

**Standards:**

ASTM D751 - 11  
 ASTM D3787 - 01  
 ASTM D3786 - 01  
 ASTM D5378- 00  
 ASTM D6797 - 02  
 ASTM D7192 - 20  
 ASTM F1306 - 08

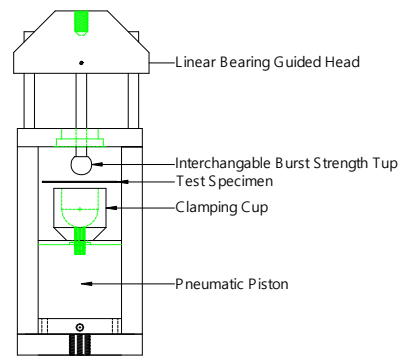
**Material Type:**

FABRIC, PLASTIC, FILM, LAMINATES

**Type of Testing:**

BURST, PNEUMATIC, PUNCTURE

## BURST STRENGTH FIXTURE WITH A PNEUMATIC CYLINDER AND VALVE

**Model No.**

ASTM.D0751.30

**Specimen Size or Difference Between Fixtures**

Flat tip screwdriver and 1.75" ID clamp

**Construction**

Stainless steel and aluminum

**Temperature**

-20 to 120°F (-29 to 49°C)

ASTM.D3787.11  
 ASTM.D5378.30  
 ASTM.D6797.10

1" diameter ball and 1.75" ID clamp  
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Stainless steel and aluminum  
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 Stainless steel and aluminum

-20 to 120°F (-29 to 49°C)  
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ASTM.F1306.10

0.06" radius tip and 1.375" ID clamp

Stainless steel and aluminum

-20 to 120°F (-29 to 49°C)

ASTM.D7192.10

1/2" diameter ball and 3" ID clamp

Stainless steel and aluminum

-20 to 120°F (-29 to 49°C)

Specimen:	Dimensions	4" wide, 4" long and 0.15" thick
Fixture:	Clamping Mounting	1,000 lbf pneumatic loading piston Top: 5/8"-18 threaded coupling Bottom: 1"-14 threaded coupling
	Capacity	500 lbs
	Weight	25 lbs approximately
	Dimensions	7" x 7" x 14" approximately
	Standard	Manufactured in compliance with ASTM D751, D3787, D5378, D6797 D7192 and F1306

## **QUOTE**

Model No. ASTM.D3787.11 - Burst Strength Fixture for Fabrics with 1" Diameter Ball

The fixture consists of a removable 1" diameter polished ball supported on a 4" long loading rod which is attached to the upper platen portion of the fixture. The lower portion of the fixture has a 1.75" internal diameter specimen clamping support and ring. The loading ring is pressed against the specimen with a pneumatic cylinder. The upper adapter is a 5/8"-18 threaded coupling and the lower adapter is a 1"-14 threaded coupling for mounting to your testing frame. The fixture can handle a 500 lbs capacity and a temperature range of -20 to 120°F (-29 to 49°C). The fixture is constructed of stainless steel and aluminum and manufactured in compliance with ASTM D3787, D5378 and D6797.

Model No. ASTM.D0751.30 - Burst Strength Fixture for Fabrics with Screwdriver Tip

The fixture consists of a removable flat-end screwdriver tip supported on a 4" long loading rod which is attached to the upper platen portion of the fixture. The lower portion of the fixture has a 1.75" internal diameter specimen clamping support and ring. The loading ring is pressed against the specimen with a pneumatic cylinder. The upper adapter is a 5/8"-18 threaded coupling and the lower adapter is a 1"-14 threaded coupling for mounting to your testing frame. The fixture can handle a 500 lbs capacity and a temperature range of -20 to 120°F (-29 to 49°C). The fixture is constructed of stainless steel and aluminum and manufactured in compliance with ASTM D751.

Model No. ASTM.F1306.10 - Slow Rate Penetration Resistance of Films and Laminates

The fixture consists of a penetration probe that is 2.5" long with a radius of 0.06" tip. A 4" long loading rod which is attached to the upper platen of the upper portion of the fixture. The lower portion of the fixture has a 1.375" internal diameter specimen clamping support and ring. The loading ring is pressed against the film with a pneumatic cylinder. The fixture can handle a capacity of 500 lbs and has a temperature range of -20 to 120°F (-29 to 49°C). The upper mounting adapter is 5/8"-18 coupling and the lower adapter is a 1"-14 threaded coupling. Constructed of aluminum and manufactured in compliance with ASTM F1306.

Model No. ASTM.D7192.10 - Custom Fast Rate Penetration Resistance Films with 1/2" Diameter Ball

The fixture consists of a removable 1" diameter polished ball supported on a 4" long loading rod which is attached to the upper platen portion of the fixture. The lower portion of the fixture has a radiused 3" internal diameter specimen clamping support and ring. The loading ring is pressed against the specimen with a pneumatic cylinder. The upper adapter is a 5/8"-18 threaded coupling and the lower adapter is a 1"-14 threaded coupling for mounting to your testing frame. The fixture can handle a 500 lbs capacity and a temperature range of -20 to 120°F (-29 to 49°C). The fixture is constructed of stainless steel and aluminum and manufactured in compliance with ASTM D7192.

## **ACCESSORIES**

No accessories available at this time

## **SPARE PARTS**

Model No. SPA.D3787.1101 - Replacement 1" Diameter Polish Ball

Model No. SPA.D3787.1102 - Replacement 6" Long Loading Rod

Model No. SPA.D3787.1103 - Replacement Bearings

Model No. SPA.D3787.1104 - Replacement Air Cylinder

Model No. SPA.D3787.1105 - Replacement Air Tubing

Model No. SPA.D0751.3001 - Flat-End Screwdriver Changable Tip

The changable tip measures 0.312" wide and 0.031" thick at the extreme tip with a 0.01" radius edges.

Model No. SPA.F1306.1004 - Replacement Probe with 0.06" Radiused Tip

Tip is hardened to 50-56Rc and a 10-24 stud

## **COMMON SIZE ADAPTERS**

### **Upper Mounting: 5/8"-18 Threaded Coupling**

Model No. M01S27 - 1/2" Male Clevis to 5/8"-18 Threaded Stud

Model No. M02S27 - 5/8" Male Clevis to 5/8"-18 Threaded Stud

Model No. M03S27 - 1.25" Male Clevis to 5/8"-18 Threaded Stud

Model No. M12S27 - 12mm Male Clevis to 5/8"-18 Threaded Stud

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 Mounting: 1"-14 Female Coupling**

Model No. M03S36 - 1.25" Male Clevis 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

**EXTRA PHOTOS:**

