



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

This wishlist was generated on 20/06/2017, and contains the following Products:

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36-3320/01

**ADR Touch 3000 BS EN Compression Machine with Digital Readout and Self Centring Platens.**

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37-5170

**EN 12390-3/4 Distance Piece - 80 mm Depth**

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37-5180

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

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25-0440

**Dial Gauge 10mm Travel X 0.002mm Divisions.**

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26-2114/01

**Digital Direct/Residual Shear Apparatus Complete with Lever Loading Assembly. 220-240V 50/60Hz 1Ph.**

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26-2132

**Set of Weights 50 kg Slotted.**

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26-2197

**Shear Box Assembly 100mm Sq.**

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26-2201

**Specimen Cutter 100mmsq.**

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26-2205

**Specimen Extrusion Tool 100 mm sq**

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78-0160

**Clamped Boss Load Ring - 3.0 kN**

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83-5456

**Dial Gauge**

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26-2197/10

**Porous Plate 100mm Sq.**

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25-3518/01

**Digital Tritest 50 Load Frame**

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25-4157

**100mm Triaxial Cell 1700Kpa with 5 Pressure/ Drainage Ports. Supplied with Two Valves.**

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25-4047

**50mm Triaxial Cell 1700Kpa with 5 Pressure/ Drainage Ports. Supplied with Two Valves.**

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25-4186

**100 mm Base Adaptor for 100 mm Triaxial Cell.**

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25-4168

**50mm Base Adapter for 50mm Cells.**

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25-4210

**Dial Gauge 25mm Travel X 0.01mm Divisions**

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25-7590

**Pressure Pad 100mm Diameter.**

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25-5430

**Pressure Pad 50mm Diameter.**

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25-7610

**Membrane Placing Tool 100mm/4 Inch Diameter.**

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25-5470

**Membrane Placing Tool 50mm Diameter.**

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25-7621

**Rubber Membrane 100mm/4 Inch Diameter. Pack of 10**

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25-5441

**Rubber Membrane 50mm Diameter Pack of 10.**

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25-7631

**Membrane Sealing Ring 100mm Diameter. Pack of 10.**

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25-5461

**Membrane Sealing Ring 50mm Diameter Pack of 10.**

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25-7640

**Suction Membrane Device 100mm/4 Inch Diameter.**

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25-5480

## Suction Membrane Device 50mm Diameter.

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25-7650

## Two-Way Split Former 100mm Diameter.

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25-5500

## Two-Way Split Former 50mm Diameter.

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26-1800/01

## Pressure Test 1700 Oil/Water Constant Pressure System 0 to 1700kPa 220-240V 50/60Hz 1Ph.

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26-1820

## Digital Pressure Gauge 1700 kPa for Use with 26-1800 Series Oil/Water Constant Pressure System.

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26-1926

## Nylon Tubing 6mm Od 3500Kpa.

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78-0260

## Clamped Boss Load Ring - 4.5 kN

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27-1620

## Digital Pressure Gauge 1700Kpa. for Ele Triaxial Cells.

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26-1928

## 6mm Elbow Connector.

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25-0580

## Constant Head Permeability Cell 75mm Diameter Specimen.

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25-0591

## Manometer Tubes & Stand.

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25-0593

## Constant Level Tank.

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42-4580

## Tamping Rod 8mm Dia X 300mm.

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81-0200

## Aluminium Scoop Small

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82-0380

## Measuring Cylinder - Glass 100 ml

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82-0460

## Measuring Cylinder - Glass 500 ml

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82-1060

## Volumetric Flask - 1000 ml

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82-2660

## Funnel

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25-0402

## Consolidation Frame One Dimensional Consolidation Incremental Loading Device.

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25-0408

## Set of Weights 100Kg Total Weight.

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25-0503

## Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

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25-0509

## Calibration Disc 75mm Cell

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27-1300/01

## DSU Electronic Readout and Control System 220 - 240 V AC 50/60 Hz

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## ADR Touch 3000 BS EN Compression Machine with Digital Readout and Self Centring Platens.

Code: [36-3320/01](#)

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.

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## 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	3000 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	310 mm
Platen Sizes	Lower 220mm sq, Upper 300mm dia
Max Ram Travel	50 mm

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## Accessories



## 100kN Flexural Fitting Kit (ADR) Used for Connecting Flexural Frames to ADR Compression Machines.

Code: [37-6138](#)



## 3000 kN Load Calibration Device Complete with Hand Held Readout Unit

Code: [37-8400](#)



## ADR Touch Head for Compression machines

Code: [37-4950/09](#)



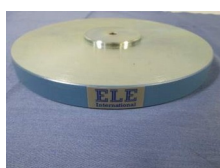
## BS/EN Standard Rectangular Platen

Code: [37-4860](#)



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

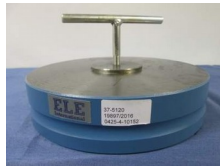
Code: [37-5180](#)



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

Code: [37-5110](#)

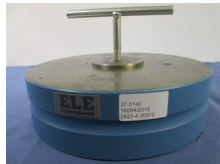




## EN 12390-3/4 Distance Piece - 50 mm Depth

Code: [37-5120](#)

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

Code: [37-5140](#)

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

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

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## Spares/Consumables



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

Code: [6014A0062](#)



## EN 12390-3/4 Distance Piece - 80 mm Depth

Code: [37-5170](#)

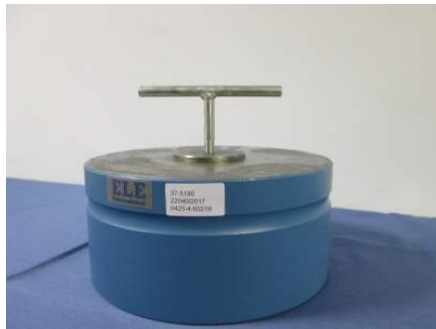
Product Group: [Distance Pieces](#)

