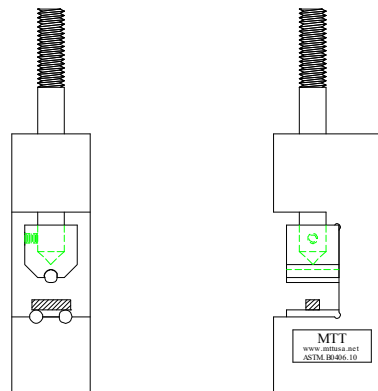


THREE POINT TRANSVERSE RUPTURE STRENGTH FIXTURE (SS)



Specimen: Thickness 0.2"
 Width 0.25"
 Length 0.75"

Fixture: Construction Stainless steel
 Temperature -120 to 250°F (-85 to 122°C)
 Mounting 1/2"-20 stud top, 1/2" -20 coupling bottom
 Capacity 20,000 lbs
 Weight 10 lbs
 Dimensions 2.25" x 1.5" x 7.5"
 Standard Manufactured in accordance with ASTM B406

Model No. ASTM.B0406.10- Three Point Transverse Rupture Flexure Fixture for Cemented Carbides

Lower supports

The lower supports are ground, cemented-carbide cylinders that are 0.250" \pm 0.001" in diameter by 1" long. The lower cylinders will be fixed parallel and centered, spaced at 0.563". Each cylinder will be supported on a hardened and ground support anvil 1" wide by 2" long by 1.5" tall.

Ground-cemented-carbide loading cylinder

The upper loading head is guided by twin linear bearings into the lower support. The loading head is interchangeable between a 0.25" \pm 0.001" ground, cemented-carbide cylinder and a 0.4" \pm 0.05" ground, cemented tungsten carbide ball.

The fixture accommodates a 0.2" thick by 0.25" wide by 0.75" long cemented carbide specimen. The fixture is attached to the test machine with 1/2"-20 threaded stud end on top and 1/2" -20 threaded coupling on lower base. Constructed of cemented carbide and stainless steel in accordance with ASTM B406.

MODEL NO. ASTM.B0406.10

TRANSVERSE, RUPTURE, STRENGTH,

ACCESSORIES

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.B0406.1001 - Replacement Set of (3) Cylinders

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

<http://www.astm.org/Standards/B406.htm>

ASTM B406 - 96(2015)

Standard Test Method for Transverse Rupture Strength of Cemented Carbides

1.1 This test method covers the determination of the transverse rupture strength of cemented carbides.

1.2 The values stated in inch-pound units are to be regarded as the standard. The SI values in parentheses are provided for information only.

1.3 This standard does not purport to address 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.

Extracted, with permission, Standard Test Method for Transverse Rupture Strength of Cemented Carbides 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.

Material Testing Technology

420 Harvester Court - Wheeling, IL. 60090 - Ph: (847) 215-7448 Fax: (847) 215-7449 E-mail: sales@mtusa.net