

AGGREGAT EQUIPMENT

BRASS ROUND SIEVE



For determining grain size distribution of soil particles or sand / gravel.
Brass frame 8" dia.

Type	Parts Name	Specification
AG-200 A	Sieve 4"	Mesh 101.6 opening
AG-201 A	Sieve 3 1/2"	Mesh 88.9 mm opening
AG-202 A	Sieve 3"	Mesh 76.2 mm opening
AG-203 A	Sieve 2 1/2"	Mesh 62.5 mm opening
AG-204 A	Sieve 2"	Mesh 50.8 mm opening
AG-205 A	Sieve 1 3/4"	Mesh 44.4 mm opening
AG-206 A	Sieve 1 1/2"	Mesh 38.1 mm opening
AG-207 A	Sieve 1 1/4"	Mesh 31.7 mm opening
AG-208 A	Sieve 1"	Mesh 25.4 mm opening
AG-209 A	Sieve 7/8"	Mesh 22.2 mm opening
AG-210 A	Sieve 3/4"	Mesh 19.0 mm opening
AG-211 A	Sieve 5/8"	Mesh 15.8 mm opening
AG-212 A	Sieve 1/2"	Mesh 12.7 mm opening
AG-213 A	Sieve 7/16"	Mesh 11.1 mm opening
AG-214 A	Sieve 3/8"	Mesh 9.5 mm opening
AG-215 A	Sieve 5/16"	Mesh 7.9 mm opening
AG-216 A	Sieve 1/4"	Mesh 6.3 mm opening
AG-218 A	Sieve # 4	Mesh 4.75 mm opening
AG-222 A	Sieve # 8	Mesh 2.36 mm opening
AG-223 A	Sieve # 10	Mesh 2.00 mm opening
AG-224 A	Sieve # 12	Mesh 1.70 mm opening
AG-226 A	Sieve # 16	Mesh 1.18 mm opening
AG-228 A	Sieve # 20	Mesh 0.850 mm opening

AG-230 A	Sieve # 30	Mesh 0.600 mm opening
AG-232 A	Sieve # 40	Mesh 0.425 mm opening
AG-234 A	Sieve # 50	Mesh 0.300 mm opening
AG-235 A	Sieve # 60	Mesh 0.250 mm opening
AG-236 A	Sieve # 70	Mesh 0.212 mm opening
AG-237 A	Sieve # 80	Mesh 0.180 mm opening
AG-238 A	Sieve # 100	Mesh 0.150 mm opening
AG-239 A	Sieve # 120	Mesh 0.125 mm opening
AG-240 A	Sieve # 140	Mesh 0.106 mm opening
AG-241 A	Sieve # 170	Mesh 0.090 mm opening
AG-242 A	Sieve # 200	Mesh 0.075 mm opening
AG-250	Pand & Cover	

Dimension (l x w x h): 22 x 22 x 6.5 cm

Gross Weight: 0.75 kg

AGGREGAT EQUIPMENT

SIEVE SHAKER (AG-515)



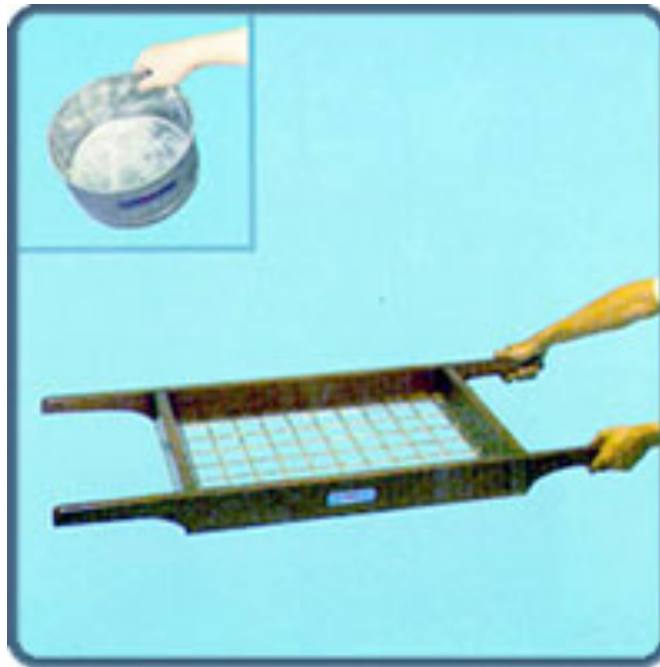
Electric, 220 V-AC, 200 Watt, steel base, cast aluminium pulley, 8" sieve dia., 8 sieve capacity, supplied without sieve/pan & cover.

