



IF IT'S WORTH BUILDING, IT'S WORTH TESTING

This wishlist was generated on 31/01/2017, and contains the following Products:

25-0429

Floor Mounting Stand.

25-0402

Consolidation Frame One Dimensional Consolidation Incremental Loading Device.

25-0408

Set of Weights 100Kg Total Weight.

25-0503

Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

25-0509

Calibration Disc 75mm Cell

25-0479

Consolidation Cell Complete 2.5 Inch Diameter Sample. Inc. Porous Discs and Cutting Ring.

25-0485

Calibration Disc 2.5 Inch Cell

25-4047

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

26-1880

Universal Pump and Pressure Indicating Panel 1700Kpa.

83-1735/01

Air Compressor

26-1746

Bladder-Type Air/Water Pressure Assembly. 1000 Kpa Maximum Working Pressure.

26-1760

Pneumatic Pressure Reducing Panel. Provides Two Independent Pressure Outlets 1000 kPa Max.



Floor Mounting Stand.

Code: [25-0429](#)

Product Group: [Consolidation Apparatus, Table Top Consolidation Apparatus](#)

A versatile modular steel stand. Holes in the shelf are provided for securing up to three EL25-0402 Consolidation Frames. Dimensions 610 x 915 x 865 mm (l x w x h).

Standards

ASTM D2435, ASTM D4546, AASHTO T216, ASTM D3877, BS 1377-5



Consolidation Frame One Dimensional Consolidation Incremental Loading Device.

Code: 25-0402

Product Group: Consolidation Apparatus, Table Top Consolidation Apparatus

- High capacity - 8800 kPa on 50 mm diameter specimens using 11:1 beam ratio
- Triple beam ratio, 9:1, 10:1, 11:1
- Compact unit ensures maximum space saving

The ELE Oedometer is rigidly constructed to ensure minimum frame distortion. The frame is designed to load the specimen through a yoke assembly and one of three alternative beam ratios. The beam is fitted with a counterbalance weight and beam support jack. The cell platform will accept the complete range of ELE consolidation cells and is fitted with a central spigot to ensure accurate centring of the cell under the loading yoke. Dimensions without hanger 711 x 203 x 508 mm (l x w x h). Weight 22 kg.

Standards

ASTM D2435, ASTM D4546, AASHTO T216, ASTM D3877, BS 1377-5

Further Information

Supplied without dial gauge and weights.

Specification

Load Capacity	48 tons/sq. ft. (5,148 kPa) on 2.5" (63 mm) diam. samples.
Loading Beam	Cast aluminum; counterbalanced; 9:1, 10:1 and 11:1 ratios.
Frame	Cast aluminum; integral beam support jack; plated steel and platform.
Dimensions	203 x 711 x 508 mm, (8" w. x 28" d. x 20" h) . excluding weight hanger.
Weight	(Net 30 lbs). 13.6 kg; Shpg. 40 lbs. (18.1 kg).

Accessories



16 Ton Weight Set

Code: [25-0544](#)



2.416" Fixed Ring Consolidometer

Code: [25-0480](#)



2.5" Floating Ring Consolidometer

Code: [25-0530](#)



Consolidation Cell Complete 2.5 Inch Diameter Sample. Inc. Porous Discs and Cutting Ring.

Code: [25-0479](#)



Consolidation Cell Complete 50mm Diameter Sample.

Code: [25-0455](#)



Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: [25-0503](#)



Floor Mounting Stand.

Code: [25-0429](#)



Mechanical Dial Indicator - 0.4" Range

Code: [88-4070](#)



Mechanical Dial Indicator - 1.0" Range Counter Clockwise Movement

Code: [88-4120](#)



Mechanical Dial Indicator - 10 mm Range

Code: [88-4080](#)



Mechanical Dial Indicator - 25 mm Range Counter Clockwise Movement

Code: [88-4130](#)



Set of Weights 100Kg Total Weight.

Code: [25-0408](#)



Weight Set A

Code: [25-0535](#)



Weight Set B

Code: [25-0537](#)

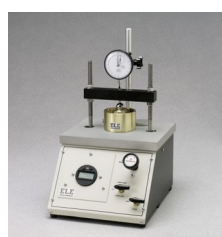
Spares/Consumables



Electronic Digital Indicator, 0.600"/15 mm range

Code: [88-4210](#)

Alternatives



Pneumatic Consolidation Apparatus

Code: [25-0560](#)



Set of Weights 100Kg Total Weight.

