



AGGREGATE TEST EQUIPMENTS



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AGGREGATE CRUSHING VALUE APPARATUS

Standards

BS 812:110

Product Code

TMA-1120 | Agregra Crushing Value Apparatus Dia 75 mm



Description

Fragmentation of the aggregates under the strength of the pulses applied to the test. 9.52 mm aggregates used for grain sizes below.

Set Apparatuses Creator

- 75 mm diameter steel cylinder
- Steel piston
- Steel base plate
- Diameter 57 mm x 90 mm high steel calibration tube
- Galvanized steel is supplied with a tamping rod.

P. Code	Dimensions(mm)	Weight (kg)
TMA-1120	120X120X350 mm	6 kg

AGGREGATES IMPACT VALUE APPARATUS

Product Code

TMA-1130 | Agregra Impact Value Apparatus

Standards

BS 812:110



AGGREGATE CRUSHING VALUE APPARATUS

Standards

BS 812:110

Product Code

TMA-1110 | Agregra Crushing Value Apparatus Dia 150 mm



Description

Fragmentation of the aggregates under the strength of the pulses applied to the test. 12.7 mm - 9.52 mm particle aggregates are used for the range.

Set Apparatuses Creator

- 150 mm diameter steel roller
- Steel piston
- Steel base plate
- Pipe diameter of 115 mm x 180 mm high steel calibration
- Galvanized steel is supplied with a tamping rod

P. Code	Dimensions(mm)	Weight (kg)
TMA-1110	250X250X600 mm	30 kg

AGGREGATES IMPACT VALUE APPARATUS

Description

Aggregates Impact Value Apparatus, used to determine the impact value of aggregates and select them for a given application.

Technical Specification:

- The machine has a trip-action hammer release, blow counter device and a built-in operator safety device.
- Manufactured in heavy duty form with hardened steel surfaces for minimum wear.
- The complete assembly is galvanized for protection.

P. Code	Dimensions(mm)	Weight (kg)
TMA-1130	2445x300x880 mm	40 kg

SAMPLE SPLITTER

P. Code	Aperture (mm)	Number of Slots	Weight (kg)	Dimensions (mm)
TMA-1420	7	12	2	130x180x180
TMA-1421	13	12	6	200x250x350
TMA-1422	15	12	6,5	200x290x350
TMA-1423	19	10	11	220x310x400
TMA-1424	25	10	9	250x350x420
TMA-1425	30	10	15	230x420x450
TMA-1426	38	8	16	320x430x570
TMA-1427	45	8	20	320x450x590
TMA-1428	50	8	20	320x500x600
TMA-1429	64	8	32	360x600x600
TMA-1430	75	8	35	370x700x600

LARGE CAPACITY SAMPLE SPLITTER

Standards

EN 932-2 | ASTM C702 | BS 812:1, 1377:1, 1924:1

Product Code

TMA-1280 | Large Capacity Sample Splitters



Description

Large Capacity Sample Splitter is used for splitting aggregate samples. Slot widths are adjustable from 12,5 mm to 100 mm and the splitter is equipped with 25 channels with a 20 L hopper capacity.

P. Code	Dimensions(mm)	Weight (kg)
TMA-1120	740X485X980 mm	50 kg



Standards

EN 932-2 | ASTM C702 | BS 812:1, 1377:1, 1924:1

Description

Sample Splitters is used for the rapid preparation of representative samples. Made of sheet metal. Each sample splitter is supplied with 3 metal containers

FLAKINESS INDEX SIEVES BS STANDARD

Standards

BS 812-105.1

Product Code

- TMA-1450 | Flakiness Index Sieve Set BS consists of 7 sieves
- TMA-1451 | Flakiness Index Sieve BS 4.9x30 mm slot size
- TMA-1452 | Flakiness Index Sieve BS 7.2x40 mm slot size
- TMA-1453 | Flakiness Index Sieve BS 10.2x50 mm slot size
- TMA-1454 | Flakiness Index Sieve BS 14.4x60 mm slot size
- TMA-1455 | Flakiness Index Sieve BS 19.7x80 mm slot size
- TMA-1456 | Flakiness Index Sieve BS 26.3x90 mm slot size
- TMA-1457 | Flakiness Index Sieve BS 33.9x100 mm slot size



Description

The dimensions of each sieve comply with the relevant International Standard, manufactured from heavy gauge steel sheet and coated with electrostatic paint. The accuracy of the slot size is better than 0.1 mm. Flakiness Index Sieve Set consists of 7 sieves. For sample preparation 6.3, 10, 14, 20, 28, 37.5, 50 and 63 mm aperture sizes test sieves.

FLAKINESS INDEX SIEVES EN STANDARD

Product Code

TMA-1185 | Flakiness Index Sieve Set EN consists of 13 sieves

P. Code	Aperture (mm)	Weight (kg)	Dimensions (mm)
TMA-1186	2,5	3	340x320x80
TMA-1187	3,15	3	340x320x80
TMA-1188	4	3,8	340x320x80
TMA-1189	5	3,8	340x320x80
TMA-1190	6,3	3,7	340x320x80
TMA-1191	8	3,6	340x320x80
TMA-1192	10	3,4	340x320x80
TMA-1193	12,5	3,2	340x320x80
TMA-1194	16	4	340x320x80
TMA-1195	20	3,2	340x320x80
TMA-1196	25	3,2	340x320x80
TMA-1197	31,5	2,9	340x320x80
TMA-1198	40	2,7	340x320x80

FLAKINESS INDEX GAUGE

Standards

BS 812-105.1

Product Code

TMA-1180 | Flakiness Index Gauge

Description

Flakiness Gauge to verify if aggregate is flaky; i.e. if its thickness is less than 0,6 of its nominal size. Constructed of heavy gauge stainless steel sheet. Weight : 600 g

P. Code	Dimensions(mm)	Weight (kg)
TMA-1180	320x130x10	0,6 kg

Standards

EN 933-3 | NF P18-561 | UNI 8520-18 | NLT 354



Description

Used for the determination of the flakiness index of the aggregate. Consisting of an electrostatically painted frame and 5 mm diameter stainless steel bars with apertures state below.



