



70mm Triaxial Cell 1700Kpa with 5 Pressure/ Drainage Ports. Supplied with Two Valves.

Code: [25-4117](#)

Product Group: [Triaxial Cell](#), [Triaxial Cells](#)

- Working pressure up to 1700 kPa
- All round visibility
- Sample sizes 38 to 100 mm diameter
- Rapid assembly and dismantling
- Accepts a range of interchangeable submersible load transducers

This range of precision made triaxial cells has been designed to meet the requirements of the modern soils laboratory. The cells have been treated to minimise corrosion. Particular attention has been paid to the quality of finish between the piston and the head. Final assembly includes the fitting of an O-ring seal and the use of special lubricant to reduce friction to a minimum and eliminate water leakage.

The piston load capacity is designed to accept high horizontal forces which may be present during the final stages of a test. Each cell has five take-off positions drilled in the base for top drainage/back pressure, pore water pressure and bottom drainage. Two no-volume change valves and an anvil for strain gauge/transducer datum are supplied for fitting to the cell.

A feature of these cells is that they all accept a single diameter piston. The internal height is such that a range of submersible load transducers can be fitted without any modification. Each cell will accept a range of base adaptors and various accessories for testing a wide range of specimens

Standards

BS 1377, ASTM D2850, ASTM D4767, ASTM D7181, AASHTO T296, AASHTO T297

Specification

Cell size	70 mm
Max specimen size	70 x 140 mm
Working pressure	1701 kPa
Max piston load	46 kN
Vertical clearance required	430 mm
Horizontal clearance required	180 mm
Weight kg	7.3
Maximum Working Pressure	25 0 psi (1,700 kPa).
Maximum Piston Load	10,100 lbf. (45 kN).

Product Sheet

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Maximum Specimen Size	2.8" (70 mm) diam. x 5.6" (140 mm) l.
Required Clearance	17" (430 mm) vertical; 7.1" (180 mm) horizontal.
Weights	Net 16 lbs. (7.3 kg).

Accessories



1.4" Base Pedestal

Code: [25-4170](#)



1.4" Specimen Cap

Code: [25-4250](#)



2.8" Base Pedestal

Code: [25-4178](#)



2.8" Specimen Cap

Code: [25-6630](#)



50mm Base Adaptors for 70mm Cells.

Code: [25-4174](#)



70mm Base Adaptor for 70mm Cells.

Code: [25-4176](#)



Drainage Line for 25-4250

Code: [25-5050/10](#)



Drainage Line for 25-6430

Code: [25-6430/10](#)



High Vacuum Grease

Code: [88-3115](#)



Piston Restraint Clamp for Ele Triaxial Cells

Code: [25-4200](#)



Pressure Interface Chamber

Code: [25-0695](#)



Pressure Pad 70mm Diameter.

Code: [25-6430](#)



Valve No Volume Change 1/4 Inch BSp Fitted with 6 mm Connector and Integral Sealing Ring.

Code: [25-4520](#)

Alternatives



100mm Triaxial Cell 1700Kpa with 5 Pressure/ Drainage Ports. Supplied with Two Valves.

Code: [25-4157](#)



4" Triaxial Cell

Code: [25-4159](#)



50mm Triaxial Cell 1700Kpa with 5 Pressure/ Drainage Ports. Supplied with Two Valves.

Code: [25-4047](#)



Digital Pressure Gauge 1700Kpa. for Ele Triaxial Cells.

Code: [27-1620](#)