



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

This wishlist was generated on 14/09/2018, and contains the following Products:

23-7462

**Speedy Moisture Tester G2 Large 0-50% Moisture Range. Supplied Less Calcium Carbide**

24-0410

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

24-0425

**Grooving Tool and Gauge B.S.**

24-0430

**Glass Plate.**

24-9004

**BS Compaction Rammer 4.5Kg Wt.**

24-9002

**Standard Compaction Rammer 2.5kg BS1377**

24-9010

**Straight Edge 300mm.**

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

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29-4300

**6 Inch (152mm) Sand Cone.**

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29-4320

**5 Litre Plastic Container for Sand Cone**

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29-4340

**Density Plate for EL29-4300.**

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29-4100

**150mm Sand Pouring Cylinder.**

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29-4120

**150mm Calibrating Container 150mm Id X deep with 250mm dia rim.**

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29-4140

**Metal Tray 300mm Sq X 40mm deep with a 150mm dia hole.**

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36-3090/01

**ADR Touch 2000 Semi-Automatic Compression Machine with Digital Readout.**

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37-5050

**Standard Distance Piece - 80 mm Depth**

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37-5100

**Standard Distance Piece - 100 mm Depth**

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34-0192

**Slump Test Set BS & ASTM. C/W Slump Cone Base Plate Steel Rule Tamping Rod & Funnel.**

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34-6250/01

**Vibrating Table 600 X 400mm Table Top. 220-240V 50Hz 1Ph. Supplied with clamping assembly**

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34-4570

**150mm Cube Mould 4-Part Clamp Type. Cast Iron Construction. BS EN Compliant.**

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45-3815/01

**Rotatest 3000**

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45-3807

**Filter Discs Pack of 100**

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45-6310

**Compaction Mould**

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23-4200

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

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45-6810/01

**Marshall Test 50**

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45-6410

**Compaction Pedestal BS 598**

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45-6460

**Compaction Hammer**

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45-6462

**Paper Discs**

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45-6463

**Steel Block**

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45-6880

**Flow Meter BS/EN**

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78-0860

**50kN Clamped Boss Load Ring**

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45-6850

**Breaking Head (Marshall)**

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45-6600/01

**AutoComp 100-A**

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46-5290

**Standard Penetrometer**

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46-5340/C

**Penetration Needle**

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46-5500/01

## Constant Temperature Bath 21 - 56°C

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## Speedy Moisture Tester G2 Large 0-50% Moisture Range. Supplied Less Calcium Carbide

Code: [23-7462](#)

Product Group: [Rapid method by Speedy Moisture Tester](#), [Rapid method by Speedy Moisture Tester](#)

Uses a technique based on the fact that water will react with calcium carbide to form a gas and that the quantity of gas formed is directly proportional to the water present. The gas pressure is indicated on a built-in pressure gauge. The pressure gauge calibrated in percentage of moisture. Has a moisture range of 0-50% with gauge divisions every 0.5%. Holds a sample size of 8 g. Includes an electronic balance of 200 g capacity x 0.1 g readability and is supplied in plastic carrying case.

## Standards

ASTM D4944, AASHTO T217

## Further Information

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

## Specification

Model	G2 Large
Moisture Range	0 to 50%
Gauge divisions	0.50%
Sample weight g	8
Weight complete kg	7.5

## Accessories



## Calcium Carbide Powder 500G.

Code: [23-7700](#)



## Reagent for Speedy Moisture Testers. Pack of 12 Cans 500 G Each. (Calcium Carbide)

Code: [23-7702](#)



## Speedy Calibration Unit Self Contained Unit.

Code: [23-7600](#)

### Alternatives



## Speedy Moisture Tester D2 Large 0-20% Moisture Range. Supplied Less Calcium Carbide

Code: [23-7452](#)



## Speedy Moisture Tester D2 Small 0-20% Moisture Range. Supplied Less Calcium Carbide

Code: [23-7502](#)





## 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](#)





## Grooving Tool and Gauge B.S.

Code: [24-0425](#)

Product Group: [Casagrande Method](#)

Constructed to British Standards.

## Standards

BS 1377-2



## Glass Plate.

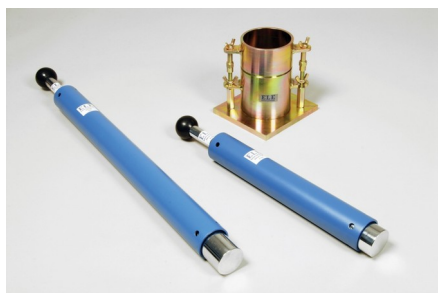
Code: [24-0430](#)

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

500 mm square x 10 mm thick.

