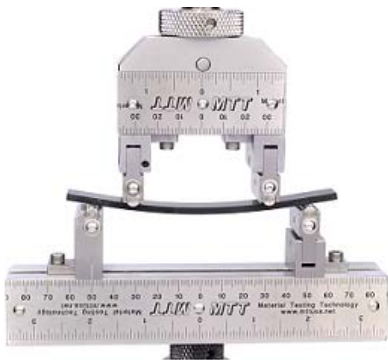


**Standards:**  
 ASTM C1161 - 02  
 ASTM C1674 - 08  
 ASTM D7905 - 19

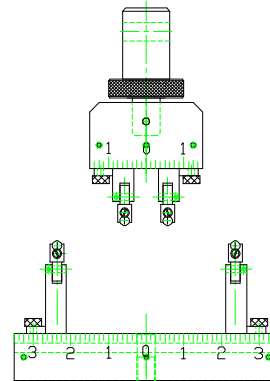
**Material Type:**  
 CERAMIC, COMPOSITE

**Type of Testing:**  
 COMPRESSION, FLEX

## 1" WIDE, 6" SPAN, FULLY ARTICULATING THREE and FOUR POINT FLEXURE FIXTURE



**ASTM.C1161.10**



<b>Model No.</b>	<b>Specimen Size or Difference Between Fixtures</b>	<b>Construction</b>	<b>Temperature</b>
ASTM.C1161.10	Up to 1" wide and 1/2" thick	Stainless steel	-240 to 600°F (-152 to 318°C)
ASTM.C1161.11	Up to 1" wide and 1/2" thick	Aluminum with finish	Ambient temperature
ASTM.C1161.12	Up to 1" wide and 1/2" thick	High strength steel with finish	-120 to 250°F (85 to 122°C)
ASTM.C1674.10	Up to 1" wide and 1/2" thick	Stainless steel	-240 to 600°F (-152 to 318°C)
ASTM.C1674.11	Up to 1" wide and 1/2" thick	Aluminum with finish	Ambient temperature
ASTM.C1674.12	Up to 1" wide and 1/2" thick	High strength steel with finish	-120 to 250°F (85 to 122°C)
ASTM.D7905.20	Up to 1" wide and 1/2" thick	Stainless steel	-240 to 600°F (-152 to 318°C)

Specimen:	Length	Any length
Fixture:	Support Spans	Any span from 1/2" to 6"
	Supports	Articulating with 4.5mm cylindrical supports
	Mounting	Top: 12mm male clevis
		Bottom: 1/2"-20 threaded coupling
	Capacity	SS CS 2,000 lbs (8.8 kN) - AL 1,000 lbs (4.4kN)
Weight	10 lbs approximately	
Dimensions	Assembled - 8" x 2" x 8"	
Standard	Manufactured in compliance with ASTM C1161 and C1674	

## **QUOTE**

### **Model No. ASTM.C1161.1X - Fully Articulating Three and Four Point Flexure Fixture (material)**

Specimen support spans adjustable to 6" and four point loading span adjustable to 3". The rolling and pivoting specimen loading pins are 4.5mm in diameter and accommodate specimens up to 1" wide. Capacity: **lbs (kN)**. Manufactured from **(material)** in compliance with ASTM C1161 and C1674.

**Specimen Supports:** Incorporate free rolling loading pins of 4.5mm diameter. The 1.5" tall supports are free to pivot as much as 7 degrees in either direction to provide complete seating and maximum specimen contact. A 4.5mm diameter 3 point loading head will be supplied to be used for 3 point flexure testing.

### **Model No. ASTM.D7905.20 - Fully Articulating Three and Four Point Flexure Fixture**

Specimen support spans adjustable to 6" and four point loading span adjustable to 3". The 1.5" tall supports are free to pivot as much as 7 degrees in either direction to provide complete seating and maximum specimen contact. The upper rolling and pivoting specimen loading pins are 6mm radius (12mm diameter). The lower rolling and pivoting specimen loading pins are 3mm radius (6mm diameter) and accommodates specimens up to 1" wide. Capacity: 2,000 lbs (8.8 kN). Constructed from stainless steel in accordance with ASTM D7905.

## **All Fixture Information**

**Lower Support Base:** The support span is measured along a center finding scale located on the front surface of the 7 degrees support base. The base may be used on a compression platen or mounted with the 1/2"-20 threaded coupling.

**3 and 4 Point Loading Head:** The support span is measured along a center finding scale located on the the front surface of the loading head. The head is pivoted and may be allowed to float freely or can be locked rigid with a locking nut. The loading head is supplied with 12mm male clevis type adapter with 6mm diameter dowel pin hole. (Dowel pin not included.)

## **ACCESSORIES**

Model No. ACC.C1161.1X01 - Full Complete Replacement Set for 2.5mm Diameter and 1" Wide Rollers Including: Rollers, Supports and Screws

Model No. ACC.C1161.1X02 - Full Complete Replacement Set for 9mm Diameter and 1" Wide Rollers Including: Rollers, Supports and Screws

Model No. ACC.C1161.1X03 - Set of (4) Supports for 2.5mm Diameter and 1" Wide Rollers

Model No. ACC.C1161.1X04 - Set of (4) Supports for 9mm Diameter and 1" Wide Rollers

Model No. ACC.C1161.1X05 - Extra Set of (4) 2.5mm Diameter Loading Pins

Model No. ACC.C1161.1X06 - Extra Set of (4) 9mm Diameter Loading Pins

Model No. ACC.C1161.1X07 - 1.25" Male Clevis for 4 Point Loading Head

Model No. ACC.C1161.1X08 - 5/8" Male Clevis for 4 Point Loading Head

Model No. ACC.C1161.1X09 - 1/2" Male Clevis for 4 Point Loading Head

## **SPARE PARTS**

Model No. SPA.C1161.1X01 - 12mm Male Clevis Top Adapter

Model No. SPA.C1161.1X02 - Replacement for Top Rail

Model No. SPA.C1161.1X03 - Replacement for Bottom Rail

Model No. SPA.C1161.1X04 - Full Complete Replacement Set for 4.5mm Diameter and 1" Wide Rollers Including: Rollers, Supports and Screws

Model No. SPA.C1161.1X06 - Set of (4) Supports for 4.5mm Diameter and 1" Wide Rollers

Model No. SPA.C1161.1X07 - Set of (4) 4.5mm Diameter and 1" Wide Rollers

Model No. SPA.C1161.1X08 - Set of (4) Nuts

## **COMMON SIZE ADAPTERS**

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

Model No. M01S21 - 1/2" Male Clevis to 1/2"-20 Threaded Stud

Model No. M02S21 - 5/8" Male Clevis to 1/2"-20 Threaded Stud

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

Model No. M12S21 - 12mm Male Clevis 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

**EXTRA PHOTOS:**



**ASTM.C1161.11**



**ASTM.C1161.12**