



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

This wishlist was generated on 19/03/2019, and contains the following Products:

24-0434

**Liquid Limit Device ASTM/ Aashto Hand-Operated W/ Revolution Counter.
Supplied Less Grooving Tool.**

24-9010

Straight Edge 300mm.

24-9063

ASTM Compaction Rammer 2.5Kg.

25-0402

**Consolidation Frame One Dimensional Consolidation Incremental Loading
Device.**

25-0408

Set of Weights 100Kg Total Weight.

25-0429

Floor Mounting Stand.

25-0445

Vertical Dial Indicator, English

26-2114/02

**Digital Direct/Residual Shear Apparatus Complete with Lever Loading
Assembly. 110-120V 50/60Hz 1Ph.**

78-0260

Clamped Boss Load Ring - 4.5 kN

79-5020

8in Dia ASTM Sieve 4.75mm Stainless Steel Mesh.

79-5060

8in Dia ASTM Sieve 2.36mm Stainless Steel Mesh.

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8in Dia ASTM Sieve 850 Mic Stainless Steel Mesh.

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8in Dia ASTM Sieve 425 Mic Stainless Steel Mesh.

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8in Dia ASTM Sieve 250 Mic Stainless Steel Mesh.

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8in Dia ASTM Sieve 150 Mic Stainless Steel Mesh.

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8in Dia ASTM Sieve 75 Mic Stainless Steel Mesh.

88-4070

Mechanical Dial Indicator - 0.4" Range

88-4100

Dial Indicator - 1.0" Range

SP25-0623

Combination Permeameter, 2.5" (63.4 mm)



Liquid Limit Device ASTM/ Aashto Hand-Operated W/ Revolution Counter. Supplied Less Grooving Tool.

Code: [24-0434](#)

Product Group: [Casagrande Method](#)

Complete with revolution counter. Supplied less grooving tool.

Standards

ASTM D4318, AASHTO T89



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)



Consolidation Frame One Dimensional Consolidation Incremental Loading Device.

Code: 25-0402

Product Group: Consolidation Apparatus, Table Top Consolidation Apparatus

- High capacity - 8800 kPa on 50 mm diameter specimens using 11:1 beam ratio
- Triple beam ratio, 9:1, 10:1, 11:1
- Compact unit ensures maximum space saving

The ELE Oedometer is rigidly constructed to ensure minimum frame distortion. The frame is designed to load the specimen through a yoke assembly and one of three alternative beam ratios. The beam is fitted with a counterbalance weight and beam support jack. The cell platform will accept the complete range of ELE consolidation cells and is fitted with a central spigot to ensure accurate centring of the cell under the loading yoke. Dimensions without hanger 711 x 203 x 508 mm (l x w x h). Weight 24 kg.

Standards

ASTM D2435, ASTM D4546, AASHTO T216, ASTM D3877, BS 1377-5

Further Information

Supplied without dial gauge and weights.

Specification

Load Capacity	48 tons/sq. ft. (5,14 8 kPa) on 2.5" (63 mm) diam. samples.
Loading Beam	Cast aluminum; counterbalanced; 9:1,10:1 and 11 :1 ratios.
Frame	Cast aluminum; integral beam support jack; plated steel and platform.
Dimensions	203 x 711 x 508 mm, (8" w. x 28" d. x 20" h) . excluding weight hanger.
Weight	24 KG



Set of Weights 100Kg Total Weight.

Code: [25-0408](#)

Product Group: [Consolidation Apparatus](#)

9 x 10 kg, 1 x 5 kg, 2 x 2 kg, 1 x 1 kg.

Standards

ASTM D2435, ASTM D4546, AASHTO T216, ASTM D3877, BS 1377-5



Floor Mounting Stand.

Code: [25-0429](#)

Product Group: [Consolidation Apparatus, Table Top Consolidation Apparatus](#)

A versatile modular steel stand. Holes in the shelf are provided for securing up to three EL25-0402 Consolidation Frames. Dimensions 610 x 915 x 865 mm (l x w x h).

Standards

ASTM D2435, ASTM D4546, AASHTO T216, ASTM D3877, BS 1377-5



Vertical Dial Indicator, English

Code: [25-0445](#)

Product Group: [Direct/Residual Shear Apparatus](#)

0.5" range x 0.0001" graduations.



Digital Direct/Residual Shear Apparatus Complete with Lever Loading Assembly. 110-120V 50/60Hz 1Ph.

Code: 26-2114/02

Product Group: Direct/Residual Shear Apparatus,
Direct/Residual Shear Apparatus

- Microprocessor control
- Large on-board LCD screen display
- Direct entry via touch sensitive keyboard
- Rapid approach and return to start datum
- Fully variable speed, 0.00001 to 9.99999 mm/minute
- Accepts specimens up to 100 mm square

The ELE Direct Shear Apparatus accepts specimens 60 mm, 100 mm square or 2.5 inches in diameter. The use of a microprocessor controlled drive system and keyboard entry gives the apparatus a wide range of features that include pause and speed reset during test, RS 232C interface, operator programming of speed and control functions, self test diagnostics and many other features. A return to start datum provides a positive means of reversing the shearbox when either preparing for a new test or continuing with residual testing procedures.

Safety forward/reverse travel limit switches are fitted as standard and monitored through the electronics system control.

