



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

This wishlist was generated on 15/06/2017, and contains the following Products:

24-9150/01

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

24-9182

Penetration Piston

24-9186

Penetration Dial Gauge BS

24-9188

Bracket and Adaptor. Dual Purpose Mounting Bracket for CBR Penetration Gauges EL24-9184/EL24-9186

24-9214

2Kg Annular Surcharge Weight

24-9216

2Kg Split Surcharge Weight.

78-0760

Clamped Boss Load Ring - 28.0 kN

24-9202

BS Perforated Base Plate.

24-9206

Cbr Cutting Collar with Area Ratio of 21.9% to Fit BS Moulds.

24-9208

C-Spanner for BS Cbr Mould. Two Required.

24-9210

Base Plate Tool for BS Mould

24-9212

Static Compaction Plug.

24-9237

Spacer Disc 5-7/8" Diameter

24-9220

Filter Papers 150mm Dia Equivalent to Whatman No 1. Box of 100.

79-1595

200mm Dia BS Sieve 20.0mm Perforated Plate.

24-9002

Standard Compaction Rammer 2.5kg BS1377

24-9004

BS Compaction Rammer 4.5Kg Wt.

24-9198

BS Cbr Mould Body.

24-9200

BS Extension Collar

24-9204

BS Solid Base or Top Plate

29-3720

Dynamic Cone Penetrometer 8Kg Hammer (Trl Design).

79-0050

200mm Dia BS Sieve 45 Mic Stainless Steel Mesh.

79-0010

200 mm Diameter Lid

79-0020

200 mm Diameter Receiver

78-5457/01

Electronic Balance - 8 000 g x 0.1 g

23-3000

Riffle Box 7mm Slot Width Complete with Three Containers.

82-1970

Evaporating Dish - 100 x 40 mm

82-2000

Evaporating Dish - 150 x 45 mm

Contents

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81-4020

Sample Tray - 306 x 306 x 38 mm

81-0200

Aluminium Scoop Small

79-7200

Sieve Brush Brass and Nylon

24-1800

Shrinkage Mould to BS 1377

81-0120

Spatula 150 mm

81-0590

Vernier Caliper (LCD) Range 0 to 200mm X 0.01mm

24-0540

Cone Penetrometer. Complete with Stainless Steel Test Cone.

24-0546

Test Gauge for Checking Condition of Cone Point.

24-0548

Penetration Test Cup.

24-0410

Liquid Limit Device BS with Counter. C/W Metal Grooving Tool & Test Gauge.

82-2500

Wash Bottle

24-9010

Straight Edge 300mm.

81-0521

Stopwatch

24-0430

Glass Plate.

36-1410/01

**1000/500kN Motorised Compression/Tension Machine (complete with grips)
220-240V 50/60Hz 1Ph.**

25-3518/01

Digital Tritest 50 Load Frame

25-4117

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

25-4176

70mm Base Adaptor for 70mm Cells.

25-4210

Dial Gauge 25mm Travel X 0.01mm Divisions

25-6430

Pressure Pad 70mm Diameter.

25-6441

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

25-6461

Membrane Sealing Ring 70mm Diameter Pack of 10.



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

Code: [24-9150/01](#)

Product Group: [CBR Load Frames](#)

- Single speed machine (BS/EN and ASTM)
- Rapid platen adjustment
- Complete with stabilising bar
- Compact, bench-mounting design
- Options for mechanical or electronic measurement

Designed for performing laboratory CBR tests to BS 1377, EN13286-47 and ASTM D1883, this bench mounting machine comprises a twin column frame incorporating a motorised drive system. Rapid adjustment of the platen is provided, which enables daylight to be taken up quickly and also close control of application of a seating load.

Standards

BS 1377, BS 1924, EN 13286-47, ASTM D1883, AASHTO T193

Specification

Dimensions (l x w x h)	550 x 400 x 1220 mm
Max vertical clearance	800 mm
Horizontal clearance	255 mm
Platen diameter	133 mm
Platen travel	105 mm
Weight kg	80

Accessories



50kN Clamped Boss Load Ring

Code: [78-0860](#)



50kN S-type Load Cell

Code: [27-1559](#)



ASTM Cbr Mould Complete with Collar & Perforated Base

Code: [24-9228](#)



BS Cbr Mould Body.

