



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

This wishlist was generated on 14/07/2017, and contains the following Products:

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78-5527/01

**Electronic Balance - 32 000 g x 1.0 g**

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45-6550/01

**30 L Heating Bath with Led Display Cover**

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25-3700/01

**MultiPlex 50 Load Frame**

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24-9010

**Straight Edge 300mm.**

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24-9060

**Proctor Mould**

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24-9066

**ASTM Compaction Mould 152mm.**

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24-9063

**ASTM Compaction Rammer 2.5Kg.**

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24-9070

**ASTM/Modified Proctor Compaction Rammer 4.5Kg.**

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24-9182

**Penetration Piston**

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24-9184

**Penetration/Swell Dial Gauge ASTM.**

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24-9188

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

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24-9228

**ASTM Cbr Mould Complete with Collar & Perforated Base**

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24-9238

**ASTM Spacing Disc.**

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24-9240

**Filter Screen 150mm Dia with 0.15mm Mesh.**

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24-9243

**4.5Kg Annular Surcharge Weight ASTM.**

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24-9244

**5Lb (2.27Kg) Split Surcharge Weight.**

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24-9250

**Filter Paper Equivalent to Whatman No 5 150mm Dia Box of 100.**

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24-9260

**Swell Plate**

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24-9262

**Swell Stand**

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78-0760

**Clamped Boss Load Ring - 28.0 kN**

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24-9236

**ASTM Cutting Collar.**

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23-4200

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

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45-6310

**Compaction Mould**

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45-6410

**Compaction Pedestal BS 598**

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45-6460

**Compaction Hammer**

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45-6850

**Breaking Head (Marshall)**

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45-6890

**Flow Meter ASTM**

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78-0860

**50kN Clamped Boss Load Ring**

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82-5247

**Portable Thermometer 100 ml**

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78-0135/01

**425 Litre Drying Oven**

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23-6191/01

**Bench-Mounting Mixer 5 Litre Capacity Complete with Bowl Beater and Whisk.  
220-240V 50Hz 1Ph.**

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583-070

**Infrared Thermometer**

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47-0202

**Digital Asphalt Thermometer**

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47-0202/11

**535 Asphalt Probe**

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47-0202/14

**Surface Probe**

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47-0202/10

**250 Asphalt Probe**

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27-1300/01

**DSU Electronic Readout and Control System 220 - 240 V AC 50/60 Hz**

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27-1559

**50kN S-type Load Cell**

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27-1705

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

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27-1798

**DS7.2 California Bearing Ratio (CBR) Penetration Program for Windows 7,  
32/64 bit**

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45-6820/11

**Flow Transducer**

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## Electronic Balance - 32 000 g x 1.0 g

Code: [78-5527/01](#)

Product Group: [Electronic Balances](#)

## Further Information

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

## Specification

Capacity resolution	32000 g x 1.0 g
Pan size	225 x 275 mm
Mains and battery	Yes
Dimensions (w x d x h)	315 x 355 x 110 mm
Weight	6 kg
Weighing units	g, kg, lb, lb:oz, oz
Repeatability	1 g
Power supply	230AC, 50/60Hz, 10 watts



## 30 L Heating Bath with Led Display Cover

Code: 45-6550/01

Product Group: Accessories for manual and automatic compaction

## Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

## Further Information

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

## Accessories



## Breaking Head (Marshall)

Code: 45-6850

## Alternatives



## Breaking Head (Marshall)

Code: 45-6850





## MultiPlex 50 Load Frame

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

Product Group: [Data Logging with the DSU](#), [CBR Load Frames](#), [Marshall Load Frames](#), [Triaxial Load Frames](#), [Data Logging with the DSU](#)

Compact bench mounting load frame designed for performing laboratory CBR, unconfined compression, Quick Undrained Triaxial and Marshall Stability Tests. Has a variable speed of 0.5 to 50.8mm per minute and features rapid approach of platen.

