



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

This wishlist was generated on 24/03/2017, and contains the following Products:

24-9090/01

Automatic Soil Compactor BS 220-240V 50Hz 1Ph.

78-0135/01

425 Litre Drying Oven

78-1250/01

225 Litre Drying Oven

78-5527/01

Electronic Balance - 32 000 g x 1.0 g

24-9150/01

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

24-9182

Penetration Piston

24-9198

BS Cbr Mould Body.

24-9095/01

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

24-0410

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

78-1215/01

50 Litre Drying Oven

45-6600/01

AutoComp 100-A

45-6810/01

Marshall Test 50

23-4200

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

82-5247

Portable Thermometer 100 ml

45-6850

Breaking Head (Marshall)

45-3810/01

Rotatest 1500

34-4570

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

36-4150/01

ADR-Auto V2.0 2000 BS Compression Machine

34-0192

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



Automatic Soil Compactor BS 220-240V 50Hz 1Ph.

Code: [24-9090/01](#)

Product Group: [Automatic Compactors](#)

Preset blow pattern ensures an even compaction, includes solid state controls for reliability and maintenance. An automatic digital counter resets to zero on the completion of a test. An selectable rammer with a drop height of 300-450mm, a selectable rammer weight of 2.5 or 4-5kg. A preset number of blows per layer can be set by thumb wheel control. A compaction rate of approximately 26 blows per minute. Accepts BS Standard Compaction and CBR moulds; also meets the requirements of BS1377. Voltage 220-240V 50hz 1ph.

Standards

BS 1377, EN 13286-2, EN 13286-47

Specification

Dimensions (l x w x h)	430 x 240 x 1400 mm
Rammer BS/EN	Circular faced, 50 mm dia, selectable to 2.5 kg or 4.5 kg weight.
Rammer ASTM	Circular faced, 2 in (50.8 mm) dia, selectable to 5.5 lb (2.5 kg) or 10 lb (4.5 kg) weight.
Drop BS/EN	Adjustable to 300 mm or 450 mm
Drop ASTM	Adjustable to 12 in (305 mm) or 18 in (457 mm)
Weight kg	150

Accessories



BS Cbr Mould Body.

Code: [24-9198](#)



BS Extension Collar

Code: [24-9200](#)



BS Solid Base or Top Plate

Code: [24-9204](#)



BS Standard Compaction Mould 1000Cm Capacity.

Code: [24-9000](#)

Alternatives



Automatic Soil Compactor BS 220-240V 60Hz 1Ph.

Code: [24-9090/06](#)



425 Litre Drying Oven

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

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

Standards

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

Specification

Capacity	425 litres
External Dimensions (l x w x h)	790 x 1350 x 670 mm
Internal Dimensions (l x w x h)	640 x 920 x 760 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](#)



225 Litre Drying Oven

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



50 Litre Drying Oven

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



225 Litre Drying Oven

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

Product Group: [Percentage Refusal Density \(PRD\)](#),
[Oven Drying Method](#), [Oven Drying Method](#), [Oven Drying Method](#)

Standards

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

Specification

Capacity	225 litres
External Dimensions (l x w x h)	540 x 1040 x 940
Internal Dimensions (l x w x h)	440 x 920 x 600
Fluctuation	± 0.75°C
Rated power heater elements	2000 W
Shelves supplied	3
Shelf positions	4
Weight	80 kg

Alternatives



100 Litre Drying Oven

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



150 Litre Drying Oven

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



425 Litre Drying Oven

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

Product Sheet

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



50 Litre Drying Oven

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



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



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.



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



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

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

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

Standards

ASTM D558, ASTM D559, ASTM D560, ASTM D698, ASTM D1557, AASHTO T99, AASHTO T134, AASHTO T135, AASHTO T136, AASHTO T180, AASHTO T193

Specification

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

Accessories



ASTM Compaction Mould 152mm.

Code: [24-9066](#)



Calibration Kit

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



Proctor Mould

Code: [24-9060](#)

Spares/Consumables



Lead Cylinders

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



Modified Compaction Mould

Code: [24-9098](#)



Standard Compaction Mould

Code: [24-9097](#)

Alternatives



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

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



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

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



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](#)



50 Litre Drying Oven

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

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

Standards

BS 2648, BS 598, BS 1377, BS 1924

Further Information

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

Alternatives



100 Litre Drying Oven

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



150 Litre Drying Oven

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



225 Litre Drying Oven

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



425 Litre Drying Oven

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



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

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



Digital Hotplate

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



Paper Discs

Code: [45-6462](#)



Sample Tray - 306 x 306 x 38 mm

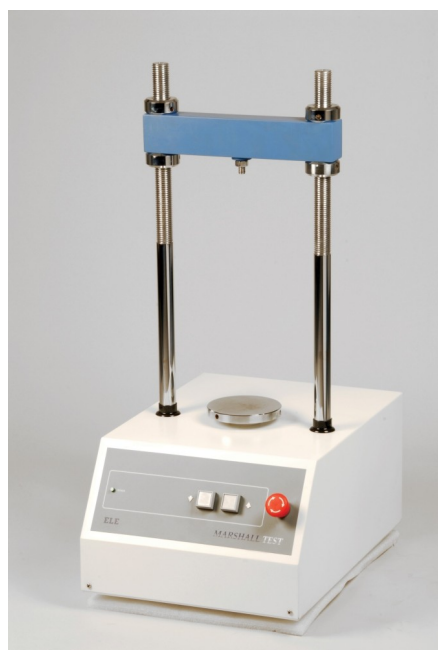
Code: [81-4020](#)

Alternatives



Compaction Mould

Code: [45-6310](#)



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](#)



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

Code: [23-4200](#)



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



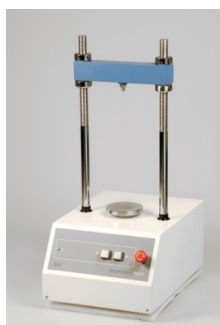
38mm Hand Operated Hydraulic Sample Extruder with Trimming Knife 38mm Split Former & Cutting Tool.