## Standards

BS 1377-2



## 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.

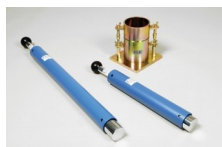
## Standards

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

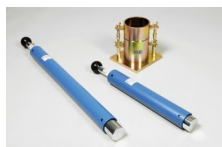
## Accessories



## Straight Edge 300mm.

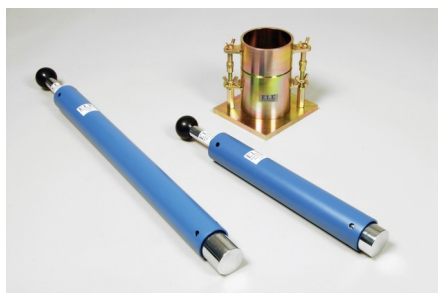
Code: [24-9010](#)

## Alternatives



## Standard Compaction Rammer 2.5kg BS1377

Code: [24-9002](#)



## 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.

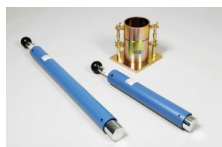
## Standards

BS 1377-4, BS 1924-2

## Specification

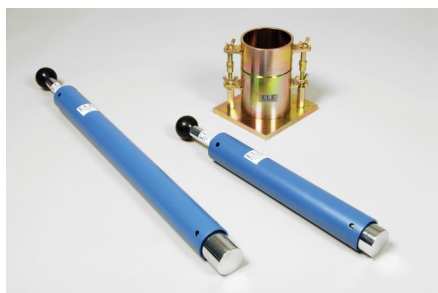
Rammer	50 mm dia, 2.5 kg
Drop	300 mm
Guide Sleeve	Machined steel tubing with air pressure release holes
Finish	Corrosion resistant
Weight kg	4.2

## Alternatives



## BS Compaction Rammer 4.5Kg Wt.

Code: [24-9004](#)



## 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](#)



## 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](#)

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## BS Cbr Mould Body.

Code: [24-9198](#)

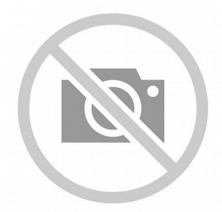
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## BS Extension Collar

Code: [24-9200](#)

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## BS Solid Base or Top Plate

Code: [24-9204](#)

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## Cbr Penetration Piston (Adjustable).

Code: [24-9183](#)

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## 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 mm<sup>2</sup> (3 in<sup>2</sup>) 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

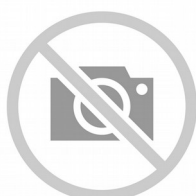
## Accessories



### 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](#)

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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](#)



## 6 Inch (152mm) Sand Cone.

Code: [29-4300](#)

Product Group: [Sand Cone 6"](#)

Comprising two cones with a shutter mechanism.  
Supplied without sand container.

## Standards

ASTM D1556, AASHTO T191

## Accessories



## 5 Litre Plastic Container for Sand Cone

Code: [29-4320](#)



## Density Plate for EL29-4300.

Code: [29-4340](#)



## Standard Sand - 600/300 $\mu$ m

Code: [82-7401](#)



## 5 Litre Plastic Container for Sand Cone

Code: [29-4320](#)

Product Group: [Sand Cone 6"](#)

5 litre capacity for fitting to 29-4300

## Standards

ASTM D1556, AASHTO T191



## Density Plate for EL29-4300.

Code: [29-4340](#)

Product Group: [Sand Cone 6"](#)

For 6 inch sand cone. The plate has a 6.5 inch diameter recessed hole to locate the sand cone.

