



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

This wishlist was generated on 01/08/2017, and contains the following Products:

24-9095/02

Automatic Soil Compactor ASTM 110-120V 60Hz 1Ph

26-2114/02

Digital Direct/Residual Shear Apparatus Complete with Lever Loading Assembly. 110-120V 50/60Hz 1Ph.

25-4168

50mm Base Adapter for 50mm Cells.

25-5430

Pressure Pad 50mm Diameter.

25-4047

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

25-5430/10

Drainage Line for 25-5430

88-3115

High Vacuum Grease

25-4200

Piston Restraint Clamp for Ele Triaxial Cells

25-4520

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

45-3820/02

Centrifuge Extractor 1,500 g

88-6012

Graduated Cylinder

23-4200

Proctor/Core Cutter Extruder Frame and Hydraulic Jack. Extrudes 100mm/4 Inch Diameter Specimens



Automatic Soil Compactor ASTM 110-120V 60Hz 1Ph

Code: [24-9095/02](#)

Product Group: [Automatic Compactors](#), [Automatic Soil Compactor](#)

Standards

ASTM D558, ASTM D559, ASTM D560, ASTM D698, ASTM D1557, AASHTO T99, AASHTO T134, AASHTO T135, AASHTO T136, AASHTO T180

Specification

Hammer	Circular faced, 2.0" (50.8 mm) dia. foot; selectable to either 5.5 lb.(2.5 kg) or 10 lb. (4.5 kg) weight.
Drop	Adjustable to either 12 " (305 mm) or 18" (457 mm)
Controls	Digital counter system, selector switch for either standard proctor test or modified proctor/CBR testing.
Dimensions	10" w. x 17" d. x 55 " h. (250 x 430 x 1,400 mm).
Weight	Net 41.9 lbs. (190 kg).

Accessories



ASTM Compaction Mould 152mm.

Code: [24-9066](#)



Calibration Kit For Automatic Soil Compactor

Code: [24-9095/12](#)



Proctor Mould

Code: [24-9060](#)

Spares/Consumables



Lead Cylinders

Code: [24-9095/13](#)



Modified Compaction Mould

Code: [24-9098](#)



Standard Compaction Mould

Code: [24-9097](#)

Alternatives



Automatic Soils Compactor ASTM 220-240V 50Hz 1Ph.

Code: [24-9095/01](#)



Automatic Soils Compactor ASTM 220-240V 60Hz 1Ph.

Code: [24-9095/06](#)



Digital Direct/Residual Shear Apparatus Complete with Lever Loading Assembly. 110-120V 50/60Hz 1Ph.

Code: 26-2114/02

Product Group: Direct/Residual Shear Apparatus,
Direct/Residual Shear Apparatus

- Microprocessor control
- Large on-board LCD screen display
- Direct entry via touch sensitive keyboard
- Rapid approach and return to start datum
- Fully variable speed, 0.00001 to 9.99999 mm/minute
- Accepts specimens up to 100 mm square

The ELE Direct Shear Apparatus accepts specimens 60 mm, 100 mm square or 2.5 inches in diameter. The use of a microprocessor controlled drive system and keyboard entry gives the apparatus a wide range of features that include pause and speed reset during test, RS 232C interface, operator programming of speed and control functions, self test diagnostics and many other features. A return to start datum provides a positive means of reversing the shearbox when either preparing for a new test or continuing with residual testing procedures.

Safety forward/reverse travel limit switches are fitted as standard and monitored through the electronics system control.

The electronics are housed in a modern moulded shroud, which includes a large LCD display and keyboard entry. The apparatus is enclosed in a robustly constructed case, has been designed for floor mounting and is supplied complete with carriage, loading hanger and 10:1 lever loading device

Standards

ASTM D3080, AASHTO T236

Further Information

for 110 - 120 V AC, 50 - 60 Hz, 1 ph.

Specification

Sample Size

Accepts either 2.42 ", 2.5" diam.; 60 mm square samples using accessory shear box assemblies, not included.

Speed Range

Variable in either English or Metric units between

Shear Force	0.000001"
Vertical Load	(0.00001 mm) to 0.399999" (9.99999 mm) per minute.
Dimensions	1,100lbf. (5.0 kN) maximum. 2,200 lbf. (10.0 kN) using 10:1 lever ratio.
Weight	44.7" l. x 12 .6" w. x 49.6" h. (1,135 x 320 x 1,260 mm). Net 181 lbs. (82 kg).

Accessories



Clamped Boss Load Ring - 2.0 kN

Code: [78-0060](#)



Clamped Boss Load Ring - 3.0 kN

Code: [78-0160](#)



Clamped Boss Load Ring - 4.5 kN

Code: [78-0260](#)



Dial Gauge 10mm Travel X 0.002mm Divisions.

Code: [25-0440](#)



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

Code: [78-0264](#)



Digital Proving Ring, 450 lbs (2.0 kN)

Code: [78-0064](#)



Mechanical Dial Indicator - 25 mm Range Clockwise Movement

Code: [88-4110](#)



S-Type Load Cell 5 kN.for Triaxial Tests. Fitted with 5 Pin Din Plug.

Code: [27-1551](#)



Set of Weights 50 kg Slotted.

Code: [26-2132](#)



Shear Box Assembly 100mm Sq.

Code: [26-2197](#)



Shear Box Assembly 2.5 Inch Diameter

Code: [26-2213](#)



Shear Box Assembly 60mm Sq.

Code: [26-2181](#)



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

Code: [27-1689](#)



Weight Set A

Code: [25-0535](#)



Weight Set B

Code: [25-0537](#)

Spares/Consumables



Dial Indicator - 1.0" Range

Code: [88-4100](#)



Electronic Digital Indicator, 0.600"/15 mm range

Code: [88-4210](#)



Vertical Dial Indicator, English

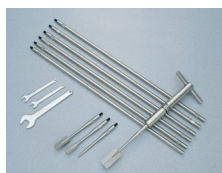
Code: [25-0445](#)

Alternatives



Digital Direct/Residual Shear Apparatus Complete with Lever Loading Assembly. 220-240V 50/60Hz 1Ph.

Code: [26-2114/01](#)



H60 Field Inspection Vane Tester 0-200Kpa In Carrying Case. includes calibration and certificates.

Code: [26-3335](#)



Hand Vane Tester

Code: 26-3346



Laboratory Vane Apparatus with 4 Springs and 12.7mm Vane; Hand Operated.

Code: 26-2270



Pocket Shearmeter with 3 Vanes 0 to 1Kgf/Cm2 X 0.5Kgf/Cm2.

Code: 26-2261



50mm Base Adapter for 50mm Cells.

Code: [25-4168](#)

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

50mm Base Adapter 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](#)



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

Code: [25-4166](#)



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](#)



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

Code: [25-4166](#)



50mm Base Adaptors for 70mm Cells.

Code: [25-4174](#)



70mm Base Adaptor for 70mm Cells.

Code: [25-4176](#)

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 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](#)



Drainage Line for 25-5430

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

Product Group: [Replacement Drainage Line](#)



High Vacuum Grease

Code: [88-3115](#)

Product Group: [General Cell Accessories](#), [High Vacuum Pump](#), [Standard Vacuum Pump](#)

5.3 oz. (150 g) tube.



Piston Restraint Clamp for Ele Triaxial Cells

Code: [25-4200](#)

Product Group: [Aggressive Materials, General Cell Accessories](#)

For ELE Triaxial Cells Manufactured From July 1996.

Standards

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

Further Information

To lock the loading piston into position



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

Code: [25-4520](#)

Product Group: [Accessories for CU/CU effective stress, General Cell Accessories](#)

Standards

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



Centrifuge Extractor 1,500 g

Code: [45-3820/02](#)

Product Group: [Asphalt Centrifuge Extractors](#),
[Bitumen Extraction Test](#)

Standards

ASTM D2172, AASHTO T164

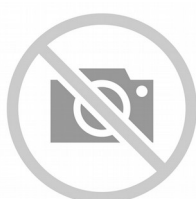
Further Information

120vAC, 60 Hz, 1Ø.

Specification

Control	Variable speed, 0-3,600 rpm; brake for fast stopping.
Motor	1/6 h.p.
Cover	Aluminum; removable, with integral cup for adding solvent.
Housing	Aluminum; removable, sealed.
Bowl	Aluminum; removable.
Filter Discs	10 included.
Dimensions	17" w. x 17" d. x 18" h. (432 x 432 x 457 mm).
Weight	Net 85 lbs. (38.6 kg).

Accessories



Biodegradable Solvent

Code: [45-3845](#)

Alternatives



Centrifuge Extractor 3,000 g

Code: [45-3825/02](#)



Graduated Cylinder

Code: [88-6012](#)

Product Group: [Glass Graduated Cylinders, Bitumen Extraction Test](#)

1000 ml

Further Information

2 units required for Bitumen Extraction Test.

Specification

Numbering

Double; with zero at top and bottom.

Packing

1 cylinder/carton.

Alternatives



Glass Graduated Cylinder - 10 ml Capacity

Code: [88-6000](#)



Glass Graduated Cylinder - 100 ml Capacity

Code: [88-6007](#)



Glass Graduated Cylinder - 25 ml Capacity

Code: [88-6002A](#)



Glass Graduated Cylinder - 50 ml Capacity

Code: [88-6004](#)



Glass Graduated Cylinder - 500 ml Capacity

Code: [88-6010](#)



Graduated Cylinder

Code: [88-6012](#)



Plastic Graduated Cylinder - 1 Litre Capacity

Code: [88-6030](#)



Plastic Graduated Cylinder - 100 ml Capacity

Code: [88-6024](#)



Plastic Graduated Cylinder - 50 ml Capacity

Code: [88-6022](#)



Plastic Graduated Cylinder - 500 ml Capacity

Code: [88-6028](#)



Proctor/Core Cutter Extruder Frame and Hydraulic Jack. Extrudes 100mm/4 Inch Diameter Specimens

Code: 23-4200

Product Group: [Soil Extruders, Accessories for manual and automatic compaction](#)

Adaptor plates will be supplied; extrudes samples from BS Compaction Mould, Proctor Mould 100 mm, Core Cutter and Marshall Mould. Maximum extrusion force 20kn.

Standards

BS 1377-1

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Accessories

Steel Block

Code: 45-6463



Alternatives



38mm Hand Operated Hydraulic Sample Extruder with Trimming Knife 38mm Split Former & Cutting Tool.

Code: 23-4090



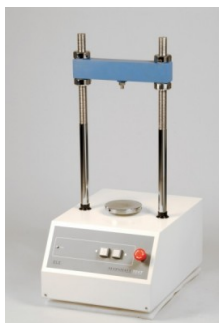
Cbr/Core Cutter Extruder Frame and Hydraulic Jack Extrudes 150mm/6 Inch Diameter Specimens.

Code: 23-4250



Marshall Test 50

Code: 45-6810/01



Marshall Test 50

Code: 45-6810/06