

AUTOMATIC SOIL COMPACTOR

BS 1377:4, ASTM D558, D560, D698, D1557, AASHTO T99, T134, T135, T136, T180 EN 13286-2 EN 13286-47

Designed to compact Proctor and CBR specimens, it ensures an extremely uniform compaction degree, granting reliable and repeatable test results.

The Automatic Soils Compactor is supplied with interchangeable rammer feet and has two stroke lengths which means that it can be used to carry out all normal compaction operations required in soil testing laboratories.

It is capable of both light and heavy compaction using either 101mm or 152mm diameter compaction moulds. The height of drop of the 2 inch (50.8mm) rammer can be set either at 12 inches (305mm) or 18 inches (457mm) as per requirements. When using the 101mm diameter mould the rammer carriage is locked in one position and the total area of the mould is compacted in about 25 strokes. The Number of strokes can be programmed through the thumb wheel switches with digital display. A selector switch is provided on the control panel for selection between 101mm or 152mm diameter mould.

For 152mm diameter moulds the rammer carriage shifts radically by 25mm to give out 8 blows within the diameter of 101mm and 17 blows between 101mm and 152mm diameter. This sequence is repeated till the rammer completes 56 blows and the machine automatically stops.

SPECIFICATIONS:

Product Code	: BSO-207
Weight	: 113 kg
Dimensions	: 335 x 510 x 1505 mm
Power	: 220 V 50 Hz



COMPACTION MOULDS AND RAMMERS

ASTM D558, D698, D1557, AASHTO T99, T180, BS 1377-4

It is used to compact soil samples. Moulds consist of baseplate, frame and collar. Rammer and moulds are electrolysis coated against corrosion.

SPECIFICATIONS:

Standard Proctor Rammer,

Product Code	: BSO-206/1
ASTM	: 2.5 kg with a 12" (305 mm) drop,
BS	: 2.5 kg with a 300 mm drop

Standard Proctor Mould,

ASTM	: BSO-206/2 H: 4.584"(116.4 mm), ID: 4"(101.6 mm), Collar H: 2" (50 mm)
BS	: BSO-206/3 Dia. 100 mm

Modified Proctor Rammer,

Product Code	: BSO-206/4
ASTM	: 4.5 kg with a 18" (457 mm) drop,
BS	: 4.5 kg with a 450 mm drop

Modified Proctor Mould,

ASTM	: BSO-206/5 H: 4.584"(116.4 mm), ID: 6" (152.4 mm), Collar H: 2" (50 mm)
BS	: BSO-206/6 H:115.5 mm, ID:105 mm, Collar H: 50 mm