Code: [24-9198](#)



BS Extension Collar

Code: [24-9200](#)



BS Solid Base or Top Plate

Code: [24-9204](#)



Cbr Penetration Piston (Adjustable).

Code: [24-9183](#)



CBR Penetration Transducer 50mm Travel Fitted with 5 Pin Din Plug.

Code: [27-1705](#)



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](#)



Penetration Dial Gauge BS

Code: [24-9186](#)



Penetration Piston

Code: [24-9182](#)



Penetration/Swell Dial Gauge ASTM.

Code: [24-9184](#)

Alternatives



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

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



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

Code: [24-9150/06](#)



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

Code: [24-9150/01](#)



MultiPlex 50 Load Frame

Code: [25-3700/01](#)



Penetration Piston

Code: [24-9182](#)

Product Group: [Penetration Measurement](#)

1.935 mm² (3 in²) area foot of case hardened steel.
Designed to fit all ELE load rings.



Penetration Dial Gauge BS

Code: [24-9186](#)

Product Group: [In-situ CBR](#), [Conversion of In-situ to Laboratory CBR](#), [Penetration Measurement](#)

Complete with rack extensions and chisel edge anvil. 25 mm travel x 0.01 mm divisions.

Standards

BS 1377, BS 1924



Bracket and Adaptor. Dual Purpose Mounting Bracket for CBR Penetration Gauges EL24-9184/EL24-9186

Code: 24-9188

Product Group: In-situ CBR, Conversion of In-situ to Laboratory CBR, Penetration Measurement

Dual purpose mounting bracket for CBR penetration dial gauges. Allows gauge to be fixed to penetration piston or load ring.

Standards

BS 1377, BS 1924



2Kg Annular Surcharge Weight

Code: [24-9214](#)

Product Group: [BS EN CBR mould accessories](#)

Standards

EN 13286-4, BS 1377-4, BS 1924-2

Accessories



BS Solid Base or Top Plate

Code: [24-9204](#)

Alternatives



BS Solid Base or Top Plate

Code: [24-9204](#)



2Kg Split Surcharge Weight.

Code: [24-9216](#)

Product Group: [BS EN CBR mould accessories](#)

Standards

EN 13286-4, BS 1377-4, BS 1924-2



Clamped Boss Load Ring - 28.0 kN

Code: 78-0760

Product Group: Clamped Boss Load Rings, Digital Tritest 50 Load Frame, Load Measurement, Proving Rings, CBR-Test 50 Machine, Conversion of In-situ to Laboratory CBR, Load Measurement, CBR Loading Press, Hand-Operated, Force measurement

Standards

BS 1377, BS 1924

Specification

Capacity: kN, kgf, lbf	28.0, 2800, 6000
Typical Design sensitivity: N/div, kgf/div, lbf/div	25.5, 2.54, 5.45
Overall height mm	248
Approx weight kg	5.4
Capacity	28 kN
Value of CBR	Average range of CBR
Capacity - lbf	6,000
Capacity - kN	28
Capacity - kgf	2,800
Typical Design Sensitivity - lbf/div	5.45
Typical Design Sensitivity - kN/div	25.5
Typical Design Sensitivity - Kgf/div	2.54
Overall Height	9.76" (248 mm)
Approx Weight	11 .9 lbs.(5.4 kg)

Accessories



50kN Clamped Boss Load Ring

Code: 78-0860



Clamped Boss Load Ring - 10.0 kN

Code: [78-0460](#)



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

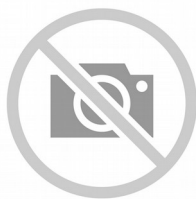
Code: [78-0260](#)



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

Code: [78-0764](#)

Spares/Consumables



Spare Dial Indicator for Load Rings

Code: [78-5461](#)

Alternatives



50kN Clamped Boss Load Ring

Code: [78-0860](#)



Clamped Boss Load Ring - 10.0 kN

Code: [78-0460](#)



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](#)



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

Code: [78-0764](#)



BS Perforated Base Plate.

