



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

Contents

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24-9000

BS Standard Compaction Mould 1000Cm Capacity.

24-9098

Modified Compaction Mould

25-3518/01

Digital Tritest 50 Load Frame

25-3518/02

Digital Tritest 50 Load Frame



ASTM Compaction Mould 152mm.

Code: 24-9066

Product Group: Accessories for ASTM and Proctor compaction, ASTM/Modified Proctor compaction

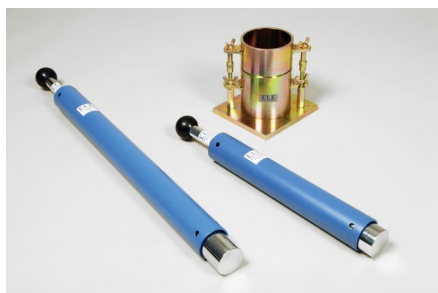
152mm inside diameter

Standards

ASTM D698, ASTM D1557, AASHTO T99, AASHTO T180

Specification

Dimensions	152.4 mm dia x 116.4 mm high
Rammer Mould Volume	1/13.33 ft ³
Construction	All steel, threaded studs with wing nuts, plated.
Weight	8.2 kg



BS Standard Compaction Mould 1000Cm Capacity.

Code: 24-9000

Product Group: BS/EN compaction test 2.5kg,
Accessories for BS compaction and CBR

Plated steel standard compaction mould to BS 1377, comprising of a collar mould body and base plate with quick release wing nuts for easy dismantling.

Standards

BS 1377-4, BS 1924-2

Specification

Mould volume	1 litre
Dimensions	105 mm dia x 115.4 mm high
Construction	All steel, threaded studs with wing nuts, plated.
Weight	5.5 kg



Modified Compaction Mould

Code: 24-9098

Product Group: Modified Compaction Mould,
Automatic Soil Compactor

1/13.33 cu.ft.; 6" i.d. x 4.584" h.

Standards

ASTM D698, ASTM D1557, AASHTO T99, AASHTO T180

Specification

Mould Volume	1/13 .33 cu. ft.
Dimensions	6" i.d. x 4.584" h. (152 .4 x 11 6.4 mm).
Base Plate	8" x 8" (203 x 203 mm).
Weight	Net 18 lbs. (8.2 kg).



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](#)

Digital Tritest 50 Load Frame

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

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



Standards

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

110V, 50/60 Hz, 1Ph, 300 Watts.

See Data Acquisition section for electronic load and strain measurement options.

Specification

Capacity	11 ,200 lbf. (50 kN).
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.).
Platen Travel	3.9" (100 mm); limit switch protection.
Platen Diameter	5.2" (133mm).
Vertical Clearance	35 .8" (910 mm) maximum; 12 " (305 mm) minimum.
Horizontal Clearance	14 .3" (364 mm).
Serial Interface	RS232 C; programmable baud rate and protocol.
Overall Dimensions	19.7" w. x 19.7" d. x 57.8" h. (500 x 500 x 1,470 mm).
Weight	Net 220 lbs. (100 kg); Shpg. 300 lbs. (136 kg).

Accessories



2 Channel Digital Readout, English

Code: [27-1108/02](#)



2 Channel Digital Readout, Metric

Code: [27-1109/02](#)



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 - 2.0 kN

Code: [78-0060](#)



Clamped Boss Load Ring - 28.0 kN

Code: [78-0760](#)



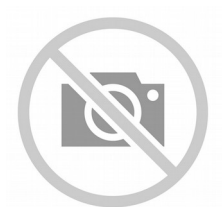
Clamped Boss Load Ring - 3.0 kN

Code: [78-0160](#)



Clamped Boss Load Ring - 4.5 kN

Code: [78-0260](#)



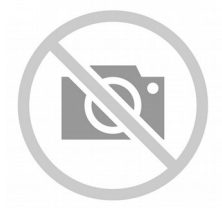
Digital Proving Ring, 1,000 lbs (4.5 kN)

Code: [78-0264](#)



Digital Proving Ring, 11,200 lbs (50.0 kN)

Code: [78-0864](#)



Digital Proving Ring, 450 lbs (2.0 kN)

Code: [78-0064](#)



Digital Proving Ring, 6,000 lbs (28.0 kN)

Code: [78-0764](#)

Spares/Consumables



Dial Indicator - 1.0" Range

Code: [88-4100](#)

Alternatives



CBR Loading Press, Hand-Operated

Code: [24-9345](#)



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

Code: [24-9150/02](#)



Dial Gauge 25mm Travel X 0.01mm Divisions

Code: [25-4210](#)



Digital Proving Ring, 2,250 lbs (10.0 kN)

Code: [78-0464](#)



Electronic Digital Indicator, 1.0"/25.4 mm range

Code: [88-4220](#)



Versa-Loader

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