

GENERAL PURPOSE COMPRESSION TESTING FRAMES FOR CUBES AND CYLINDERS

Product Code

- UTC-4713G** 1500 kN Capacity General Purpose Compression Testing Frame with $\varnothing 216$ mm Loading Platens for Cubes and Cylinders
- UTC-4723G** 2000 kN Capacity General Purpose Compression Testing Frame with $\varnothing 216$ mm Loading Platens for Cubes and Cylinders
- UTC-4733G** 3000 kN Capacity General Purpose Compression Testing Frame with $\varnothing 216$ mm Loading Platens for Cubes and Cylinders
- UTC-4727G** 2000 kN Capacity General Purpose Compression Testing Frame with $\varnothing 300$ mm Loading Platens for Cubes and Cylinders
- UTC-4737G** 3000 kN Capacity General Purpose Compression Testing Frame with $\varnothing 300$ mm Loading Platens for 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

Standards

EN 12390-4, EN 12390-3

General purpose testing frames for cubes and cylinders consist of a rigid welded steel walls, a loading cylinder assembly and $\varnothing 216$ mm or $\varnothing 300$ mm a lower and an upper (spherically-seated) loading platens by taking into account user requests for general purposes.

The frames have a 380 mm vertical clearance that make possible to perform compression test of cylinders with capping retainers and neopren pads.

The General Purpose 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 frames for easier accessibility, increased productivity and for safer operations.

All 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 frames.



UTC-4727G



UTC-4723G

GENERAL PURPOSE COMPRESSION TESTING FRAMES WITH Ø216mm LOADING PLATENS FOR CUBES AND CYLINDERS

Models	UTC-4713G	UTC-4723G	UTC-4733G
Capacity	1500 kN	2000 kN	3000 kN
Frame Type	Welded Steel	Welded Steel	Welded Steel
Bearing Platens Dimensions (D)	Ø 216 mm	Ø 216 mm	Ø 216 mm
Upper Bearing Block, (With Spherically Seating Assembly) Dimensions (C)	Ø 216 mm	Ø 216 mm	Ø 216 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)	380 mm	380 mm	380 mm
Horizontal Clearance (B)	320 mm	360 mm	415 mm
For Cylinder (up to) Specimens Sizes	Up to Ø160x320mm	Up to Ø160x320mm	Up to Ø160x320mm
For Cubes Specimens Sizes	Up to 150mm	Up to 200mm	Up to 200mm
Dimensions (w×l×h) (A×d×xF)	380x451x1104 mm	420x453x1144 mm	475x497x1204 mm
Weight	540 kg	630 kg	850 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 and 2 pcs. 30 mm x Ø165 mm distance pieces
- Removable transparent front and rear safety doors

GENERAL PURPOSE COMPRESSION TESTING FRAMES WITH Ø300 mm LOADING PLATENS FOR CUBES AND CYLINDERS

Models	UTC-4727G	UTC-4737G
Capacity	2000 kN	3000 kN
Frame Type	Welded Steel	Welded Steel
Bearing Platens Dimensions (D)	300 mm	300 mm
Upper Bearing Block, (With Spherically Seating Assembly) Dimensions (C)	300 mm	300 mm
Surface Hardness	55 HRC	55 HRC
Flatness Tolerance	0,05 mm	0,05 mm
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
For Cylinder (up to) Specimens Sizes	Up to Ø160x320 mm	Up to Ø160x320 mm
For Cubes Specimens Sizes (**)	Up to 200 mm	Up to 200 mm
Dimensions (w×l×h) (A×d×xF)	420x453x1144 mm	475x497x1204 mm
Weight	665 kg	890 kg
Pedestal (Optional)	UTC-4682	UTC-4682

(d*) Depth

(**) Limited by capacity of the frame

The frames are supplied complete with;

- 100 mm, 50 mm and 30 mm x Ø205 mm distance pieces
- Removable transparent front and rear safety doors

