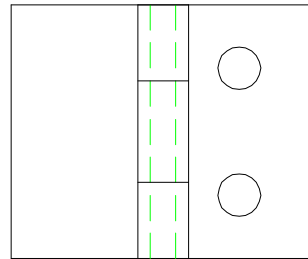


PIANO HINGED BONDED LOADING TAB SET (SS)



Specimen:	Width	Up to 1" (25.4mm)
	Thickness	0.118" to 0.197 (3 to 5mm)
	Length	5" (127mm)
Fixture:	Construction	Stainless steel
	Temperature	-240 to 600°F (-152 to 318°C)
	Mounting	Bonds to specimen -use grip to pull(grips not included)
	Capacity	50 lbs (220 N)
	Weight	1 lb approximately
	Dimensions	1.5" x 1.25" x 1.5" when bonded to specimen
	Standard	Manufactured in accordance with ASTM D5528, D6115 and D6671

Model No. ASTM.D6115.10 - 5 Sets of (2) Hinges for Mode I Fatigue Delamination Test
Stainless steel hinges constructed in accordance with ASTM D5528 & D6115.

MODEL NO. ASTM.D6115.10 **ASTM, MODE I, FATIGUE, DELAMINATION,**

ACCESSORIES

ACC.D6115.1001 - 200 Pound Screw Action Grips

SPARE PARTS

Contact us for spare or replacement parts

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

<http://www.astm.org/Standards/D6115.htm>

ASTM D6115 - 97(2011)

Standard Test Method for Mode I Fatigue Delamination Growth Onset of Unidirectional Fiber-Reinforced Polymer Matrix Composites

1.1 This test method determines the number of cycles (N) for the onset of delamination growth based on the opening mode I cyclic strain energy release rate (G), using the Double Cantilever Beam (DCB) specimen shown in . This test method applies to constant amplitude, tension-tension fatigue loading of continuous fiber-reinforced composite materials. When this test method is applied to multiple specimens at various G-levels, the results may be shown as a G-N curve, as illustrated in Fig 2.

1.2 This test method is limited to use with composites consisting of unidirectional carbon fiber tape laminates with single-phase polymer matrices. This limited scope reflects the experience gained in round robin testing. This test method may prove useful for other types and classes of composite materials, however, certain interferences have been noted (see Section 6.5 of Test Method D 5528).

1.3 The values stated in SI units are to be regarded as standard. The values provided in parentheses are for information only.

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.

Extracted, with permission, from ASTM D6115 Standard Test Method for Mode I Fatigue Delamination Growth Onset of Unidirectional Fiber-Reinforced Polymer Matrix Composites, 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.

Material Testing Technology

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