## Standards

EN 12697-34, BS 598, BS 1377, BS 1924, ASTM D1883, EN 12697-23, EN 12697-24, EN 13286-47, AASHTO T193, ASTM D2850, ASTM D4767, AASHTO T296, AASHTO T297, ASTM D6927

## Further Information

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

## Specification

Dimensions (l x w x h)	550 x 400 x 1470 mm
Max vertical clearance	800 mm
Horizontal clearance	265 mm
Platen diameter	133 mm
Platen travel	100 mm
Platen speed range	0.5 to 50.8 mm/min
Rapid approach speed	40 mm/min
Weight kg	100, (shipping 113 kg)

## Accessories



## 50kN Clamped Boss Load Ring

Code: [78-0860](#)



## 50kN S-type Load Cell

Code: [27-1559](#)



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

Code: [24-9188](#)



## 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](#)

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## Clamped Boss Load Ring - 28.0 kN

Code: [78-0760](#)

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## Clamped Boss Load Ring - 3.0 kN

Code: [78-0160](#)

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## Clamped Boss Load Ring - 4.5 kN

Code: [78-0260](#)

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## Penetration Dial Gauge BS

Code: [24-9186](#)

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## Penetration Piston

Code: [24-9182](#)

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## Penetration/Swell Dial Gauge ASTM.

Code: [24-9184](#)

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### Alternatives



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

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



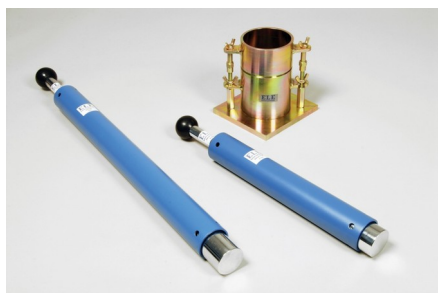
## Cbr-Test 50 Machine 50kN Capacity BS and ASTM Supplied with Stabilising Bar.

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



## Digital Tritest 50 Load Frame

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



## 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](#)



## 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 <sup>3</sup>
Construction	All steel, threaded studs with wing nuts, plated.
Weight	5.4 kg



## ASTM Compaction Mould 152mm.

Code: 24-9066

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

152mm inside diameter

## Standards

ASTM D698, ASTM D1557, AASHTO T99, AASHTO T180

## Specification

Dimensions	152.4 mm dia x 116.4 mm high
Rammer Mould Volume	1/13.33 ft <sup>3</sup>
Construction	All steel, threaded studs with wing nuts, plated.
Weight	8.2 kg



## ASTM Compaction Rammer 2.5Kg.

Code: [24-9063](#)

Product Group: [Proctor compaction](#), [Standard Compaction Hammer](#)

50.8mm diameter x 305mm deep.

## Standards

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

## Specification

Hammer	2" diam. (50.8 mm); 5-1/2 lbs. (2.49 kg).
Drop	12 " (305 mm).
Guide Sleeve	Machined steel tubing with air pressure release holes
Finish	Corrosion resistant
Weight	4.1 kg (9 lbs)

## Accessories



## ASTM/Modified Proctor Compaction Rammer 4.5Kg.

Code: [24-9070](#)



## Straight Edge 300mm.

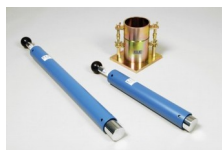
Code: [24-9010](#)

## Alternatives



## ASTM/Modified Proctor Compaction Rammer 4.5Kg.

Code: [24-9070](#)



## Straight Edge 300mm.

Code: [24-9010](#)





## ASTM/Modified Proctor Compaction Rammer 4.5Kg.

Code: [24-9070](#)

Product Group: [ASTM/Modified Proctor compaction, Modified Compaction Hammer](#)

50.8mm diameter x 457.2 mm drop.

## Standards

ASTM D1557, AASHTO T180

## Specification

Hammer	2" diam. (50.8 mm); 10 lbs. (4.5 kg).
Drop	18" (457.2 mm).
Guide Sleeve	Machined steel tubing with integrally spun end cap; air pressure release holes.
Finish	Corrosion resistant
Weight	Net 6.3 kg (14 lbs)

## Accessories



## ASTM Compaction Rammer 2.5Kg.

Code: [24-9063](#)

## Alternatives



## ASTM Compaction Rammer 2.5Kg.

Code: [24-9063](#)



## Penetration Piston

Code: [24-9182](#)

Product Group: [Penetration Measurement](#)

1.935 mm<sup>2</sup> (3 in<sup>2</sup>) area foot of case hardened steel.  
Designed to fit all ELE load rings.



## Penetration/Swell Dial Gauge ASTM.

Code: [24-9184](#)

Product Group: [Expansion \(swell\) Test Equipment](#),  
[In-situ CBR](#), [Conversion of In-situ to Laboratory CBR](#),  
[Penetration Measurement](#)

1 in travel x 0.0005 in divisions. Complete with rack extensions and chisel edge anvil.

