



AGGREGATE

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Humboldt Sample Splitter Specifications

Model	Material Size (max.)	Chutes Number	Width	Hopper L x W inches (mm)	Pans (incl.)	Ship wt. lbs. (kg)	Steel Pan		Stainless Steel Pan		
							Pan Model #	L x W x H" (mm)	Pan Model #	L x W x H" (mm)	
One-Piece Construction Sample Splitters							Replacement Pans for Sample Splitters				
H-3962A	0.25" (6.3mm)	14	.375" (9.52mm)	8" x 6.75" (203 x 171mm)	2	2 lb (0.91 kg)	H-3981	8.0" x 5.25" x 4.25" (133 x 203 x 108mm)	H-3981S	6.5" x 5.875" x 4.5" (165 x 149 x 114mm)	
H-3964A	0.33" (8.4mm)	14	.500" (12.7mm)	11" x 6.75" (279 x 171mm)	2	2.7 lb (1.2 kg)	H-3986	5.5" x 10.5" x 4.5" (140 x 267 x 114mm)	H-3986S	11.25" x 6.5" x 5.5" (286 x 165 x 140mm)	
H-3966A	0.50" (12.7mm)	14	.750" (19mm)	14.75" x 6.75" (375 x 171mm)	2	3 lb (1.4 kg)	NA	NA	H-3967S	13.25" x 5.125" x 6.625" (337 x 130 x 168mm)	
H-3987A	0.66" (16.9mm)	16	1.00" (25.4mm)	20" x 9" (508 x 229mm)	2	5.9 lb (2.68 kg)	H-3988	6.375" x 19" x 4.875" (162 x 483 x 124mm)	H-3988AS	16.375" x 6.5" x 5.25" (416 x 165 x 133mm)	
H-3989A	1.33" (33.8mm)	8	2.00" (50.8mm)	19.5" x 9.5" (495 x 241mm)	2	5.9 lb (2.68 kg)	H-3988	6.375" x 19" x 4.875" (162 x 483 x 124mm)	H-3988AS	16.375" x 6.5" x 5.25" (416 x 165 x 133mm)	
H-3990A	1.00" (25.4mm)	10	1.50" (38.1mm)	20" x 9" (508 x 229mm)	2	5.9 lb (2.68 kg)	H-3988	6.375" x 19" x 4.875" (162 x 483 x 124mm)	H-3988AS	16.375" x 6.5" x 5.25" (416 x 165 x 133mm)	
H-3992A	1.67" (42.3mm)	8	2.50" (63.5mm)	24" x 9" (610 x 229mm)	2	4.5 lb (2.04 kg)	NA	NA	H-3993S	22" x 5.125" x 6.75" (559 x 130 x 171mm)	
Removable Hopper Sample Splitters											
H-3980A	0.33" (8.4mm)	12	.500" (12.7mm)	11" x 8.5" (279 x 216mm)	2	2 lb (0.91 kg)	H-3981	5.25" x 8.0" x 4.25" (133 x 203 x 108mm)	H-3981S	6.5" x 5.875" x 4.5" (165 x 149 x 114mm)	
H-3985A	0.50" (12.7mm)	12	.75" (19mm)	14" x 8.5" (356 x 216mm)	2	2.7 lb (1.2 kg)	H-3986	5.5" x 10.5" x 4.5" (140 x 267 x 114mm)	H-3986S	11.125 x 6.5 x 5.5" (283 x 165 x 140mm)	
Enclosed Sample Splitters											
H-3970	0.25" (6.3mm)	14	.375" (9.52mm)	8" x 6.5" (203 x 165mm)	2	2.1 lb (.10 kg)	NA	NA	H-3977S	7" x 5.75" x 3.75" (178 x 146 x 95mm)	
H-3975	0.25" (6.3mm)	24	.375" (9.52mm)	11" x 4.5" (279 x 114mm)	2	5.5 lb (2.50 kg)	NA	NA	H-3976S	11.875" x 5" x 6.125" (302 x 127 x 156mm)	



H-3971C



H-3973



H-3974

Micro and Precision Splitter Specifications

Chutes Number	Chutes Width in. (mm)	Hopper Size L x W— inches (mm)	Hopper Volume cu.inch (mm)	Pans (furnished)	Pan Capacity cu. inch (mm)	Ship wt. lbs. (kg)	Model	Pan
32	.25" (6.4)	8.9" x 8.3" (226 x 211mm)	160	2	160	15 lbs (10.4 Kg)	H-3973	H-3973.1
22	.375" (9.5)	8.5" x 7.0" (216 x 178mm)	100	2	100	15 lbs (10.4 Kg)	H-3978	H-3973.1
16	.5" (13)	8.8" x 8.0" (224 x 203mm)	150	2	150	13 lbs (9.5 Kg)	H-3974	H-3973.1



H-3994

Humboldt Sample Splitters (See Previous Page)

ASTM B215, C136, C702, C778, D421, D424, D457, D806, AASHTO T27, T144, T248

Riffle-type sample splitters divide or halve dry materials such as cement, gravel, powdered ores, coal, coke, sand, soils, etc. Material poured into the hopper is divided into two equal portions by a series of chutes that discharge the material alternately in opposite directions into separate pans. Humboldt splitters are stainless steel. Pans are either stainless or cold-rolled steel. See chart to the left for quantity and construction of pans included. Also refer to the chart for ordering replacement or extra pans. All splitters include pans, scoop and cleaning brush. See chart for product details on specific models.

Humboldt, Riffle-Type Sample Splitters for Material from 0.25" to 0.50"

For rapid, single-step reduction of small-size material samples— ideal for field applications. See models: H-3962A, H-3964A, H-3966A.

Humboldt, Riffle-Type Sample Splitters for Material from 0.66" to 1.67"

For rapid, single-step reduction of large-size material samples— ideal for field applications. See models: H-3987A, H-3989A, H-3990A, H-3992A.

Humboldt, Riffle-Type Sample Splitters with Removable Hoppers

For rapid, single-step reduction of large-size material samples— ideal for field applications. See models: H-3980A, H-3985A.

Humboldt, Riffle-Type Sample Splitters with Enclosed Design

Enclosed sample splitters are ideal for dusty samples, including coal, coke and chaff. See models: H-3970 and H-3975.

Micro and Precision Riffle Splitters & Pans

Micro and precision riffle splitters (Jones Type) are designed to reduce bulk material into a convenient representative sample for laboratory analysis. A hopper, with a manual control gate, receives the material to be split, then upon opening the gate, the material flows through a series of equally divided compartments or chutes, sending 50% of the sample to the left-side pan and 50% of the sample to the right-side pan. These splitters consist of a stainless steel hopper with a manually actuated flow gate, stainless steel and anodized aluminum riffle bank, and stainless steel frame with support legs. Two (2) stainless steel high-back (notched L-shape) pans are supplied with the H-3971C micro splitter and two (2) aluminum sample pans are supplied with the H-3973, H-3974 and H-3978 precision splitters.

Micro & Precision Splitters see chart

16-1 Sample Reducer H-3994

ASTM C136, C702, C778, D75; AASHTO T27, T248

The Sample reducer is used to cut a 1/16th representative sample of a larger material sample by eliminating parts of the sample as it flows down an adjustable 45° or 60° incline. The adjustable 0.25ft³ (7.1L) hopper can be used in batch mode or left open when larger samples are needed.

Produces a 10-lb., or greater, representative sample with a maximum particle size of .5" (13mm).

Reducer cuts out 1/16th of the material fed through the unit in one pass. (A one-pound sample can be obtained from a 256-pound original sample by passing it through twice). Overall dimensions are: 27" x 18" x 36" (686 x 457 x 914mm).

Unit is supplied without sample containers. Order containers below.

16-1 Sample Reducer H-3994

Shipping wt. 29.3 lbs (13kg)

Container Set for 16-1 Sample Reducer

Container set includes heavy, painted steel "reject" pan that measures: 22" x 13" x 11" (559 x 330 x 279mm) and a lightweight 12 qt. (11L) polyethylene sample container, 10" dia. x 11.5"H (254 x 292mm) with lid.

Container Set for 16-1 Sample Reducer H-3996S

Shipping wt. 12 lbs (5.4kg)

Quartering Canvas

ASTM C702; AASHTO T248

Heavy-duty quartering canvas for use in selecting and quartering soils and aggregates. All edges are seamed and stitched. H-4135 does not comply with ASTM or AASHTO specs.

6' x 8' (2m x 2.4m) ASTM Canvas H-4136

5' x 5' (1.5m) Square Canvas H-4135

Shipping wt. 4.5 lbs (2kg)



H-4135





H-4393

H-4288
H-4288FC

H-4289



H-4290

Sample Splitter Specifications

Model	Gilson #	Maximum Particle Size in. (mm)	Hopper Capacity ft ³ (L)	Chute Bar Size in. (mm)	Chute Bar Quantity	Chute Slope	Dimensions L x W x H inches (mm)	Pans Replacements
H-4393	SP-0	6 (152)	3.5 (99.1)	1 (25)	48	60°	56 x 26 x 41 (1422 x 660 x 1041)	H-4393.2
H-4288	SP-1	4 (102)	1 (28.3)	0.5" (13)	48	45°	29 x 19 x 39 (737 x 483 x 991)	H-4288.2
H-4288FC	SP-1C	4 (102)	1 (28.3)	0.5" (13)	10 Fixed	45°	29 x 19 x 39 (737 x 483 x 991)	H-4288.2
H-4289	SP-2	2 (51)	0.55 (15.6)	0.5" (13)	36	45°	22 x 14.5 x 20.5 (559 x 368 x 521)	H-4289.1
H-4290	SP-2.5	0.75 (19)	0.28 (7.9)	0.25" (6)	48	60°	15.5 x 12.5 x 17.5 (394 x 318 x 445)	H-4290.1
H-4291	SP-3	0.25 (6)	0.06 (1.7)	0.125" (3)	48	60°	9.5 x 8.5 x 13.5 (214 x 216 x 343)	H-4291.1
H-4293	SP-10	0.25 (6)	0.06 (1.7)	0.125" (3)	48	60°	29 x 19 x 39 (737 x 483 x 991)	H-4288.2

Universal Splitter

ASTM C136, C702, C778, D75; AASHTO T27, T248
The H-4393 universal splitter is built for large-volume bulk aggregate or raw coal samples. Other large samples with particle sizes up to 6" (152mm) can be accurately reduced with this rugged divider. Each split is evenly distributed to two pans on each side of the splitter. All four pans are included. The H-4393.1 lift cart is recommended for handling fully-loaded pans.

Universal Splitter

H-4393

Shipping wt. 68 lbs (31kg)

Universal Sample Splitter

ASTM C136, C702, C778, D75; AASHTO T27, T248
The universal sample splitter is a rugged, large-capacity floor model for laboratory or field use with materials with particle sizes up to 4" (102mm). The convenient size and a wide range of available accessories make the H-4288 a very versatile splitter. See next page for accessories.

Universal-Sample Splitter

H-4288

Shipping wt. 135 lbs (75kg)

Universal, Fixed Chute Sample Splitter

ASTM C136, C702, C778, D75; AASHTO T27, T248
Fixed chute version of the H-4288 universal sample splitter. Features ten, 2.25" (57mm) fixed-width chutes. Includes gate release 1 ft³ (28.3L) hopper. Includes 2 pans. See chart for more information.

Universal-Sample Splitter

H-4288FC

Shipping wt. 136 lbs (75kg)

Universal Splitter

ASTM C136, C702, C778, D75; AASHTO T27, T248
The H-4289 universal splitter is compact and more durable than conventional portable splitters. Lightweight with ample hopper capacity of 0.55 ft³ (15.6 liters) for materials up to 1.5" (38.1mm). It is convenient to use in floor or bench-top positions. This splitter provides accurate, representative samples of a wide range of materials.

Porta-Splitter

H-4289

Shipping wt. 66 lbs (31kg)

Versa-Splitter

ASTM C136, C702, C778, D75; AASHTO T27, T248
The Versa-Splitter can be used for fine aggregates up to .75" (19mm) aggregate. Contact parts and pans are stainless steel except for aluminum chute bars, which are anodized for corrosion resistance. Includes 2 pans. See chart for more information.

Versa-Splitter

H-4290

Shipping wt. 40 lbs (18kg)

Sample Splitter Chute Specifications

Number of Chutes (openings)	Model	Chute Width - Inches										
		.125	.25	.375	.5	.75	1	1.5	2	3	4	6
H-4291	48	24	16	12	8	6	4	-	-	-	-	-
H-4290	-	48	-	24	16	12	8	6	4	-	-	-
H-4289	-	-	-	36	-	18	12	-	6	-	-	-
H-4288	-	-	-	48	-	24	16	12	8	6	4	-
H-4293	-	-	-	48	-	24	16	12	8	6	4	-



H-4291



H-4293



H-4287



H-4394

Mini-Splitter

ASTM C136, C702, C778, D75; AASHTO T27, T248
The smallest of the bench-top units is all stainless steel except for aluminum chute bars and pans. Can be used to split powders to .25" (6.4mm) aggregate. The 103.7ⁱⁿ³ (1.7L) hopper has a .375" (9.5mm) bottom opening with a spring-loaded gate release. Includes 2 pans. See chart for more information.

Mini-Splitter **H-4291**
Shipping wt. 12 lbs (7kg)

Totally Enclosed Splitter

ASTM C136, C702, C778, D75; AASHTO T27, T248
A totally enclosed version of the H-4288 universal splitter. Hinged doors provide access to hopper and pans while keeping dust to a minimum. Unlike other enclosed splitter designs, the H-4293 is designed so that all splitting operations are done in the enclosed splitter, including initial dumping of the sample pan. Bottom pans are also enclosed.

