



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

This wishlist was generated on 08/05/2017, and contains the following Products:

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200mm Calibrating Container 200mm Id X 250mm deep with a 350mm dia rim.

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78-5447/01

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78-5457/01

Electronic Balance - 8 000 g x 0.1 g

78-5485/01

Electronic Balance - 8000 g x 0.2 g

42-1000/01

Buoyancy Balance 6Kg X 0.1G. Supplied with Support Frame Water Tank & Suspension Hook.

42-1005

Wire Basket Brass with Handle Nominal 6000Cm³ Capacity with 1.7mm Wire Mesh.

24-9060

Proctor Mould

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BS Cbr Mould Body.

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Base Plate Tool for BS Mould

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C-Spanner for BS Cbr Mould. Two Required.

24-9182

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24-9260

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Swell Stand

24-9214

2Kg Annular Surcharge Weight

24-9216

2Kg Split Surcharge Weight.

24-9202

BS Perforated Base Plate.



Buoyancy Balance

Code: [34-8100/09](#)

Product Group: [Hardened Concrete - Buoyancy Balance, Percentage Refusal Density \(PRD\)](#)

Standards

EN 12697-32, EN 13280-4, BS 598-104

Further Information

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

Accessories



Cradle

Code: [34-8105](#)



Cradle

Code: [34-8105](#)

Product Group: [ELE Bouyancy Balance](#), [Hardened Concrete - Buoyancy Balance](#), [Percentage Refusal Density \(PRD\)](#)

Standards

EN 12697-32, EN 13280-4, BS 598-104, EN 1097-6

Accessories



Vibrating Hammer

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

Alternatives



Vibrating Hammer

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



Rod Comparator

Code: [24-0811](#)

Product Group: [Rod Comparator, Determination of Plastic Limit](#)

3mm diameter rod comparator to BS1377.

Standards

BS 1924-2, EN 1997-2, ASTM D4318, BS 1377, AASHTO T90



Moisture Content Tin

Code: [81-2979](#)

Product Group: [Moisture Content Tin and Sample Containers](#)

Further Information

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



Clamped Boss Load Ring - 10.0 kN

Code: [78-0460](#)

Product Group: [Clamped Boss Load Rings](#), [Digital Tritest 50 Load Frame](#), [Proving Rings](#), [Force measurement](#)

Specification

Capacity: kN, kgf, lbf	10.0, 1000, 2250
Typical Design sensitivity: N/div, kgf/div, lbf/div	7.7, 0.77, 1.73
Overall height mm	248
Approx weight kg	4.6
Capacity	10 kN
Value of CBR	8% to 40%
Capacity - lbf	2,250
Capacity - kN	10
Capacity - kgf	1,000
Typical Design Sensitivity - lbf/div	1.73
Typical Design Sensitivity - kN/div	7.7
Typical Design Sensitivity - Kgf/div	0.77
Overall Height	9.76" (248 mm)
Approx Weight	10.1 lbs.(4.6 kg)

Accessories



50kN Clamped Boss Load Ring

Code: [78-0860](#)



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

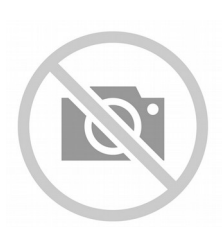
Code: [78-0160](#)



Clamped Boss Load Ring - 4.5 kN

Code: [78-0260](#)

Spares/Consumables



Spare Dial Indicator for Load Rings

Code: [78-5461](#)

Alternatives



50kN Clamped Boss Load Ring

Code: [78-0860](#)



Clamped Boss Load Ring - 2.0 kN

Code: [78-0060](#)



Clamped Boss Load Ring - 28.0 kN

Code: [78-0760](#)



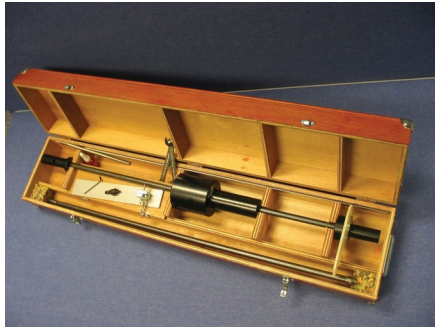
Clamped Boss Load Ring - 3.0 kN

Code: [78-0160](#)



Clamped Boss Load Ring - 4.5 kN

Code: [78-0260](#)



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](#)



Travelling Beam Device

Code: 47-3025

Product Group: Travelling Beam Device

The 3 metre long Travelling Beam Device is used to check for any irregularities in both concrete and bituminous road surfaces. A sensing unit comprising a wheel connected to an indicator provides a magnification of 4:1.