## Standards

ASTM D1556, AASHTO T191

## Accessories



### Standard Sand - 600/300 $\mu\text{m}$

Code: [82-7401](#)

## Alternatives



### Standard Sand - 600/300 $\mu\text{m}$

Code: [82-7401](#)





## 150mm Sand Pouring Cylinder.

Code: [29-4100](#)

Product Group: [Sand Replacement](#)

### Standards

BS 1377, BS 1924



## 150mm Calibrating Container 150mm Id X deep with 250mm dia rim.

Code: [29-4120](#)

Product Group: [Sand Replacement](#)

### Standards

BS 1377, BS 1924



## Metal Tray 300mm Sq X 40mm deep with a 150mm dia hole.

Code: [29-4140](#)

Product Group: [Sand Replacement](#)

## Standards

BS 1377, BS 1924



## ADR Touch 2000 Semi-Automatic Compression Machine with Digital Readout.

Code: 36-3090/01

Product Group: General Purpose Compression Machines

- 2000 kN/450 000 lbf capacity
- Tests 150 and 100 mm concrete cubes or cylinders up to 320 x 160 mm diameter
- Incorporates an ADR touch digital readout with rugged electrically driven hydraulic power pack with manual pace control as standard.
- High stability welded construction steel frame.
- Fitted with front and rear gates for operator protection.
- Maximum vertical clearance between upper & lower platen 340mm and horizontal distance is 325 mm
- Supplied with 222 mm dia removable lower platen marked for centering of cube and cylinder specimens.

Incorporating the ADR Touch digital readout, the machines are designed to test cubes and cylinders in accordance with most International Standards. Supplied fitted for cylinder testing with safety gates. When used for cube testing appropriate distance pieces according to the size of specimen to be tested are required and must be ordered separately.

## Further Information

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

The Standard range of compression machines has been designed to meet the need for a simple, economic and reliable means of testing concrete.

Whilst delivering all the features and reputation of the established ADR Series with its extensive design history, the new and improved user interface provides a high quality platform for testing that enhances the performance of ELE's compression machines.

New, sophisticated electronics further the benefits of simplified operation, whilst delivering the highest levels of accuracy in testing concrete and cement/mortar samples, satisfying the needs of Quality Control Managers, Lab Managers and Technicians.

### ACCURACY & SAVINGS

The new ADR Touch Series, with 145mm (5.7") high resolution QVGA touch screen interface and intuitive menu-driven operation, reduces the time taken to set up the machine and perform tests, reducing the time to train staff by up to 25%.

- Up to 6 sample types can be set as favorites, enabling one-touch set up for repeat testing.
- Full, QWERTY touch pad for input of test data.

Most testing errors produce lower strength results. Noncompliant loading rates can generate errors in measured strength. The user interface includes real-time display of load vs. time, further ensuring accurate and consistent test results and providing "goodness of test" data to improve traceability in your QC operations.

## TRACEABILITY & DATA QUALITY

The ADR range now provides improved data quality and traceability in due diligence cases - it is now possible to demonstrate traceability all the way from the machine/user to the accreditation body, increasing your reputation and peace of mind - all test results now come complete with the machine serial number attached.

- Enhanced USB data communications between PC and machine - eliminating the need for download software.
- Two gigabytes of storage memory.
- Full customization of sample sizes - stress calculations are automatically recalculated.

## USER SAFETY

With full safety gates as standard, total systems diagnostics, ram run-out switches and overload warnings ensure the safety of your employees and the reliability of your machine.

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## Specification

Testing Standards	BS EN ISO 7500-1, ASTM E4
Capacity	2000 kN
Cubes (Concrete)	Up to 150 mm
Cylinders (Concrete)	Up to 160 x 320 mm
Blocks	n/a
Flexural Testing	Via Flexural Frame
TFV and ACV	Yes
Voltage Supply	220-240V 50/60 Hz 1Ph.
Frame Type	Welded
Max vert. Clearance	340 mm
Max hor. Clearance	325 mm
Platen Sizes	Lower, Upper 222 mm
Max Ram Travel	50 mm

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## Accessories



### **100kN Flexural Fitting Kit (ADR) Used for Connecting Flexural Frames to ADR Compression Machines.**

Code: [37-6138](#)



## 2000 kN Load Calibration Device complete with Handheld Readout Unit & Calibration Certificate ISO376

Code: [37-8315](#)



## ADR Touch Head for Compression Machines

Code: [37-5951/09](#)



## Flexible Hose

Code: [5038B0027](#)



## Impact Printer Rs232 Serial Connection. Supplied Complete with 1 Paper Roll.

Code: [37-4859/01](#)



## Standard Distance Piece - 100 mm Depth

Code: [37-5100](#)



## Standard Distance Piece - 20 mm Depth

Code: [37-4980](#)



## Standard Distance Piece - 50 mm Depth

Code: [37-5000](#)



## Standard Distance Piece - 60 mm Depth

Code: [37-5020](#)



