Comparison Chart - Test Stands

Model	Capacity lbF [N]	Maximum travel[1] in [mm]	Loading method	Travel rate in [mm]	Daylight[2] in [mm]	Included accessories
ES05	30 [150]	1.5 [38]	Lever	-	8 [203][3]	-
ES10	100 [500]	9 [229]	Lever	1.050 [26.7] / lever rev.	9 [229][3]	-
ES20			Top-mounted hand wheel	0.083 [2.1] / wheel rev.		
ES30	200 [1000]	13 [330]	Side-mounted hand wheel	0.05 [1.3] / wheel rev.	14 [356][3]	Tool kit[8], extension rod (G1031-1), small hook (G1028), medium hook (G1038), #10-32 coupler (G1039), 2" compression plate (G1009)
TSA	750 [3750]	w/stops: 2.75 [70] w/o stops: 6 [152]	Rack & pinion, lever can be positioned in 30° increments	3.00 [76.2] / lever rev.	10.5 [267][3]	Tool kit[8], medium hook (G1038), large hook (G1035), 2" compression plate (G1009)
TSAH					14.5 [368][3]	
TSB	100 [500]				13 [330]	-
TSC	1000 [5000]	3.5 [89]	Inline hand wheel	0.10 [25.4] / wheel rev.	10 [254][3]	Tool kit[8], medium hook (G1038), large hook (G1035), 2" compression plate (G1009)
TSCH					13 [330][3]	
TSF		4 [102]	Side-mounted hand wheel	0.013 [0.34] / wheel rev.	14 [356][3]	Tool kit[8], small hook (G1028), medium hook (G1038), large hook (G1035), 2" and 3" compression plates (G1009, G1009-1), #10-32 coupler (G1039), 5/16-18 coupler (G1037)
TSFH					16.5 [419][3]	
TSFM500	500 [2500]		Motorized	0.2 - 5.5 [5 - 140] / min	14 [356][3]	
TSFM500H					16.5 [419][3]	
ESM300	300 [1500][7]	12.5 [317]	Motorized, programmable	0.02 - 45 [0.5 - 1100][7] / min	14 [356][3]	Tool kit[8], extension rod (G1031-1), small hook (G1028), medium hook (G1038), #10-32 coupler (G1039), 2" compression plate (G1009)
ESM	200 [1000]	13 [330]	Motorized	0.5 - 13 [13 - 300] / min	14 [356][3]	
ESMH	50 [250]			0.2 - 50 [5 - 1270] / min	13 [330]	
TST	100 lbin [11.3 Nm]	Angular travel: ∞, at 2° resolution Slider travel: 15.5 [394][6] Slider rate: 1.047 [26.6] / lever rev.[6]	Side-mounted hand wheel	12° / wheel rev.	15 [381][3,7]	Tool kit[8]
TSTH					16 [406][3,7]	
TSTM			Motorized	0.3 - 8.6 RPM [4 - 52° / s]	13 [330][3,7]	
TSTMH					16 [406][3,7]	

1. Maximum travel depends on the grips or fixtures used during testing. The dimensions indicate distances without the use of grips or fixtures.

2. The clearance between the bottom of a mounted force gauge or sensor and the loading surface of the stand. This distance will be less if grips or fixtures are used. The numbers in this chart are approximate. If your test sample size is very close to the daylight figure above (or daylight less grip(s) or fixture(s)), a column extension may be necessary.

3. Longer columns available.

4. All force test stands include force gauge mounting screws.

5. All torque test stands include an adapter to secure the Series STJ torque sensor during testing. Adapters are also available for other torque sensors.

6. The slider is intended for engaging and disengaging samples. The torque sensor adapter is mounted to the slider.

7. With use of a Series STJ torque sensor.

8. Tool kit consists of a set of Allen keys for test stand adjustments, assembly, and disassembly.

9. Force capacity is limited to 200 lb [1000 N] beyond 24 in [610 mm] / min.