

# CBR TEST MACHINE CTM-01

**STANDARD: BS 1377, 1924; EN 13286-47; ASTM D1883; AASHTO T193**

The manual CBR test machine CTM-01 is designed for laboratory CBR test to evaluate the strength of soil subgrades and base course materials (the particle size of the soil is less than 40mm). It consists of a two column frame with adjustable upper beam, proving ring, penetration bar, loading plate.

- Dial indicators and CBR mould need to be ordered separately.

## TECHNICAL SPECIFICATION

Capacity	30 KN/50KN (selectable)
Load speed	1.0 mm/min
Penetration rod	End diameter 50 mm
Platen stroke	50 mm
Test mould	Dia. 152 mm x 177.8 mm
Dimensions	34 x 50 x 88 cm
Power	380 V, 50 Hz, 150W
Weight	82 Kg



**SINCE 2006**

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# CBR TEST MACHINE CTM-02

**STANDARD: BS 1377, 1924; EN 13286-47; ASTM D1883; AASHTO T193**

The automatic CBR test machine CTM-02 is designed for laboratory CBR test to evaluate the strength of soil subgrades and base course materials (the particle size of the soil is less than 40mm). Servo motor control makes the test process more stable. And the 7-inch touch screen displays test parameters and data, making operation easier.

- CBR mould needs to be ordered separately.

## TECHNICAL SPECIFICATIONS

Maximum load	50 KN
Precision	0.001KN
Load speed	1-5 mm/min
Penetration rod	End diameter 50 mm
Test mould	Dia. 152 mm x 177.8 mm
Displacement sensor	0-25mm, division: 0.01mm, linearity: 0.3%
Dimensions	34 x 45 x 88 cm
Power	220V,50Hz,500W
Weight	Net weight 88kg, gross weight 105kg



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Manufactured from high quality, longlasting material and with regular maintenance will give years of satisfactory performance. (All of the following CBR moulds and accessories need to be ordered separately.)

## ASTM STANDARD

- 34-T0090** CBR mould complete with collar and perforated base plate. Plated steel, 6 in. (152.4mm) dia. x 7 in. (177.8mm) body height
- 34-T0091** Spacer disc with "T" handle. 515/16 in. dia. (150.8 mm) x 2.416 in. (61.4 mm) high
- 34-T0094** Annular surcharge weight, 2.27 kg
- 34-T0095** Slotted surcharge weight, 2.27 kg
- 34-T0098** Cutting edge
- 34-T0097** Solid CBR base
- 34-T0099** Straight edge. 3x30x300 mm



34-T0090



34-T0091



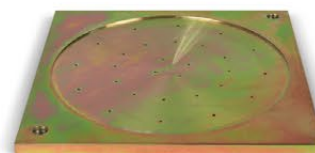
34-T0094



34-T0095



34-T0098



34-T0097



34-T0099

## BRITISH STANDARD

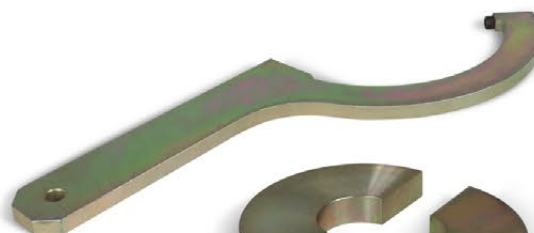
- 34-T0090/B** CBR mould body with base plate, made from plated steel threaded on both ends. 152mm ID x 127mm high, 50mm high collar
- 34-T0090/BC** CBR mould with three plugs collar
- 34-T0090/B6** "C" spanner. To mount and to dismount the collar from the mould body, 1kg
- 34-T0095/B** Split surcharge weight (2 kg, 2.27 kg selectable)



34-T0090/B



34-T0090/BC



34-T0090/B6



34-T0095/B

## EXPANSION (SWELL) TEST APPARATUS

- 34-T0093** Dial gauge tripod
- 34-T0092/A** Aluminium swell plate
- 34-T0092/B** Brass swell plate



34-T0093



34-T0092/A



34-T0092/B