Deviation of the surface from a straight-line is shown on a scale calibrated in increments of 2 mm up to 10 mm and 5 mm up to 25 mm. A dye-marker is fitted which may be used to identify suspect areas. Outrigger wheels provide mobility on site. The device is supplied as three sub-assemblies which are quickly assembled on site. The Travelling Beam is supplied fitted with an autographic recorder providing a permanent record of the surface profile. Records up to 1 kilometre can be recorded on the special chart paper rolls used.

Standards

EN 12697-32, EN 13280-4, BS 598-104

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Accessories



Charts for Autographic Recorder

Code: 47-3130

Spares/Consumables



Fibre-tipped Pen

Code: 47-3131





Charts for Autographic Recorder

Code: 47-3130

Product Group: Travelling Beam Device

Standards

EN 12697-32, EN 13280-4, BS 598-104

Further Information

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



Benkelman Beam

Code: 47-1460
Product Group: Benkelman Beam, Benkelman Beam

Standards
AASHTO T256

Further Information
Complete with Dial Gauge 25 mm tavel x 0.02 mm divisions.

Specification

Dimensions: Main Body (length), Arm (telescopic) extended, Operating length fully extended	1397 mm, 2400 mm, 3700 mm
Beam fulcrum ratio	2:1
Weight	15.9 kg
Main Body	55 " (1,397 mm) long, black finish aluminum.
Probe Beam	Aluminum, 8 ft. (2.4 m) long, telescopes into case for storage.
Probe Fulcrum	Ball pivot bearing, gives lever ratio of 2:1.
Vibrator System	Operating switch mounted on top of instrument section (requires 4 "D" size batteries).
Dial Indicators	Compensated for direct reading (not included).
Leveling Wheel	Adjusts beams to proper elevation.
Open Length	12 ft. (3.7 m) l.
Weight	Net 29 lbs. (13.2 kg).

Accessories



Vertical Dial Indicator 1" range x 0.002" divisions

Code: [47-1460/12](#)



Vertical Dial Indicator 25 mm range x 0.02 mm divisions

Code: [47-1460/14](#)



Dial Gauge 25mm Travel X 0.01mm Divisions.

Code: [24-9275](#)

Product Group: [Expansion \(swell\) Test Equipment](#)

25 mm travel x 0.01 mm.



200mm Sand Pouring Cylinder.

Code: [29-4200](#)

Product Group: [Sand Replacement](#)

Standards

BS 1377, BS 1924



Metal Tray 500mm Sq X 50mm deep with a 200mm dia hole.

Code: [29-4240](#)

Product Group: [Sand Replacement](#)

Standards

BS 1377, BS 1924



200mm Calibrating Container 200mm Id X 250mm deep with a 350mm dia rim.

Code: [29-4220](#)

Product Group: [Sand Replacement](#)

Standards

BS 1377, BS 1924



Standard Sand - 600/300 μ m

Code: [82-7401](#)

Product Group: [Sand Cone 6"](#), Chemicals, Test and Reference Materials

Fraction C. No hazard. 20 kg.

Further Information

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

Accessories



Density Plate for EL29-4300.

Code: [29-4340](#)

Alternatives



Density Plate for EL29-4300.

Code: [29-4340](#)



Plate Bearing Apparatus Complete. 500kN Capacity

Code: 29-3800

Product Group: In-situ Testing, Plate Bearing Apparatus

Applications include the determination of bearing capacity of the soil in situ, designing for static loads on spread footings, and repetitive and non-repetitive plate loading tests of soils and flexible pavements.

Manufactured from machined steel plate with a finished thickness exceeding 25 mm. The plate has concentric markings on one face. All plates are supplied with two lifting eyes except for the 150 mm dia plate.

NOTE: to successfully perform the test, a reaction load is required.

IMPORTANT: The equipment is used in conjunction with a reaction beam. This is not supplied with the equipment.

