

SIEVE ANALYSIS & MOTORISED SIEVE SHAKER

BE 22

The description outlines the importance of soil particle size analysis in engineering, aiding in applications like frost action assessment, filter design, grouting material selection, and concrete mix design. Coarse soils (gravel and sand) are analyzed using sieving, while finer soils require sedimentation procedures. For mixed soils, both methods are combined. BALAJI offers equipment for these analyses, though specific equipment details are not provided.

If you need information on BALAJI's equipment range, their suitability for specific tests, or further details on sieving/sedimentation procedures, please clarify or provide additional context. I can also search for real-time information on BALAJI's offerings if needed.

STANDARD FOLLOWING

IS 2720 (Part 4), ASTM D 422, AASHTO T 88, BS 1377

DESCRIPTION

BE 22-01	Sieves,	GI Frame of 450 mm diameter
BE 22-02	Sieves,	GI Frame of 300 mm diameter
BE 22-03	Sieves,	Brass Frame of 200 mm diameter
BE 22-04	Sieve Shaker	Single type
BE 22-04-1	Sieve Shaker	Universal type (200,300,450 mm)

GI SIEVE SIZE FOR 300 MM & 450 MM

SIZE IN MM	BE 22-01 (450 MM)	BE 22-02 (300 MM)
125	BE 22-01-A	BE 22-02-A
106	BE 22-01-B	BE 22-02-B
90	BE 22-01-C	BE 22-02-C
75	BE 22-01-D	BE 22-02-D
63	BE 22-01-E	BE 22-02-E
53	BE 22-01-F	BE 22-02-F
45	BE 22-01-G	BE 22-02-G
37.5	BE 22-01-H	BE 22-02-H
31.5	BE 22-01-I	BE 22-02-I
26.5	BE 22-01-J	BE 22-02-J
22.4	BE 22-01-K	BE 22-02-K
19	BE 22-01-L	BE 22-02-L
16	BE 22-01-M	BE 22-02-M
13.2	BE 22-01-N	BE 22-02-N
11.2	BE 22-01-O	BE 22-02-O
9.5	BE 22-01-P	BE 22-02-P
8.0	BE 22-01-Q	BE 22-02-Q
6.3	BE 22-01-R	BE 22-02-R
5.0	BE 22-01-S	BE 22-02-S
4.75	BE 22-01-T	BE 22-02-T
Pan & Cover	BE 22-01-U	BE 22-02-U

90 micron	BE 22-03-Y
75 micron	BE 22-03-Z
63 micron	BE 22-03-AA
53 micron	BE 22-03-AB
45 micron	BE 22-03-AC
38 micron	BE 22-03-AD
PAN & COVER	BE 22-03-AE



SIEVE SHAKER

BE 22-04/22-04-1

Electrically operated mechanical Sieve Shakers streamline dry sieving, offering a standardized, efficient process that minimizes errors compared to manual sieving. With over 40 years of design improvements, these shakers are compact, lightweight, and bench-mountable, eliminating the need for a concrete foundation. They feature reduced noise levels and a digital timer adjustable from 0-99 minutes. Widely used in industries like soil testing, ores, refractories, aggregates, pigments, coal, cement, roofing materials, plastics, and pharmaceuticals, they can handle up to 8 sieves. Powered by a ½ HP geared motor, the shaker combines gyratory and tapping motions, with the table inclined from the vertical axis and direction changing clockwise. They operate on 220 V, single-phase AC.

Its shaker's two types, one type is single size fixed sieve and second type universal type means 200,300,450 mm fixed sieve.

BRASS SIEVE SIZE FOR 200 MM

BRASS SIEVE SIZE	BE 22-03 (200 MM)
5.60 MM	BE 22-03-A
4.75 MM	BE 22-03-B
4.0 MM	BE 22-03-C
3.35 MM	BE 22-03-D
2.80 MM	BE 22-03-E
2.36 MM	BE 22-03-F
2.0 MM	BE 22-03-G
1.70 MM	BE 22-03-H
1.40 MM	BE 22-03-I
1.18 MM	BE 22-03-J
1.0 MM	BE 22-03-K
850 micron	BE 22-03-L
710 micron	BE 22-03-M
600 micron	BE 22-03-N
500 micron	BE 22-03-O
425 micron	BE 22-03-P
355 micron	BE 22-03-Q
300 micron	BE 22-03-R
250 micron	BE 22-03-S
212 micron	BE 22-03-T
180 micron	BE 22-03-U
150 micron	BE 22-03-V
125 micron	BE 22-03-W
106 micron	BE 22-03-X

