

GENERAL PURPOSE AND EN 772-1 COMPRESSION TESTING FRAMES FOR MASONARY UNITS/BLOCKS, CUBES AND CYLINDERS

Product Code

UTC-4714GE 1500 kN General Purpose and EN 772-1 Compression Testing Frame for Masonary Units/Blocks, Cubes and Cylinders

UTC-4729GE 2000 kN General Purpose and EN 772-1 Compression Testing Frame for Masonary Units/Blocks, Cubes and Cylinders

UTC-4739GE 3000 kN General Purpose and EN 772-1 Compression Testing Frame for Masonary Units/Blocks, Cubes and Cylinders

UTC-4680 Pedestal for 600 kN, 1100 kN and 1500 kN Compression Testing Frames with Welded Walls

UTC-4682 Pedestal for 2000 kN and 3000 kN Compression Testing Frames with Welded Walls

UTC-4714GE, UTC-4729GE and UTC-4739GE, general purpose testing frames for masonry units/blocks cubes and cylinders consist of a rigid welded steel walls, a loading cylinder assembly and a lower and an upper (spherically-seated) loading platens by taking into account user requests for general purposes.

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.

The frames also have front and rear protective doors and limit switch for piston stroke for safety.

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 frame.



UTC-4729GE

Models	UTC-4714GE	UTC-4729GE	UTC-4739GE
Capacity	1500 kN	2000 kN	3000 kN
Frame Type	Welded Steel	Welded Steel	Welded Steel
Bearing Platens Dimensions (D)	220x410x50 mm	310x510x50 mm	310x510x50 mm
Upper Bearing Block, (With Spherically Seating Assembly) Dimensions (C)	220x410x50 mm	310x510x50 mm	310x510x50 mm
Surface Hardness of Bearing Blocks	55 HRC	55 HRC	55 HRC
Flatness Tolerance	0,05 mm	0,05 mm	0,05 mm
Piston Diameter	230 mm	250 mm	300 mm
Piston Stroke	50 mm	50 mm	50 mm
Maximum Vertical Clearance Between Bearing Blocks (E)	340 mm	330 mm	330 mm
Horizontal Clearance (B)	320 mm	360 mm	415 mm
Specimens Sizes (Masonry units/blocks)	Up to 200x400 mm	Up to 300x500 mm	Up to 300x500 mm
Specimens Sizes	up to Ø160x320 mm cylinders 200 mm cubes	up to Ø160x320 mm cylinders 200 mm cubes	up to Ø160x320 mm cylinders 200 mm cubes
Dimensions (w×l×h) (A×d×xF)	380x451x1104 mm	420x600x1144 mm	475x600x1204 mm
Weight	620 kg	780 kg	1000 kg
Pedestal (Optional)	UTC-4680	UTC-4682	UTC-4682

(d*) Depth (**) Limited by capacity of the frame

The frames are supplied complete with;

- 100 mm, 50 mm, 30 mm height x Ø205 mm distance pieces (plus 15 mm x Ø165 mm for UTC-4714GE)
- Scissor Jack for Loading Platens/Bearing Blocks, (UTC-4629)
- Removable transparent front and rear safety doors