### Standards

EN 12390-3, BS 1881-115

### Further Information

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



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

Code: [37-5180](#)

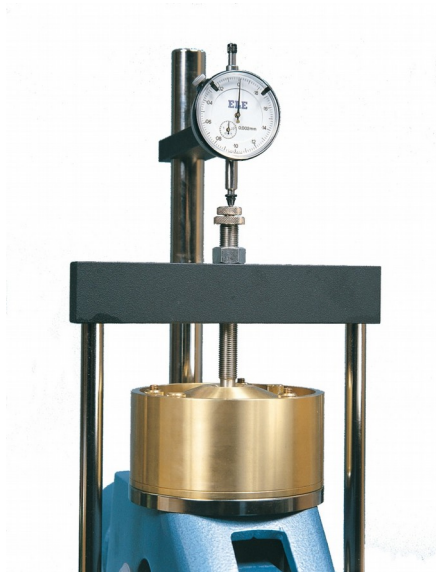
Product Group: [Distance Pieces](#)

### Standards

BS 1881-115, EN 12390-3

### Further Information

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



## Dial Gauge 10mm Travel X 0.002mm Divisions.

Code: [25-0440](#)

Product Group: [Direct/Residual Shear Apparatus](#),  
[Measurement of Horizontal and Vertical Movement](#),  
[Vertical settlement measurement](#)

## Spares/Consumables



## Electronic Digital Indicator, 0.600"/15 mm range

Code: [88-4210](#)



## Vertical Dial Indicator, English

Code: [25-0445](#)



## Digital Direct/Residual Shear Apparatus Complete with Lever Loading Assembly. 220-240V 50/60Hz 1Ph.

Code: 26-2114/01

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, BS 1377, EN 1997-2

## Further Information

for 220 - 240 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

Shear Force  
Vertical Load

Dimensions

Weight

between 0.000001"  
(0.00001 mm) to 0.399999"  
(9.99999  
mm) per minute.  
1,100 lbf. (5.0 kN) maximum.  
2,200 lbf. (10.0 kN) using 10:1  
lever ratio.  
44.7" l. x 12 .6" w. x 49.6" h.  
(1,135 x 320 x 1,260 mm).  
Net 181 lbs. (82 kg).

## Accessories



### Clamped Boss Load Ring - 2.0 kN

Code: 78-0060



### Clamped Boss Load Ring - 3.0 kN

Code: 78-0160



### Clamped Boss Load Ring - 4.5 kN

Code: 78-0260



### Dial Gauge 10mm Travel X 0.002mm Divisions.

Code: 25-0440





## Digital Proving Ring, 1,000 lbs (4.5 kN)

Code: [78-0264](#)



## Digital Proving Ring, 450 lbs (2.0 kN)

Code: [78-0064](#)



## Horizontal Displacement Transducer Assembly 15mm Travel 5 Pin Din Plug Mounting Pillar

Code: [27-1697](#)



## Mechanical Dial Indicator - 25 mm Range Clockwise Movement

Code: [88-4110](#)



## S-Type Load Cell 5 kN.for Triaxial Tests. Fitted with 5 Pin Din Plug.

Code: [27-1551](#)



## Set of Weights 50 kg Slotted.

Code: [26-2132](#)



## Shear Box Assembly 100mm Sq.

Code: [26-2197](#)



## Shear Box Assembly 2.5 Inch Diameter

Code: [26-2213](#)



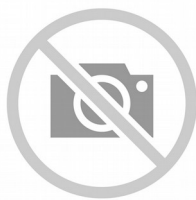
## Shear Box Assembly 60mm Sq.

Code: [26-2181](#)



## Vertical Displacement Transducer Assembly 15mm Travel with 5 Pin Din Plug Bracket for Shear Box

Code: [27-1689](#)



## Weight Set A

Code: [25-0535](#)



## Weight Set B

Code: [25-0537](#)

## Spares/Consumables



## Dial Indicator - 1.0" Range

Code: [88-4100](#)



## Electronic Digital Indicator, 0.600"/15 mm range

Code: [88-4210](#)



## Vertical Dial Indicator, English

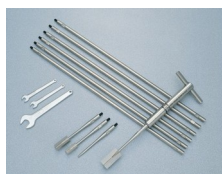
Code: [25-0445](#)

## Alternatives



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

Code: [26-2114/02](#)



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

Code: [26-3335](#)



## Hand Vane Tester

Code: [26-3346](#)



## Laboratory Vane Apparatus with 4 Springs and 12.7mm Vane; Hand Operated.

Code: [26-2270](#)



## Pocket Shearmeter with 3 Vanes 0 to 1Kgf/Cm2 X 0.5Kgf/Cm2.

Code: [26-2261](#)



## Set of Weights 50 kg Slotted.

Code: [26-2132](#)

Product Group: [Application of Normal Stress](#)

Normal stress is applied to the specimen through the lever loading device and the appropriate slotted weights

## Accessories



### Slotted Surcharge Weight 0.25 kg

Code: [26-2147](#)



### Slotted Surcharge Weight 0.5 kg.

Code: [26-2145](#)



### Slotted Surcharge Weight 1 kg.

Code: [26-2143](#)



## Slotted Surcharge Weight 10 kg.

Code: [26-2137](#)



## Slotted Surcharge Weight 2 kg.

Code: [26-2141](#)



## Slotted Surcharge Weight 5 kg.

Code: [26-2139](#)

### Alternatives



## Slotted Surcharge Weight 0.25 kg

Code: [26-2147](#)



