



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

This wishlist was generated on 05/09/2017, and contains the following Products:

25-3518/02

Digital Tritest 50 Load Frame

27-1500/02

GDU 8 Channel Data Acquisition Unit 100-120 V 60 Hz

27-1753

DS7.2 Undrained Triaxial Shear Strength Program for Windows 7, 32/64 bit

27-1763

DS7.2 CU/CD Triaxial Shear Strength Program for Windows 7, 32/64 bit

27-1617

Axial Strain Transducer Assembly 50mm Travel Fitted with 5 Pin Din Plug.

27-1633

Pressure Transducer Assembly 1700Kpa Fitted with 5 Pin DIN Plug.

27-1641

Volume Change Transducer Assembly 80ml Capacity Maximum Working Pressure 1700KPa

27-1583

S-Type Load Cell 2,000 lb Capacity

25-0697/02

Tri-Flex 2 Master Control Panel, Metric 110vAC

25-0698

Tri-Flex 2 Water De-airing Tank System

27-1701

USB to Serial Adapter

25-4117

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

25-4250

1.4" Specimen Cap

25-4170

1.4" Base Pedestal

25-5050/10

Drainage Line for 25-4250

25-4461

1.4" Porous Stones

25-4281

1.4" (35 mm) Sealing Rings

25-4880

1.4" Filter Paper Drains

25-4261

1.4" (35 mm) Rubber Membranes

25-4300

1.4" Suction Membrane Device

25-4320

1.4" Two-Way Split Formers

25-4047

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

25-4166

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

25-5181

Porous Disc 38mm/1.5 inch Diameter. Pack of 2.

25-5081

Membrane Sealing Ring 1.5"

25-5200

Filter Paper Drain 38mm/1.5 inch Diameter. Pack of 50.

25-5061

Rubber Membrane 38mm/1.5 Inch Diameter. Pack of 10.

25-4263

1.4" Membrane Testers

25-5130

Two Part Split Mould 38mm

25-5100

Suction Membrane Device 38mm/1.5 Inch Diameter.

25-5120

Two-Way Split Former 38mm/1.5 Inch Diameter.

25-4290

Membrane Placing Tool 35mm/38mm.

25-5430

Pressure Pad 50mm Diameter.

25-4174

50mm Base Adaptors for 70mm Cells.

25-5430/10

Drainage Line for 25-5430

25-5561

Porous Disc 50mm Pack of 2

25-5461

Membrane Sealing Ring 50mm Diameter Pack of 10.

25-6580

Filter Paper Drain 70mm/2.8 inch Diameter. Pack of 50.

25-6585

70 mm Filter Paper Discs

25-5441

Rubber Membrane 50mm Diameter Pack of 10.

25-5530

Two Part Split Mould 50mm

25-5480

Suction Membrane Device 50mm Diameter.

25-5500

Contents

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Two-Way Split Former 50mm Diameter.

25-5470

Membrane Placing Tool 50mm Diameter.

Digital Tritest 50 Load Frame

Code: [25-3518/02](#)

Product Group: [Digital Tritest 50 Load Frame, CBR Load Frames](#)



Standards

ASTM D1883, ASTM D2166, ASTM D2850, ASTM D4767, ASTM D7181, AASHTO T99, AASHTO T134, AASHTO T135, AASHTO T136, AASHTO T180, AASHTO T193, AASHTO T208, AASHTO T296, AASHTO T297

Further Information

110V, 50/60 Hz, 1Ph, 300 Watts.

See Data Acquisition section for electronic load and strain measurement options.

Specification

Capacity	11 ,200 lbf. (50 kN).
Speed Range	English mode: 0.000001 to 0.399999 in/min. Metric mode: 0.00001 to 9.99999 mm/min.
Rapid Approach Speed	1.0 in/min. (25 mm/min.).
Platen Travel	3.9" (100 mm); limit switch protection.
Platen Diameter	5.2" (133mm).
Vertical Clearance	35 .8" (910 mm) maximum; 12 " (305 mm) minimum.
Horizontal Clearance	14 .3" (364 mm).
Serial Interface	RS232 C; programmable baud rate and protocol.
Overall Dimensions	19.7" w. x 19.7" d. x 57.8" h. (500 x 500 x 1,470 mm).
Weight	Net 220 lbs. (100 kg); Shpg. 300 lbs. (136 kg).

