



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

This wishlist was generated on 22/02/2017, and contains the following Products:

45-6750/01

Gyratory Compactor to EN 12697-31, 10, ASTM D6925, SHRP M-002, AASHTO T312, inc. PC 220-240V 50Hz

45-6750/10

100mm Dia mould & platens

45-6750/25

Spacer 100mm to compact 63mm height on 45-6750

45-6750/24

100mm filter papers (pack of 100)

45-6710

Specimen Extruder

45-6750/28

Small air compressor for 45-6750

45-6750/12

150mm Dia mould & platens

45-6750/26

Spacer 150mm to compact 63mm height on 45-6750

45-6750/22

150 mm filter papers (pack of 100)

24-9090/01

Automatic Soil Compactor BS 220-240V 50Hz 1Ph.

24-9000

BS Standard Compaction Mould 1000Cm Capacity.

24-9198

BS Cbr Mould Body.

24-9200

BS Extension Collar

24-9204

BS Solid Base or Top Plate



Gyratory Compactor to EN 12697-31, 10, ASTM D6925, SHRP M-002, AASHTO T312, inc. PC 220-240V 50Hz

Code: 45-6750/01

Product Group: Gyratory Compaction

One of the best methods of laboratory compaction is considered to be Gyratory for not only the material's assessment of compactibility, but also the production of test samples. The method achieves this by the application of a vertical stress, typically 600 kPa via platens to a mass of asphaltic mixture inside a 100 or 150mm diameter mould. Whilst platens are kept parallel and horizontal, the longitudinal axis of the mould is gyrated at a fixed angle to the vertical axis.

During the test process, the height of the specimen is measured automatically and the mixture density and void content are calculated.

Compaction data is displayed in real time (graphical and tabular) and is available for download to MS Excel(tm) The operator has the ability to choose whether to compact for a certain number of gyrations or until a target mixture density or void content is achieved.

Further Information

Features:

- Full compliance to EN 12697 part 10 and 31
- Configurable to comply with SHRP Superpave
- Both 150mm and 100mm moulds can be tested without any modification
- Automatic mould insertion and retraction
- Cold mix (emulsion) materials can be compacted, with fluid collection facility
- Data acquisition and control via host desktop PC
- Export compaction data to MS Excel(tm)
- UKAS traceable factory calibration
- Can accept moulds up to 300mm in height

Product Specification:

- High stability steel frame with low flex and distortion
- A 95mm pneumatic cylinder
- Safety gates with interlock
- Specimen table
- Accurate stress control via high precision regulator
- High quality inverter for accurate speed control
- Specimen height measurement via linear potentiometer
- Highly durable wheels for ease of movement
- 16bit control and data acquisition
- PC included

Software:

- User-friendly, intuitive and reliable Windows(tm) software
- 2 methods of compaction - no. of gyrations and target density
- User guided step-by-step through compaction
- Real-time display of current height, density and void content
- Software communicates with the gyratory compactor via USB interface
- Utilities are included for transducer check, diagnostic routines and calibration

Specification

Stress	600 kPa nominal, 1000 kPa Max
Mixture types	Wet and Dry
Machine speed	30 rpm
Angle of gyration	0.2 to >2°
Electrical supply	220-240 V 50Hz (16 amp)
Sample sizes	100 and 150 mm dia
Compressed air supply	7-10 bar, 350 L p/m
Dimensions (WxHxL)	790 x 995 x 1920

Accessories



100mm Dia mould & platens

Code: [45-6750/10](#)



100mm Dia mould & platens inc. specimen temperature measurement

Code: [45-6750/23](#)



100mm Dia mould & platens, slotted for emulsion mix

Code: [45-6750/20](#)



100mm Dia split mould

Code: [45-6750/27](#)



100mm filter papers (pack of 100)

Code: [45-6750/24](#)



150 mm filter papers (pack of 100)

Code: [45-6750/22](#)



150mm Dia mould & platens inc. specimen temperature measurement

Code: [45-6750/21](#)



150mm Dia mould & platens

Code: [45-6750/12](#)



150mm Dia mould & platens, slotted for emulsion mix

Code: [45-6750/15](#)



2 deg. angle plate

Code: [45-6750/17](#)



Calibration kit for internal angle lead

Code: [45-6750/11](#)



Display, Shear Force

Code: [45-6750/18](#)



Internal angle measuring device

Code: [45-6750/13](#)



Internal angle measuring device inc. asphalt Hot Mix Simulator (HMS – Hot Mix Simulator)

Code: [45-6750/14](#)



Option for 300mm mould height (cannot be retro-fitted)

Code: [45-6750/16](#)



Small air compressor for 45-6750

Code: [45-6750/28](#)



Spacer 100mm to compact 63mm height on 45-6750

Code: [45-6750/25](#)



Spacer 150mm to compact 63mm height on 45-6750

Code: [45-6750/26](#)



Specimen Extruder

Code: [45-6710](#)



Specimen Temperature Measurement

Code: [45-6750/19](#)



100mm Dia mould & platens

Code: [45-6750/10](#)

Product Group: [Moulds for Gyratory Compactors](#)

34 x 18.5 x 18.5 cms



Spacer 100mm to compact 63mm height on 45-6750

Code: [45-6750/25](#)