SHAPE INDEX GAUGE

Standards

EN 933-4 | DIN 4226 | CNR No.95 | NLT 354

Product Code

TMA-1100 | Shape Index Gauge

Description

Used for the determination of the shape factor of aggregates. Measurement range is 200 mm and graduated with 0.05 mm increments.

P. Code	Dimensions(mm)	Weight (kg)
TMA-1100	450x150x50 mm	0,5 kg

LENGTH GAUGE

Standards

BS 812-105.1

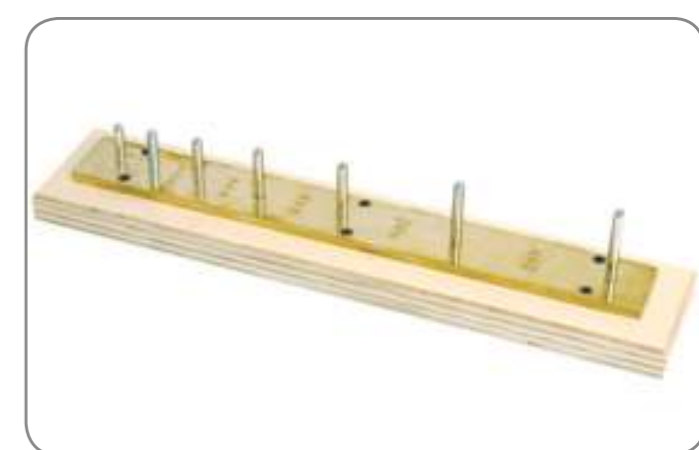
Product Code

TMA-1250 | Length Gauge

Description

Length Gauge to determine if aggregate is elongated; i.e. if length is more than 1,8 of nominal size. Mounted on a hardwood base. Weight : 1 Kg

P. Code	Dimensions(mm)	Weight (kg)
TMA-1250	370x70x70 mm	1 kg



SAND EQUIVALENT SHAKER

Standards

EN 933-8 | ASTM D2419 | AASHTO T176 | UNI 7446

Product Code

- TMA-1475E | Sand Equivalent Shaker with Safety Cover EN 220-240 V 50 Hz
- TMA-1475A | Sand Equivalent Shaker with Safety Cover ASTM 220-240 V 50 Hz
(60 Hz version is available upon request)
- TMA-1475A - 110 | Sand Equivalent Shaker with Safety Cover, 110 V 60 Hz



TIMER

Description

Used for the uniform shaking of Sand Equivalent Measuring Cylinders, at a specified rate and stroke. The shaker is supplied complete with a timer.

Standard	ASTM	EN
Horizontal Movement	203.2 mm ± 1 mm	200 mm ± 10 mm
Cycle	175 ± 2 / min.	90 ± 3 / 30 sec.
Dimensions	700x360x450mm	700x360x450mm
Weight (approx)	52 kg	52 kg
Power	200 W	200 W

SAND EQUIVALENT TEST SET

Standards

EN 933-8 | ASTM D2419 | AASHTO T176 | UNI 8520-15 | UNE 83131 CNR No. 27

Product Code

- TMA-1460E | Sand Equivalent Test Set, EN Model
- TMA-1460A | Sand Equivalent Test Set, ASTM Model



Description

Used to determine the relevant proportions of clay-like or plastic fines and dusts in granular soils and fine aggregates.

The Sand Equivalent Test Set is supplied complete with

- Transparent Graduated Acrylic Plastic Measuring Cylinder, 4 units for TMA-1460A
- Transparent Acrylic Plastic Measuring Cylinder, 4 units for TMA-1460E
- Siphon Assembly (irrigator tube with valve, solid rubber stopper, siphon tube and hose, blow tube)
- Plastic Can, 5 L
- Weighted Foot Assembly
- Measuring Can
- Wide-Mouth Funnel
- Ruler
- Special Carrying Case

P. Code	Dimensions(mm)	Weight (kg)
TMA-1460A	400x600x200 mm	6 kg

METHYLENE BLUE TEST SET

Standards

EN 933-9 | NF P94-068 | UNE 83 180 | UNI 8520-15

Product Code

- TMA-1340 | Methylene Blue Test Set
- TMA-1341 | Filter Paper for Methylene Blue Test Ø:125 mm, 100 pcs/pack



Description

Used for determining the value of 0/2 mm/ fraction in fine aggregates.

The Methylene Blue Test Set is supplied complete with,

- High Speed Agitator Motor, 400/600 rpm
- Stirring Propeller, Ø 70 mm 4 flanks
- Glass Burette, 50 ml x 0.1 ml
- Burette Holder and Stand
- Filter Paper, 1 pack (100 pcs.), 125 mm dia, 95 g/m², 0.20 mm thickness
- Glass Rod, Ø 8x300 mm
- Plastic Beaker, 1000 ml
- Methylene Blue, 100 g
- Kaolinite, 500 g

P. Code	Dimensions(mm)	Weight (kg)
TMA-1340	400x850x270 mm	14 kg

BULK DENSITY MEASURE

Standards

EN 1097-3 | ASTM C29

Product Code

- TMA-1140 | Bulk Density Measure 1 L
- TMA-1141 | Bulk Density Measure 3 L
- TMA-1142 | Bulk Density Measure 5 L
- TMA-1143 | Bulk Density Measure 7 L
- TMA-1144 | Bulk Density Measure 10 L
- TMA-1145 | Bulk Density Measure 14 L
- TMA-1146 | Bulk Density Measure 15 L
- TMA-1147 | Bulk Density Measure 20 L
- TMA-1148 | Bulk Density Measure 30 L



Description

Made from heavy steel sheet, protected against corrosion they are used to determine the weight per cubic metre of freshly mixed and compacted concrete, and also the air content of fresh concrete. Used also for the determination of loose bulk density and voids of aggregate.

