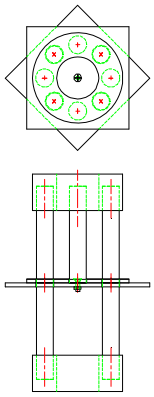
MODEL NO. ASTM.D7332.10
ASTM, FASTENER, PULL THROUGH,

FASTENER PULL-THROUGH TEST FIXTURE - PROCEDURE A



Specimen:	Width	4.25”
	Thickness	055-.230”
	Length	4.25”
	Fasteners	Up to 1/2”
Fixture:	Construction	Stainless steel
	Temperature	-240 to 600°F (-152 to 318°C)
	Mounting	1”-14 couplings
	Capacity	20,000 lbs (88.9 kN)
	Weight	12 lbs approximately
	Dimensions	6” x 6” x 9” approximately
	Standard	Manufactured in accordance with ASTM D7332

Model No. ASTM.D7332.10 - Fastener Pull Through Test Fixture (Compression Mode)
This test fixture for procedure A uses compression to put a tensile load on the fastener through the square plates. Fixture includes a base with 4 cylindrical supports, a top plate with 4 cylindrical supports and all hardware necessary. Temperature Range: -240 to 600°F (-152 to 318°C). Constructed of stainless steel in accordance with ASTM D7332.

Material Testing Technology

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ACCESSORIES

Upper and lower fixture attachment is supported on a platen or flat surface of the test machine. (Common adapter sizes include:)

Model No. PLAT.RF061.10 - 6” Diameter Round Fixed Compression Platen
Model No. PLAT.RA061.10 - 6” Diameter Round Articulating Compression Platen
Model No. PLAT.SF061.10 - 6” Square Fixed Compression Platen
Model No. PLAT.SA061.10 - 6” Square Articulating Compression Platen
Model No. M03S36 - 1.25” Male Clevis (Tyep D) to 1” -14 Threaded Stud

SPARE PARTS

Contact us for spare or replacement parts

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

http://www.astm.org/Standards/D7332.htm
ASTM D7332 / D7332M - 15a
Standard Test Method for Measuring the Fastener Pull-Through Resistance of a Fiber-Reinforced Polymer Matrix Composite
1.1 This test method determines the fastener pull-through resistance of multidirectional polymer matrix composites reinforced by high-modulus fibers. Fastener pull-through resistance is characterized by the force-versus-displacement response exhibited when a mechanical fastener is pulled through a composite plate, with the force applied perpendicular to the plane of the plate. The composite material forms are limited to continuous-fiber or discontinuous-fiber (tape or fabric, or both) reinforced composites for which the laminate is symmetric and balanced with respect to the test direction. The range of acceptable test laminates and thicknesses is defined in 8.2.
1.2 Two test procedures and configurations are provided. The first, Procedure A, is suitable for screening and fastener development purposes. The second, Procedure B, is configuration-dependent and is suitable for establishing design values. Both procedures can be used to perform comparative evaluations of candidate fasteners/fastener system designs.
1.3 The specimens described herein may not be representative of actual joints which may contain one or more free edges adjacent to the fastener, or may contain multiple fasteners that can change the actual boundary conditions.
1.4 This test method is consistent with the recommendations of CMH-17, which describes the desirable attributes of a fastener pull-through test method.
1.5 The values stated in either SI units or inch-pound units are to be regarded separately as standard. 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.
1.5.1 Within the text the inch-pound units are shown in brackets.
1.6 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.