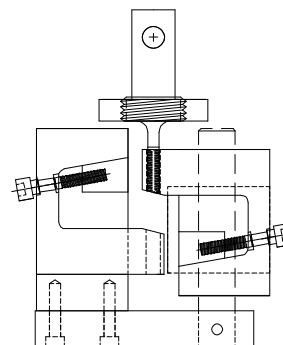
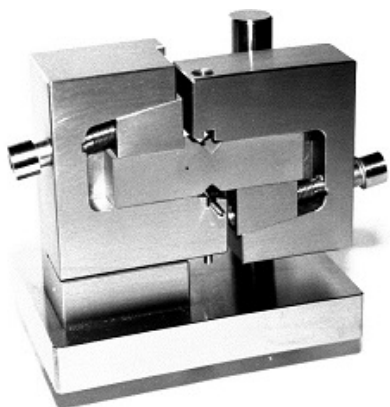


V-NOTCHED BEAM (IOSIPESCU SHEAR) FIXTURE - ADJUSTABLE WEDGES STYLE (SS)



Specimen:	Width	0.75" ± 0.03"
	Thickness	0.03" to 0.5"
	Length	3.0" ± 0.125"
	Notch	90 degree with 0.05" radius minimum
Fixture:	Construction	Stainless steel
	Temperature	-240 to 600°F (-152 to 318°C)
	Mounting	Top: 1/2" -20 stud
		Bottom: platen (not included)
	Capacity	10,000 lbs (44 kN)
	Weight	15 lbs approximately
	Dimensions	Assembled - 3.5" x 5" x 5.8"
	Standard	Manufactured in accordance with ASTM C1292 and D5379

Model No. ASTM.D5379.13 - V-Notched Beam (Iosipescu Shear) Test Fixture with adjustable wedge type grips. Fixture includes adjustable wedge type grip and inserts for 0.75" thick Iosipescu shear specimens. Fixture is mounted with a 1/2-20 stud and platen (platen not included). The fixture has a 10,000 lbs (44 KN) capacity and a temperature range of -240 to 600°F (-152 to 318°C). Constructed from stainless steel in accordance with ASTM D5379.

MODEL NO. ASTM.D5379.13

ASTM, IOSIPESCU, SHEAR, V-NOTCHED,

ACCESSORIES

Model No. ACC.D5379.1301 - Extra Set of (2) Jaws for 1/2" Specimen
Model No. ACC.D5379.1302 - Extra Set of (2) Jaws for 5/8" Specimen
Model No. ACC.D5379.1303 - Extra Set of (2) Jaws for 7/8" Specimen
Model No. ACC.D5379.1304 - Extra Set of (2) Jaws for 1" Specimen
Model No. ACC.D5379.1305 - Extra Set of (2) Jaws for 1.125" Specimen
Model No. ACC.D5379.1306 - Extra Set of (2) Jaws for 1.25" Specimen

SPARE PARTS

Model No. SPA.D5379.1301 - Extra 5/16" -24 to 1/2" -20 Threaded Step Stud Adapter
Model No. SPA.D5379.1302 - Extra Set of (2) Jaws for 3/4" Specimen
Model No. SPA.D5379.1303 - Extra Set of (2) Screws with Retaining Rings
Model No. SPA.D5379.1304 - Extra Bearing

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

<http://www.astm.org/Standards/D5379.htm>

ASTM D5379/D5379M-12

Standard Test Method for Shear Properties of Composite Materials by the V-Notched Beam Method

1.1 This test method covers the shear properties of composite materials reinforced by high-modulus fibers. The composite materials are limited to continuous-fiber or discontinuous-fiber-reinforced composites in the following material forms: 1.1.1 Laminates composed only of unidirectional fibrous laminae, with the fiber direction oriented either parallel or perpendicular to the loading axis. 1.1.2 Laminates composed only of woven fabric filamentary laminae with the warp direction oriented either parallel or perpendicular to the loading axis. 1.1.3 Laminates composed only of unidirectional fibrous laminae, containing equal numbers of plies oriented at 0 and 90° in a balanced and symmetric stacking sequence, with the 0° direction oriented either parallel or perpendicular to the loading axis. 1.1.4 Short-fiber-reinforced composites with a majority of the fibers being randomly distributed. Note 1—This shear test concept was originally developed without reference to fiber direction for use on isotropic materials such as metals or ceramics. 1.2 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. 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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