

COMPACTION EQUIPMENT

WS 4000 TO WS 4004 Proctor Mould Set & Automatic Proctor and CBR Compactors

Dry Density/Moisture Relationship BS

This test utilises a 2.5 kg rammer and 1 litre compaction mould. Often referred to as the 'Proctor' test it is suitable for soils containing particles no larger than 20 mm

Proctor moulds

WS 4000 DIMENSI BS Standard Proctor Mould

Used for determining the relationship between the moisture content and density of compacted soil. Made of plated steel. Includes collar, mould body, and base plate. Capacity : 1000 cm³, Internal dia. : 105 mm, Body height : 115.0 mm, Weight approx. 7 kg net. **Standard** : BS 1377, 1924

PROCTOR RAMMERS

WS 4001 DIMENSI BS Standard Proctor Rammer Used to compact the soil sample in the proctor moulds **Standards** : BS 1377, 1924 Rammer made of plated steel :

- Rammer face dia. : 50 mm
- Free fall height : 300 mm
- Rammer weight : 2.5 kg
- Guidesleeve with 8 vent holes

Weight approx. 3 kg net

WS 4000/1 DIMENSI Proctor mould body only

WS 4000/2 DIMENSI Proctor collar only

WS 4000/3 DIMENSI proctor base plate

WS 4002 DIMENSI BS Modified Proctor Rammer Used to compact the soil sample in the proctor moulds. **Standards** : BS 1377, 1924

Rammer made of plated steel.

- Rammer face dia. : 50 mm
- Free fall height : 450 mm
- Rammer weight : 4.5 kg
- Guidesleeve with 8 vent holes

Weight approx. 5.3 kg net

WS 4003 DIMENSI BS Automatic Proctor and CBR Compaction Machine. Wired for 220-240V, 50Hz, 1pH.

Fully automatic compaction machine with repeatable test results.

Standards : BS 1377, 1924

Specifications :

- Number of blows required can be preset on the automatic counter
- Ensures even distribution of blows by turnable rotation and automatic horizontal movement
- Can be adapted for use with all makes of compaction mould on request
- Accommodates mould sizes : 100 and 150 mm dia.
- Rammer weight : interchangeable 2.5 or 4.5 Kg
- Rammer dia : 50 mm
- Drop height : adjustable 300 and 450 mm
- Power : 1 HP motor
- Dimensions : 355 x 760 x 1525 mm

Weight approx. 210 kg net. Shipping 300 kg

WS 4004 DIMENSI Hammer Assembly. The assembly comes complete with :

WS 4004/1 Compaction hammer, 4.52 kg with 457.1 mm drop.

WS 4004/2 Compaction pedestal consisting of wooden block 200x200x451 mm and 301 mm sq. by 25 mm thick steel plate.

WS 4004/3 Hammer guide

WS 4004/4 Compaction mould holder.



WS 4001



WS 4002



WS 4004

COMPACTION EQUIPMENT

WS 4005 TO WS 4017 Compaction Hammer - Vibrating Hammer/Generator

WS 4005 Vibrating hammer. 220-240V, 50Hz, 1pH

Used for the compaction of Proctor and CBR soil specimens. Using the appropriate tamping foot it can also be used for compacting concrete cube or beam specimens (See accessories) and for compacting asphalt in the percentage refusal density test (See accessories).

Standards : BS 598, 1377, 1924

Double insulated motor, plastic trigger handle.

- Power : 750 W
- Length : 445 mm

The hammer is supplied without support frame and tamper which have to be ordered separately.

Weight approx. 7 kg net.

Accessories

WS 4006 DIMENSI Supporting frame for kango hammer. Made of steel protected against corrosion. It is very useful for supporting the vibrating hammer during compaction operation to obtain a better performance with minimum effort. Net weight 70 kg approx.

WS 4007 DIMENSI Tamping foot 145 mm dia. Used for CBR compaction test and density/moisture content test conform to BS 1377 and 1924 specifications. Net weight 2.1 kg

WS 4007 DIMENSI Tamping foot for kango hammer. Used for unconfined compressive strength test conform to BS 1924. Distance of centering disc from base 50 mm. Net weight 3.5 kg

WS 4008 DIMENSI Tamping foot for kango hammer. Same as above but distance of centering disc from base is 100 mm. Net weight 3.5 kg

WS 4009 DIMENSI Tamping foot for kango hammer. Same as above but distance of centering disc from base is 150 mm. Net weight 3.5 kg

WS 4010 DIMENSI Rubber headed vibrating tool (head only)

WS 4011 Tamping foot 75 x 50 mm (head only)

WS 4012 DIMENSI Tamping foot 140 x 100 mm (head only)

WS 4012/1 DIMENSI Tamping foot 150 x 150 mm (head only)

WS 4013 DIMENSI Small testing foot, 102 mm dia (head only)

WS 4014 DIMENSI Large tamping foot, 145 mm dia. (head only)

WS 4015 DIMENSI Shank 300 mm long

WS 4016 DIMENSI Shank 400 mm long

WS 4017 ROBIN Petro-driven Portable Generator, recommended for use with *WS 4005* in the field. The generator will supply 230 volts. The steel framework is of the skid-base type, and the engine and alternator are fitted to the main frame through anti-vibration mountings.

