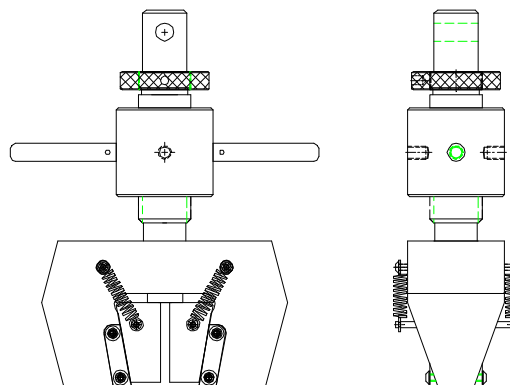
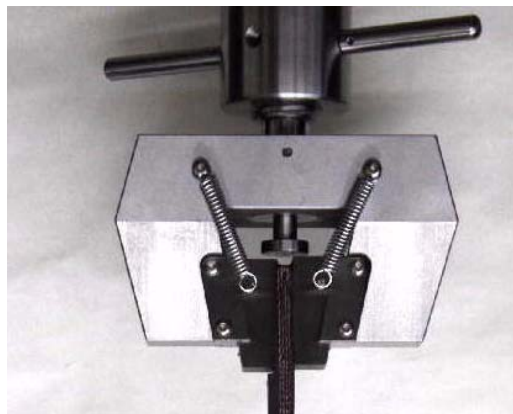


## 20,000 LBS WEDGE ACTION GRIPS FOR SPECIMENS UP TO 2" WIDE OR 3/4" ROUND



|           |              |   |
|-----------|--------------|---|
| Specimen: | Width        | 2" wide or 0.750" round   |
|           | Thickness    | 0.5" thick  |
| Fixture:  | Construction | High strength steel with protective finish                                    |
|           | Temperature  | -120 to 250°F (-85 to 122°C)  |
|           | Mounting     | (2) 1.25" male clevis (Type D) adapters                                       |
|           | Capacity     | 20,000 lbs (88.9 kN)  |
|           | Weight       | 50 lbs approximately  |
|           | Dimensions   | 9" x 9" x 22"   |
|           | Standard     | Manufactured in accordance with ASTM A370, D3039, D5766, D6742, D7205, and E8 |

### Model No. ASTM.D7205.10 - TITAN Series 20,000 lbs Wedge Action Grips

Grips will accept replaceable grip faces for different size specimens up to 1" thick by 2" wide or 0.8" 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 - see Accessories section.**

## **MODEL NO. ASTM.D7205.10**

### **ASTM, TENSILE, FIBER-REINFORCED, POLYMER,**

#### **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.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

#### **SPARE PARTS**

Contact us for spare or replacement parts

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

<http://www.astm.org/Standards/D7205.htm>  
ASTM D7205 / D7205M - 06(2011)

Standard Test Method for Tensile Properties of Fiber Reinforced Polymer Matrix Composite Bars

1.1 This test method determines the quasi-static longitudinal tensile strength and elongation properties of fiber reinforced polymer matrix (FRP) composite bars commonly used as tensile elements in reinforced, prestressed, or post-tensioned concrete.

Note 1

Additional procedures for determining tensile properties of polymer matrix composites may be found in test methods D 3039/D 3039M and D 3916.

1.2 Linear elements used for reinforcing Portland cement concrete are referred to as bars, rebar, rods, or tendons, depending on the specific application. This test method is applicable to all such reinforcements within the limitations noted in the method. The test articles are referred to as bars in this test method. In general, bars have solid cross-sections and a regular pattern of surface undulations and/or a coating of bonded particles that promote mechanical interlock between the bar and concrete. The test method is also appropriate for use with linear segments cut from a grid. Specific details for preparing and testing of bars and grids are provided. In some cases, anchors may be necessary to prevent grip-induced damage to the ends of the bar or grid. Recommended details for the anchors are provided in .

1.3 The strength values provided by this method are short-term static strengths that do not account for sustained static or fatigue loading. Additional material characterization may be required, especially for bars that are to be used under high levels of sustained or repeated loading.

This standard does not purport to address all of the safety problems, 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.

1.4 The values stated in either SI units or inch-pound units are to be regarded separately as standard. Within the text, the inch-pound units are shown in brackets. The values stated in each system are not exact equivalents; therefore, each system must be used independently of the other. Combining values from the two systems may result in nonconformance with the standard.

1.5 This annex describes the recommended anchor to facilitate gripping of FRP bar specimens for various types of tests performed under tensile loading. It also specifies preparation of the specimens. Other types of anchors may be used provided it is demonstrated that (a) failure of the bar occurs outside the anchors and (b) the anchors prevent excessive slip of the bar prior to tensile failure.

1.6 This annex provides recommendations for testing bars in conditions that are other than standard laboratory conditions. These conditions may include immersion in water or other aqueous solution and/or elevated temperature or moisture conditions.

Extracted, with permission from D7205, Standard Test Method for Tensile Properties of Fiber Reinforced Polymer Matrix Composite Bars, 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](http://www.astm.org).

*Material Testing Technology*

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