Dimension (l x w x h): 50 x 50 x 100 cm

Gross Weight: 55 kg

AGGREGAT EQUIPMENT

WOODEN SIEVE



For determining grain size distribution of soil particles or sand / gravel.
Stainless steel frame 8" dia.

Type	Parts Name	Specification
AG-400 A	Wooden Sieve 4"	Mesh 101.6 opening
AG-401 A	Wooden Sieve 3 1/2"	Mesh 88.9 mm opening
AG-402 A	Wooden Sieve 3"	Mesh 76.2 mm opening
AG-403 A	Wooden Sieve 2 1/2"	Mesh 62.5 mm opening
AG-404 A	Wooden Sieve 2"	Mesh 50.8 mm opening
AG-405 A	Wooden Sieve 1 3/4"	Mesh 44.4 mm opening
AG-406 A	Wooden	Mesh 38.1 mm opening

	Sieve 1 1/2"	
AG-407 A	Wooden Sieve 1 1/4"	Mesh 31.7 mm opening
AG-408 A	Wooden Sieve 1"	Mesh 25.4 mm opening
AG-409 A	Wooden Sieve 7/8"	Mesh 22.2 mm opening
AG-410 A	Wooden Sieve 3/4"	Mesh 19.0 mm opening
AG-411 A	Wooden Sieve 5/8"	Mesh 15.8 mm opening
AG-412 A	Wooden Sieve 1/2"	Mesh 12.7 mm opening
AG-413 A	Wooden Sieve 7/16"	Mesh 11.1 mm opening
AG-414 A	Wooden Sieve 3/8"	Mesh 9.5 mm opening
AG-415 A	Wooden Sieve 5/16"	Mesh 7.9 mm opening
AG-416 A	Wooden Sieve 1/4"	Mesh 6.3 mm opening
AG-418 A	Wooden Sieve # 4	Mesh 4.75 mm opening

Dimension (l x w x h): 22 x 22 x 6.5 cm

Gross Weight: 0.75 kg

AGGREGAT EQUIPMENT

SAMPLE SPLITTER (AG-104)



For driving dry material such as gravel and sand.

Type	Parts Name	Specification
AG-100	Sample Splitter	Stainless steel, chute width 1/2", 12 holes, supplied complete with scoop and pans.
AG-101	Sample Splitter	Stainless steel, chute width 3/2", 12 holes, supplied complete with scoop and pans.
AG-102	Sample Splitter	Stainless steel, chute width 1", 12 holes, supplied complete with scoop and pans.
AG-103	Sample Splitter	Stainless steel, chute width 1-1/2", 8 holes, supplied complete with scoop and pans.
AG-104	Sample Splitter	Stainless steel, chute width 2", 8 holes, supplied complete with scoop and pans.
AG-105	Sample Splitter	Stainless steel, chute width 2-1/2", 8 holes, supplied complete with scoop and pans.
AG-106	Sample Splitter	Stainless steel, chute width 3", 8 holes, supplied complete with scoop and pans.

Dimension (l x w x h): 65 x 40 x 40 cm

Gross Weight: 15 kg

AGGREGAT EQUIPMENT

GILSON SAMPLE SPLITTER (AG-111)



Painted plate frame, aluminium chute, variable chute width, 1/2" increment (1/2", 1", 1 1/2", 2", etc), supplied with pans.

Dimension (l x w x h): 110 x 50 x 50 cm

Gross Weight: 65 kg

AGGREGAT EQUIPMENT

LENGTH GAUGE (AG-170)



AG-170
BS-812

For rapid measuring the length of aggregates. Hard wood base, steel base plate, distance: 89.0, 62.86, 39.9, 28.5, 20.1, 14.2 mm

Dimension (l x w x h): : 50 x 12 x 18 cm
Gross Weight: 5 kg

Also required, but not part of this set :

- GE-159 Dial O-Gram Balance
- GE-363 Mixing Bowl

AGGREGAT EQUIPMENT

THICKNESS GAUGE (AG-180)



AG-180 **BS-812**

For determining the flakiness index of coarse aggregate. Galvanized metal sheet, hole size 100 x 33.9, 90 x 26.3, 80 x 19.7, 60 x 14.4, 50 x 10.2, 40 x 7.2, 30 x 4.9

Dimension (l x w x h): 30 x 20 x 5 cm
Gross Weight: 3 kg

Also required, but not part of this set :

- GE-159 Dial O-Gram Balance
- GE-363 Mixing Bowl

AGGREGAT EQUIPMENT

SIEVE SHAKER (AG-515)



Electric, 220 V-AC, 200 Watt, steel base, cast aluminium pulley, 8" sieve dia., 8 sieve capacity, supplied without sieve/pan & cover.

Dimension (l x w x h): 50 x 50 x 100 cm
Gross Weight: 55 kg

AGGREGAT EQUIPMENT

SAND EQUIVALENT TEST SET (AG-600)



ASTM D-2419

AASHTO T-176

For indicating relative proportion of clay like material and fine dust in granular soil or graded aggregate.

Type	Parts Name	Specification	Qty
AG-601	Graduated Cylinder	Transparent fibre glass, 1 1/4" i.d, 1 1/2" o.d 17" height, with scale.	2 Pcs
AG-602	Stoper Assembly	Rubber Stoper, irrigation tube, hose, sypon.	1 Set
AG-603	Weight Foot Assembly	Machine steel, galvanized, 1000 gr weight, sand reading indicator.	1 Set
AG-604	Stock Solution	Calcium chloride, glyserin and formaldehyde solution. Supplied in a plastic container (1 ltr).	1 Btl
AG-605	Carrying Case	Wooden case with handle	1 Pc
GE-390	Thin Box	Alumunium 60 gr capacity	2 Pcs
GE-470	Funnel	Plastic, narrow mouth	1 Pc

Dimension (l x w x h): 70 x 50 x 20 cm

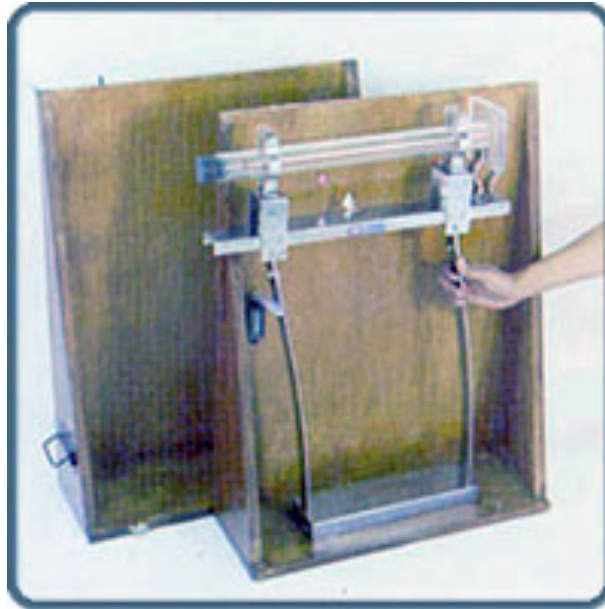
Gross Weight: 20 kg

Also Required, but not part of this set:

- AG-218A Sieve No. 4
- AG-250 Pan & Cover
- GE-747Rubber Gloves

AGGREGAT EQUIPMENT

SAND EQUIVALENT SHAKER (AG-610)



ASTM D-2419
AASHTO T-176

To give greater uniformity action, hand operated mounting bracket with cylinder holder, two spring steel straps, built in counter, wooden case. Supplied without graduated cylinder.

Dimension (l x w x h): 60 x 30 x 90 cm
Gross Weight: 20 kg

AGGREGAT EQUIPMENT

BOTTLE ROLLER (AG-621)



BS-812
ASTM C-117

Electric, 220 V, 100 Watt, 50 Hz, 1 Phase, 80 RPM. Supplied complete with 1 kg capacity glass jar.

Dimension (l x w x h): 60 x 30 x 90 cm
Gross Weight: 20 kg

AGGREGAT EQUIPMENT

LOS ANGELES ABRASSION MACHINE (AG-700)



ASTM C-131

AASHTO T-96

For measuring degradation of mineral aggregates from abrasion, impact and grinding.