The electronics are housed in a modern moulded shroud, which includes a large LCD display and keyboard entry. The apparatus is enclosed in a robustly constructed case, has been designed for floor mounting and is supplied complete with carriage, loading hanger and 10:1 lever loading device

Standards

ASTM D3080, AASHTO T236

Further Information

for 110 - 120 V AC, 50 - 60 Hz, 1 ph.

Specification

Sample Size

Accepts either 2.42", 2.5" diam.; 60 mm square samples using accessory shear box assemblies, not included.

Speed Range

Variable in either English or Metric units between

Product Sheet

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Shear Force	0.000001" (0.00001 mm) to 0.399999" (9.99999 mm) per minute.
Vertical Load	1,100lbf. (5.0 kN) maximum. 2,200 lbf. (10.0 kN) using 10:1 lever ratio.
Dimensions	44.7" l. x 12 .6" w. x 49.6" h. (1,135 x 320 x 1,260 mm).
Amps	1.6
Watts	26
Weight	Net 181 lbs. (82 kg).



Clamped Boss Load Ring - 4.5 kN

Code: 78-0260

Product Group: Clamped Boss Load Rings, Digital
Tritest 50 Load Frame, Load Measurement, Load
Measurement, Proving Rings, Load Measurement,
Direct/Residual Shear Apparatus

Specification

Capacity: kN, kgf, lbf	4.5, 450, 1000
Typical Design sensitivity: N/div, kgf/div, lbf/div	3.0, 0.30, 0.66
Overall height mm	248
Approx weight kg	3.5
Capacity - lbf	1,000
Capacity - kN	4.5
Capacity - kgf	450
Typical Design Sensitivity - lbf/div	0.66
Typical Design Sensitivity - kN/div	3
Typical Design Sensitivity - Kgf/div	0.3
Overall Height	9.76" (248 mm)
Approx Weight	7.7 lbs.(3.5 kg)



8in Dia ASTM Sieve 4.75mm Stainless Steel Mesh.

Code: 79-5020

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

Standards

ASTM E11

Specification

Frames	Full height; 2 1/4" (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	No. 4
Sieve Opening Standard	4.75 mm
Sieve Opening Alternative (in.)	0.187



8in Dia ASTM Sieve 2.36mm Stainless Steel Mesh.

Code: 79-5060

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

Standards

ASTM E11

Specification

Frames	Full height; 2 1/4" (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	No. 7
Sieve Opening Standard	2.36 mm
Sieve Opening Alternative (in.)	0.0937



8in Dia ASTM Sieve 850 Mic Stainless Steel Mesh.

Code: 79-5120

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

Standards

ASTM E11

Specification

Frames	Full height; 2 1/4" (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	No. 20
Sieve Opening Standard	850 um
Sieve Opening Alternative (in.)	0.331



8in Dia ASTM Sieve 425 Mic Stainless Steel Mesh.

Code: 79-5160

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

Standards

ASTM E11

Specification

Frames	Full height; 2 1/4" (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	No. 40
Sieve Opening Standard	425 um
Sieve Opening Alternative (in.)	0.0165



8in Dia ASTM Sieve 250 Mic Stainless Steel Mesh.

Code: 79-5190

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

Standards

ASTM E11

Specification

Frames	Full height; 2 1/4" (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	No. 60
Sieve Opening Standard	250 um
Sieve Opening Alternative (in.)	0.0098



8in Dia ASTM Sieve 150 Mic Stainless Steel Mesh.

Code: 79-5220

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

Standards

ASTM E11

Specification

Frames	Full height; 2 1/4" (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	No. 100
Sieve Opening Standard	150 um
Sieve Opening Alternative (in.)	0.0059



8in Dia ASTM Sieve 75 Mic Stainless Steel Mesh.

Code: 79-5260

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

Standards

ASTM E11

Specification

Frames	Full height; 2 1/4" (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	No. 200
Sieve Opening Standard	75 um
Sieve Opening Alternative (in.)	0.0029



Mechanical Dial Indicator - 0.4" Range

Code: 88-4070

Product Group: Mechanical Dial Indicators,
Pneumatic Consolidation Apparatus, Table Top
Consolidation Apparatus

Specification

Range	0.4"
Divisions	0.0001"
Movement	Counter-clockwise
Face Diameter	3-5/8"
Contact Point	Immediate response, up or down; tip movement magnified to indicator hand with minimal friction; 3/16" (5 mm) radius x 1/4" (6 mm) l.
Dials	With continuous graduations and revolution counters.
Measure Movement	Measure movement away from dial case; pointer at zero with stem retracted.
Weight	Net 12 oz. (340 g).



Dial Indicator - 1.0" Range

Code: 88-4100

Product Group: Digital Tritest 50 Load Frame, Hveem Stabilometer, CBR-Test 50 Machine, CBR Loading Press, Hand-Operated, Tripod Attachment, Mechanical Dial Indicators, Direct/Residual Shear Apparatus

1.0" x 0.001" divisions.

Specification

Range	1.0"
Divisions	0.001"
Movement	Clockwise
Face Diameter	2-1/4"
Contact Point	Immediate response, up or down; tip movement magnified to indicator hand with minimal friction; 3/16" (5 mm) radius x 1/4" (6 mm) l.
Dials	With continuous graduations and revolution counters.
Measure Movement	Measure movement towards dial case; pointer at zero with stem extended.
Weight	Net 12 oz. (340 g).



Combination Permeameter, 2.5" (63.4 mm)

Code: [SP25-0623](#)

Product Group: [Combination Permeameter](#)

- 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).