

IN-SITU C.B.R. TESTING

The mechanical jack T 640/1 has been designed to perform C.B.R. tests in-situ (BS 1377, ASTM D 4429) but may also be used for plate bearing tests.

When used with the conversion frame T 640/5 (see following page) a simple hand operated machine for laboratory CBR tests (ASTM D 1883, AASHTO T 193, BS 1377, BS 1924, UNI 10009, LCPC) and unconfined compression tests (ASTM D 2166, AASHTO T 208, BS 1377) is formed.

T 640/1 50 kN MECHANICAL JACK

The aluminium housing encloses a worm screw reducer. A quick-release key allows the rapid adjustment of the plunger.

Specifications:

- Max. thrust: 50 kN
- Movement ratio: 1 handle rotation = 0.02 mm
- Max. travel: 100 mm
- Dimensions: 150 x 260 x 290 mm.
- Weight: 7.3 kg

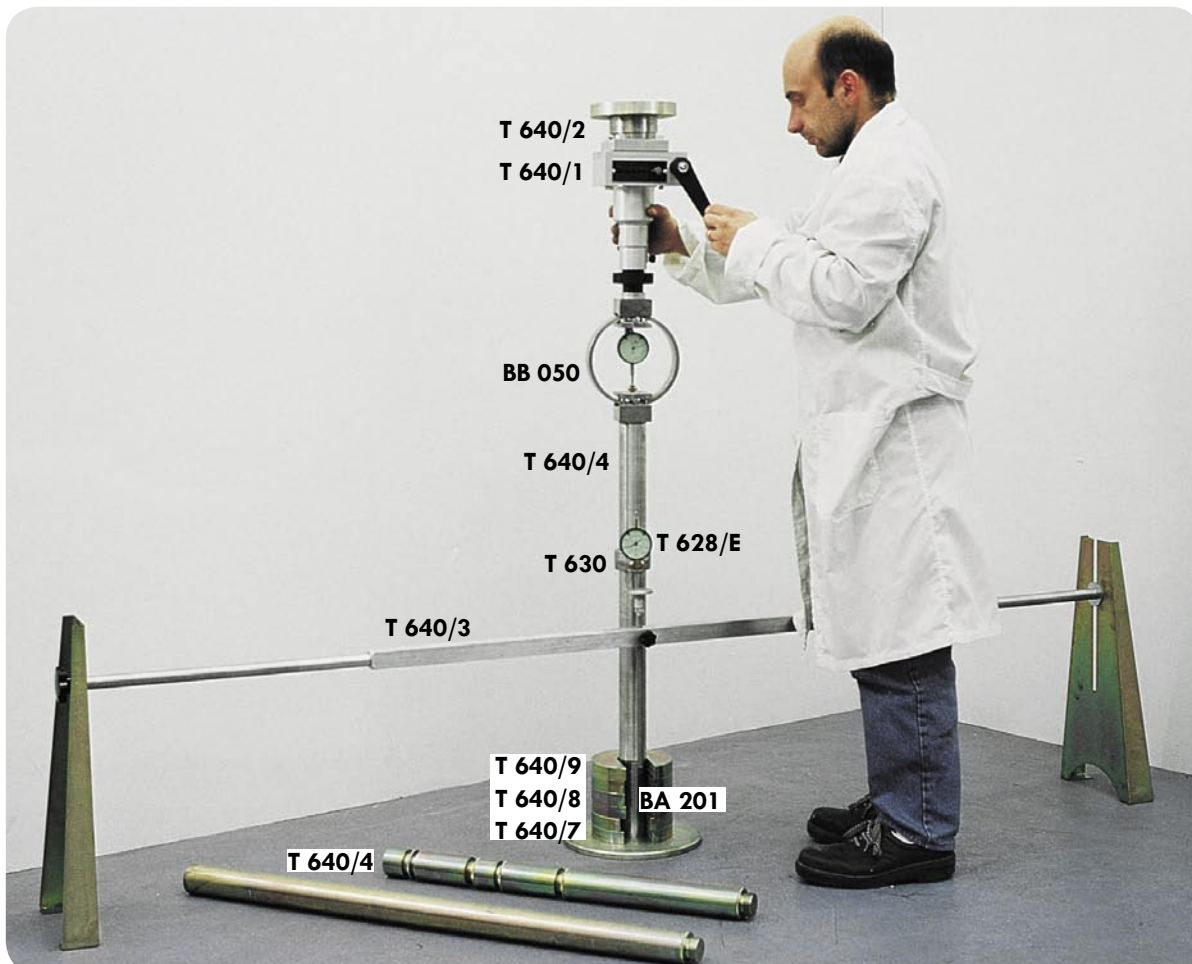
T 640/2	BALL SEATING WITH CONNECTIONS FOR T 640/1
BB 050	50kN PROVING RING
BA 201	C.B.R. PENETRATION PISTON
T 640/4	SET OF EXTENSION RODS Consisting of 6 coupling elements and 2 x 38 mm, 2 x 76 mm, 1 x 305 mm, 1 x 610 mm, 1 x 915 mm extensions
T 640/3	DATUM BAR ASSEMBLY In tubular aluminium, telescopic, 2.4 m long
T 630	DIAL GAUGE BRACKET
T 628/E	ANALOG DIAL GAUGE. 30 mm TRAVEL (0.01)

