

Standards:

ASTM B312 - 09

ASTM B528 - 10

Material Type:

METAL POWDER

Type of Testing:

COMPRESSION, 3 POINT, TRANSVERSE, FLEXURE

THREE POINT TRANSVERSE RUPTURE FLEXURE FIXTURE FOR POWDER METALLURGY SPECIMENS



Model No.

ASTM.B0312.10

ASTM.B0528.10

Specimen Size or Difference Between Fixtures

0.5" wide, 1.25" length, up to 0.5" thick

0.5" wide, 1.25" length, up to 0.5" thick

Construction

high strength steel with a finish

high strength steel with a finish

Temperature

-120 to 250°F (-85 to 122°C)

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Fixture:	Mounting	1/2"-20 threaded coupling ends
	Capacity	
	Weight	Estimated 3 lbs
	Dimensions	4.5" x 1" x 3"
	Standard	Manufactured in compliance with ASTM B312 and B528

QUOTE

Model No. ASTM.B0528.10 - Three Point Transverse Rupture Flexure Fixture for Powder Metallurgy Specimens

The fixture accommodates a 1/2" wide by 1.25" long by up to 1/2" thick specimen. The fixture is attached to the test machine with 1/2"-20 threaded coupling ends supplied on both the upper and lower bases. Overall dimensions are approximately 4.5" x 1" x 3". Manufactured of high strength steel with a protective finish in compliance with ASTM B312, B528 and ISO 3325.

Lower Supports

The lower supports are hardened to 60+ HRc rollers that are 1/8" in diameter with a 1" loading surface. The lower rollers will be fixed parallel and centered spaced at 1". The rollers will be supported on an anvil that sits in a recess in the base plate.

Three Point Loading Cylinder

The upper loading head is attached to the top plate, which is guided by twin bushings. The loading head includes a hardened to 60+ HRc rollers that are 1/8" in diameter with a 1" loading surface.

ACCESSORIES

No accessories needed for this fixture

SPARE PARTS

Please contact us for spare or replacement parts

COMMON SIZE ADAPTERS

Upper and Lower Mounting: 1/2"-20 Female 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