Accessories



2 Channel Digital Readout, English

Code: [27-1108/02](#)



2 Channel Digital Readout, Metric

Code: [27-1109/02](#)



50kN Clamped Boss Load Ring

Code: [78-0860](#)



Adaptor kit, to perform CBR on the Tritest 50 load frame

Code: [25-3518/10](#)



Clamped Boss Load Ring - 10.0 kN

Code: [78-0460](#)



Clamped Boss Load Ring - 2.0 kN

Code: [78-0060](#)



Clamped Boss Load Ring - 28.0 kN

Code: [78-0760](#)



Clamped Boss Load Ring - 3.0 kN

Code: [78-0160](#)



Clamped Boss Load Ring - 4.5 kN

Code: [78-0260](#)



Digital Proving Ring, 1,000 lbs (4.5 kN)

Code: [78-0264](#)



Digital Proving Ring, 11,200 lbs (50.0 kN)

Code: [78-0864](#)



Digital Proving Ring, 450 lbs (2.0 kN)

Code: [78-0064](#)



Digital Proving Ring, 6,000 lbs (28.0 kN)

Code: [78-0764](#)

Spares/Consumables



Dial Indicator - 1.0" Range

Code: [88-4100](#)

Alternatives



CBR Loading Press, Hand-Operated

Code: [24-9345](#)



CBR-Test 50 Machine 50 kN Capacity BS and ASTM Supplied with Stabilising Bar.

Code: [24-9150/02](#)



Dial Gauge 25mm Travel X 0.01mm Divisions

Code: [25-4210](#)



Digital Proving Ring, 2,250 lbs (10.0 kN)

Code: [78-0464](#)



Electronic Digital Indicator, 1.0"/25.4 mm range

Code: [88-4220](#)



Versa-Loader

Code: [25-3525/02](#)



GDU 8 Channel Data Acquisition Unit 100-120 V 60 Hz

Code: [27-1500/02](#)

Product Group: [Data Logging with the GDU, Geotechnical Data Acquisition Unit \(GDU\)](#)

The GDU is a stand-alone, multi-tasking, multi-channel data logger, that is reliable and powerful, enabling it to co-ordinate test data from the range of ELE transducers required for various test methods.

The ELE Geotechnical Software package (DS7.1 and following), in conjunction with the GDU and a range of transducers, are the two central components required to create a modern turnkey soil testing system. Being fully modular it can be adapted to a wide range of soil testing laboratory configurations.

- For performing CBR, Consolidation, Direct/Residual Shear and Total & Effective Stress Triaxial tests
 - 8 Channels expandable to 32 for performing multiple, concurrent tests for cost savings
 - Independent signal conditioning on each channel to maintain data accuracy
 - Field-upgradeable software, meaning no downtime for future software and functionality upgrades
 - PC link via RS232 (DS7.1 only), or RS232 and Ethernet P2P/LAN (with DS7.2 and following)
- Extended warranty

Specification

Case	Aluminum, free standing; houses power supply, analogue to digital conversion module and an 8-channel analogue input module with transducer energization.
Sockets	Standard 5-pin DIN type.
Input Range	± 5 volts to ± 10 mV full scale.
Transducer Supply	10vDC.
Dimensions	12.8" w. x 14.3" d. x 6.1" h. (325 x 363 x 155 mm).
Weight	Net 14.08 lbs. (6.4 kg).

Accessories



8-Channel Expansion Analog Input Module

Code: [27-1505](#)



USB to Serial Adapter

Code: [27-1701](#)

Alternatives



GDU 8 Channel Data Acquisition Unit 220-240 V 50/60 Hz, 1 Ph.

Code: [27-1500/01](#)



RS232/USB Cable, GDU

Code: [27-1510](#)



DS7.2 Undrained Triaxial Shear Strength Program for Windows 7, 32/64 bit

Code: [27-1753](#)

Product Group: [DS7](#), [DS7.2 Quick Undrained Triaxial Software](#), [Automatic Data Acquisition - Triaxial](#)

- Options for single or multi-stage testing on a sample
- Mohr circles produced for graphical analysis

Options are available for a single test on one sample, standard three-sample procedure with linking of the results, or for a multi-stage test on one sample. Load and strain are monitored through transducers. Various printouts and graphical plots are available including basic sample data, moisture content and density. The program tabulates shearing data and plots stress against strain. Mohr circles are produced for graphical analyses.



