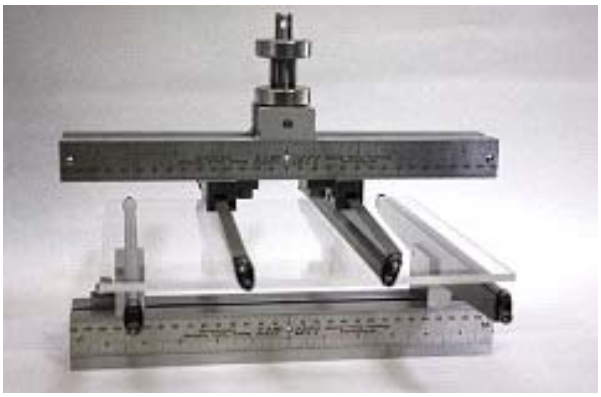
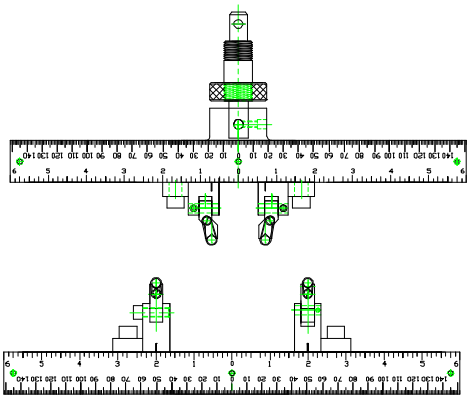
MTT

MODEL NO. ASTM.C0158.25

FLEXURAL, RUPTURE, BEND, ASTM, GLASS, 3

3 & 4 POINT 12” SPAN GLASS PLATE FLEXURE FIXTURE FOR SPECIMENS UP TO 12” WIDE





Specimen:	Width	Any width up to 12” wide
	Length	Any length up to 12”
Fixture:	Support Spans	Any span from 1.5” to 12”
	Supports	6mm rollers
	Construction	Stainless steel
	Temperature	Ambient
	Mounting	12mm male clevis top, 1/2”-20 coupling bottom
	Capacity	1,000 lbs (4.4 kN)
	Weight	42 lbs approximately
	Dimensions	Assembled - 12” x 12.5” x 8”
	Standard	Manufactured in accordance with ASTM C158

Model No. ASTM.C0158.25 - 3 & 4 Point Fully Articulated Flex Fixture
Capacity: 1,000 lbs (4.4 kN) at ambient temperature conditions. Constructed of stainless steel in accordance with ASTM C158.
Specimen supports: Each support is adjustable along a T- slotted base and can be set to the desired span as indicated by the english/metric center finding scale located on the front of the base. The free rolling and pivoting specimen loading pins are 12.5” (317.5mm) wide and 6mm in diameter. The loading pin on each support is free to pivot as much as 7° in either direction to provide complete seating and maximum contact to the test specimen. One support is articulating.
Lower Support Base: The base is 12” long and 2” wide with a T-slot running the length of the base. The lower span is continuously adjustable from 1.5" to 12". The span of the supports is measured along a english/metric center finding scale located on the front surface of the support base. The base may be used on a compression platen or mounted in a test machine with the 1/2"-20 threaded hole located at the loading axis of the fixture. Includes 1/2” -20 threaded coupling adapter.
3 & 4 Point Loading Head: The loading head is 12" long by 2” wide with a T-slot running the length of the base. The upper span is continuously adjustable from 1” to 12". The span of the supports is measured along an english/metric center finding scale located on the the front surface of the loading head. Either of the anvils are removable to achieve the 3 point loading head. The 3 & 4 point loading head is pivoted and may be allowed to float freely or can be locked rigid with a locking nut. The free rolling and pivoting specimen loading pins are 12.5” (317.5mm) wide and 6mm in diameter. The 3 & 4 point loading head is supplied with 12mm clevis type adapter (Type “O”) that accommodates a 6mm diameter dowel pin. (Dowel pin not included)

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ACCESSORIES

SPARE PARTS

SPA.C0158.2501 - 12mm Male Clevis Top Adapter
SPA.C0158.2502 - Replacement for Top Rail
SPA.C0158.2503 - Replacement for Bottom Rail
SPA.C0158.2504 - Full Complete Replacement Set for 6mm Diameter and 12” Wide Rollers Including: Wings, Rollers, Supports, Rings and Nuts
SPA.C0158.2505 - Set of (4) Wings for 6mm Diameter and 12” Wide Rollers
SPA.C0158.2506 - Set of (4) Supports for 6mm Diameter and 12” Wide Rollers
SPA.C0158.2507 - Set of (4) 6mm Diameter and 12” Wide Rollers
SPA.C0158.2508 - Set of (4) Nuts

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

http://www.astm.org/Standards/C158.htm
ASTM C158-02(2012)
Standard Test Methods for Strength of Glass by Flexure (Determination of Modulus of Rupture)
1.1 These test methods cover the determination of the modulus of rupture in bending of glass and glass-ceramics.
1.2 These test methods are applicable to annealed and prestressed glasses and glass-ceramics available in varied forms. Alternative test methods are described; the test method used shall be determined by the purpose of the test and geometric characteristics of specimens representative of the material.
1.2.1 Test Method A is a test for modulus of rupture of flat glass.
1.2.2 Test Method B is a comparative test for modulus of rupture of glass and glass-ceramics.
1.3 The test methods appear in the following order: (Sections) Test Method A Test (6 to 9), Method B (10 to 15)
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. Specific hazard statements are given in Section 10 and A1.5, A2.3.3, A2.4.3 and A2.5.3.