Code: [25-0408](#)

Product Group: [Consolidation Apparatus](#)

9 x 10 kg, 1 x 5 kg, 2 x 2 kg, 1 x 1 kg.

Standards

ASTM D2435, ASTM D4546, AASHTO T216, ASTM D3877, BS 1377-5



Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: [25-0503](#)

Product Group: [Table Top Consolidation Apparatus](#),
[BS EN consolidation cells and accessories](#),
[Pneumatic Consolidation Apparatus](#), [Fixed Ring Consolidation](#)

Specification

Application	BS/EN 10:1
Specimen Dia	75 mm
Specimen area	4418 mm ²
Beam ratio	9:1
Load kg	1
Stress	20 kPa
Typical max stress	3.2 MPa
Stress for 1 kg m ²	20 kPa
Application	BS
Specimen Diameter	75 mm
Specimen Area	4418 mm ²
Beam Ratio	10:01
Load	1 kg
Stress	20 kPa
Typical Maximum Stress	3.2 MPa
Stress for 1 kg	20 kPa

Accessories



Calibration Disc 75mm Cell

Code: [25-0509](#)



Consolidation Cell Complete 2.5 Inch Diameter Sample. Inc. Porous Discs and Cutting Ring.

Code: [25-0479](#)



Consolidation Cell Complete 50mm Diameter Sample.

Code: [25-0455](#)

Spares/Consumables



75mm Dia Upper and Lower Porous Stones for Use on EL25-0503 Series Cell.

Code: [25-0503/13](#)



Cutting Ring 75mm Cell.

Code: [25-0506](#)

Alternatives



Calibration Disc 75mm Cell

Code: [25-0509](#)



Consolidation Cell Complete 2.5 Inch Diameter Sample. Inc. Porous Discs and Cutting Ring.

Code: [25-0479](#)



Consolidation Cell Complete 50mm Diameter Sample.

Code: [25-0455](#)



Calibration Disc 75mm Cell

Code: [25-0509](#)

Product Group: [BS EN consolidation cells and accessories](#), [Fixed Ring Consolidation](#)

Standards

BS 1377-5

Accessories



Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: [25-0503](#)

Alternatives



Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: [25-0503](#)



Consolidation Cell Complete 2.5 Inch Diameter Sample. Inc. Porous Discs and Cutting Ring.

Code: [25-0479](#)

Product Group: [Table Top Consolidation Apparatus](#), [ASTM/AASHTO consolidation cells and accessories](#), [Pneumatic Consolidation Apparatus](#), [Fixed Ring Consolidation](#)

Standards

ASTM D2435, ASTM D4546, AASHTO T216, ASTM D3877

Specification

Application	ASTM
Specimen Dia	2.5 inch
Specimen area	4.909 inch ²
Beam ratio	10:1
Load kg	1.55
Stress	1000 lbf/ft ²
Typical max stress	103 200 lbf/ft ²
Stress for 1 kg m ²	645 lbf/ft ²

Accessories



2.5" Floating Ring Consolidometer

Code: [25-0530](#)



Calibration Disc 2.5 Inch Cell

Code: [25-0485](#)



Consolidation Cell Complete 50mm Diameter Sample.

Code: [25-0455](#)



Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: [25-0503](#)

Spares/Consumables



2.5 Inch Dia Upper and Lower Porous Stones for Use on EL25-0479 Series Cell.

Code: [25-0479/13](#)



Cutting Ring for 25-0479

Code: [25-0482](#)

Alternatives



2.5" Floating Ring Consolidometer

Code: [25-0530](#)



Calibration Disc 2.5 Inch Cell

Code: [25-0485](#)



Consolidation Cell Complete 50mm Diameter Sample.

Code: [25-0455](#)



Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: 25-0503



Calibration Disc 2.5 Inch Cell

Code: [25-0485](#)

Product Group: [ASTM/AASHTO consolidation cells and accessories, Fixed Ring Consolidation](#)

Standards

ASTM D2435, ASTM D4546, AASHTO T216, ASTM D3877

Accessories



Consolidation Cell Complete 2.5 Inch Diameter Sample. Inc. Porous Discs and Cutting Ring.

Code: [25-0479](#)

Alternatives



Consolidation Cell Complete 2.5 Inch Diameter Sample. Inc. Porous Discs and Cutting Ring.

