

MT500 Series Mechanical Tester (562 lbf, 2500 N)

Specification Sheet SS-FM-3126-0904 September 2004

The MT500 Series mechanical test stand is an easy-to-use solution for force measurement applications up to 562 lbf (2.5 kN) capacities. The test stand may be equipped with a quick-action lever or precision handwheel for controlling crosshead speed and travel. The MT500 test stand can be bench mounted, wall mounted or positioned horizontally. Vertical clearances are available from 750mm (29.5 inch) up to 1500mm (60 inch). Standard stroke is 6 inches (150 mm), although longer strokes can be accommodated as a special order.

The MT500 Series features an innovative design that maximizes working space and 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 make gauge alignment automatic. Options include a digital travel indicator, capable of displaying travel up to 0.01mm (0.0005 inch) and column ruler which is graduated in millimeters and inches. The MT500 Series includes hook, compression plate, adapters and gauge mounting hardware.

Features

Large Working Area

- 150mm (6 in) Throat for Large Specimens
- Universal Fixturing (Metric or Imperial)
- 150mm (6 in) Full Crosshead Travel
- Modular Design
 - Bench, Horizontal or Wall Mounted
 - Lever or Handwheel Operation
 - Multiple Travel Lengths
- 2 Year Warranty

Specifications

Capacity: Loading Method: Travel Rates: Lever Handwheel Column Height: Standard Extended Ultra Maximum Stroke:

Weight:

562 lbf (2.5 kN) Quick-Action Lever or Handwheel

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

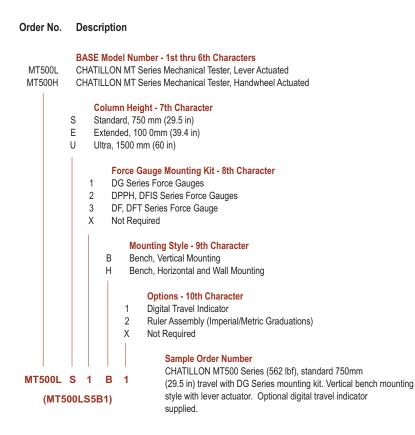
750mm (29.5 inch) 1000mm (39.4 inch) 1500mm (59 inch) 150mm (6 in) *Longer Strokes available Approx. 22 lbs (10 kg)

> MT500L Lever-Actuated Tester with DFS Series force gauge. performing capsule crush test.



You Get More with Your CHATILLON Gauge.

Ordering



Standard Accessories

Order No.	Description
NC002660	User's Manual
NC000714	Hex Key, 6mm
SPK-FMG-012C	Hook, Stationary
17012	Platen, 3-inch diameter
NC002686	Set Screw, 5/16-18 x 1 inch
13048	Coupling, 1/4-28 to 5/16-18
ADT/0115	Eye End Adapter, 5/8-inch

Optional Accessories

Order No.	Description
SPK-MT-Digital	Digital Travel Indicator (May be ordered as part of stand)
SPK-MT-Ruler	Ruler Assembly (May be ordered as part of stand)
SPK-MT-0001	Gauge Mounting Kit, DPP, LG, DFGS, DFA Force Gauges
SPK-MT-0002	Gauge Mounting Kit, DPPH, DFIS Force Gauges
SPK-MT-0003	Gauge Mounting Kit, DFM Force Gauge
SPK-MT-0004	Gauge Mounting Kit, DFT Force Gauge
SPK-MT-0005	Gauge Mounting Kit, DG Force Gauge
SPK-MT-REMOTE	Gauge Mounting Kit, REMOTE Series Loadcells
SPK-MT-Wall-Horz	Wall/Horizontal Mounting Kit Assembly
SPK-MT-L500	Lever Actuator Assembly Module
SPK-MT-H500	Handwheel Actuator Assembly Module



Americas

AMETEK TCI Division 8600 Somerset Drive Largo, Florida 33773 United States of America Tel +1-727-536-7831 Tel +1-800-527-9999 Fax +1-727-539-6882 Email chaltillon.fl-ar@ametek.com France AMETEK Lloyd Instruments SAS 3 avenue des Coudriers Zone d'Activite de l'Observatoire 78180 Montigny-Le-Bretonneux France Tel 4331-3057-4774 Fax +33-1-3057-5033

Email general@lloyd-instruments.

 Germany

 AMETEK GmbH

 Rudolf-Diesel-Strasse 16

 D-40670 Meerbusch

 Germany

 Tel
 +49-0-2159-9136-70

 Fax
 +49-0-2159-9136-80

 Email apie@ametek.dr

 Singapore

 AMETEK Singapore Pvt. Ltd.

 10 Ang Mo Kio Street 65

 #05-12 Techpoint

 Singapore 569059

 Tel + 65-484-6538

 Fax + 65-481-6558

 Email aspl@ametek.com.sg

AMETEK Lloyd Instruments Ltd. Forum House, 12 Barnes Wallis Rd Segensworth East Fareham Hampshire PO15 5TT United Kingdom Tel +44-0-1489-574221 Fax +44-0-1489-885118 Email uk-far_general@ametek.co.uk

For the authorized Chatillon Distributor or Manufacturer's Representative near you, go to www.chatillon.com

United Kingdom



ISO 9001/2000 ISO/IEC17025 Manufacturer

Visit Us on the Worldwide Web at: www.chatillon.com

© 2004 by AMETEK, Inc. Information within this document is subject to change without notice.