## Standard Distance Piece - 80 mm Depth

Code: [37-5050](#)

## Spares/Consumables



## Pressure transducer, 0-700bar, 0.05 to 10v DC Output

Code: [6014A0062](#)

## Alternatives





## ADR Touch 1500 Compression Machine with Digital Readout.

Code: [36-0720/01](#)



## Standard Distance Piece - 80 mm Depth

Code: [37-5050](#)

Product Group: [Distance Pieces](#)

## Further Information

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



## Standard Distance Piece - 100 mm Depth

Code: [37-5100](#)

Product Group: [Distance Pieces](#)

## Further Information

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



## Slump Test Set BS & ASTM. C/W Slump Cone Base Plate Steel Rule Tamping Rod & Funnel.

Code: [34-0192](#)

Product Group: [Slump Test](#)

BS and ASTM comprising of slump cone, base plate, steel rule, tamping rod and funnel.

## Further Information

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

## Accessories



### Sample Tray - 1200 x 1160 x 50 mm

Code: [81-4230](#)



### Shovel - With flat blade

Code: [81-0240](#)

## Spares/Consumables



### Stopwatch

Code: [81-0521](#)



## Vibrating Table 600 X 400mm Table Top. 220-240V 50Hz 1Ph. Supplied with clamping assembly

Code: [34-6250/01](#)

Product Group: [Vibrating Table](#)

Vibrating table mounted on a steel stand, supplied with clamp assembly.

## Standards

EN 12390-2, EN 12350-6, EN 12350-7

## Further Information

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

3000 cycles per minute. For 220 - 240 V AC, 50 Hz, 1 ph.

## Specification

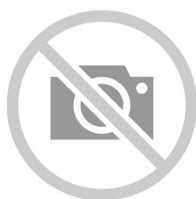
Dimensions (table top)	600 x 400 mm
Maximum no. Cube moulds	2 x 150 mm <sup>2</sup>
Clamp Assembly	Single
Weight	60 kg

## Accessories



## Compacting Bar 25mm Sq X 380mm

Code: [34-2910](#)



## Wire Brush

Code: 81-0705

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## Alternatives



## 100 X 100 X 500mm Beam Mould.

Code: 34-5003



## 100mm Cube Mould 2-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: 34-4650



## 100mm Cube Mould 4-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: 34-4520



## 100mm Dia Cylinder Mould 200mm Long.

Code: 34-5210



## 150 X 150 X 750mm Beam Mould.

Code: 34-5053



## 150mm Cube Mould 2-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: 34-4670



## 150mm Cube Mould 4-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: 34-4570



## 150mm Dia Cylinder Mould 150mm Long.

Code: 34-5230



## 150mm Dia Cylinder Mould 300mm Long.

Code: 34-5260



**200mm Cube Mould Clamp Type. Cast Iron Construction.  
Stamped Mould Sections. EN Compliant.**

Code: [34-4620](#)





## 150mm Cube Mould 4-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: [34-4570](#)

Product Group: [Cube Moulds](#), [Cube Moulds](#)

4-part with clamp attached base plate.

## Standards

BS 1881-108, EN 12390-1, EN 12390-2

## Specification

Construction	Bolted sides and clamped base plate
Finish	Painted
Weight	42 lb (19.1 kg)

## Accessories



### Aluminium Scoop Large

Code: [81-0220](#)



### Compacting Bar 25mm Sq X 380mm

Code: [34-2910](#)



### Float - Plasterer's type

Code: [81-0340](#)



## Mould Oil (25 Litre Drum)

Code: [82-7341](#)



## Wire Brush

Code: [81-0705](#)

## Spares/Consumables



## Soft Headed Mallet.

Code: [29-5020](#)

## Alternatives



## Vibrating Table 600 X 400mm Table Top. 220-240V 50Hz 1Ph. Supplied with clamping assembly

Code: [34-6250/01](#)



## Rotatest 3000

Code: 45-3815/01

Product Group: Asphalt Centrifuge Extractors

Centrifuge extractor used to determine the quantitative amount of bitumen in bituminous paving mixtures. Variable speed control from 0 to 3600 rpm through the front panel mounted control knob and brake control included for rapid deceleration.

Precision machined aluminium removable cover with integral cup for adding solvent, with sealed cast aluminium housing.  
For 220 V AC, 50 - 60 Hz, 1ph.

