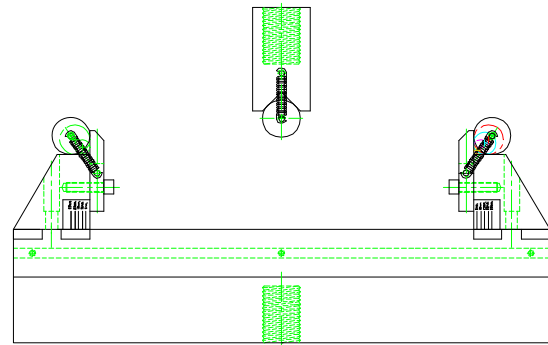


Standards:
ASTM D5045 - 07
ASTM E399 - 17
ASTM E1820 - 18

Material Type:
METAL

Type of Testing:
BEND, FLEXURE, COMPRESSION

THREE POINT BEND PLANE STRAIN FRACTURE TOUGHNESS FIXTURE



Model No.

ASTM.D5045.20
ASTM.E0399.20
ASTM.E1820.20

Specimen Size or Difference Between Fixtures

Up to 2" wide and 16" long
Up to 2" wide and 16" long
Up to 2" wide and 16" long

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)

Fixture:	Mounting	1"-14 threaded couplings
	Capacity	20,000 lbs (44 kN)
	Weight	41 lbs
	Dimensions	14 x 2" x 8" high approximately
	Standard	Manufactured in compliance with ASTM D5045, E399 and E1820

QUOTE

Model No. ASTM.E0399.20 - Three Point Bend Plane Strain Fracture Toughness Fixture

Specimen support spans are continuously adjustable up to 12" and 2" wide. The loading pins are constructed from heat treated stainless steel. The fixture is supplied with (3) 1/2" diameter loading pins and (3) 1" diameter loading pins. The fixture can handle a temperature range of -120 to 250°F (-85 to 122°C) and has a capacity of 20,000 lbs. The fixture is constructed from high strength steel with a protective black oxide finish and is manufactured in compliance with ASTM D5045, E399 and E1820.

Support Base - 14" long by 2" wide with a T-slot running the length of the base. The support block separation is measured along a center finding scale located on the front surface of the support base. The support base comes with 1"-14 threaded coupling for mounting to your testing frame.

Specimen Supports - 2" wide by 2" tall with alignment rails which fit in the T-slotted support base. The supports are supplied with an adjustable loading pin stop. The stop can be adjusted for 1/8" diameter to 1" diameter loading pins which are held in alignment with a tension spring. The supports are free sliding along the support base and may be reversed for short and long spans.

Three Point Loading Head - Two loading heads are supplied for 1/2" diameter and 1" diameter loading pin which is held in alignment with a tension spring. The loading heads is supplied with an 1"-14 threaded coupling for mounting to your testing frame.

ACCESSORIES

Model No. ACC.E0399.2001 - Set of (3) Rollers 5mm Diameter

Model No. ACC.E0399.2002 - Set of (3) Rollers 10mm Diameter

Model No. ACC.E0399.2003 - Set of (3) Rollers 20mm Diameter

Model No. ACC.E0399.2004 - Set of (3) Rollers 25mm Diameter

SPARE PARTS

Model No. SPA.E0399.2001 - Extra Set of (3) Rollers 1/2" Diameter

Model No. SPA.E0399.2002 - Extra Set of (3) 1" Diameter Roller

Model No. SPA.E0399.2003 - Replacement Base

Model No. SPA.E0399.2004 - Replacement 1" Diameter Loading Head

Model No. SPA.E0399.2005 - Replacement 1/2" Diameter Loading Head

Model No. SPA.E0399.2006 - Replacement Lower Supports

Model No. SPA.E0399.2007 - Replacement Set of Screws

Model No. SPA.E0399.2008 - Replacement Set of Springs

COMMON SIZE ADAPTERS

Mounting: 1"-14 Female Coupling

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

Model No. S42S36 - 1.25"-12 to 1"-14 Threaded Step Stud

Model No. S48S36 - 1.5"-12 to 1"-14 Threaded Step Stud

Model No. S60S36 - 2"-12 to 1"-14 Threaded Step Stud

Model No. LN36 - 1"-14 Threaded Locking Nut with Knurled OD