## 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



## ASTM Cbr Mould Complete with Collar & Perforated Base

Code: [24-9228](#)

Product Group: [ASTM/AASHTO CBR mould](#)

With collar and perforated baseplate.

## Standards

ASTM D1883, AASHTO T193

## Specification

Mould	152.4 x 177.8 mm (inside diameter x height)
Collar	50.8 mm height, fits both ends of mould
Base plate	Perforated
Construction	All steel, plated
Weight kg	9

## Accessories



### 4.5Kg Annular Surcharge Weight ASTM.

Code: [24-9243](#)



### 5 Lb. Annular Surcharge Weight ASTM.

Code: [24-9245](#)



### ASTM Cutting Collar.

Code: [24-9236](#)



## ASTM Spacing Disc.

Code: [24-9238](#)

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### Alternatives



## 4.5Kg Annular Surcharge Weight ASTM.

Code: [24-9243](#)



## 5 Lb. Annular Surcharge Weight ASTM.

Code: [24-9245](#)



## ASTM Cutting Collar.

Code: [24-9236](#)



## ASTM Spacing Disc.

Code: [24-9238](#)



## ASTM Spacing Disc.

Code: [24-9238](#)

Product Group: [Spacer Discs, ASTM/AASHTO CBR mould accessories](#)

150.8 mm diameter x 61.4 mm deep.

## Specification

Construction

Steel; machined on all sides.

Finish

Plated.

Weights

Net 18.9 lbs. (8.6 kg).

## Accessories



### ASTM Cbr Mould Complete with Collar & Perforated Base

Code: [24-9228](#)

## Alternatives



### ASTM Cbr Mould Complete with Collar & Perforated Base

Code: [24-9228](#)





## Filter Screen 150mm Dia with 0.15mm Mesh.

Code: [24-9240](#)

Product Group: [Filter Screen, ASTM/AASHTO CBR mould accessories](#)

150 mm dia, 150 µm mesh for use with ASTM mould.

## Specification

Mesh	Brass; number 100.
Size	5-15 /16" diam. (135 mm).
Weight	Net 1 oz. (28 g).

## Accessories



## Filter Paper Equivalent to Whatman No 5 150mm Dia Box of 100.

Code: [24-9250](#)

## Alternatives



## Filter Paper Equivalent to Whatman No 5 150mm Dia Box of 100.

Code: [24-9250](#)



## 4.5Kg Annular Surcharge Weight ASTM.

Code: [24-9243](#)

Product Group: [ASTM/AASHTO CBR mould accessories](#)

## Accessories



### ASTM Cbr Mould Complete with Collar & Perferated Base

Code: [24-9228](#)

## Alternatives



### ASTM Cbr Mould Complete with Collar & Perferated Base

Code: [24-9228](#)



## 5Lb (2.27Kg) Split Surcharge Weight.

Code: [24-9244](#)

Product Group: [ASTM/AASHTO CBR mould accessories](#), [Surcharge Weights](#)

## Specification

Construction

Machined steel.

Finish

Plated.

## Accessories



## 5 Lb. Annular Surcharge Weight ASTM.

Code: [24-9245](#)

## Alternatives



## 5 Lb. Annular Surcharge Weight ASTM.

Code: [24-9245](#)



## Filter Paper Equivalent to Whatman No 5 150mm Dia Box of 100.

Code: [24-9250](#)

Product Group: [Filter Paper, ASTM/AASHTO CBR  
mould accessories](#)

Box of 100.

## Standards

ASTM D1883, AASHTO T193

## Specification

Grade	Coarse.
Size	15 cm diam. (5.9â€³).
Weight	Net 8 oz. (227 g).

## Accessories



### Filter Screen 150mm Dia with 0.15mm Mesh.

Code: [24-9240](#)

## Alternatives



### Filter Screen 150mm Dia with 0.15mm Mesh.

Code: [24-9240](#)



## 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

# Product Sheet

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



### Dial Indicator - 1.0" Range

Code: 88-4100

## Alternatives



## Electronic Digital Indicator, 1.0"/25.4 mm range

Code: 88-4220





## 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 - Kg/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](#)

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## Clamped Boss Load Ring - 10.0 kN

Code: [78-0460](#)

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## Clamped Boss Load Ring - 2.0 kN

Code: [78-0060](#)

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## Clamped Boss Load Ring - 3.0 kN

Code: [78-0160](#)

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## Clamped Boss Load Ring - 4.5 kN

Code: [78-0260](#)

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

Code: [78-0764](#)



## ASTM Cutting Collar.

Code: [24-9236](#)

Product Group: [ASTM/AASHTO CBR mould accessories, Cutting Edge](#)

To fit ASTM CBR mould body, manufactured with a cutting edge to enable undisturbed samples to be taken in the field.