Totally Enclosed Splitter **H-4293**
Shipping wt. 370 lbs (168kg)

Lift Cart Accessory for H-4393

Recommended lift cart for handling fully-loaded pans.

Lift Cart Accessory **H-4393.1**
Shipping wt. 15 lbs (6.8kg)

Dust Enclosures

Optional dust enclosure accessory consists of two stainless steel panels held to front and back of the unit by springs.

Dust Enclosure for H-4288 **H-4288.7**
Dust Enclosure for H-4290 **H-4290.5**
Dust Enclosure for H-4291 **H-4291.5**
Shipping wt. 20 lbs (6.8kg)

Bag Loading Chute Attachment

Replaces one pan to permit direct loading of material into a bag or container.

Bag Loading Chute for H-4288 **H-4288.3**
Shipping wt. 6 lbs (2.7kg)

Fixed Chute Accessory

Converts H-4288 into a fixed-chute splitter with ten, 2.25" (57mm) fixed-width chutes.

Fixed Chute Accessory **H-4288.8**
Shipping wt. 15 lbs (6.8kg)

Porta Wheels for H-4288

Set of two wheels.

Porta Wheels for H-4288 **H-4288.1**
Shipping wt. 4 lbs (1.8kg)

California Sample Splitter

CalTrans C201

Designed and constructed for the California Department of Transportation. For use with 1.125" (28.6mm) to sand-sized aggregate. Large capacity, 1.9 Cu. Ft. (53.8L) gate release hopper. Ten 2.25" (57.2mm) fixed chutes process particle sizes up to 1.125" (28.6mm). Sturdy, heavy-gauge steel frame with painted and baked finish is built for extended service life under heavy use. Four swivel casters permit mobility and easy storage in busy, crowded labs. Two 1.2 cu. ft. (34L) capacity, welded-steel sample pans are included. Reinforced pans have sturdy handles at each end for safe and convenient handling of heavy samples. Overall dimensions: 29" x 28" x 46" (737 x 711 x 1168mm).

California Sample Splitter, steel pans **H-4287**
California Splitter, aluminum pans **H-4287.AL**
Shipping wt. 244 lbs (111kg)

California Sample Pans

Sample pans for California sample splitter.

Steel Pan **H-4287.1**
Aluminum Pan **H-4287.2**
Shipping wt. 20 lbs (9kg)

Quadri-Splitter

ASTM C702, D346, D2013, E276, E389, E877

The H-4394 Quadri-Splitter efficiently divides free-flowing material into four representative fractions in a single pass. The totally enclosed design controls dust and reduces moisture loss, while sample loss is minimized by fewer passes and less handling. Units yield four representative samples for a total sample capacity of 1.6ft³ (45.3L). The unique tilt-feeding mechanism lifts and rotates the removable feed pan to the hopper opening where it seals to the hopper inlet as the material is dumped. Sample pans are sealed to splitter body, yet easily slide out. Hinged doors on both sides of the body allow inspection and cleaning of chute sections.

The three chute decks each have fourteen chutes of 1" (25.4mm) width and 60° slope for smooth sample flow, making the H-4394 ideal for coal and coke testing. One pass yields four 1/4 fractions, each of which can be split again if needed to reduce bulk samples to amounts required for lab tests. Three passes will yield a 1/64 sample that is still representative of the whole. H-4394 Quadri-Splitters have all quality stainless steel contact parts (chutes and pans). Other parts are heavy gauge galvanized steel, spot welded, riveted and painted for long life and durability.

Quadri-Splitter **H-4394**
Shipping wt. 330 lbs (150kg)



H-4283A

H-4273B

H-4283SE

Testing Screens

ASTM E11; ISO 565

Testing screens are ideal for particle size determinations on large samples of aggregate, slag, ores, and many other coarse materials. Batch sizes up to one cubic foot (0.028m³) or more can be processed into six fractions in as little as three to five minutes, depending on material type. Vibration and amplitude characteristics are fixed at optimum settings for mineral aggregates in the 4" (101mm) to No.4 (4.75mm) size range, but options and accessories are available to optimize machine performance when testing finer samples or special materials. The standard testing screen can be used to process material all the way down to No.200 (75µm) if less efficient separations are acceptable.

These testing screens are available in two variations of clamping mechanism: a manually-operated, screw-type clamping handle, which is more economical, but slightly more labor-intensive for continuous use; and, a quick-acting hydraulic pump system used to clamp the screen trays in place. Trays are quickly secured and released using the same single handle. This more efficient model is recommended for labs with a steady workload of particle size testing.

Both models use an enclosed drive mechanism for added safety. The powerful 1/2hp capacitor-type motor is operated through a starting switch with built-in overload protection. Testing screens are designed to be mounted to a solid, rigid floor system. Securing with anchor bolts to a concrete floor is recommended. Dimensions for anchor bolt placement are available upon request. Overall Dimensions: 23" x 31" x 43" (584 x 787 x 1,092mm), W x D x H.

Testing screens are sold without screen trays or dust pans, which need to be purchased separately for operation. Specify sizes when ordering. In both models, the dust pan may optionally be placed on the bottom shelf of the unit, freeing up an additional slot for a screen tray.

Screen Trays for the Testing Screens feature a generous 14.75" x 22.75" (375 x 578mm), 2.33ft³ (0.22m³) clear screen area. Optional dustpan configurations can be ordered for increased capacity, reduced dust output, or dispensing of fines directly into outside bag or container. Other accessories to facilitate sample handling, dust and noise control and separation performance are listed separately.

These models feature 6-tray slots and a bottom shelf, which allows for up to 6 trays and a dust pan to be used. Order screen trays and dust pans separately.

Hydraulic-Clamping, 120V 60Hz H-4283A
Hydraulic-Clamping, 220V 50Hz H-4283A.5F

Shipping wt. 485 lbs (220kg)

Test-Master® Screen

ASTM E11; ISO 565

The redesigned Test-Master® testing screen now features an easily controlled, integrated hopper for easier introduction of sample material and vertically-hinged front panel doors for improved access and clearance. The 1.6ft³ (45.3L) hopper is hinged at the rear and allows the sample to be introduced incrementally as the machine is running. When the hopper is closed, a panel blocks dust from escaping through the opening. The narrower panel doors require less space to open and fold flat across the front of the unit. The doors also feature a safety interlock switch that disables the Test-Master® when open. Test-Master screen shakers are available in a six and a seven-screen tray capacity models. Both units feature the same reliable counterbalanced drive assembly, fully

enclosed operation and electronic digital controller as our previous models. Sample vibration characteristics are identical to Testing Screen Shakers and the screen trays are interchangeable. Internal rotating counterweights of the Test-Master® drive system equalize the vertical screening action to assure smooth, quiet operation and prevent transfer of vibrations to other lab instruments.

Gilson Test-Master® screens are sold without screen trays or dust pans, which need to be purchased separately for operation. Specify sizes when ordering. In both models, the dust pan may optionally be placed on the bottom shelf of the unit, freeing up an additional slot for a screen tray.

Screen trays for the Test-Master® screens feature a generous 14.75" x 22.75" (375 x 578mm), 2.33ft³ (0.22m³) clear screen area. Optional Dustpan configurations can be ordered for increased capacity, reduced dust output, or dispensing of fines directly into outside bag or container. Other accessories to facilitate sample handling, dust and noise control and separation performance are listed separately. **H-4273B models feature 6-tray capacity and H-4274B models feature 7-tray capacity. Order screen trays and dust pans separately.**

Hydraulic-Clamp, 6-Tray, 120V 60Hz H-4273B

Hydraulic-Clamp, 6-Tray, 220V 50Hz H-4273B.5F

Hydraulic-Clamping, 7-Tray, 120V 60Hz H-4274B

Hydraulic-Clamping, 7-Tray, 220V 50Hz H-4274B.5F

Shipping wt. 700 lbs (318kg)



H-4285



H-4283P3



H-4273DP



H-4283P4



H-4283SE



H-4288.1



H-4273CP



H-4284, H-4284.5



H-4307



H-4286



H-4295A
H-4297A

Screen Shakers

Model	Gilson No.	Material Size	Maximum Capacity	Overall Tray Size	Dimensions inches (mm)
H-4283A	TS1	4" (104mm) to No. 200 mesh (14.75mm)	1 cu.ft. (0.3m3) 80 lbs (36kg)	18" x 26" (457 x 660mm)	23" x 31" x 33" (584 x 787 x 838)
H-4273B	TM5	4" (104mm) to No. 200 mesh (14.75mm)			27" x 33" x 45" (686 x 838 x 1143)
H-4274B	TM6				
H-4295A	PS4	2" (51mm) to No. 200 (75mm)	.75 cu.ft. (0.23m3) 60 lbs (27kg)	16" x 16.5" (406 x 419mm)	19" x 16.5" x 48.3" (483 x 419 x 1222)
H-4297A	PS3				19" x 16.5" x 42" (483 x 419 x 1067)

Screen Shaker Accessories

Item	Part No.	Item	Part No.
2" (50mm) Standard Dustpan for Screen Shakers (not for use with Porta-Screen model)	H-4283P	Manual Hydraulic Clamp Conversion Kit (serial # 13825 and lower)	H-4284.5
3" (75mm) Deep Dustpan for Screen Shakers	H-4283P3	Storage Tray Rack	H-4285
4" Deep Dustpan for Screen Shakers	H-4283P4	Door Enclosure for H-4283, H-4276 Screen Shakers	H-4286
Two-Piece, Stationary Dustpan with Adapter for H-4273B and H-4276A	H-4273DP	Clean-N-Weigh Accessory	H-4307
Inclined Chute Pan	H-4273CP	Digital Timer	H-4296A
Manual to Hydraulic Clamp Conversion Kit (serial # 13826 and higher)	H-4284	Sound Enclosure	H-4283SE
Porta-Screen Accessories			
Porta Sample Pan	H-4306	Porta Cover	H-4305
Porta Wheels	H-4288.1	Porta Screen Dust Pan Tray	H-4302

Porta-Screen® Screen Shaker

ASTM E11; ISO 565

The H-4295A and H-4297A Porta-Screen® screen shakers have long been the accepted standard portable screens for field control of construction aggregates and quality control of asphalt and ready to mix plants. These units are also useful for size separations of many other materials. Capacity depends on test material, but may range up to 60 lb (27.3 kg) per test. Vibration of both models is mechanically counterbalanced for smooth, stable operation with no required mounting.

Porta-Screen models are designed for performance durability, yet are light enough to be portable. Trays are quickly secured for operation by dual hand clamp levers. When levers are released, trays are individually removable for emptying, cleaning and weighing.

The vibrating assembly is held top and bottom on hardened guide pins. The 1/4hp motor, drive shaft, and connecting rod are synchronized with a rotating weight counterbalance system. All are enclosed by the enameled steel protective outer case.

The H-4295A model features slots for 7 trays and a pan while the H-4297A features slots for 5 trays and a pan. Order screen trays and dust pans separately.

Porta-Screen® (8 slots), 120V 60Hz H-4295A
Porta-Screen® (8 slots), 220V 50Hz H-4295A.5F

Porta-Screen® (6 slots), 120V 60Hz H-4297A
Porta-Screen® (6 slots), 220V 50Hz H-4297A.5F

Shipping wt. 255 lbs (116kg)



Screen Trays for Testing Screens

Use these tables to order replacement screen trays, wire cloth and round hole plate screens for Gilson testing screens, Test-Masters and Porta-Screens— **Models: H-4283A, H-4276A, H-4273B, H-4274B, H-4295A, H-4297A.**

ASTM sizes are manufactured to comply with wire cloth specifications of ASTM E11 and AASHTO M92. Cloth is designated S for plain steel or SS for stainless steel. Replacement wire cloth is cut to size for specified machines. Trays with cloth No. 16 (1.18mm) and finer incorporate lateral support ribs or coarse backup cloth to support mesh. **Backup cloth may be added to trays with or without support ribs as desired; and, blank trays (with no cloth) are also available, call 1.800.544.7220.**



Standard ASTM Testing Screen Trays and Cloth

ASTM Sizes		Cloth Material	18" x 26" (457 x 660mm) Models: H-4273B, H-4274B, H-4276A, H-4283A		16" x 16.5" (406 x 419mm) Models: H-4295A, H-4297A	
			Tray/Cloth	Cloth only	Tray/Cloth	Cloth only
125mm	5"	S	H-4278C5.000	H-4278WC5.000	NA	NA
106mm	4.24"	SS	H-4278C4.240	H-4278WC4.240	NA	NA
100mm	4"	S	H-4278C4.000	H-4278WC4.000	NA	NA
90mm	3.5"	S	H-4278C3.500	H-4278WC3.500	NA	NA
75mm	3"	S	H-4278C3.000	H-4278WC3.000	INQUIRE	INQUIRE
63mm	2.5"	S	H-4278C2.500	H-4278WC2.500	INQUIRE	INQUIRE
53mm	2.12"	SS	H-4278C2.120	H-4278WC2.120	INQUIRE	INQUIRE
50mm	2.00"	S	H-4278C2.000	H-4278WC2.000	H-4398C2.000	H-4398WC2.000
45mm	1.75"	S	H-4278C1.750	H-4278WC1.750	H-4398C1.750	H-4398WC1.750
37.5mm	1.50"	S	H-4278C1.500	H-4278WC1.500	H-4398C1.500	H-4398WC1.500
31.5mm	1.25"	S	H-4278C1.250	H-4278WC1.250	H-4398C1.250	H-4398WC1.250
26.5mm	1.06"	SS	H-4278C1.060	H-4278WC1.060	H-4398C1.060	H-4398WC1.060
25.0mm	1.00"	S	H-4278C1.000	H-4278WC1.000	H-4398C1.000	H-4398WC1.000
22.4mm	.875"	S	H-4278C.875	H-4278WC.875	H-4398C.875	H-4398WC.875
19.0mm	.750"	S	H-4278C.750	H-4278WC.750	H-4398C.750	H-4398WC.750
16.0mm	.625"	S	H-4278C.625	H-4278WC.625	H-4398C.625	H-4398WC.625
13.2mm	.530"	SS	H-4278C.530	H-4278WC.530	H-4398C.530	H-4398WC.530
12.5mm	.500"	S	H-4278C.500	H-4278WC.500	H-4398C.500	H-4398WC.500
11.2mm	.438"	S	H-4278C.438	H-4278WC.438	H-4398C.438	H-4398WC.438
9.5mm	.375"	S	H-4278C.375	H-4278WC.375	H-4398C.375	H-4398WC.375
8.0mm	.312"	S	H-4278C.312	H-4278WC.312	H-4398C.312	H-4398WC.312
6.7mm	.265"	SS	H-4278C.265	H-4278WC.265	H-4398C.265	H-4398WC.265
6.3mm	.250"	S	H-4278C.250	H-4278WC.250	H-4398C.250	H-4398WC.250
5.6mm	No. 3-1/2	SS	H-4278F3-1/2	H-4278WF3-1/2	H-4398F3-1/2	H-4398WF3-1/2
4.75mm	No. 4	S	H-4278F4	H-4278WF4	H-4398F4	H-4398WF4
4.00mm	No. 5	SS	H-4278F5	H-4278WF5	H-4398F5	H-4398WF5
3.35mm	No. 6	SS	H-4278F6	H-4278WF6	H-4398F6	H-4398WF6
2.80mm	No. 7	SS	H-4278F7	H-4278WF7	H-4398F7	H-4398WF7
2.36mm	No. 8	SS	H-4278F8	H-4278WF8	H-4398F8	H-4398WF8
2.00mm	No. 10	SS	H-4278F10	H-4278WF10	H-4398F10	H-4398WF10
1.70mm	No. 12	SS	H-4278F12	H-4278WF12	H-4398F12	H-4398WF12
1.40mm	No. 14	SS	H-4278F14	H-4278WF14	H-4398F14	H-4398WF14
1.18mm	No. 16	SS	H-4278F16	H-4278WF16	H-4398F16	H-4398WF16
1.00mm	No. 18	SS	H-4278F18	H-4278WF18	H-4398F18	H-4398WF18
850µm	No. 20	SS	H-4278F20	H-4278WF20	H-4398F20	H-4398WF20
710µm	No. 25	SS	H-4278F25	H-4278WF25	H-4398F25	H-4398WF25
600µm	No. 30	SS	H-4278F30	H-4278WF30	H-4398F30	H-4398WF30
500µm	No. 35	SS	H-4278F35	H-4278WF35	H-4398F35	H-4398WF35
425µm	No. 40	SS	H-4278F40	H-4278WF40	H-4398F40	H-4398WF40
355µm	No. 45	SS	H-4278F45	H-4278WF45	H-4398F45	H-4398WF45
300µm	No. 50	SS	H-4278F50	H-4278WF50	H-4398F50	H-4398WF50
250µm	No. 60	SS	H-4278F60	H-4278WF60	H-4398F60	H-4398WF60
212µm	No. 70	SS	H-4278F70	H-4278WF70	H-4398F70	H-4398WF70
180µm	No. 80	SS	H-4278F80	H-4278WF80	H-4398F80	H-4398WF80
150µm	No. 100	SS	H-4278F100	H-4278WF100	H-4398F100	H-4398WF100
125µm	No. 120	SS	H-4278F120	H-4278WF120	H-4398F120	H-4398WF120
106µm	No. 140	SS	H-4278F140	H-4278WF140	H-4398F140	H-4398WF140
90µm	No. 170	SS	H-4278F170	H-4278WF170	H-4398F170	H-4398WF170
75µm	No. 200	SS	H-4278F200	H-4278WF200	H-4398F200	H-4398WF200
63µm	No. 230	SS	H-4278F230	H-4278WF230	H-4398F230	H-4398WF230
53µm	No. 270	SS	H-4278F270	H-4278WF270	H-4398F270	H-4398WF270
45µm	No. 325	SS	H-4278F325	H-4278WF325	H-4398F325	H-4398WF325
38µm	No. 400	SS	H-4278F400	H-4278WF400	H-4398F400	H-4398WF400

ISO Testing Screen Trays and Cloth

ISO Sizes	Cloth Material	ISO SCREENS	
		Tray/Cloth	Cloth only
112mm	SS	H-8900TC.112	H-8900C.112
80mm	SS	H-8900TC.80	H-8900C.80
56mm	SS	H-8900TC.56	H-8900C.56
40mm	SS	H-8900TC.40	H-8900C.40
28mm	SS	H-8900TC.28	H-8900C.28
20mm	SS	H-8900TC.20	H-8900C.20
18mm	SS	H-8900TC.18	H-8900C.18
14mm	SS	H-8900TC.14	H-8900C.14
10mm	SS	H-8900TC.10	H-8900C.10
9mm	SS	H-8900TC.9	H-8900C.9
5mm	S	H-8900TC.5	H-8900C.5
2.5mm	SS	H-8900TC.25	H-8900C.25
1.25mm	SS	H-8900TC.125	H-8900C.125
900µm	SS	H-8900TC.900	H-8900C.900
400µm	SS	H-8900TC.400	H-8900C.400
160µm	SS	H-8900TC.160	H-8900C.160

NOTES
 Non-ASTM sizes— .125" and .0125"— are available, please inquire: 1-800-544-7220.



U.S.A. Standard Sieve Sizes and Equivalents

Alternative Number	Nominal Opening	Standard (mm)
4"	4.000	100mm
3.5"	3.500	90mm
3"	3.000	75mm
2.5"	2.500	63mm
2.12"	2.120	53mm
2"	2.000	50mm
1.75"	1.750	45mm
1.5"	1.500	37.5mm
1.25"	1.250	31.5mm
1.06"	1.060	26.5mm
1"	1.000	25.0mm
.875"	0.875	22.4mm
.75"	0.750	19.0mm
.625"	0.625	16.0mm
.530"	0.530	13.2mm
.500"	0.500	12.5mm
.434"	0.434	11.2mm
.375"	0.375	9.5mm
.312"	0.312	8.0mm
.265"	0.265	6.7mm
.25"	0.250	6.3mm
.125"	0.125	3.17mm
No. 3-1/2	0.223	5.6mm
No. 4	0.187	4.75mm
No. 5	0.157	4.00mm
No. 6	0.131	3.35mm
No. 7	0.110	2.80mm
No. 8	0.094	2.36mm
No. 10	0.078	2.00mm
No. 12	0.066	1.70mm
No. 14	0.055	1.40mm
No. 16	0.046	1.18mm
No. 18	0.039	1.00mm
No. 20	0.033	850µm
No. 25	0.027	710µm
No. 30	0.023	600µm
No. 35	0.019	50µm
No. 40	0.016	425µm
No. 45	0.013	355µm
No. 50	0.011	300µm
No. 60	0.009	250µm
No. 70	0.008	212µm
No. 80	0.007	180µm
No. 100	0.005	150µm
No. 120	0.0049	125µm
No. 140	0.0041	106µm
No. 170	0.0035	90µm
No. 200	0.0029	75µm
No. 230	0.0024	62µm
No. 270	0.0020	53µm
No. 325	0.0017	45µm
No. 400	0.0014	38µm
No. 450	0.0012	32µm
No. 500	0.0009	25µm
No. 635	0.0007	20µm
No. 850	0.0004	10µm
No. 1000	0.00008	2µm

U.S.A. Standard Sieve Series

Looking for sieves? Humboldt stocks an extensive offering of sieves for use in all types of sieve testing applications, from sampling and classification of soils, aggregates and other powdered and granular materials to specific ASTM standard tests. Humboldt carries an extensive inventory of sieves in all popular sizes and mesh/frame material configurations. We try to maintain a complete stock of 8" and 12" sieves in both full and half heights for quick turnaround, as well as keeping a large inventory of other sieve sizes and frame and mesh configurations.

Our sieves are of the highest quality to ensure consistent fit, accurate specifications and durable construction. All our sieves comply with ASTM E11 and AAS-HTO M92; and are given individual serial numbers for traceability. Certified sieves are also available as an option. Please inquire.

Humboldt sieves are available in brass frame with stainless steel mesh or stainless steel frame and mesh. Sieve frames are seamless spun brass or stainless steel with rigid rolled edges and extended bottoms (skirts) to ensure a good fit between frames, pans and separators of the same diameter— ensuring that your set of sieves stack properly.

All sieves include a permanently attached metal plate that includes the sieve number, micron size and the nominal opening in millimeters and inches. Sieve covers, bottom pans and separator pans are also in stock and ready for shipment.



USA Standard
ASTM Test Sieves



STANDARD

8"
203mm



Sieve Size	Brass Frame Stainless Mesh		Stainless Frame Stainless Mesh	
	Full Height 2" (50mm)	Half Height 1" (25mm)	Full Height 2" (50mm)	Half Height 1" (25mm)
4" (100mm)	H-3920CS4.000	H-3910CS4.000	H-3920CSS4.000	H-3910CSS4.000
3-1/2" (90mm)	H-3920CS3.500	H-3910CS3.500	H-3920CSS3.500	H-3910CSS3.500
3" (75mm)	H-3920CS3.000	H-3910CS3.000	H-3920CSS3.000	H-3910CSS3.000
2-1/2" (63mm)	H-3920CS2.500	H-3910CS2.500	H-3920CSS2.500	H-3910CSS2.500
2.12" (53mm)	H-3920CS2.120	H-3910CS2.120	H-3920CSS2.120	H-3910CSS2.120
2" (50mm)	H-3920CS2.000	H-3910CS2.000	H-3920CSS2.000	H-3910CSS2.000
1-3/4" (45mm)	H-3920CS1.750	H-3910CS1.750	H-3920CSS1.750	H-3910CSS1.750
1-1/2" (37.5mm)	H-3920CS1.500	H-3910CS1.500	H-3920CSS1.500	H-3910CSS1.500
1-1/4" (31.5mm)	H-3920CS1.250	H-3910CS1.250	H-3920CSS1.250	H-3910CSS1.250
1.06" (26.5mm)	H-3920CS1.060	H-3910CS1.060	H-3920CSS1.060	H-3910CSS1.060
1" (25.0mm)	H-3920CS1.000	H-3910CS1.000	H-3920CSS1.000	H-3910CSS1.000
7/8" (22.4mm)	H-3920CS.875	H-3910CS.875	H-3920CSS.875	H-3910CSS.875
3/4" (19.0mm)	H-3920CS.750	H-3910CS.750	H-3920CSS.750	H-3910CSS.750
5/8" (16.0mm)	H-3920CS.625	H-3910CS.625	H-3920CSS.625	H-3910CSS.625
0.530" (13.2mm)	H-3920CS.530	H-3910CS.530	H-3920CSS.530	H-3910CSS.530
1/2" (12.5mm)	H-3920CS.500	H-3910CS.500	H-3920CSS.500	H-3910CSS.500
7/16" (11.2mm)	H-3920CS.438	H-3910CS.438	H-3920CSS.438	H-3910CSS.438
3/8" (9.5mm)	H-3920CS.375	H-3910CS.375	H-3920CSS.375	H-3910CSS.375
5/16" (8.0mm)	H-3920CS.312	H-3910CS.312	H-3920CSS.312	H-3910CSS.312
0.265" (6.7mm)	H-3920CS.265	H-3910CS.265	H-3920CSS.265	H-3910CSS.265
1/4" (6.3mm)	H-3920CS.250	H-3910CS.250	H-3920CSS.250	H-3910CSS.250
No. 3-1/2 (5.6mm)	H-3920FS3-1/2	H-3910FS3-1/2	H-3920FSS3-1/2	H-3910FSS3-1/2
No. 4 (4.75mm)	H-3920FS4	H-3910FS4	H-3920FSS4	H-3910FSS4
No. 5 (4.0mm)	H-3920FS5	H-3910FS5	H-3920FSS5	H-3910FSS5
No. 6 (3.35mm)	H-3920FS6	H-3910FS6	H-3920FSS6	H-3910FSS6
No. 7 (2.80mm)	H-3920FS7	H-3910FS7	H-3920FSS7	H-3910FSS7
No. 8 (2.36mm)	H-3920FS8	H-3910FS8	H-3920FSS8	H-3910FSS8
No. 10 (2.00mm)	H-3920FS10	H-3910FS10	H-3920FSS10	H-3910FSS10
No. 12 (1.70mm)	H-3920FS12	H-3910FS12	H-3920FSS12	H-3910FSS12
No. 14 (1.40mm)	H-3920FS14	H-3910FS14	H-3920FSS14	H-3910FSS14
No. 16 (1.18mm)	H-3920FS16	H-3910FS16	H-3920FSS16	H-3910FSS16
No. 18 (1.0mm)	H-3920FS18	H-3910FS18	H-3920FSS18	H-3910FSS18
No. 20 (850µm)	H-3920FS20	H-3910FS20	H-3920FSS20	H-3910FSS20
No. 25 (710µm)	H-3920FS25	H-3910FS25	H-3920FSS25	H-3910FSS25
No. 30 (600µm)	H-3920FS30	H-3910FS30	H-3920FSS30	H-3910FSS30
No. 35 (500µm)	H-3920FS35	H-3910FS35	H-3920FSS35	H-3910FSS35
No. 40 (425µm)	H-3920FS40	H-3910FS40	H-3920FSS40	H-3910FSS40
No. 45 (355µm)	H-3920FS45	H-3910FS45	H-3920FSS45	H-3910FSS45
No. 50 (300µm)	H-3920FS50	H-3910FS50	H-3920FSS50	H-3910FSS50
No. 60 (250µm)	H-3920FS60	H-3910FS60	H-3920FSS60	H-3910FSS60
No. 70 (212µm)	H-3920FS70	H-3910FS70	H-3920FSS70	H-3910FSS70
No. 80 (180µm)	H-3920FS80	H-3910FS80	H-3920FSS80	H-3910FSS80
No. 100 (150µm)	H-3920FS100	H-3910FS100	H-3920FSS100	H-3910FSS100
No. 120 (125µm)	H-3920FS120	H-3910FS120	H-3920FSS120	H-3910FSS120
No. 140 (106µm)	H-3920FS140	H-3910FS140	H-3920FSS140	H-3910FSS140
No. 170 (90µm)	H-3920FS170	H-3910FS170	H-3920FSS170	H-3910FSS170
No. 200 (75µm)	H-3920FS200	H-3910FS200	H-3920FSS200	H-3910FSS200
No. 230 (63µm)	H-3920FS230	H-3910FS230	H-3920FSS230	H-3910FSS230
No. 270 (53µm)	H-3920FS270	H-3910FS270	H-3920FSS270	H-3910FSS270
No. 325 (45µm)	H-3920FS325	H-3910FS325	H-3920FSS325	H-3910FSS325
No. 400 (38µm)	H-3920FS400	H-3910FS400	H-3920FSS400	H-3910FSS400
No. 450 (32µm)	H-3920FS450	H-3910FS450	H-3920FSS450	H-3910FSS450
No. 500 (25µm)	H-3920FS500	H-3910FS500	H-3920FSS500	H-3910FSS500
No. 635 (20µm)	H-3920FS635	H-3910FS635	H-3920FSS635	H-3910FSS635
No. 850 (10µm)	H-3920FS850	H-3910FS850	-	-
No. 1000 (2µm)	H-3920FS1000	H-3910FS1000	-	-



