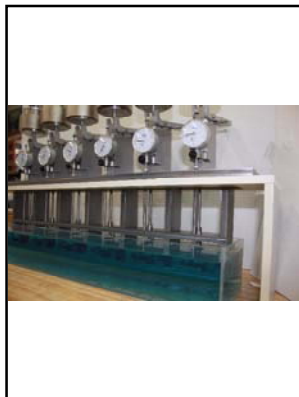


(6) POSITION FLEXURE CREEP STAND, LOW CAPACITY, LIQUID



Model No. ASTM.D2990.23

6 Position Top Loaded Flexure Creep Testing Stand for flexural creep testing in liquid baths in accordance with ASTM D2990 and other creep testing methods. The stand is constructed from stainless steel. The 0.500" diameter flexure supports are adjustable to fixed 1", 2" or 4" span. Items supplied with the test stand include (6) 0.5" diameter self-aligning loading pins, (6) 1 inch displacement dial gage (0.001" graduations), (6) loading shot weight cups and trays, vibration isolation pad for each leg of the stand, one specimen alignment tool, (6) 5 pound slotted weights, (20) 1 pound slotted weights and 10 pounds of steel shot.



Specimen lower support span: Fixed 1", 2" or 4"

Loading supports: 1/2" diameter loading pins

Three point loading head: 1/2" diameter loading pin - Linear bearing guided

Specimen widths: up to 1"

Maximum Displacement of midspan: 1"

Capacity: 10 lbs flexure load per station.

Platform: Table or floor mount (table not included)

Overall Size: 9" deep by 36" wide by 20" tall

Temperature Range Liquid: -240 to 600°F (-152 to 318°C)

Construction: Stainless Steel



(2) 1/2" diameter supports
1/2" Loading nose
Specimen Loading Bracket
Alignment bearing

Options:

High Temp Gages

Different Diameter Supports and Noses

Baths for Different Liquids

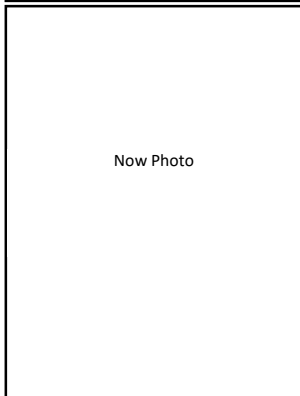
Options: Extra Slotted Weights

SCW.0005 - 1/2 Pound Slotted Creep Stand Weight

SCW.0010 - 1 Pound Slotted Creep Stand Weight

SSW.0050 - 5 Pound Slotted Creep Stand Weight

SSW.0100 - Extra can of steel shot (10 lbs)



Items included with D2990.22
Frame
(6) Room Temperature 1" dial gages
(6) Weight Trays
(1) Specimen Alignment Tool
(24) 1.0 lb Calibrated Weights
(6) 1/2 lb Calibrated Weights
10 lbs Steel Shot
(5) Isomode Vibration isolation pads

MODEL NO. ASTM.D2990.23

ASTM, MISC, CREEP

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<http://www.astm.org/Standards/D2990.htm>

ASTMD2990-09

Standard Test Methods for Tensile, Compressive, and Flexural Creep and Creep-Rupture of Plastics

1.1 These test methods cover the determination of tensile and compressive creep and creep-rupture of plastics under specified environmental conditions (see 3.1.3).

1.2 While these test methods outline the use of three-point loading for measurement of creep in flexure, four-point loading (which is used less frequently) can also be used with the equipment and principles as outlined in Test Methods D 790.

1.3 For measurements of creep-rupture, tension is the preferred stress mode because for some ductile plastics rupture does not occur in flexure or compression.

1.4 Test data obtained by these test methods are relevant and appropriate for use in engineering design.

1.5 The values stated in SI units are to be regarded as the standard. The values in parentheses are for information only.

1.6 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. A specific warning statement is given in 6.8.2.

Note 1-This standard and ISO 899 Parts 1 and 2 address the same subject matter, but differ in technical content (and results cannot be directly compared between the two test methods). ISO 899 Part 1 addresses tensile creep and creep to rupture and ISO 899 Part 2 addresses flexural creep. Compressive creep is not addressed in ISO 899.

Extracted, with permission, from ASTM D2990 Standard Test Methods of Static Tests of Lumber in Structural Sizes, 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.

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