Code: 23-4090



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

Code: 23-4250



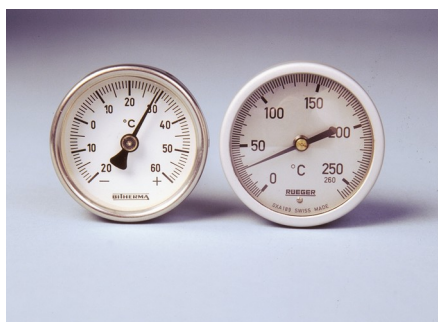
Marshall Test 50

Code: 45-6810/01



Marshall Test 50

Code: 45-6810/06



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****



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](#)



Rotatest 1500

Code: 45-3810/01

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. 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.

Standards

EN 12697-1, ASTM D2172, AASHTO T164

Further Information

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

1500 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: [45-3803](#)



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](#)



Silica Gel

Code: [82-7091](#)



Volumetric Flask - 100 ml

Code: [82-1000](#)



Volumetric Flask - 1000 ml

Code: [82-1060](#)

Alternatives



Muffle Furnace

Code: 83-4170/01



Rotatest 3000

Code: 45-3815/01



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](#)



ADR-Auto V2.0 2000 BS Compression Machine

Code: [36-4150/01](#)

Product Group: [BS EN Compression Machines](#)

The ADR-Auto V2.0 2000 BS EN is supplied complete with self-centring lower platen and safety gates fitted with interlock switches ready for testing 300 x 150 mm diameter cylinders. When used for cube testing Distance pieces (EN) of the appropriate size must be ordered separately.

Standards

EN 12350-6, NF P18-411

Further Information

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

Whilst delivering all of the features and reputation of the established ADR-Auto V2.0 range with its 20 year design history, the new and improved user interface provides a high quality platform for testing that will enhance the performance of our compression machines. New, sophisticated electronics further the benefits of a closed-loop operation in testing concrete and cement/ mortar samples, satisfying the requirements of Quality Control Managers, Lab Managers and Technicians alike.

ACCURACY & SAVINGS

The NEW ADR-Auto V2.0 range, with 145mm (5.7") 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%. Most testing errors produce lower strength results. Noncompliant loading rates can generate errors in measured strength. With the latest closed-loop technology used in the ADR-Auto V2.0, the most effective cement ratios can be used with confidence.

TRACEABILITY & DATA QUALITY

The ADR-Auto V2.0 now provides improved data quality and traceability in due diligence cases - it is now possible to display 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. Prove your service quality - the ADR-Auto V2.0 now plots load vs time in real-time, proving full compliance to the testing standard. This data can be stored for later use or for detailed analysis of the concrete production.

USER SAFETY

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.

Specification

Testing Standards

BS EN 12390, BS EN 12390-3,

Capacity	BS EN 12390-4, BS EN 12390-5, EN 12504-1, EN 1354, EN 1521, EN 3161, EN 1338, EN 772-6, EN 13286-41, BS 3892-3, BS 187, BS 6717, BS EN ISO 7500-1, ASTM E4
Cubes (Concrete)	2000 kN
Cylinders (Concrete)	Up to 200 mm
Blocks	Up to 160 x 320 mm
TFV and ACV	Via optional Platen Handling System
Voltage Supply	Yes
Frame Type	220-240 V 50 Hz 1 Ph
Max vert. Clearance	Welded
Max hor. Clearance	340 mm
Platen Sizes	355 mm
Max Ram Travel	Lower 220mm sq, Upper 300mm dia
	50 mm

Accessories



100 kN Flexural Fitting Kit ADR Auto for 220 - 240 V AC, 50 Hz, 1 ph

Code: [37-6135/01](#)



100 kN Flexural Fitting Kit ADR Auto for 220 - 240 V AC, 60 Hz, 1 ph

Code: [37-6135/06](#)



2000 kN Capacity Calibration Load Cell with Hand-Held Readout

Code: [37-8315](#)



300mm Lower Brick Platen

Code: [37-4842](#)



BS Block Platens & Platen Handling Assembly for 2000kN & 3000kN BS Frames.

Code: [37-4830](#)



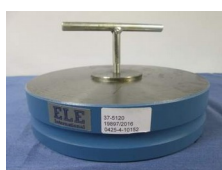
EN 12390-3/4 Distance Piece - 100 mm Depth

Code: [37-5180](#)



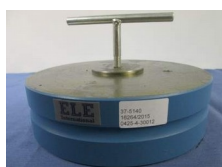
EN 12390-3/4 Distance Piece - 20 mm Depth

Code: [37-5110](#)



EN 12390-3/4 Distance Piece - 50 mm Depth

Code: [37-5120](#)



EN 12390-3/4 Distance Piece - 60 mm Depth

Code: [37-5140](#)



Flexible Hose

Code: [5038B0027](#)



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

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

Spares/Consumables



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

Code: [6014A0062](#)

Alternatives



ADR-Auto V2.0 2000 BS Compression Machine

Code: [36-4150/06](#)



ADR-Auto V2.0 3000 BS EN Compression Machine

Code: [36-4165/01](#)



ADR-Auto V2.0 3000 BS EN Compression Machine

Code: [36-4165/06](#)



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](#)