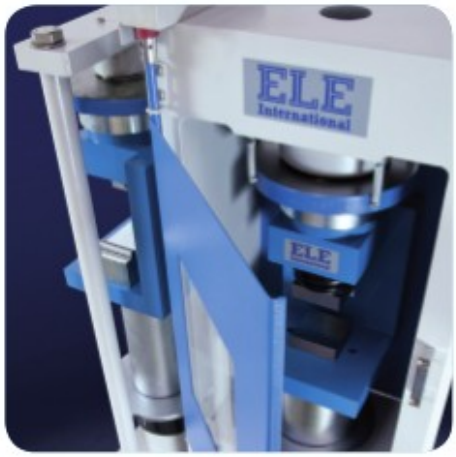

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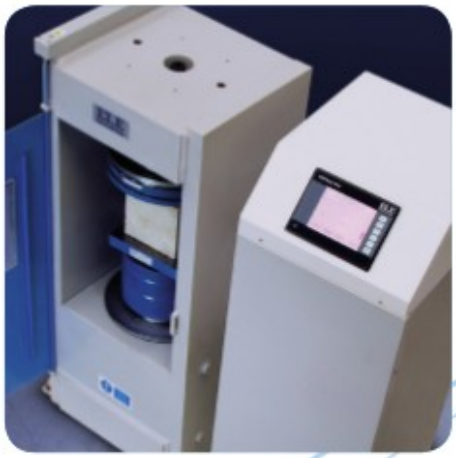

IF IT'S WORTH BUILDING, IT'S WORTH TESTING

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Contents

This wishlist was generated on 08/06/2016, and contains the following Products:

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

Code: 78-0764
Product Group: CBR Loading Press, Hand-Operated, Digital Proving Rings, CBR-Test 50 Machine

Spares/Consumables

Electronic Digital Indicator, 0.250"/6.35 mm range

Code: 88-4200

Clamped Boss Load Ring - 28.0 kN

Code: 78-0760

Product Group: Clamped Boss Load Rings, Digital Tritest 50 Load Frame, Proving Rings, Conversion of In-situ to Laboratory CBR, Load Measurement, CBR Loading Press, Hand-Operated, Load Measurement, CBR-Test 50 Machine, Force measurement

Specification

Capacity: kN, kgf, lbf	28.0, 2800, 6000
Typical Design sensitivity: N/div, kgf/div, lbf/div	25.5, 2.54, 5.45
Overall height mm	248
Approx weight kg	5.4
Capacity	28 kN
Value of CBR	Average range of CBR
Capacity - lbf	6,000
Capacity - kN	28
Capacity - kgf	2,800
Typical Design Sensitivity - lbf/div	5.45
Typical Design Sensitivity - kN/div	25.5
Typical Design Sensitivity - Kgf/div	2.54
Overall Height	9.76” (248 mm)
Approx Weight	11 .9 lbs.(5.4 kg)

Spares/Consumables

Spare Dial Indicator for Load Rings

Code: 78-5461

Digital Proving Ring, 6,000 lbs

Code: PRD-60
Product Group: Digital Proving Rings

(2,722 kg), 8.459" h.

Spares/Consumables

Electronic Digital Indicator, 0.250"/6.35 mm range

Code: 88-4200

Digital Proving Ring, 10,000 lbs

Code: PRD-100
Product Group: Digital Proving Rings

(4,536 kg), 9.025" h.

Spares/Consumables

Electronic Digital Indicator, 0.250"/6.35 mm range

Code: 88-4200

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

Code: 78-0864
Product Group: CBR Loading Press, Hand-Operated, Digital Proving Rings, CBR-Test 50 Machine

Spares/Consumables

Electronic Digital Indicator, 0.250"/6.35 mm range

Code: 88-4200

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

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