

## TENSILE TESTING GRIPS FOR RUBBER RING SPECIMENS (MOTORIZED ROTATING SHAFTS)



Specimen	Type	Rubber O-rings
	Spools	Fixture comes with a set of (2) 1/2" dia. spools
Fixture	Construction	High strength steel and plastic
	Temperature	Ambient
	Mounting	1/2"-20 loading stud with locking nut
	Capacity	50 lbs
	Weight	12 lbs
	Dimensions	8" x 3" x 10"
	Standard	Manufactured in accordance with ASTM D1414

### Model No. ASTM.D1414.11 - Tensile Testing Grips For Rubber Ring Specimens (Motorized Rotating Shafts)

Both spools are ball bearing mounted. The lower is fitted with a variable speed electric motor that revolves the spool as strain is applied, resulting in even tension on both ends of the specimen. The fixture is sold with standard 1/2" diameter spools that are 7/16" wide. Supplied with 1/2"-20 loading stud and locking nuts for adaptation to your test machine. Constructed in accordance with ASTM D1414.

# **MODEL NO. ASTM.D1414.11**

## **ACCESSORIES**

ACC.D1414.1102 - Extra Set of (2) Spools 3/16" Diameter  
ACC.D1414.1103 - Extra Set of (2) Spools 1/8" Diameter  
ACC.D1414.1104 - Extra Set of (2) Spools 1/4" Diameter  
ACC.D1414.1105 - Extra Set of (2) Spools 3/8" Diameter

## **Upper and lower fixture attachment is supplied with 1/2" -20 male studs (Common adapter sizes include:)**

Model No. M01C21 - 1/2" Male Clevis (Type B) to 1/2" -20 Threaded Coupling  
Model No. M02C21 - 5/8" Male Clevis (Type C) to 1/2" -20 Threaded Coupling  
Model No. M03C21 - 1.25" Male Clevis (Type D) to 1/2" -20 Threaded Coupling  
Model No. M12C21 - 12mm Male Clevis (Type O) to 1/2" -20 Threaded Coupling  
Model No. C36C21 - 1" -14 to 1/2" -20 Threaded Coupling  
Model No. LN21 - 1/2" -20 Threaded Locking Nut with Knurled OD

## **SPARE PARTS**

SPA.D1414.1101 - Extra Set of 1/2" Spools  
SPA.D1414.1102 - Extra Power Cord

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

Scope <http://www.astm.org/Standards/D1414.htm>

ASTM D1414-94(2013)

Standard Test Methods for Rubber O-Rings

1.1 These test methods describe the procedures for determining the physical properties of O-rings and changes in these properties due to aging.

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

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.

Extracted, with permission, from ASTM D1414 Standard Test Methods for Rubber O-Ring, 100 Barr Harbor Drive, West Conshohocken, PA 19482. A copy of the complete standard may be purchased from ASTM International, [www.astm.org](http://www.astm.org).