

**Standards:**  
ASTM D4475 - 16  
ASTM D4476 - 09

**Material Type:**  
PLASTIC

**Type of Testing:**  
FLEXURE, COMPRESSION

## SHORT BEAM SHEAR TEST FIXTURE FOR SMALL SIZE PLASTIC RODS



**Model No.**

ASTM.D4475.20  
ASTM.D4476.20

**Specimen Size or Difference Between Fixtures**

Up to 0.25" diameter, Any length  
Up to 0.25" diameter, Any length

**Construction**

Stainless steel  
Stainless steel

**Temperature**

-425 to 600°F (-254 to 318°C)  
-425 to 600°F (-254 to 318°C)

|          |            |   |
|----------|------------|---|
| Fixture: | Mounting   | Top: 12mm male clevis<br>Bottom: 1/2"-20 coupling         |
|          | Capacity   |   |
|          | Weight     |   |
|          | Dimensions | Assembled - 1.25" x 6" x 4"                               |
|          | Standard   | Manufactured in compliance with ASTM D4475 and ASTM D4476 |

## **QUOTE**

Model No. ASTM.D4475.20 - Short Beam Shear Test Fixture for Small Size Plastic Rods

The fixture is supplied with (3) anvils for specimen diameters of 1/16", 1/8", 3/16 and 1/4". The anvils are held in place with alignment grooves and O-rings. The center positions of the loading pins are scribed in the pin support which runs along a center finding scale on the loading rails.

Specimen Supports - Specimen support spans continuously adjustable from 1/2" (12.7mm) up to 6" (304.8mm). 1" wide with alignment rails which fit in the T-slotted support base. The center position of the loading pin is indicated by a scribe line which runs down the side of the support to the center finding scale. The supports are free to slide anywhere along the support base and may be reversed for short and long spans.

The fixture comes with a 12mm male clevis for upper mounting and a 1/2"-20 threaded coupling for lower mounting to your testing machine. The fixture is assembled 1.25" x 6" x 4" and is constructed from stainless steel.

## **ACCESSORIES**

## **SPARE PARTS**

### **COMMON SIZE ADAPTERS**

#### **Upper Mounting: 12mm Male Clevis**

Model No. M12M01 - 12mm Male Clevis to 1/2" Male Clevis

Model No. M12M02 - 12mm Male Clevis to 5/8" Male Clevis

Model No. M12M03 - 12mm Male Clevis to 1.25" Male Clevis

Model No. M12S48 - 12mm Male Clevis to 1.5"-12 Threaded Stud

Model No. M12S42 - 12mm Male Clevis to 1.25"-12 Threaded Stud

Model No. M12S36 - 12mm Male Clevis to 1"-14 Threaded Stud

#### **Lower Mounting: 1/2"-20 Female Coupling**

Model No. M03S21 - 1.25" Male Clevis to 1/2"-20 Threaded Stud

Model No. S42S21 - 1.25"-12 to 1/2"-20 Threaded Step Stud

Model No. S48S21 - 1.5"-12 to 1/2"-20 Threaded Step Stud

Model No. S60S21 - 2"-12 to 1/2"-20 Threaded Step Stud

Model No. LN21 - 1/2"-20 Threaded Locking Nut with Knurled OD

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