LOS ANGELES ABRASION TESTING MACHINE

Standards

ASTM C 131 | EN 1097-2

Product Code

TMA-1260 | Los Angeles Abrasion Testing Machine
TMA-1260-110 | Los Angeles Abrasion Testing Machine 110 V 60 Hz



Description

Los Angeles Abrasion Testing Machine, used to measure the resistance of aggregates to abrasion. Los Angeles Abrasion Testing Machine has a steel frame that supports the drum. 1 hp electric motor and speed reducer turn the drum at 30-33 rpm. Abrasive charges (standard size and weight according to the standards) are to be ordered apart. Galvanised steel tray for the collection of material. The electronic control panel consists of a mains switch, start/stop button and programmable 5 digit revolution counter (with automatic stop at end of cycle).

Technical Specifications:

- Electronic tours with counter,
- Census results automatically turns off the device,
- Number of revolutions per minute, 30-33rpm
- Drum internal diameter of 711mm., Drum 508 mm in length.
- Horizontal axis can be moved with the help of bearings,
- Deviation from horizontal rate of 0.1% external surfaces have been turned
- Specimen collection complete with tray,
- 220 V, 1 phase, 50Hz

P. Code	Dimensions(mm)	Weight (kg)
TMA-1260	1000 x 800 x 1000 mm	350 kg

LOS ANGELES ABRASION TESTING MACHINE

Standards

ASTM C 131 | EN 1097-2

Product Code

TMA-1265 | Los Angeles Abrasion Machine with Soundproof Safety Cabinet
TMA-1265-110 | Los Angeles Abrasion Machine with Soundproof Safety Cabinet 110 V 60 Hz



LOS ANGELES ABRASIVE CHARGES

Standards

ASTM | AASHTO



P. Code	Description
TMA-1270	Set of 12 abrasive charges: 1.13/16" (7 pcs) and 1.7/8" (5 pcs) to ASTM
TMA-1272	Set of 12 abrasive charges: 1.7/8" to EN

BOEHME ABRASION TESTING MACHINE

Standards

EN 1338:2004 | EN 1339 | EN 1340 | EN 13892-3 | EN 14157 | DIN 52108

Product Code

TMA-1160 | Boehme Abrasion Testing Machine



Description

The instrument measures a volume loss in a specimen under abrasion test and it's used in tests such as: - paving stones - concrete slabs - slabs made of natural rocks - natural stone slabs The test is performed by positioning a specimen to be verified in a abrasion tester Böhme apparatus on the test track on which has been spread normalized abrasive; the grinding wheel it's made rotate and the specimen submitted to the abrasive load of 294 N for a certain number of cycles. Before doing a test, establish the specimen's bulk density by measuring weight and thickness. Perform the test for 16 cycles composed of 22 turn each, calculating at the end a worn as a average loss in volume and weight. The apparatus is basically composed of: - cast iron horizontal disc with a speed of 30 rpm and a diameter of 750mm furnished of a 200mm test track to position a specimen. - Control panel with digital revolutions counter with automatic stop after preset revolutions

Technical Specifications:

- Specimen's holder Power supply: 220 - 240 V 50Hz 750 W (60 Hz version is available upon request)
- Dimension: 1500 x 1000 xh 850 mm
- Weight: 250 Kg

P. Code	Dimensions(mm)	Weight (kg)
TMA-1160	1500 x 1000 xh 850 mm	250 kg

JAWS CRUSHER LABORATORY TYPE

Product Code

TMA-1290 | Jaw Crusher Laboratory Type



Description

Jaw Crusher are used for crushing aggregates, core samples or similar materials in the laboratory when smaller sample sizes are required for testing. Three models are available (see Technical Specifications) depending on different feed, output grain sizes and capacity requirements.

Technical Specifications:

- Maximum Feed Size : 100x100 mm
- Output Grain Size : 0 - 8 mm adjustable
- Power : 1500 W

P. Code	Dimensions(mm)	Weight (kg)
TMA-1290	800x900x960 mm	280 kg

JAR MILL TEST MACHINE

Product Code

TMA-1230 | Jar Mill Test Machine



Description

Designed to reduce from 5 mm to powder granulometric materials like: cement, stones, rocks, hard materials. Three models available: 0,3 - 1 - 1,5 litre jar capacity. Jar is in prokorund material with relevant hard porcelain spheres Noise reduction steel cabinet and microswitch to 89/392/CEE Directive. Built in timer. Supplied complete.

Technical Specifications:

- Rpm: about 400
- Power supply: 220-240 V 50 Hz 1ph 750W

P. Code	Dimensions(mm)	Weight (kg)
TMA-1260	350 x 710 x 410 mm	50 kg

POINT LOAD TEST MACHINE

Standards

ASTM D5731

Product Code

TMA-1390 | Point Load Test Machine



Description

Point Load Test Machine, used to determine the strength values of a rock and concrete specimen both in the field and in the laboratory. It consists of a load frame for applying loads up to 50 KN, on which a manual hydraulic jack is mounted. The instrument accepts core specimens up to 4" (101,6 mm) diameter which are loaded by two cone shaped points. A graduated scale indicates the distance between the conical points. The applied load is measured by a pressure transducer with a digital display unit range 0-50kN,

Technical Specifications:

- A capacity of 50 kN.
- Values are digital readout screen.
- Maximum load memory capable of holding.
- Type of land together with a complete set of wooden carrying case.

P. Code	Dimensions(mm)	Weight (kg)
TMA-1390	800 x 500 x 280 mm	15 kg

MICRO DEVAL TESTING MACHINE

Standards

EN1097-1 | CNR N109 | UNE 83115 | NLT 325 | NF P18-572

Product Code

- TMA-1360 | Micro-Deval Apparatus, 220-240 V 50 Hz
- TMA-1360-110 | Micro Deval Testing Machine 110 V 60 Hz
- TMA-1361 | Stainless Steel Drum, Ø 200x154 mm EN 1097-1
- TMA-1362 | Stainless Steel Drum, Ø 200x400 mm EN 13450
- TMA-1363 | Micro-Deval Abrasion Charges Ø10 mm 25 kg Pack, EN 1097-1



The Micro-Deval Apparatus is supplied complete with

- Stainless Steel Drum, Ø 200x154 mm, 4 pcs.
- Abrasion Charges, 25 kg, Ø 10mm

Description

To determine the resistance to wear of aggregates contained in a rotating cylinder with abrasive charges. The machine essentially comprises a heavy steel frame on which four stainless steel cylinders dia. 200x154 mm are mounted. Programmable revolution counter with automatic stop at the end of cycle. Supplied complete with 20kg of stainless steel spheres dia. 10mm.

Technical Specifications:

- Electronic lap counter.
- Result of the counting device switches off automatically.
- 25 mm - 50 mm range, determines the resistance to abrasion of aggregates.
- Drums of 200 mm diameter and 154 mm deep, is made of stainless steel.
- Each drum, a total of 5 kg in weight, along with 10 mm diameter steel balls,
- Drum rotation speed: 100 rpm / min 100 ± 5 r.p.m.

P. Code	Dimensions(mm)	Weight (kg)
TMA-1160	700 x 1250 x 400 mm	150 kg

LABORATORY OVEN

Standards

EN 932-5, 1097-5 | ASTM C127, C136, D558, D559, D560, D698, D1557, D1559 | BS 1377:1, 1924:11 | UNE 103300

Product Code

- TMA-1300 | Laboratory Oven 120 lt., 220-240 V 50-60 Hz
- TMA-1305 | Laboratory Oven 250 lt., 220-240 V 50-60 Hz
- TMA-1310 | Laboratory Oven 500 lt., 220-240 V 50-60 Hz
- TMA-1315 | Laboratory Oven 750 lt., 220-240 V 50-60 Hz



Description

Testmak Laboratory Ovens have been designed for drying asphalt, soil, rock, concrete, aggregate or similar materials. 120, 250, 500 and 750 liter capacity models are available. From ambient to 250°C temperature range with a precision of ±2 °C. The interior is manufactured from stainless steel and the exterior is robustly constructed from sheet steel finished in powder coated paint. All models are fan circulated (forced convection), fitted with direct reading digital control unit and equipped with an analogue over temperature protection thermostat. Laboratory Ovens are supplied complete with 2, 3, 4 or 5 shelves according to the capacity.

P. Code	Internal Dimension	External Dimension	Weight
TMA-1300	400x420x600 mm	700x525x930 mm	52 kg
TMA-1305	600x610x600 mm	920x740x950 mm	75 kg
TMA-1310	900x700x700 mm	1250x760x1100 mm	115 kg
TMA-1315	900x640x1300 mm	1250x730x1650 mm	145 kg

FREEZING AND THAWING CHAMBER

Product Code

TMA-1600 | Freezing and Thawing Chamber, 220-240 V 50-60 Hz



Description

Used for the determination of resistance to freezing and thawing by providing freezing - thawing in air. Time can be adjusted to 999 minutes for each step of the program. The temperature range of the cabinet is -25°C to +60°C.

The cabinet provides heating from -25°C to +25°C in 60 minutes. The distribution of temperature in the cabinet is performed using the integral fan.

Software for data transfer to a computer is supplied complete with the cabinet, and data can be monitored during the tests. Data can be converted to an excel report or to a graph.

The condenser of the cabinet is fitted with an air cooled hermetic cooler. The gas used for the cooler does not include CFC's. The control unit is electronic and equipped with digital display with 0.1°C temperature resolution. The temperature distribution accuracy in the cabinet is not higher than 2°C.

Capacity	285 Liters
Internal Dimension	490x530x1100 mm
External Dimension	700x870x1950 mm
Weight	240 kg
Power	1800 W

MUFFLE FURNACES

Product Code

TMA-1370 | Muffle Furnace 3 lt. 1000°C , 220-240 V 50-60 Hz
 TMA-1371 | Muffle Furnace 5 lt. 1200°C , 220-240 V 50-60 Hz
 TMA-1372 | Muffle Furnace 7 lt., 1600°C , 380 V 50 Hz



Description

Used for determining various properties of construction materials, and they cover a temperature range from 1100°C to 1600°C, they are all front loading for easy operation and are of a double skin construction to maintain a cool outer case. Excellent temperature control is provided by a PID digital control system. A vertical counter balanced door keeps the hot insulation away from the operator which opens in an upward movement. The Furnace has a safety switch which isolates the power when the door is opened.

P. Code	TMT-1370	TMT-1371	TMT-1372
Max. Temperature	1000°C	1200°C	1600°C
Max. Continuous Temperature	950°C	1150°C	1550°C
Temperature Deviation at Set Point	± 2°C	± 2°C	± 2°C
Heat Up Time to Max. Temperature	50 min.	50 min.	75 min.
Internal Volume	3 L	5 L	7 L
Phase	1	1	3
Internal Dimensions (mm)	100x135x200 mm	140x180x200 mm	170x150x250 mm
External Dimensions (mm)	430x330x360 mm	660x550x590 mm	680x580x620 mm
Weight (approx.)	24	58	70
Power	2000 W	2000 W	4900 W

ULTRASONIC CLEANSING APPARATUS

Product Code

TMT-9150 | Ultrasonic Cleansing Bath, 4 Liters, 220-240 V 50-60 Hz
 TMT-9155 | Ultrasonic Cleansing Bath, 8 Liters, 220-240 V 50-60 Hz
 TMT-9160 | Ultrasonic Cleansing Bath, 12 Liters, 220-240 V 50-60 Hz



Description

Ultrasonic Cleansing Apparatus is used for efficient and safe cleaning of sieves of diameters up to 235 mm, especially suitable for fine mesh sieves which could be damaged using ordinary cleaning methods. Manufactured from stainless steel. Washing time can be adjusted up to 30 minutes with the timer. The heating element automatically shuts down for safety in case of insufficient water level. The Cleaning frequency is 28 kHz with 600W peak and 300 W effective power. Heater power is 500 W, and the temperature can be adjusted between 0-90 C.

Technical Specifications	
Capacity	12 Liters
Cleaning Frequency	28 kHz
Temperature	0-90 °C, Adjustable
Heater Power	650 W
Timer	0-30 minutes, Analogue Timer
Ultrasonic Power	600 W
Basket Dimensions	300x240x180 mm
External Dimensions	320x270x380 mm
Weight (approx.)	6 kg
Power	650 W

SPECIFIC GRAVITY BENCH SET

Standards

EN 1097-6, 12390-7

Product Code

TMC-3550 | Specific Gravity Frame Test Set
 TMC-3551 | Specific Gravity Frame
 TMC-3552 | Plastic Water Tank
 TMC-3553 | Cradle for Hardened Concrete Specimens
 TMC-3554 | Density Basket, 200 mm dia x 200 mm deep, 3.5 mm mesh



Description

Used for specific gravity determination of concrete, aggregates etc. It must be utilized with a suitable electronic balance fitted with an under - hook facility (see table at next pages). Robust steel frame made, it incorporates on its lower part a platform adjustable in height, holding a water container, and allowing the specific gravity test. The balance is not included and must be ordered separately.

The TMA-3550 - Specific Gravity Frame Test Set is supplied complete with

- TMC-3551 - Specific Gravity Frame
- TMC-3552 - Plastic Water Tank
- TMC-3553 - Cradle for Hardened Concrete Specimens
- TMC-3554 - Density Basket, 200 mm dia x 200 mm deep, 3.5 mm mesh



P. Code	Dimensions(mm)	Weight (kg)
TMC-3550	600x520x1120 mm	28 kg

ABSORTION CONE AND TAM

Product Code

TMA-1100 | Sand Absorption Set
 TMA-1102 | Sand Absorption Cone
 TMA-1104 | Tamping Rod Ø 25 mm

Standards

BS 812



Description

Sand Absorption Abraham Cone Set is used in determining the specific gravity and water absorption of fine aggregates smaller than 10 mm. The apparatus is manufactured from plated steel for protection against corrosion.

Sand Absorption (Abraham Cone) Set consist of following equipments;

- Absorption Abraham Cone
- Tamping Rod

Technical Specifications

Abraham Cone Upper Dia	40 mm
Abraham Cone Lower Dia	90 mm
Abraham Cone Height	75 mm
Tamping Rod Base Dia	25 mm
Tamping Rod Height	180 mm

P. Code	Dimensions(mm)	Weight (kg)
TMA-1100	90x90x180 mm	0,6 kg

MOISTURE DETERMINATION BALANCE

Product Code

TMA-1350 | Moisture Determination Balance



Description

Used for to determine the moisture content of relatively small samples of various substances.

Technical Specifications:

- Capacity : 50 g
- Pan Size : Ø 90 mm
- Readability : 1 mg
- Maximum Sample Mass : 50 g
- Moisture Reading Accuracy: 0.001 %
- Repeatability : ± 0.24% (sample < 2 g),
± 0.06% (sample 2-10 g),
± 0.04% (sample > 10 g)
- Maximum Drying Temp.: 160°C
- Drying Modes : 4 Modes (Standard / Quick / Step / Mild)
- Power of Heater : 400 W
- Power Supply : 110-240 V 50-60 Hz AC
- Display : LCD (backlit)
- Dimensions : 210x335x190 mm
- Weight (approx.) : 5 kg

HIGH CAPACITY SCREEN SHAKER

Product Code

TMA-1220 | High Capacity Screen Shaker 220-240 V 50-60 Hz
 TMA-1220-110 | High Capacity Screen Shaker 110 V 60 Hz

Standards

EN 1339, 1367-1 | TS 2824

Description

Designed for sieving considerable quantities of any material. The screen shaker accepts up to 30 litres (60 ÷ 70 Kg) of sample. Sturdy made, the machine can hold six screen trays and dust pan. Supplied complete with dust pan, but "without" screen trays to be ordered separately. Provided of timer 0-60 minutes.

P. Code	Dimensions(mm)	Weight (kg)	Power
TMA-1220	585 x 790 x 850	180 kg	550 W

SCREEN TRAYS

P. Code	Aperture mm (in)
TMA-1220-S1	4 mm (No. 5 in)
TMA-1220-S2	4.75 mm (No. 4 in)
TMA-1220-S3	5.6 mm (No. 3 ½ in)
TMA-1220-S4	6.3 mm (¼ in)
TMA-1220-S5	8 mm (5/16 in)
TMA-1220-S6	9.5 mm (3/8 in)
TMA-1220-S7	11.2 mm (7/16 in)
TMA-1220-S8	12.5 mm (½ in)
TMA-1220-S9	16 mm (5/8 in)
TMA-1220-S10	19 mm (¾ in)
TMA-1220-S11	22.4 mm (7/8 in)
TMA-1220-S12	25 mm (1 in)
TMA-1220-S13	31.5 mm (1 ¼ in)
TMA-1220-S14	37.5 mm (1 ½ in)
TMA-1220-S15	45 mm (1 ¾ in)
TMA-1220-S16	50 mm (2 in)
TMA-1220-S17	63 mm (2 ½ in)
TMA-1220-S18	75 mm (3 in)
TMA-1220-S19	90 mm (3 ½ in)
TMA-1220-S20	100 mm (4 in)



Standards

ASTM E11

Description

Screen Trays ASTM E11 Standards and Woven Wire Cloth

P. Code	Dimensions(mm)	Weight (kg)
TMA-1220-S	667x452x67 mm	7 kg

SIEVE SHAKER with FREQUENCY ADJUSTMENT

Product Code

TMA-1170 | Sieve Shaker for 200/300 mm Sieves, with Frequency Adjustment, 220-240 V 50-60 Hz
 TMA-1170-110 | Sieve Shaker for 200/300 mm Sieves, with Frequency Adjustment 110 V 60 Hz

Standards

EN 932-5 | ISO 565, 3310-1, 3310-2 | ASTM E11, 323 | BS 410-1, 410-2



Description

Sieve Shaker is fitted with a very efficient clamping device that ensures sieves are held firmly without over-tightening and allows them to be quickly removed and replaced. The shaker has frequency adjustment and fitted with a digital timer which can be preset to any duration up to 60 minutes.

