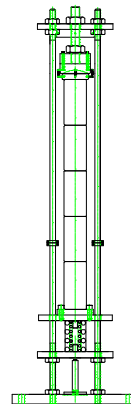


## 60,000 POUND CAPACITY - SPRING LOADED CREEP STAND WITH HYDRAULIC LOADING SYSTEM



Specimen:	Diameter	6" diameter
	Length	11.5"
Fixture:	Construction	High strength steel
	Temperature	-120 to 250°F (-85 to 122°C)
	Mounting	Floor mount
	Capacity	60,000 lbs (266.8 kN)
	Weight	1,300 lbs
	Dimensions	20" x 34" x 105"
	Standard	Manufactured in accordance with ASTM C512

### Model No. ASTM.C0512.12 - 60,000 lb Concrete Compression Creep Loading Frame

The loading frame is constructed from a four post compression cage with a movable upper loading plate and spring loaded compression sub-plate. The frame is supplied with 5 sets of linear compression springs. Each spring set is capable of providing 60,000 lbs (266.8 kN) at maximum compression. The linear compression springs are retained in the lower loading frame by guide pegs. The compression spring compartment is enclosed with access doors. The load frame is provided with 4 mounting holes and iso-mode padding for floor mounting installation.

The upper guided plate is loaded by means of a loading nut which is manually turned via a spanner wrench. The loading nut has a 2" maximum stroke. The loading nut and loading screw can be adjusted to accommodate specimen stack height differences up to 12". The concrete specimen load train will be supported on upper and lower compression platens, which are hardened to 60 Rc. One of the platens will be provided with a spherical seat for alignment of the load train. The fixture will accommodate five test specimens 6" diameter by 12" tall. Constructed in accordance with ASTM C512.

## **MODEL NO. ASTM.C0512.12**

### **ASTM, CONCRETE, CREEP, COMPRESSION**

#### **ACCESSORIES**

ACC.C0512.1201 - Optional 300,000 Load Cell

ACC.C0512.1202 - Hydraulic Preloading System Option

#### **SPARE PARTS**

Please contact us for spare or replacement parts

#### **REFERENCE DOCUMENT AND TEST METHOD SCOPE:**

<http://www.astm.org/Standards/C512.htm>

ASTM C512/C512M-15

Standard Test Method for Creep of Concrete in Compression

1.1 This test method covers the determination of the creep of molded concrete cylinders subjected to sustained longitudinal compressive load. This test method is limited to concrete in which the maximum aggregate size does not exceed 50 mm [2 in.].

1.2 The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in non-conformance with the standard.

1.3 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.

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