

The TSTM torque test stand is ideal for a wide variety of applications requiring up to 100 lbFin of torque, including closure torque testing, fastener torque testing, and more. Motorized clockwise and counterclockwise rotation allows for more precise and repeatable test results than with manual test stands. Modular design allows the stand to be configured for a variety of torque sensors and gripping fixtures while a lever-operated slider with travel stops makes engaging and disengaging samples quick and efficient. The stand includes a torque loading plate with tapped holes for grip and custom fixture mounting and an angle dial indicator with 2° resolution and unlimited angular travel.

Specifications

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|----------------------------------|--|
| Load capacity: | 100 lbFin [11.3 Nm] |
| Speed range: | 0.3 - 8.6 RPM (4 - 52°/s) |
| Speed setting accuracy: | ±5%, ±0% variation with load |
| Maximum angular travel: | No limit |
| Angular rate: | 12° per hand wheel revolution |
| Angle indicator resolution: | 2° |
| Maximum slider travel: | 15.5 in [394 mm] |
| Slider travel rate: | 1.047 in [26.6 mm] per lever revolution |
| Weight (w/o optional equipment): | |
| TSTM: | 35.5 lb [16.1kg] |
| TSTMH: | 29.5 lb [13.4 kg] |
| Included accessories: | Wrench set |
| Warranty: | 3 years (see individual statement for further details) |

» Rotating torque plate has a matrix of tapped holes for grip or fixture mounting

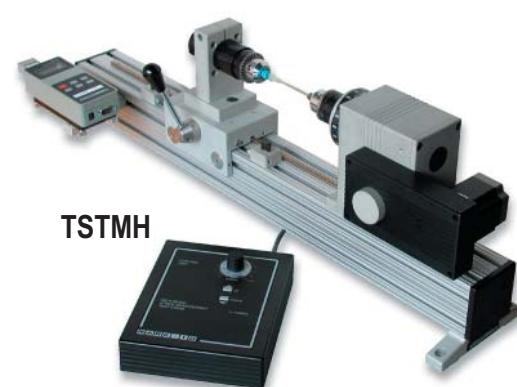


TSTM

Optional Equipment

| | |
|--|---|
| Digital angle indicator TST001 | Displays cw or ccw angle with 0.1° resolution for approximately 278 rotations, resettable with zero button. Accurate to ±0.7°. Three sets of mounting holes allow the indicator to be mounted perpendicular to, or parallel to the test stand column. It can also be repositioned along the column. |
| Torque sensor | Series STJ sensors are recommended for use with Mark-10 torque test stands. A wide range of capacities is available. Mounts directly to the test stand. Other sensors and mounting adapters are available. |
| Force/torque indicator BGI | Displays reading from the torque sensor. Includes features such as data outputs, data averaging, set points, and more. |
| Torque gauge Series MGT | Basic torque gauge for various applications. |
| Overload protection module 11-1042 | Protects the torque sensor against overloads during motorized tests, adjustable from 10 - 150% of sensor's full capacity. Compatible with the BGI. |
| Set point cable 09-1090 | Stops test stand travel at programmable high and low set points for clockwise and counterclockwise torque. Compatible with the BGI. |
| Grips | Various universal and application-specific grips are available |

» Digital angle indicator

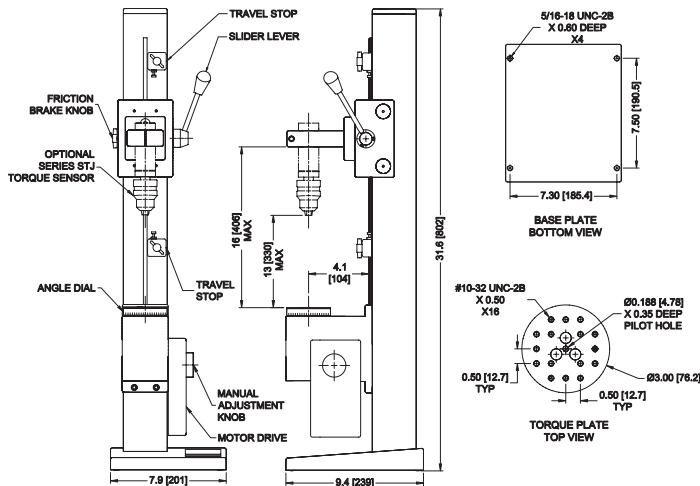
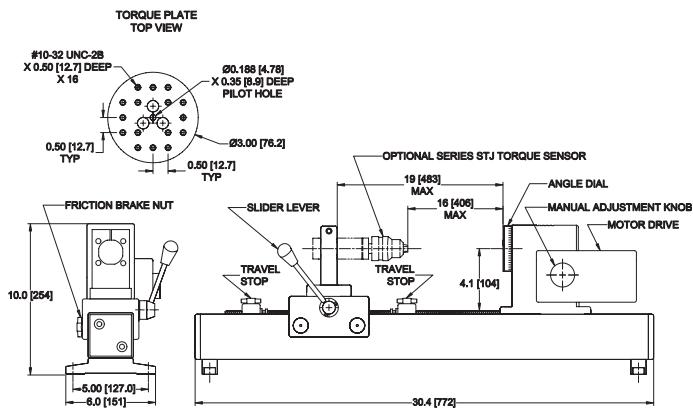


TSTMH

The TSTMH is shown in a pen cap torque test, with an STJ torque sensor, BGI force/torque indicator, and G1022 Jacobs chuck grip

Dimensions

in [mm]

TSTM**TSTMH****Ordering Information**

| Model No. | Description |
|--------------------|---|
| TSTM ¹ | Torque test stand, motorized, 100 lbFin, vertical, 110V |
| TSTMH ¹ | Torque test stand, motorized, 100 lbFin, horizontal, 110V |
| TST001 | Digital angle indicator |
| STJ ² | Universal torque sensor |
| BGI | Universal force/torque indicator |
| MGT ³ | Digital torque gauge |
| 11-1042 | Overload protection module, BGI to test stand |
| 09-1090 | Set point cable, BGI to test stand |

TST / TSTH test stands include a wrench set and AC1004 adjustable gauge mounting plate (for BGI or MGT).

1. For 220V operation, add suffix E to the model number. Example: TSTME
2. Series STJ torque sensors are available in a wide range of capacities, from 10 ozin to 100 lbin (7 Ncm to 1150 Ncm), and mount to the TST / TSTH without extra adapters. Other sensors and mounting adapters are available.
3. Series MGT torque gauges are available in a wide range of capacities, from 10 ozin to 100 lbin (7 Ncm to 1150 Ncm), and mount to the TSTM / TSTMH without extra adapters.