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 24 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
24 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

Mechanical Dial Indicator - 0.4" Range
Code: 88-4070

Mechanical Dial Indicator - 1.0" Range Counter Clockwise Movement
Code: 88-4120

Mechanical Dial Indicator - 10 mm Range
Code: 88-4080

Mechanical Dial Indicator - 25 mm Range Counter Clockwise Movement
Code: 88-4130

Set of Weights 100Kg Total Weight.
Code: 25-0408
Product Sheet

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