DS7.2 CU/CD Triaxial Shear Strength Program for Windows 7, 32/64 bit

Code: [27-1763](#)

Product Group: [DS7, DS7.2 CU/CD Effective Stress Triaxial Software](#)

- Complete package for consolidated drained and consolidated undrained triaxial tests

This advanced package includes procedures for consolidated drained and consolidated undrained tests. Standard options are available for saturation, consolidation and shearing with automatic monitoring of the various parameters through transducers linked to the system. Load, strain, volume-change, pore-pressure, cell pressure and back pressure can all be monitored. Various prints and graphical plots are available to the engineer and include saturation data such as pore pressure build-up and B values, consolidation, volume change against time, shearing load versus strain with pore pressure monitoring.



Axial Strain Transducer Assembly 50mm Travel Fitted with 5 Pin Din Plug.

Code: [27-1617](#)

Product Group: [Axial Displacement](#), [Axial Displacement](#), [Displacement Transducers](#)

0 to 50 mm range. For use with Triaxial Cells.

- Ideally suited for use with GDU for accurate displacement measurements
- Models available for use in consolidation, shear, CBR and triaxial test applications
- Supplied complete with mounting hardware for specified products

Displacement Transducers are used in consolidation, shear, CBR and triaxial test applications for accurate displacement measurements. They are supplied complete with a 5-pin DIN type connector for direct connection to the GDU.

Specification

Construction	Fully encapsulated electronics, sealed in a stainless steel case
Excitation	10V DC
Connector	5-pin DIN type
Mounting bracket	Included as standard
Weight kg	0.45

Accessories



Horizontal Displacement Transducer Assembly 15mm Travel 5 Pin Din Plug Mounting Pillar

Code: [27-1697](#)



Vertical Displacement Transducer Assembly 15mm Travel with 5 Pin Din Plug Bracket for Shear Box

Code: [27-1689](#)

Spares/Consumables



CBR Displacement Transducer

Code: [27-1706](#)

Alternatives



Horizontal Displacement Transducer Assembly 15mm Travel 5 Pin Din Plug Mounting Pillar

Code: [27-1697](#)



Vertical Displacement Transducer Assembly 15mm Travel with 5 Pin Din Plug Bracket for Shear Box

Code: [27-1689](#)



Pressure Transducer Assembly 1700Kpa Fitted with 5 Pin DIN Plug.

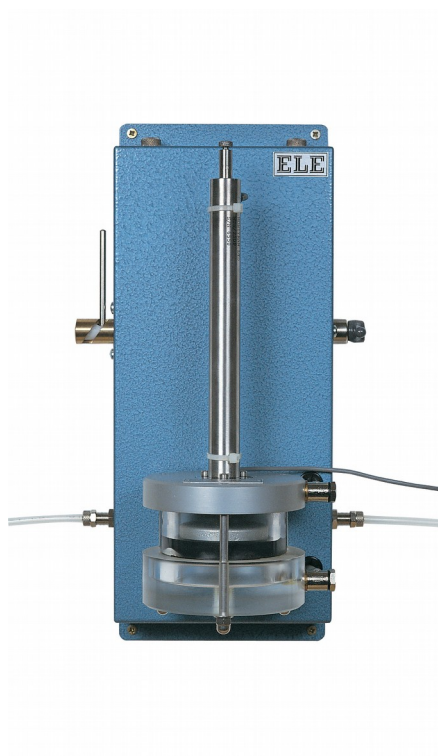
Code: 27-1633

Product Group: Pressure Measurement, Tri-Flex 2 One-Cell Permeability Test System, Pressure Transducer

Pressure Transducers are used to measure the cell, pore and back pressures during triaxial testing. Assemblies are supplied complete with a de-airing block, valve, 5-pin DIN plug connector and calibration certificate

Specification

Construction	Stainless Steel
Excitation	10 V DC
Output	143 mV full range
Thread	1/4" BSP



Volume Change Transducer Assembly 80ml Capacity Maximum Working Pressure 1700KPa

Code: 27-1641

Product Group: [Volume Change Measurement](#),
[Tri-Flex 2 One-Cell Permeability Test System](#), [Volume
Change Measurement](#), [Volume Change Transducer](#)

- Reversing valves to increase capacity
- Steel case for wall mounting and access to piping
- Supplied complete with calibration certificate

The Volume Change Transducer provides continuous measurements of volume change during the triaxial test. The assembly includes a valve to reverse the flow through the unit, providing increased capacity.