Standards

BS 1377, EN 1997-3, ASTM D1194, ASTM D1195, ASTM D1196

Further Information

Comprising of:

- Hydraulic Jack 500 kN capacity
- Pressure system
- Datum bar
- 4x dial gauges 50 mm travel x 0.01 mm divisions
- 4x bearing plates: 150 mm, 305 mm, 455 mm and 760 mm diameter

Specification

Loading jack	500 kN capacity with integral ball seating
Pump	Hand operated, single speed with integral oil reservoir
Hose	3 m long. Maximum pressure 70 MPa with quick release couplings
Gauge	100 mm dia with quick release couplings and graphs to convert readings to kN, kgf and

Product Sheet

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



Weights

lbf
Loading jack 24 kg.
Pressure system 12.5 kg



Vacuum Pyknometer Apparatus

Code: 45-9305/01

Product Group: Vacuum Pyknometer

- Large capacity design minimises segregation effects
- Lightweight polycarbonate construction
- Transparent top for visual observations

The Vacuum Pyknometer is a large capacity unit used in the Rice Test for determining the maximum specific gravity of bituminous paving mixtures.

The Pyknometer has a total volume of approximately 10 litres and will conveniently accept samples of 6000 grams to minimise segregation effects. The unit is constructed of lightweight polycarbonate, with the upper half being transparent for visual observation of the effects of the vacuum.

The Vacuum Pyknometer Apparatus consists of a 6000 g pyknometer, vacuum pump with control valves/gauges, water trap and connection tubing.

Standards

EN 12697-5

Further Information

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

Supplied complete with 6000 g pyknometer, vacuum pump with control valves/gauges, water trap and connection tubing. For 220 - 240 V AC, 50 Hz, 1ph.

Specification

Dimensions	273 x 406 mm (outside diameter x height)
Capacity	Approx. 10 litres, 6000 g sample weight
Connections	Water inlet valve; quick disconnect for vacuum gauge and hose
Weight	3.6 kg

Alternatives

Product Sheet

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



Vacuum Pyknometer, 6000 g

Code: [45-9300](#)



Vacuum Pump

Code: [82-7720/01](#)

Product Group: [Vacuum Pumps](#)

Further Information

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

Specification

Type	Single stage
Pump	Oil filled rotary
Ultimate vacuum	Better than 0.1 mbar
Displacement	42 litres per minute (2.4 m ³ /hour)
Electrical supply	220 – 240 V AC, 50 - 60 Hz, 1 ph
Weight	12.7 kg



Constant Temperature Bath 21 - 56°C

Code: [46-5500/01](#)

Product Group: [Penetration Test](#)

A bench mounting bath specially designed for the conditioning of bitumen samples prior to penetration tests. Incorporating a highly accurate thermostat, the bath maintains a temperature between 21 and 56°C \pm 0.1°C (at ambient). An integral cover and deep tray for penetration testing are supplied as standard.

Further Information

Not available for sale in the USA



Filter Paper - Medium

Code: [82-7901](#)

Product Group: [Filter Papers \(Box of 100\)](#)

No. 74 x 150 mm diameter.

Further Information

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

Accessories



Vibrating Hammer

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

Alternatives



Vibrating Hammer

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



PRD Split Mould and Baseplate

Code: [47-0450](#)

Product Group: [Percentage Refusal Density \(PRD\)](#)

Standards

EN 12697-32, EN 13280-4, BS 598-104

Further Information

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

Accessories



300 mm Shank

Code: [47-0480](#)



Vibrating Hammer

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



Electronic Balance - 220g x 0.001g

Code: [78-5335/01](#)

Product Group: [Electronic Balances](#)

Further Information

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

Specification

Capacity resolution	220 g x 0.001 mg
Pan size	120 mm dia
Mains and battery	No
Dimensions (w x d x h)	220 x 310 x 270 mm
Weight	12 kg
Weighing units	g, mg, ct, GN, N, oz, ozt, dwt, T, custom unit
Readability	0.001 mg



Electronic Balance - 3600g x 0.01g

Code: [78-5447/01](#)

Product Group: [Electronic Balances](#)

Further Information

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

Specification

Capacity resolution	3600 g x 0.01 g
Pan size	160 x 160 mm
Mains and battery	No
Dimensions (l x w x h)	260 x 170 x 90 mm
Weight	6 kg
Weighing units	g, kg, ct, GN, N, lb, oz, lb:oz, ozt, dwt, T, custom unit
Readability	0.1 g



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



Electronic Balance - 8000 g x 0.2 g

Code: [78-5485/01](#)

Product Group: [Electronic Balances](#)

Further Information

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

Specification

Capacity resolution	8000 g x 0.2 g
Pan size	225 x 275 mm
Mains and battery	Yes
Dimensions (w x d x h)	315 x 355 x 110 mm
Weight	18 kg
Weighing units	g, kg, ct, GN, N, lb, oz, lb:oz.



Buoyancy Balance 6Kg X 0.1G. Supplied with Support Frame Water Tank & Suspension Hook.

Code: [42-1000/01](#)

Product Group: [Particle Density \(specific gravity\) and Water Absorption for Coarse Aggregates](#)

The buoyancy balance system developed by ELE consists of a rigid support frame, incorporating a water tank mounted on a platform. A mechanical lifting device is used to raise the water tank through the frame height immersing the specimen suspended below the balance. The balance supplied may also be used as a standard weighing device, thus providing a versatile and comprehensive weighing system in the laboratory. 6000 g x 0.1 g supplied with frame, water tank and suspension hook.

Standards

EN 1097-6, EN 12697-6, BS 812, ASTM C127, AASHTO T85

Further Information

NOT AVAILABLE FOR SALE IN THE USA

For 220 - 240 V AC, 50 - 60 Hz, 1 ph.

Accessories



200 mm Diameter Lid

Code: [79-0010](#)



200 mm Diameter Receiver

Code: [79-0020](#)



200mm Dia BS Sieve 31.5mm Perforated Plate.

Code: [79-1630](#)



200mm Dia BS Sieve 4.00mm Stainless Steel Mesh.

Code: [79-0310](#)



200mm Dia BS Sieve 63 Mic Stainless Steel Mesh.

Code: [79-0070](#)



200mm Dia BS Sieve 63.0mm Perforated Plate.

Code: [79-1670](#)



Digital Pocket Thermometer

Code: [82-5420](#)



Sample Container - Tinned Steel 10 litres

Code: [81-3060](#)



Sample Tray - 406 x 406 x 50 mm

Code: [81-4030](#)



Wire Basket Brass with Handle Nominal 6000Cm³ Capacity with 1.7mm Wire Mesh.

Code: [42-1005](#)



Wire Basket Brass with Handle Nominal 6000Cm³ Capacity with 1.7mm Wire Mesh.

Code: 42-1005

Product Group: Particle Density (specific gravity) and
Water Absorption for Coarse Aggregates

For BS 812 Relative Density. 200 mm diameter x 190
mm deep, 1.70 mm wire mesh.

Standards

EN 1097-6, EN 12697-6, BS 812, ASTM C127, AASHTO T85

Further Information

NOT AVAILABLE FOR SALE IN THE USA



Proctor Mould

Code: 24-9060

Product Group: Accessories for ASTM and Proctor compaction, Proctor compaction

Standards

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

Specification

Dimensions	101.6 mm dia x 116.4 mm high
Rammer Mould Volume	1/30 ft ³
Construction	All steel, threaded studs with wing nuts, plated.
Weight	5.4 kg



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



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](#)



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



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.



Swell Plate

Code: [24-9260](#)

Product Group: [Expansion \(swell\) Test Equipment, Swell Plate](#)

With adjustable stem.

Standards

ASTM D1883, AASHTO T193

Specification

Base Plate	5 15/16" diam. (150.8mm); perforated.
Contact Head	Adjustable; locks on stem with knurled nut.
Construction	Aluminium
Weight	Net 2-1/2 lbs. (1.1 kg).



Swell Stand

Code: [24-9262](#)

Product Group: [Expansion \(swell\) Test Equipment, Tripod Attachment](#)

For mounting Swell Dial Gauge in position on CBR mould collar.

Standards

ASTM D1883, AASHTO T193

Further Information

Requires dial indicator; not included, order separately

Specification

Construction	Machined, one-piece cast aluminum.
Contact Head	Integral part of ssembly; holds dial indicator.
Construction	2" I. (50.8 mm) included.
Weight	Net 1 lb. (0.4 kg).

Accessories



Mechanical Dial Indicator - 25 mm Range Clockwise Movement

Code: [88-4110](#)

Spares/Consumables



Dial Indicator - 1.0" Range

Code: [88-4100](#)

Alternatives



Electronic Digital Indicator, 1.0"/25.4 mm range

Code: [88-4220](#)



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



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](#)