

Standards:  
ASTM C1161 - 18  
ASTM C1674 - 16

Material Type:  
CERAMIC

Type of Testing:  
COMPRESSION, FLEX

## FULLY ARTICULATING THREE AND FOUR POINT MICRO FLEXURE FIXTURE



<u>Model No.</u>	<u>Specimen Size or Difference Between Fixtures</u>	<u>Construction</u>	<u>Temperature</u>
ASTM.C1161.40	Up to 1" wide	Aluminum with finish	Ambient temperature
ASTM.C1161.41	Up to 1" wide	Stainless steel	-240 to 600°F (-152 to 318°C)
ASTM.C1674.40	Up to 1" wide	Aluminum with finish	Ambient temperature
ASTM.C1647.41	Up to 1" wide	Stainless steel	-240 to 600°F (-152 to 318°C)

Specimen:	Length	Any length
Fixture:	Support Spans	Any span from 20mm to 80mm
	Supports	Articulating with 4.5mm cylindrical supports
	Mounting	Top: 1.25" male clevis Bottom: 1/2"-20 threaded coupling
	Capacity	500 lbs
	Weight	5 lbs approximately
	Dimensions	
	Standard	Manufactured in compliance with ASTM C1161 and C1674

## **QUOTE**

Model No. ASTM.C1161.40 - Fully Articulating Three and Four Point Micro Flexure Fixture

The fixture is made from aluminum with a protective finish or stainless steel. The fixture has a capacity of 500 lbs and should be used in ambient temperature. Manufactured in compliance with ASTM C1161 and C1674.

Specimen support spans 20, 30, 40, 50, 60, 70 and 80 mm and four point loading span 20, 30 and 40mm. The rolling and pivoting specimen loading pins are 1" wide.

**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.

**Lower Support Base:** The span of the support is measured along a center finding scale located on the front surface of the 100mm 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 Support Base:** The span of the support is measured along a center finding scale located on the front surface of the support base. The 3 and 4 point loading head is pivoted and may be allowed to float freely or can be locked rigid with a locking nut. Upper mounting includes a 1.25" male clevis for mounting to your testing frame.

## **ACCESSORIES**

No accessories available at this time

## **SPARE PARTS**

Please contact us for spare or replacement parts

## **COMMON SIZE ADAPTERS**

### **Upper Mounting: 1.25" Male Clevis**

Model No. M03S60 - 1.25" Male Clevis to 2"-12 Threaded Stud

Model No. M03S48 - 1.25" Male Clevis to 1.5"-12 Threaded Stud

Model No. M03S42 - 1.25" Male Clevis to 1.25"-12 Threaded Stud

Model No. M03S36 - 1.25" Male Clevis to 1"-14 Threaded Stud

### **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