Sieve Size	Brass Frame Stainless Mesh			Stainless Frame Stainless Mesh	
	Full Height 3" (75mm)	Inter. Height 2" (50mm)	Half Height 1.625" (41mm)	Full Height 3" (75mm)	Half Height 1.625" (41mm)
4" (100mm)	H-3912CS4.000	H-3922CS4.000	H-3932CS4.000	H-3912CSS4.000	H-3932CSS4.000
3-1/2" (90mm)	H-3912CS3.500	H-3922CS3.500	H-3932CS3.500	H-3912CSS3.500	H-3932CSS3.500
3" (75mm)	H-3912CS3.000	H-3922CS3.000	H-3932CS3.000	H-3912CSS3.000	H-3932CSS3.000
2-1/2" (63mm)	H-3912CS2.500	H-3922CS2.500	H-3932CS2.500	H-3912CSS2.500	H-3932CSS2.500
2.12" (53mm)	H-3912CS2.120	H-3922CS2.120	H-3932CS2.120	H-3912CSS2.120	H-3932CSS2.120
2" (50mm)	H-3912CS2.000	H-3922CS2.000	H-3932CS2.000	H-3912CSS2.000	H-3932CSS2.000
1-3/4" (45mm)	H-3912CS1.750	H-3922CS1.750	H-3932CS1.750	H-3912CSS1.750	H-3932CSS1.750
1-1/2" (37.5mm)	H-3912CS1.500	H-3922CS1.500	H-3932CS1.500	H-3912CSS1.500	H-3932CSS1.500
1-1/4" (31.5mm)	H-3912CS1.250	H-3922CS1.250	H-3932CS1.250	H-3912CSS1.250	H-3932CSS1.250
1.06" (26.5mm)	H-3912CS1.060	H-3922CS1.060	H-3932CS1.060	H-3912CSS1.060	H-3932CSS1.060
1" (25.0mm)	H-3912CS1.000	H-3922CS1.000	H-3932CS1.000	H-3912CSS1.000	H-3932CSS1.000
7/8" (22.4mm)	H-3912CS.875	H-3922CS.875	H-3932CS.875	H-3912CSS.875	H-3932CSS.875
3/4" (19.0mm)	H-3912CS.750	H-3922CS.750	H-3932CS.750	H-3912CSS.750	H-3932CSS.750
5/8" (16.0mm)	H-3912CS.625	H-3922CS.625	H-3932CS.625	H-3912CSS.625	H-3932CSS.625
0.530" (13.2mm)	H-3912CS.530	H-3922CS.530	H-3932CS.530	H-3912CSS.530	H-3932CSS.530
1/2" (12.5mm)	H-3912CS.500	H-3922CS.500	H-3932CS.500	H-3912CSS.500	H-3932CSS.500
7/16" (11.2mm)	H-3912CS.438	H-3922CS.438	H-3932CS.438	H-3912CSS.438	H-3932CSS.438
3/8" (9.5mm)	H-3912CS.375	H-3922CS.375	H-3932CS.375	H-3912CSS.375	H-3932CSS.375
5/16" (8.0mm)	H-3912CS.312	H-3922CS.312	H-3932CS.312	H-3912CSS.312	H-3932CSS.312
0.265" (6.7mm)	H-3912CS.265	H-3922CS.265	H-3932CS.265	H-3912CSS.265	H-3932CSS.265
1/4" (6.3mm)	H-3912CS.250	H-3922CS.250	H-3932CS.250	H-3912CSS.250	H-3932CSS.250
1/8" (3.17mm)	H-3912CS.125	H-3922CS.125	H-3932CS.125	-	H-3932CSS.125

No. 3-1/2 (5.6mm)	H-3912FS3-1/2	H-3922FS3-1/2	H-3932FS3-1/2	H-3912FSS3-1/2	H-3932FSS3-1/2
No. 4 (4.75mm)	H-3912FS4	H-3922FS4	H-3932FS4	H-3912FSS4	H-3932FSS4
No. 5 (4.0mm)	H-3912FS5	H-3922FS5	H-3932FS5	H-3912FSS5	H-3932FSS5
No. 6 (3.35mm)	H-3912FS6	H-3922FS6	H-3932FS6	H-3912FSS6	H-3932FSS6
No. 7 (2.80mm)	H-3912FS7	H-3922FS7	H-3932FS7	H-3912FSS7	H-3932FSS7
No. 8 (2.36mm)	H-3912FS8	H-3922FS8	H-3932FS8	H-3912FSS8	H-3932FSS8
No. 10 (2.00mm)	H-3912FS10	H-3922FS10	H-3932FS10	H-3912FSS10	H-3932FSS10
No. 12 (1.70mm)	H-3912FS12	H-3922FS12	H-3932FS12	H-3912FSS12	H-3932FSS12
No. 14 (1.40mm)	H-3912FS14	H-3922FS14	H-3932FS14	H-3912FSS14	H-3932FSS14
No. 16 (1.18mm)	H-3912FS16	H-3922FS16	H-3932FS16	H-3912FSS16	H-3932FSS16
No. 18 (1.0mm)	H-3912FS18	H-3922FS18	H-3932FS18	H-3912FSS18	H-3932FSS18
No. 20 (850µm)	H-3912FS20	H-3922FS20	H-3932FS20	H-3912FSS20	H-3932FSS20
No. 25 (710µm)	H-3912FS25	H-3922FS25	H-3932FS25	H-3912FSS25	H-3932FSS25
No. 30 (600µm)	H-3912FS30	H-3922FS30	H-3932FS30	H-3912FSS30	H-3932FSS30
No. 35 (500µm)	H-3912FS35	H-3922FS35	H-3932FS35	H-3912FSS35	H-3932FSS35
No. 40 (425µm)	H-3912FS40	H-3922FS40	H-3932FS40	H-3912FSS40	H-3932FSS40
No. 45 (355µm)	H-3912FS45	H-3922FS45	H-3932FS45	H-3912FSS45	H-3932FSS45
No. 50 (300µm)	H-3912FS50	H-3922FS50	H-3932FS50	H-3912FSS50	H-3932FSS50
No. 60 (250µm)	H-3912FS60	H-3922FS60	H-3932FS60	H-3912FSS60	H-3932FSS60
No. 70 (212µm)	H-3912FS70	H-3922FS70	H-3932FS70	H-3912FSS70	H-3932FSS70
No. 80 (180µm)	H-3912FS80	H-3922FS80	H-3932FS80	H-3912FSS80	H-3932FSS80
No. 100 (150µm)	H-3912FS100	H-3922FS100	H-3932FS100	H-3912FSS100	H-3932FSS100
No. 120 (125µm)	H-3912FS120	H-3922FS120	H-3932FS120	H-3912FSS120	H-3932FSS120
No. 140 (106µm)	H-3912FS140	H-3922FS140	H-3932FS140	H-3912FSS140	H-3932FSS140
No. 170 (90µm)	H-3912FS170	H-3922FS170	H-3932FS170	H-3912FSS170	H-3932FSS170
No. 200 (75µm)	H-3912FS200	H-3922FS200	H-3932FS200	H-3912FSS200	H-3932FSS200
No. 230 (63µm)	H-3912FS230	H-3922FS230	H-3932FS230	H-3912FSS230	H-3932FSS230
No. 270 (53µm)	H-3912FS270	H-3922FS270	H-3932FS270	H-3912FSS270	H-3932FSS270
No. 325 (45µm)	H-3912FS325	H-3922FS325	H-3932FS325	H-3912FSS325	H-3932FSS325
No. 400 (38µm)	H-3912FS400	H-3922FS400	H-3932FS400	H-3912FSS400	H-3932FSS400
No. 450 (32µm)	H-3912FS450	H-3922FS450	H-3932FS450	H-3912FSS450	H-3932FSS450
No. 500 (25µm)	H-3912FS500	H-3922FS500	H-3932FS500	H-3912FSS500	H-3932FSS500
No. 635 (20µm)	H-3912FS635	H-3922FS635	H-3932FS635	H-3912FSS635	H-3932FSS635
No. 850 (10µm)	H-3912FS850	H-3922FS850	H-3932FS850	-	-
No. 1000 (2µm)	H-3912FS1000	H-3922FS1000	H-3932FS1000	-	-

USA Standard ASTM Test Sieves



STANDARD

12"
305mm



Deep, USA Standard
ASTM Test Sieves



Sieve Size	4" Diameter		12" Diameter	
	Brass Frame, Stainless Mesh		Brass Frame, Stainless Mesh	
	1.5" Deep	4" Deep	4" Deep	8" Deep
4" (100mm)	-	-	H-3928CS4.000	H-3938CS4.000
3-1/2" (90mm)	-	-	H-3928CS3.500	H-3938CS3.500
3" (75mm)	-	-	H-3928CS3.000	H-3938CS3.000
2-1/2" (63mm)	-	-	H-3928CS2.500	H-3938CS2.500
2.12" (53mm)	-	-	H-3928CS2.120	H-3938CS2.120
2" (50mm)	-	-	H-3928CS2.000	H-3938CS2.000
1-3/4" (45mm)	-	-	H-3928CS1.750	H-3938CS1.750
1-1/2" (37.5mm)	-	-	H-3928CS1.500	H-3938CS1.500
1-1/4" (31.5mm)	-	-	H-3928CS1.250	H-3938CS1.250
1.06" (26.5mm)	-	-	H-3928CS1.060	H-3938CS1.060
1" (25.0mm)	H-3914CS1.000	H-3924CS1.000	H-3928CS1.000	H-3938CS1.000
7/8" (22.4mm)	H-3914CS.875	H-3924CS.875	H-3928CS.875	H-3938CS.875
3/4" (19.0mm)	H-3914CS.750	H-3924CS.750	H-3928CS.750	H-3938CS.750
5/8" (16.0mm)	H-3914CS.625	H-3924CS.625	H-3928CS.625	H-3938CS.625
0.530" (13.2mm)	H-3914CS.530	H-3924CS.530	H-3928CS.530	H-3938CS.530
1/2" (12.5mm)	H-3914CS.500	H-3924CS.500	H-3928CS.500	H-3938CS.500
7/16" (11.2mm)	H-3914CS.438	H-3924CS.438	H-3928CS.438	H-3938CS.438
3/8" (9.5mm)	H-3914CS.375	H-3924CS.375	H-3928CS.375	H-3938CS.375
5/16" (8.0mm)	H-3914CS.312	H-3924CS.312	H-3928CS.312	H-3938CS.312
0.265" (6.7mm)	H-3914CS.265	H-3924CS.265	H-3928CS.265	H-3938CS.265
1/4" (6.3mm)	H-3914CS.250	H-3924CS.250	H-3928CS.250	H-3938CS.250
1/8" (3.17mm)	H-3914CS.125	H-3924CS.125	H-3928CS.125	H-3938CS.125

