

MT150 Series

Modular Mechanical Test Stands

The MT150 Series mechanical test stands are an easy-to-use solution for force measurement applications up to 150 lbf (660 N) capacities. The test stand can be equipped with a quick-action lever or precision handwheel for controlling crosshead speed and travel. The MT150 test stand can be bench-mounted, wall-mounted or positioned horizontally. Vertical clearances are available from 750mm (29 inch), 1000mm (39 inch) and 1500mm (60 inch). Standard stroke is 6 inches (150mm). Larger stroke is available as a special by extending the length of the precision rack.

The MT150 Series features an innovative design that maximizes working space and that simplifies operation and maintenance. The single column design with 150mm (6 in) throat is ideal for large specimens. The removable platen is designed to accommodate metric and imperial threaded fixtures. Special gauge adapter kits simplify gauge alignment. Options include a column ruler, graduated in millimeters and inches or premium digital travel indicator with resolution to 0.0005 inches (0.01mm).

Features

- For Tensile or Compression Testing
- Large Working Area
 - 150mm (6 in) Throat for Large Specimens
 - Universal Fixturing (Metric or Imperial)
 - 150mm (6 in) Stroke (Larger strokes available)
- Modular Design
 - Bench, Horizontal or Wall Mounted
 - Lever or Handwheel Operation
 - Multiple Travel Lengths
 - Kits for Field Modifications



Specifications

Capacities:

MT-150	150 lbf (660 N)
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Loading Method:

Quick-Action Lever or Precision Handwheel

Travel Rates:

Lever Revolution	75mm (3 in) per
Handwheel Revolution	12mm (0.5 in) per

Vertical Clearance:

Standard	750mm (29.5 inch)
Extended	1000mm (39.4 inch)
Ultra	1500mm (59 inch)

Stroke:

6 inch (150mm)
Longer strokes available.



Standard 150 lbf tester with handwheel actuator. Shown with optional DFT Series force gauge.



Standard 150 lbf tester with lever actuator. Shown with optional DFT Series force gauge.

MT Series Ordering Information

Order No.	Description
MT150L	CHATILLON MT Series Mechanical Tester, 150 lbf (660 N), Lever Actuated
MT150H	CHATILLON MT Series Mechanical Tester, 150 lbf (660 N), Handwheel Actuated
	BASE Model Number - 1st thru 5th Characters
	Standard, 750mm (29.5 in)
	Extended, 1000mm (39.4 in)
	Ultra, 1500 mm (59 in)
	Travel Length - 6th Character
	S Standard, 750mm (29.5 in)
	E Extended, 1000mm (39.4 in)
	U Ultra, 1500 mm (59 in)
	Force Gauge Mounting Kit - 7th Character
	1 DPP, LG, DFGS and DFA Series Force Gauge
	2 DPPH, DFIS Series Force Gauge
	3 DFM Series Force Gauge
	4 DFT Series Force Gauge
	X Not Required
	Mounting Style - 8th Character
	V Bench Vertical Mounting
	H Bench Horizontal and Wall Mounting
	Options - 11th thru 13th Characters
	1 Digital Travel Indicator
	2 Ruler Assembly
	X None required
MT150L S 1 V 1	

Sample Order Number

MT150LS1V1

CHATILLON MT150 Series (150 lbf), standard 750mm (29 in) travel with mounting kit for a LG Series force gauge. Vertical bench mounting style with lever operation. Optional digital travel indicator supplied.

MT Series Accessories

Gauge Adapter Kits	Availability	Part No.	Notes
DPP, LG, DFGS, DFA Series	Optional	SPK-MT-0001	Specify with Stand or Order Separately
DPPH, DFIS Series	Optional	SPK-MT-0002	Specify with Stand or Order Separately
DFM Series	Optional	SPK-MT-0003	Specify with Stand or Order Separately
DFT Series	Optional	SPK-MT-0004	Specify with Stand or Order Separately
REMOTE Series (DFGS-R or DFA-R)	Optional	SPK-MT-REMOTE	Specify with Stand or Order Separately

Test Stand Accessories	Capacity	Availability	Part No.	Notes
Hex Key, 6mm		Standard	NC000714	
Hook, Stationary 5/16-18F	150 lbf	Standard	SPK-FMG-012C	
Compression Platen, 3"		Standard	17012	
Set Screw, 5/16-18 x 1"		Standard	NC002686	
Adapter, 5/16-18M to #10-32F		Standard	P-10020	
Coupling, 1/4-28F to 5/16-18F		Standard	13048	
Eye End Adapter, 5/16-18F		Standard	ADT/0115	
Set Screw, #10-32 x 3/4"		Standard	3157	
Digital Travel Indicator		Optional	SPK-MT-DIGITAL	Specify with Stand or Order Separately
Ruler Assembly		Optional	SPK-MT-RULER	Specify with Stand or Order Separately

Miscellaneous	Availability	Part No.	Notes
Operators' Manual	Standard	NC002660	

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