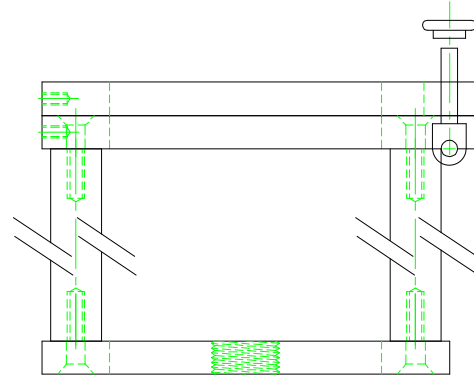


## PROTRUSION PUNCTURE FIXTURE WITH TEFLON COATED PROBE (AL)



Specimen:	Width	6"
	Thickness	Up to 1/8"
	Length	6"
Fixture:	Construction	Aluminum with a protective anodized finish
	Temperature	-20 to 120°F (-29 to 49°C)
	Mounting	1/2" -20 coupling top, 1" -14 coupling Bottom
	Capacity	1,000 lbs (4.4 kN)
	Weight	12 lbs approximately
	Dimensions	6.5" x 6.0" x 10" approximately
	Standard	Manufactured in accordance with ASTM D4649 and D5748.

### Model No. ASTM.D5748.10 - Protrusion Puncture Fixture (compression mode)

The fixture clamps the 6" square stretch wrap film specimen between two clamping plates. The clamping plates are hinged and held together with a toggle clamp. The clamping plates are supported 8" above the base plate which has 1" -14 threaded loading coupling. The probe assembly includes a 3/4" diameter pear shaped Teflon probe, an 11" probe shaft, and 1/2" -20 threaded loading coupling. The fixture is also supplied with a 6" square specimen cutting template. Constructed of aluminum with a protective blue anodized coating in accordance with ASTM.D5748.

# **MODEL NO. ASTM.D5748.10**

## **ASTM, PROTRUSION, PUNCTURE, STRETCH,**

### **ACCESSORIES**

ACC.D5748.1001 - 1" Diameter Stainless Steel Ball Shaped Probe  
ACC.D5748.1002 - 1" Diameter Teflon Covered Pear Shaped Probe  
ACC.D5748.1003 - 1" Diameter Teflon Pear Shaped Probe

### **Upper fixture attachment is supplied with 1/2" -20 female coupling (Common adapter sizes include:)**

Model No. M01S21 - 1/2" Male Clevis (Type B) to 1/2" -20 Threaded Stud  
Model No. M02S21 - 5/8" Male Clevis (Type C) to 1/2" -20 Threaded Stud  
Model No. M03S21 - 1.25" Male Clevis (Type D) to 1/2" -20 Threaded Stud  
Model No. M12S21 - 12mm Male Clevis (Type O) to 1/2" -20 Threaded Stud  
Model No. S36S21 - 1" -14 to 1/2" -20 Threaded Step Stud  
Model No. LN21 - 1/2" -20 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

### **SPARE PARTS**

SPA.D5748.1001 - Extra Specimen Template  
SPA.D5748.1002 - Extra Rubber Gasket  
SPA.D5748.1003 - Extra 3/4" Diameter Teflon Covered Pear Shaped Probe

### **REFERENCE DOCUMENT AND TEST METHOD SCOPE:**

<http://www.astm.org/Standards/D5748.htm>

ASTM D5748-95(2012)

Standard Test Method for Protrusion Puncture Resistance of Stretch Wrap Film

1.1 This test method determines the resistance of a stretch wrap film to the penetration of a probe at a standard low rate, a single test velocity. Performed at standard conditions, the test method imparts a biaxial stress that is representative of the type of stress encountered in many product end-use applications. The maximum force, force at break, penetration distance, and energy to break are determined.

1.2 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 D5748 Standard Test Method for Protrusion Puncture Resistance of Stretch Wrap Film, 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](http://www.astm.org).