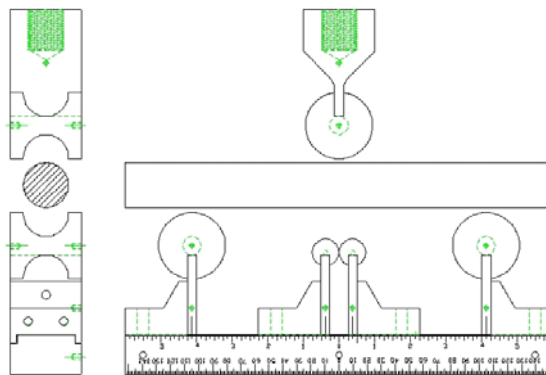


## SHORT BEAM FLEXURE FIXTURE FOR PULTRUDED REINFORCED PLASTIC



Specimen:	Diameter	Up to 1/2"
	Length	Any length
Fixture:	Support Spans	Spans in 1/2" increments up to 12"
	Loading Nose	Spools for specimen diameters of 7/8" & 1"
	Supports	Spools for specimen diameters of 7/8" & 1"
	Construction	High strength steel with protective finish
	Temperature	-120 to 250 °F (-85 to 122°C)
	Mounting	Top: 1"-14 coupling Bottom: 1/2"-20 coupling
	Capacity	10,000 lbs (8.8kN)
	Weight	18 lbs approximately
	Dimensions	Assembled - 3" x 12" x 12"
	Standard	Manufactured in accordance with D4475

### Model No. ASTM.D4475.10 - Short Beam Shear Test Fixture for Plastic Rods

The fixture includes upper loading rod with 1"-14 threaded coupling, 12" base plate with 1/2" -20 threaded mounting coupling, adjustable supports, and (2) sets of (3) replaceable anvils for specimen diameters of 7/8", 1". The fixture is constructed of high strength steel with a protective black oxide finish in accordance with ASTM D4475. Capacity 10,000 lbs with a temperature range of -120 to 250 °F (-85 to 122°C).

# **MODEL NO. ASTM.D4475.10**

## **ASTM, HORIZONTAL, SHEAR PULTRUDED,**

### **ACCESSORIES**

ACC.D4475.1001 - Set of (3) Spools for Specimin diameters of 3/8"  
ACC.D4475.1002 - Set of (3) Spools for Specimin diameters of 1/2"  
ACC.D4475.1003 - Set of (3) Spools for Specimin diameters of 3/4"  
ACC.D4475.1004 - Set of (3) Spools for Specimin diameters of 1.125"  
ACC.D4475.1005 - Set of (3) Spools for Specimin diameters of 1.25"

#### **Upper 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

#### **Lower 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

### **SPARE PARTS**

SPA.D4475.1001 - Set of (3) Spools for Specimen diameters of 7/8"  
SPA.D4475.1002 - Set of (3) Spools for Specimen diameters of 1"

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

<http://www.astm.org/Standards/D4475.htm>

ASTM D4475 - 02(2016)

Standard Test Method for Apparent Horizontal Shear Strength of Pultruded Reinforced Plastic Rods By the Short-Beam Method

1.1 This test method covers the determination of the apparent horizontal shear strength of fiber reinforced plastic rods. The specimen is a short beam in the form of lengths of pultruded rods. This test method is applicable to all types of parallel-fiber-reinforced plastic rod samples.

1.2 This test method is primarily used for quality control and specification purposes (see 4.1).

1.3 The values stated in SI units are to be regarded as standard.

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.

Note 1: There is no known ISO equivalent to this standard.

Extracted, with permission, from ASTM D4475 Standard Test Method for Apparent Horizontal Shear Strength of Pultruded Reinforced Plastic Rods By the Short-Beam Method, copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19482. A copy of the complete standard may be purchased from ASTM International, [www.astm.org](http://www.astm.org).