Code: [24-9202](#)

Product Group: [BS EN CBR mould accessories](#)

To fit mould body

Standards

EN 13286-4, BS 1377-4, BS 1924-2

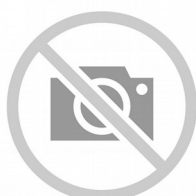
Accessories



BS Solid Base or Top Plate

Code: [24-9204](#)

Alternatives



BS Solid Base or Top Plate

Code: [24-9204](#)



Cbr Cutting Collar with Area Ratio of 21.9% to Fit BS Moulds.

Code: [24-9206](#)

Product Group: [BS EN CBR mould accessories](#)

To fit BS/EN mould body.

Standards

EN 13286-4, BS 1377-4, BS 1924-2

Accessories



BS Solid Base or Top Plate

Code: [24-9204](#)

Alternatives



BS Solid Base or Top Plate

Code: [24-9204](#)



C-Scanner for BS Cbr Mould. Two Required.

Code: [24-9208](#)

Product Group: [BS EN CBR mould accessories](#)

To fit BS/EN CBR moulds and collars. Two required.

Standards

BS 1377-4, BS 1924-2, EN 13286-4



Base Plate Tool for BS Mould

Code: [24-9210](#)

Product Group: [BS EN CBR mould accessories](#)

To fit into base plate to assist removal from mould body.

Standards

EN 13286-4, BS 1377-4, BS 1924-2

Accessories



BS Solid Base or Top Plate

Code: [24-9204](#)

Alternatives



BS Solid Base or Top Plate

Code: [24-9204](#)



Static Compaction Plug.

Code: [24-9212](#)

Product Group: [BS EN CBR mould accessories](#)

Steel, 150 mm dia x 51 mm thick. Complete with removable handle.

Standards

EN 13286-4, BS 1377-4, BS 1924-2



Spacer Disc 5-7/8" Diameter

Code: [24-9237](#)

Product Group: [Spacer Discs](#)

5-7/8" diam. x 2" h. (147.6 x 50.8 mm).

Specification

Construction

Steel; machined on all sides.

Finish

Plated.

Weights

Net 15.4 lbs. (7 kg).

Accessories



ASTM Spacing Disc.

Code: [24-9238](#)



Filter Papers 150mm Dia Equivalent to Whatman No 1. Box of 100.

Code: [24-9220](#)

Product Group: [BS EN CBR mould accessories](#)

Box of 100.

Standards

EN 13286-4, BS 1377-4, BS 1924-2

Accessories



BS Solid Base or Top Plate

Code: [24-9204](#)

Alternatives



BS Solid Base or Top Plate

Code: [24-9204](#)



200mm Dia BS Sieve 20.0mm Perforated Plate.

Code: 79-1595

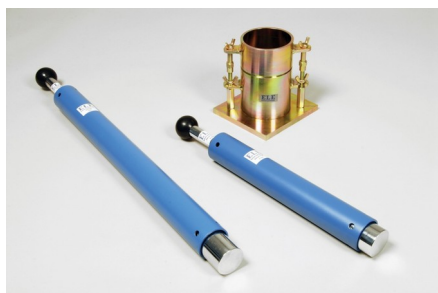
Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

Further Information

NOT AVAILABLE FOR SALE IN THE USA



Standard Compaction Rammer 2.5kg BS1377

Code: [24-9002](#)

Product Group: [BS/EN compaction test 2.5kg](#)

50mm diameter with 300mm drop, manufactured from corrosion protected steel.

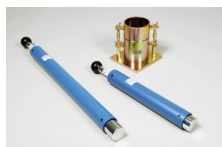
Standards

BS 1377-4, BS 1924-2

Specification

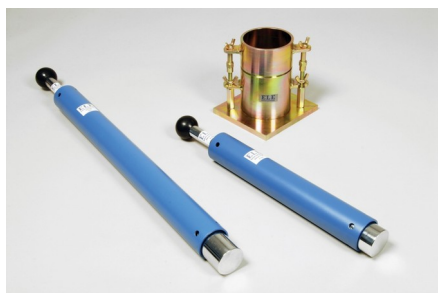
Rammer	50 mm dia, 2.5 kg
Drop	300 mm
Guide Sleeve	Machined steel tubing with air pressure release holes
Finish	Corrosion resistant
Weight kg	4.2

Alternatives



BS Compaction Rammer 4.5Kg Wt.

