

Product Code

UTC-4700	600 kN Capacity Frame
UTC-4710	1500 kN Capacity Frame
UTC-4720	2000 kN Capacity Frame, EN
UTC-4721	2000 kN Capacity Frame, ASTM
UTC-4730	3000 kN Capacity Frame, EN
UTC-4731	3000 kN Capacity Frame, ASTM
UTC-5720	2000 kN Capacity Four Column Frame, EN
UTC-5730	3000 kN Capacity Four Column Frame, EN
UTC-5740	4000 kN Capacity Four Column Frame, EN
UTC-5750	5000 kN Capacity Four Column Frame, EN

The load frame provides the stability needed for accurate and repeatable test results over the years of operation. The machine's hydraulic power pack, control and read out units are positioned on the right hand side of the load frame for easier accessibility, increased productivity and for safer operations.

The load frame assembly consists of the following:

- Load Frame
- Upper Platen with Ball Seating Assembly
- Lower Platen
- Distance Pieces
- Loading Cylinder Assembly & Limit Switch for safety
- Front and Rear Protective Doors for safety

Standards

EN 12390-3, 12390-4; ASTM C39; BS 1881



UTC-4700



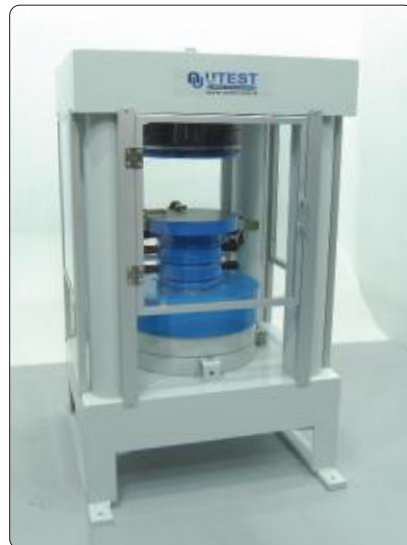
UTC-4720



UTC-4721



UTC-4730



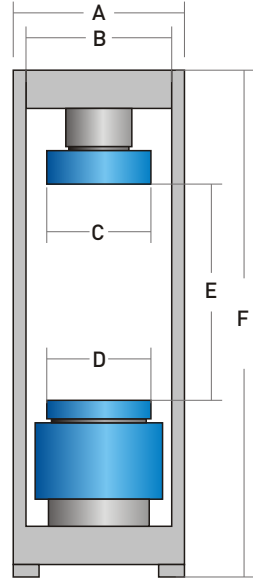
Low Capacity Frames

Models	UTC-4700	UTC-4710
Capacity	600 kN	1500 kN
Frame Type	Welded Steel	Welded Steel
Lower Platens Dimensions (D)	Ø 165 mm	Ø 216 mm
Upper Platens With Ball Seating Assembly Dimensions (C)	Ø 165 mm	Ø 216 mm
Piston Diameter	150 mm	230 mm
Piston Stroke	50 mm	50 mm
Maximum Vertical Clearance Between Platens (E)	340 mm	370 mm
Horizontal Clearance (B)	230 mm	320 mm
Dimensions (w×l×h) (A×d×xF)	290×500×800 mm	380×500×930 mm
Weight	335 kg	540 kg

d* depth

Low Capacity Frames are supplied complete with;

- UTC-4700 : 90, 50, 30, x 165 mm dia. distance pieces
- UTC-4710 : 90, 50, 2 pcs. 30, x 165 mm dia. distance pieces



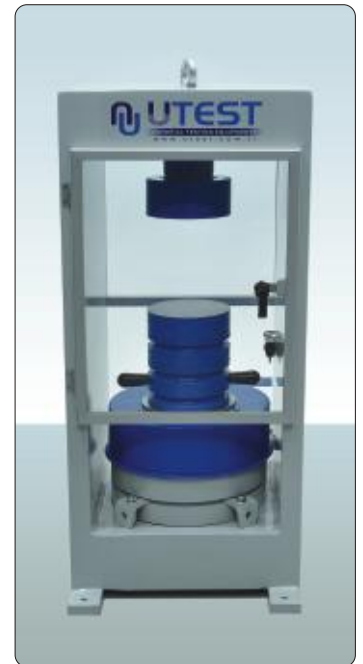
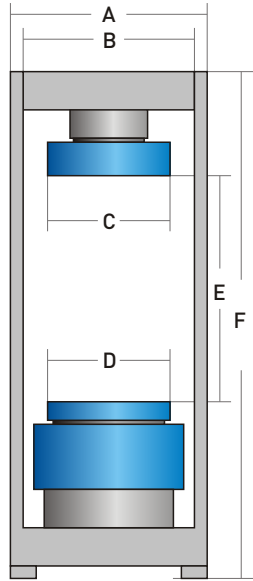
ASTM Frames

