

ASTM & AASHTO LOW CAPACITY MANUEL COMPRESSION TESTING MACHINES FOR CYLINDERS

Product Code

UTC-4701.MLP	600 kN Manual Compression Testing Machine with Ø105 mm Bearing Blocks for Cylinders ASTM & AASHTO
UTC-4711.MLP	1500 kN Manual Compression Testing Machine with Ø105 mm Bearing Blocks for Cylinders ASTM & AASHTO
UTC-4702.MLP	600 kN Manual Compression Testing Machine with Ø165 mm Bearing Blocks for Cylinders ASTM & AASHTO
UTC-4712.MLP	1500 kN Manual Compression Testing Machine with Ø165 mm Bearing Blocks for Cylinders ASTM & AASHTO
UTC-4680	Pedestal for 600 kN, 1000 kN and 1500 kN Compression Testing Frames with Welded Walls

Standards

ASTM C39, C42

The UTEST 600 kN and 1500 kN capacity Manual Compression Testing Machines are designed to perform reliable compression tests on concrete specimens especially suitable for on-site applications when electric power supply is unavailable.

Being a low cost alternative, the UTEST manual testing series combines precision and simplicity with the unique design of the manual power pack which is hand operated and enables even an inexperienced operator to perform excellent compression and flexure tests on-site.

The machines are supplied in Class A starting from with the 5 % of the machine capacity.

With their exceptional performance, the machines consist of a heavy duty welded frame and hand operated hydraulic power pack with LPI Battery Operated Digital Readout Unit.

UTC-4680 Pedestal that are made of steel to facilitate the user's placement of specimens in the frames for compression test should be ordered separately.



UTC - 4701.MLP



UTC - 4712.MLP



UTC-4680



UTC - 4702.MLP



UTC - 4711.MLP

ASTM & AASHTO LOW CAPACITY MANUEL COMPRESSION TESTING MACHINES FOR CYLINDERS

Models	UTC-4701.MLP	UTC-4711.MLP	UTC-4702.MLP	UTC-4712.MLP
Capacity	600 kN (135 klbf)	1500 kN (337 klbf)	600 kN (135 klbf)	1500 kN (337 klbf)
Frame Type	Welded Steel	Welded Steel	Welded Steel	Welded Steel
Lower Bearing Block, Dimensions (D)	Ø 105 mm	Ø 105 mm	Ø 165 mm (6.5")	Ø 165 mm (6.5")
Upper Bearing Block, (With Spherically Seating Assembly) Dimensions (C)	Ø 105 mm	Ø 105 mm	Ø 165 mm (6.5")	Ø 165 mm (6.5")
Surface Hardness of Bearing Blocks	55 HRC	55 HRC	55 HRC	55 HRC
Flatness Tolerance	0,02 mm	0,02 mm	0,02 mm	0,02 mm
Piston Diameter	150 mm	230 mm	150 mm	230 mm
Piston Stroke	50 mm	50 mm	100 mm	100 mm
Maximum Vertical Clearance Between Bearing Blocks (E)	340 mm	370 mm	340 mm	370 mm
Horizontal Clearance (B)	230 mm	320 mm	230 mm	320 mm
For Cylinder Sizes	Ø100x200 mm (4"x8")	Ø100x200 mm (4"x8")	Ø100x200 mm (4"x8") Ø150x300 mm (6"x12") (**)	Ø100x200 mm (4"x8") Ø150x300 mm (6"x12") Ø160x320mm
Power	550 W	550 W	550 W	550 W
Oil Capacity	20 L	20 L	20 L	20 L
Maximum Working Pressure	340 Bar	362 Bar	340 Bar	362 Bar
Dimensions (w x l x h) (A x d x F)	590x500x800 mm	680x500x930 mm	590x500x800 mm	680x500x930 mm
Weight	380 kg	585 kg	385 kg	590 kg
Pedestal (Optional)	UTC-4680	UTC-4680	UTC-4680	UTC-4680

(d*) Depth

(**) Limited by capacity of the frame

The Machines are supplied complete with;

- UTC-4701.MLP and UTC-4702.MLP : 90 mm, 50 mm, 30 mm height x Ø165 mm distance pieces
- UTC-4711.MLP and UTC-4712.MLP : 90 mm, 50 mm, 2 pcs. 30 mm height x Ø165 mm (6.5") distance pieces
- Removable transparent front and rear safety doors