## Standards

EN 12697-1, ASTM D2172, AASHTO T164

## Further Information

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

3000 g capacity. Supplied with 100 Filter Discs. For 220 V AC, 50 - 60 Hz, 1ph.

## Accessories



### Bowl - 2.5 litre

Code: 81-5020



### Desiccator - Non-vacuum

Code: 82-2100



## Evaporating Dish - 100 x 40 mm

Code: [82-1970](#)



## Filter Discs Pack of 100

Code: [45-3807](#)



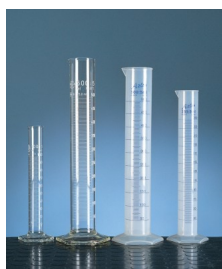
## Hotplate

Code: [78-2950/01](#)



## Measuring Cylinder - Glass 100 ml

Code: [82-0380](#)



## Measuring Cylinder - Glass 1000 ml

Code: [82-0500](#)



## Sample Tray - 306 x 306 x 38 mm

Code: [81-4020](#)

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## Silica Gel

Code: [82-7091](#)

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## Volumetric Flask - 100 ml

Code: [82-1000](#)

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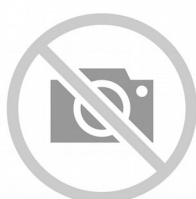


## Volumetric Flask - 1000 ml

Code: [82-1060](#)

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## Spares/Consumables



## Replacement bowl for Rotatest 3000 centrifuge extractor

Code: [45-3815/10](#)

---

## Alternatives



## Muffle Furnace

Code: [83-4170/01](#)



## Rotatest 1500

Code: [45-3810/01](#)



## Filter Discs Pack of 100

Code: [45-3807](#)

Product Group: [Asphalt Centrifuge Extractors](#)

295 mm internal diameter with a 44 mm diameter hole.

## Standards

EN 12697-1, ASTM D2172, AASHTO T164

## Further Information

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



## Compaction Mould

Code: 45-6310

Product Group: Accessories for manual and automatic compaction, Asphalt Compaction Mould

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).





## 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



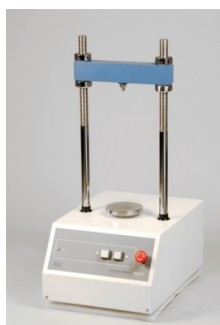
## 38mm Hand Operated Hydraulic Sample Extruder with Trimming Knife 38mm Split Former & Cutting Tool.

Code: [23-4090](#)



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

Code: [23-4250](#)



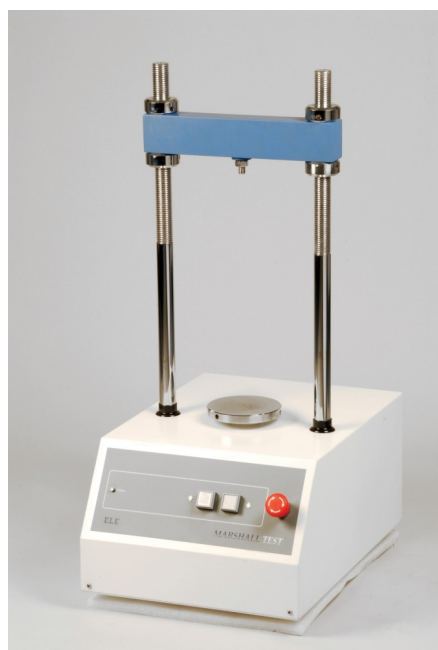
## Marshall Test 50

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



## Marshall Test 50

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



## Marshall Test 50

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

Product Group: [Marshall Load Frames](#)

- Geared screwjack and motor drive
- Precise speed
- Internal limit switch for both directions of travel
- Easy to use controls

This bench-mounting mechanical load frame is ruggedly constructed to encompass the strain and loads involved with the test. The unit is compact in size and can be quickly installed on a bench top, requiring only a power point. It has been designed for simple operation, is easy to clean and requires minimum maintenance.

## Standards

EN 12697-34

## Further Information

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

Load frame, 50 kN capacity. Supplied without Breaking Head. For 220 - 240 V AC, 50 Hz, 1 ph.