Code: [24-9004](#)



BS Compaction Rammer 4.5Kg Wt.

Code: [24-9004](#)

Product Group: [BS/EN compaction test 4.5kg, Straightedge](#)

50mm diameter with 450mm drop, manufactured from corrosion protected steel.

Standards

BS 1377-4, BS 1924-2

Specification

Rammer	50 mm dia, 4.5 kg
Drop	450 mm
Guide Sleeve	Machined steel tubing with air pressure release holes
Finish	Corrosion resistant
Weight kg	7.5

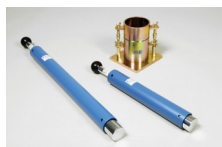
Accessories



Straight Edge 300mm.

Code: [24-9010](#)

Alternatives



Standard Compaction Rammer 2.5kg BS1377

Code: [24-9002](#)



BS Cbr Mould Body.

Code: 24-9198

Product Group: BS EN CBR mould, Accessories for
BS compaction and CBR

Standards

ASTM D1883, AASHTO T193

Specification

Mould	152 x 127 mm (inside diameter x height)
Collar	51 mm height, fits both ends of mould
Base plate	Solid, fits both ends of mould
Construction	All steel, plated
Weight kg	7.3



BS Extension Collar

Code: [24-9200](#)

Product Group: [BS EN CBR mould accessories](#),
[Accessories for BS compaction and CBR](#)

Standards

EN 13286-4, BS 1377-4, BS 1924-2



BS Solid Base or Top Plate

Code: [24-9204](#)

Product Group: [BS EN CBR mould accessories](#),
[Accessories for BS compaction and CBR](#)

Standards

EN 13286-4, BS 1377-4, BS 1924-2

Accessories



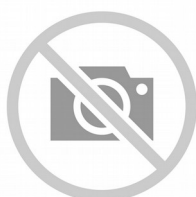
2Kg Annular Surcharge Weight

Code: [24-9214](#)



Base Plate Tool for BS Mould

Code: [24-9210](#)



BS Perforated Base Plate.

Code: [24-9202](#)



Cbr Cutting Collar with Area Ratio of 21.9% to Fit BS Moulds.

Code: [24-9206](#)



Filter Papers 150mm Dia Equivalent to Whatman No 1. Box of 100.

Code: [24-9220](#)

Alternatives



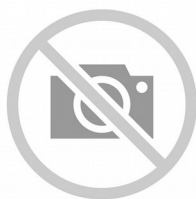
2Kg Annular Surcharge Weight

Code: [24-9214](#)



Base Plate Tool for BS Mould

Code: [24-9210](#)



BS Perforated Base Plate.

Code: [24-9202](#)



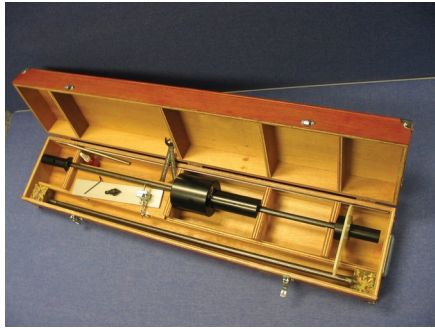
Cbr Cutting Collar with Area Ratio of 21.9% to Fit BS Moulds.

Code: [24-9206](#)



Filter Papers 150mm Dia Equivalent to Whatman No 1. Box of 100.

Code: [24-9220](#)



Dynamic Cone Penetrometer 8Kg Hammer (Trl Design).

Code: [29-3720](#)

Product Group: [In-situ Testing](#)

The TRL (Transport Research Laboratory) Dynamic Cone Penetrometer (DCP) is used for rapid in-situ measurement of the structural properties of existing road pavement constructed with unbound materials. The unit incorporates an 8 kg weight with a drop of 575 mm, and a 20 mm diameter cone fitted to the end of the shaft, allowing measurements to be made down to a depth of approximately 850 mm.

Readings are usually taken after a set number of blows, changing the number according to the strength of the layer being penetrated. For good granular bases, readings every five to ten blows are satisfactory, but for weaker sub-base layers and subgrades, readings every one to two blows may be appropriate.