## Standards

ASTM D1883, AASHTO T193

## Specification

Dimensions	6" i.d. x 1-1/2" h. (152 .4 x 38 mm).
Construction	Machined seamless steel tubing; recessed for mounting on CBR Mold.
Finish	Plated.
Weight	Net 1-1/2 lbs. (0.7 kg).

## Accessories



## ASTM Cbr Mould Complete with Collar & Perforated Base

Code: [24-9228](#)

## Alternatives



## ASTM Cbr Mould Complete with Collar & Perforated Base

Code: [24-9228](#)



## 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: [45-6810/06](#)



## Marshall Test 50

Code: [45-6810/01](#)



Compaction Mould

Code: 45-6310  
Product Group: Asphalt Compaction Mould,  
Accessories for manual and automatic compaction  
Comprising of mould body, baseplate and combined  
filling/extraction collar.

Standards

EN 12697-30, ASTM D6926, AASHTO T245

Specification

Construction	Machined seamless steel forming mold; base and collar.
Finish	Plated for rust resistance.
Dimensions	4" (101.6 mm) i.d. x 3" (76.2 mm) internal h. with base.
Weight	Net 6 lbs. (2.7 kg).

Alternatives





## AutoComp 100-A

Code: [45-6600/01](#)



## Compaction Pedestal BS 598

Code: [45-6410](#)

Product Group: [Manual Compaction](#)

Comprising a 300 mm sq x 25 mm thick steel plate complete with 4 tie rods and securing nuts. A mould clamp and hammer guide are fitted to the plate. The unit is supplied complete with a laminated hardwood block.

## Standards

EN 12697-30

## Further Information

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



Compaction Hammer

Code: [45-6460](#)  
Product Group: [Manual Compaction, Stability Compaction Hammer](#)

Satisfies BS 598. The hammer has a 4535 g sliding weight with a free fall of 457 mm.

Standards

EN 12697-30, ASTM D6926, AASHTO T245

Specification

Tamping Face	3-7/8" (98 mm) diam.
Hammer	10 lb. (4.54 kg).
Drop	18" (457 mm).
Construction	Machined steel; cast aluminum handle.
Weight	Net 16 lbs. (7.2 kg).



## Breaking Head (Marshall)

Code: 45-6850

Product Group: [Accessories for the Marshall test](#)

Complete with gauge disc. Supplied without flow meter.

## Standards

EN 12697-34

## Accessories



## 250 Asphalt Probe

Code: 47-0202/10



## 30 L Heating Bath with Led Display Cover

Code: 45-6550/01



## 50kN S-type Load Cell

Code: 27-1559

## Alternatives



### 250 Asphalt Probe

Code: [47-0202/10](#)



### 30 L Heating Bath with Led Display Cover

Code: [45-6550/01](#)



### 50kN S-type Load Cell

Code: [27-1559](#)



## Flow Meter ASTM

Code: [45-6890](#)

Product Group: [Accessories for the Marshall test](#)

Dial gauge graduated 0.001 inches with 1 inch travel.  
Supplied with stem brake unit and flow meter pedestal.

## Standards

EN 12697-34

## Further Information

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



## 50kN Clamped Boss Load Ring

Code: 78-0860

Product Group: Clamped Boss Load Rings, Digital Tritest 50 Load Frame, Load Measurement, Proving Rings, Accessories for the Marshall test, Accessories for the Marshall Test, CBR-Test 50 Machine, Load Measurement, CBR Loading Press, Hand-Operated, Force measurement

Calibrated in compression.