Models	UTC-4721	UTC-4731
Capacity	2000 kN	3000 kN
Frame Type	Welded Steel	Welded Steel
Lower Platens Dimensions (D)	Ø 165 mm	Ø 165 mm
Upper Platens With Ball Seating Assembly Dimensions (C)	Ø 165 mm	Ø 165 mm
Piston Diameter	250 mm	300 mm
Piston Stroke	50 mm	50 mm
Maximum Vertical Clearance Between Platens (E)	370 mm	370 mm
Horizontal Clearance (B)	360 mm	415 mm
Dimensions (w×l×h) (A×d×xF)	440×500×970 mm	505×540×1050 mm
Weight	690 kg	990 kg

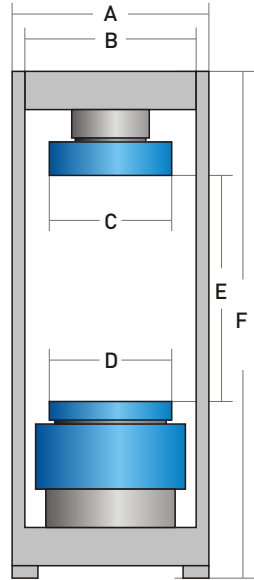
d* depth

ASTM Frames are supplied complete with;

- UTC-4721 : 90, 50, 2 pcs. 30 x 165 mm dia. distance pieces
- UTC-4731 : 90, 50, 2 pcs. 30 x 165 mm dia. distance pieces



EN Welded Frames



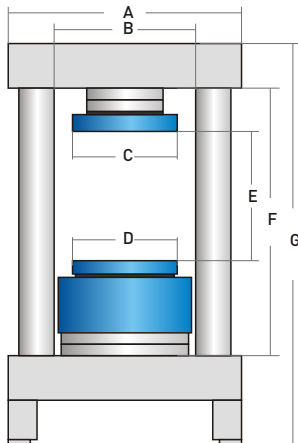
Models	UTC-4720	UTC-4730
Capacity	2000 kN	3000 kN
Frame Type	Welded Steel	Welded Steel
Lower Platens Dimensions (D)	Ø 300 mm	Ø 300 mm
Upper Platens With Ball Seating Assembly Dimensions (C)	Ø 300 mm	Ø 300 mm
Piston Diameter	250 mm	300 mm
Piston Stroke	50 mm	50 mm
Maximum Vertical Clearance Between Platens (E)	340 mm	340 mm
Horizontal Clearance (B)	360 mm	415 mm
Dimensions (w _l xh) (A _x d*x _F)	440x500x970 mm	505x540x1050 mm
Weight	710 kg	1010 kg

d* depth

EN Frames are supplied complete with;

- UTC-4720 : 90, 50, 30 x 205 mm dia. distance pieces
- UTC-4730 : 90, 50, 30 x 205 mm dia. distance pieces

EN Four Column Frames



Models	UTC-5720	UTC-5730	UTC-5740	UTC-5750
Capacity	2000 kN	3000 kN	4000 kN	5000 kN
Frame Type	Four Column	Four Column	Four Column	Four Column
Lower Platens Dimensions (D)	Ø 300 mm	Ø 300 mm	Ø 300 mm	Ø 300 mm
Upper Platens With Ball Seating Assembly Dimensions (C)	Ø 300 mm	Ø 300 mm	Ø 300 mm	Ø 300 mm
Piston Diameter	300 mm	350 mm	400 mm	420 mm
Piston Stroke	50 mm	50 mm	100 mm	100 mm
Maximum Vertical Clearance Between Platens (E)	340 mm	340 mm	520 mm	520 mm
Horizontal Clearance (B)	385 mm	445 mm	495 mm	515 mm
Dimensions (w _l xh) (A _x d*x _G)	630x660x1090 mm	735x670x1140 mm	805x710x1370 mm	865x640x1555 mm
Weight	1030 kg	1800 kg	2350 kg	3150 kg

d* depth

EN Four Column Frames are supplied complete with;

- UTC-5720 : 90, 50, 30 x 205 mm dia. distance pieces
- UTC-5730 : 90, 50, 30 x 205 mm dia. distance pieces
- UTC-5740 : 2 pcs. 90, 2 pcs. 50, 2 pcs. 30 x 205 mm dia. distance pieces
- UTC-5750 : 2 pcs. 90, 2 pcs. 50, 2 pcs. 30 x 205 mm dia. distance pieces