

FIELD AND LABORATORY DENSITY OF SOIL

WS 5000 TO WS 5027 Sand Replacement Method : BS & Ballon Density Test & Core Cutter Equipment

DIMENSI

BS Sand replacement equipment. Standards : BS 1377, 1924

Models mm dia.	100	150	200
Complete set	WS 5000	WS 5004	WS 5008
Weight kg	7.7	13	27.5
Sand pouring cylinder	WS 5001	WS 5005	WS 5009
Weight kg	4	7.5	16
Calibration can	WS 5002	WS 5006	WS 5010
Weight kg	2.2	7.5	8.5
Density tray	WS 5003	WS 5007	WS 5011
Size mm	305x38	300x40	457x38
Weight kg	1.5	2	3



Sand pouring cylinder and calibration can materials are made of cast aluminium. The set includes sand pouring cylinder complete with shutter, calibration can and metal tray.

Accessories

WS 5012 DIMENSI Standard sand 600/300 micron, Pack in paper drum of 50 kg bag.

Ballon Density Test

The test set consists of a graduated cylinder 1596 ml capacity housed inside an aluminium guard, a reversible rubber aspirator pump, a density plate 9 inches square and 12 rubber ballons. Weight 7 kg. Used to determine the in-situ density of compacted or firmly bonded soils. **Standards : ASTM D 2167, AASHTO T 205, CNR a. VI n 22 methods.**



WS 5013 DIMENSI Ballon Density Apparatus

Accessories

WS 5014 Test form for calibration data. Pack of 100 sheets

WS 5015 Test form for test data. Pack of 100 sheets

Replacement parts

WS 5016 Transparent Cylinder. Graded scale : 0 to 1596 ml. Resolution : 10 ml

WS 5017 Reversible pump complete with connections

WS 5018 Base Plate. With centering hole.

WS 5019 DIMENSI Ballons. Pack of 10 pcs.

Soil Density - Core Cutter Equipment

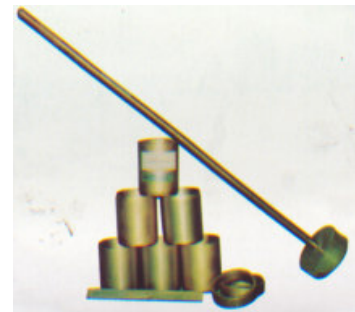
The **DIMENSI** core cutter is driven into the soil using the driving rammer. The the core cutter is dug out, trimmed, weighed and dried. The density and moisture content calculated is then calculated. Material is made of plated steel. The purpose is to determine the dry density of the in-situ soil.

WS 5020 DIMENSI 100 mm diameter core cutter set. The set includes :

WS 5021 DIMENSI 100 mm dia. x 130 mm long core cutter. Weight 1 kg.

WS 5022 DIMENSI Driving dolly for 100 mm dia. core cutter. Weight 1 kg

WS 5023 DIMENSI Driving rammer for 100 mm dia. core cutter. Weight 13.5 kg



WS 5024 DIMENSI 150 mm dia. core cutter set. The set includes :

WS 5025 DIMENSI 150 mm dia. x 180 mm long core cutter. Weight 4.5 kg.

WS 5026 DIMENSI Driving dolly for 150 mm dia. core cutter. Weight 4 kg.

WS 5027 DIMENSI Driving rammer for 150 mm dia. core cutter. Weight 16 kg.

FIELD AND LABORATORY DENSITY OF SOIL

WS 5028 TO WS 5035 Sand Replacement Method - ASTM. UNI

ASTM. UNI Sand Replacement Equipment

WS 5028 DIMENSI 4 inch Sand density cone apparatus

For used to determine the in-situ density of soils. Weight 3 kg. **Standards :** ASTM D 1556, AASHTO T 191.

The set includes :

WS 5029 4 inch metal double cone assembly with valve

WS 5030 Plastic sand jar 5 litre capacity (2 set)

WS 5031 Metal base plate with 4 inch flanged hole

WS 5032 DIMENSI 6 inch Sand density cone apparatus

For used to determine the in-situ density of soils. Weight 3 kg. **Standards :** ASTM D 1556, AASHTO T 191, UNI/CNR methods. The set includes :

WS 5033 6 inch metal double cone assembly with valve

WS 5030 Plastic sand jar 5 litre capacity (2 set)

WS 5034 Metal base plate with 6 inch flanged hole

WS 5035 DIMENSI Calibrating container, 6 inch.

Internal diameter 165 mm, depth 187 mm. Weight 5 kg. **Standards :** ASTM D 1556, AASHTO T191, UNI/CNR.

WS 5036 Scraper, BS 1377 to level off the ground. Weight 600 g.

WS 5037 Metal Dipper tool, to make hole. Weight 300 g.

WS 5038 Density hand pick, to make holes in compact ground.

WS 5039 Density Chisel 300 mm long x 25 mm wide. To remove highly compacted soil.

WS 5040 Steel Pointed Rod with handle. Weight 150 g.

