



ASTM COMPRESSION TESTING FRAMES FOR BLOCKS

Product Code

- UTC-4706 1100 kN (245000 lbf) Compression Testing Frame for Blocks, ASTM
- UTC-4716 1500 kN (335000 lbf) Compression Testing Frame for Blocks, ASTM
- UTC-4726 2000 kN (450000 lbf) Compression Testing Frame for Blocks, ASTM
- UTC-4736 3000 kN (670000 lbf) Compression Testing Frame for Blocks, ASTM
- UTC-4680 Pedestal for 600kN (135000 lbf), 1100kN (245000 lbf) and 1500 kN(335000 lbf) Compression Testing Frames
- UTC-4682 Pedestal for 2000 kN (450000 lbf) and 3000 kN (670000 lbf) Compression Testing Frames



UTC-4629



UTC-4726

Standards

ASTM C140, C1314

ASTM & AASHTO compression testing frames for blocks consist of a rigid welded steel walls, a loading cylinder assembly and lower and upper (spherically-seated) bearing platens.

The frames provide the stability needed for accurate and repeatable test results over the years of operation.

Any hydraulic power pack with control and read out unit and a pressure transducer for measuring the loads, can be positioned on the right hand side of the load frame for easier accessibility, increased productivity and for safer operations.

All frames have a single acting up stroking ram and also have front and rear protective doors and limit switch for piston stroke for safety. The diameter of the pistons are designed to work with the load capacity. The lower bearing platens are provided with centering line/s

UTC-4680 and UTC-4682 Pedestals that are made of steel to facilitate the user's placement of specimens in the frames for compression test should be ordered separately.

See the below tables for supplied items with the frames.

ASTM COMPRESSION TESTING FRAMES FOR BLOCKS

Models	UTC-4706	UTC-4716	UTC-4726	UTC-4736
Capacity	1100 kN (245000 lbf)	1500 kN (245000 lbf)	2000 kN (450000 lbf)	3000 kN (670000 lbf)
Frame Type	Welded Steel	Welded Steel	Welded Steel	Welded Steel
Lower Bearing Block, Dimensions (D)	310x410x90 mm (12.2"x16.1"x3.5")	310x410x90 mm (12.2"x16.1"x3.5")	310x410x90 mm (12.2"x16.1"x3.5")	310x410x90 mm (12.2"x16.1"x3.5")
Upper Bearing Block, (With Spherically Seating Assembly) Dimensions (C)	310x410x90 mm (12.2"x16.1"x3.5")	310x410x90 mm (12.2"x16.1"x3.5")	310x410x90 mm (12.2"x16.1"x3.5")	310x410x90 mm (12.2"x16.1"x3.5")
Surface Hardness of Bearing Blocks	60 HRC	60 HRC	60 HRC	60 HRC
Flatness Tolerance	0,025 mm / 150 mm (0,001"/"6")	0,025 mm / 150 mm (0,001"/"6")	0,025 mm / 150 mm (0,001"/"6")	0,025 mm / 150 mm (0,001"/"6")
Piston Diameter	230 mm (9,06")	230 mm (9,06")	250 mm (9,84")	300 mm (11,8")
Piston Stroke	50 mm (1,97")	50 mm (1,97")	50 mm (1,97")	50 mm (1,97")
Maximum Vertical Clearance Between Bearing Blocks (E)	250 mm (9,84")	250 mm (9,84")	250 mm (9,84")	250 mm (9,84")
Horizontal Clearance (B)	320 mm (12,6")	320 mm (12,6")	360 mm (14,17")	415 mm (16,34")
Dimensions (wxlxh) (Axd*xF) (d*) Depth	380x451x1104mm (14,96"x17,76"x43,86")	380x451x1104mm (14,96"x17,76"x43,86")	420x453x1144 mm (16,54"x17,83"x45,04")	475x497x1204mm (18,7"x19,57"x47,4")
Weight	723 kg (1595 lbs)	723 kg (1595 lbs)	810 kg (1785 lbs)	1032 kg (2275 lbs)
Pedestal (Optional)	UTC-4680	UTC-4680	UTC-4682	UTC-4682

The frames are supplied complete with;

- 50 mm (1,97"), 30 mm (1,2"), 15 mm (0,59") height x Ø205 mm (Ø8,07") distance pieces
- Scissor Jack for Loading Platens/Bearing Blocks, (UTC-4629)
- Removable transparent front and rear safety doors
- The front safety doors have an automatic safety device to stop the machine if the door is opened during a test