



EN 12390-4 and EN 772-1 COMPRESSION TESTING FRAMES FOR CONCRETE CUBES AND CYLINDERS AND MASONARY UNITS

Product Code

- UTC-5729 2000 kN Capacity Compression Testing Frame
for Masonary Units, Cubes and Clinders, EN
- UTC-5739 3000 kN Capacity Compression Testing Frame
for Masonary Units, Cubes and Clinders, EN
- UTC-4682 Pedestal for 2000 kN and 3000 kN Compression
Testing Frames with Welded Walls

Standards

EN 12390-4, EN 12390-3, EN 772-1

UTC-5729 and UTC-5739 compression testing frames with rigid welded steel walls for masonry units, cubes and cylinders consist of a loading cylinder assembly, lower and upper (spherically-seated) loading platens. acc. to EN standards.

The frames are tested and certified for force transfer stability and the self-alignment of the upper loading platen conforming to EN 12390-4 by Utest. EN compression testing frames provides the stability needed for accurate and repeatable test results over the years of operation.

The frames are supplied with factory calibration certificate for force transfer stability and the self-alignment of the upper loading platen conforming to EN 12390-4.

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. 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 concentric centering lines and fixture for centering specimens

UTC-4682 Pedestal that is 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-5729	UTC-5739
Capacity	2000 kN	3000 kN
Frame Type	Welded Steel	Welded Steel
Lower Bearing Block, 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	0,03mm	0,03mm
Piston Diameter	250 mm	300 mm
Piston Stroke	50 mm	50 mm
Maximum Vertical Clearance Between Bearing Blocks (E)	350 mm	350 mm
Horizontal Clearance (B)	360 mm	415 mm
Sizes of Specimens	For Cylinder (up to)	Ø160x320 mm
	For Cubes (up to)	300 mm (**)
	For Masonary Units (up to)	300x500 mm (**)
Dimensions (w x l x h) (A x d x f)	450x550x1145 mm	505x550x1205 mm
Weight	880 kg	1120 kg
Pedestal (Optional)	UTC-4682	UTC-4682
<p>(d*) Depth (**) Limited by capacity of the frame</p> <p>The frames for masonry units, cubes and cylinders are supplied complete with;</p> <ul style="list-style-type: none"> • 100 mm, 50 mm, 2x30 mm height x Ø205 mm distance pieces • Fixture for Centering Specimens, compatible with 310x510x50 mm lower loading platen for 100 mm and 150 mm cubes, Ø100 mm and Ø150 mm cylinders • Scissor Jack for Loading Platens/Bearing Blocks (UTC-4629) • Removable transparent front and rear safety doors <p>Appropriate Distance piece/s for the cylinder and cube specimens with the height of lower than 150mm should be ordered separately</p>		