## Standards

EN 12697-34

## Specification

Capacity: kN, kgf, lbf	50.0, 5000, 11,200
Typical Design sensitivity: N/div, kgf/div, lbf/div	45.5, 4.54, 10.18
Overall height mm	248
Approx weight kg	7.9
Value of CBR	Above 40%
Capacity - kN	50
Capacity - kgf	5000
Capacity - lbf	11,200
Typical Design Sensitivity - kN/div	45.5
Typical Design Sensitivity - Kgf/div	4.54
Typical Design Sensitivity - lbf/div	10.18
Overall Height	9.76" (248 mm)
Approx Weight	17.4 lbs.(7.9 kg)

## Accessories



## 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, 11,200 lbs (50.0 kN)

Code: [78-0864](#)

## Spares/Consumables



## Spare Dial Indicator for Load Rings

Code: [78-5461](#)

## Alternatives





## 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](#)



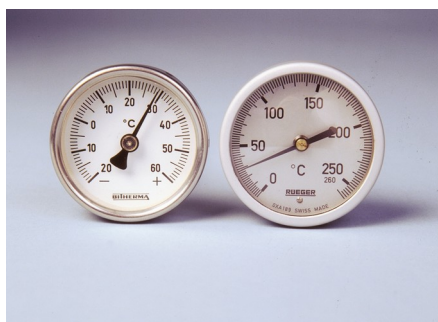
## Clamped Boss Load Ring - 4.5 kN

Code: [78-0260](#)



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

Code: [78-0864](#)



## Portable Thermometer 100 ml

Code: [82-5247](#)

Product Group: [Portable Dial-type Thermometers](#)

50 mm diameter dial with a 180 mm long stem.

## Further Information

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



## 425 Litre Drying Oven

Code: [78-0135/01](#)

Product Group: [Oven Drying Method](#), [Oven Drying Method](#), [Oven Drying Method](#)

This oven is designed for drying large quantities of soils and aggregate samples and maintains the temperature in accordance with BS EN and ASTM requirements.

The oven is constructed of mild steel with a powder coated exterior and an aluminium coated steel chamber which is both durable and corrosion resistant.

The control system comprises of a microprocessor digital controller with overheat safety system. They also include main switch with indicator and heat and overheat indicators.

The temperature range is 40-180°C.

## Standards

EN 12697-32, EN 13280-4, BS 598-104, BS 1377

## Specification

Capacity	425 litres
External Dimensions (h x w x d)	970 x 1410 x 810 mm
Internal Dimensions (h x w x d)	760 x 920 x 640 mm
Fluctuation	± 0.75°C
Rated power heater elements	2000 W
Shelves supplied	4
Shelf positions	5
Weight	120 kg

## Alternatives



## 100 Litre Drying Oven

Code: [78-1225/01](#)



## 150 Litre Drying Oven

Code: [78-1235/01](#)

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## 225 Litre Drying Oven

Code: [78-1250/01](#)

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## 50 Litre Drying Oven

Code: [78-1215/01](#)



## Bench-Mounting Mixer 5 Litre Capacity Complete with Bowl Beater and Whisk. 220-240V 50Hz 1Ph.

Code: [23-6191/01](#)

Product Group: [Sample Mixers](#), [Mixing](#), [Sample Mixers](#)

The mixer has two electrically switched mixing speeds which obviates the need to switch off during speed selection. The mixing head comprises a beater which contra-rotates about a central shaft using planetary gearing. A lever-acting lifting device facilitates the insertion and removal of the bowl. This mixer is suitable for the mixing of soil samples, mortar, bituminous mixtures and associated materials where comparatively small samples are being prepared. Supplied with stainless steel bowl, beater and whisk.

## Standards

BS 598-107, BS 1377-1, BS 1924-1

## Further Information

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

## Specification

Dimensions	545 x 380 x 550 mm
Beater Speeds (rpm) low, intermediate, high	136, 281, 580
Central shaft speeds (rpm) low, high	60, 124, 255
Rated power	500 W
Weight	20.2 kg

## Accessories



## Isomantle Electric Heater

Code: [45-5580/01](#)

## Spares/Consumables



### **Stainless Steel Bowl 4.73 Litres.**

Code: [23-6191/10](#)



## Infrared Thermometer

Code: 583-070

Product Group: Thermometers

The 583-070 Infrared Thermometer is compact, lightweight and easy to use, it is supplied complete with Penetration Probe, 70 Probe wipes and a carrying case.

The LCD display views a clear readout of the temperature over the range of -60 to 500°C.

The three-button keypad enables the user to select Celsius or Fahrenheit and max/min.

The difference between the max and min and average temperature can also be displayed.

