



SOIL LAB SECTION - 04



Moisture Content

SOIL LAB SEC - 04

Rapid Method by Speedy Moisture Tester

BS 812;ASTM D4944; AASHTO T217

Moisture Tester for the rapid and accurate determination of inherent humidity of sand, gravel, soil etc. to carbide method. Different models are available.

Standards:

ASTM D4944-AASHTO T217 BS 6576-UNE 7804

Information for Order

Product# 04-0200
Speedy Moisture Tester

Accessories

Product# 04-0205 Calcium Carbide
Powder



Product# 04-0200 Speedy Moisture Tester

Soil Index Properties

SOIL LAB SEC - 04

Determination of Liquid Limit Casagrande Method

Liquid Limit Devices, Casagrande method, manual and motor operated. Used to determine the moisture content at which clay soil pass from plastic to a liquid state.

Standards: ASTM D4318, BS 1377:2-AASHTO T89, UNE 7377-UNI 10014, NF P94/051

General Description and Specification

Comprises removable brass cup, adjustable crank and cam mechanism blow counter and base. Different models are available conforming to the various specifications in use. They are identical in shape and different generally according to the type of base and cup weight.

Information for Order

Product# 04 - 0206

Liquid limit Apparatus with Accessories

Information for Order

Product# 04 – 0210

Motorised Liquid Limit Apparatus with Accessories



Product# 04-0206 Liquid Limit Device

Determination of Plastic Limit

The plastic Limit is defined as the lowest moisture content of a soil that will permit a sample to be rolled into threads of 3mm diameter without the threads breaking.

The test procedure has remained, in principle, the same since 1932, when Casagrande proposed to define the various limits by relating the moisture content characteristics of soil under certain conditions. The apparatus required is simple yet effective.

Information for Order

Product# 04-0212

Plastic Limit Apparatus with Accessories

Information for Order

Product# 04-0215

Shrinkage Limit Apparatus



04-0212 Plastic Limit App



04-0215 Shrinkage Limit App



Product# 04-0210 Motorized Liquid Limit Apparatus

Dry Density/ Moisture Relationship

Compaction Test 2.5 kg
BS 1377-4, 1924-2, EN DD ENV 1997-2

Used to compact the soil sample in the proctor moulds. Made of plated steel. Guide steeve with vent holes. Different models are available conforming to the various specification in use.

Proctor Compaction Mould

Information for Order

Product# 04-0220
Standard Compaction Mould, BS

Information for Order

Product# 04-0222
BS Compaction Rammer 2.5 kg



Product# 04-0220, Product# 04-0222
BS Compaction Mould and Rammer

SOIL LAB SEC - 04

ASTM Compaction Mould
ASTM D558, D560, D698, D1557;
AASHTO T99, T134, T135, T136, T180

Used for determine the relationship between the moisture content and density of compacted soil. Made of plated steel. Includes collar, moulds, body and base plate. Different models are available conforming to the various specifications in use. They are identical in shape and slightly differ in diameter and capacity.

ASTM D698, D1557; AAHTO T99, T180

Information for Order

04-0224 ASTM Modified Compaction Mould

Information for Order

Product# 04-0226 ASTM Compaction Rammer 4.5 kg

Information for Order

04-0230
Automatic Soil Compactor, 220-240V AC, 50Hz, 1ph



Product# 04-0224, Product# 04-0226
ASTM Compaction Mould and Rammer

SOIL LAB - 04

CBR Machines

BS598, 1377, 1924; EN 12697-23,24,13286-47;ASTM D1883;AASHTO T193

CBR (California Bearing Ratio). This method is used for the laboratory evaluation of sub-grade and sub-base material in road construction. The apparatus comprises moulds with accessories, compaction rammer, loading testing machines with accessories etc. Different moulds available conforming to the various specifications in use.

Information for Order

04-0231 Electric CBR Machine

Information for Order

04-0231 CBR Proving Load Ring

Information for Order

04-0231 CBR Proving Load Ring

Information for Order

Product# 04-0236 ASTM Mould and Accessories



Product#04-0231 CBR Machine 50kN



Product# 04-0236 ASTM Mould and Accessories



Product# 04-0232 CBR Proving Load Ring

F.D.T Sand Cone Density Apparatus

SOIL LAB SEC - 04

Information for Order

- Product# 04-0250 F.D.T Sand Cone 6 Inch Dia with Plate and Bottle
- Product# 04-0255 F.D.T Sand Cone 8 Inch Dia with Plate and Bottle
- Product# 04-0260 F.D.T Sand Cone 12 Inch Dia with Plate and Bottle

Information for Order

- Product# 04-0270 Rubber Ballon Method

Density Moulds

Information for Order

- Product# 04-0272 Unit Weight Mould 6 Inch
- Product# 04-0273 Unit Weight 8 Inch
- Product# 03-0274 Unit Weight 12 Mould

Aluminum Moisture Cans

Information for Order

- Product# 04-0276, Aluminum Can 55x25 mm
- Product# 04-0277 Aluminum Can 90x55 mm
- Product# 04-0277 Aluminum Can 135x90 mm
- Product# 04-0277 Aluminum Can 135x150 mm



Product# 0266 F.D.T Sand Cone Apparatus with Steel Plate



Product# 04-0265 F.D.T Sand Cone Apparatus



Product# 04-0270 Rubber Ballon Method



Product# 04-0275 Aluminum Moisture Cans



Product# 04-272 Density Mould