STANDARD

4"
101mm

12"
305mm

No. 3-1/2 (56mm)	H-3914FS3-1/2	H-3924FS3-1/2	H-3928FS3-1/2	H-3938FS3-1/2
No. 4 (4.75mm)	H-3914FS4	H-3924FS4	H-3928FS4	H-3938FS4
No. 5 (4.0mm)	H-3914FS5	H-3924FS5	H-3928FS5	H-3938FS5
No. 6 (3.35mm)	H-3914FS6	H-3924FS6	H-3928FS6	H-3938FS6
No. 7 (2.80mm)	H-3914FS7	H-3924FS7	H-3928FS7	H-3938FS7
No. 8 (2.36mm)	H-3914FS8	H-3924FS8	H-3928FS8	H-3938FS8
No. 10 (2.00mm)	H-3914FS10	H-3924FS10	H-3928FS10	H-3938FS10
No. 12 (1.70mm)	H-3914FS12	H-3924FS12	H-3928FS12	H-3938FS12
No. 14 (1.40mm)	H-3914FS14	H-3924FS14	H-3928FS14	H-3938FS14
No. 16 (1.18mm)	H-3914FS16	H-3924FS16	H-3928FS16	H-3938FS16
No. 18 (1.0mm)	H-3914FS18	H-3924FS18	H-3928FS18	H-3938FS18
No. 20 (850µm)	H-3914FS20	H-3924FS20	H-3928FS20	H-3938FS20
No. 25 (710µm)	H-3914FS25	H-3924FS25	H-3928FS25	H-3938FS25
No. 30 (600µm)	H-3914FS30	H-3924FS30	H-3928FS30	H-3938FS30
No. 35 (500µm)	H-3914FS35	H-3924FS35	H-3928FS35	H-3938FS35
No. 40 (425µm)	H-3914FS40	H-3924FS40	H-3928FS40	H-3938FS40
No. 45 (355µm)	H-3914FS45	H-3924FS45	H-3928FS45	H-3938FS45
No. 50 (300µm)	H-3914FS50	H-3924FS50	H-3928FS50	H-3938FS50
No. 60 (250µm)	H-3914FS60	H-3924FS60	H-3928FS60	H-3938FS60
No. 70 (212µm)	H-3914FS70	H-3924FS70	H-3928FS70	H-3938FS70
No. 80 (180µm)	H-3914FS80	H-3924FS80	H-3928FS80	H-3938FS80
No. 100 (150µm)	H-3914FS100	H-3924FS100	H-3928FS100	H-3938FS100
No. 120 (125µm)	H-3914FS120	H-3924FS120	H-3928FS120	H-3938FS120
No. 140 (106µm)	H-3914FS140	H-3924FS140	H-3928FS140	H-3938FS140
No. 170 (90µm)	H-3914FS170	H-3924FS170	H-3928FS170	H-3938FS170
No. 200 (75µm)	H-3914FS200	H-3924FS200	H-3928FS200	H-3938FS200
No. 230 (63µm)	H-3914FS230	H-3924FS230	H-3928FS230	H-3938FS230
No. 270 (53µm)	H-3914FS270	H-3924FS270	H-3928FS270	H-3938FS270
No. 325 (45µm)	H-3914FS325	H-3924FS325	H-3928FS325	H-3938FS325
No. 400 (38µm)	H-3914FS400	H-3924FS400	H-3928FS400	H-3938FS400
No. 450 (32µm)	H-3914FS450	H-3924FS450	H-3928FS450	H-3938FS450
No. 500 (25µm)	H-3914FS500	H-3924FS500	H-3928FS500	H-3938FS500
No. 635 (20µm)	H-3914FS635	H-3924FS635	H-3928FS635	H-3938FS635
No. 850 (10µm)	H-3914FS850	H-3924FS850	H-3928FS850	H-3938FS850
No. 1000 (2µm)	H-3914FS1000	H-3924FS1000	H-3928FS1000	H-3938FS1000



Sieve Size	Brass Frame, Stainless Mesh			
	3" Diameter 1" Deep	5" Diameter 1.5" Deep	6" Diameter 1.5" Deep	10" Diameter 3" Deep
4" (100mm)	-	-	-	H-3919CS4.000
3-1/2" (90mm)	-	-	-	H-3919CS3.500
3" (75mm)	-	-	-	H-3919CS3.000
2-1/2" (63mm)	-	-	-	H-3919CS2.500
2.12" (53mm)	-	-	-	H-3919CS2.120
2" (50mm)	-	-	-	H-3919CS2.000
1-3/4" (45mm)	-	-	-	H-3919CS1.750
1-1/2" (37.5mm)	-	-	-	H-3919CS1.500
1-1/4" (31.5mm)	-	-	-	H-3919CS1.250
1.06" (26.5mm)	-	-	-	H-3919CS1.060
1" (25.0mm)	H-3913CS1.000	H-3915CS1.000	H-3916CS1.000	H-3919CS1.000
7/8" (22.4mm)	H-3913CS.875	H-3915CS.875	H-3916CS.875	H-3919CS.875
3/4" (19.0mm)	H-3913CS.750	H-3915CS.750	H-3916CS.750	H-3919CS.750
5/8" (16.0mm)	H-3913CS.625	H-3915CS.625	H-3916CS.625	H-3919CS.625
0.530" (13.2mm)	H-3913CS.530	H-3915CS.530	H-3916CS.530	H-3919CS.530
1/2" (12.5mm)	H-3913CS.500	H-3915CS.500	H-3916CS.500	H-3919CS.500
7/16" (11.2mm)	H-3913CS.438	H-3915CS.438	H-3916CS.438	H-3919CS.438
3/8" (9.5mm)	H-3913CS.375	H-3915CS.375	H-3916CS.375	H-3919CS.375
5/16" (8.0mm)	H-3913CS.312	H-3915CS.312	H-3916CS.312	H-3919CS.312
0.265" (6.7mm)	H-3913CS.265	H-3915CS.265	H-3916CS.265	H-3919CS.265
1/4" (6.3mm)	H-3913CS.250	H-3915CS.250	H-3916CS.250	H-3919CS.250
1/8" (3.17mm)	H-3913CS.125	H-3915CS.125	H-3916CS.125	H-3919CS.125

USA Standard
ASTM Test Sieves



No. 3-1/2 (56mm)	H-3913FS3-1/2	H-3915FS3-1/2	H-3916FS3-1/2	H-3919FS3-1/2
No. 4 (4.75mm)	H-3913FS4	H-3915FS4	H-3916FS4	H-3919FS4
No. 5 (4.0mm)	H-3913FS5	H-3915FS5	H-3916FS5	H-3919FS5
No. 6 (3.35mm)	H-3913FS6	H-3915FS6	H-3916FS6	H-3919FS6
No. 7 (2.80mm)	H-3913FS7	H-3915FS7	H-3916FS7	H-3919FS7
No. 8 (2.36mm)	H-3913FS8	H-3915FS8	H-3916FS8	H-3919FS8
No. 10 (2.00mm)	H-3913FS10	H-3915FS10	H-3916FS10	H-3919FS10
No. 12 (1.70mm)	H-3913FS12	H-3915FS12	H-3916FS12	H-3919FS12
No. 14 (1.40mm)	H-3913FS14	H-3915FS14	H-3916FS14	H-3919FS14
No. 16 (1.18mm)	H-3913FS16	H-3915FS16	H-3916FS16	H-3919FS16
No. 18 (1.0mm)	H-3913FS18	H-3915FS18	H-3916FS18	H-3919FS18
No. 20 (850µm)	H-3913FS20	H-3915FS20	H-3916FS20	H-3919FS20
No. 25 (710µm)	H-3913FS25	H-3915FS25	H-3916FS25	H-3919FS25
No. 30 (600µm)	H-3913FS30	H-3915FS30	H-3916FS30	H-3919FS30
No. 35 (500µm)	H-3913FS35	H-3915FS35	H-3916FS35	H-3919FS35
No. 40 (425µm)	H-3913FS40	H-3915FS40	H-3916FS40	H-3919FS40
No. 45 (355µm)	H-3913FS45	H-3915FS45	H-3916FS45	H-3919FS45
No. 50 (300µm)	H-3913FS50	H-3915FS50	H-3916FS50	H-3919FS50
No. 60 (250µm)	H-3913FS60	H-3915FS60	H-3916FS60	H-3919FS60
No. 70 (212µm)	H-3913FS70	H-3915FS70	H-3916FS70	H-3919FS70
No. 80 (180µm)	H-3913FS80	H-3915FS80	H-3916FS80	H-3919FS80
No. 100 (150µm)	H-3913FS100	H-3915FS100	H-3916FS100	H-3919FS100
No. 120 (125µm)	H-3913FS120	H-3915FS120	H-3916FS120	H-3919FS120
No. 140 (106µm)	H-3913FS140	H-3915FS140	H-3916FS140	H-3919FS140
No. 170 (90µm)	H-3913FS170	H-3915FS170	H-3916FS170	H-3919FS170
No. 200 (75µm)	H-3913FS200	H-3915FS200	H-3916FS200	H-3919FS200
No. 230 (63µm)	H-3913FS230	H-3915FS230	H-3916FS230	H-3919FS230
No. 270 (53µm)	H-3913FS270	H-3915FS270	H-3916FS270	H-3919FS270
No. 325 (45µm)	H-3913FS325	H-3915FS325	H-3916FS325	H-3919FS325
No. 400 (38µm)	H-3913FS400	H-3915FS400	H-3916FS400	H-3919FS400
No. 450 (32µm)	H-3913FS450	H-3915FS450	H-3916FS450	H-3919FS450
No. 500 (25µm)	H-3913FS500	H-3915FS500	H-3916FS500	H-3919FS500
No. 635 (20µm)	H-3913FS635	H-3915FS635	H-3916FS635	H-3919FS635
No. 850 (10µm)	H-3913FS850	H-3915FS850	H-3916FS850	H-3919FS850
No. 1000 (2µm)	H-3913FS1000	H-3915FS1000	H-3916FS1000	H-3919FS1000

STANDARD

3" 5" 6" 10"
76mm 127mm 152mm 254mm



USA Standard ASTM Inspection Test Sieves

Inspection Test Sieves are used when accuracy and repeatability are paramount. Inspection Test Sieves start with our Standard ASTM Sieves and include an added Inspection level verification. This verification specifies the number of openings in each sieve after the cloth has been mounted to the frame. Inspection Test Sieves provides a 99% level of confidence that the standard deviation of these openings is within the maximum allowed by ASTM. An Inspection verification is provided with each sieve.



INSPECTION

8"
203mm



Sieve Size	Brass Frame Stainless Mesh		Stainless Frame Stainless Mesh	
	Full Height 2" (50mm)	Half Height 1" (25mm)	Full Height 2" (50mm)	Half Height 1" (25mm)
4" (100mm)	HI-3920CS4.000	HI-3910CS4.000	HI-3920CSS4.000	HI-3910CSS4.000
3-1/2" (90mm)	HI-3920CS3.500	HI-3910CS3.500	HI-3920CSS3.500	HI-3910CSS3.500
3" (75mm)	HI-3920CS3.000	HI-3910CS3.000	HI-3920CSS3.000	HI-3910CSS3.000
2-1/2" (63mm)	HI-3920CS2.500	HI-3910CS2.500	HI-3920CSS2.500	HI-3910CSS2.500
2.12" (53mm)	HI-3920CS2.120	HI-3910CS2.120	HI-3920CSS2.120	HI-3910CSS2.120
2" (50mm)	HI-3920CS2.000	HI-3910CS2.000	HI-3920CSS2.000	HI-3910CSS2.000
1-3/4" (45mm)	HI-3920CS1.750	HI-3910CS1.750	HI-3920CSS1.750	HI-3910CSS1.750
1-1/2" (37.5mm)	HI-3920CS1.500	HI-3910CS1.500	HI-3920CSS1.500	HI-3910CSS1.500
1-1/4" (31.5mm)	HI-3920CS1.250	HI-3910CS1.250	HI-3920CSS1.250	HI-3910CSS1.250
1.06" (26.5mm)	HI-3920CS1.060	HI-3910CS1.060	HI-3920CSS1.060	HI-3910CSS1.060
1" (25.0mm)	HI-3920CS1.000	HI-3910CS1.000	HI-3920CSS1.000	HI-3910CSS1.000
7/8" (22.4mm)	HI-3920CS.875	HI-3910CS.875	HI-3920CSS.875	HI-3910CSS.875
3/4" (19.0mm)	HI-3920CS.750	HI-3910CS.750	HI-3920CSS.750	HI-3910CSS.750
5/8" (16.0mm)	HI-3920CS.625	HI-3910CS.625	HI-3920CSS.625	HI-3910CSS.625
0.530" (13.2mm)	HI-3920CS.530	HI-3910CS.530	HI-3920CSS.530	HI-3910CSS.530
1/2" (12.5mm)	HI-3920CS.500	HI-3910CS.500	HI-3920CSS.500	HI-3910CSS.500
7/16" (11.2mm)	HI-3920CS.438	HI-3910CS.438	HI-3920CSS.438	HI-3910CSS.438
3/8" (9.5mm)	HI-3920CS.375	HI-3910CS.375	HI-3920CSS.375	HI-3910CSS.375
5/16" (8.0mm)	HI-3920CS.312	HI-3910CS.312	HI-3920CSS.312	HI-3910CSS.312
0.265" (6.7mm)	HI-3920CS.265	HI-3910CS.265	HI-3920CSS.265	HI-3910CSS.265
1/4" (6.3mm)	HI-3920CS.250	HI-3910CS.250	HI-3920CSS.250	HI-3910CSS.250
1/8" (3.17mm)	HI-3920CS.125	HI-3910CS.125	HI-3920CSS.125	HI-3910CSS.125

No. 3-1/2 (5.6mm)	HI-3920FS3-1/2	HI-3910FS3-1/2	HI-3920FSS3-1/2	HI-3910FSS3-1/2
No. 4 (4.75mm)	HI-3920FS4	HI-3910FS4	HI-3920FSS4	HI-3910FSS4
No. 5 (4.0mm)	HI-3920FS5	HI-3910FS5	HI-3920FSS5	HI-3910FSS5
No. 6 (3.35mm)	HI-3920FS6	HI-3910FS6	HI-3920FSS6	HI-3910FSS6
No. 7 (2.80mm)	HI-3920FS7	HI-3910FS7	HI-3920FSS7	HI-3910FSS7
No. 8 (2.36mm)	HI-3920FS8	HI-3910FS8	HI-3920FSS8	HI-3910FSS8
No. 10 (2.00mm)	HI-3920FS10	HI-3910FS10	HI-3920FSS10	HI-3910FSS10
No. 12 (1.70mm)	HI-3920FS12	HI-3910FS12	HI-3920FSS12	HI-3910FSS12
No. 14 (1.40mm)	HI-3920FS14	HI-3910FS14	HI-3920FSS14	HI-3910FSS14
No. 16 (1.18mm)	HI-3920FS16	HI-3910FS16	HI-3920FSS16	HI-3910FSS16
No. 18 (1.0mm)	HI-3920FS18	HI-3910FS18	HI-3920FSS18	HI-3910FSS18
No. 20 (850µm)	HI-3920FS20	HI-3910FS20	HI-3920FSS20	HI-3910FSS20
No. 25 (710µm)	HI-3920FS25	HI-3910FS25	HI-3920FSS25	HI-3910FSS25
No. 30 (600µm)	HI-3920FS30	HI-3910FS30	HI-3920FSS30	HI-3910FSS30
No. 35 (500µm)	HI-3920FS35	HI-3910FS35	HI-3920FSS35	HI-3910FSS35
No. 40 (425µm)	HI-3920FS40	HI-3910FS40	HI-3920FSS40	HI-3910FSS40
No. 45 (355µm)	HI-3920FS45	HI-3910FS45	HI-3920FSS45	HI-3910FSS45
No. 50 (300µm)	HI-3920FS50	HI-3910FS50	HI-3920FSS50	HI-3910FSS50
No. 60 (250µm)	HI-3920FS60	HI-3910FS60	HI-3920FSS60	HI-3910FSS60
No. 70 (212µm)	HI-3920FS70	HI-3910FS70	HI-3920FSS70	HI-3910FSS70
No. 80 (180µm)	HI-3920FS80	HI-3910FS80	HI-3920FSS80	HI-3910FSS80
No. 100 (150µm)	HI-3920FS100	HI-3910FS100	HI-3920FSS100	HI-3910FSS100
No. 120 (125µm)	HI-3920FS120	HI-3910FS120	HI-3920FSS120	HI-3910FSS120
No. 140 (106µm)	HI-3920FS140	HI-3910FS140	HI-3920FSS140	HI-3910FSS140
No. 170 (90µm)	HI-3920FS170	HI-3910FS170	HI-3920FSS170	HI-3910FSS170
No. 200 (75µm)	HI-3920FS200	HI-3910FS200	HI-3920FSS200	HI-3910FSS200
No. 230 (63µm)	HI-3920FS230	HI-3910FS230	HI-3920FSS230	HI-3910FSS230
No. 270 (53µm)	HI-3920FS270	HI-3910FS270	HI-3920FSS270	HI-3910FSS270
No. 325 (45µm)	HI-3920FS325	HI-3910FS325	HI-3920FSS325	HI-3910FSS325
No. 400 (38µm)	HI-3920FS400	HI-3910FS400	HI-3920FSS400	HI-3910FSS400
No. 450 (32µm)	HI-3920FS450	HI-3910FS450	HI-3920FSS450	HI-3910FSS450
No. 500 (25µm)	HI-3920FS500	HI-3910FS500	HI-3920FSS500	HI-3910FSS500
No. 635 (20µm)	HI-3920FS635	HI-3910FS635	HI-3920FSS635	HI-3910FSS635
No. 850 (10µm)	HI-3920FS850	HI-3910FS850	-	-
No. 1000 (2µm)	HI-3920FS1000	HI-3910FS1000	-	-



Sieve Size	Brass Frame Stainless Mesh			Stainless Frame Stainless Mesh	
	Full Height 3" (75mm)	Inter. Height 2" (50mm)	Half Height 1.625" (41mm)	Full Height 3" (75mm)	Half Height 1.625" (41mm)
4" (100mm)	HI-3912CS4.000	HI-3922CS4.000	HI-3932CS4.000	HI-3912CSS4.000	HI-3932CSS4.000
3-1/2" (90mm)	HI-3912CS3.500	HI-3922CS3.500	HI-3932CS3.500	HI-3912CSS3.500	HI-3932CSS3.500
3" (75mm)	HI-3912CS3.000	HI-3922CS3.000	HI-3932CS3.000	HI-3912CSS3.000	HI-3932CSS3.000
2-1/2" (63mm)	HI-3912CS2.500	HI-3922CS2.500	HI-3932CS2.500	HI-3912CSS2.500	HI-3932CSS2.500
2.12" (53mm)	HI-3912CS2.120	HI-3922CS2.120	HI-3932CS2.120	HI-3912CSS2.120	HI-3932CSS2.120
2" (50mm)	HI-3912CS2.000	HI-3922CS2.000	HI-3932CS2.000	HI-3912CSS2.000	HI-3932CSS2.000
1-3/4" (45mm)	HI-3912CS1.750	HI-3922CS1.750	HI-3932CS1.750	HI-3912CSS1.750	HI-3932CSS1.750
1-1/2" (37.5mm)	HI-3912CS1.500	HI-3922CS1.500	HI-3932CS1.500	HI-3912CSS1.500	HI-3932CSS1.500
1-1/4" (31.5mm)	HI-3912CS1.250	HI-3922CS1.250	HI-3932CS1.250	HI-3912CSS1.250	HI-3932CSS1.250
1.06" (26.5mm)	HI-3912CS1.060	HI-3922CS1.060	HI-3932CS1.060	HI-3912CSS1.060	HI-3932CSS1.060
1" (25.0mm)	HI-3912CS1.000	HI-3922CS1.000	HI-3932CS1.000	HI-3912CSS1.000	HI-3932CSS1.000
7/8" (22.4mm)	HI-3912CS.875	HI-3922CS.875	HI-3932CS.875	HI-3912CSS.875	HI-3932CSS.875
3/4" (19.0mm)	HI-3912CS.750	HI-3922CS.750	HI-3932CS.750	HI-3912CSS.750	HI-3932CSS.750
5/8" (16.0mm)	HI-3912CS.625	HI-3922CS.625	HI-3932CS.625	HI-3912CSS.625	HI-3932CSS.625
0.530" (13.2mm)	HI-3912CS.530	HI-3922CS.530	HI-3932CS.530	HI-3912CSS.530	HI-3932CSS.530
1/2" (12.5mm)	HI-3912CS.500	HI-3922CS.500	HI-3932CS.500	HI-3912CSS.500	HI-3932CSS.500
7/16" (11.2mm)	HI-3912CS.438	HI-3922CS.438	HI-3932CS.438	HI-3912CSS.438	HI-3932CSS.438
3/8" (9.5mm)	HI-3912CS.375	HI-3922CS.375	HI-3932CS.375	HI-3912CSS.375	HI-3932CSS.375
5/16" (8.0mm)	HI-3912CS.312	HI-3922CS.312	HI-3932CS.312	HI-3912CSS.312	HI-3932CSS.312
0.265" (6.7mm)	HI-3912CS.265	HI-3922CS.265	HI-3932CS.265	HI-3912CSS.265	HI-3932CSS.265
1/4" (6.3mm)	HI-3912CS.250	HI-3922CS.250	HI-3932CS.250	HI-3912CSS.250	HI-3932CSS.250
1/8" (3.17mm)	HI-3912CS.125	HI-3922CS.125	HI-3932CS.125	-	HI-3932CSS.125

**USA Standard
ASTM Inspection Test Sieves**

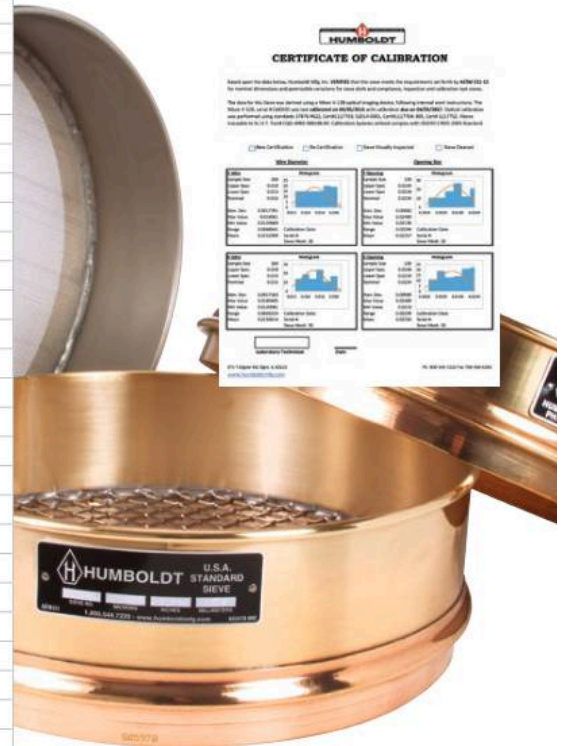
Inspection Test Sieves are used when accuracy and repeatability are paramount. Inspection Test Sieves start with our Standard ASTM Sieves and include an added Inspection level verification. This verification specifies the number of openings in each sieve after the cloth has been mounted to the frame. Inspection Test Sieves provides a 99% level of confidence that the standard deviation of these openings is within the maximum allowed by ASTM. An Inspection verification is provided with each sieve.



INSPECTION

12"
305mm

No. 3-1/2 (5.6mm)	HI-3912FS3-1/2	HI-3922FS3-1/2	HI-3932FS3-1/2	HI-3912FSS3-1/2	HI-3932FSS3-1/2
No. 4 (4.75mm)	HI-3912FS4	HI-3922FS4	HI-3932FS4	HI-3912FSS4	HI-3932FSS4
No. 5 (4.0mm)	HI-3912FS5	HI-3922FS5	HI-3932FS5	HI-3912FSS5	HI-3932FSS5
No. 6 (3.35mm)	HI-3912FS6	HI-3922FS6	HI-3932FS6	HI-3912FSS6	HI-3932FSS6
No. 7 (2.80mm)	HI-3912FS7	HI-3922FS7	HI-3932FS7	HI-3912FSS7	HI-3932FSS7
No. 8 (2.36mm)	HI-3912FS8	HI-3922FS8	HI-3932FS8	HI-3912FSS8	HI-3932FSS8
No. 10 (2.00mm)	HI-3912FS10	HI-3922FS10	HI-3932FS10	HI-3912FSS10	HI-3932FSS10
No. 12 (1.70mm)	HI-3912FS12	HI-3922FS12	HI-3932FS12	HI-3912FSS12	HI-3932FSS12
No. 14 (1.40mm)	HI-3912FS14	HI-3922FS14	HI-3932FS14	HI-3912FSS14	HI-3932FSS14
No. 16 (1.18mm)	HI-3912FS16	HI-3922FS16	HI-3932FS16	HI-3912FSS16	HI-3932FSS16
No. 18 (1.0mm)	HI-3912FS18	HI-3922FS18	HI-3932FS18	HI-3912FSS18	HI-3932FSS18
No. 20 (850µm)	HI-3912FS20	HI-3922FS20	HI-3932FS20	HI-3912FSS20	HI-3932FSS20
No. 25 (710µm)	HI-3912FS25	HI-3922FS25	HI-3932FS25	HI-3912FSS25	HI-3932FSS25
No. 30 (600µm)	HI-3912FS30	HI-3922FS30	HI-3932FS30	HI-3912FSS30	HI-3932FSS30
No. 35 (500µm)	HI-3912FS35	HI-3922FS35	HI-3932FS35	HI-3912FSS35	HI-3932FSS35
No. 40 (425µm)	HI-3912FS40	HI-3922FS40	HI-3932FS40	HI-3912FSS40	HI-3932FSS40
No. 45 (355µm)	HI-3912FS45	HI-3922FS45	HI-3932FS45	HI-3912FSS45	HI-3932FSS45
No. 50 (300µm)	HI-3912FS50	HI-3922FS50	HI-3932FS50	HI-3912FSS50	HI-3932FSS50
No. 60 (250µm)	HI-3912FS60	HI-3922FS60	HI-3932FS60	HI-3912FSS60	HI-3932FSS60
No. 70 (212µm)	HI-3912FS70	HI-3922FS70	HI-3932FS70	HI-3912FSS70	HI-3932FSS70
No. 80 (180µm)	HI-3912FS80	HI-3922FS80	HI-3932FS80	HI-3912FSS80	HI-3932FSS80
No. 100 (150µm)	HI-3912FS100	HI-3922FS100	HI-3932FS100	HI-3912FSS100	HI-3932FSS100
No. 120 (125µm)	HI-3912FS120	HI-3922FS120	HI-3932FS120	HI-3912FSS120	HI-3932FSS120
No. 140 (106µm)	HI-3912FS140	HI-3922FS140	HI-3932FS140	HI-3912FSS140	HI-3932FSS140
No. 170 (90µm)	HI-3912FS170	HI-3922FS170	HI-3932FS170	HI-3912FSS170	HI-3932FSS170
No. 200 (75µm)	HI-3912FS200	HI-3922FS200	HI-3932FS200	HI-3912FSS200	HI-3932FSS200
No. 230 (63µm)	HI-3912FS230	HI-3922FS230	HI-3932FS230	HI-3912FSS230	HI-3932FSS230
No. 270 (53µm)	HI-3912FS270	HI-3922FS270	HI-3932FS270	HI-3912FSS270	HI-3932FSS270
No. 325 (45µm)	HI-3912FS325	HI-3922FS325	HI-3932FS325	HI-3912FSS325	HI-3932FSS325
No. 400 (38µm)	HI-3912FS400	HI-3922FS400	HI-3932FS400	HI-3912FSS400	HI-3932FSS400
No. 450 (32µm)	HI-3912FS450	HI-3922FS450	HI-3932FS450	HI-3912FSS450	HI-3932FSS450
No. 500 (25µm)	HI-3912FS500	HI-3922FS500	HI-3932FS500	HI-3912FSS500	HI-3932FSS500
No. 635 (20µm)	HI-3912FS635	HI-3922FS635	HI-3932FS635	HI-3912FSS635	HI-3932FSS635
No. 850 (10µm)	HI-3912FS850	HI-3922FS850	HI-3932FS850	-	-
No. 1000 (2µm)	HI-3912FS1000	HI-3922FS1000	HI-3932FS1000	-	-



USA Standard ASTM Calibration Test Sieves

Calibration Test Sieves are used when the application demands the highest accuracy and repeatability available. Calibration Test Sieves start with our Standard ASTM Sieves and include an added calibration level verification. This verification measures about twice as many openings in the sieve as is done for an Inspection Sieve. Calibration Test Sieves provide a 99.73% level of confidence that the standard deviation of these openings is within the maximum allowed by ASTM. A Calibration verification is provided with each sieve.



