

MANUAL FORCE TESTERS

MTL MANUAL TESTERS

The MTL Manual Testers are single column, manually-operated force testers. These testers operate with a quick-action lever in either tension or compression directions. Two models are available- the MTL-110 and MTL-330. Force measurement is performed using a Starrett DFC or DFG digital force gage.

MTL-110

The MTL-110 can measure force up to 110lbf (500N, 50kgf). This tester is ideal for component testing and its compact design fits small work spaces. The MTL-110 has a 6" (152mm) stroke. The tester's quick-action lever moves the rack and pinion crosshead 3" (76mm) per revolution. The lever may be positioned anywhere along the 20" (508mm) column, and with a 6" (152mm) throat, large samples can be accurately tested. Options include a digital scale for measuring deflection distance. The base adapter adjusts to accommodate different gage models.

MTL-330

The MTL-330 can measure force up to 330lbf (1500N, 150kgf). This tester can be used for tensile and compression testing applications, and is ideal for spring testing. Fit the MTL-330 with a Starrett digital force gage and optional digital scale to determine spring rates, initial tension and more. The MTL-330 can be easily mounted to your workbench for secure testing.

Like the MTL-110, the quick-action lever moves the rack and pinion crosshead 3" (76mm) per revolution. The lever may be positioned anywhere on the 30" (762mm) column, and with a 4" (102mm) throat, large samples can be accurately tested. Optional gage adapter kits are available for use with non-Starrett force gages.

The MTL may be equipped with optional legs so that you can test in a horizontal position.

FEATURES

- Two Capacities: 110lbf, 330lbf (500N, 1500N)
- Compact Design is Ideal for Lean Manufacturing Environments
- Lever-type, Quick-action Crosshead Movement
- Precision Rack and Pinion
- Excellent Position Resolution: Single Rotation for 3" (75mm)
- Adjustable Gage Mounting



MTL Series - Manual Force Tester, Lever Control												
Model Number	Load Capacity			Crosshead Travel		Resolution/Rotation		Throat		Weight		Thread
	N	KGF	LBF	in	mm	in	mm	in	mm	lbs	kgs	
MTL-110	500	50	110	6	152	3	76	4	102	18	8.2	M6, #10-32
MTL-330	1500	150	330	6	152	3	76	4	102	20	9.1	M10