

Platens and Distance Pieces

Block Platens with Sliding Rail Assembly

The Block Platens with Sliding Rail Assembly are installed on the compression testing machines for testing concrete blocks and other structural materials. With use of the Sliding Rail Assembly, platens are able to be easily installed without having to remove the existing UTC-4513 compression platens.

This option can only be used with UTC-4720, UTC-4730, UTC-5720, UTC-5730 and UTC-5740 compression testing frames and the assembly must be factory installed, therefore selected with equipment order. Please note that after installation of the UTC-4620, the vertical clearance between the platens will decrease by 50mm.

The accessory Block Platen Lifting Assembly is used for easy removal of the lower platen of the Block Platens with Sliding Railed Assembly and easy replacement of the distance pieces between the piston and the lower platen.

Distance Pieces

The vertical clearance between the upper platen and lower platen can be reduced by using the distance pieces. 2000 kN , 3000 kN and 4000 kN machines are supplied with 205 mm dia. distance pieces and 600 kN and 1500 kN machines are supplied with 165 mm dia.

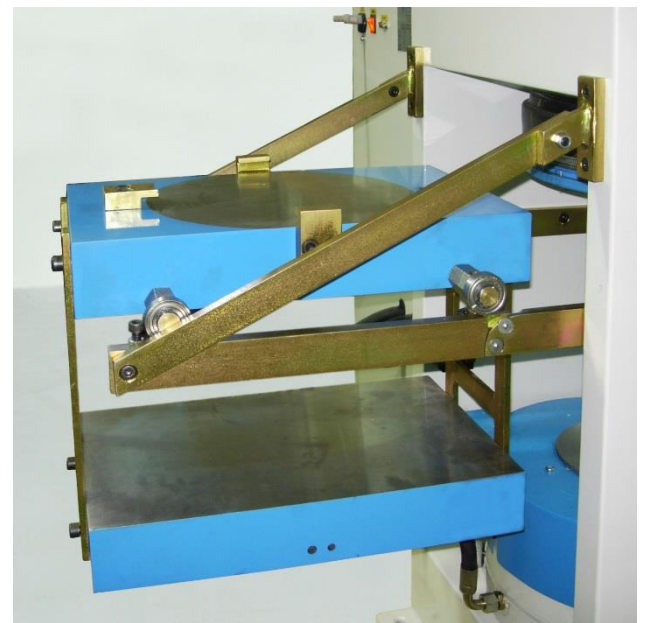
Larger distance pieces are equipped with handles.



Technical Specifications

Distance Pieces

Model	Height	Diameter	Weight
UTC-4630	15mm	165 mm	2.5 kg
UTC-4631	30 mm	165 mm	5 kg
UTC-4633	50 mm	165 mm	8 kg
UTC-4634	90 mm	165 mm	14 kg
UTC-4636	30 mm	205 mm	8 kg
UTC-4638	50 mm	205 mm	13 kg
UTC-4639	90 mm	205 mm	22 kg



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Platens

A large variety of cylinder, cube or similar samples, are tested by using the platens.

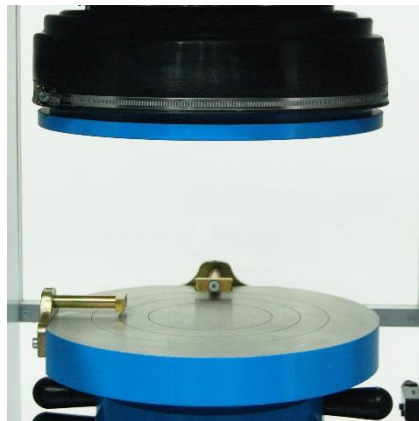
Constructed from high quality hardened steel, the roughness value for the surface texture is $\leq 3.2 \mu\text{m}$.

Models

UTC-4511, UTC-4512 and UTC-4513 have centering rings on the lower platens for proper centering of 100 mm and 150 mm cube, 100 mm and 150 mm cylinder samples.

\varnothing 300 mm UTC-4513 has a specimen centering apparatus on lower platen as standard or 150mm cube and 150 dia. Cylinder

UTC-4515 is suitable for block and brick testing.



About PCTE

PCTE have over 30 years' experience in the measurement and testing of construction materials. PCTE can provide more than just the equipment, they can provide expert training. PCTE have a service centre in Sydney in which they can provide calibration, repairs and warranty repairs.

PCTE supply three main ranges: NDT, Lab and Geotech Instrumentation.

- NDT includes: Rebound Hammers, Covermeters, Ultrasonics, GPR, Corrosion Testing, Coating Testing and Foundation Testing
- Lab includes equipment for: Concrete, Cement, Aggregate, Soil, Asphalt and Metal
- Geotech Instrumentation includes: Strain Gauges, Piezometers, Inclonometers, Extensometers, Tiltmeters, Load Cells and Dataloggers

Technical Specifications

Model	UTC-4510	UTC-4511	UTC-4512	UTC-4513	UTC-4515
Diameter	\varnothing 105 mm	\varnothing 165 mm	\varnothing 216 mm	\varnothing 300 mm	310 x 500 mm
Compatible Frames	UTC-4700 UTC-4710 UTC-4721 UTC-4731 UTC-4720 UTC-5720 UTC-4730 UTC-5730 UTC-5740 UTC-5750	UTC-4700 UTC-4710 UTC-4721 UTC-4731 UTC-4720 UTC-5720 UTC-4730 UTC-5730 UTC-5740 UTC-5750	UTC-4710 UTC-4721 UTC-4731 UTC-4720 UTC-5720 UTC-4730 UTC-5730 UTC-5740 UTC-5750	UTC-4720 UTC-5720 UTC-4730 UTC-5730 UTC-5740 UTC-5750	UTC-4710 UTC-4721 UTC-4731 UTC-4720 UTC-5720 UTC-4730 UTC-5740 UTC-5750
Hardness	≥ 55 HRC				≥ 600 HV
Dimensions (mm)	110x110x145	170x170x145	220x220x145	310x310x175	320x510x175
Weight	7 kg	20 kg	37 kg	75 kg	130 kg