The DCP requires three operators, one to hold the instrument in a vertical position, one to raise the hammer and let it fall and one to record the results. A typical test takes only a few minutes, providing a very efficient method of obtaining information which would otherwise require the excavation of test pits. Where pavement layers have different strengths, boundaries can be identified and layer thickness determined.

Further Information

Supplied complete with all necessary tools, assembly and operating instructions.

Spares/Consumables



Spare Cone for Dynamic Cone Penetrometer.

Code: [29-3720/10](#)



200mm Dia BS Sieve 45 Mic Stainless Steel Mesh.

Code: [79-0050](#)

Product Group: [200mm Diameter BS Sieves](#), [200mm Diameter BS Sieves](#), [200mm Diameter BS Sieves](#)

Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



200 mm Diameter Lid

Code: 79-0010

Product Group: Sieve Lids and Receivers ISO and BS, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



200 mm Diameter Receiver

Code: 79-0020

Product Group: Sieve Lids and Receivers ISO and BS, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

Standards

BS 410-1, ISO 3310

Further Information

NOT AVAILABLE FOR SALE IN THE USA



Electronic Balance - 8 000 g x 0.1 g

Code: [78-5457/01](#)

Product Group: [Electronic Balances](#)

Further Information

****Not available for sale in the USA****

Specification

Capacity resolution	8000 g x 0.1 g
Pan size	225 x 275 mm
Mains and battery	Yes
Dimensions (w x d x h)	315 x 355 x 110 mm
Weight	4 kg
Weighing units	g, kg, lb, lb:oz, oz
Repeatability	0.1 g



Riffle Box 7mm Slot Width Complete with Three Containers.

Code: [23-3000](#)

Product Group: [Riffle Boxes \(Sample Dividers\)](#)

Manufactured from heavy-gauge sheet metal. BS recommended maximum particle size of 4.5 mm. EN recommended maximum particle size of 3.5 mm. Includes 12 slots each with a 7 mm slot width and an overall approximate capacity of 0.3 litres.

Standards

BS 1377, BS 1924, BS 812, EN 932-1

Specification

Recommended max particle size BS	4.5
Recommended max particle size EN	3.5
Slot width mm	7
No. of slots	12
Approx. capacity kg	0.3
Weight kg	1.5

Alternatives



Riffle Box 13mm Slot Width Complete with Three Containers.

Code: [23-3050](#)



Riffle Box 15mm Slot Width Complete with Three Containers.

Code: [23-3070](#)



Riffle Box 19mm Slot Width Complete with Three Containers.

Code: [23-3100](#)



Riffle Box 25mm Slot Width Complete with Three Containers.

Code: [23-3150](#)



Riffle Box 30mm Slot Width Complete with Three Containers.

Code: [23-3170](#)



Riffle Box 38mm Slot Width Complete with Three Containers.

Code: [23-3200](#)



Riffle Box 50mm Slot Width Complete with Three Containers.

Code: [23-3300](#)



Riffle Box 64mm Slot Width Complete with Three Containers.

Code: [23-3350](#)



Evaporating Dish - 100 x 40 mm

Code: [82-1970](#)

Product Group: [Evaporating Dishes](#)

Shallow form with spout, porcelain 100 x 40 mm
nominal diameter x height.

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



Evaporating Dish - 150 x 45 mm

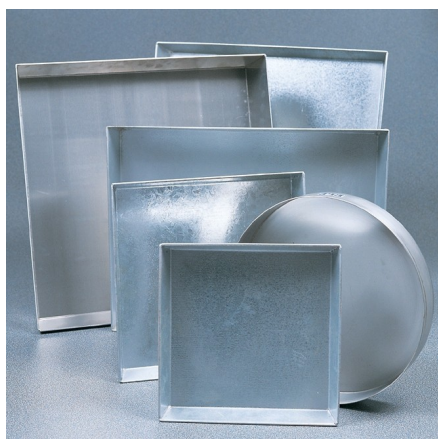
Code: [82-2000](#)

Product Group: [Evaporating Dishes, Volumetric Shrinkage](#)

Shallow form with spout, porcelain 150 x 45 mm nominal diameter x height.