## Accessories



### 250 Asphalt Probe

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



### 30 L Heating Bath with Led Display Cover

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



## 50kN Clamped Boss Load Ring

Code: 78-0860



## 50kN S-type Load Cell

Code: 27-1559



## Breaking Head (Marshall)

Code: 45-6850



## Flow Meter BS/EN

Code: 45-6880

## Alternatives



## Digital Asphalt Thermometer

Code: 47-0202



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

Code: 27-1300/02



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

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

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

Code: [23-4200](#)



## 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).



## Paper Discs

Code: [45-6462](#)

Product Group: [Filter Paper Discs, Accessories for manual and automatic compaction](#)

Non-absorbent, 99 mm diameter, pack of 100.

## Standards

EN 12697-30

## Specification

Weight

Net 2.9 oz. (82 g).





## Steel Block

Code: [45-6463](#)

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

100 mm diameter x 50 mm height. For heating the compaction hammer foot.

## Standards

EN 12697-30

## Further Information

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

## Accessories



### Water Bath

Code: [45-6490/01](#)

## Spares/Consumables



### Baseplate

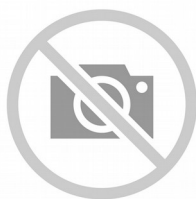
Code: [45-6310/11](#)



## Compaction Mould Body

Code: [45-6310/10](#)

## Alternatives



## Water Bath

Code: [45-6490/01](#)



## Flow Meter BS/EN

Code: [45-6880](#)

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

Dial gauge graduated 0.01 mm with 25 mm 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	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	6.35 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](#)



## 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](#)





## AutoComp 100-A

Code: 45-6600/01

Product Group: Automatic Compaction

Fully automatic, simple to operate  
Built-in safety features  
Uniform compaction  
Automatic blow counter

Complies to BS 598-107

This ruggedly constructed automatic compactor provides a consistent and even degree of compaction. The unit incorporates a compaction pedestal comprising a laminated hardwood block secured to a concrete base by a 300 mm square x 25 mm thick steel plate. The mechanism lifts the 4535 g hammer and automatically releases it at the specified height of 457 mm. The conveniently positioned control fascia panel comprises of a mains light, start and stop buttons and a direct-reading counter used to set the required number of blows.

During operation the AutoComp 100-A automatically counts down to zero. Dual rammer pick-ups have been incorporated, reducing stress on the machine's internal mechanism. Particular attention has been paid to operator safety by the inclusion of various in-built safety features.

## Standards

EN 12697-10, EN 12697-30, BS 598

## Further Information

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

## Specification

Dimensions (l x w x h)	535 x 535 x 1880 mm
Compaction foot diameter	98.52 mm

# Product Sheet

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



Sliding weight	4535 g
Height of drop	457 mm
Weight	278 kg

## Accessories

### Compaction Mould

Code: [45-6310](#)



### Digital Hotplate

Code: [78-3104/01](#)



### Paper Discs

Code: [45-6462](#)



### Sample Tray - 306 x 306 x 38 mm

Code: [81-4020](#)



## Alternatives

# Product Sheet

[www.ele.com](http://www.ele.com)  
+44 (0) 01525 249 200



## Autocomp 100-A

Code: [45-6600/06](#)



## Standard Penetrometer

Code: [46-5290](#)

Product Group: [Asphalt Penetrometer](#), [Bitumen Penetration Test](#), [Penetration Test](#)

Penetration readings are quickly taken using this simple to operate apparatus. The 150 mm diameter dial is graduated in 400 divisions of 0.1 mm. Supplied without needles and penetration tins.

## Standards

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

## Further Information

Model shown with sample container; not included, order separately.

## Specification

Dial Indicator	6" (150 mm) diam.; 400 mm x 0.1 mm.
Plunger Weight	47.5 g.
Needle	ASTM Style (non-certified); one included.
Plunger Release Weight	Manual mechanism. Net 18 lbs. (8.2 kg).

## Accessories



### ASTM (NIST Certified) Penetration Needle

Code: [46-5297](#)



### Constant Temperature Bath 21 - 56°C

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



## Penetration Needle

Code: [46-5360/10](#)



## Penetration Tin

Code: [46-5861](#)



## Penetration Tin

Code: [46-5860](#)



## Transfer Dish

Code: [46-5800](#)

## Spares/Consumables



## ASTM (Non-Certified) Penetration Needle

Code: [46-5290/10](#)



## Penetration Needle

Code: [46-5340/C](#)

Product Group: [Penetration Test](#)

Hardened steel, supplied with an UKAS verification certificate. For testing to BS 2000-49 and ASTM D5. (Pack contains 1 needle only).

## Standards

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

## Further Information

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



## 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\*\***