## Slotted Surcharge Weight 0.5 kg.

Code: [26-2145](#)





## Slotted Surcharge Weight 1 kg.

Code: [26-2143](#)



## Slotted Surcharge Weight 10 kg.

Code: [26-2137](#)



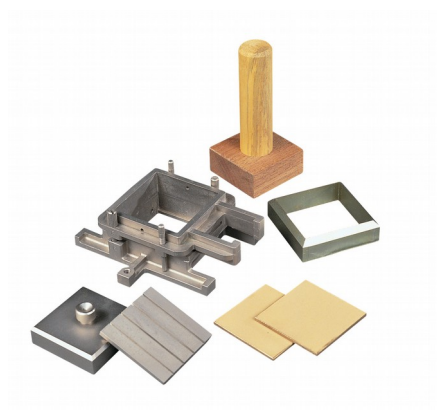
## Slotted Surcharge Weight 2 kg.

Code: [26-2141](#)



## Slotted Surcharge Weight 5 kg.

Code: [26-2139](#)



## Shear Box Assembly 100mm Sq.

Code: [26-2197](#)

Product Group: [Shear Box Assemblies](#), [Shear Box Assemblies](#)

- Manufactured from corrosion resistant materials
- Sample size 100 x 100mm x 25mm high meeting BS 1377
- Incorporates PTFE faced box separation screws to reduce friction
- Supplied complete with upper and lower porous plates and loading pad
- Suitable for quick undrained or drained/residual tests.

## Standards

ASTM D3080, AASHTO T236

## Further Information

All shearbox assemblies are designed to fit the carriage of 26-2114 series Digital Direct/Residual Shear Apparatus. They are supplied complete with three porous plates, one retaining plate and a loading pad. The three sizes supplied comply with the relevant requirements of BS 1377 and ASTM D3080. All assemblies can be used for quick shear tests or drained/residual shear tests.

Optional accessories are available including specimen cutters and extrusion tools.

## Specification

Specimen area	100 x 100 mm
Specimen thickness	25 mm
Weight kg	5.2
Relevant standard	BS 1377

## Accessories



## Shear Box Assembly 60mm Sq.

Code: [26-2181](#)

## Spares/Consumables



## Specimen Cutter 100mmsq.

Code: 26-2201

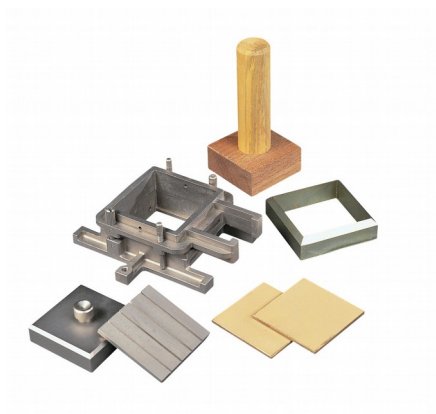
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### Alternatives



## Shear Box Assembly 60mm Sq.

Code: 26-2181



## Specimen Cutter 100mmsq.

Code: [26-2201](#)

Product Group: [Shearbox Assemblies- Accessories and Spares](#)

## Standards

ASTM D3080, AASHTO T236

## Accessories



## Shear Box Assembly 100mm Sq.

Code: [26-2197](#)

## Spares/Consumables



## Specimen Cutter 2.5 Inch Diameter.

Code: [26-2217](#)



## Specimen Cutter 60mm Sq.

Code: [26-2185](#)

## Alternatives



## Specimen Cutter 2.5 Inch Diameter.

Code: 26-2217



## Specimen Cutter 60mm Sq.

Code: 26-2185



## Specimen Extrusion Tool 100 mm sq

Code: [26-2205](#)

Product Group: [Shearbox Assemblies- Accessories and Spares](#)

### Standards

ASTM D3080, AASHTO T236





## Clamped Boss Load Ring - 3.0 kN

Code: 78-0160

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

## Standards

BS 1377, ASTM D3080

## Specification

Capacity: kN, kgf, lbf	3.0, 300, 650
Typical Design sensitivity: N/div, kgf/div, lbf/div	2.0, 0.20, 0.43
Overall height mm	248
Approx weight kg	3.3
Capacity - lbf	1,000
Capacity - kN	3
Capacity - kgf	300
Typical Design Sensitivity - lbf/div	0.43
Typical Design Sensitivity - kN/div	2
Typical Design Sensitivity - Kgf/div	0.2
Overall Height	9.76" (248 mm)
Approx Weight	7.3 lbs.(3.3 kg)

## Accessories



## 50kN Clamped Boss Load Ring

Code: 78-0860



## 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](#)



## Clamped Boss Load Ring - 4.5 kN

Code: [78-0260](#)

## Spares/Consumables



## Spare Dial Indicator for Load Rings

Code: [78-5461](#)

## Alternatives



## 50kN Clamped Boss Load Ring

Code: [78-0860](#)



## 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](#)



## Clamped Boss Load Ring - 4.5 kN

Code: [78-0260](#)



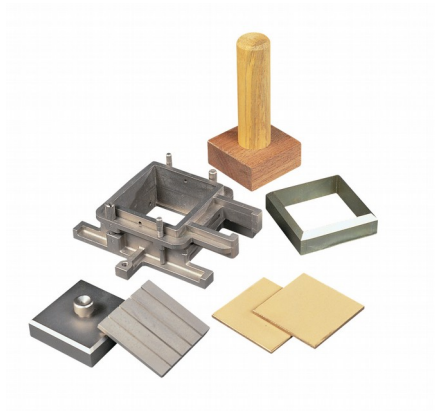
## Dial Gauge

Code: [83-5456](#)

Product Group: [Dial Gauges, Measurement of Horizontal and Vertical Movement](#)

## Specification

Diameter mm	57
Travel mm	10
Grad. Mm	0.01
Scale	RH
Anvil	Ball
Back type	A



## Porous Plate 100mm Sq.

Code: [26-2197/10](#)

Product Group: [Shearbox Assemblies- Accessories and Spares](#)

## Standards

ASTM D3080, AASHTO T236



## Digital Tritest 50 Load Frame

Code: [25-3518/01](#)

Product Group: [Digital Tritest 50 Load Frame](#), [CBR Load Frames](#), [Triaxial Load Frames](#)

- Microprocessor control
- Large on-board LED screen display
- Direct entry via a touch sensitive keyboard
- Rapid approach and return to datum of platen
- Fully variable speed, 0.00001 to 9.99999 mm/min
- Samples up to 100 mm diameter

This 50 kN capacity machine, designed primarily for triaxial testing of soil specimens up to 100 mm diameter x 200 mm long, comprises a rigid twin column construction with an integral fully variable microprocessor controlled drive unit and LCD display with a touch sensitive keyboard. The machine is normally bench mounted for ease of installation and operation.

The use of a microprocessor controlled drive system and keyboard entry provides the Digital Tritest 50 with a wide variety of features which include pause and speed reset during test, RS 232C, operator programming of speed and control functions, self test diagnostics and many other features.

A robustly constructed steel case houses the motor drive system with careful attention being given to the prevention of ingress of water or grit. All operating controls are mounted on the front panel of the machine, which is angled and recessed to prevent physical and environmental damage.

## Standards

BS 1377-7, BS 1377-8, BS 1924-2, ASTM D1883, ASTM D2166, ASTM D2850, ASTM D4767, ASTM D7181, AASHTO T99, AASHTO T134, AASHTO T135, AASHTO T136, AASHTO T180, AASHTO T193, AASHTO T208, AASHTO T296, AASHTO T297

## Further Information

Complete with RS 232C interface.

## Specification

Capacity	50kN (11,200 lbf).
Speed Range	English mode: 0.000001 to 0.399999 in/min. Metric mode: 0.00001 to 9.99999 mm/min.
Rapid Approach Speed	1.0 in/min. (25 mm/min.).



# Product Sheet

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Platen Travel	100mm (3.9"); limit switch protection.
Platen Diameter	133 mm (5.2")
Vertical Clearance	910 mm, (36 .8") maximum; 305mm, (12") minimum.
Horizontal Clearance	364mm, (15 .3").
Serial Interface	RS232C; programmable baud rate and protocol.
Overall Dimensions	500 x 500 x 1,470 mm, (19.7" w. x 19.7" d. x 57.8" h).
Weight	Net 100kg (220 lbs); Shpg. 136kg (300 lbs).

## Accessories



### 50kN Clamped Boss Load Ring

Code: [78-0860](#)



### Adaptor kit, to perform CBR on the Tritest 50 load frame

Code: [25-3518/10](#)



### Clamped Boss Load Ring - 10.0 kN

Code: [78-0460](#)



### Clamped Boss Load Ring - 28.0 kN

Code: [78-0760](#)



## Clamped Boss Load Ring - 3.0 kN

Code: [78-0160](#)



## Clamped Boss Load Ring - 4.5 kN

Code: [78-0260](#)

## Alternatives



## MultiPlex 50 Load Frame

Code: [25-3700/01](#)



## Versa-Loader

Code: [25-3525/02](#)



## 100mm Triaxial Cell 1700Kpa with 5 Pressure/ Drainage Ports. Supplied with Two Valves.

Code: 25-4157

Product Group: Triaxial Cell, Triaxial Cells

- Working pressure up to 1700 kPa
- All round visibility
- Sample sizes 38 to 100 mm diameter
- Rapid assembly and dismantling
- Accepts a range of interchangeable submersible load transducers

This range of precision made triaxial cells has been designed to meet the requirements of the modern soils laboratory. The cells have been treated to minimise corrosion. Particular attention has been paid to the quality of finish between the piston and the head. Final assembly includes the fitting of an O-ring seal and the use of special lubricant to reduce friction to a minimum and eliminate water leakage.

The piston load capacity is designed to accept high horizontal forces which may be present during the final stages of a test. Each cell has five take-off positions drilled in the base for top drainage/back pressure, pore water pressure and bottom drainage. Two no-volume change valves and an anvil for strain gauge/transducer datum are supplied for fitting to the cell.

A feature of these cells is that they all accept a single diameter piston. The internal height is such that a range of submersible load transducers can be fitted without any modification. Each cell will accept a range of base adaptors and various accessories for testing a wide range of specimens

## Standards

BS 1377, ASTM D2850, ASTM D4767, AASHTO T296, AASHTO T297

## Accessories



### 100 mm Base Adaptor for 100 mm Triaxial Cell.

Code: 25-4186



## Pressure Interface Chamber

Code: [25-0695](#)

## Alternatives



## 50mm Triaxial Cell 1700Kpa with 5 Pressure/ Drainage Ports. Supplied with Two Valves.

Code: [25-4047](#)



## 70mm Triaxial Cell 1700Kpa with 5 Pressure/ Drainage Ports. Supplied with Two Valves.

Code: [25-4117](#)



## 50mm Triaxial Cell 1700Kpa with 5 Pressure/ Drainage Ports. Supplied with Two Valves.

Code: 25-4047

Product Group: [Triaxial Cell](#), [Triaxial Cells](#)

- Working pressure up to 1700 kPa
- All round visibility
- Sample sizes 38 to 100 mm diameter
- Rapid assembly and dismantling
- Accepts a range of interchangeable submersible load transducers

This range of precision made triaxial cells has been designed to meet the requirements of the modern soils laboratory. The cells have been treated to minimise corrosion. Particular attention has been paid to the quality of finish between the piston and the head. Final assembly includes the fitting of an O-ring seal and the use of special lubricant to reduce friction to a minimum and eliminate water leakage.

The piston load capacity is designed to accept high horizontal forces which may be present during the final stages of a test. Each cell has five take-off positions drilled in the base for top drainage/back pressure, pore water pressure and bottom drainage. Two no-volume change valves and an anvil for strain gauge/transducer datum are supplied for fitting to the cell.

A feature of these cells is that they all accept a single diameter piston. The internal height is such that a range of submersible load transducers can be fitted without any modification. Each cell will accept a range of base adaptors and various accessories for testing a wide range of specimens

## Standards

BS 1377, ASTM D2850, ASTM D4767, AASHTO T296, AASHTO T297

## Specification

Cell size	50 mm
Max specimen size	50 x 100 mm
Working pressure	1700 kPa
Max piston load	45 kN
Vertical clearance required	380 mm
Horizontal clearance required	155 mm
Weight kg	4

## Accessories



### 38mm/1.5 Inch Base Adaptor for 50mm Cells.

Code: [25-4166](#)



### 50mm Base Adapter for 50mm Cells.

Code: [25-4168](#)



### Pressure Interface Chamber

Code: [25-0695](#)

## Alternatives



### 100mm Triaxial Cell 1700Kpa with 5 Pressure/ Drainage Ports. Supplied with Two Valves.

Code: [25-4157](#)



### 70mm Triaxial Cell 1700Kpa with 5 Pressure/ Drainage Ports. Supplied with Two Valves.

Code: [25-4117](#)



## 100 mm Base Adaptor for 100 mm Triaxial Cell.

Code: [25-4186](#)

Product Group: [Base Pedestals, Specimen Base Adaptors](#)

100 mm Base Adaptor with Twin Pore Pressure Ports for 100 mm Triaxial Cell.

## Standards

BS 1377, ASTM D2850, ASTM D4767, AASHTO T296, AASHTO T297

## Accessories



### 38mm/1.5 Inch Base Adaptor for 50mm Cells.

Code: [25-4166](#)



### 50mm Base Adapter for 50mm Cells.

Code: [25-4168](#)



### 50mm Base Adaptors for 70mm Cells.

Code: [25-4174](#)



## 70mm Base Adaptor for 70mm Cells.

Code: [25-4176](#)

---

### Alternatives



## 38mm/1.5 Inch Base Adaptor for 50mm Cells.

Code: [25-4166](#)



## 50mm Base Adapter for 50mm Cells.

Code: [25-4168](#)



## 50mm Base Adaptors for 70mm Cells.

Code: [25-4174](#)



## 70mm Base Adaptor for 70mm Cells.

Code: [25-4176](#)





## 50mm Base Adapter for 50mm Cells.

Code: [25-4168](#)

Product Group: [Base Pedestals, Specimen Base Adaptors](#)

50mm Base Adapter with Twin Pore Pressure Ports for 50mm Cells.

## Standards

BS 1377, ASTM D2850, ASTM D4767, AASHTO T296, AASHTO T297

## Accessories



## 100 mm Base Adaptor for 100 mm Triaxial Cell.

Code: [25-4186](#)



## 38mm/1.5 Inch Base Adaptor for 50mm Cells.

Code: [25-4166](#)



## 50mm Base Adaptors for 70mm Cells.

Code: [25-4174](#)



## 70mm Base Adaptor for 70mm Cells.

Code: [25-4176](#)

## Alternatives



## 100 mm Base Adaptor for 100 mm Triaxial Cell.

Code: [25-4186](#)



## 38mm/1.5 Inch Base Adaptor for 50mm Cells.

Code: [25-4166](#)



## 50mm Base Adaptors for 70mm Cells.

Code: [25-4174](#)



## 70mm Base Adaptor for 70mm Cells.

Code: [25-4176](#)



## Dial Gauge 25mm Travel X 0.01mm Divisions

Code: [25-4210](#)

Product Group: [Digital Tritest 50 Load Frame, Axial Displacement](#)

25 mm travel x 0.01 mm

## Standards

BS 1377

## Accessories



## Axial Strain Transducer Assembly 50mm Travel Fitted with 5 Pin Din Plug.

Code: [27-1617](#)

## Spares/Consumables



## Dial Indicator - 1.0" Range

Code: [88-4100](#)

## Alternatives



## Digital Tritest 50 Load Frame

Code: [25-3518/02](#)



## Electronic Digital Indicator, 1.0"/25.4 mm range

Code: [88-4220](#)



## Versa-Loader

Code: [25-3525/02](#)

## Pressure Pad 100mm Diameter.

Code: [25-7590](#)

Product Group: [Specimen Caps, Pressure Pads](#)

100 mm diameter pressure pad. The pad shall have two empty ports and will come complete with two blanking plugs, plastic tubing and connector. Suitable For both drained and undrained tests.



## Standards

ASTM D2850, ASTM D4767, ASTM D7181, AASHTO T296, AASHTO T297, ASTM D5084

## Pressure Pad 50mm Diameter.

Code: [25-5430](#)

Product Group: [Specimen Caps, Pressure Pads](#)

50 mm diameter pressure pad. The pad shall have two empty ports and will come complete with two blanking plugs, plastic tubing and connector. Suitable For both drained and undrained tests.



## Standards

AASHTO T296, AASHTO T297, ASTM D2850, ASTM D4767, ASTM D5084, ASTM D7181



## Membrane Placing Tool 100mm/4 Inch Diameter.

Code: [25-7610](#)

Product Group: [Membrane Placing Tools, O-Ring Placing Tools](#)

100Mm/4 Inch Diameter Membrane Placing Tool.

## Standards

ASTM D2850, ASTM D4767, ASTM D7181, AASHTO T296, AASHTO T297, ASTM D5084

## Accessories



## Membrane Placing Tool 35mm/38mm.

Code: [25-4290](#)



## Membrane Placing Tool 70mm/2.8 Inch Diameter.

Code: [25-6470](#)

## Alternatives



## Membrane Placing Tool 35mm/38mm.

Code: [25-4290](#)



## Membrane Placing Tool 70mm/2.8 Inch Diameter.

Code: [25-6470](#)



## Membrane Placing Tool 50mm Diameter.

Code: [25-5470](#)

Product Group: [Membrane Placing Tools, O-Ring Placing Tools](#)

50 mm Diameter Membrane Placing Tool.

## Standards

AASHTO T296, AASHTO T297, ASTM D2850, ASTM D4767, ASTM D5084, ASTM D7181





## Rubber Membrane 100mm/4 Inch Diameter. Pack of 10

Code: [25-7621](#)

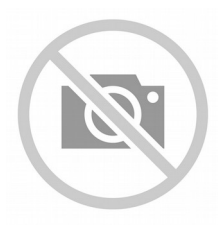
Product Group: [Rubber Membranes](#), [Rubber Membranes](#), [Tri-Flex 2 Permeability Test Cell](#)

100 mm/4 Inch diameter rubber membrane (pack of 10).

## Standards

ASTM D2850, ASTM D4767, ASTM D5084, AASHTO T296, AASHTO T297, ASTM D7181

## Accessories



### 1.4" (35 mm) Rubber Membranes

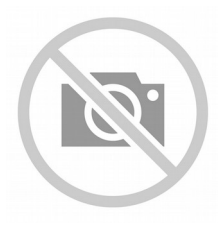
Code: [25-4261](#)



### Rubber Membrane 70mm/2.8 Inch Diameter. Pack of 10.

Code: [25-6441](#)

## Alternatives



### 1.4" (35 mm) Rubber Membranes

Code: [25-4261](#)



### Rubber Membrane 70mm/2.8 Inch Diameter. Pack of 10.

Code: [25-6441](#)



## Rubber Membrane 50mm Diameter Pack of 10.

Code: [25-5441](#)

Product Group: [Rubber Membranes](#)

50 mm diameter rubber membrane (Pack Of 10).

### Standards

AASHTO T296, AASHTO T297, ASTM D2850, ASTM D4767, ASTM D5084, ASTM D7181



## Membrane Sealing Ring 100mm Diameter. Pack of 10.

Code: [25-7631](#)

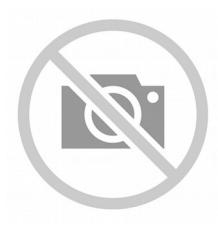
Product Group: [Membrane Sealing Rings, Sealing Rings, Tri-Flex 2 Permeability Test Cell](#)

100 mm diameter membrane sealing ring (Pack Of 10).

## Standards

ASTM D2850, ASTM D4767, ASTM D5084, AASHTO T296, AASHTO T297

## Accessories



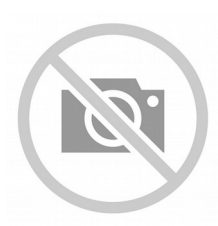
### 1.4" (35 mm) Sealing Rings

Code: [25-4281](#)



### Membrane Sealing Ring 70mm Diameter Pack of 10.

Code: [25-6461](#)



### Membrane Sealing Rings 2.8"

Code: [25-6641](#)

## Alternatives



## 1.4" (35 mm) Sealing Rings

Code: [25-4281](#)



## Membrane Sealing Ring 70mm Diameter Pack of 10.

Code: [25-6461](#)



## Membrane Sealing Rings 2.8"

Code: [25-6641](#)



## Membrane Sealing Ring 50mm Diameter Pack of 10.

Code: [25-5461](#)

Product Group: [Membrane Sealing Rings, Sealing Rings](#)

50 mm diameter membrane sealing ring (Pack Of 10).

### Standards

AASHTO T296, AASHTO T297, ASTM D2850, ASTM D4767, ASTM D5084



## Suction Membrane Device 100mm/4 Inch Diameter.

Code: [25-7640](#)

Product Group: [Suction Membrane Devices](#), [Suction Membrane Device](#)

100Mm/4 Inch Diameter Suction Membrane Device.

## Accessories



### 1.4" Suction Membrane Device

Code: [25-4300](#)



### Suction Membrane Device 70mm Diameter.

Code: [25-6480](#)

## Alternatives



### 1.4" Suction Membrane Device

Code: [25-4300](#)



## Suction Membrane Device 70mm Diameter.

Code: [25-6480](#)



## Suction Membrane Device 50mm Diameter.

Code: [25-5480](#)

Product Group: [Suction Membrane Devices](#), [Suction Membrane Device](#)

50 mm Diameter Suction Membrane Device.





## Two-Way Split Former 100mm Diameter.

Code: [25-7650](#)

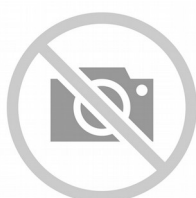
Product Group: [Two-way Split Formers](#), [Two-Way Split Formers](#)

### Accessories



#### 1.4" Two-Way Split Formers

Code: [25-4320](#)



#### 2.8" Two-Way Split Formers

Code: [25-6680](#)



#### Two-Way Split Former 70mm Diameter.

Code: [25-6500](#)

### Alternatives



## 1.4" Two-Way Split Formers

Code: [25-4320](#)



## 2.8" Two-Way Split Formers

Code: [25-6680](#)



## Two-Way Split Former 70mm Diameter.

Code: [25-6500](#)



## Two-Way Split Former 50mm Diameter.

Code: [25-5500](#)

Product Group: [Two-way Split Formers](#), [Two-Way Split Formers](#)

50 mm Diameter Two-Way Split Former.



## Pressure Test 1700 Oil/Water Constant Pressure System 0 to 1700kPa 220-240V 50/60Hz 1Ph.

Code: [26-1800/01](#)

Product Group: [Air/Water Pressure Systems - up to 1000 kPa, Oil/Water Constant Pressure System](#)

- 0 to 1700 kPa (250 lbf/in<sup>2</sup>) fully variable
- Continuous constant pressure control
- One litre capacity

The ELE oil/water constant pressure system, PressureTest 1700, is extremely versatile and can be used in conjunction with a wide range of test equipment. The unit provides continuous variable pressure up to 1700 kPa. Pressure is increased or decreased simply by turning a control wheel.

The apparatus is supplied without a gauge for those customers who have suitable pressure monitoring equipment. A digital pressure gauge is offered as an accessory. The machine features a clear hydraulic/water interface reservoir and up to one litre capacity of water is available under pressure.

## Further Information

Dimensions (without gauge) 240 x 400 x 500 mm (l x w x h).

## Accessories



## Digital Pressure Gauge 1700 kPa for Use with 26-1800 Series Oil/Water Constant Pressure System.

Code: [26-1820](#)

## Spares/Consumables

# Product Sheet

[www.ele.com](http://www.ele.com)  
+44 (0) 01525 249 200



## Oil 5 Litres T46

Code: 26-1805



## Digital Pressure Gauge 1700 kPa for Use with 26-1800 Series Oil/Water Constant Pressure System.

Code: [26-1820](#)

Product Group: [N/A](#)

- Capacity: 1700 kPa
- Units: pressure can be indicated in bar mbar / hPa psi kPa mPa
- Accuracy: better than 1% of indicated pressure
- Measurement interval: twice per second
- Pressure connection: 1/4" bsp
- Power supply: 3 volt battery cr 2430 type
- Battery life: 1400 hours continuous operation
- Capacity: 1700 kPa
- Units: pressure can be indicated in bar mbar / hPa psi kPa mPa.



## Nylon Tubing 6mm Od 3500Kpa.

Code: [26-1926](#)

Product Group: [Permeability of Rock, Volume Change Measurement](#)

6 mm outside diameter x 4 mm inside diameter. For use up to a pressure of 3500 kPa. Priced per metre.



## 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, Direct/Residual Shear Apparatus, Proving Rings, Load Measurement

### 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 - Kg/div	0.3
Overall Height	9.76" (248 mm)
Approx Weight	7.7 lbs.(3.5 kg)

### Accessories



## 50kN Clamped Boss Load Ring

Code: 78-0860



## 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](#)



## Clamped Boss Load Ring - 3.0 kN

Code: [78-0160](#)



## Digital Proving Ring, 1,000 lbs (4.5 kN)

Code: [78-0264](#)

## Spares/Consumables



## Spare Dial Indicator for Load Rings

Code: [78-5461](#)

## Alternatives



## 50kN Clamped Boss Load Ring

Code: [78-0860](#)



## 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](#)



## Clamped Boss Load Ring - 3.0 kN

Code: [78-0160](#)



## Digital Proving Ring, 1,000 lbs (4.5 kN)

Code: [78-0264](#)



## Digital Pressure Gauge 1700Kpa. for Ele Triaxial Cells.

Code: [27-1620](#)

Product Group: [Oil/Water Constant Pressure System](#),  
[Pressure Measurement](#), [Digital Pressure Gauge](#)

For ELE Triaxial Cells. The Digital Pressure Gauge offers highly accurate pressure measurement and digital readout for ELE triaxial cells.

## Standards

ASTM D2850, ASTM D4767, ASTM D7181, ASTM D5084, AASHTO T296, AASHTO T297

## Specification

Capacity	250 psi (1,700 kPa).
Display	LCD.
Display Units	PSI, kPa, MPa.
Accuracy	Better than 1% of indicated pressure.
Read Rate	Two samples per second.
Power Supply	3 volt battery, CR 2340 type.
Battery Life	1400 hours continuous operation.
Dimensions	2.30" w. x 1.25 " d. x 3.75" h. (59 x 32 x 95 mm.)
Weight	Net 1/4 lb. (125 g).



## 6mm Elbow Connector.

Code: [26-1928](#)

Product Group: [Volume Change Measurement](#)



## 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



## Tamping Rod 8mm Dia X 300mm.

Code: 42-4580

Product Group: Aggregate Crushing Value (ACV) and  
Ten Percent Fines Value (TFV)

Spare: 8mm diameter x 300mm long with rounded  
end.

## Further Information

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





## Aluminium Scoop Small

Code: [81-0200](#)

Product Group: [Scoops and Shovels](#)

82 x 127 x 50 mm, cast aluminium with handle

## 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\*\***



## Measuring Cylinder - Glass 500 ml

Code: [82-0460](#)

Product Group: [Measuring Cylinders, BS](#)

Soda glass, spouted, BS EN 4788.

## Further Information

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



## Volumetric Flask - 1000 ml

Code: [82-1060](#)

Product Group: [Funnels and Flasks](#)

Soda glass, stoppered to BS ISO 1042 Class B.

## Further Information

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



## Funnel

Code: [82-2660](#)

Product Group: [Funnels and Flasks](#)

Polythene, 200 mm diameter.

## Further Information

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



## 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 22 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. (5,148 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	(Net 30 lbs). 13.6 kg; Shpg. 40 lbs. (18.1 kg).