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



Sample Tray - 306 x 306 x 38 mm

Code: [81-4020](#)

Product Group: [Sample Trays](#)

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



Aluminium Scoop Small

Code: [81-0200](#)

Product Group: [Scoops and Shovels](#)

82 x 127 x 50 mm, cast aluminium with handle

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



Sieve Brush Brass and Nylon

Code: [79-7200](#)

Product Group: [Sieve Brushes](#)

Double-ended, brass and nylon bristle

Standards

ASTM E11

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



Shrinkage Mould to BS 1377

Code: [24-1800](#)

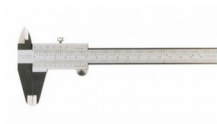
Product Group: [Linear Shrinkage](#)

To produce a specimen 140 mm long x 12.5 mm radius.

Standards

BS 1377

Accessories



Vernier Caliper Range 0 to 200mm X 0.02mm.

Code: [81-0588](#)



Spatula 150 mm

Code: [81-0120](#)

Product Group: [Spatulas](#)

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



Vernier Caliper (LCD) Range 0 to 200mm X 0.01mm

Code: [81-0590](#)

Product Group: [Determination of the Shape Index,](#)
[Miscellaneous Laboratory Hardware](#)

Dual measuring range highly accurate vernier caliper 0 to 200mm x 0.01mm (8 inch x 0.001 inch) to comply with bs 887 and bs 6365. Complete with liquid crystal display.

Standards

EN 933-4

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

Accessories



Vibrating Hammer

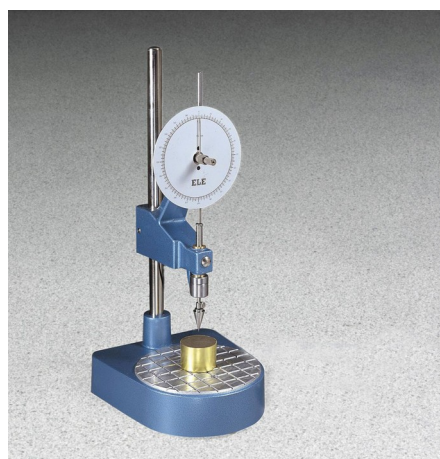
Code: [47-0455/01](#)

Alternatives



Vibrating Hammer

Code: [47-0455/01](#)



Cone Penetrometer. Complete with Stainless Steel Test Cone.

Code: [24-0540](#)

Product Group: [Cone Penetrometer Method, Cone Penetrometer](#)

Bench mounted apparatus to determine the liquid limit of soils BS1377. This method is applicable to a wide range of soils. The apparatus is fitted with a 150mm diameter dial indicator for direct reading of penetration. Supplied complete with 30deg, 30mm long test cone. Manufactured from stainless steel and includes adjustable levelling feet.

Standards

BS 1377-2

Specification

Dial Indicator	150 mm diameter graduated in 400 x 0.1 mm divisions, indicator point incorporates friction/gear system
Height Adjustment	Rapid, using integral clamping mechanism
Cone release	Manual
Cone	1 x 30°, 35 mm test cone included
Base	Cast aluminium, adjustable levelling feet
Weight kg	7

Accessories



Penetration Test Cup.

Code: [24-0548](#)



Test Gauge for Checking Condition of Cone Point.

Code: [24-0546](#)

Spares/Consumables



Penetration Test Cone

Code: [24-0544](#)

Alternatives



Semi-Automatic Cone Penetrometer

Code: [24-0545/01](#)



Test Gauge for Checking Condition of Cone Point.

Code: [24-0546](#)

Product Group: [Cone Penetrometer Method](#), [Cone Penetrometer](#)

55 mm diameter by 40 mm deep, with the rim parallel to the flat base.

Standards

BS 1377-2



Penetration Test Cup.

Code: [24-0548](#)

Product Group: [Cone Penetrometer](#), [Cone Penetrometer Method](#)

Brass construction, 55mm dia x 4mm depth to fit BS1377

Standards

BS 1377-2



Liquid Limit Device BS with Counter. C/W Metal Grooving Tool & Test Gauge.