Type	Parts Name	Specification	Qty
AG-701	Los Angeles Abrasion Machine		1 Set
	Frame	Welded steel frame, 8 and 12 cm (steel profile) 1/2" thick steel plate	
	Drum	28" inner diameter 20" inner width	
	Automatic Counter	Digital, module system for easy maintenance Panel button: ON-OFF-RUN-STOP-JOG-RESET- 500-1000	
	Power	Electromotor, dual voltage 110-220 V, 750 Watt, 1 Phase, Heavy duty speed reducer.	
	Drum Speed	30-33 RPM	
AG-702	Steel Ball	Steel 1 7/8" diameter	12 Pcs

AG-703

**Catching
Pan**

Galvanized steel

1 Pc

Dimension (l x w x h): 120 x 100 x 150 cm

Gross Weight: 450 kg

Also Required, but not part of this set:

- AG-224A Sieve No. 12
- GE-157 Heavy Duty Solution Balance
- GE-174 Drying Oven
- GE-363 Mixing Bowl
- GE-801 Round Scoop

AGGREGAT EQUIPMENT

AGGREGATE IMPACT TEST (AG-750)



BS-812

For determining the aggregate impact value and resistance of aggregate to sudden shock or impact.

Type	Parts Name	Specification	Qty
AG-751	Impact Machine	Heavy duty construction, safety locking bar, built in counter	1 Set
AG-752	Cylindrical Measure	Machine steel, 75 mm dia., 50 mm deep.	1 Pc
AG-753	Tamping Rod	Galvanized steel, 3/8" dia., 8" length	2 Pcs

Dimension (l x w x h): 50 x 30 x 90 cm

Gross Weight: 80 kg

Also Required, but not part of this set:

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• AG-212A Sieve 1/2"• AG-214A Sieve 3/8"• AG-222A Sieve No. 8• AG-250 Pan & Cover | <ul style="list-style-type: none">• GE-152 Triple Beam Balance• GE-174 Oven• GE-363 Mixing Bowl• GE-922 Soft Brush |
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AGGREGAT EQUIPMENT

AGGREGATE CRUSHING VALUE APPARATUS (AG-760)



BS-812

For determining the crushing properties of bulk aggregate applying 400 kN load over a period of 10 minutes.

Type	Parts Name	Specification	Qty
AG-761	Cylinder	Machine steel, 154 mm dia.	1 Pc
AG-762	Plunger	Machine steel	1 Pc
AG-763	Base Plate	Machine steel	1 Pc
AG-764	Metal Measure	115 mm dia., 180 mm deep.	1 Pc
AG-765	Tamping Rod	Galvanized steel, 16 mm dia., 500 mm length, hemispherical at both ends.	1 Pc

Dimension (l x w x h): 30 x 30 x 55 cm

Gross Weight: 30 kg

AGGREGAT EQUIPMENT

BULK DENSITY TEST SET (AG-800)



ASTM C-29

AASHTO T-19

For determining bulk density of fine, coarse or mix aggregate.

Type	Parts Name	Specification	Qty
CO-410	Vibrating Table	Variable speed up to 3600 rpm, separate control box, 50 x 50 cm table.	1 Set
AG-801	Container	Machined steel, galvanized, 3 ltr capacity.	1 Pc
AG-802	Container	Machined steel, galvanized, 10 ltr capacity.	1 Pc
AG-803	Container	Machined steel, galvanized, 15 ltr capacity.	1 Pc
AG-8041	Container	Machined steel, galvanized, 30 ltr capacity.	1 Pc

Dimension (l x w x h): 60 x 60 x 100 cm

Gross Weight: 150 kg

Also Required, but not part of this set:

- GE-159 Platform Scale
- GE-801 Scoop
- GE-891 Straight Edge
- GE-900 Rubber Mallet
- GE-930 Tamping Rod

AGGREGAT EQUIPMENT

ABSORPTION OF FINE AGGREGATE TEST SET (AG-810A)



ASTM C-128

AASHTO T-84

For determining the water absorption of fine aggregate at saturated surface dry.

