



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

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Prong Plate.

Code: [24-1500](#)

Product Group: [Volumetric Shrinkage](#), [Shrinkage](#)
[Prong Plate](#)

Made of acrylic plastic fitted with three prongs,
nominal 76 mm square and 2.4 mm thick.

Standards

BS 1377, ASTM D427, AASHTO T92

Specification

Construction	Acrylic plastic with 3 metal prongs.
Dimensions	3" square x 1/8" thick (76 x 3.2 mm).
Weight	Net 1 oz. (28 g).



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



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)



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)



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



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/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.

Steel mould, corrosion resistant finish, supplied with collar and perforated base plate.

Designed to accept optional cutting collars and solid baseplates.

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



ASTM Spacing Disc.

Code: [24-9238](#)

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

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).



Filter Screen 150mm Dia with 0.15mm Mesh.

Code: [24-9240](#)

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

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).



4.5Kg Annular Surcharge Weight ASTM.

Code: [24-9243](#)

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



5Lb (2.27Kg) Split Surcharge Weight.

Code: [24-9244](#)

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

Specification

Construction

Machined steel.

Finish

Plated.



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).



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).



Falling Head Permeability Cell.

Code: 25-0605

Product Group: Falling Head Apparatus

Specification

Cell	Plated seamless tube 100 mm diameter x 130 mm height
Base	Porous plate with three tie rods
Top plate	Machined to accept smaller tubes
Weight kg	3.4



De-Airing Tank.

Code: [25-0611](#)

Product Group: [Compaction Permeameter](#)

Manufactured from transparent plastic with de-airing jet inlet and a flow outlet connection with flexible tubing. The tank is manufactured to withstand a reduced pressure and is suitable for direct wall mounting.

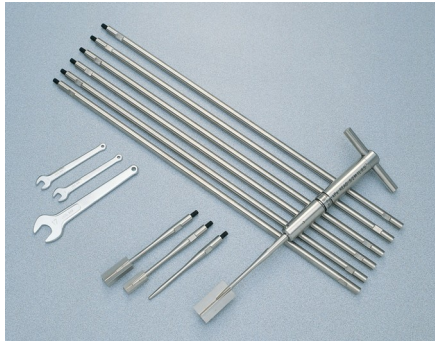


Soaking Tank.

Code: [25-0613](#)

Product Group: [Compaction Permeameter](#)

With fixed overflow. Used for containing permeability cell during test.



H60 Field Inspection Vane Tester 0-200Kpa In Carrying Case. includes calibration and certificates.

Code: [26-3335](#)

Product Group: [Inspection Vane](#)

This instrument is an essential tool for civil engineers involved in site investigation work. The unit is supplied in kit form with a carrying case incorporating the measuring head, extension rods, vanes, etc. The measuring head comprises a T-handle that is spring-loaded against the extension rod adaptor. Weight 5.5 kg.

Further Information

Range 0 to 260 kPa, in carrying case with 6 x 0.5 metre extension rods, 3 vanes, dummy vane and tools. Supplied complete with Calibration Certificate.



ADR Touch SOLO 2000 BS EN Compression Machine with Digital Readout and Self Centring Platens.

Code: 36-3280/01

Product Group: BS EN Compression Machines

The ADR Touch range of 2000 kN and 3000 kN capacity compression machines has been designed to meet the need for reliable and consistent testing. The load frame is a welded steel fabrication carrying the ball-seated upper platen. Positively located on the loading ram, which is protected from debris by a flexible cover, the lower platen is marked for the centring of cube and cylinder specimens. Self-centring lower platens for cube location are supplied as standard on EN machines and are available as an optional extra on the standard machine. The two machines for cube testing to EN standards are assembled and aligned using a special compression frame stability tester.

The dimensions of the frame allow the testing of concrete cylinders up to 320 mm long x 160 mm diameter, 150 and 100 mm square cubes, and on EN/BS machines, 200 mm square cubes. Kerbs and flagstones may also be tested on ADR machines as well as 150 mm and 100 mm square section beams to ASTM C78 using the optional 100 kN flexural frames which are connected to the power pack.

Standards

EN 12350-6, NF P18-411

Further Information

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

ADR Touch BS EN 2000 and 3000 kN compression machines are supplied complete with self-centring lower platen and safety gates fitted with interlock switches ready for testing 300 x 150 mm diameter cylinders.

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 12390-4, BS EN 12390-3, 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
Capacity	2000 kN
Cubes (Concrete)	Up to 200 mm
Cylinders (Concrete)	Up to 160 x 320 mm
Blocks	Via optional Platen Handling System
Flexural Testing	Via Flexural Frame
TFV and ACV	Yes
Voltage Supply	220-240V 50/60 Hz 1Ph.
Frame Class (Stability)	Tested
Frame Type	Welded
Max vert. Clearance	340 mm
Max hor. Clearance	355 mm
Platen Sizes	Lower 220mm sq, Upper 300mm dia
Max Ram Travel	50 mm



Standard Distance Piece - 20 mm Depth

Code: [37-4980](#)

Product Group: [Distance Pieces](#)

Further Information

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



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 - N/div	25.5
Typical Design Sensitivity - Kgf/div	2.54
Overall Height	9.76" (248 mm)
Approx Weight	11 .9 lbs.(5.4 kg)



Spatula 150 mm

Code: [81-0120](#)

Product Group: [Spatulas](#)

Further Information

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



Timer Clock

Code: [81-0518](#)

Product Group: [Rice Test Vibrator](#), [Watches and Clocks](#)

- For use with penetrometer
- 3 count down modes with individual audible alarms on expiry
- Capacity 23 hours, 59 minutes and 59 seconds
- 12 or 24 hour modes
- Impact resistant ABS case with slip put desk stand & magnet
- Dimensions 68 mm width, 90 mm height, 12 mm depth

Standards

EN 12697-5

Further Information

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



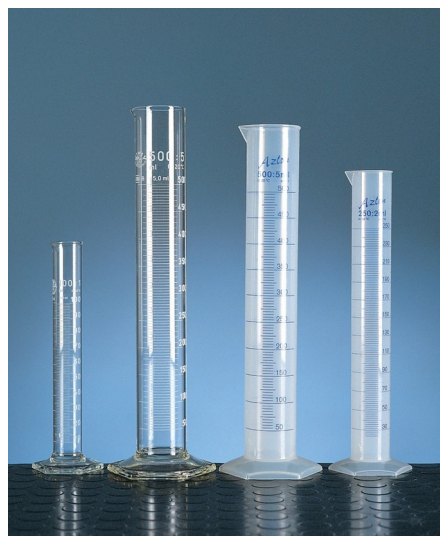
Straight Edge

Code: [81-0715](#)

Product Group: [Miscellaneous Laboratory Hardware](#)

Further Information

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



Measuring Cylinder - Glass 100 ml

Code: 82-0380

Product Group: Measuring Cylinders, BS, Volumetric Shrinkage

Soda glass, spouted, BS EN 4788.

Further Information

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