Code: [25-0479](#)



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

Code: 25-4047

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, AASHTO T296, AASHTO T297

Specification

Cell size	50 mm
Max specimen size	50 x 100 mm
Working pressure	1700 kPa
Max piston load	45 kN
Vertical clearance required	380 mm
Horizontal clearance required	155 mm
Weight kg	4

Accessories



38mm/1.5 Inch Base Adaptor for 50mm Cells.

Code: [25-4166](#)



50mm Base Adapter for 50mm Cells.

Code: [25-4168](#)

Alternatives



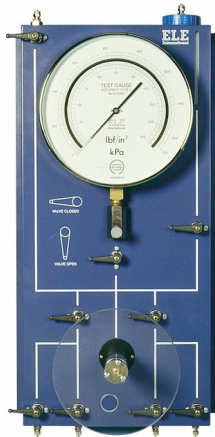
100mm Triaxial Cell 1700Kpa with 5 Pressure/ Drainage Ports. Supplied with Two Valves.

Code: [25-4157](#)



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

Code: [25-4117](#)



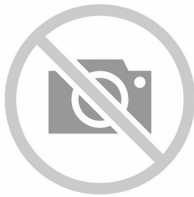
Universal Pump and Pressure Indicating Panel 1700Kpa.

Code: [26-1880](#)

Product Group: [Modular Pressure Panel System](#)

This is the main pressure display in the system for monitoring various pressures and also provides fine control of the pressure within the system using the rotary hand pump. The unit is fitted with a dual calibrated 250 mm diameter pressure gauge, four inlet/outlet no-volume change valves, screw controlled rotary hand pump, water reservoir and isolating valves. The unit is housed in a hinged case for wall or bench mounting. By using an isolating valve the panel may be used to monitor cell or back pressure. 1700 kPa and 250 lbf/in².

Spares/Consumables



Pressure Gauge 1700Kpa (250Psi) 250mm Diameter.

Code: [26-1865/10](#)



Air Compressor

Code: 83-1735/01

Product Group: Air Compressors, Air/Water Pressure Systems - up to 1000 kPa

Specification

Dimensions (l x w x h)	1321 x 457 x 914 mm
Free air delivery	6.0 cfm
Receiver capacity	116 litres
Maximum pressure	1380 kPa
Continuous working pressure	1000 kPa
Electrical supply	220 – 240 V AC 1 ph 50 Hz
Water Trap	Yes
Weight	149 kg



Bladder-Type Air/Water Pressure Assembly. 1000 Kpa Maximum Working Pressure.

Code: 26-1746

Product Group: [Air/Water Pressure Systems - up to 1000 kPa](#)

With transparent plastic chamber for operating continuously at pressures up to 1000 kPa. A length of tubing is provided for connecting the air/water cylinder outlet to a pressure measuring system.

- Used to supply hydraulic pressure from a pneumatic pressure source.
- Prevents air entering the hydraulic pressure system.
- Maximum working pressure 1000kpa.
- Supplied with connectors and tubing for fitting to pressure measuring systems.

Accessories



Nylon Tubing 30 Metre Length.

Code: 26-1769

Spares/Consumables



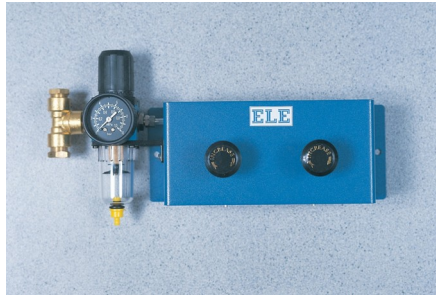
Pneumatic Pressure Reducing Panel. Provides Two Independent Pressure Outlets 1000 kPa Max.

Code: 26-1760



Replacement Bladder Wide Neck (38mm Id)

Code: 26-1746/10



Pneumatic Pressure Reducing Panel. Provides Two Independent Pressure Outlets 1000 kPa Max.

Code: [26-1760](#)

Product Group: [Air/Water Pressure Systems - up to 1000 kPa](#)

Comprising two constant pressure reducing valves with inlet water trap and pressure indicator. The unit allows a maximum output pressure of 1000 kPa. Maximum input pressure should not exceed 1400 kPa. The panel has an inlet connector to accept Nylon tubing from the air compressor and two 6 mm outlets for connecting Bladdertype Air/Water Pressure Assemblies. An outlet connector is fitted for the connection of an additional panel using Nylon tubing to increase the total capacity of the system. This outlet is blanked off when not required.