Type	Parts Name	Specification	Qty
AG-811	Cone and Tamper		
Consist of :			
AG-811.1	Cone	Brass, 40 mm i.d at the top, 90 mm i.d at the bottom, 75 mm height.	1 Pc
AG-811.2	Tamper	Machine steel, galvanized, 340 gr weight, 25 mm dia.	1 Pc
GE-363	Mixing Bowl	Stainless steel, 25 cm dia.	1 Pc
GE-396	Glass Plate	10 mm thick, 30 x 30 cm	1 Pc
GE-412	Velometric Flask	500 ml capacity	1 Pc
GE-820	Spatula	Plastic handle	1 Pc

Dimension (l x w x h): 40 x 40 x 30 cm

Gross Weight: 7 kg

Also Required, but not part of this set:

- AG-100 Sample Splitter
- AG-232A Sieve No. 40
- AG-250 Pan & Cover
- GE-152 Triple Beam Balance
- GE-174 Drying Oven
- GE-521 Wash Bottle
- GE-530 Pipette
- GE-747 Rubber Gloves
- GE-750 Quartering Canvas
- GE-800 Scoop
- GE-922 Soft Brush

AGGREGAT EQUIPMENT

SPECIFIC GRAVITY & ABSORPTION OF COARSE AGGREGATE (AG-825)



ASTM C-127

AASHTO T-85

For determining specific gravity and water absorption of coarse aggregate.

Type	Parts Name	Specification	Qty
AG-825	Dunagan Balance		
Consist of :			
AG-826.1	Mounting Table	Welded steel table, elevated container support.	1 Set
AG-826.2	Water Container	Galvanized container, 20 ltr capacity.	1 Pc
GE-157	Heavy Duty Solution Balance	20 kg capacity, 1 gr sensitivity supplied complete with weights.	1 Set
AG-822	Sample Basket	# 8 mesh, 200 mm dia., 200 mm height.	1 Pc

Dimension (l x w x h): 85 x 50 x 130 cm

Gross Weight: 60 kg

Also Required, but not part of this set:

- AG-105 Sample Splitter
- GE-174 Drying Oven
- GE-303 Square Pan
- GE-750 Quartering Canvas
- GE-801 Scoop

AGGREGAT EQUIPMENT

SPECIFIC GRAVITY & ABSORPTION OF COARSE AGGREGATE (AG-830)



ASTM C-127

AASHTO T-85

For determining specific gravity and water absorption of coarse aggregate.

Type	Parts Name	Specification	Qty
AG-831	Dunagan Balance		
Consist of :			
AG-831.1	Mounting Table	Welded steel table, elevated container support.	1 Set
AG-831.2	Water Container	Galvanized container, 20 ltr capacity.	1 Pc
GE-157	Balance	Digital balance, 220 V, 6100 gr x 0.1 gr capacity.	1 Pc
AG-822	Sample Basket	# 8 mesh, 200 mm dia., 200 mm height.	1 Pc

Dimension (l x w x h): 85 x 50 x 120 cm

Gross Weight: 50 kg

Also Required, but not part of this set:

- AG-105 Sample Splitter
- GE-174 Drying Oven
- GE-303 Square Pan
- GE-750 Quartering Canvas
- GE-801 Scoop

AGGREGAT EQUIPMENT

ORGANIC IMPURITIES TEST SET (AG-910)



ASTM C-40

AASHTO T-21

For an approximate determination of organic compound in sand.

Type	Parts Name	Specification	Qty
AG-911	Glass Bottle	350 ml cap., graduated glass with stoper	1 Pc
AG-912	Stock Solution Standard	Sodium hydroxide solution (NaOH), 1 litre	1 Btl
AG-913	Colour Chart	5 Standard colour	1 Pc

Dimension (l x w x h): 25 x 25 x 25 cm

Gross Weight: 8 kg

Also Required, but not part of this set:

- AG-100 Sample Splitter
- GE-750 Quartering Canvas

SOUNDNESS TEST SET (AG-920)



ASTM C-88

AASHTO T-104

For determining aggregate resistance to desintegration by saturated solution of sodium sulfate or magnesium sulfate.

Type	Parts Name	Specification	Qty
AG-921	Stock Solution	Sodium sulphate solution (Na_2SO_4), 1 litre	1 Btl
GE-363	Mixing Bowl	Stainless steel, 24 cm dia.	1 Pc
GE-424	Breaker Glass	1000 ml capacity	1 Pc
GE-600	Thermometer	Glass, 0 - 100°	1 Pc

Dimension (l x w x h): 80 x 50 x 40 cm

Gross Weight: 8 kg

Also Required, but not part of this set:

- AG-214A Sieve 3/8"
- AG-234A Sieve No. 50
- AG-250 Pan & Cover
- GE-152 Triple Beam Balance
- GE-174 Drying Oven
- GE-200 Water Bath
- GE-530 Pipette
- GE-747 Rubber Gloves