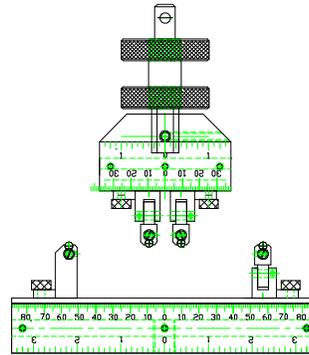
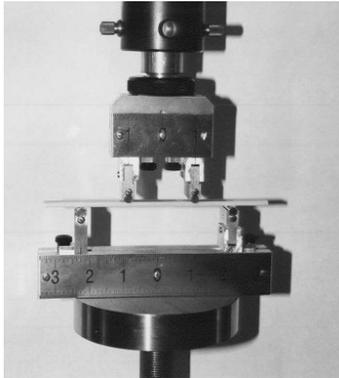


1" WIDE, 6" SPAN, FULLY ARTICULATING THREE & FOUR POINT FLEXURE FIXTURE (SS)



Specimen:	Width	Up to 1"
	Thickness	Up to 1/2"
	Length	Any length
Fixture:	Support Spans	Any span from 1/2" to 6"
	Supports	Articulating with 4.5mm cylindrical supports
	Construction	Stainless steel
	Temperature	-240 to 600°F (-152 to 318°C)
	Mounting	12mm male clevis top, 1/2"-20 coupling bottom
	Capacity	1,000 lbs (4.4 kN)
	Weight	10 lbs approximately
	Dimensions	Assembled - 8" x 2" x 8"
Standard	Manufactured in accordance with ASTM C1161, C1211, C1674	

Model No. ASTM.C1211.10. Fully Articulating Three & Four Point Flexure Fixture

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: 1,000 lbs (4.4 kN) at temperature ranges up to 600°F. Constructed from stainless steel in accordance with ASTM C1161, C1211, C1674.

Specimen supports: Incorporate free rolling loading pins of 4.5mm diameter. One of the 1.5" tall supports is free to pivot as much as 7° in either direction to provide complete seating and maximum specimen contact.

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

3 & 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 (Type "O") male clevis type adapter with 6mm diameter dowel pin hole. (Dowel pin not included.)

MODEL NO. ASTM.C1211.10

ASTM, CERAMIC, FLEX, COMPRESSION,

ACCESSORIES

- ACC.C1211.1001 - Extra Set of (4) 1/4" Diameter Loading Pins
- ACC.C1211.1002 - Extra Set of (4) Rockers and 1 Fixed Support for 1/4" Pins
- ACC.C1211.1003 - 1.25" Male Clevis for 4 Point Loading Head
- ACC.C1211.1004 - 5/8" Male Clevis for 4 Point Loading Head
- ACC.C1211.1005 - 1/2" Male Clevis for 4 Point Loading Head

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.C1211.1001 - Extra Set of (4) 4.5mm Diameter Loading Pins

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

<http://www.astm.org/Standards/C1273.htm>

ASTM C1273-15

Standard Test Method for Tensile Strength of Monolithic Advanced Ceramics at Ambient Temperatures

1.1 This test method covers the determination of tensile strength under uniaxial loading of monolithic advanced ceramics at ambient temperatures. This test method addresses, but is not restricted to, various suggested test specimen geometries as listed in the appendix. In addition, test specimen fabrication methods, testing modes (force, displacement, or strain control), testing rates (force rate, stress rate, displacement rate, or strain rate), allowable bending, and data collection and reporting procedures are addressed. Note that tensile strength as used in this test method refers to the tensile strength obtained under uniaxial loading.

1.2 This test method applies primarily to advanced ceramics that macroscopically exhibit isotropic, homogeneous, continuous behavior. While this test method applies primarily to monolithic advanced ceramics, certain whisker- or particle-reinforced composite ceramics as well as certain discontinuous fiber-reinforced composite ceramics may also meet these macroscopic behavior assumptions. Generally, continuous fiber ceramic composites (CFCCs) do not macroscopically exhibit isotropic, homogeneous, continuous behavior and application of this practice to these materials is not recommended.

1.3 Values expressed in this test method are in accordance with the International System of Units (SI) and SI10-02 IEEE/ASTM SI 10 .

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. Specific precautionary statements are given in Section 7.

Extracted, with permission, from ASTM C1273 Standard Test Method for Tensile Strength of Monolithic Advanced Ceramics at Ambient Temperatures, 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