## MTH MANUAL TESTER



## METROLOGY SOLUTIONS

The MTH Manual Tester is a single column, manually-operated force tester. The MTH has a load measurement capacity of 550lbf (2500N, 250kgf) and can be used for compression or tensile testing. The mechanical advantage afforded by the MTH-550's precision, high-resolution worm gear design lets you test effortlessly. One rotation of the hand wheel positions the crosshead 0.03" (0.75mm). Total stroke for the MTH-550 is 4" (102mm). Force measurement is performed using a Starrett digital force gage.

The MTH-550 is an ideal, affordable solution for spring testing. Fit the MTH-550 with a digital force gage and optional digital scale to determine spring rates, initial tension and more.

The hand wheel may be positioned anywhere along the 30" (762mm) column, and with a 4" (102mm) throat, large samples can be accurately tested. The base may be permanently affixed to your workbench. Optional gage adapter kits are available for use with non-Starrett force gages. Quick-change clevis adapters let you mount a large selection of Starrett testing fixtures.

### FEATURES

- · Tension or Compression Testing
- Excellent for Cost-Effective Spring Testing
- · Effortless Crosshead Movement
- Precision Worm Gear Design
- Excellent Position Resolution: Single Rotation for 0.03" (0.75mm)
- 30" (762mm) Column Height, 15" (380mm) Working Area
- Adjustable Gage Mounting

DFG Gage on the MTH Manual Tester with optional legs

DFG Gage on the MTH Manual Tester



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MTH - Manual Force Tester, Hand Wheel Control												
	Load Capacity			Crossh	<b>Crosshead Travel</b>		<b>Resolution/Rotation</b>		Throat			Thread
Model Number	Ν	KGF	LBF	in	mm	in	mm	in	mm	lbs	kgs	mm
MTH-550	2500	250	550	4	102	0.03	0.75	4	102	22	10	M10 x 1.5-5H

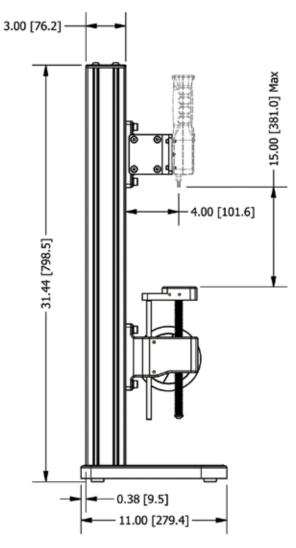
Optional Accessories						
Order Number	Description					
MLX-PLATE-TS-100	Compression Plate, Steel, 100mm diameter					
MLX-H00K-L	Hook Adapter, 550 lbf Load Capacity					
SPK-CLEVIS-L	Clevis Set, Stainless Steel, 550lbf, M10					
SPK-MTLSCALE	Digital Scale Assembly					
MLX-26030	Mounting Legs, for horizontal testing					
L1-Spanner	Spanner Wrench for Clevis Sets					
MLX-PIN-A	Grip Pin, Aluminum					
MLX-PIN-S	Grip Pin, Stainless Steel					

#### Force Gage Adapter Kits

Order Number	Description						
SPK-FG-CHAT	Mounting Kit for Chatillon Force Gages						
SPK-FG-MARK	Mounting Kit for Mark-10 Force Gages						
SPK-FG-SHIM	Mounting Kit for Shimpo Force Gages						
SPK-FG-IMAD	Mounting Kit for Imada Force Gages						
SPK-FG-MECM	Mounting Kit for Mecmesin Force Gages						
Please consult with your Starrett representative when ordering Force Gage Adapter Kits to ensure							

model compatibility.

### DIMENSIONS



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