

FASTENER TENSILE GRIPS FOR 3/8" TO 1" DIAMETER BOLTS (120 KIP)



Specimen:	Bolts:	3/8" to 1" (M10 to M25) bolts
	Nuts:	3/8" to 1" (M10 to M25) nuts
Fixture:	Construction	High strength steel with protective finish
	Washers	2 ea flat washers (3/8", 1/2", 9/16", 5/8", 3/4", 7/8", 1") 1 ea 10° washers (3/8", 1/2", 9/16", 5/8", 3/4", 7/8", 1")
	Temperature	-120 to 250°F (-30 to 120°C)
	Mounting	2"-12 UNF threaded studs and locking nuts
	Capacity	120,000 lbs
	Weight	25 lbs approximately
	Dimensions	Assembled 4" x 4" x 12"
	Standard	Manufactured in accordance with ASTM A194, A370, and F606.

Model No. ASTM.F0606.20 - Fastener Tensile Grips For 3/8" to 1" Diameter Bolts (120 kip)

Supplied with 2"-12 UNF threaded male studs and locking nuts to adapt to your test machine. Constructed of high strength steel with a protective finish in accordance with ASTM A194, A370, and F606.

Supplied with (2) ea flat washers: (3/8", 1/2", 9/16", 5/8", 3/4", 7/8", 1")
Supplied with (1) ea 10° washers: (3/8", 1/2", 9/16", 5/8", 3/4", 7/8", 1")

MODEL NO. ASTM.F0606.20

ASTM, MECHANICAL, PROPERTIES,

ACCESSORIES

PLEASE SPECIFY DIAMETER OR THREAD

ACC.F0606.2003 - Plain Wedge Washer (6°) (ea) from M10 to M25 or 3/8" to 1"
ACC.F0606.2004 - Plain Wedge Washer (4°) (ea) from M10 to M25 or 3/8" to 1"
ACC.F0606.2005 - Threaded Flat Washer (ea) from M10 to M25 or 3/8" to 1"
ACC.F0606.2006 - Threaded Wedge Washer (6°) (ea) from M10 to M25 or 3/8" to 1"
ACC.F0606.2007 - Top Hat Style Short Bolt Adapter (ea)
ACC.F0606.2008 - Tensile Nut Proof Load Test Fixture
ACC.F0606.2009 - Compression Nut Proof Load Test Fixture

SPARE PARTS

SPA.F0606.2001 - Plain Flat Washer (Set of 2) from M10 to M25 or 3/8" to 1"
SPA.F0606.2002 - Plain Wedge Washer (10°) (ea) from M10 to M25 or 3/8" to 1"

Upper and lower fixture attachment is supplied with 2"-12 stud. (Common adapter sizes include:)

Model No. M03C60 - 1.25" Male Clevis (Type D) to 2" -12 Threaded Coupling
Model No. C60S36 - 2" -12 Coupling to 1" -14 Threaded Stud
Model No. C60S42 - 2" -12 Coupling to 1.25" -12 Threaded Stud
Model No. C60S48 - 2" -12 Coupling to 1.5" -12 Threaded Stud
Model No. LN60 - 2" -12 Threaded Locking Nut with Knurled OD

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

<http://www.astm.org/Standards/F606.htm>

ASTM F606 / F606M - 14a

Standard Test Methods for Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets

1.1 These test methods cover establishment of procedures for conducting tests to determine the mechanical properties of externally and internally threaded fasteners, washers, direct tension indicators, and rivets.

1.2 Property requirements and the applicable tests for their determination are specified in individual product standards. In those instances where the testing requirements are unique or at variance with these standard procedures, the product standard shall specify the controlling testing requirements. In the absence of any specified test requirement(s), these test methods shall apply.

1.3 These test methods describe mechanical tests for determining the following properties: (Section)

For Externally Threaded Fasteners: 3, Product Hardness - 3.1, Proof Load - 3.2.1, Method 1, Length Measurement - 3.2.3, Method 2, Yield Strength - 3.2.4, Method 3, Uniform Hardness - 3.2.5, Axial Tension Testing of Full-Size Product - 3.4, Wedge Tension Testing of Full-Size Product - 3.5, Tension Testing of Machined Test Specimens - 3.6, Total Extension at Fracture Test - 3.7, Single Shear Test - 3.8, For Internally Threaded Fasteners: 4, Product Hardness - 4.1, Proof Load Test - 4.2, Cone Proof Load Test - 4.3, For Washers and Direct Tension Indicators: 5, Product Hardness-General Requirements - 5.1, Through Hardened Washers 5.2, Carburized Washers - 5.3, Stainless Steel and Nonferrous Washers - 5.4, Direct Tension Indicators - 5.5, Compression Load - 5.6, For Rivets: 6,

Product Hardness - 6.1, Test for Embrittlement of Metallic-Coated Externally Threaded Fasteners - 7, Test Method for Determining Decarburization and Carburization - 8,

1.4 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.

NOTE 1: The values are stated in inch-pound for inch fasteners and SI metric units for metric fasteners.

1.5 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, Standard Test Methods for Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428. A copy of the complete standard may be purchased from ASTM International, www.astm.org.

Material Testing Technology

420 Harvester Court - Wheeling, IL. 60090 - Ph: (847) 215-7448 Fax: (847) 215-7449 E-mail: sales@mtusa.net