## Accessories



## 16 Ton Weight Set

Code: [25-0544](#)



## 2.416" Fixed Ring Consolidometer

Code: [25-0480](#)



## 2.5" Floating Ring Consolidometer

Code: [25-0530](#)



## Consolidation Cell Complete 2.5 Inch Diameter Sample. Inc. Porous Discs and Cutting Ring.

Code: [25-0479](#)



## Consolidation Cell Complete 50mm Diameter Sample.

Code: [25-0455](#)



## Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: [25-0503](#)



## Floor Mounting Stand.

Code: [25-0429](#)

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## Mechanical Dial Indicator - 0.4" Range

Code: [88-4070](#)

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## Mechanical Dial Indicator - 1.0" Range Counter Clockwise Movement

Code: [88-4120](#)

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## Mechanical Dial Indicator - 10 mm Range

Code: [88-4080](#)

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## Mechanical Dial Indicator - 25 mm Range Counter Clockwise Movement

Code: [88-4130](#)

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## Set of Weights 100Kg Total Weight.

Code: [25-0408](#)

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## Weight Set A

Code: [25-0535](#)



## Weight Set B

Code: [25-0537](#)

## Spares/Consumables



## Electronic Digital Indicator, 0.600"/15 mm range

Code: [88-4210](#)

## Alternatives



## Pneumatic Consolidation Apparatus

Code: [25-0560](#)



## 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



## Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: 25-0503

Product Group: Table Top Consolidation Apparatus, BS EN consolidation cells and accessories, Pneumatic Consolidation Apparatus, Fixed Ring Consolidation

### Specification

Application	BS/EN 10:1
Specimen Dia	75 mm
Specimen area	4418 mm <sup>2</sup>
Beam ratio	9:1
Load kg	1
Stress	20 kPa
Typical max stress	3.2 MPa
Stress for 1 kg m <sup>2</sup>	20 kPa
Application	BS
Specimen Diameter	75 mm
Specimen Area	4418 mm <sup>2</sup>
Beam Ratio	10:01
Load	1 kg
Stress	20 kPa
Typical Maximum Stress	3.2 MPa
Stress for 1 kg	20 kPa

### Accessories



#### Calibration Disc 75mm Cell

Code: 25-0509



#### Consolidation Cell Complete 2.5 Inch Diameter Sample. Inc. Porous Discs and Cutting Ring.

Code: 25-0479



## Consolidation Cell Complete 50mm Diameter Sample.

Code: [25-0455](#)

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### Spares/Consumables



## 75mm Dia Upper and Lower Porous Stones for Use on EL25-0503 Series Cell.

Code: [25-0503/13](#)



## Cutting Ring 75mm Cell.

Code: [25-0506](#)

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### Alternatives



## Calibration Disc 75mm Cell

Code: [25-0509](#)



## Consolidation Cell Complete 2.5 Inch Diameter Sample. Inc. Porous Discs and Cutting Ring.

Code: [25-0479](#)



## Consolidation Cell Complete 50mm Diameter Sample.

Code: [25-0455](#)



## Calibration Disc 75mm Cell

Code: [25-0509](#)

Product Group: [BS EN consolidation cells and accessories](#), [Fixed Ring Consolidation](#)

## Standards

BS 1377-5

## Accessories



## Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: [25-0503](#)

## Alternatives



## Consolidation Cell/ Oedometer Complete 75mm Diameter Sample

Code: [25-0503](#)



## DSU Electronic Readout and Control System 220 - 240 V AC 50/60 Hz

Code: [27-1300/01](#)

Product Group: [Data Logging with the DSU](#), [Electronic Instrumentation](#), [Electronic Instrumentation](#), [Electronic Instrumentation](#), [Data Logging with the DSU](#)

· Download the full brochure here  
[[/Page/catalogue-download/NTRmZS9UaGUgTkVXIERTVSBVU0EucGRm](#)]

- 4 channel automatic control and data-logging unit
- Automatic, dual-frame control
- Performs CBR, Marshall, Unconfined Compression, Direct and Residual Shear, One-Dimensional Consolidation and Unconsolidated Undrained tests
- LAN connection - software can be running anywhere on your server
- Never lose data from power fails - 2 gigabytes of non-volatile memory
- Extended warranty

The Data System Unit (DSU) is a versatile instrument designed to accommodate the general logging requirements of geotechnical and materials testing engineers. Its intelligent interface allows the user to work with a range of different sensors.

## Further Information

The DSU has two distinct modes of operation. The first is referred to as DS mode (DataSystem) for operation with ELE International's established DS7 geotechnical testing software.

### DS MODE

- Up to four one dimensional consolidation tests
- Up to two CBR tests
- One direct/residual shear test
- One triaxial quick un-drained test

### DU MODE

- Up to two Marshall tests
- Up to two CBR tests
- Up to two Unconfined compression tests
- Automatic frame control

### OVERVIEW

- Touch Screen data entry for standalone operation, Marshall/CBR/Quick un-drained

- Automatic single and dual frame control (with multiplex 50 frame)
- Log memory of 2 gigabytes
- Non-volatile memory
- Ethernet TCPIP link and serial comms support
- Market leading signal stability
- Certificate and manual calibration features

Become a member of the ELE International web site, add this new product to a wishlist to receive a quote! Click here [Login]

This product is now available in the USA and Canada!

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## Accessories



### Cable, Safety/ID

Code: [27-1300/11](#)



### Dual Frame Comms Cable

Code: [27-1300/10](#)



### PC Cable

Code: [27-1300/12](#)

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## Alternatives



### DSU Electronic Readout and Control System 110 V AC 60 Hz

Code: [27-1300/02](#)



## Marshall Test 50

Code: [45-6810/01](#)



## Marshall Test 50

Code: [45-6810/06](#)