Specification

Maximum Pressure	250 psi (1,700 kPa).
Excitation	10V DC.
Output	1.25 Volts full range.
Capacity	80 cc x 0.1 cc sensitivity.
Case	Steel; hinged for access to piping.
Connector	5-Pin DIN type.
Overall Dimensions	9" w. x 7" d. x 14 -1/2" h. (229 x 178 x 368 mm).
Weight	Net 11 lbs. (5 kg).



S-Type Load Cell 2,000 lb Capacity

Code: [27-1583](#)

Product Group: [S-Type Load Cell](#)

(8.9 kN) capacity. Net wt. 1 lb. (0.45 kg).

Specification

Excitation	10vDC.
Output	3.0 mV/V minimum.
Non-Linearity	0.03% full scale output.
Hysteresis	0.02% full scale output.
Bridge Resistance	350 ohms nominal.
Overload Capacity	150%.
Mounting Hardware	Includes all necessary hardware for mounting to the Tritest 50 and Versa-Loader load frames.

Accessories



Submersible Load Transducer Assembly 5kN Capacity In Compression.

Code: [27-1573](#)

Alternatives



S-Type Load Cell 10,000 lb Capacity

Code: [27-1587](#)



S-Type Load Cell 500 lb Capacity

Code: [27-1581](#)



Transducer Extension Cable 3.0 m

Code: [27-1717](#)



Transducer Extension Cable 4.5 m

Code: [27-1719](#)



Tri-Flex 2 Master Control Panel, Metric 110vAC

Code: [25-0697/02](#)

Product Group: [Tri-Flex 2 Master Control Panel](#)

Standards

ASTM D2850, ASTM D4767, ASTM D7181, ASTM D5084, AASHTO T296, AASHTO T297

Further Information

110vAC, 50/60 Hz, 1Ø.

Specification

Measurement Range	10-4 to 10-10 cm/sec.
Master Regulator	2 to 150 psi (14 -1,034 kPa), dual scale.
Master Pressure Gauge	2 to 160 psi (14 -1,103 kPa), dual scale.
Master Vacuum Gauge	0 to -30 inches of Hg (0-100 kPa), dual scale.
Digital Pressure Meter	English: 2 to 15 0 psi range; $\hat{A}\pm 0.1$ psi; $\hat{A}\pm 0.25$ % accuracy full scale. Metric: 14 to 1,034 kPa range; $\hat{A}\pm 1$ kPa; $\hat{A}\pm 0.25$ % accuracy full scale.
Burette Pressure Regulators	Three; 2 to 15 0 psi (14 -1,034 kPa).
Burette/Annulus	Three; 25 /400 ml capacity with 0.1 ml burette graduations.
Utilities Required	Water, vacuum, Dry air pressure, drain and AC power supply.
Dimensions	21 \hat{a} w. x 36-3/4 \hat{a} h. x 7 \hat{a} d. (17 \hat{a} d. with legs); (533 x 933 x 178 mm).

Product Sheet

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Weight

Net 50 lbs. (22 .7 kg).

Accessories



Auxiliary Control Panel

Code: [25-0699](#)



Pressure Interface Chamber

Code: [25-0695](#)

Alternatives



High Vacuum Pump

Code: [88-3110/02](#)



Tri-Flex 2 Master Control Panel, English 110vAC

Code: [25-0696/02](#)



Tri-Flex 2 Master Control Panel, English 220vAC

Code: [25-0696/01](#)



Tri-Flex 2 Master Control Panel, Metric 220vAC

Code: [25-0697/01](#)



Tri-Flex 2 Water De-airing Tank System

Code: [25-0698](#)



Tri-Flex 2 Water De-airing Tank System

Code: 25-0698

Product Group: Tri-Flex 2 Auxiliary Control Panel, Tri-Flex 2 Master Control Panel, Tri-Flex 2 Water De-Airing Tank System, Tri-Flex 2 One-Cell Permeability Test System

Standards

ASTM D2850, ASTM D4767, ASTM D7181, ASTM D5084, AASHTO T296, AASHTO T297

Specification

Construction	Clear acrylic construction with stainless steel threaded clamping rods.
Seals	O-ring, top & bottom.
Relief Valve	Preset at 10 psi (69 kPa).
Capacity	1.4 gals. (5.3 litres).
Dimensions	6" diam. x 16" (152.4 x 406.4 mm).
Weight	Net 7.5 lbs. (3.4 kg).

Accessories



Auxiliary Control Panel

Code: 25-0699

Alternatives



Tri-Flex 2 Master Control Panel, English 110vAC

Code: [25-0696/02](#)



Tri-Flex 2 Master Control Panel, English 220vAC

Code: [25-0696/01](#)



Tri-Flex 2 Master Control Panel, Metric 110vAC

Code: [25-0697/02](#)



Tri-Flex 2 Master Control Panel, Metric 220vAC

Code: [25-0697/01](#)



USB to Serial Adapter

Code: [27-1701](#)

Product Group: [Geotechnical Data Acquisition Unit \(GDU\)](#)



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).

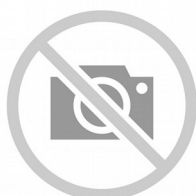
Product Sheet

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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



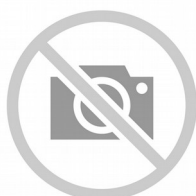
1.4" Base Pedestal

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](#)



Digital Pressure Gauge 1700Kpa. for Ele Triaxial Cells.

Code: [27-1620](#)



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](#)



1.4" Specimen Cap

Code: [25-4250](#)

Product Group: [Specimen Caps](#)

Standards

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

Accessories



2.8" Specimen Cap

Code: [25-6630](#)



Drainage Line for 25-4250

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



Pressure Pad 70mm Diameter.

Code: [25-6430](#)

Alternatives



2.8" Specimen Cap

Code: [25-6630](#)



Drainage Line for 25-4250

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



Pressure Pad 70mm Diameter.

Code: [25-6430](#)



1.4" Base Pedestal

Code: [25-4170](#)

Product Group: [Base Pedestals](#)

Standards

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

Accessories



2.8" Base Pedestal

Code: [25-4178](#)



70mm Base Adaptor for 70mm Cells.

Code: [25-4176](#)

Alternatives



2.8" Base Pedestal

Code: [25-4178](#)



70mm Base Adaptor for 70mm Cells.

Code: [25-4176](#)



Drainage Line for 25-4250

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

Product Group: [Replacement Drainage Line](#)

1.4" Specimen Cap

Accessories



1.4" Specimen Cap

Code: [25-4250](#)



Drainage Line for 25-6430

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

Alternatives



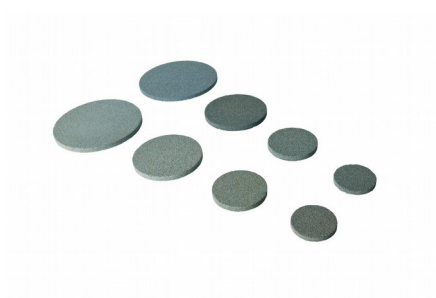
1.4" Specimen Cap

Code: [25-4250](#)



Drainage Line for 25-6430

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



1.4" Porous Stones

Code: [25-4461](#)

Product Group: [Porous Stones, Tri-Flex 2](#)
[Permeability Test Cell](#)

1.4" diameter porous stones (pack of 2)

Standards

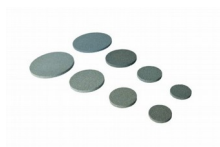
ASTM D2850, ASTM D4767, ASTM D5084, AASHTO T296, AASHTO T297, ASTM D7181

Accessories



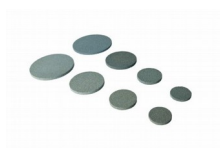
4.0" Porous Stones

Code: [25-7761](#)



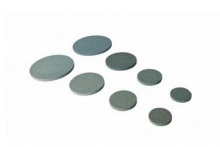
Porous Disc 100mm Diameter Pack of 2.

Code: [25-7661](#)



Porous Disc 70mm Diameter Pack of 2.

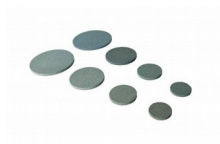
Code: [25-6561](#)



Porous Stones 2.8"

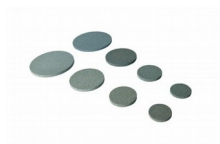
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Alternatives



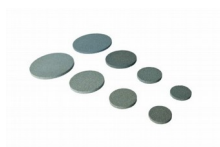
4.0" Porous Stones

Code: [25-7761](#)



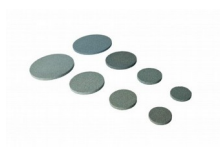
Porous Disc 100mm Diameter Pack of 2.

Code: [25-7661](#)



Porous Disc 70mm Diameter Pack of 2.

Code: [25-6561](#)



Porous Stones 2.8"

Code: [25-6721](#)



1.4" (35 mm) Sealing Rings

Code: [25-4281](#)

Product Group: [Sealing Rings, Tri-Flex 2 Permeability Test Cell](#)

Standards

ASTM D2850, ASTM D4767, ASTM D5084, AASHTO T296, AASHTO T297

Accessories



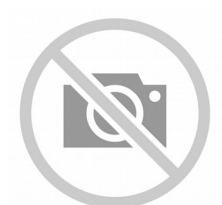
Membrane Sealing Ring 100mm Diameter. Pack of 10.

Code: [25-7631](#)



Membrane Sealing Ring 70mm Diameter Pack of 10.

Code: [25-6461](#)



Membrane Sealing Rings 2.8"

Code: [25-6641](#)

Alternatives



Membrane Sealing Ring 100mm Diameter. Pack of 10.

Code: [25-7631](#)



Membrane Sealing Ring 70mm Diameter Pack of 10.

Code: [25-6461](#)



Membrane Sealing Rings 2.8"

Code: [25-6641](#)



1.4" Filter Paper Drains

Code: [25-4880](#)

Product Group: [Filter Paper Drains](#)

Pack of 50

Standards

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

Accessories



Filter Paper Drain 100mm/4 inch Diameter. Pack of 50.

Code: [25-7670](#)



Filter Paper Drain 70mm/2.8 inch Diameter. Pack of 50.

Code: [25-6580](#)

Alternatives



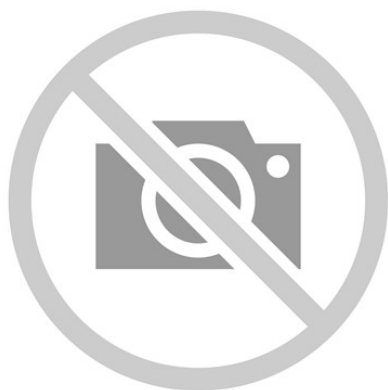
Filter Paper Drain 100mm/4 inch Diameter. Pack of 50.

Code: [25-7670](#)



Filter Paper Drain 70mm/2.8 inch Diameter. Pack of 50.

Code: [25-6580](#)



1.4" (35 mm) Rubber Membranes

Code: [25-4261](#)

Product Group: [Rubber Membranes, Tri-Flex 2](#)
[Permeability Test Cell](#)

Standards

ASTM D2850, ASTM D4767, ASTM D5084, AASHTO T296, AASHTO T297, ASTM D7181

Accessories



Rubber Membrane 100mm/4 Inch Diameter. Pack of 10

Code: [25-7621](#)



Rubber Membrane 70mm/2.8 Inch Diameter. Pack of 10.

Code: [25-6441](#)

Alternatives



Rubber Membrane 100mm/4 Inch Diameter. Pack of 10

Code: [25-7621](#)



Rubber Membrane 70mm/2.8 Inch Diameter. Pack of 10.

Code: [25-6441](#)



1.4" Suction Membrane Device

Code: [25-4300](#)

Product Group: [Suction Membrane Device](#)

Accessories



Suction Membrane Device 100mm/4 Inch Diameter.

Code: [25-7640](#)



Suction Membrane Device 70mm Diameter.

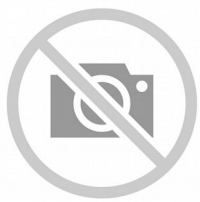
Code: [25-6480](#)

Alternatives



Suction Membrane Device 100mm/4 Inch Diameter.

Code: [25-7640](#)



Suction Membrane Device 70mm Diameter.

Code: [25-6480](#)



1.4" Two-Way Split Formers

Code: [25-4320](#)

Product Group: [Two-Way Split Formers](#)

Accessories



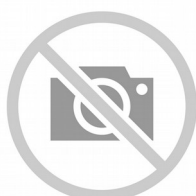
2.8" Two-Way Split Formers

Code: [25-6680](#)



Two-Way Split Former 100mm Diameter.

Code: [25-7650](#)



Two-Way Split Former 70mm Diameter.

Code: [25-6500](#)

Alternatives



2.8" Two-Way Split Formers

Code: [25-6680](#)



Two-Way Split Former 100mm Diameter.

Code: [25-7650](#)



Two-Way Split Former 70mm Diameter.

Code: [25-6500](#)



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](#)



Pressure Interface Chamber

Code: [25-0695](#)

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](#)



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

Code: [25-4166](#)

Product Group: [Specimen Base Adaptors, Base Pedestals](#)

38mm/1.5 Inch Base Adaptor with Twin Pore Pressure Ports for 50mm Cells.

