

GRIPPING DEVICE FOR SHEAR TESTING WITH 1/2"-20 STUD ADAPTERS FOR ALIGNED INTERFACE SPECIMENS



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| Specimen: | Diameter | 3/4" |
| | Length | 1.0" |
| Fixture: | Construction | High strength steel with a protective finish |
| | Temperature | -120 to 250°F (-85 to 122°C) |
| | Mounting | 1/2"-20 threaded studs |
| | Capacity | 1,000 lbs |
| | Weight | 5 lbs |
| | Dimensions | 2" x 2" x 6" |
| | Standard | Manufactured in accordance with ASTM F1044 |

Model No. ASTM.F1044.20 - Shear Gripping Device with Adapters

Includes (2) gripping devices with 1/2" -20 threaded couplings, and (2) universal joint type adapters with 1/2" -20 threaded studs and locking nuts on both ends. Fixture accommodates (2) 3/4" diameter x 1.0" long specimens that are bonded together. Constructed of high strength steel with a protective finish in accordance with ASTM F1044.

MODEL NO. ASTM.F1044.20

ASTM, SHEAR, TESTING, CALCIUM, PHOSPHATE,

ACCESSORIES

Model No. ACC.F1044.2001 - set of (2) blank bonding blocks that are 3/4" diameter x 1" long with no coating

Model No. ACC.F1044.2002 - HA coating for bonding blocks

SPARE PARTS

REFERENCE DOCUMENT AND TEST METHOD SCOPE:

<http://www.astm.org/Standards/F1044.htm>

ASTM F1044 - 05(2011)e1

Standard Test Method for Shear Testing of Calcium Phosphate Coatings and Metallic Coatings

1.1 This test method covers shear testing of continuous calcium phosphate coatings and metallic coatings adhering to dense metal substrates at ambient temperatures. It assesses the degree of adhesion of coatings to substrates, or the internal cohesion of a coating in shear, parallel to the surface plane.

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 may involve hazardous materials, operations, and equipment. 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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Material Testing Technology