# Data Sheet

## High Capacity Manual Force Test Stands TSF & TSFH

32-1055 REV 1

The TSF test stand is ideal for spring testing, destructive testing, product integrity testing, and other applications requiring up to 1,000 lbF (5,000 N) of push or pull force. The stand features a large side mounted hand wheel requiring minimal user effort and a rigid 3" x 3" column. A removable steel loading surface with threaded holes for fixture and grip mounting adds flexibility for many testing applications, and a solid metal base (TSF) contains a storage pocket and holes for bench mounting. Available in vertical and horizontal orientations.

## Specifications

| | |
|---|---|
| Load capacity: | 1000 lbF [5000 N] |
| Maximum travel: | 4.0 in [102 mm] |
| Loading method: | Side-mounted hand wheel |
| Travel rate: | 0.013 in [0.34 mm] per wheel rev. |
| Weight: | |
| TSF | 33 lb [14.5 kg] |
| TSFH | 27 lb [12.3 kg] |
| Included accessories: | Tool kit, three hooks (small, medium, and large), 2" and 3" compression plates, two couplers (#10-32 and 5/16-18), force gauge mounting hardware |
| Warranty: | 3 years (see individual statement for further details) |

## Optional Equipment

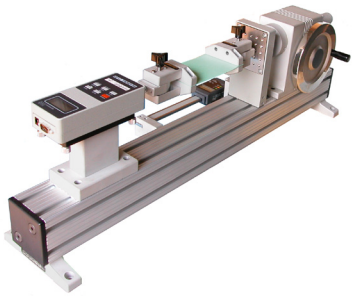
| | |
|---|---|
| Digital travel display TSF001 | 6 in [150 mm] travel, 0.0005 in [0.01 mm] resolution, 0.001 in [0.03 mm] accuracy, SPC output for data collection. |
| Horizontal / wall mounting kit TSF002 | Converts the TSF to a TSFH |
| BGI mounting kit AC1004 | If a BGI indicator with remote sensor is used with the TSF/TSFH, the BGI can be securely mounted to the side of the column with this adapter |

» Digital travel display

TSF

The TSF is shown testing the peel force of a sample, with a Series 5 digital force gauge and digital travel display

TSFH

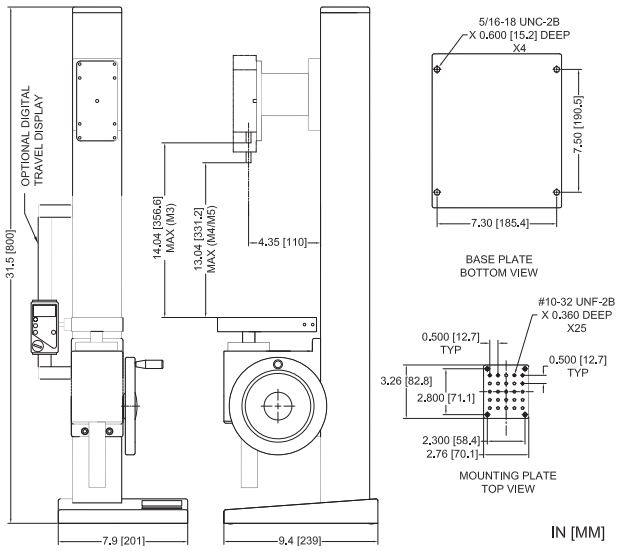


The TSFH is shown in a tensile test, with Series 5 digital force gauge, film and paper grips, and digital travel display

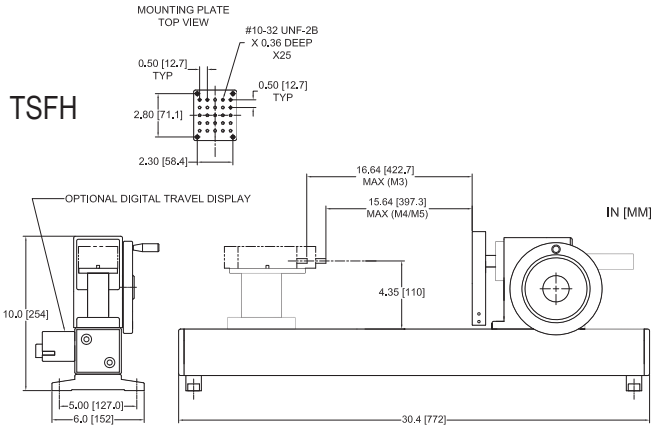
## Dimensions

in [mm]

TSF




TSFH




## Ordering Information

| Model No. | Description |
|---|---|
| TSF | Test stand, hand wheel-operated, 1000 lbF, vertical |
| TSFH | Test stand, hand wheel-operated, 1000 lbF, horizontal |
| TSF001 | Digital travel display for TSF/TSFH |
| TSF002 | Horizontal / wall mounting kit for TSF |
| AC1004 | Mounting kit, BGI to test stand |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3 YEAR WARRANTY


Specifications subject to change without prior notice