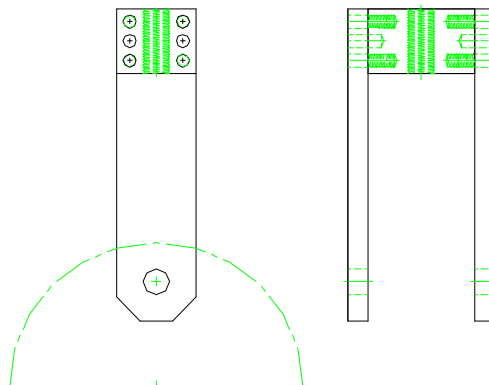


SPLIT DISK FIXTURE FOR PLASTIC MATERIALS



Specimen	Width	Up to 0.90"
	Thickness	Up to 0.90"
	Length	Supplied with one set of loading dee's 1" to 5.99"
Fixture	Construction	Anodized aluminum
	Temperature	-20 to 120°F (-29 to 49°C)
	Mounting	1/2"-20 threaded couplings
	Capacity	5,000 lbs (22 kN)
	Weight	10 lbs approximately
	Dimensions	Assembled 3" x up to 6" x 12"
	Standard	Manufactured in accordance with ASTM D2290

Model No. ASTM.D2290.20 - Split Disk Fixture For Plastic Materials

Fixture for testing small diameter extruded plastic ring. The fixture will accept 0.90" wide aluminum loading dee sets for pipe specimens from 1" to 12" internal diameter with a load capacity of 5,000 pounds. Constructed from high strength steel with a protective black oxide finish and stainless steel in accordance with ASTM D2290. One aluminum loading dee set between 1" and 5.99" diameter will be supplied with the fixture (ie 1"Ø). The fixture is supplied with 1/2"-20 class 2A couplings for mounting purposes.

MODEL NO. ASTM.D2290.20

ASTM, PLASTIC, COMPOSITE, TENSION

ACCESSORIES

Model No. ACC.D2290.2001 - Additional Set of Aluminum Loading Dees, any size between 1" and 5.99" OD for up to 0.90" wide specimens. Please specify specimen ID size when ordering.

Model No. ACC.D2290.2002 - Additional Set of Aluminum Loading Dees, any size between 6" and 11.99" OD for up to 0.90" wide specimens. Please specify specimen ID size when ordering.

Model No. ACC.D2290.2003 - Split Disk Ring Reduced Section Drilling Fixture

Upper and 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

Call for replacement or spare parts

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

SCOPE: <http://www.astm.org/Standards/D2290.htm>

ASTMD2290-12

Standard Test Method for Apparent Hoop Tensile Strength of Plastic or Reinforced Plastic Pipe

1.1 This test method covers the determination of the comparative apparent tensile strength of most plastic products utilizing a split disk or ring segment test fixture, when tested under defined conditions of pretreatment, temperature, humidity, and test machine speed. This test method is applicable to reinforced-thermosetting resin pipe regardless of fabrication method. This test method also is applicable to extruded and molded thermoplastic pipe.

Procedure A is used for reinforced-thermosetting resin pipe; Procedure B is used for thermoplastic pipe of any size; Procedure C is used for thermoplastic pipe with nominal diameter of 4.5 in. (110 mm) and greater. Procedure D is used for polyethylene pipe with a nominal diameter of 14 in. (350 mm) and greater and preferably having wall thickness 1 in. (25 mm) and greater.

1.2 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.3 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.

Extracted, with permission, from ASTM D2290 Standard Test Method for Apparent Hoop Tensile Strength of Plastic or Reinforced Plastic Pipe, copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19482. A copy of the complete standard may be purchased from ASTM International, www.astm.org.

Material Testing Technology

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