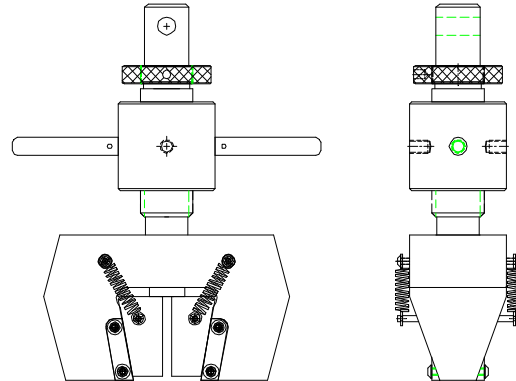
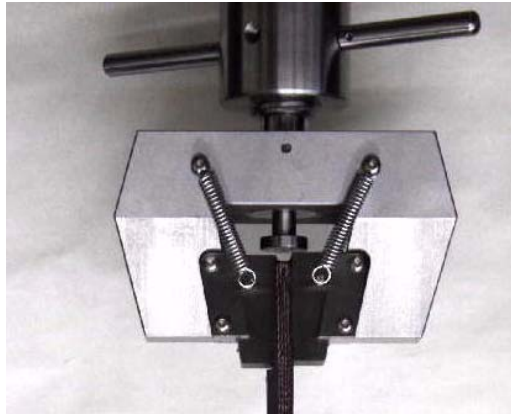


## TITAN SERIES 20,000 LBS WEDGE ACTION GRIPS FOR SPECIMENS UP TO 2" WIDE OR 3/4" ROUND



Specimen:	Width	Up to 2" wide or 0.75" round
	Thickness	Up to 1" thick or 0.75" round
Fixture:	Construction	High strength steel with protective finish
	Temperature	-120 to 250°F (-85 to 122°C)
	Mounting	(2) 1.25" male clevis adapters
	Capacity	20,000 lbs
	Weight	50 lbs approximately
	Dimensions	9" x 9" x 22"
	Standard	Manufactured in accordance with ASTM A370, D638, D3039, D5766, D6742, D7205, E8

Model No. ASTM.D0638.10- TITAN Series 20,000 lbs Wedge Action Grips For Specimens Up To 2" Wide or 3/4" Round

Grips will accept replaceable grip faces for different size specimens up to 1.00" thick by 2.00" wide or 0.80" round. The initial clamping force is created by rotating the clamping collar with or without the handles. The grip faces are held in place with a retaining plate and spring. Supplied with (2) 1.25" male clevis (Type D) adapters. Constructed of high strength steel with a protective plated finish. Grip faces sold separately.

# **MODEL NO. ASTM.D0638.10**

## **ACCESSORIES**

ACC.T2018 - Set of (4), 2" wide flat grip faces for 0" to 0.2" specimens - Diamond  
ACC.T2118 - Set of (4), 2" wide flat grip faces for 0.2" to 0.4" specimens - Diamond  
ACC.T2218 - Set of (4), 2" wide flat grip faces for 0.4" to 0.6" specimens - Diamond  
ACC.T2318 - Set of (4), 2" wide flat grip faces for 0.6" to 0.8" specimens - Diamond  
ACC.T2418 - Set of (4), 2" wide flat grip faces for 0.8" to 1.0" specimens - Diamond  
ACC.TR2106 - Set of (4), 2" wide vee groove grip faces for 0.1" to 0.3" round - Serrated  
ACC.TR2206 - Set of (4), 2" wide vee groove grip faces for 0.2" to 0.4" round - Serrated  
ACC.TR2306 - Set of (4), 2" wide vee groove grip faces for 0.3" to 0.5" round - Serrated  
ACC.TR2406 - Set of (4), 2" wide vee groove grip faces for 0.4" to 0.6" round - Serrated  
ACC.TR2506 - Set of (4), 2" wide vee groove grip faces for 0.5" to 0.7" round - Serrated  
ACC.TR2606 - Set of (4), 2" wide vee groove grip faces for 0.6" to 0.8" round - Serrated  
SFF.D3039.1001 -Specimen Fabrication Fixture for tabbing specimens

## **SPARE PARTS**

Contact us for spare or replacement parts

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

Scope <http://www.astm.org/Standards/D638.htm>

ASTM D638-14

Standard Test Method for Tensile Properties of Plastics

1.1 This test method covers the determination of the tensile properties of unreinforced and reinforced plastics in the form of standard dumbbell-shaped test specimens when tested under defined conditions of pretreatment, temperature, humidity, and testing machine speed.

1.2 This test method is applicable for testing materials of any thickness up to 14 mm (0.55 in.). However, for testing specimens in the form of thin sheeting, including film less than 1.0 mm (0.04 in.) in thickness, ASTM standard D882 is the preferred test method. Materials with a thickness greater than 14 mm (0.55 in.) shall be reduced by machining.

1.3 This test method includes the option of determining Poisson's ratio at room temperature.

NOTE 1 This standard and ISO 527-1 address the same subject matter, but differ in technical content.

NOTE 2 This test method is not intended to cover precise physical procedures. It is recognized that the constant rate of crosshead movement type of test leaves much to be desired from a theoretical standpoint, that wide differences may exist between rate of crosshead movement and rate of strain between gauge marks on the specimen, and that the testing speeds specified disguise important effects characteristic of materials in the plastic state. Further, it is realized that variations in the thicknesses of test specimens, which are permitted by these procedures, produce variations in the surface-volume ratios of such specimens, and that these variations may influence the test results. Hence, where directly comparable results are desired, all samples should be of equal thickness. Special additional tests should be used where more precise physical data are needed.

NOTE 3 This test method may be used for testing phenolic molded resin or laminated materials. However, where these materials are used as electrical insulation, such materials should be tested in accordance with Test Methods D229 and Test Method D651.

NOTE 4 For tensile properties of resin-matrix composites reinforced with oriented continuous or discontinuous high modulus >20-GPa (>3.0? $\times$ ?106-psi) fibers, tests shall be made in accordance with Test Method D3039/D3039M.

1.4 Test data obtained by this test method have been found to be useful in engineering design. However, it is important to consider the precautions and limitations of this method found in Note 2 and Section 4 before considering these data for engineering design.

1.5 The values stated in SI units are to be regarded as standard. The values given 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.

Extracted, with permission, from ASTM D638 Standard Test Method for Tensile Properties of Plastics, 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](http://www.astm.org).