

CBR-Test 50 Machine

BS 1377, 1924, ASTM D1883, D3668, AASHTO T193

- **Two speed machine (BS & ASTM)**
- **Rapid platen adjustment**
- **Complete with stabilising bar**
- **Compact, bench-mounting design**

Designed for performing laboratory CBR tests to BS 1377 and ASTM D1883, this bench mounting machine comprises a twin column frame incorporating a motorised drive system. Two speeds are provided, 1.0 mm/min for BS and 1.27 mm/min for ASTM tests. Rapid adjustment of the platen is provided which enables daylight to be taken up quickly and also close control of application of a seating load.

Specification

Dimensions (l x w x h)	550 x 400 x 1230 mm
Max vertical clearance	795 mm; platen down, crosshead up
Horizontal clearance	265 mm
Platen diameter	133 mm
Platen travel	100 mm total
Weight	57 kg

Ordering Information

24-9150 CBR-Test 50 Machine

50 kN load frame complete with stabilising bar

24-9150/01 for 220 V AC, 50 Hz, 1ph

24-9150/02 for 110 V AC, 60 Hz, 1ph

Force Measurement

Model No.	Desc.	Value of CBR
78-0060	2 kN Load Ring	Up to 8%
78-0460	10 kN Load Ring	8% to 40%
78-0760	28 kN Load Ring	Average range of CBR
78-0860	50 kN Load Ring	Above 40%

Penetration and Measurement

- 24-9182** **Penetration Piston**
With 1,935 sq. mm (3 sq. in.) area foot of case-hardened steel. Designed to fit all ELE load rings.
- 24-9183** **Penetration Piston**
As 24-9182 but with a coarse stem adjustment. This piston is particularly useful for in-situ testing.
- 24-9184** **Penetration/Swell Dial Gauge ASTM**
1 in. travel x 0.0005 in. divisions. Complete with rack extensions and chiseledge anvil.
- 24-9186** **Penetration Dial Gauge BS**
25 mm travel x 0.01 mm divisions. Complete with rack extensions and chiseledge anvil.
- 24-9188** **Bracket and Adaptor**
Dual purpose mounting bracket for CBR penetration dial gauges. Allows gauge to be fixed to penetration piston or load ring.



CBR Test 50 Machine, Electronic Control & Readout Unit with Accessories

Transducerised Readings and Digital Display

27-1200/09 Electronic Control & Readout Unit For 110-240 V AC, 50/60 Hz, 1ph

27-1705 CBR Displacement Transducer

27-1260 50 kN 'Z' Beam Load Transducer

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