## Specification

Range - infrared	-60 to 500 deg C
Range - probe	-64 to 1370 deg C
Resolution	0.1 deg C/ deg F (-9.9 to 199.9 deg C) or 1 deg C
Accuracy - infrared	± 2 deg C or ± 2% of reading whichever is greater
Accuracy - probe	± 1 deg C or ± 1% of reading whichever is greater
Field of view	Target ratio 12:1
Emissivity	0.95 default - adjustable 0.1 to 1
Battery & life	2 x 1.5 volt AAA - 180 hours continuous use
Display	Custom LCD
Dimensions	40 x 66 x 155 mm
Weight	185 grams



## Digital Asphalt Thermometer

Code: [47-0202](#)

Product Group: [Digital Asphalt Thermometer](#)

Comprises a hand-held digital thermometer with an operating range of -99 to +1372 °C with a switchable resolution between 0.1 and 1.0 °C. Operates on a 9V battery and utilises K-type thermocouple sensors.

## Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

## Further Information

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

## Specification

Range	-50 to 1000°C
Resolution	Switchable 0.1 or 1.0°C
Weight	300 g

## Accessories



### 250 Asphalt Probe

Code: [47-0202/10](#)





## Breaking Head (Marshall)

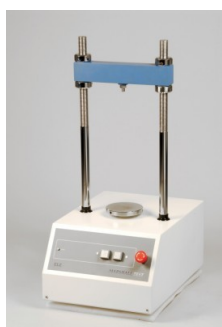
Code: [45-6850](#)



## Vibrating Hammer

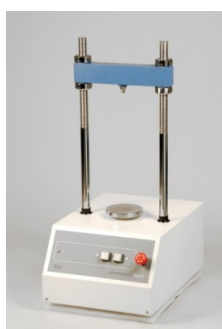
Code: [47-0455/01](#)

## Alternatives



## Marshall Test 50

Code: [45-6810/01](#)



## Marshall Test 50

Code: [45-6810/06](#)



## 535 Asphalt Probe

Code: [47-0202/11](#)

Product Group: [Digital Asphalt Thermometer](#)

Has a heavy-duty and reinforced needle probe. It is built with a t-shaped polyethylene handle and has a maximum tip temperature of 250°C and a 500 mm long probe.

## Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

## Further Information

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

## Specification

Max Reading	250°C
Length of probe	500 mm
Tip diameter (needle point)	6 mm



## Surface Probe

Code: [47-0202/14](#)

Product Group: [Digital Asphalt Thermometer](#)

130 mm long Ribbon-Type surface probe with a maximum tip temperature of 500 °C.

## Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

## Further Information

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

## Specification

Max Reading	500°C
Length of probe	6 mm
Tip diameter (needle point)	4 mm



## 250 Asphalt Probe

Code: [47-0202/10](#)

Product Group: [Digital Asphalt Thermometer](#)

Has a heavy-duty and reinforced needle probe. It is built with a t-shaped polyethylene handle and has a maximum tip temperature of 250°C and a 300 mm long probe.

## Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

## Further Information

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

## Specification

Max Reading	250°C
Length of probe	300 mm
Tip diameter (needle point)	6 mm

## Accessories



### Breaking Head (Marshall)

Code: [45-6850](#)



### Vibrating Hammer

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

## Alternatives



### Breaking Head (Marshall)

Code: [45-6850](#)



### Vibrating Hammer

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



## DSU Electronic Readout and Control System 220 - 240 V AC 50/60 Hz

Code: [27-1300/01](#)

Product Group: [Data Logging with the DSU](#), [Electronic Instrumentation](#), [Electronic Instrumentation](#), [Data Logging with the DSU](#)

· Download the full brochure here  
[[/Page/catalogue-download/NTRmZS9UaGUgTkVXIERTVSBVU0EucGRm](#)]

- 4 channel automatic control and data-logging unit
- Automatic, dual-frame control
- Performs CBR, Marshall, Unconfined Compression, Direct and Residual Shear, One-Dimensional Consolidation and Unconsolidated Undrained tests
- LAN connection - software can be running anywhere on your server
- Never lose data from power fails - 2 gigabytes of non-volatile memory
- Extended warranty

The Data System Unit (DSU) is a versatile instrument designed to accommodate the general logging requirements of geotechnical and materials testing engineers. Its intelligent interface allows the user to work with a range of different sensors.

## Further Information

The DSU has two distinct modes of operation. The first is referred to as DS mode (DataSystem) for operation with ELE International's established DS7 geotechnical testing software.