SURCHARGE WEIGHTS:

T 640/7	ANNULAR SURCHARGE WEIGHT KG 4.54
T 640/8	SPLIT SURCHARGE WEIGHT KG 4.54
T 640/9	SPLIT SURCHARGE WEIGHT KG 9.08

Accessories:

T 640/0	Carrying case (1140 x 450 x 355 mm)
----------------	-------------------------------------



LABORATORY C.B.R. TESTING (HAND OPERATED LOADING MACHINE)

For testing exclusively in the laboratory the following items are required:

T 640/1	50 kN MECHANICAL JACK
T 640/5	CONVERSION FRAME FOR T 640/1
BB 050	50 kN LOAD RING
BA 201	C.B.R. PENETRATION PISTON
T 630	BRACKET FOR DIAL GAUGE
T 628/E	ANALOG DIAL GAUGE. 30 mm TRAVEL, 0.01 DIVISIONS

If one already has the set for in-situ c.b.r. testing, only the following is required:

T 640/5	CONVERSION FRAME FOR T 640/1
---------	------------------------------

Rigid and stable frame, made in corrosion-proof steel.
For C.B.R. and unconfined compression tests in the laboratory.
Dimensions: 380 x 220 x 1140 (h) mm.
Weight: 36 kg.

Accessories for

UNCONFINED COMPRESSION TESTS:

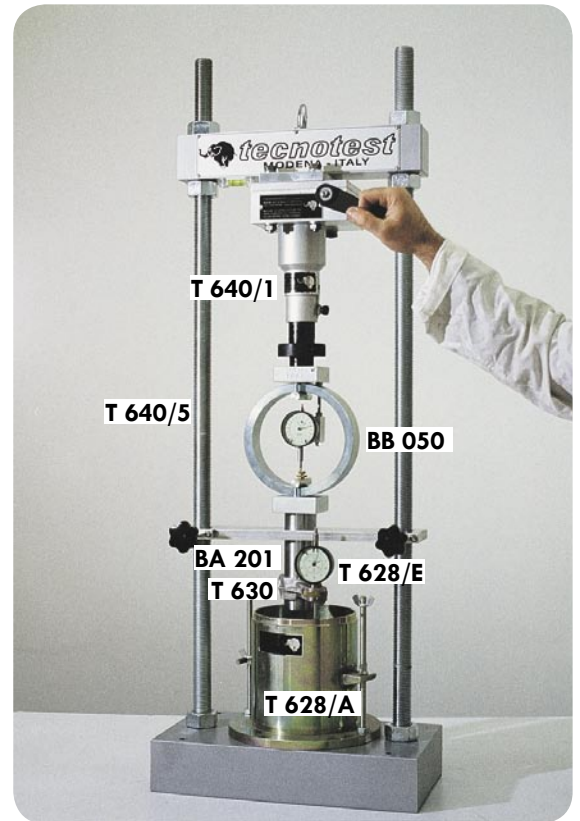
T 630/5	Compression platen
T 630	Bracket for dial gauge micrometric screw for zero setting
T 630/3	Adjustable dial gauge/transducer datum bar

STRENGTH OF STABILISED SOIL

EN 13286-53 BS 1924:2

For unconfined compressive strength testing.
The kit consists of: mould, set of two end plugs, set of two plug displacing collars, plunger and specimen collector.
Made of galvanized steel.

T 657/1	STABILISED SOIL MOULD KIT for fine and medium grained soils. Specimen: 100 x 50 mm dia. Weight: 10 kg
T 657/2	STABILISED SOIL MOULD KIT for medium and coarse-grained soils. Specimen: 200 x 100 mm dia. Weight: 54 kg.



T 630/5 T 630 T 628/E T 630/3



T 657/2