

HIGH-CAPACITY SCREEN SHAKER with HYDRAULIC CLAMPING

Code : G043



- The High-Capacity Screen Shaker with Hydraulic Clamping is engineered for precise determination of particle size distribution in fine and coarse materials, including aggregates and soils. It is particularly effective for larger particles such as crushed aggregates, pellets, coke, coal, slag, and ores, ensuring compliance with specification requirements and aiding in the control of aggregate product production.
- Featuring a robust structure and an eccentric motor, the shaker provides hammer-effect sieving, allowing materials to pass through sieves without clogging.
- The hydraulic clamping system facilitates easy and firm locking of up to six sieve trays, each measuring 457 x 660 mm, accommodating a material capacity of approximately 1 cubic foot (about 65 kg or 30 liters).
- An optional noise reduction and safety cabinet (G043P001H) is available to enhance laboratory safety and comfort by reducing operational noise levels.

STANDARDS

ASTM C136 • EN 932-5

TECHNICAL SPECIFICATIONS

- Material Capacity: 1 ft³ (~65 kg of aggregate)
- Sieve Tray Capacity: Up to 6 trays (457 x 660 mm)
- Drive Mechanism: Eccentric motor providing hammer-effect sieving
- Sieve trays and pan should be ordered separately
- Power Supply: 220–240 V, 50–60 Hz

EQUIPPED WITH

- Hydraulic clamping system for secure and efficient tray locking

ACCESSORIES

- Noise Reduction Cabinet can be ordered separately
- Sieve trays and pan (to be ordered separately)
- PC Software (ALFA Utilities - Particle Size Analysis):
 - Draw Particle Size Distribution Curve
 - Coefficient of Uniformity (Cu) and Coefficient of Curvature (Cc) which can be directly used in Soil Classification
 - Plot Upper and Lower limits for the curve
 - Unlimited Save / Recall Old Curve Data
 - Export Data to PDF, Image, CSV, Excel, Text File

- ALFA Cloud ® Compatible
- ALFA Cloud ® Subscription

ORDERING INFORMATION

Item	Code
HIGH CAPACITY SCREEN SHAKER (Hydraulic Clamping System)	G043X00XU
NOISE-REDUCTION and SAFETY CABINET for G043	G043P001H
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.063 mm (No.230)	S6W00063Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.075 mm (No.200)	S6W00075Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.080 mm	S6W00080Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.090 mm (No.170)	S6W00090Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.100 mm	S6W00100Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.106 mm (No.140)	S6W00106Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.125 mm (No.120)	S6W00125Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.150 mm (No.100)	S6W00150Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.160 mm	S6W00160Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.180 mm (No.80)	S6W00180Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.200 mm	S6W00200Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.212 mm (No.70)	S6W00212Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.250 mm (No.60)	S6W00250Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.300 mm (No.50)	S6W00300Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.315 mm	S6W00315Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.355 mm (No.45)	S6W00355Y

SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.400 mm	S6W00400Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.425 mm (No.40)	S6W00425Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.500 mm (No.35)	S6W00500Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.600 mm (No.30)	S6W00600Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.630 mm	S6W00630Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.710 mm (No.25)	S6W00710Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.800 mm	S6W00800Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 0.850 mm (No.20)	S6W00850Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 1.00 mm (No.18)	S6W01000Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 1.18 mm (No.16)	S6W01180Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 1.25 mm	S6W01250Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 1.40 mm (No.14)	S6W01400Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 1.60 mm	S6W01600Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 1.70 mm (No.12)	S6W01700Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 2.00 mm (No.10)	S6W02000Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 2.36 mm (No.8)	S6W02360Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 2.50 mm	S6W02500Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 2.80 mm	S6W02800Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 3.15 mm	S6W03150Y
SIEVE TRAY (Woven Wire), 457 mm x 660 mm , 3.35 mm (No.6)	S6W03350Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 4.00 mm (No.5)	S6P04000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 4.75 mm (No.4)	S6P04750Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 5.00 mm	S6P05000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 5.60 mm (No.3 1/2)	S6P05600Y

SIEVE TRAY (Perforated), 457 mm x 660 mm , 6.30 mm (1/4")	S6P06300Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 6.70 mm (.265")	S6P06700Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 7.10 mm	S6P07100Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 8.00 mm (5/16")	S6P08000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 9.00 mm	S6P09000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 9.50 mm (3/8")	S6P09500Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 10.00 mm	S6P10000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 11.20 mm (7/16")	S6P11200Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 12.50 mm (1/2")	S6P12500Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 13.20 mm (.530")	S6P13200Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 14.00 mm	S6P14000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 16.00 mm (5/8")	S6P16000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 18.00 mm	S6P18000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 19.00 mm (3/4")	S6P19000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 20.00 mm	S6P20000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 22.40 mm (7/8")	S6P22400Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 25.00 mm (1")	S6P25000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 26.50 mm (1.06")	S6P26500Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 28.00 mm	S6P28000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 31.50 mm (1 1/4")	S6P31500Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 37.50 mm (1 1/2")	S6P37500Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 40.00 mm	S6P40000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 45.00 mm (1 3/4")	S6P45000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 50.00 mm (2")	S6P50000Y

SIEVE TRAY (Perforated), 457 mm x 660 mm , 53.00 mm (2.12")	S6P53000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 56.00 mm	S6P56000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 63.00 mm (2 1/2")	S6P63000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 75.00 mm (3")	S6P75000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 80.00 mm	S6P80000Y
SIEVE TRAY (Perforated), 457 mm x 660 mm , 90.00 mm (3 1/2")	S6P90000Y

OTHER PHOTOS

