



ACME-301

ACME-301 THICKNESS GAUGE
IS: 2386 (Part I)

Used for determining the flakiness index of aggregates.

Specifications: It consists of a frame with a sliding panel. The panel has slots of different standard lengths and widths accurately cut.

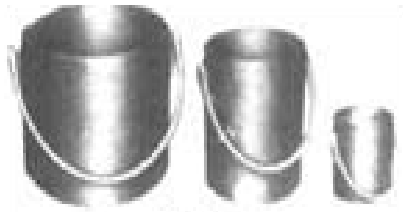
ACME-302 LENGTH GAUGE
IS : 2386 (Part I)

For determination of the elongation index of aggregates.

Specifications: Consists of a hard wood base with vertically mounted metal studs as specified in the IS 2386 (Part I).



ACME-302



ACME-303

ACME-303 CYLINDRICAL MEASURES
IS : 2386 (Part III)

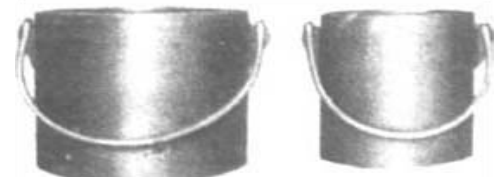
Determines bulk density or unit weight of aggregates.

Specifications: Calibrated cylindrical measures of sheet iron with handles. Consists of 3 measures one each 3litres capacity, 15 liters capacity and 30

ACME-304 METAL MEASURES
IS : 1199 :1959.

For the determination of the unit weight of aggregate.

Specifications: Made from sheet iron, complete with handle, capacity 10 liters or 20 liters.



ACME-304



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Aggregate



ACME-305 DENSITY BASKET **IS: 2386 (PART III)**

For density tests on aggregates as per procedure laid down.

Specifications; Made of brass with stainless steel wire mesh 6.3mm size ruggedly constructed, approximately 20 cm diameter x 20 cm high. Complete with handle.

ACME-305

ACME-306 RIFFLE SAMPLE DIVIDER **IS: 1607:1960**

Used for sampling aggregates, ores, refractory materials pigments, powdered coal, soap, cement etc.

Specifications : It consists of a sheet metal box mounted on legs and fitted with a series of chutes of equal width which discharge the material alternatively in opposite directions into separate pans. The chutes of the riffle are steep enough to allow rapid flowing of the material:-

The instrument has 14 nos. chutes of 13 mm width and is complete with two receivers.



ACME-306

ACME-307 RIFFLE SAMPLER DIVIDER **IS: 1607: 1960**

Same as above but with 6 Nos. chutes of 25 mm width, complete with two receivers.

ACME-308 AGGREGATE CRUSHING VALUE APPARATUS **IS : 9376:2386 (Part IV)**

For measuring of resistance of aggregate to crushing.

Specifications: Consists of MS cylindrical container 150 mm t 0.5mm diameter x 130mm to 140mm high with base plate 200 to 230 mm/ sqr x 6mm thick plunger of 148mm + 0.5mm diameter x 100 to 115 mm high. Supplied complete with tamping rod, 16 mm diameter x 600 mm long, one end rounded and 1 no. Metal measure 115 + 0.5 mm diameter x 180 0.5 mm high .



ACME-308

Note :- On special request Aggregate Crushing Value apparatus having 75mm diameter or 300 mm diameter cylinder size can be supplied.

ACME-309 SPECIFIC GRAVITY AND WATER ABSORPTION OF AGGREGATES (Buoyancy Balance) IS: 2386 (Par III).

This set is used for specific gravity, apparent specific gravity and water absorption of Aggregates Specification: The outfit comprises of –

- 1 No. Semi-self indicating balance, capacity 5 kg, accuracy 0.5 gm, provision is made in this balance to suspend density basket under material pan. Balance is supplied with necessary set of weights. This balance is mounted on an angle iron frame stand.
- 1 No. Density Basket.
- 1 No. Air tight container of capacity similar to that of density basket.
- 1 No. Water tight container to suspend density basket'
- 1 No. GI Tray of area not less than 650 cm sq.
- 1 No Absorbent cloths 75 cm x 45 cm.



