

Self-Levelling Concrete Tests

J-Ring Test

The J-Ring Test has been designed to measure the passing ability, the flow spread and the T_{50j} flow time of self-compacting concrete as the concrete flows through the J-Ring Apparatus.

- The UTC-0520 J-Ring Narrow Gap has \varnothing 18mm x 16mm smooth bars and is made from stainless steel.
- The UTC-0522 Slump Cone is made from sheet steel protected against corrosion, with diameters: top 100mm, base 200mm and with a height of 300mm.
- Minimum apparatus for the J-Ring Test are J-Ring with narrow gap (UTC-0520 and slump cone (UTC-0522). The UTC-0524 Base Plate and UTC-0526 can be added to achieve an optimized testing result.

V Funnel Apparatus

UTC-0540

The V Funnel apparatus has been designed to measure the flow time of freshly mixed self-compacting concrete. However, when the maximum size of the aggregate exceeds 22.4, the test is not suitable. The apparatus has a funnel made from stainless steel, which can be placed vertically on a supporting stand and the discharge orifice is fitted with a lid which can be opened temporarily.



L Shape Box Apparatus

UTC-0545

The L Shape Box is used for establishing the passing ability rate of freshly mixed self-compacting concrete. The distance between 12 mm diameter bars can be set between 41 ± 1 mm or 59 ± 1 mm. The vertical and horizontal hoppers are easy to clean, due to the design of the apparatus. This apparatus is supplied complete with Filling Hopper and Base.



U Shape Box Apparatus

UTC-0547

The U Shape Box Apparatus is used to determine the filling and passing ability of self-compacting concrete (SCC). The U box is made of three 12 mm diameter stainless steel rebars. The U box is mounted on a frame with a fixing mechanism.



Technical Specifications

Model	Dimensions (mm)	Weight
UTC-0520	350x350x140	10 kg
UTC-0522	200x200x300	2 kg
UTC-0540	525x300x1040	18 kg
UTC-0545	300x1000x1350	35 kg
UTC-0547	650x650x1100	20 kg

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.

Other Equipment

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, Inclometers, Extensometers, Tiltmeters, Load Cells and Dataloggers