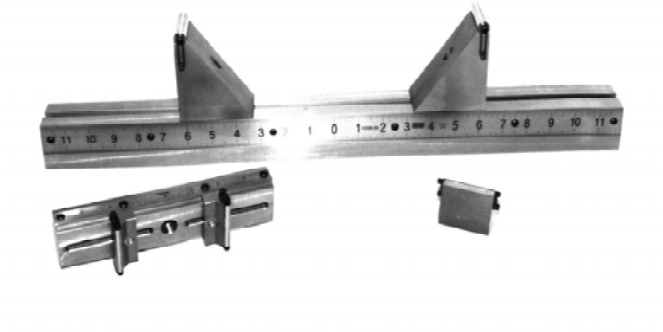
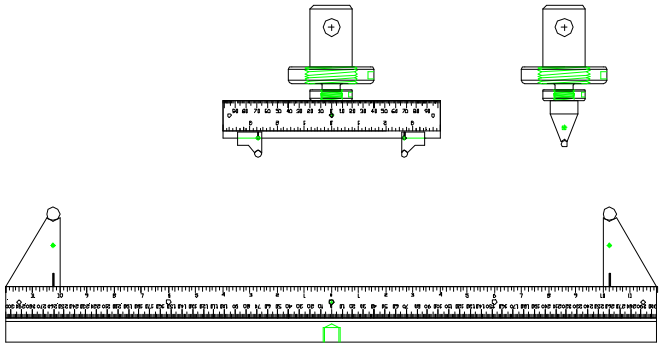
MTT

MODEL NO. ASTM.D7264.10

ASTM, FLEXURAL, POLYMER, MATRIX,

24" SPAN THREE & FOUR POINT FLEXURE FIXTURE FOR UP TO 2" WIDE (SS)





Specimen:	Width	Up to 2”
	Thickness	Up to 2”
	Length	Up to 24”
Fixture:	Support Spans	Any span from 1/2” to 20”
	4-point Head	Any span from 1/2” to 8”
	Loading Radii	Quick change floating loading pins
		1/2” (supports) - 1/4” (loading anvils) diameter
	Construction	Stainless steel
	Temperature	-240 to 600°F (-152 to 318°C)
	Mounting	5/8” -18 threaded couplings
	Capacity	8,000 lbs (35.5 kN)
	Weight	40 lbs approximately
	Dimensions	24” x 3” x 12” approximately

Model No. ASTM.D7264.10 - Three & Four Point Flexure Fixture
Specimen support spans from 1/2” to 24". Loading rollers will accommodate specimens up to 2.0” wide. Constructed from stainless steel in accordance with ASTM D7264.
Support Base - 24" long by 2" wide with a T-slot running the length of the base. The upper and lower surfaces are ground flat and parallel. The support block separation is measured along a center finding scale located on the the front surface of the support base. Includes 5/8” -18 threaded coupling.
Specimen Supports - 2" wide by 4" tall with alignment rails which fit in the T-slotted support base. The supports are supplied with 0.500"ø loading pins which are held in alignment grooves with O-rings. The center position of the loading pin is indicated by a scribe line which runs down the side of the support to the center finding scale. The supports are free to slide anywhere along the support base and may be reversed for short and long spans.
8” Four Point Loading Head - 2" wide by 8” long with two adjustable loading pin supports. The 8" long loading rail allows the pin supports to be adjusted to any loading span from 1/2" to 8". The pin supports are channeled to ensure proper alignment to the loading rail. The pin supports are supplied with 0.250"ø pins which are held in alignment grooves with O-rings. The center position of the loading pins is scribed in the pin support which runs along a center finding scale on the loading rail. Includes 5/8” -18 threaded coupling.
Three Point Loading Head - 2" wide loading roller is on a fixed loading support that attaches to the upper cross head. The three point loading head is supplied with a 5/8” -18 threaded coupling.

Material Testing Technology

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ACCESSORIES

Upper and lower fixture attachment is supplied with 5/8"-18 female coupling (Common adapter sizes include:

Model No. M01S27 - 1/2" Male Clevis (Type B) to 5/8" -18 Threaded Stud
Model No. M02S27 - 5/8" Male Clevis (Type C) to 5/8" -18 Threaded Stud
Model No. M03S27 - 1.25" Male Clevis (Type D) to 5/8" -18 Threaded Stud
Model No. M12S27 - 12mm Male Clevis to 5/8" -18 Threaded Stud Adapter
Model No. S36S27 - 1" -14 to 5/8" -18 Threaded Step Stud
Model No. LN27 - 5/8" -18 Threaded Locking Nut with Knurled OD

SPARE PARTS

ACC.D7264.1001 - Extra 1/2" Diameter Roller Sets of (4)
ACC.D7264.1002 - Extra 3/8" Diameter Roller Sets of (4)
ACC.D7264.1003 - Extra 1/4" Diameter Roller Sets of (4)

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

http://www.astm.org/Standards/D7264.htm
ASTM D7264 / D7264M - 15
Standard Test Method for Flexural Properties of Polymer Matrix Composite Materials
1.1 This test method determines the flexural stiffness and strength properties of polymer matrix composites.
1.1.1 Procedure A—A three-point loading system utilizing center loading on a simply supported beam.
1.1.2 Procedure B—A four-point loading system utilizing two load points equally spaced from their adjacent support points, with a distance between load points of one-half of the support span.
NOTE 1: Unlike Test Method D6272, which allows loading at both one-third and one-half of the support span, in order to standardize geometry and simplify calculations this standard permits loading at only one-half the support span.
1.2 For comparison purposes, tests may be conducted according to either test procedure, provided that the same procedure is used for all tests, since the two procedures generally give slightly different property values.
1.3 The values stated in either SI units or inch-pound units are to be regarded separately as standard. Within the text, the inch-pound units are shown in brackets. The values stated in each system are not exact equivalents; therefore, each system must be used independently of the other. Combining values from the two systems may result in nonconformance with the standard.
1.4 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.