



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

This wishlist was generated on 27/06/2016, 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

45-6750/20

100mm Dia mould & platens, slotted for emulsion mix

45-6750/24

100mm filter papers (pack of 100)

45-6750/27

100mm Dia split mould

45-6750/25

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

45-6750/23

100mm Dia mould & platens inc. specimen temperature measurement

45-6750/12

150mm Dia mould & platens

45-6750/15

150mm Dia mould & platens, slotted for emulsion mix

45-6750/21

150mm Dia mould & platens inc. specimen temperature measurement

45-6750/26

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

45-6750/22

150 mm filter papers (pack of 100)

45-6710

Specimen Extruder

45-6750/11

Calibration kit for internal angle lead

45-6750/13

Internal angle measuring device

45-6750/14

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

45-6750/16

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

45-6750/17

2 deg. angle plate

45-6750/18

Display, Shear Force

45-6750/19

Specimen Temperature Measurement

45-6750/28

Small air compressor for 45-6750



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 |

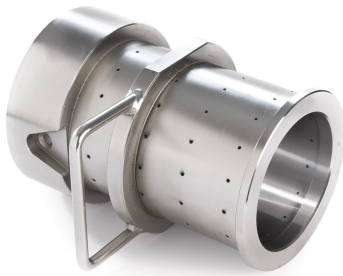


100mm Dia mould & platens

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

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

34 x 18.5 x 18.5 cms



100mm Dia mould & platens, slotted for emulsion mix

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

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



100mm Dia split mould

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

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 Dia mould & platens inc. specimen temperature measurement

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

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

34 x 18.5 x 18.5 cms



150mm Dia mould & platens

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

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

34 x 18.5 x 18.5 cms



150mm Dia mould & platens, slotted for emulsion mix

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

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

34 x 18.5 x 18.5 cms



150mm Dia mould & platens inc. specimen temperature measurement

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

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



Specimen Extruder

Code: [45-6710](#)

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



Calibration kit for internal angle lead

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

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



Internal angle measuring device

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

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



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

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

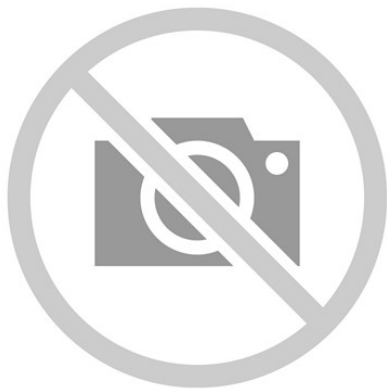
Product Group: [Accessories for Gyratory Compactor](#)



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

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

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



2 deg. angle plate

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

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



Display, Shear Force

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

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



Specimen Temperature Measurement

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

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