



Greenslade & Company Inc.

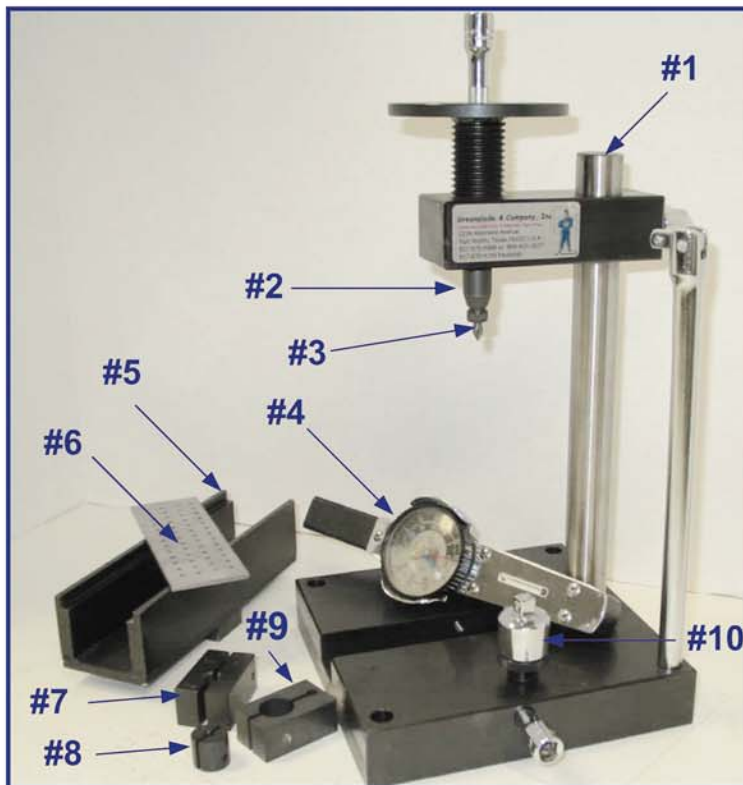


Fastener Inspection Equipment
Innovative Gage Design
Dimensional Calibration

STF-250

Tapping screws are widely used fasteners in high volume assembly applications because they are designed to either reduce the number of components used or to eliminate production operations such as tapping and/or drilling.

The performance requirements of tapping screws are covered by ANSI/ASME, SAE, GM, FORD, Chrysler, JIS, ISO, and others. These standards require that tapping screws must be tested for ductility, torsional strength, drive test, drive torque, drill-drive time, and hydrogen embrittlement. These requirements vary depending on the screw's type. Specific equipment is required to conduct these tests properly. Greenslade provides all of the testing products needed to perform these required tests.



- #1 Screw testing fixture, STF-250**
- #2 Driver bit holder, STF BIT HOLDER**
- #3 Driver bits (specify recess type and size)**
- #4 Torque wrench (specify smallest and largest screw to test)**
- #5 Test plate holder, STFPH-250**
- #6 Test plate (specify screw type and size to test)**
- #7 Split collet for testing screws 1/4 inch and M6 and larger**
- #8 Split collet for testing screws smaller than 1/4 inch and M6**
- #9 Split collet holder for small screw collets, STFCH 250**
- #10 Ratchet adaptor to facilitate rapid screw testing, STF RATCHET**

Torsional Strength Testing

A part's torsional strength is its ability to resist being twisted in two. Minimum torsional strength requirements are specified in the various standards governing tapping screws. This is tested by clamping a screw in a tapped split collet in a torsional strength testing fixture (shown) and applying twisting force (torque) with a torque wrench until the screw twists in two. The part fails if it does not meet the required minimum torque value specified. A failure indicates that the screw is too soft or the minor diameter is too small.



2234 Wenneca Ave, Fort Worth, TX 76102 ph:817-870-8888 fx: 817-870-9199
www.greensladeandcompany.com / sales@greensladeandcompany.com

