UTEST
MATERIAL TESTING EQUIPMENT

CONCRETE

Compression and Flexural Testing Machines

GENERAL PURPOSE COMPRESSION TESTING FRAMES

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

Product Code

UTC-4609EG	600 kN EN 772-1 and General Purpose Compression Testing Frame for Masonary Units/ Blocks, Cylinders And Cubes
UTC-4709EG	1100 kN EN 772-1 and General Purpose Compression Testing Frame for Masonary Units/ Blocks, Cylinders And Cubes
UTC-4682	Pedestal for 1500 kN, 2000kN and 3000 kN Compression Testing Frames with Welded Walls

Standards

EN 772-1

UTC-4729GE

UTC-4609EG and UTC-4609EG compression testing frames for masonary units/ blocks, cylinders and cubes consist of a loading cylinder assembly, lower and upper (spherically-seated) loading platens.

The compression testing frames provides 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 swich for piston stroke for safety. The diameter of the pistons are designed to work with their load capacities. There is a low friction coaxial PTFE seal between the cylinder and the piston fitted to the cylinder.

The lower loading platens are provided with lines for centering specimens

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

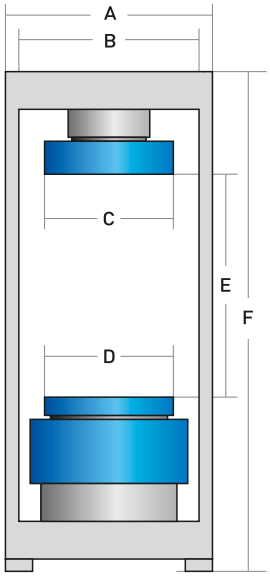
See the below table for supplied items with the frames.

Models	UTC-4609EG	UTC-4709EG
Capacity	600 kN	1100 kN
Frame Type	Welded Steel	Welded Steel
Bearing Platens Dimensions (D)	310x510x50 mm	310x510x50 mm
Upper Bearing Block, (With Spherically Seating Assembly) Dimensions (C)	310x510x50 mm	310x510x50 mm
Surface Hardness of Bearing Blocks	55 HRC	55 HRC
Flatness Tolerance	0,05 mm	0,05 mm
Piston Diameter	230 mm	230 mm
Piston Stroke	50 mm	50 mm
Maximum Vertical Clearance Between Bearing Blocks (E)	330 mm	330 mm
Horizontal Clearance (B)	320 mm	320 mm
For Cylinder (up to) Specimens Sizes	up to 300x500 mm masonary units/blocks	
	up to Ø160x320 mm cylinders, 200 mm cubes	
Blocks Masonary Units (up to)	Limited by the capacity of the machines and sizes of loading platens	
Dimensions (wxlxh) (Axd*xF)	380x550x750 mm	380x550x750 mm
Weight	690 kg	690 kg
Pedestal (UTC-4682)	UTC-4680	UTC-4680

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

The frames are supplied complete with;

- 100 mm, 50 mm, 30 mm height x Ø165 mm distance pieces
- Lifting Device for Lower Loading Platen (UTC-4629)
- Removable transparent front and rear safety doors



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