### DS MODE

- Up to four one dimensional consolidation tests
- Up to two CBR tests
- One direct/residual shear test
- One triaxial quick un-drained test

### DU MODE

- Up to two Marshall tests
- Up to two CBR tests
- Up to two Unconfined compression tests
- Automatic frame control

### OVERVIEW

- Touch Screen data entry for standalone operation, Marshall/CBR/Quick un-drained

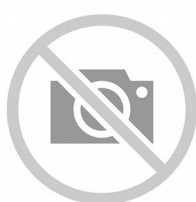
- Automatic single and dual frame control (with multiplex 50 frame)
- Log memory of 2 gigabytes
- Non-volatile memory
- Ethernet TCPIP link and serial comms support
- Market leading signal stability
- Certificate and manual calibration features

Become a member of the ELE International web site, add this new product to a wishlist to receive a quote! Click here [[Login](#)]

This product is now available in the USA and Canada!

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## Accessories



### Cable, Safety/ID

Code: [27-1300/11](#)



### Dual Frame Comms Cable

Code: [27-1300/10](#)



### PC Cable

Code: [27-1300/12](#)

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## Alternatives



### DSU Electronic Readout and Control System 110 V AC 60 Hz

Code: [27-1300/02](#)



## Marshall Test 50

Code: [45-6810/01](#)



## Marshall Test 50

Code: [45-6810/06](#)





## 50kN S-type Load Cell

Code: [27-1559](#)

Product Group: [Load Measurement](#), [Electronic Instrumentation](#), [Force measurement](#), [Electronic Instrumentation](#)

Maximum working capacity of 50 kN and excitation 10 V ac/dc with an output of 2.7 mV/V nominal.  
Aluminium alloy and stainless steel construction with IP65 environmental protection.

## Standards

EN 12697-34

## Further Information

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

## Accessories



## Breaking Head (Marshall)

Code: [45-6850](#)



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

Code: [27-1551](#)

## Alternatives



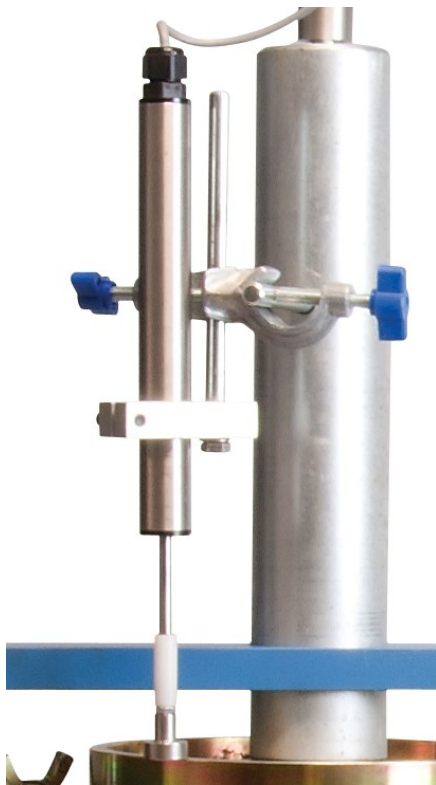
## Breaking Head (Marshall)

Code: [45-6850](#)



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

Code: [27-1551](#)



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

Code: [27-1705](#)

Product Group: [Penetration Measurement](#),  
[Penetration Measurement](#)

- 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	14 V DC
Connector	5-pin DIN type
Mounting bracket	Included as standard
Weight kg	0.45



## **DS7.2 California Bearing Ratio (CBR) Penetration Program for Windows 7, 32/64 bit**

Code: [27-1798](#)

Product Group: [DS7, Automatic Data Acquisition - CBR](#), [DS7.2 CBR Penetration Software](#)

This program provides the classical data for the CBR test. Load and penetration are monitored simultaneously. The program tabulates the results and provides a graphical presentation report.



## Flow Transducer

Code: [45-6820/11](#)

Product Group: [Electronic Instrumentation](#), [Electronic Instrumentation](#), [Electronic Instrumentation](#)

Pre-calibrated, for use with breaking heads:

45-6850, for use with Marshall Load Frame  
45-6810/01 and 45-6810/06.

45-6855, for use with Marshall Stability Tester  
45-6829/02 and 45-6829/06.

## Standards

EN 12697-34

## Further Information

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