Sieve shaker has been specially designed to operate with heavy samples without loss of performance. The unique vibratory action also helps keep the apertures clear and free from binding. Sieve Shaker imparts a circular motion to the material being sieved so that it makes a slow progression over the surface of the sieve.

Technical Specifications	
Sieve Capacity	15 pieces of 200 mm or 203 mm sieves + pan and cover 10 pieces of 300 mm or 315 mm sieves + pan and cover
Dimensions	400x400x360 mm
Weight (approx.)	70 kg
Power	250 W

SIEVE SHAKER

Product Code

TMA-1172 | Sieve Shaker for 200/300 mm Sieves, 220-240 V 50-60 Hz
 TMA-1172-110 | Sieve Shaker for 200/300 mm Sieves, 110 V 60 Hz

Standards

EN 932-5 | ISO 565, 3310-1, 3310-2 | ASTM E11, 323 | BS 410-1, 410-2



Description

Sieve Shakers impart a circular motion to the material being sieved so that it makes a slow progression over the surface of the sieve. The Sieve Shaker is equipped with a dynamic power source which ensures the right vibration is imparted to the sieves and sample for fast, accurate and reproducible tests.

The Sieve Shakers are fitted with a very efficient clamping device that ensures sieves are held firmly without over-tightening and allows them to be quickly removed and replaced. The timer can be preset for any duration up to 60 minutes.

Technical Specifications	
Sieve Capacity	15 pieces of 200 mm or 203 mm sieves + pan and cover 10 pieces of 300 mm or 315 mm sieves + pan and cover
Dimensions	510x510x360 mm
Weight (approx.)	65 kg
Power	250 W

TESTING SIEVES ISO 3310-1 STANDARD

Standards

EN 933-2 | ISO 565, 3310-1, 3310-2;

ISO 3310-1 Woven Wire Cloth Sieves		
Aperture Size	Ø 200 mm x 50 mm	Ø 300 mm x 75 mm
125 mm	TMA-2WCI1250	TMA-3WCI1250
100 mm (4")	TMA-2WCI1000	TMA-3WCI1000
90 mm (3 1/2")	TMA-2WCI0900	TMA-3WCI0900
80 mm	TMA-2WCI0800	TMA-3WCI0800
75 mm (3")	TMA-2WCI0750	TMA-3WCI0750
63 mm (2 1/2")	TMA-2WCI0630	TMA-3WCI0630
56 mm	TMA-2WCI0560	TMA-3WCI0560
53 mm (2.12")	TMA-2WCI0530	TMA-3WCI0530
50 mm (2")	TMA-2WCI0500	TMA-3WCI0500
45 mm (1 3/4")	TMA-2WCI0450	TMA-3WCI0450
40 mm	TMA-2WCI0400	TMA-3WCI0400
37.5 mm (1-1/2")	TMA-2WCI0375	TMA-3WCI0375
31.5 mm (1 1/4")	TMA-2WCI0315	TMA-3WCI0315
26.5 mm (1.06")	TMA-2WCI0265	TMA-3WCI0265
25 mm (1")	TMA-2WCI0250	TMA-3WCI0250
22.4 mm (7/8")	TMA-2WCI0224	TMA-3WCI0224
20 mm	TMA-2WCI0220	TMA-3WCI0220
19 mm (3/4")	TMA-2WCI0190	TMA-3WCI0190
16 mm (5/8")	TMA-2WCI0160	TMA-3WCI0160
13.2 mm (.530")	TMA-2WCI0132	TMA-3WCI0132
12.5 mm (1/2")	TMA-2WCI0125	TMA-3WCI0125
11.2 mm (7/16")	TMA-2WCI0112	TMA-3WCI0112
10 mm	TMA-2WCI0100	TMA-3WCI0100
9.5 mm (3/8")	TMA-2WCI0095	TMA-3WCI0095
8 mm (5/16")	TMA-2WCI0080	TMA-3WCI0080
6.7 mm (.265")	TMA-2WCI0067	TMA-3WCI0067
6.3 mm (1/4")	TMA-2WCI0063	TMA-3WCI0063
5.6 mm (No. 3 1/2)	TMA-2WCI0056	TMA-3WCI0056
5 mm	TMA-2WCI0050	TMA-3WCI0050
4.75 mm (No.4)	TMA-2WCI0047	TMA-3WCI0047
4 mm (No.5)	TMA-2WCI0040	TMA-3WCI0040
3.35 mm (No. 6)	TMA-2WFI0335	TMA-3WFI0335
3.15 mm	TMA-2WFI0315	TMA-3WFI0315
2.8 mm (No. 7)	TMA-2WFI0028	TMA-3WFI0028
2.5 mm	TMA-2WFI0025	TMA-3WFI0025
2.36 mm (No.8)	TMA-2WFI0236	TMA-3WFI0236

ISO 3310-1 Woven Wire Cloth Sieves		
Aperture Size	Ø 200 mm x 50 mm	Ø 300 mm x 75 mm
2 mm (No.10)	TMA-2WFI0200	TMA-3WFI0200
1.7 mm (No. 12)	TMA-2WFI0170	TMA-3WFI0170
1.6 mm	TMA-2WFI0160	TMA-3WFI0160
1.4 mm (No. 14)	TMA-2WFI0140	TMA-3WFI0140
1.25 mm	TMA-2WFI0125	TMA-3WFI0125
1.18 mm (No.16)	TMA-2WFI0118	TMA-3WFI0118
1 mm (No. 18)	TMA-2WFI0100	TMA-3WFI0100
850 µm (No. 20)	TMA-2WFI0850	TMA-3WFI0850
800 µm	TMA-2WFI0800	TMA-3WFI0800
710 µm (No. 25)	TMA-2WFI0710	TMA-3WFI0710
630 µm	TMA-2WFI0630	TMA-3WFI0630
600 µm (No. 30)	TMA-2WFI0600	TMA-3WFI0600
500 µm (No. 35)	TMA-2WFI0500	TMA-3WFI0500
425 µm (No. 40)	TMA-2WFI0425	TMA-3WFI0425
400 µm	TMA-2WFI0400	TMA-3WFI0400
355 µm (No. 45)	TMA-2WFI0355	TMA-3WFI0355
315 µm	TMA-2WFI0031	TMA-3WFI0031
300 µm (No. 50)	TMA-2WFI0030	TMA-3WFI0030
250 µm (No. 60)	TMA-2WFI0025	TMA-3WFI0025
212 µm (No. 70)	TMA-2WFI0021	TMA-3WFI0021
200 µm	TMA-2WFI0020	TMA-3WFI0020
180 µm (No. 80)	TMA-2WFI0018	TMA-3WFI0018
160 µm	TMA-2WFI0016	TMA-3WFI0016
150 µm (No. 100)	TMA-2WFI0015	TMA-3WFI0015
125 µm (No. 120)	TMA-2WFI0012	TMA-3WFI0012
106 µm (No. 140)	TMA-2WFI0011	TMA-3WFI0011
100 µm	TMA-2WFI0010	TMA-3WFI0010
90 µm (No. 170)	TMA-2WFI0009	TMA-3WFI0009
80 µm	TMA-2WFI0008	TMA-3WFI0008
75 µm (No. 200)	TMA-2WFI0007	TMA-3WFI0007
63 µm (No. 230)	TMA-2WFI0006	TMA-3WFI0006
53 µm (No. 270)	TMA-2WFI0053	TMA-3WFI0053
50 µm	TMA-2WFI0005	TMA-3WFI0005
45 µm (No. 325)	TMA-2WFI0045	TMA-3WFI0045
38 µm (No. 400)	TMA-2WFI0004	TMA-3WFI0004



TESTING SIEVES ISO 3310-2 STANDARD

Standards

EN 933-2 | ISO 565, 3310-1, 3310-2;

ISO 3310-2 Perforated Plate Sieves		
Aperture Size	Ø 200 mm x 50 mm	Ø 300 mm x 75 mm
125 mm	TMA-2PC1250	TMA-3PC1250
106 mm	TMA-2PC1060	TMA-3PC1060
100 mm (4")	TMA-2PC1000	TMA-3PC1000
90 mm (3 1/2")	TMA-2PC0900	TMA-3PC0900
80 mm	TMA-2PC0800	TMA-3PC0800
75 mm (3")	TMA-2PC0750	TMA-3PC0750
63 mm (2 1/2")	TMA-2PC0630	TMA-3PC0630
56 mm	TMA-2PC0560	TMA-3PC0560
53 mm (2.12")	TMA-2PC0530	TMA-3PC0530
50 mm (2")	TMA-2PC0500	TMA-3PC0500
45 mm (1 3/4)	TMA-2PC0450	TMA-3PC0450
40 mm	TMA-2PC0400	TMA-3PC0400
37.5 mm (1-1/2")	TMA-2PC0375	TMA-3PC0375
31.5 mm (1 1/4")	TMA-2PC0315	TMA-3PC0315
28 mm	TMA-2PC0280	TMA-3PC0280
26.5 mm (1.06")	TMA-2PC0265	TMA-3PC0265
25 mm (1")	TMA-2PC0250	TMA-3PC0250
22.4 mm (7/8")	TMA-2PC0224	TMA-3PC0224
20 mm	TMA-2PC0220	TMA-3PC0220
19 mm (3/4")	TMA-2PC0190	TMA-3PC0190
18 mm	TMA-2PC0180	TMA-3PC0180
16 mm (5/8")	TMA-2PC0160	TMA-3PC0160
14 mm	TMA-2PC0140	TMA-3PC0140
13.2 mm (.530")	TMA-2PC0132	TMA-3PC0132

ISO 3310-2 Perforated Plate Sieves		
Aperture Size	Ø 200 mm x 50 mm	Ø 300 mm x 75 mm
12.5 mm (1/2")	TMA-2PC0125	TMA-3PC0125
11.2 mm (7/16")	TMA-2PC0112	TMA-3PC0112
10 mm	TMA-2PC0100	TMA-3PC0100
9.5 mm (3/8")	TMA-2PC0095	TMA-3PC0095
9 mm	TMA-2PC0090	TMA-3PC0090
8 mm (5/16")	TMA-2PC0080	TMA-3PC0080
7.1 mm	TMA-2PC0071	TMA-3PC0071
6.7 mm (.265")	TMA-2PC0067	TMA-3PC0067
6.3 mm (1/4")	TMA-2PC0063	TMA-3PC0063
5.6 mm (No. 3 1/2)	TMA-2PC0056	TMA-3PC0056
5 mm	TMA-2PC0050	TMA-3PC0050
4.75 mm (No.4)	TMA-2PC0047	TMA-3PC0047
4 mm (No.5)	TMA-2PC0040	TMA-3PC0040