ACME-309

ACME-310 AGGREGATE IMPACT TESTER IS: 2386 (Part - IV) 9377

For determining the aggregate impact value.

Specifications: The instrument consists of a circular base with two vertical guides. The hammer of weight 13.75 t 0.25 kg can be raised to fall freely down the vertical guides. The height of fall can be adjusted through 380 + 5 mm. The hammer is provided with a locking arrangement. The hammer falls freely on the aggregates in the cylindrical cup by trigger action. Cylindrical cup can be clamped firmly to the base and is removable for emptying. Supplied complete with metal measure 75 mm diameter x 50 mm high (for specimen preparation) and tamping rod 230 mm long x 10 mm dia.

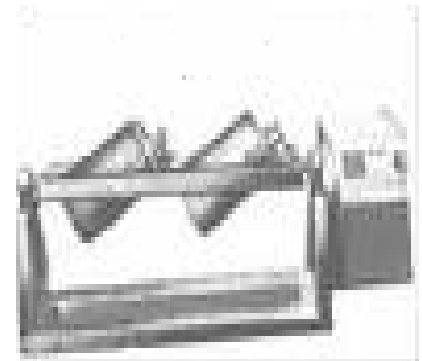


ACME-310

ACME-311 DEVAL ATTRITION TESTER IS: 2386 (Part - IV) ASTM : D2, D289

For the determination of resistance of aggregates to wear by abrasion.

Specifications: It consists of two hollow cylinders closed at one end and provided with tight fitting covers at the either end. These cylinders are mounted on a shaft at an angle of 30 degree with the axis of rotation of the shaft. The shaft rotates at 30-33 rpm through a reduction gear operated by a motor and is provided with a revolution counter. Complete with abrasive charge consisting of 12 Nos. hardened steel balls of 48 mm diameter. Suitable for operation on 440 volts, 3 phases, 50 cycles. A.C. supply.



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ACME-312 DORRY ABRASION TESTING MACHINE BS: 812.

For testing aggregates for resistance to abrasion.

Specifications: It consists of a disc rotating about a shaft connected to a reduction gear box coupled to a motor. The disc rotates at 28 -30 rpm.

Under the rotating disc is a tray with an outlet to facilitate the removal of sand to conical hoppers are mounted on a bracket fixed to the circular tray. An arrangement is made for start and stop the flow of sand. Two holes are provided for mounting two specimens simultaneously. Two containers with weights are supplied to keep the specimens pressed against the rotating disc. Suitable for operation on 220 volt 50 cycles, AC supply.



ACME-312

ACME-313 PUG MILL FOR GRINDING LIME MORTAR

Specifications: It is of welded steel construction, having an internal diameter of 12 inch x 13.5 inch long and is made of 5/16 inch thick steel plate. The drum is supported on heavy duty ball bearings on the two ends. It has an opening of 4 inch width along the full length of the drum. An air and water tight cover is provided to close the opening after the specimen has been put inside the drum. The speed of rotation is 28-30 rpm. The pug mill has an arrangement for being held in any position. A revolution counter for recording the revolutions of the mill is fixed on the machine.

Twelve 3/4 inch diameter steel balls are also supplied with the unit. It is fixed with a 1/2 HP electric motor to operate on single phase. 220/230 volts AC supply.

ACME-LA314 LOS ANGELES ABRASION TESTING MACHINE IS: 2386 (Part IV) ASTM : C 131, AASHO T96

Used for testing crushed rock, crushed slag, crushed and uncrushed gravel for resistance to abrasion.

Specifications : The machine consists of a hollow cylinder mounted horizontally on a study frame on ball bearings. There is an opening which can be closed with a dust tight cover to facilitate charging and discharging the drum with the material under test.

A detachable shelf which extends throughout the inside length of the drum which catches the abrasive charge and does not allow it to fall on the cover. The drum is rotated by an electric motor through a heavy reduction gear at a speed of 30-33 rpm. A revolution counter is fitted to the frame. A tray is supplied for collection of the material at the end of the test. Complete with abrasive charge consisting of a set of twelve hardened steel balls, approximately 48 mm diameter. Suitable for operation on 440 volts, 3 phase, 50 cycles, AC supply.



ACME-314