Code: [24-0410](#)

Product Group: [Casagrande Method](#)

With revolution counter. Complete with metal grooving tool and test gauge.

Standards

BS 1377-2

Accessories



Glass Plate.

Code: [24-0430](#)



Grooving Tool and Gauge B.S.

Code: [24-0425](#)

Alternatives



Motorised Liquid Limit Device W/ Counter BS 220-240V 50Hz 1Ph.

Code: [24-0417/01](#)



Wash Bottle

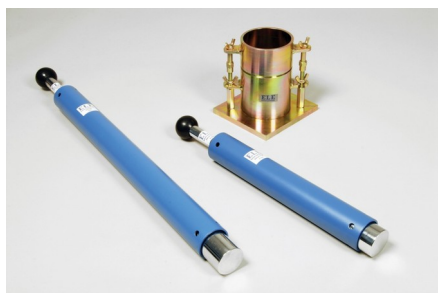
Code: [82-2500](#)

Product Group: [Bottles and Crucibles](#)

Polythene, 500 ml capacity.

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



Straight Edge 300mm.

Code: [24-9010](#)

Product Group: [BS/EN compaction test 4.5kg, Proctor compaction, Straightedge](#)

300 mm

Standards

BS 1377-4, BS 1924-2, ASTM D698, ASTM D1557, AASHTO T99, EN 13286-2, EN 13286-4, ASTM D1883, AASHTO T193, ASTM D558, ASTM D559, ASTM D560, AASHTO T134, AASHTO T135, AASHTO T136, AASHTO T180

Specification

Construction	Flat ground tool steel; beveled edge.
Dimensions	L x W x T (300mm x 40mm x 6mm).
Weight	550g

Accessories



ASTM Compaction Rammer 2.5Kg.

Code: [24-9063](#)

Alternatives



ASTM Compaction Rammer 2.5Kg.

Code: [24-9063](#)



Stopwatch

Code: [81-0521](#)

Product Group: [Watches and Clocks](#)

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

Specification

Dimensions (mm)

64 x 53 x 19



Glass Plate.

Code: [24-0430](#)

Product Group: [Casagrande Method, Determination of Plastic Limit](#)

500 mm square x 10 mm thick.

Standards

BS 1377-2



1000/500kN Motorised Compression/Tension Machine (complete with grips) 220-240V 50/60Hz 1Ph.

Code: 36-1410/01

Product Group: Compression Tension Machine

- Compression testing of concrete cubes and cylinders
- Calibration in compression is accurate to 1% of indicated load, satisfying BS EN ISO 7500-1; ASTM E4
- Self-aligning upper platen for compression tests
- Easily fitted grips for tension testing

The load frame is of high quality steel construction with a fixed upper head carrying a ball-seated platen. The ram carrying the lower platen is contained in the base of the frame and is protected by a shroud. Sufficient clearance between the platens allows the compression testing of concrete cylinders up to 160 mm diameter by 320 mm long. To allow for the compression testing of concrete cubes, a range of distance pieces is available.

Tension tests on steel reinforcing bars are conducted by replacing the platens with special grips. As standard the machine is supplied with the following size grips for testing bars, 10 mm, 12 mm, 20 mm, and 25 mm diameter. The machine is motorised, incorporating a change-over lever to select either compression or tension output from the pump.

Standards

BS EN ISO 7500-1, ASTM E4

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

220-240V 50/60 Hz 1Ph.



Digital Tritest 50 Load Frame

Code: [25-3518/01](#)

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

- Microprocessor control
- Large on-board LED screen display
- Direct entry via a touch sensitive keyboard
- Rapid approach and return to datum of platen
- Fully variable speed, 0.00001 to 9.99999 mm/min
- Samples up to 100 mm diameter

This 50 kN capacity machine, designed primarily for triaxial testing of soil specimens up to 100 mm diameter x 200 mm long, comprises a rigid twin column construction with an integral fully variable microprocessor controlled drive unit and LCD display with a touch sensitive keyboard. The machine is normally bench mounted for ease of installation and operation.

The use of a microprocessor controlled drive system and keyboard entry provides the Digital Tritest 50 with a wide variety of features which include pause and speed reset during test, RS 232C, operator programming of speed and control functions, self test diagnostics and many other features.