Standards

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

Accessories



100 mm Base Adaptor for 100 mm Triaxial Cell.

Code: [25-4186](#)



50mm Base Adapter for 50mm Cells.

Code: [25-4168](#)



50mm Base Adaptors for 70mm Cells.

Code: [25-4174](#)



70mm Base Adaptor for 70mm Cells.

Code: [25-4176](#)

Alternatives



100 mm Base Adaptor for 100 mm Triaxial Cell.

Code: [25-4186](#)



50mm Base Adapter for 50mm Cells.

Code: [25-4168](#)



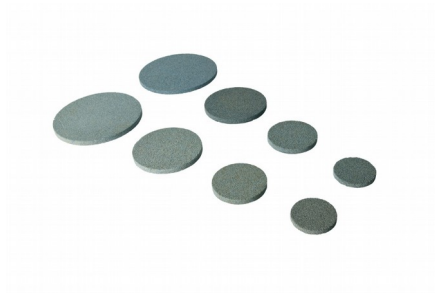
50mm Base Adaptors for 70mm Cells.

Code: [25-4174](#)



70mm Base Adaptor for 70mm Cells.

Code: [25-4176](#)



Porous Disc 38mm/1.5 inch Diameter. Pack of 2.

Code: [25-5181](#)

Product Group: [Accessories for CU/CU effective stress, Porous Stones](#)

Porous disc for 38 mm/1.5 inch samples (Pack of 2).



Membrane Sealing Ring 1.5"

Code: [25-5081](#)

Product Group: [Sealing Rings](#)

Membrane Sealing Ring 38Mm Diameter (Pack Of 10).



Filter Paper Drain 38mm/1.5 inch Diameter. Pack of 50.

Code: [25-5200](#)

Product Group: [Accessories for CU/CU effective stress, Filter Paper Drains](#)

Filter paper drain 38 mm diameter (Pack of 50).



Rubber Membrane 38mm/1.5 Inch Diameter. Pack of 10.

Code: [25-5061](#)

Product Group: [Rubber Membranes](#)

Rubber Membrane For 38Mm/1.5 Inch Samples
(Pack Of 10).

Standards

AASHTO T296, AASHTO T297, ASTM D2850, ASTM D4767, ASTM D5084, ASTM D7181



1.4" Membrane Testers

Code: [25-4263](#)

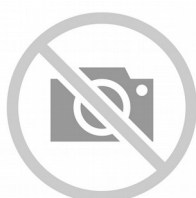
Product Group: [Membrane Testers](#)

Accessories



100 mm Membrane Testers

Code: [25-7623](#)



Membrane Tester 2.8"

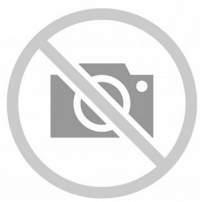
Code: [25-6443](#)

Alternatives



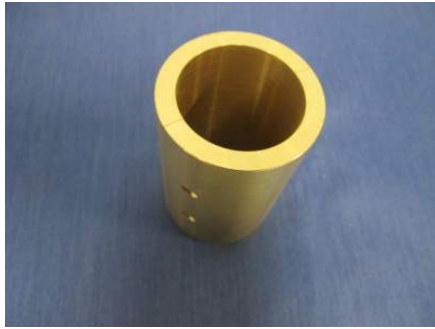
100 mm Membrane Testers

Code: [25-7623](#)



Membrane Tester 2.8"

Code: [25-6443](#)



Two Part Split Mould 38mm

Code: [25-5130](#)

Product Group: [Two-way Split Moulds](#), [Two-Part Split Mould](#)



Suction Membrane Device 38mm/1.5 Inch Diameter.

Code: [25-5100](#)

Product Group: [Suction Membrane Devices](#), [Suction Membrane Device](#)

Suction Membrane Device For 38Mm/1.5 Inch Samples.



Two-Way Split Former 38mm/1.5 Inch Diameter.

Code: [25-5120](#)

Product Group: [Two-way Split Formers](#), [Two-Way Split Formers](#)

Two-Way Split Former For 38Mm/1.5 Inch Samples.



Membrane Placing Tool 35mm/38mm.

Code: [25-4290](#)

Product Group: [Membrane Placing Tools, O-Ring Placing Tools](#)

Membrane Placing Tool For 35Mm/1.4 Inch And 38Mm/1.5 Inch Samples.

