



## MT Series Mechanical Test Stands

Easy-to-use solution for force measurement applications  
up to 500 lbf (2.5 kN)

# Features and Specifications

## Lever or Handwheel

The test stand may be equipped with a quick-action lever or precision handwheel for controlling crosshead speed and travel.

## Mount it anywhere

The test stand can be bench mounted, wall mounted, or positioned horizontally.

## Simple but useful design

Maximum workspace, simplified operation and low maintenance were key factors to the MT Series innovative design. The 150 mm (6 inch) throat makes the MT Series excellent for testing large specimens, and the removable plate is designed to accommodate metric as well as imperial threaded fixtures.

## Options to enhance

Options to enhance your test stand include; digital travel indicator, capable of displaying travel up to 0.01mm (0.0005 inch) or column ruler graduated both in inches and millimeters



Specifications	MT150	MT500
Load Capacity	150lbf (660N)	500lbf (2.5kN)
Column Heights	Standard: 750 mm Extended: 1000 mm Ultra: 1500 mm	
Stroke	6 in / 152 mm - Longer strokes available	
Travel Rates	Lever Actuator: 75 mm per Revolution Handwheel Actuator: 12 mm per Revolution	
Load Measurement	Chatillon DF II Series Gauge	
Operating Temp.	40 to 110°F / 5 to 45°C	
Instrument Weight	30lbs / 14kg (MT150)   33lbs / 15kg (MT500)	
Shipping Weight*	33lbs / 35lbs / 16kg (MT150)   38lbs / 18kg (MT500)	

\* Approximate weight

The Chatillon MT Series manual test stand is a flexible, easy-to-use solution for force measurement. It comes in two versions: the MT150 and the MT500.

This manual test stand is ideal for tensile testing, compression testing, peel, and flexural testing.

The MT Series manual test stands are often used with the DF Series digital force gauges to check the force necessary to depress a button, or with the LG/DG mechanical gauge to perform low range pull tests at the end of a production line where caps are placed on spray bottles. These test stands are commonly used to test the force in the Packaging Industry as for folding cardboard boxes to into shape.

The MT Series test stand comes with; a hook, compression plate, threaded and eye end type adapters. Gauge mounting hardware is optional.

# Ordering

Base Model Number	
MT500L / MT150L	MT Series, Lever Actuated
MT500H / MT150H	MT Series, Handwheel Actuated

  

Column Height	
S	Standard, 750 mm / 29.5 in
E	Extended, 1000 mm / 39.4 in
U	Ultra, 1500 mm / 60 in

  

MT-150 Only - Force Gauge Mounting Kit	
1	LG and DF Series Force Gauge Models
2	DG Force Gauge Model
X	When installing SPK-MT-Remote-Optional

  

MT-500 Only - Force Gauge Mounting Kit	
1	DG series
2	DFIS and DPPH Series Force Gauge Models
3	DF2 and DF3 Series Force Gauge Models
X	Installing SPK-MT-REMOTE or SPK-MT-0001

  

Mounting Style	
B	Bench, Vertical Mounting
H	Bench, Horizontal and Wall Mounting

  

Options	
1	Digital Travel Indicator
2	Ruler Assembly (Imperial/Metric Graduations)
X	Not Required

  

**MT500L S 1 B 1**

Sample Order Number:  
 CHATILLON MT500 Series, standard 750mm  
 (29.5 in) travel with LG /DFII Series mounting kit. Vertical bench  
 mounting style with lever actuator. Optional digital travel  
 indicator.

Accessories			
Part No.	Description	MT150	MT500
SPK-FMG-012C	Hook, 500lb		■
SPK-FMG-012B	Hook, 150lb	■	
17012	Compression Plate, 3" Diameter	■	■
P-10020	Thread Adapter, 5/16-18 to #10-32	■	■
NC000714	Hex Key, 6mm	■	■
3157	Set Screw, #10-32 x 3/4"	■	■
13048	Coupling, 1/4-28 to 5/16-18	■	■
ADT/0115	5/8" Eye End Adapter	■	■
SPK-MT-Digital	Digital Travel Indicator	●	●
SPK-MT-Ruler	Ruler Assembly	●	●
SPK-MT-Remote	Remote Load Cell Kit	●	
SPK-MT-REM500	Remote Load Cell Kit		●
SPK-MT-Wall-Horz	Wall Mounting Kit	●	●

Standard Accessory = ■  
 Optional Accessory = ●

Mounting Kits		
Gauge	MT150	MT500
LG series	SPK-MT-0001	SPK-MT-0001
DG series	SPK-MT-0005	SPK-MT-0005
DFX series	SPK-MT-0001	SPK-MT-0004
DFE series	SPK-MT-0001	SPK-MT-0004
DFS series	SPK-MT-0001	SPK-MT-0004
DFS II-R	SPK-MT-Remote	SPK-MT-REM500
DFS II-R-ND	SPK-MT-Remote	SPK-MT-REM500



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