

**Field CBR test set and conversion frame for laboratory use**

BS 1377:9 | BS 1924:2 | UNI 10009

**GENERAL DESCRIPTION**

CBR test can be performed not only in laboratory but also in-situ. CONTROLS proposes a dual purpose test assembly that, connected to the suitable accessories, can satisfy both needs:

- for field testing, **34-T0115/A** includes all necessary components that, along with vehicle bracket code **34-T0115/9**, can be used for in-situ determination of bearing capacity of soils used in road construction.
- alternatively, for laboratory testing, our frame code **34-T0114** can be assembled with the main components of **34-T0115/A**, to create a hand operated CBR machine.

Please consult the tables below for detailed information.

The CBR penetration test can be performed with a number of loading presses, some of them specifically designed for CBR tests, and others with multiple applications (Universal models), at different levels of sophistication:

- MULTISPEED digital automatic universal tester for displacement controlled tests
- CBR motorized loading press
- Hand operated CBR loading press

Please refer to the links to related products below.

**TECHNICAL SPECIFICATIONS**

**Assembly** for **in-situ** testing  
 The Field CBR test set **34-T0115/A** includes the following components, that can be purchased individually as spare parts:

Code	Description	Weight [kg]
34-T0112	50 kN cap. mechanical jack	8.5
34-T0112/1	Ball seating for 34-T0112	1
82-T1008	40 kN cap. load ring	4
34-T0103/1	Adjustable CBR penetration piston	2.2
34-T0104/7	Adjustable dial gauge holder	0.1
34-T0115/3	Set of 3 extension rods and adapters	33
34-T0115/41	Datum bar assembly including two tripod stands and a 1220 mm long aluminium bar	7
82-D1257	Penetration dial gauge, 30x 0.01 mm	0.2

## DATA SHEET

34-T0115/5	9 kg slotted surcharge	9
34-T0115/6	4.5 kg slotted surcharge	4.5
34-T0115/7	4.5 kg anular surcharge	4.5

Total weight (including all parts listed above) of the 34-T0115/A set is 70 kg approx

**Note:** vehicle bracket code **34-T0115/9** has to be ordered separately as accessory.

### Assembly for laboratory testing

To create a hand operated CBR laboratory loading press, the testing frame **34-T0114** has to be assembled with the following components:

Code	Description	Weight [kg]
34-T0112	50 kN cap. mechanical jack	8.5
34-T0112/1	Ball seating for 34-T0112	1
82-T1008	40 kN cap. load ring	4
34-T0103/1	Adjustable CBR penetration piston	2.2
34-T0104/7	Adjustable dial gauge holder	0.1
82-D1257	Penetration dial gauge, 30x 0.01 mm	0.2

Total weight (including all parts listed above) of the 34-T0114 set is 55 kg approx

**Note:** frame code **34-T0114** has to be ordered separately.

## ORDERING INFO

### 34-T0115/A

Complete Field CBR test set

### 34-T0114

Conversion frame to convert the 34-T0115/A in a hand operated CBR loading press for laboratory use.

## ACCESSORIES

### Accessories

#### 34-T0115/9

Vehicle bracket

### Spare parts

#### 34-T0112

50 kN cap. mechanical jack

#### 34-T0112/1

Ball seating for 34-T0112

## DATA SHEET

**82-T1008**

40 kN cap. load ring

**34-T0103/1**

Adjustable CBR penetration piston

**34-T0104/7**

Adjustable dial gauge holder

**34-T0115/3**

Set of 3 extension rods and adapters

**34-T0115/41**

Datum bar assembly including two tripod stands and a 1220 mm long aluminium bar

**82-D1257**

Penetration dial gauge, 30x 0.01 mm

**34-T0115/5**

9 kg slotted surcharge weight

**34-T0115/6**

4.5 kg slotted surcharge weight

**34-T0115/7**

4.5 kg anular surcharge weight



Complete set for field CBR test 34-T0115/A

## DATA SHEET



included)

Frame code 34-T0114 assembled with the main components of assembly code 34-T0115/A (mould not