Product Group: [Moulds for Gyratory Compactors](#)

34 x 18.5 x 18.5 cms



100mm filter papers (pack of 100)

Code: [45-6750/24](#)

Product Group: [Moulds for Gyratory Compactors](#)

100 x 100 mm



Specimen Extruder

Code: [45-6710](#)

Product Group: [Accessories for Gyratory Compactor](#)



Small air compressor for 45-6750

Code: [45-6750/28](#)

Product Group: [Accessories for Gyratory Compactor](#)

Compressed air supply 7-10 bar, 350 Litres per minute



150mm Dia mould & platens

Code: [45-6750/12](#)

Product Group: [Moulds for Gyratory Compactors](#)

34 x 18.5 x 18.5 cms



Spacer 150mm to compact 63mm height on 45-6750

Code: [45-6750/26](#)

Product Group: [Moulds for Gyratory Compactors](#)



150 mm filter papers (pack of 100)

Code: [45-6750/22](#)

Product Group: [Moulds for Gyratory Compactors](#)

150 mm x 150 mm



Automatic Soil Compactor BS 220-240V 50Hz 1Ph.

Code: [24-9090/01](#)

Product Group: [Automatic Compactors](#)

Preset blow pattern ensures an even compaction, includes solid state controls for reliability and maintenance. An automatic digital counter resets to zero on the completion of a test. An selectable rammer with a drop height of 300-450mm, a selectable rammer weight of 2.5 or 4-5kg. A preset number of blows per layer can be set by thumb wheel control. A compaction rate of approximately 26 blows per minute. Accepts BS Standard Compaction and CBR moulds; also meets the requirements of BS1377. Voltage 220-240V 50hz 1ph.

Standards

BS 1377, EN 13286-2, EN 13286-47

Specification

Dimensions (l x w x h)	430 x 240 x 1400 mm
Rammer BS/EN	Circular faced, 50 mm dia, selectable to 2.5 kg or 4.5 kg weight.
Rammer ASTM	Circular faced, 2 in (50.8 mm) dia, selectable to 5.5 lb (2.5 kg) or 10 lb (4.5 kg) weight.
Drop BS/EN	Adjustable to 300 mm or 450 mm
Drop ASTM	Adjustable to 12 in (305 mm) or 18 in (457 mm)
Weight kg	150

Accessories



BS Cbr Mould Body.

Code: [24-9198](#)



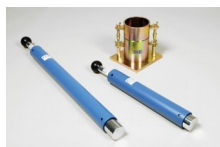
BS Extension Collar

Code: [24-9200](#)



BS Solid Base or Top Plate

Code: [24-9204](#)



BS Standard Compaction Mould 1000Cm Capacity.

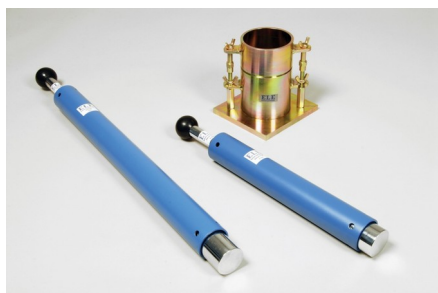
Code: [24-9000](#)

Alternatives



Automatic Soil Compactor BS 220-240V 60Hz 1Ph.

Code: [24-9090/06](#)



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



BS Cbr Mould Body.

Code: 24-9198

Product Group: BS EN CBR mould, Accessories for
BS compaction and CBR

Standards

ASTM D1883, AASHTO T193

Specification

Mould	152 x 127 mm (inside diameter x height)
Collar	51 mm height, fits both ends of mould
Base plate	Solid, fits both ends of mould
Construction	All steel, plated
Weight kg	7.3



BS Extension Collar

Code: [24-9200](#)

Product Group: [BS EN CBR mould accessories](#),
[Accessories for BS compaction and CBR](#)

Standards

EN 13286-4, BS 1377-4, BS 1924-2



BS Solid Base or Top Plate

Code: [24-9204](#)

Product Group: [BS EN CBR mould accessories](#),
[Accessories for BS compaction and CBR](#)

Standards

EN 13286-4, BS 1377-4, BS 1924-2

Accessories



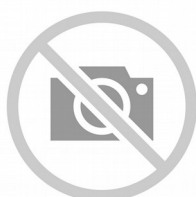
2Kg Annular Surcharge Weight

Code: [24-9214](#)



Base Plate Tool for BS Mould

Code: [24-9210](#)



BS Perforated Base Plate.

Code: [24-9202](#)



Cbr Cutting Collar with Area Ratio of 21.9% to Fit BS Moulds.

Code: [24-9206](#)



Filter Papers 150mm Dia Equivalent to Whatman No 1. Box of 100.

Code: [24-9220](#)

Alternatives



2Kg Annular Surcharge Weight

Code: [24-9214](#)



Base Plate Tool for BS Mould

Code: [24-9210](#)



BS Perforated Base Plate.

Code: [24-9202](#)



Cbr Cutting Collar with Area Ratio of 21.9% to Fit BS Moulds.

Code: [24-9206](#)



Filter Papers 150mm Dia Equivalent to Whatman No 1. Box of 100.

Code: [24-9220](#)