws for 1/2" Specimen
ACC.C1292.2102 - Extra Set of (2) Jaws for 5/8" Specimen
ACC.C1292.2103 - Extra Set of (2) Jaws for 7/8" Specimen
ACC.C1292.2104 - Extra Set of (2) Jaws for 1" Specimen
ACC.C1292.2105 - Extra Set of (2) Jaws for 1.125" Specimen
ACC.C1292.2106 - Extra Set of (2) Jaws for 1.25" Specimen

Upper fixture attachment is supplied with 1/2" -20 male studs (Common adapter sizes include:)

Model No. M01C21 - 1/2" Male Clevis (Type B) to 1/2" -20 Threaded Coupling
Model No. M02C21 - 5/8" Male Clevis (Type C) to 1/2" -20 Threaded Coupling
Model No. M03C21 - 1.25" Male Clevis (Type D) to 1/2" -20 Threaded Coupling
Model No. M12C21 - 12mm Male Clevis (Type O) to 1/2" -20 Threaded Coupling
Model No. C36C21 - 1" -14 to 1/2" -20 Threaded Coupling
Model No. LN21 - 1/2" -20 Threaded Locking Nut with Knurled OD

SPARE PARTS

SPA.C1292.2101 - Extra 5/16" -24 to 1/2" -20 Threaded Step Stud Adapter
SPA.C1292.2102 - Extra Set of (2) Jaws for 3/4" Specimen
SPA.C1292.2103 - Extra Set of (2) Screws with Retaining Rings
SPA.C1292.2104 - Extra Bearing

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

<http://www.astm.org/Standards/C1292.htm>

ASTM C1292-10

Standard Test Method for Shear Strength of Continuous Fiber-Reinforced Advanced Ceramics at Ambient Temperatures

- 1.1 This test method covers the determination of shear strength of continuous fiber-reinforced ceramic composites (CFCCs) at ambient temperature. The test methods addressed are (1) the compression of a double-notched test specimen to determine interlaminar shear strength and (2) the Iosipescu test method to determine the shear strength in any one of the material planes of laminated composites. Test specimen fabrication methods, testing modes (load or displacement control), testing rates (load rate or displacement rate), data collection, and reporting procedures are addressed.
- 1.2 This test method is used for testing advanced ceramic or glass matrix composites with continuous fiber reinforcement having uni-directional (1-D) or bi-directional (2-D) fiber architecture. This test method does not address composites with (3-D) fiber architecture or discontinuous fiber-reinforced, whisker-reinforced, or particulate-reinforced ceramics.
- 1.3 The values stated in SI units are to be regarded as the standard and are in accordance with .
- 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. Specific hazard statements are given in 8.1 and 8.2.

Extracted, with permission, from ASTM C1292 Standard Test Methods for Small Clear Specimens of Timber, copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428. A copy of the complete standard may be purchased from ASTM International, www.astm.org