



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

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24-9150/01

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

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

24-9208

C-Spanner for BS Cbr Mould. Two Required.

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Base Plate Tool for BS Mould

24-9212

Static Compaction Plug.

24-9214

2Kg Annular Surcharge Weight

24-9216

2Kg Split Surcharge Weight.

24-9220

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

29-4100

150mm Sand Pouring Cylinder.

29-4120

150mm Calibrating Container 150mm Id X Deep with 250mm Dia Rim.

29-4140

Metal Tray 300mm Sq X 40mm Deep with A 150mm Dia Hole.

24-0430

Glass Plate.

79-2590

300mm Dia BS Sieve 19.0mm Perforated Plate.

79-2555

300mm Dia BS Sieve 10.0mm Perforated Plate.

79-2525

300mm Dia BS Sieve 6.30mm Perforated Plate.

79-2510

300mm Dia BS Sieve 4.75mm Perforated Plate.

79-2280

300mm Dia BS Sieve 2.36mm Stainless Steel Mesh.

79-2270

300mm Dia BS Sieve 2.00mm Stainless Steel Mesh.

79-2260

300mm Dia BS Sieve 1.70mm Stainless Steel Mesh.

79-2240

300mm Dia BS Sieve 1.18mm Stainless Steel Mesh.

79-2230

300mm Dia BS Sieve 1.00mm Stainless Steel Mesh.

79-2205

300mm Dia Iso:565 3310/1 Sieve 630 Mic Stainless Steel Mesh.

79-2180

300mm Dia BS Sieve 425Mic Stainless Steel Mesh.

79-2160

300mm Dia BS Sieve 300Mic Stainless Steel Mesh. Fitted with Reinforcing Mesh.

79-2120

300mm Dia BS Sieve 150Mic Stainless Steel Mesh. Fitted with Reinforcing Mesh.

79-2080

300mm Dia BS Sieve 75 Mic Stainless Steel Mesh. Fitted with Reinforcing Mesh.



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



3.1 Shape Index Caliper.

Code: [42-0821](#)

Product Group: [Determination of the Shape Index](#)

Designed to measure the ratio of length to width of individual aggregate particles.

Standards

EN 933-4

Further Information

NOT AVAILABLE FOR SALE IN THE USA



Flakiness Gauge.

Code: [42-0410](#)

Product Group: [Flakiness Sieves and Gauges](#)

Constructed of heavy gauge sheet steel to the dimensions specified in BS 812.

Standards

BS 812

Further Information

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



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

Code: [81-0590](#)

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

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

Standards

EN 933-4

Further Information

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



ADR Touch 2000 Standard 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
- Supplied with Windows(R) download software as standard.

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.

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

Spares/Consumables



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

Code: [6014A0062](#)



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****



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

Code: [34-4520](#)

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

4-part with clamp attached base plate.

Specification

Construction	Bolted sides and clamped base plate
Finish	Painted
Weight	20 lb (9.1 kg)



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.

Specification

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



Standard Concrete Test Hammer

Code: [35-1480](#)

Product Group: [Concrete Test Hammer, Surface Hardness](#)

The hammer is intended for testing the quality of concrete in finished structures such as buildings and bridges. Supplied complete with carrying case and carborundum stone, the hammer is suitable for testing concrete with compressive strengths of 10 to 70 N/mm².

Standards

ASTM C805

Specification

Body	Includes indicator scale, calibration curves.
Calibration Curves	Rebound number vs. compressive strength.
Rubbing Stone	Prepares test surface.
Accuracy	Within 15 %.
Carrying Case	Plastic.
Weight	Net 3 lbs. (1.4 kg).

Spares/Consumables



Rubbing Stone

Code: [35-1475/10](#)



Dynamic Cone Penetrometer 8Kg Hammer (Trl Design).

Code: [29-3720](#)

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

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

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

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

Further Information

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

Spares/Consumables



Spare Cone for Dynamic Cone Penetrometer.

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



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



Shrinkage Mould to BS 1377

Code: [24-1800](#)

Product Group: [Linear Shrinkage](#)

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

Standards

BS 1377



Vernier Caliper Range 0 to 200mm X 0.02mm.

Code: [81-0588](#)

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

Vernier callipers 200 x 0.002mm. Graduated in mm and inches.

Standards

EN 933-4, BS 1377



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



50kN Load Measuring Ring

Code: 78-0860

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

Spares/Consumables



Spare Dial Indicator for Load Rings

Code: 78-5461



Penetration Piston

Code: [24-9182](#)

Product Group: [Penetration Measurement](#)

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



Penetration Dial Gauge BS

Code: 24-9186

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

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

Standards

BS 1377, BS 1924



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

Code: 24-9188

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

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

Standards

BS 1377, BS 1924



BS Cbr Mould Body.

Code: 24-9198

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

Standards

ASTM D1883, AASHTO T193

Specification

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



BS Extension Collar

Code: 24-9200

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

Standards

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



BS Solid Base or Top Plate

Code: 24-9204

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

Standards

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



BS Perforated Base Plate.

Code: [24-9202](#)

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

To fit mould body

Standards

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



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

Code: [24-9206](#)

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

To fit BS/EN mould body.

Standards

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



C-Spanner for BS Cbr Mould. Two Required.

Code: [24-9208](#)

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

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

Standards

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



Base Plate Tool for BS Mould

Code: [24-9210](#)

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

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

Standards

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



Static Compaction Plug.

Code: [24-9212](#)

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

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

Standards

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



2Kg Annular Surcharge Weight

Code: [24-9214](#)

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

Standards

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



2Kg Split Surcharge Weight.

Code: [24-9216](#)

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

Standards

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



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

Code: [24-9220](#)

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

Box of 100.

Standards

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



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



Glass Plate.

Code: 24-0430

Product Group: Casagrande Method, Determination of Plastic Limit

500 mm square x 10 mm thick.

Standards

BS 1377-2



300mm Dia BS Sieve 19.0mm Perforated Plate.

Code: 79-2590

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

Standards

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

Further Information

NOT AVAILABLE FOR SALE IN THE USA



300mm Dia BS Sieve 10.0mm Perforated Plate.

Code: 79-2555

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

Standards

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

Further Information

NOT AVAILABLE FOR SALE IN THE USA



300mm Dia BS Sieve 6.30mm Perforated Plate.

Code: 79-2525

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

Standards

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

Further Information

NOT AVAILABLE FOR SALE IN THE USA



300mm Dia BS Sieve 4.75mm Perforated Plate.

Code: 79-2510

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

Standards

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

Further Information

NOT AVAILABLE FOR SALE IN THE USA



300mm Dia BS Sieve 2.36mm Stainless Steel Mesh.

Code: 79-2280

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

Standards

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

Further Information

NOT AVAILABLE FOR SALE IN THE USA



300mm Dia BS Sieve 2.00mm Stainless Steel Mesh.

Code: 79-2270

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

Standards

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

Further Information

NOT AVAILABLE FOR SALE IN THE USA



300mm Dia BS Sieve 1.70mm Stainless Steel Mesh.

Code: 79-2260

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

Standards

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

Further Information

NOT AVAILABLE FOR SALE IN THE USA



300mm Dia BS Sieve 1.18mm Stainless Steel Mesh.

Code: 79-2240

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

Standards

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

Further Information

NOT AVAILABLE FOR SALE IN THE USA



300mm Dia BS Sieve 1.00mm Stainless Steel Mesh.

Code: 79-2230

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

Standards

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

Further Information

NOT AVAILABLE FOR SALE IN THE USA



300mm Dia Iso:565 3310/1 Sieve 630 Mic Stainless Steel Mesh.

Code: 79-2205

Product Group: 300mm Diameter BS Sieves, 300mm
Diameter BS Sieves, 300mm Diameter BS Sieves

Standards

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

Further Information

NOT AVAILABLE FOR SALE IN THE USA



300mm Dia BS Sieve 425Mic Stainless Steel Mesh.

Code: 79-2180

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

Standards

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

Further Information

NOT AVAILABLE FOR SALE IN THE USA



300mm Dia BS Sieve 300Mic Stainless Steel Mesh. Fitted with Reinforcing Mesh.

Code: 79-2160

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

Standards

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

Further Information

NOT AVAILABLE FOR SALE IN THE USA



300mm Dia BS Sieve 150Mic Stainless Steel Mesh. Fitted with Reinforcing Mesh.

Code: 79-2120

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

Standards

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

Further Information

NOT AVAILABLE FOR SALE IN THE USA



300mm Dia BS Sieve 75 Mic Stainless Steel Mesh. Fitted with Reinforcing Mesh.

Code: 79-2080

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

Standards

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

Further Information

NOT AVAILABLE FOR SALE IN THE USA