CALIBRATION

8"
203mm



Sieve Size	Brass Frame Stainless Mesh		Stainless Frame Stainless Mesh	
	Full Height 2" (50mm)	Half Height 1" (25mm)	Full Height 2" (50mm)	Half Height 1" (25mm)
4" (100mm)	HC-3920CS4.000	HC-3910CS4.000	HC-3920CSS4.000	HC-3910CSS4.000
3-1/2" (90mm)	HC-3920CS3.500	HC-3910CS3.500	HC-3920CSS3.500	HC-3910CSS3.500
3" (75mm)	HC-3920CS3.000	HC-3910CS3.000	HC-3920CSS3.000	HC-3910CSS3.000
2-1/2" (63mm)	HC-3920CS2.500	HC-3910CS2.500	HC-3920CSS2.500	HC-3910CSS2.500
2.12" (53mm)	HC-3920CS2.120	HC-3910CS2.120	HC-3920CSS2.120	HC-3910CSS2.120
2" (50mm)	HC-3920CS2.000	HC-3910CS2.000	HC-3920CSS2.000	HC-3910CSS2.000
1-3/4" (45mm)	HC-3920CS1.750	HC-3910CS1.750	HC-3920CSS1.750	HC-3910CSS1.750
1-1/2" (37.5mm)	HC-3920CS1.500	HC-3910CS1.500	HC-3920CSS1.500	HC-3910CSS1.500
1-1/4" (31.5mm)	HC-3920CS1.250	HC-3910CS1.250	HC-3920CSS1.250	HC-3910CSS1.250
1.06" (26.5mm)	HC-3920CS1.060	HC-3910CS1.060	HC-3920CSS1.060	HC-3910CSS1.060
1" (25.0mm)	HC-3920CS1.000	HC-3910CS1.000	HC-3920CSS1.000	HC-3910CSS1.000
7/8" (22.4mm)	HC-3920CS.875	HC-3910CS.875	HC-3920CSS.875	HC-3910CSS.875
3/4" (19.0mm)	HC-3920CS.750	HC-3910CS.750	HC-3920CSS.750	HC-3910CSS.750
5/8" (16.0mm)	HC-3920CS.625	HC-3910CS.625	HC-3920CSS.625	HC-3910CSS.625
0.530" (13.2mm)	HC-3920CS.530	HC-3910CS.530	HC-3920CSS.530	HC-3910CSS.530
1/2" (12.5mm)	HC-3920CS.500	HC-3910CS.500	HC-3920CSS.500	HC-3910CSS.500
7/16" (11.2mm)	HC-3920CS.438	HC-3910CS.438	HC-3920CSS.438	HC-3910CSS.438
3/8" (9.5mm)	HC-3920CS.375	HC-3910CS.375	HC-3920CSS.375	HC-3910CSS.375
5/16" (8.0mm)	HC-3920CS.312	HC-3910CS.312	HC-3920CSS.312	HC-3910CSS.312
0.265" (6.7mm)	HC-3920CS.265	HC-3910CS.265	HC-3920CSS.265	HC-3910CSS.265
1/4" (6.3mm)	HC-3920CS.250	HC-3910CS.250	HC-3920CSS.250	HC-3910CSS.250
1/8" (3.17mm)	HC-3920CS.125	HC-3910CS.125	HC-3920CSS.125	HC-3910CSS.125

No. 3-1/2 (5.6mm)	HC-3920FS3-1/2	HC-3910FS3-1/2	HC-3920FSS3-1/2	HC-3910FSS3-1/2
No. 4 (4.75mm)	HC-3920FS4	HC-3910FS4	HC-3920FSS4	HC-3910FSS4
No. 5 (4.0mm)	HC-3920FS5	HC-3910FS5	HC-3920FSS5	HC-3910FSS5
No. 6 (3.35mm)	HC-3920FS6	HC-3910FS6	HC-3920FSS6	HC-3910FSS6
No. 7 (2.80mm)	HC-3920FS7	HC-3910FS7	HC-3920FSS7	HC-3910FSS7
No. 8 (2.36mm)	HC-3920FS8	HC-3910FS8	HC-3920FSS8	HC-3910FSS8
No. 10 (2.00mm)	HC-3920FS10	HC-3910FS10	HC-3920FSS10	HC-3910FSS10
No. 12 (1.70mm)	HC-3920FS12	HC-3910FS12	HC-3920FSS12	HC-3910FSS12
No. 14 (1.40mm)	HC-3920FS14	HC-3910FS14	HC-3920FSS14	HC-3910FSS14
No. 16 (1.18mm)	HC-3920FS16	HC-3910FS16	HC-3920FSS16	HC-3910FSS16
No. 18 (1.0mm)	HC-3920FS18	HC-3910FS18	HC-3920FSS18	HC-3910FSS18
No. 20 (850µm)	HC-3920FS20	HC-3910FS20	HC-3920FSS20	HC-3910FSS20
No. 25 (710µm)	HC-3920FS25	HC-3910FS25	HC-3920FSS25	HC-3910FSS25
No. 30 (600µm)	HC-3920FS30	HC-3910FS30	HC-3920FSS30	HC-3910FSS30
No. 35 (500µm)	HC-3920FS35	HC-3910FS35	HC-3920FSS35	HC-3910FSS35
No. 40 (425µm)	HC-3920FS40	HC-3910FS40	HC-3920FSS40	HC-3910FSS40
No. 45 (355µm)	HC-3920FS45	HC-3910FS45	HC-3920FSS45	HC-3910FSS45
No. 50 (300µm)	HC-3920FS50	HC-3910FS50	HC-3920FSS50	HC-3910FSS50
No. 60 (250µm)	HC-3920FS60	HC-3910FS60	HC-3920FSS60	HC-3910FSS60
No. 70 (212µm)	HC-3920FS70	HC-3910FS70	HC-3920FSS70	HC-3910FSS70
No. 80 (180µm)	HC-3920FS80	HC-3910FS80	HC-3920FSS80	HC-3910FSS80
No. 100 (150µm)	HC-3920FS100	HC-3910FS100	HC-3920FSS100	HC-3910FSS100
No. 120 (125µm)	HC-3920FS120	HC-3910FS120	HC-3920FSS120	HC-3910FSS120
No. 140 (106µm)	HC-3920FS140	HC-3910FS140	HC-3920FSS140	HC-3910FSS140
No. 170 (90µm)	HC-3920FS170	HC-3910FS170	HC-3920FSS170	HC-3910FSS170
No. 200 (75µm)	HC-3920FS200	HC-3910FS200	HC-3920FSS200	HC-3910FSS200
No. 230 (63µm)	HC-3920FS230	HC-3910FS230	HC-3920FSS230	HC-3910FSS230
No. 270 (53µm)	HC-3920FS270	HC-3910FS270	HC-3920FSS270	HC-3910FSS270
No. 325 (45µm)	HC-3920FS325	HC-3910FS325	HC-3920FSS325	HC-3910FSS325
No. 400 (38µm)	HC-3920FS400	HC-3910FS400	HC-3920FSS400	HC-3910FSS400
No. 450 (32µm)	HC-3920FS450	HC-3910FS450	HC-3920FSS450	HC-3910FSS450
No. 500 (25µm)	HC-3920FS500	HC-3910FS500	HC-3920FSS500	HC-3910FSS500
No. 635 (20µm)	HC-3920FS635	HC-3910FS635	HC-3920FSS635	HC-3910FSS635
No. 850 (10µm)	HC-3920FS850	HC-3910FS850	-	-
No. 1000 (2µm)	HC-3920FS1000	HC-3910FS1000	-	-



Sieve Size	Brass Frame Stainless Mesh			Stainless Frame Stainless Mesh	
	Full Height 3" (75mm)	Inter. Height 2" (50mm)	Half Height 1.625" (41mm)	Full Height 3" (75mm)	Half Height 1.625" (41mm)
4" (100mm)	HC-3912CS4.000	HC-3922CS4.000	HC-3932CS4.000	HC-3912CSS4.000	HC-3932CSS4.000
3-1/2" (90mm)	HC-3912CS3.500	HC-3922CS3.500	HC-3932CS3.500	HC-3912CSS3.500	HC-3932CSS3.500
3" (75mm)	HC-3912CS3.000	HC-3922CS3.000	HC-3932CS3.000	HC-3912CSS3.000	HC-3932CSS3.000
2-1/2" (63mm)	HC-3912CS2.500	HC-3922CS2.500	HC-3932CS2.500	HC-3912CSS2.500	HC-3932CSS2.500
2.12" (53mm)	HC-3912CS2.120	HC-3922CS2.120	HC-3932CS2.120	HC-3912CSS2.120	HC-3932CSS2.120
2" (50mm)	HC-3912CS2.000	HC-3922CS2.000	HC-3932CS2.000	HC-3912CSS2.000	HC-3932CSS2.000
1-3/4" (45mm)	HC-3912CS1.750	HC-3922CS1.750	HC-3932CS1.750	HC-3912CSS1.750	HC-3932CSS1.750
1-1/2" (37.5mm)	HC-3912CS1.500	HC-3922CS1.500	HC-3932CS1.500	HC-3912CSS1.500	HC-3932CSS1.500
1-1/4" (31.5mm)	HC-3912CS1.250	HC-3922CS1.250	HC-3932CS1.250	HC-3912CSS1.250	HC-3932CSS1.250
1.06" (26.5mm)	HC-3912CS1.060	HC-3922CS1.060	HC-3932CS1.060	HC-3912CSS1.060	HC-3932CSS1.060
1" (25.0mm)	HC-3912CS1.000	HC-3922CS1.000	HC-3932CS1.000	HC-3912CSS1.000	HC-3932CSS1.000
7/8" (22.4mm)	HC-3912CS.875	HC-3922CS.875	HC-3932CS.875	HC-3912CSS.875	HC-3932CSS.875
3/4" (19.0mm)	HC-3912CS.750	HC-3922CS.750	HC-3932CS.750	HC-3912CSS.750	HC-3932CSS.750
5/8" (16.0mm)	HC-3912CS.625	HC-3922CS.625	HC-3932CS.625	HC-3912CSS.625	HC-3932CSS.625
0.530" (13.2mm)	HC-3912CS.530	HC-3922CS.530	HC-3932CS.530	HC-3912CSS.530	HC-3932CSS.530
1/2" (12.5mm)	HC-3912CS.500	HC-3922CS.500	HC-3932CS.500	HC-3912CSS.500	HC-3932CSS.500
7/16" (11.2mm)	HC-3912CS.438	HC-3922CS.438	HC-3932CS.438	HC-3912CSS.438	HC-3932CSS.438
3/8" (9.5mm)	HC-3912CS.375	HC-3922CS.375	HC-3932CS.375	HC-3912CSS.375	HC-3932CSS.375
5/16" (8.0mm)	HC-3912CS.312	HC-3922CS.312	HC-3932CS.312	HC-3912CSS.312	HC-3932CSS.312
0.265" (6.7mm)	HC-3912CS.265	HC-3922CS.265	HC-3932CS.265	HC-3912CSS.265	HC-3932CSS.265
1/4" (6.3mm)	HC-3912CS.250	HC-3922CS.250	HC-3932CS.250	HC-3912CSS.250	HC-3932CSS.250
1/8" (3.17mm)	HC-3912CS.125	HC-3922CS.125	HC-3932CS.125	-	HC-3932CSS.125

**USA Standard
ASTM Calibration Test Sieves**

Calibration Test Sieves are used when the application demands the highest accuracy and repeatability available. Calibration Test Sieves start with our Standard ASTM Sieves and include an added calibration level verification. This verification measures about twice as many openings in the sieve as is done for an Inspection Sieve. Calibration Test Sieves provide a 99.73% level of confidence that the standard deviation of these openings is within the maximum allowed by ASTM. A Calibration verification is provided with each sieve.