A robustly constructed steel case houses the motor drive system with careful attention being given to the prevention of ingress of water or grit. All operating controls are mounted on the front panel of the machine, which is angled and recessed to prevent physical and environmental damage.

Standards

BS 1377-7, BS 1377-8, BS 1924-2, 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

Complete with RS 232C interface.

Specification

Capacity	50kN (11,200 lbf).
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.).

Product Sheet

www.ele.com
+44 (0) 01525 249 200



Platen Travel	100mm (3.9"); limit switch protection.
Platen Diameter	133 mm (5.2")
Vertical Clearance	910 mm, (36 .8") maximum; 305mm, (12") minimum.
Horizontal Clearance	364mm, (15 .3").
Serial Interface	RS232C; programmable baud rate and protocol.
Overall Dimensions	500 x 500 x 1,470 mm, (19.7" w. x 19.7" d. x 57.8" h).
Weight	Net 100kg (220 lbs); Shpg. 136kg (300 lbs).

Accessories



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 - 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](#)

Alternatives



MultiPlex 50 Load Frame

Code: [25-3700/01](#)



Versa-Loader

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



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

www.ele.com
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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](#)



70mm Base Adaptor for 70mm Cells.

Code: [25-4176](#)

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

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

Standards

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

Accessories



1.4" Base Pedestal

Code: [25-4170](#)



100 mm Base Adaptor for 100 mm Triaxial Cell.

Code: [25-4186](#)



2.8" Base Pedestal

Code: [25-4178](#)



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

Code: [25-4166](#)



50mm Base Adapter for 50mm Cells.

Code: [25-4168](#)



50mm Base Adaptors for 70mm Cells.

Code: [25-4174](#)

Alternatives



1.4" Base Pedestal

Code: [25-4170](#)



100 mm Base Adaptor for 100 mm Triaxial Cell.

Code: [25-4186](#)



2.8" Base Pedestal

Code: [25-4178](#)



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

Code: [25-4166](#)



50mm Base Adapter for 50mm Cells.

Code: [25-4168](#)



50mm Base Adaptors for 70mm Cells.

Code: [25-4174](#)



Dial Gauge 25mm Travel X 0.01mm Divisions

Code: [25-4210](#)

Product Group: [Digital Tritest 50 Load Frame, Axial Displacement](#)

25 mm travel x 0.01 mm

Standards

BS 1377

Accessories



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

Code: [27-1617](#)

Spares/Consumables



Dial Indicator - 1.0" Range

Code: [88-4100](#)

Alternatives



Digital Tritest 50 Load Frame

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



Electronic Digital Indicator, 1.0"/25.4 mm range

Code: [88-4220](#)



Versa-Loader

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

Pressure Pad 70mm Diameter.

Code: [25-6430](#)

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

70 mm / 2.8" 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

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

Accessories



1.4" Specimen Cap

Code: [25-4250](#)



2.8" Specimen Cap

Code: [25-6630](#)



Drainage Line for 25-6430

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

Alternatives



1.4" Specimen Cap

Code: [25-4250](#)



2.8" Specimen Cap

Code: [25-6630](#)



Drainage Line for 25-6430

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



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

Code: [25-6441](#)

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

70 mm / 2.8" mm diameter rubber membrane (Pack Of 10).

Standards

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

Accessories



1.4" (35 mm) Rubber Membranes

Code: [25-4261](#)



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

Code: [25-7621](#)

Alternatives



1.4" (35 mm) Rubber Membranes

Code: [25-4261](#)



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

Code: [25-7621](#)



Membrane Sealing Ring 70mm Diameter Pack of 10.

Code: [25-6461](#)

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

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

Standards

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

Accessories



1.4" (35 mm) Sealing Rings

Code: [25-4281](#)



Membrane Sealing Ring 100mm Diameter. Pack of 10.

Code: [25-7631](#)



Membrane Sealing Rings 2.8"

Code: [25-6641](#)

Alternatives



1.4" (35 mm) Sealing Rings

Code: [25-4281](#)



Membrane Sealing Ring 100mm Diameter. Pack of 10.

Code: [25-7631](#)



Membrane Sealing Rings 2.8"

Code: [25-6641](#)