

MONOTONIC EQUIBIAXIAL FLEXURAL STRENGTH (RING-ON-RING) TEST FIXTURE



ASTM.C1499.13



ASTM.C1499.18

Model No.

ASTM.C1499.13
ASTM.C1499.18
ASTM.C1499.25

Specimen Size or Difference Between Fixtures

Up to 2" wide and 1mm thick
Up to 300mm wide and 1.5mm thick
Up to 170mm wide and 1mm thick

Construction

High strength steel with finish
High strength steel with finish
High strength steel with finish

Temperature

-120 to 250°F (-85 to 122°C)
-120 to 250°F (-85 to 122°C)
-120 to 250°F (-85 to 122°C)

Specimen:	Length	Any length
Fixture:	Mounting	Top: 12mm male clevis Bottom: 1"-14 threaded coupling
	Capacity	1,000 lbs (4.4 kN)
	Weight	(.13) 17lbs, (.18) 75lbs, (.25) 28lbs
	Dimensions	(.13) 4" x 4" x 15", (.18) 9" x 13" x 15", (.25) 8" x 4.25" x 8.25"
	Standard	Manufactured in compliance with ASTM C1499

QUOTE

Model No. ASTM.C1499.XX - Ceramic Monotonic Equibiaxial Flexure Test Fixture

Ceramic Monotonic Equibiaxial Flexure loading specimen supports for specimens of the following dimensions - (x x) specimen. The fixture includes 15mm and 30mm diameter rings, both with a 0.725mm to 0.75mm height radius. The sub-press consists of a square base, four support columns, two linear bearings, and a 1/2" diameter loading rod. Specimen Clearance between posts is 3". Upper mounting comes with a 12mm male clevis and 1"-14 threaded coupling for the lower mounting. The fixture is constructed from high strength heat treated steel with a protective black oxide oil finish. Manufactured in compliance with ASTM C1499.

ACCESSORIES

Model No. ACC.C1499.0001 - 15 and 30mm Rings with 1.6mm R

Model No. ACC.C1499.0002 - 15 and 30mm Rings with 1.27mm R

Model No. ACC.C1499.0003 - 15 and 30mm Rings with 0.725 to 0.75mm R and 5mm Height

Model No. ACC.C1499.0030 - 12.5 and 25mm Rings with 1.5mm R

Model No. ACC.C1499.0031 - 12.5 and 25mm Rings with 1.6mm R

Model No. ACC.C1499.0032 - 12.5 and 25mm Rings with 3.2mm R

Model No. ACC.C1499.0033 - 12.5 and 25mm Rings with 0.725 to 0.75mm R

Model No. ACC.C1499.0034 - 12.5 and 25mm Rings with 0.725 to 0.75mm R 5mm Height

Model No. ACC.C1499.0040 - 9 and 18mm Rings with 0.725 to 0.75mm R

Model No. ACC.C1499.0041 - 9 and 18mm Rings with 0.725 to 0.75mm R 5mm Height

SPARE PARTS

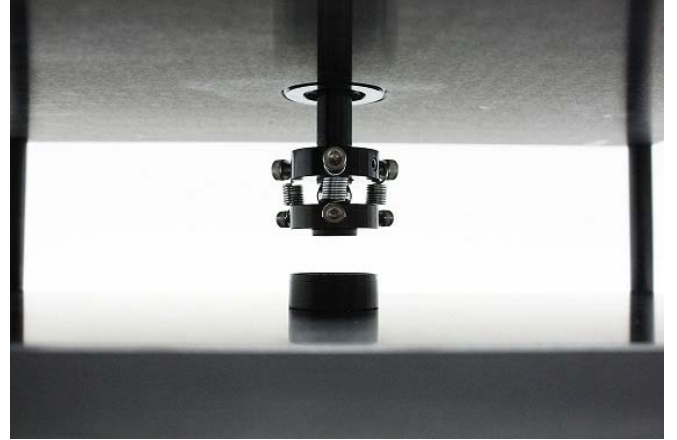
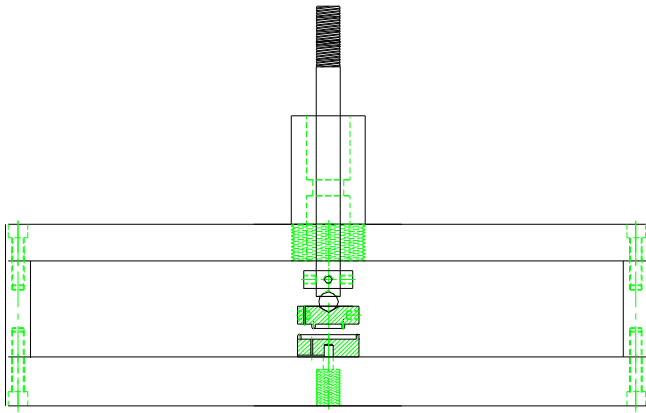
Model No. SPA.C1499.0001 - Extra Set of (2) Bearings
Model No. SPA.C1499.0002 - Extra Set of (3) Springs
Model No. SPA.C1499.0003 - Extra Ball
Model No. SPA.C1499.0004 - Extra Collar
Model No. SPA.C1499.0005 - Extra 12mm Male Clevis Adapter
Model No. SPA.C1499.0006 - Extra Set of (6) Screws for Spring Attachment
Model No. SPA.C1499.0007 - 15 and 30mm Rings with 0.725 to 0.75mm R
Model No. SPA.C1499.0008 - Extra Loading Rod and Mounting Locking Nut

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.C1499.25