

Standards:

ASTM D5448 - 22

ASTM D5449 - 22

ASTM D5450 - 22

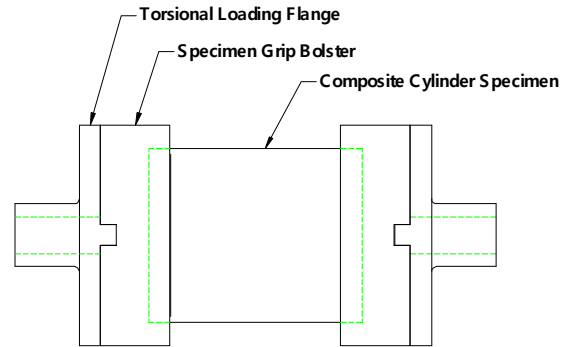
Material Type:

PIPE, COMPOSITE

Type of Testing:

COMPRESSION, TENSILE, TORSION

IN-PLANE SHEAR FIXTURE INCLUDING END LOADING CAP SET AND INNER AND OUTER SHELLS



Model No.

ASTM.D5448.20

ASTM.D5449.20

ASTM.D5450.20

Specimen Size or Difference Between Fixtures

4" OD, 0.06" thickness and 5.5" long

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Construction

High strength steel with finish

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Temperature

-120 to 250°F (-85 to 122°C)

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Fixture:	Mounting	Platen to platen or 3/4"-10 threaded studs
	Capacity	10,000 lbs
	Weight	45 lbs approximately
	Dimensions	Assembled - 5.5" x 4" x 14"
	Standard	Manufactured in compliance with ASTM D5448, D5449 and D5450

QUOTE

Model No. ASTM.D5448.20 - Transverse Test Fixture

These pipe end clamp type grips accommodate thin walled hoop wound cylindrical pipe specimens of 4" (100mm) diameter and 5.5" (140mm) long. Fixture includes all the parts needed to test the (3) different test methods (compression, tensile and torsion). The fixture includes (1) outer shell with a groove, guide pins, (1) insert, (2) torsional adapter ends, an assembly bolt, (2) spherical washers and (1) load rod. The fixture is constructed of stainless steel and the loading plate is made of high strength steel. The fixture can handle a temperature range of -120 to 250°F (-85 to 122°C) -240 to 600°F (-152 to 318°C) . Fixture is designed for 4.000" OD with a wall thickness of 0.060" only. Other wall thicknesses will require different inserts. Fixture is used platen to platen or with the loading rod that is supplied with 3/4"-10 threaded stud ends. Fixture is manufacture in compliance with ASTM D5448, ASTM D5449 and ASTM D5450.

ACCESSORIES

No accessories available at this time

SPARE PARTS

No spare parts available at this time

COMMON SIZE ADAPTERS

Upper and Lower Mounting: 6" Diameter Platen

Model No. PLAT.RF061.10 - 6" Diameter Round Fixed Compression Platen

Model No. PLAT.RA061.10 - 6" Diameter Round Articulating Compression Platen

Model No. PLAT.SF061.10 - 6" Square Fixed Compression Platen

Model No. PLAT.SA061.10 - 6" Square Articulating Compression Platen

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

Upper and Lower Mounting: 3/4"-16 Threaded Coupling

Model No. M01S30 - 1/2" Male Clevis to 3/4" -16 Threaded Stud

Model No. M02S30 - 5/8" Male Clevis to 3/4" -16 Threaded Stud

Model No. M03S30 - 1.25" Male Clevis to 3/4" -16 Threaded Stud

Model No. M12S30 - 12mm Male Clevis to 3/4" -16 Threaded Stud

Model No. S36S30 - 1" -14 to 3/4" -16 Threaded Step Stud

Model No. LN30 - 3/4" -16 Threaded Locking Nut with Knurled OD

Material Testing Technology

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EXTRA PHOTOS:

