



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

This wishlist was generated on 11/05/2018, and contains the following Products:

24-4865/01

Constant Temperature Bath 5 to 99.9 Deg.C X 0.1 Deg.C with Led Display and False Base Support.

24-4125/01

High Speed Stirrer Complete with Paddle Cup & Baffle. 220-240V 50/60Hz 1Ph.

24-4620

Soil Hydrometer BS EN DD ENV graduated 0.995 to 1.030 g/ml

24-4640

Soil Hydrometer Type 152H ASTM/Aashto Graduated -5 to + 60G/Litre.

24-4650

Soil Hydrometer Type 151H ASTM D422 Graduated 0.995 to 1.038 Specific Gravity.

24-4700

Hydrometer Sedimentation Cylinder

24-4800

Nomographic Chart for The Determination of Stokes Law.

79-0040

200mm Dia BS Sieve 38 Mic Stainless Steel Mesh.

79-2040

300mm Dia BS Sieve 38 Mic Stainless Steel Mesh. Fitted with Reinforcing Mesh.

79-5000

8in Dia ASTM Sieve 6.30mm Stainless Steel Mesh.

79-5800

12in Dia ASTM Sieve 6.30mm Stainless Steel Mesh. Non Standard Frame.

24-4919

Sand Equivalent Apparatus ASTM Aashto with Carrying Case.

24-4945/01

Motorised Sand Equivalent Shaker ASTM. 220-240VK 50Hz 1Ph.

25-0580

Constant Head Permeability Cell 75mm Diameter Specimen.

25-0591

Manometer Tubes & Stand.

25-0593

Constant Level Tank.

25-0605

Falling Head Permeability Cell.

25-0607

Compaction Permeameter.

25-0609

Standpipe Panel.

25-0613

Soaking Tank.

SP25-0623

Combination Permeameter, 2.5" (63.4 mm)

25-0650

Guelph Permeameter Supplied Complete with Extension Kit.

29-3720

Dynamic Cone Penetrometer 8Kg Hammer (Trl Design).

29-3800

Plate Bearing Apparatus Complete. 500kN Capacity

29-3729

Pocket Penetrometer.

29-3925

Proctor Penetrometer Spring Type with Adaptor Stem.

29-4000

100mm Sand Pouring Cylinder.

29-4100

150mm Sand Pouring Cylinder.

Contents

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29-4200

200mm Sand Pouring Cylinder.

29-4300

6 Inch (152mm) Sand Cone.

82-7401

Standard Sand - 600/300 µm

29-5300

Core Cutter 100mm Id By 130mm Long.

29-5000

Density Spoon.

29-5020

Soft Headed Mallet.

29-5060

Density Chisel.

29-5080

Metal Dibber Tool

29-5120

Density Hand Pick.

29-5140

Steel Pointed Rod.



Constant Temperature Bath 5 to 99.9 Deg.C X 0.1 Deg.C with Led Display and False Base Support.

Code: [24-4865/01](#)

Product Group: [Constant Temperature Bath](#)

This compact, bench-top stirrer is used for dispersing soil samples in water for hydrometer analysis. The stirrer is supplied complete with Mixing Paddle and Dispersion Cup. Weight 4 kg.

Further Information

Specially designed for the sedimentation testing of soils and other fine grained material, the bath is supplied with a false bottom to assist in circulation of the bath liquid. Will accommodate six Sedimentation Cylinders.

Specification

Dimensions (l x w x h)	535 x 210 x 610 mm external
Capacity	Holds up to 6 sedimentation cylinders
Construction	Stainless steel with toughened glass front
Temperature Control	Heater/thermostat/circulation with digital controller unit 5 to 99.9 Deg.C X 0.1 Deg.C
Power	1500 watts
Weight kg	12



High Speed Stirrer Complete with Paddle Cup & Baffle. 220-240V 50/60Hz 1Ph.

Code: [24-4125/01](#)

Product Group: [Mechanical Analysis Stirrer](#)

Compact bench top stirrer used for dispersing soil samples in water. Supplied complete with mixing paddle and dispersion cup with baffle. Beaker position maintained by column retainer.

Standards

BS 1377, ASTM D422, AASHTO T88

Accessories



Sodium Hexametaphosphate 500G.

Code: [24-4145](#)

Spares/Consumables



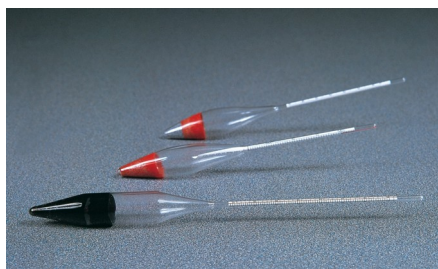
Mixing Paddle for 24-4125 Series High Speed Stirrer

Code: [24-4125/10](#)



Soil Dispersion Cup & Baffle.

Code: [24-4125/11](#)



Soil Hydrometer BS EN DD ENV graduated 0.995 to 1.030 g/ml

Code: [24-4620](#)

Product Group: [Soil Hydrometers](#)

Graduated 0.995 to 1.030 g/ml.

Standards

ASTM D422, BS 1377, EN 1997-2, ASTM E100, AASHTO T88

Alternatives



Soil Hydrometer Type 151H ASTM D422 Graduated 0.995 to 1.038 Specific Gravity.

Code: [24-4650](#)



Soil Hydrometer Type 152H ASTM/Aashto Graduated -5 to + 60G/Litre.

Code: [24-4640](#)



Soil Hydrometer Type 152H ASTM/Aashto Graduated -5 to + 60G/Litre.

Code: [24-4640](#)

Product Group: [ASTM Soil Hydrometers, Soil Hydrometers](#)

Graduated -5 to +60 g/litre.

Standards

BS 1377, EN 1997-2, ASTM D422, ASTM E100, AASHTO T88

Specification

Construction	Molded, seamless.
Scale	Bouyoucos; double scale.
Calibration	At 68°F.
Weight	Net 4 oz. (113 g).

Alternatives



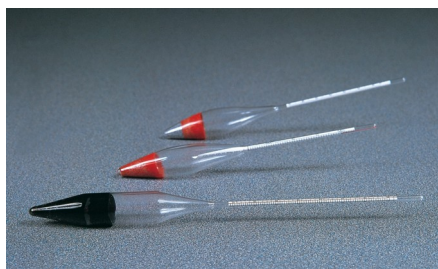
Soil Hydrometer BS EN DD ENV graduated 0.995 to 1.030 g/ml

Code: [24-4620](#)



Soil Hydrometer Type 151H ASTM D422 Graduated 0.995 to 1.038 Specific Gravity.

Code: [24-4650](#)



Soil Hydrometer Type 151H ASTM D422 Graduated 0.995 to 1.038 Specific Gravity.

Code: [24-4650](#)

Product Group: [ASTM Soil Hydrometers, Soil Hydrometers](#)

Graduated 0.995 to 1.038 g/ml.

Standards

ASTM D422, ASTM E100, AASHTO T88

Specification

Construction	Molded, seamless.
Scale	Bouyoucos; double scale.
Calibration	At 68°F.
Weight	Net 4 oz. (113 g).

Alternatives



Soil Hydrometer BS EN DD ENV graduated 0.995 to 1.030 g/ml

Code: [24-4620](#)



Soil Hydrometer Type 152H ASTM/Aashto Graduated -5 to + 60G/Litre.

Code: [24-4640](#)



Hydrometer Sedimentation Cylinder

Code: [24-4700](#)

Product Group: [Hydrometer Sedimentation Cylinder](#),
[Hydrometer Jar](#)

Glass, 1000 ml capacity complete with rubber bung.

Standards

BS 1337, ASTM D422, AASHTO T88

Further Information

1000ml Glass

Accessories



Nomographic Chart for The Determination of Stokes Law.

Code: [24-4800](#)

Spares/Consumables



Solid Rubber Stopper

Code: [4699-0881](#)



Nomographic Chart for The Determination of Stokes Law.

Code: [24-4800](#)

Product Group: [Hydrometer Sedimentation Cylinder](#)

For the determination of Stoke's Law.

Standards

ASTM D422, AASHTO T88



200mm Dia BS Sieve 38 Mic Stainless Steel Mesh.

Code: [79-0040](#)

Product Group: [200mm Diameter BS Sieves](#), [200mm Diameter BS Sieves](#), [200mm Diameter BS Sieves](#)

200mm Diameter 38 Microns Aperture Brass Framed Sieve With Stainless Steel Mesh To BS 410

Further Information

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



300mm Dia BS Sieve 38 Mic Stainless Steel Mesh. Fitted with Reinforcing Mesh.

Code: 79-2040

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

Standards

ISO 565, BS410-1, EN933-2, ISO 3310

Further Information

NOT AVAILABLE FOR SALE IN THE USA



8in Dia ASTM Sieve 6.30mm Stainless Steel Mesh.

Code: 79-5000

Product Group: 8" Diameter ASTM Sieves, 8in Dia ASTM Brass Sieves, 8" Diameter ASTM Sieves, 8" Diameter ASTM Sieves

Standards

ASTM E11

Specification

Frames	Full height; 2" (51 mm) depth to mesh.
Construction	Polished and lacquered brass with S.S. mesh.
Nameplates	Show standard, alternate and Tyler Screen Scale equivalent designations.
Weights	Net 1 lb. (453 g).
Sieve Size or Number	1/4"
Sieve Opening Standard	6.3 mm
Sieve Opening Alternative (in.)	0.25



12in Dia ASTM Sieve 6.30mm Stainless Steel Mesh. Non Standard Frame.

Code: 79-5800
Product Group: 12" Diameter ASTM Sieves, 12in Dia ASTM Brass Sieves, 12" Diameter ASTM Sieves, 12" Diameter ASTM Sieves

Standards
ASTM E11

Specification

Frames	Full height; 3-1/4" (82.5 mm) depth to mesh.
Construction	Polished and lacquered brass with S.S. mesh.
Nameplates	Show standard, alternate and Tyler Screen Scale equivalent designations.
Weights	Net 4 lbs. (1.8 kg).
Sieve Size or Number	1/4"
Sieve Opening Standard	6.3 mm
Sieve Opening Alternative (in.)	0.25



Sand Equivalent Apparatus ASTM Aashto with Carrying Case.

Code: [24-4919](#)

Product Group: [Sand Equivalent Value](#), [Sand Equivalent Value](#)

Set Includes:

- 4 Plastic measuring cylinders
- 1 Carrying case
- 1 Weighted foot assembly
- 1 Irrigator tube
- 1 Rubber tubing complete with pinch clip
- 1 Funnel.

Standards

ASTM D2419, AASHTO T176

Accessories



5 Litre Syphon Assembly with Connection for 5mm Id Tubing.

Code: [24-4925](#)



Calcium Chloride 2.5Kg.

Code: [24-4930](#)



Formaldehyde 40% Aqueous Solution 2.5 Litre.

Code: [24-4932](#)



Glycerol Analar 2.5 Litre

Code: [24-4934](#)



Motorised Sand Equivalent Shaker ASTM. 220-240VK 50Hz 1Ph.

Code: [24-4945/01](#)

Product Group: [Sand Equivalent Value](#), [Sand Equivalent Value](#)

Bench mounting mechanical sand equivalent shaker with a stroke of 203mm (8 inches) and a running frequency of 175 cycles per minute. The integral timer stops shaker upon test completion. For use on 220-240v 50Hz 1ph.

Further Information

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

Recommended for use in laboratories performing a large number of tests, motorised shakers provide a consistent and repeatable oscillation, minimising variation in test results.



Constant Head Permeability Cell 75mm Diameter Specimen.

Code: [25-0580](#)

Product Group: [Constant Head Apparatus](#)

75 mm Diameter

Standards

BS 1377-5

Specification

Nominal Cell inside diameter	75 mm
Cell wall	Transparent plastic
Take-off points	3
End plates	Anodised aluminium
Weight kg	2.6



Manometer Tubes & Stand.

Code: [25-0591](#)

Product Group: [Constant Head Apparatus](#)

Comprising three glass tubes of constant bore, metre scale and connecting tubing for cell pressure take-off points, all mounted on a free-standing panel. Comprising three glass tubes of constant bore, metre scale and connecting tubing for cell pressure take-off points, all mounted on a free-standing panel.

Standards

BS 1377-5



Constant Level Tank.

Code: [25-0593](#)

Product Group: [Constant Head Apparatus](#)

Manufactured from transparent plastic with attachment for wall mounting. The inlet, outlet and overflow pipes are fitted to the base of the tank and can be adjusted for height within the tank. Supplied complete with connecting tubing.

Standards

BS 1377-5



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



Compaction Permeameter.

Code: [25-0607](#)

Product Group: [Compaction Permeameter](#)

101.6 mm

Specification

Mould	Machined seamless steel tubing, plated
Capacity	101.6 x 116.4 mm (inside dia x h) 1/30 ft ³
Collar	50.8 mm high, machined
Top	Overflow valve assembly and water connection
Base	Cast aluminum, with inlet/outlet fitting
Porous stone	(4") 101.6 x 12.7 mm (diameter x thickness)
Weights	5.4 kg

Accessories



De-Airing Tank.

Code: [25-0611](#)



Soaking Tank.

Code: [25-0613](#)



Standpipe Panel.

Code: [25-0609](#)



Standpipe Panel.

Code: [25-0609](#)

Product Group: [Compaction Permeameter](#)

Complete with three glass tubes of 1.5, 3 and 5 mm diameter bore, approximately 1.4 metres long. Supplied with metre scale and thick walled flexible tubing. The glass tubes are fitted to a panel for wall mounting and connected to a 3-way outlet valve. Complete with three glass tubes of 1.5, 3 and 5 mm diameter bore, approximately 1.4 metres long. Supplied with metre scale and thick walled flexible tubing. The glass tubes are fitted to a panel for wall mounting and connected to a 3-way outlet valve.



Soaking Tank.

Code: [25-0613](#)

Product Group: [Compaction Permeameter](#)

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



Combination Permeameter, 2.5" (63.4 mm)

Code: [SP25-0623](#)

Product Group: [Combination Permeameter](#),
[Combination Permeameter Constant or Falling Head](#)

- Plated steel chamber head assembly
- Corrosion-resistant cast aluminum base assembly
- Includes accessories for conducting both constant and falling head permeability studies

This combination permeameter has a transparent plastic chamber for soil specimens of either fine-grained or coarse-grained soils. Generally, soils containing 10 percent or more particles passing a 75 μ m sieve are tested using the falling head assembly. More granular soils, containing 90 percent or more particles retained on the 75 μ m sieve, are tested using the constant head assembly.

The cell is sealed at the top so that a vacuum may be used to saturate the specimen. Porous stones located at the top and bottom of the cell prevent sample flaking or washout. For constant head tests, a plastic funnel reservoir is mounted on an upright attached to the cell, providing a maximum head of 550 mm. Falling head tests are performed using the graduated pipette falling head reservoir, which gives a maximum head of 1000 mm and is graduated 0.2 ml.

Specification

Specimen size	63.5 x 140 mm (dia x l max).
Chamber	Transparent plastic, single section
Base	Cast aluminium
Top seal	Plated steel with gaskets
Porous Stones	62.7 x 12.7 mm (diameter x thickness)
Constant head	Plastic, funnel reservoir, 550 mm maximum head
Falling head	Graduated pipette, 100 ml x 0.2 ml, 1000 mm maximum head
Weight kg	5
Specimen Size	2-1/2" diam. x 5-1/2" l. max. (63.5 x 140 mm).
Capacity	Clear lucite; 1/4" (6.3 mm) wall;

Product Sheet

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Base	single section.
Top Seal	Cast aluminum.
Porous Stones	Plated steel with gaskets.
	Mounts at top and bottom; 2.47" diam. x 1/2" thick (62.7 x 12.7 mm); 105-120 permeability rating; 300 micron, average pore size.
Constant Head	Plastic; funnel reservoir; 55 cm maximum head.
Falling Head	Graduated pipette; 100 mm x 0.2 mm; 100 cm. maximum head.
Weight	Net 11 lbs. (5 kg).

Spares/Consumables



Porous Stone 2.47" x .50"

Code: T-308



Guelph Permeameter Supplied Complete with Extension Kit.

Code: 25-0650

Product Group: Guelph Permeameter, Guelph Permeameter

- Lightweight and portable
- Robust construction
- Requires only 2.5 litres of water
- Results usually within 2 hours

The Guelph Permeameter is used to obtain accurate measurements of hydraulic conductivity, soil sorptivity and soil matrix flux potential. These three factors govern how liquids will move through an unsaturated soil profile.

Recent significant advances in both the theoretical and practical techniques of measuring soil hydraulic conductivity have been made by the University of Guelph, Canada. This has resulted in the development of the Guelph Permeameter, utilising the Constant Head Well principle.

Standards

ASTM D5126

Further Information

Guelph Permeameter Set Includes:-

- 1 Field Tripod
- 1 Well Auger
- 1 Well Tripod
- 1 Preparation Tool
- 1 Hand Pump
- 1 Extension Kit (extends depth by 800 mm)
- 1 Collapsible Water Container
- 1 Set of Instructions and Carrying Case

Specification

Cell	Plated seamless tube 100 mm diameter x 130 mm height
Capacity	3.18 Litres
Base	Porous plate with three tie rods
Top plate	Machined to accept smaller tubes
Net Weight	13.6 kg
Overall Weight	111 kg
Permeameter	High impact polycarbonate, molded elastomers.

Product Sheet

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Auger	2" (50.8 mm) diam.; machined steel.
Carrying Case	Die-cut foam for parts storage.
Test Time	1/2 – 2 hours.
Test Depth	15 to 75 cm (0.5 to 2.5 ft).
Hydraulic Conductivity Range	10-4 to 10-8 m/sec (10-2 to 10-6 cm/sec).
Weight	Net 30 lbs. (13 .6 kg).

Accessories



Permeameter Extension Kit

Code: [25-0655](#)



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.

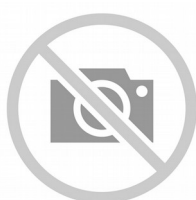
Readings are usually taken after a set number of blows, changing the number according to the strength of the layer being penetrated. For good granular bases, readings every five to ten blows are satisfactory, but for weaker sub-base layers and subgrades, readings every one to two blows may be appropriate.

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](#)



Plate Bearing Apparatus Complete. 500kN Capacity

Code: 29-3800

Product Group: In-situ Testing, Plate Bearing Apparatus

Applications include the determination of bearing capacity of the soil in situ, designing for static loads on spread footings, and repetitive and non-repetitive plate loading tests of soils and flexible pavements.

Manufactured from machined steel plate with a finished thickness exceeding 25 mm. The plate has concentric markings on one face. All plates are supplied with two lifting eyes except for the 150 mm dia plate.

NOTE: to successfully perform the test, a reaction load is required.

IMPORTANT: The equipment is used in conjunction with a reaction beam. This is not supplied with the equipment.

Standards

BS 1377, EN 1997-3, ASTM D1194, ASTM D1195, ASTM D1196

Further Information

Comprising of:

- Hydraulic Jack 500 kN capacity
- Pressure system
- Datum bar
- 4x dial gauges 50 mm travel x 0.01 mm divisions
- 4x bearing plates: 150 mm, 305 mm, 455 mm and 760 mm diameter

Specification

Loading jack	500 kN capacity with integral ball seating
Pump	Hand operated, single speed with integral oil reservoir
Hose	3 m long. Maximum pressure 70 MPa with quick release couplings
Gauge	100 mm dia with quick release couplings and graphs to convert readings to kN, kgf and

Product Sheet

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Weights

lbf
Loading jack 24 kg.
Pressure system 12.5 kg



Pocket Penetrometer.

Code: [29-3729](#)

Product Group: [In-situ Testing](#), [Pocket Penetrometer](#), [Plate Bearing Apparatus](#)

- Direct-reading scale in tons/sq. ft. and kg/sq. cm.
- Ground and polished stainless steel loading piston.
- Calibrated spring and penetrometer body plated for rust resistance and long life.
- Convenient belt-loop style carrying case.
- Optional Adapter Foot for testing very soft materials.

The Pocket Penetrometer was originally developed for use by field personnel in checking visual classification of soils. Data was compiled on several thousand unconfined compressive strength tests of silty clays and clayey soils against the penetrometer readings to develop the scale.

Further Information

IMPORTANT: the readings obtained from the pocket penetrometer do not replace laboratory test results due to the fact that a small area penetration test is inherently liable to give misleading results. The instrument should not be used for obtaining foundation design data.

Specification

Range	0.25 to 4.5 tons/sq. ft. (kg/sq. cm).
Scale Divisions	0.25 tons/sq. ft. (kg/sq. cm).
Load Piston	1/4" (6 mm) diam.; stainless steel.
Carrying Case	Canvas; belt-loop style.
Dimensions	3/4" diam. x 6-3/8" l. (19 x 162 mm).
Weight	Net 7 oz. (198 g).

Accessories



Adaptor Foot

Code: [29-3729/10](#)

Alternatives



C.O.E Cone Penetrometer

Code: [29-3741](#)



Proctor & Mortar Penetrometer Set

Code: [29-3935](#)



Proving Ring Penetrometer

Code: [29-3739](#)



Proctor Penetrometer Spring Type with Adaptor Stem.

Code: [29-3925](#)

Product Group: [Proctor Penetrometer, Setting Time by Penetration Resistance](#)

Supplied complete with set of needles, 29-3929

Standards

ASTM D1558

Further Information

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

Accessories



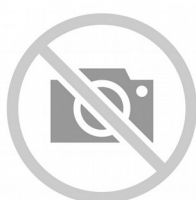
Case for Proctor Penetrometer.

Code: [29-3933](#)



Set of Needle Points 1 1/2 1/4 1/10 1/20 1/40 Inch Sq.

Code: [34-0810](#)



Syringe with Rubber Bulb.

Code: [82-2820](#)



100mm Sand Pouring Cylinder.

Code: [29-4000](#)

Product Group: [Sand Replacement](#)

Standards

BS 1377, BS 1924



150mm Sand Pouring Cylinder.

Code: [29-4100](#)

Product Group: [Sand Replacement](#)

Standards

BS 1377, BS 1924



200mm Sand Pouring Cylinder.

Code: [29-4200](#)

Product Group: [Sand Replacement](#)

Standards

BS 1377, BS 1924



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



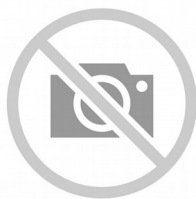
5 Litre Plastic Container for Sand Cone

Code: [29-4320](#)



Density Plate for EL29-4300.

Code: [29-4340](#)



Standard Sand - 600/300 µm

Code: [82-7401](#)



Standard Sand - 600/300 μm

Code: [82-7401](#)

Product Group: [Sand Cone 6"](#), [Chemicals](#), [Test and Reference Materials](#)

Fraction C. No hazard. 20 kg.

Further Information

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

Accessories



Density Plate for EL29-4300.

Code: [29-4340](#)

Alternatives



Density Plate for EL29-4300.

Code: [29-4340](#)



Core Cutter 100mm Id By 130mm Long.

Code: [29-5300](#)

Product Group: [Core Cutter Apparatus](#)

Standards
BS 1377

Accessories



Driving Dolly for EL 29-5300

Code: [29-5320](#)



Driving Rammer for EL 29-5320

Code: [29-5340](#)



Density Spoon.

Code: [29-5000](#)

Product Group: [Field density tools](#)

For removing soil from the hole



Soft Headed Mallet.

Code: [29-5020](#)

Product Group: [Field density tools](#)



Density Chisel.

Code: [29-5060](#)

Product Group: [Field density tools](#)

With hardened tip



Metal Dibber Tool

Code: [29-5080](#)

Product Group: [Field density tools](#)

For excavating hole



Density Hand Pick.

Code: [29-5120](#)

Product Group: [Field density tools](#)

For excavating in difficult ground



Steel Pointed Rod.

Code: [29-5140](#)

Product Group: [Field density tools](#)

With wooden handle