

PATENT IMPROVED TENSILE TEST FIXTURE FOR COMPOSITE REBAR SPECIMENS



Model No.
ASTM.D7205.50
SFF.D7205.50

Specimen Size or Difference Between Fixtures
#3 to #8 rebar
#3 to #8 rebar

Construction
Stainless steel
Aluminum

Temperature
-240 to 600°F (-152 to 318°C)
Room temperature

Mounting 1" thick grip tab (different mounting options available)
Capacity 125,000 lbs (500 kN)
Dimensions 37" x 37" x 66" each grip

QUOTE

ASTM.D7205.50 - Tensile Test Fixture for Composite Rebar Specimens

The fixture is composed of (2) rebar grip cages for the upper and lower attachment of the specimen. Each rebar grip cage comes with solid steel plates and threaded rods to provide enough space for each specimen end. A bearing plate and locking plate is used with the upper and lower rebar grip cage. The locking plate is sized to the specific specimen size from #3 (3/8" diameter) rebar to #8 (1" diameter) rebar being tested and is bolted to the bearing plate. The bearing plate has a 1.5" slot that allows the specimen to slide into the fixture for quick and easy set up between different specimens and sizes. The gage length for testing is determined the size of your load frame. The fixture has a capacity of 125,000 lbs (500 kN) and the rebar grip cages are provided with flat grip tabs that are 1" thick to be used with grips to mount in to your testing frame.

SFF.D7205.5001 - Custom Specimen Fabrication Frame for Composite Rebar Specimens

The specimen alignment fixture for potting the ends of the rebar consists of and 18 position (2 rows of 9) stand for proper alignment of the rebar into the supporting steel tube reinforcement system. The rebar specimens are held with adjustable clamps that are mounted to adjustable horizontal supports for rebar sized from #3 through #8. The alignment fixture positions the rebar specimens in the steel tube allowing the cement compound to be uniformly distributed around the rebar with end caps to contain the potting material. One set of caps for 18 specimens (specified by the customer) will be supplied with the fabrication fixture. The base of the frame can be covered by a disposable drop covering that allows for easy clean up (1 drop covering is provided with frame). The frame also comes with casters and brakes for easy accessability to both rows of specimens. The Frame is constructed from aluminum and is used in ambient temperature.

ACCESSORIES

Model No. ACC.D7205.5003 - Extra (9) Sets of #3 (3/8" Diameter) Rebar End Caps

Model No. ACC.D7205.5004 - Extra (9) Sets of #4 (1/2" Diameter) Rebar End Caps

Model No. ACC.D7205.5005 - Extra (9) Sets of #5 (5/8" Diameter) Rebar End Caps

Model No. ACC.D7205.5006 - Extra (9) Sets of #6 (3/4" Diameter) Rebar End Caps

Model No. ACC.D7205.5007 - Extra (9) Sets of #7 (7/8" Diameter) Rebar End Caps

Model No. ACC.D7205.5008 - Extra (9) Sets of #8 (1" Diameter) Rebar End Caps

Model No. ACC.D7205.5023 - Extra (9) Sets of #3 (3/8" Diameter) Steel Tubes

Model No. ACC.D7205.5024 - Extra (9) Sets of #4 (1/2" Diameter) Steel Tubes

Model No. ACC.D7205.5025 - Extra (9) Sets of #5 (5/8" Diameter) Steel Tubes

Model No. ACC.D7205.5026 - Extra (9) Sets of #6 (3/4" Diameter) Steel Tubes

Model No. ACC.D7205.5027 - Extra (9) Sets of #7 (7/8" Diameter) Steel Tubes

Model No. ACC.D7205.5028 - Extra (9) Sets of #8 (1" Diameter) Steel Tubes

SPARE PARTS

Model No. SPA.D7205.5001 - Replacement Drop Cloth

Model No. SPA.D7205.5002 - Set of (3) Replacement Clamps

Model No. SPA.D7205.5003 - Set of (3) Replacement Adjustable Horizontal Bars

COMMON SIZE ADAPTERS

Contact us to find the adapters that best fit your need

EXTRA PHOTOS:

