

TD5 Series Mechanical Dynamometer

The CHATILLON® TD5 Series mechanical dynamometer may be used as a weighing tensiometer or crane scale. This precision weighing instrument features an easy-to-read 5-inch (127 mm) dial face with shatter-resistant dial cover in a strong aluminum housing. Available with pound or kilogram dial face, the TD5 Series accuracy is better than 1% of full scale. A manually engaged clutch “freezes” the pointer at its maximum reading for exact reading of peak weight. Needle bearings in shackles prevent brinneling under heavy loads and eliminate shackle misalignment. Mechanism sealed against dust and dirt. Oiling not required. Dynamometer is supplied with a Certificate of Calibration with Data traceable to NIST.

Features

- ❑ Pound or Kilogram Dials
 - Capacities up to 20,000 lb (10,000 kg)
- ❑ Rugged Cast Aluminum Housing
- ❑ Large, 5-inch (127 mm) Easy-to-Read Dial with Shatter-resistant Dial Cover, Anti-Parallax
- ❑ Maximum Reading Button
- ❑ Calibration traceable to NIST
- ❑ 4:1 Ultimate Safety Factor
- ❑ 2 Year Warranty
- ❑ Certificate of Calibration with NIST Data

Specifications

- Accuracy:** ±1% of Full Scale
Maximum Overload: 125% of Rated Capacity
Tare Capacity: 20% of Rated Capacity
Dial Revolutions: Full Scale in 1 Revolution
Dial Resolution: 100:1
Operating Temperature: -50°F to 140°F (-45°C to 60°C)



Shown with Optional Face Guard

Ordering

Scale with Shackles

Model	Capacity	Length
TD5-00500	500 x 5 lb	13-1/4 in (337 mm)
TD5-01000	1000 x 10 lb	13-1/4 in (337 mm)
TD5-02000	2000 x 20 lb	13-1/4 in (337 mm)
TD5-05000	5000 x 50 lb	13-1/4 in (337 mm)
TD5-10000	10000 x 100 lb	15 in (381 mm)
TD5-20000	20000 x 200 lb	15 in (381 mm)

TD5-00500K	500 x 5 kg	13-1/4 in (337 mm)
TD5-01000K	1000 x 10 kg	13-1/4 in (337 mm)
TD5-02000K	2000 x 20 kg	13-1/4 in (337 mm)
TD5-05000K	5000 x 50 kg	15 in (381 mm)
TD5-10000K	10000 x 100 kg	15 in (381 mm)

Add suffix “FG” after model if optional face guard is required.

With Eye Hook

Model	Capacity	Length
TD5-00500-EH	500 x 5 lb	19-13/16 in (503 mm)
TD5-01000-EH	1000 x 10 lb	19-13/16 in (503 mm)
TD5-02000-EH	2000 x 20 lb	19-13/16 in (503 mm)
TD5-05000-EH	5000 x 50 lb	19-13/16 in (503 mm)
TD5-10000-EH	10000 x 100 lb	26-5/16 in (668 mm)
TD5-20000-EH	20000 x 200 lb	26-5/16 in (668 mm)

TD5-00500K-EH	500 x 5 kg	19-13/16 in (503 mm)
TD5-01000K-EH	1000 x 10 kg	19-13/16 in (503 mm)
TD5-02000K-EH	2000 x 20 kg	19-13/16 in (503 mm)
TD5-05000K-EH	5000 x 50 kg	26-5/16 in (668 mm)
TD5-10000K-EH	10000 x 100 kg	26-5/16 in (668 mm)

Add suffix “FG” after model if optional face guard is required.

With Swivel Hook

Model	Capacity	Length
TD5-00500-SH	500 x 5 lb	21-1/2 in (546 mm)
TD5-01000-SH	1000 x 10 lb	21-1/2 in (546 mm)
TD5-02000-SH	2000 x 20 lb	21-1/2 in (546 mm)
TD5-05000-SH	5000 x 50 lb	21-1/2 in (546 mm)
TD5-10000-SH	10000 x 100 lb	28-3/8 in (721 mm)
TD5-20000-SH	20000 x 200 lb	28-3/8 in (721 mm)

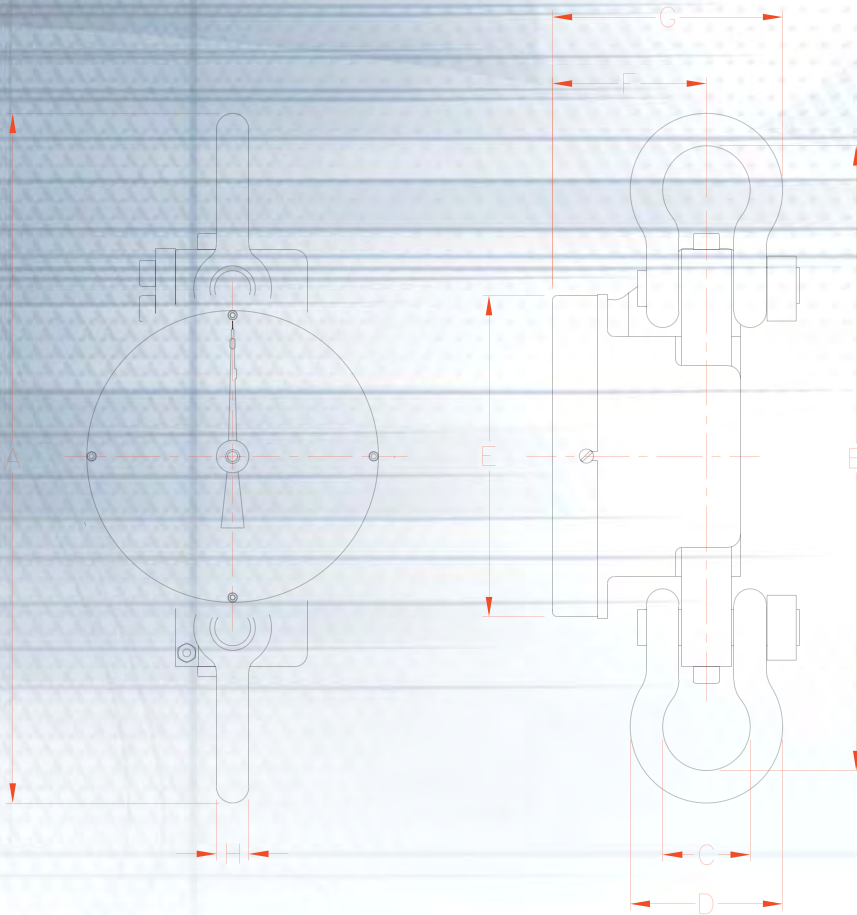
TD5-00500K-SH	500 x 5 kg	21-1/2 in (546 mm)
TD5-01000K-SH	1000 x 10 kg	21-1/2 in (546 mm)
TD5-02000K-SH	2000 x 20 kg	21-1/2 in (546 mm)
TD5-05000K-SH	5000 x 50 kg	28-3/8 in (721 mm)
TD5-10000K-SH	10000 x 100 kg	28-3/8 in (721 mm)

Add suffix “FG” after model if optional face guard is required.

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Dimensions



Dimensions with Shackles

Capacity	A	B	C	D	E	F	G	H	
500 - 5000	(inch)	13-1/4	12	1-11/16	3	11-3/4	3-1/8	4-9/16	5/8
	(mm)	337	305	43	76	298	79	116	16
10,000 - 20,000	(inch)	15	13-1/4	1-7/16	3-1/4	11-3/4	3-1/8	4-3/4	7/8
	(mm)	381	337	37	83	298	79	121	22

Accessories

Part No.	Description
13400	Eye Hook (500 - 5000 lb)
13401	Eye Hook (10,000 - 20,000 lb)
13404	Swivel Hook (500 - 5000 lb)
13405	Swivel Hook (10,000 - 20,000 lb)
16078-1	Wire Face Guard
20548	Carrying Case, Metal

Notes:

Dynamometers with "EH" come standard with Eye Hook.
 Dynamometer with "SH" come standard with Swivel Hook.
 Add suffix "FG" after the model number if you require the Wire Face Guard.
 Carrying Case must be ordered separately.



Optional Carrying Case



Eye Hook - EH



Swivel Hook - SH



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ISO 9001/2000
 Manufacturer

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