Standards

ASTM D2850, ASTM D4767, ASTM D5084, AASHTO T296, AASHTO T297, ASTM D7181

Accessories



Membrane Placing Tool 100mm/4 Inch Diameter.

Code: [25-7610](#)



Membrane Placing Tool 70mm/2.8 Inch Diameter.

Code: [25-6470](#)

Alternatives



Membrane Placing Tool 100mm/4 Inch Diameter.

Code: [25-7610](#)



Membrane Placing Tool 70mm/2.8 Inch Diameter.

Code: [25-6470](#)

Pressure Pad 50mm Diameter.

Code: [25-5430](#)

Product Group: [Specimen Caps, Pressure Pads](#)

50 mm diameter pressure pad. The pad shall have two empty ports and will come complete with two blanking plugs, plastic tubing and connector. Suitable For both drained and undrained tests.



Standards

AASHTO T296, AASHTO T297, ASTM D2850, ASTM D4767, ASTM D5084, ASTM D7181



50mm Base Adaptors for 70mm Cells.

Code: [25-4174](#)

Product Group: [Base Pedestals](#), [Specimen Base Adaptors](#)

50mm Base Adaptor with Twin Pore Pressure Ports for 70mm Cells.

Standards

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

Accessories



100 mm Base Adaptor for 100 mm Triaxial Cell.

Code: [25-4186](#)



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

Code: [25-4166](#)



50mm Base Adapter for 50mm Cells.

Code: [25-4168](#)



70mm Base Adaptor for 70mm Cells.

Code: [25-4176](#)

Alternatives



100 mm Base Adaptor for 100 mm Triaxial Cell.

Code: [25-4186](#)



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

Code: [25-4166](#)



50mm Base Adapter for 50mm Cells.

Code: [25-4168](#)



70mm Base Adaptor for 70mm Cells.

Code: [25-4176](#)



Drainage Line for 25-5430

Code: [25-5430/10](#)

Product Group: [Replacement Drainage Line](#)



Porous Disc 50mm Pack of 2

Code: [25-5561](#)

Product Group: [Accessories for CU/CU effective stress, Porous Stones](#)

50 mm diameter porous disc (Pack Of 2).



Membrane Sealing Ring 50mm Diameter Pack of 10.

Code: [25-5461](#)

Product Group: [Membrane Sealing Rings](#), [Sealing Rings](#)

50 mm diameter membrane sealing ring (Pack Of 10).

Standards

AASHTO T296, AASHTO T297, ASTM D2850, ASTM D4767, ASTM D5084



Filter Paper Drain 70mm/2.8 inch Diameter. Pack of 50.

Code: [25-6580](#)

Product Group: [Accessories for CU/CU effective stress, Filter Paper Drains](#)

Filter paper drain 70 mm diameter (Pack Of 50).

Standards

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

Accessories



1.4" Filter Paper Drains

Code: [25-4880](#)



Filter Paper Drain 100mm/4 inch Diameter. Pack of 50.

Code: [25-7670](#)

Alternatives



1.4" Filter Paper Drains

Code: [25-4880](#)



Filter Paper Drain 100mm/4 inch Diameter. Pack of 50.

Code: [25-7670](#)



70 mm Filter Paper Discs

Code: [25-6585](#)

Product Group: [Filter Paper Discs](#)

Pack of 100

Standards

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



Rubber Membrane 50mm Diameter Pack of 10.

Code: [25-5441](#)

Product Group: [Rubber Membranes](#)

50 mm diameter rubber membrane (Pack Of 10).

Standards

AASHTO T296, AASHTO T297, ASTM D2850, ASTM D4767, ASTM D5084, ASTM D7181



Two Part Split Mould 50mm

Code: [25-5530](#)

Product Group: [Two-way Split Moulds](#), [Two-Part Split Mould](#)



Suction Membrane Device 50mm Diameter.

Code: [25-5480](#)

Product Group: [Suction Membrane Devices, Suction Membrane Device](#)

50 mm Diameter Suction Membrane Device.



Two-Way Split Former 50mm Diameter.

Code: [25-5500](#)

Product Group: [Two-way Split Formers](#), [Two-Way Split Formers](#)

50 mm Diameter Two-Way Split Former.



Membrane Placing Tool 50mm Diameter.

Code: [25-5470](#)

Product Group: [Membrane Placing Tools, O-Ring Placing Tools](#)

50 mm Diameter Membrane Placing Tool.

Standards

AASHTO T296, AASHTO T297, ASTM D2850, ASTM D4767, ASTM D5084, ASTM D7181