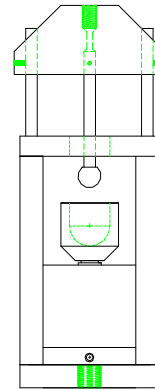


BURST STRENGTH FIXTURE FOR KNITTED GOODS WITH A PNEUMATIC CYLINDER AND VALVE



Specimen:	Width:	4" X 4" square (2" diameter clamp)
	Thickness:	Up to 0.15"
Fixture:	Probe	1.0" diameter stainless steel ball
	Clamping	1,000 lbf pneumatic loading piston
	Construction	Aluminum with protective finish and stainless steel
	Temperature	-20 to 120°F (-29 to 49°C)
	Mounting	Top: 5/8"-18 stud
		Bottom: 1"-14 coupling
	Capacity	500 lbs
	Weight	20 lbs approximately
	Dimensions	Assembled - 6" x 6" x 20"
	Standard	Manufactured in accordance with ASTM D3787

Model No. ASTM.D3787.11 - Burst Strength Fixture for Knitted Goods - The fixture consists of: 1.000" diameter polished ball supported on a 6" long loading rod which is attached to the upper platen of the upper portion of the fixture. The upper adapter is a 5/8" -18 threaded coupling. The lower portion of the fixture has a 1.750" internal diameter specimen clamping support and ring. The loading ring is pressed against the knitted goods with a pneumatic cylinder. The lower adapter is a 1" -14 threaded coupling. Fixture capacity 500 pounds. Constructed of aluminum in accordance with ASTM D3787.

MODEL NO. ASTM.D3787.11

ASTM, BURST, KNITTED, GOODS, CONSTANT,

ACCESSORIES

Upper fixture attachment is supplied with 5/8"-18 female coupling (Common adapter sizes include:

Model No. M01S27 - 1/2" Male Clevis (Type B) to 5/8" -18 Threaded Stud
Model No. M02S27 - 5/8" Male Clevis (Type C) to 5/8" -18 Threaded Stud
Model No. M03S27 - 1.25" Male Clevis (Type D) to 5/8" -18 Threaded Stud
Model No. M12S27 - 12mm Male Clevis to 5/8" -18 Threaded Stud Adapter
Model No. S36S27 - 1" -14 to 5/8" -18 Threaded Step Stud
Model No. LN27 - 5/8" -18 Threaded Locking Nut with Knurled OD

Lower fixture attachment is supplied with 1" -14 female coupling. (Common adapter sizes include:)

Model No. M03S36 - 1.25" Male Clevis (Type D) to 1" -14 Threaded Stud
Model No. S42S36 - 1.25" -12 to 1" -14 Threaded Step Stud
Model No. S48S36 - 1.5" -12 to 1" -14 Threaded Step Stud
Model No. S60S36 - 2" -12 to 1" -14 Threaded Step Stud
Model No. LN36 - 1" -14 Threaded Locking Nut with Knurled OD

SPARE PARTS

SPA.D3787.1101 - Extra 1" Diameter Ball

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

<http://www.astm.org/Standards/D3762.htm>

ASTM D3762 - 03(2010)

Standard Test Method for Bursting Strength of Textiles—Constant-Rate-of-Traversal (CRT) Ball Burst Test

1.1 This test method, simulates in a qualitative manner the forces and effects on an adhesive bond joint at metal-adhesive/primer interface. It has proven to be highly reliable in determining and predicting the environmental durability of adherend surface preparations. The method has proven to be correlatable with service performance in a manner that is much more reliable than conventional lap shear or peel tests (Note 2).

Note 1—While this test method is intended for use in aluminum-to-aluminum applications it may be used for determining surface durability of other metals and plastics provided consideration is given to thickness and rigidity of the adherends.

Note 2—This test method is not a quantitative fracture strength test method. To measure fracture strength see Test Method D3433.

1.2 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.

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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