TESTING SIEVES ASTM E11 STANDARD

Standards

ASTM E11

ASTM E11 Woven Wire Cloth Sieves		
Aperture Size	8"x2" Sieves	12"x3" Sieves
100 mm (4")	TMA-2WCA1000	TMA-3WCA1000
90 mm (3 1/2")	TMA-2WCA0900	TMA-3WCA0900
75 mm (3")	TMA-2WCA0750	TMA-3WCA0750
63 mm (2 1/2")	TMA-2WCA0630	TMA-3WCA0630
53 mm (2.12")	TMA-2WCA0530	TMA-3WCA0530
50 mm (2")	TMA-2WCA0500	TMA-3WCA0500
45 mm (1 3/4)	TMA-2WCA0450	TMA-3WCA0450
37.5 mm (1-1/2")	TMA-2WCA0375	TMA-3WCA0375
31.5 mm (1 1/4")	TMA-2WCA0315	TMA-3WCA0315
26.5 mm (1.06")	TMA-2WCA0265	TMA-3WCA0265
25 mm (1")	TMA-2WCA0250	TMA-3WCA0250
22.4 mm (7/8")	TMA-2WCA0224	TMA-3WCA0224
19 mm (3/4")	TMA-2WCA0190	TMA-3WCA0190
16 mm (5/8")	TMA-2WCA0160	TMA-3WCA0160
13.2 mm (.530")	TMA-2WCA0132	TMA-3WCA0132
12.5 mm (1/2")	TMA-2WCA0125	TMA-3WCA0125
11.2 mm (7/16")	TMA-2WCA0112	TMA-3WCA0112
9.5 mm (3/8")	TMA-2WCA0095	TMA-3WCA0095
8 mm (5/16")	TMA-2WCA0080	TMA-3WCA0080
6.7 mm (.265")	TMA-2WCA0067	TMA-3WCA0067
6.3 mm (1/4")	TMA-2WCA0063	TMA-3WCA0063
5.6 mm (No. 3 1/2)	TMA-2WCA0056	TMA-3WCA0056
4.75 mm (No.4)	TMA-2WCA0047	TMA-3WCA0047
4 mm (No.5)	TMA-2WCA0040	TMA-3WCA0040
3.35 mm (No. 6)	TMA-2WFA0335	TMA-3WFA0335
2.8 mm (No. 7)	TMA-2WFA0028	TMA-3WFA0028
2.36 mm (No.8)	TMA-2WFA0236	TMA-3WFA0236
2 mm (No.10)	TMA-2WFA0200	TMA-3WFA0200
1.7 mm (No. 12)	TMA-2WFA0170	TMA-3WFA0170
1.4 mm (No. 14)	TMA-2WFA0140	TMA-3WFA0140
1.18 mm (No.16)	TMA-2WFA0118	TMA-3WFA0118
1 mm (No. 18)	TMA-2WFA0100	TMA-3WFA0100
850 µm (No. 20)	TMA-2WFA0850	TMA-3WFA0850
710 µm (No. 25)	TMA-2WFA0710	TMA-3WFA0710
600 µm (No. 30)	TMA-2WFA0600	TMA-3WFA0600

ASTM E11 Woven Wire Cloth Sieves		
Aperture Size	8"x2" Sieves	12"x3" Sieves
500 µm (No. 35)	TMA-2WFA0500	TMA-3WFA0500
425 µm (No. 40)	TMA-2WFA0425	TMA-3WFA0425
355 µm (No. 45)	TMA-2WFA0355	TMA-3WFA0355
300 µm (No. 50)	TMA-2WFA0030	TMA-3WFA0030
250 µm (No. 60)	TMA-2WFA0025	TMA-3WFA0025
212 µm (No. 70)	TMA-2WFA0021	TMA-3WFA0021
180 µm (No. 80)	TMA-2WFA0018	TMA-3WFA0018
150 µm (No. 100)	TMA-2WFA0015	TMA-3WFA0015
125 µm (No. 120)	TMA-2WFA0012	TMA-3WFA0012
106 µm (No. 140)	TMA-2WFA0011	TMA-3WFA0011
90 µm (No. 170)	TMA-2WFA0009	TMA-3WFA0009
75 µm (No. 200)	TMA-2WFA0007	TMA-3WFA0007
63 µm (No. 230)	TMA-2WFA0006	TMA-3WFA0006
53 µm (No. 270)	TMA-2WFA0053	TMA-3WFA0053
45 µm (No. 325)	TMA-2WFA0045	TMA-3WFA0045
38 µm (No. 400)	TMA-2WFA0003	TMA-3WFA0003



WET WASHING SIEVES

Description

Extremely useful sieves where samples need to be separated with the help of wet washing. Available in 8 inch diameter by 4 or 8 inches deep or their metric equivalent with stainless steel frames.



P. Code	Aperture Sizes	Diameter
TMA-3080	150 μm (No.100)	Ø 200 mm x 100 mm
TMA-3081	75 μm (No.200)	Ø 200 mm x 100 mm
TMA-3082	63 μm (No.230)	Ø 200 mm x 100 mm

WET WASHING SIEVES

Description

Extremely useful sieves where samples need to be separated with the help of wet washing. Available in 8 inch diameter by 4 or 8 inches deep or their metric equivalent with stainless steel frames.



P. Code	Aperture Sizes	Diameter
TMA-3083	150 μm (No.100)	Ø 200 mm x 200 mm
TMA-3084	75 μm (No.200)	Ø 200 mm x 200 mm
TMA-3085	63 μm (No.230)	Ø 200 mm x 200 mm

PAN & COVER

For Dia 200 mm Sieves

P. Code	Product	For Diameter
TMA-2075	Pan&Cover	Ø 200 x 50 mm
TMA-2076	Pan	Ø 200 x 50 mm
TMA-2077	Cover	Ø 200 x 50 mm

PAN & COVER

For Dia 300 mm Sieves

P. Code	Product	For Diameter
TMA-3075	Pan&Cover	Ø 300 x 75 mm
TMA-3076	Pan	Ø 300 x 75 mm
TMA-3077	Cover	Ø 300 x 75 mm

For Dia 8 Inch Sieves

P. Code	Product	For Diameter
TMA-2078	Pan&Cover	8 inch x 2 inch
TMA-2079	Pan	8 inch x 2 inch
TMA-2080	Cover	8 inch x 2 inch

For Dia 12 Inch Sieves

P. Code	Product	For Diameter
TMA-3078	Pan&Cover	12 inch x 3 inch
TMA-3079	Pan	12 inch x 3 inch
TMA-3080	Cover	12 inch x 3 inch

Blank lined area for notes or additional information.