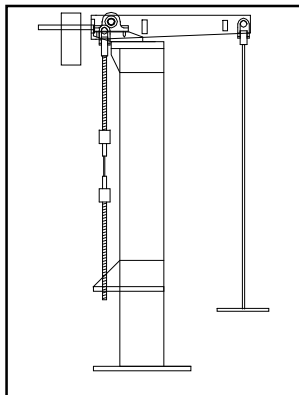


## TENSILE CREEP TESTING STAND - 5,000 LBS CAPACITY - 10 TO 1 MULTIPLIER



Model No. ASTM.D2990.12

500 lbs Single Position Tensile Creep Stand for Plastic Materials. The creep stand is a free standing table or floor mount. The load is applied to the tensile grips via a 10 to 1 multiplier arm which is dead weighted at the rear of the machine. The tensile load train consists of a pinned loading yoke to a universal alignment joint to a screw action face clamp grip set with serrated faces to an additional universal alignment joint to a pull rod secured at the base of the machine. The load or upper portion of the load train can be easily fitted with a load cell if desired. Load cell is not included with creep stand. The multiplier arm is pivoted on a vertical support column with a bearing pivot. The multiplier arm is counter-weighted and adjustable to balance out the machine component's weight.



Specimen widths: Up to 1.0"

Capacity: 500 lbs tensile load

Max Elongation: 0.250"

Platform: Table or floor mount (Table not included)

Overall Size: 36" deep by 6" wide by 22" tall

Temperature Range: Room Temperature

Weight Tray: 4" diameter

Weights: sold separately and are not included in the fixture price.

## **MODEL NO. ASTM.D2990.12**

### **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.

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