CALIBRATION

12"
305mm

No. 3-1/2 (5.6mm)	HC-3912FSS3-1/2	HC-3922FSS3-1/2	HC-3932FSS3-1/2	HC-3912FSS3-1/2	HC-3932FSS3-1/2
No. 4 (4.75mm)	HC-3912FSS4	HC-3922FSS4	HC-3932FSS4	HC-3912FSS4	HC-3932FSS4
No. 5 (4.0mm)	HC-3912FSS5	HC-3922FSS5	HC-3932FSS5	HC-3912FSS5	HC-3932FSS5
No. 6 (3.35mm)	HC-3912FSS6	HC-3922FSS6	HC-3932FSS6	HC-3912FSS6	HC-3932FSS6
No. 7 (2.80mm)	HC-3912FSS7	HC-3922FSS7	HC-3932FSS7	HC-3912FSS7	HC-3932FSS7
No. 8 (2.36mm)	HC-3912FSS8	HC-3922FSS8	HC-3932FSS8	HC-3912FSS8	HC-3932FSS8
No. 10 (2.00mm)	HC-3912FSS10	HC-3922FSS10	HC-3932FSS10	HC-3912FSS10	HC-3932FSS10
No. 12 (1.70mm)	HC-3912FSS12	HC-3922FSS12	HC-3932FSS12	HC-3912FSS12	HC-3932FSS12
No. 14 (1.40mm)	HC-3912FSS14	HC-3922FSS14	HC-3932FSS14	HC-3912FSS14	HC-3932FSS14
No. 16 (1.18mm)	HC-3912FSS16	HC-3922FSS16	HC-3932FSS16	HC-3912FSS16	HC-3932FSS16
No. 18 (1.0mm)	HC-3912FSS18	HC-3922FSS18	HC-3932FSS18	HC-3912FSS18	HC-3932FSS18
No. 20 (850µm)	HC-3912FSS20	HC-3922FSS20	HC-3932FSS20	HC-3912FSS20	HC-3932FSS20
No. 25 (710µm)	HC-3912FSS25	HC-3922FSS25	HC-3932FSS25	HC-3912FSS25	HC-3932FSS25
No. 30 (600µm)	HC-3912FSS30	HC-3922FSS30	HC-3932FSS30	HC-3912FSS30	HC-3932FSS30
No. 35 (500µm)	HC-3912FSS35	HC-3922FSS35	HC-3932FSS35	HC-3912FSS35	HC-3932FSS35
No. 40 (425µm)	HC-3912FSS40	HC-3922FSS40	HC-3932FSS40	HC-3912FSS40	HC-3932FSS40
No. 45 (355µm)	HC-3912FSS45	HC-3922FSS45	HC-3932FSS45	HC-3912FSS45	HC-3932FSS45
No. 50 (300µm)	HC-3912FSS50	HC-3922FSS50	HC-3932FSS50	HC-3912FSS50	HC-3932FSS50
No. 60 (250µm)	HC-3912FSS60	HC-3922FSS60	HC-3932FSS60	HC-3912FSS60	HC-3932FSS60
No. 70 (212µm)	HC-3912FSS70	HC-3922FSS70	HC-3932FSS70	HC-3912FSS70	HC-3932FSS70
No. 80 (180µm)	HC-3912FSS80	HC-3922FSS80	HC-3932FSS80	HC-3912FSS80	HC-3932FSS80
No. 100 (150µm)	HC-3912FSS100	HC-3922FSS100	HC-3932FSS100	HC-3912FSS100	HC-3932FSS100
No. 120 (125µm)	HC-3912FSS120	HC-3922FSS120	HC-3932FSS120	HC-3912FSS120	HC-3932FSS120
No. 140 (106µm)	HC-3912FSS140	HC-3922FSS140	HC-3932FSS140	HC-3912FSS140	HC-3932FSS140
No. 170 (90µm)	HC-3912FSS170	HC-3922FSS170	HC-3932FSS170	HC-3912FSS170	HC-3932FSS170
No. 200 (75µm)	HC-3912FSS200	HC-3922FSS200	HC-3932FSS200	HC-3912FSS200	HC-3932FSS200
No. 230 (63µm)	HC-3912FSS230	HC-3922FSS230	HC-3932FSS230	HC-3912FSS230	HC-3932FSS230
No. 270 (53µm)	HC-3912FSS270	HC-3922FSS270	HC-3932FSS270	HC-3912FSS270	HC-3932FSS270
No. 325 (45µm)	HC-3912FSS325	HC-3922FSS325	HC-3932FSS325	HC-3912FSS325	HC-3932FSS325
No. 400 (38µm)	HC-3912FSS400	HC-3922FSS400	HC-3932FSS400	HC-3912FSS400	HC-3932FSS400
No. 450 (32µm)	HC-3912FSS450	HC-3922FSS450	HC-3932FSS450	HC-3912FSS450	HC-3932FSS450
No. 500 (25µm)	HC-3912FSS500	HC-3922FSS500	HC-3932FSS500	HC-3912FSS500	HC-3932FSS500
No. 635 (20µm)	HC-3912FSS635	HC-3922FSS635	HC-3932FSS635	HC-3912FSS635	HC-3932FSS635
No. 850 (10µm)	HC-3912FSS850	HC-3922FSS850	HC-3932FSS850	-	-
No. 1000 (2µm)	HC-3912FSS1000	HC-3922FSS1000	HC-3932FSS1000	-	-



SIEVE PANS & COVERS



Sieve Separator Pans

Description Dia x Depth	Brass	Stainless
3" x 1"	H-3913SP	—
3" x 3"	H-3913DSP	—
4" x 1.5"	H-3914SP	—
4" x 4"	H-3924SP	—
5" x 1"	H-3915SP	—
6" x 1.625"	H-3916SP	—
8" x 1"	H-3955SP	H-3955SSP
8" x 2"	H-3956SP	H-3956SSP
8" x 4"	H-3945SP	—
8" x 6"	H-3946SP	—
8" x 8"	H-3947SP	—
10" x 8"	H-3919SP	—
12" x 1"	H-3932SP	H-3932SSP
12" x 2"	H-3922SP	H-3922SSP
12" x 3.25"	H-3912SP	H-3912SSP
12" x 4"	H-3928SP	—
12" x 6"	H-3929SP	—
12" x 8"	H-3938SP	—

Sieve Bottom Pans

Description Dia x Depth	Brass	Stainless
3" x .625"	H-3913HP	H-3913SS
3" x 1"	H-3913P	—
4" x 1.5"	H-3914P	—
5" x 1"	H-3915P	—
6" x 1.625"	H-3916P	—
8" x 1"	H-3960P	H-3960SS
8" x 2"	H-3920P	H-3950SS
10" x 2"	H-3919P	—
12" x 1"	H-3932P	H-3932PSS
12" x 2"	H-3922P	—
12" x 3"	H-3912P	H-3912SS

Sieve Covers with Ring Handle

Description Dia x Depth	Brass	Stainless
3"	H-3913BC	H-3913SC
4"	H-3914BC	—
5"	H-3915BC	—
6"	H-3916BC	—
8"	H-3930BC	H-3930SC
10"	H-3919BC	—
12"	H-3912BC	H-3912SC



H-3903



H-3902

Sieve Set, Soil Analysis, 5" Dia.

These sieves are used by agricultural engineers for their accuracy and ease of handling. Frames are seamless brass with rolled edges and extended skirts for nesting. Set includes: (1) ea of: No. 10, 20, 40, 60, 80, 100 pan and cover.

Sieve Set, Soil Analysis, 5" Dia. H-3903

Shipping wt. 7 lbs (4.5kg)

Replacement Screens for Soil Analysis Sieves

Screen No.	Model
#10	H-3903.10
#20	H-3903.20
#30	H-3903.30
#40	H-3903.40
#50	H-3903.50
#60	H-3903.60
#80	H-3903.80
#100	H-3903.100
Cover	H-3915BC
Pan, 1" deep	H-3903P

Soil Analysis Sieve Set, 5" Dia. Perforated Plate

Set includes pan, cover and five metric perforated, plate sieves. Screening surfaces are perforated brass plate with 0.5mm, 1mm, 2mm, 3mm and 5mm size openings. Frames are 5" (127mm) dia. by 1.5" (38mm) deep.

Soil Analysis Sieve Set, Perforated Plate H-3902

Shipping wt. 7 lbs (4.5kg)



H-4100 Series



H-3881

H-3880



H-3949B

18" Dia. Stainless Frame, Stainless Mesh Riddle Sieves

ASTM E11, AASHTO M92

Stainless frame riddles (sieves), which are 4.5" deep, are made with stainless steel wire cloth and are used to wash, sift and strain samples used to drain off liquids and separate aggregates and dry materials in the sieve analysis of concrete and other materials.

Screen No.	Mesh Size	Model
4"	100mm	H-4109.4S
3.5"	90mm	H-4109AS
3"	75mm	H-4109S
2.5"	63mm	H-4108S
2.0"	50mm	H-4107S
1.5"	37.5mm	H-4106S
1.25"	31.5mm	H-4105S
1"	25.0mm	H-4105S
.875"	22.4mm	H-4104AS
.75"	19.0mm	H-4104S
.625"	16.0mm	H-4103AS
.5"	12.5mm	H-4103S
.375"	9.5mm	H-4102S
.25"	6.3mm	H-4101S
No. 3.5	5.60mm	H-4100.3S
No. 4	4.75mm	H-4100.4S
No. 5	4.00mm	H-4100.5S
No. 6	3.35mm	H-4100.6S
No. 7	2.80mm	H-4100.7S
No. 8	2.36mm	H-4100.8S
No. 10	2.00mm	H-4100.10S
No. 12	1.70mm	H-4100.12S
No. 14	1.40mm	H-4100.14S
No. 16	1.18mm	H-4100.16S
No. 18	1.00mm	H-4100.18S
No. 20	0.85mm	H-4100.20S
Cover		H-4100CS
Bottom Pan		H-4100PS

18" Stainless Frame, Riddle Sieves See chart

Shipping wt. 10 lbs (4.5kg)

Aggregate Washer

ASTM C117

Aggregate washers automatically wash soil and aggregate samples, removing fines passing a 200 sieve. Water is continuously fed into the revolving, inclined stainless steel drum via a permanent regulated connection, and the sample is gently agitated until overflow is clear. Overflow water is directed onto sieves to prevent loss of oversize material. Angle of drum is fixed. Waste water is directed to a nearby drain. Aggregate washer allows processing of large aggregate and soil samples up to 15lb. (7kg). Stainless steel drum size is 12" diameter x 13" high (304x330mm). Equipped with totally enclosed gear motors for drum rotation and include 6ft (1.8M) power cords with GFCI plugs.

Order USA Standard Sieve, 200 mesh separately from the chart below.

Aggregate Washer, 120V 60Hz H-3881

Aggregate Washer, 220V 50Hz H-3881.4F

Shipping wt. 116 lbs (52kg)

Sieves for use with Aggregate Washers

Description	Model
Standard, Full Height, No. 200 Mesh, 8" dia. Sieve	H-3920FS200
Standard, Full Height, No. 200 Mesh, 12" dia. Sieve	H-3912FS200
Standard, Full Height, No.16 Mesh, 8" dia. Sieve	H-3920FS16
Standard, Full Height, No. 16 Mesh, 12" dia. Sieve	H-3912FS16

Aggregate Washer, Table-Top Model

ASTM C117

This lightweight, table-top aggregate washer has a capacity of 8lb (3.6kg) and is designed to be located near a sink drain on a laboratory counter top. The easily removable drum that measures 9" diameter by 10.75" deep (229 x 273mm) is manufactured from stainless steel for rust and corrosion resistance. In operation, the washer applies a gentle agitation to the sample in the revolving drum until all particles are washed, separated and the overflow water runs clear. The unit is supplied complete with a permanent water connector with regulator valve, tubing, saddle valve, stainless steel goose-neck water tube with swivel connection and a 6-ft. power cord with GFCI plug for operator safety. **Order USA Standard Sieve, 200 mesh separately from the chart below.**

Aggregate Washer, 120V 60Hz H-3880

Aggregate Washer, 220V 50/60Hz H-3880.4F

Shipping wt. 33.1 lbs (18kg)

Aggregate Washer, Heavy Duty, Adjustable

ASTM C117

Heavy-duty aggregate washer with 15lb. (6.8kg) capacity removes clay, aggregate particles and water-soluble materials by the decanted wash water. Specimen is agitated sufficiently to completely separate all particles. Revolving drum is 10.75" dia. x 13" D (27 x 33cm) and locks in four tilting angled positions. Includes valve and .375" goose-neck water tube. Overall dimensions are 30" x 20" x 32" H (76 x 51 x 81cm). **Order USA Standard Sieve, 200 mesh separately from the chart below.**

Aggregate Washer, 120V 60Hz H-3949B

Aggregate Washer, 220V 50Hz H-3949B.5F

Shipping wt. 33.1 lbs (18kg)



H-4328
H-4328.2 (Bucket and
Sieves not included)



H-3806



H-3948



H-3823.8
H-3823.12



H-4391



Wet/Dry Sieve Shaker

Lightweight cast aluminum, electrically operated portable sieve shaker is designed for use with one or two 8" diameter full-height or four half-height testing sieves. Used for wet or dry screening of solid particles. When placed over a bucket or sink, the unit provides the necessary shaking motion and frees the operator from a fatiguing task.

The sieve shaker has the advantage of being portable for making dry, gross separations and is convenient in making reproducible wet separations. The sieves are held firmly in place by a friction fit of the sieve's nesting ring, so a pan having a nesting ring can be used in lieu of one sieve. All PVC-coated, 115V 60Hz for intermittent duty, 3-wire cord and plug, on-off switch, and a neoprene wet-protective motor cap. The H-4328.5F version includes the H-4328.1, a 220V 50Hz transformer.

Wet/Dry Sieve Shaker, 120V 60Hz H-4328

Wet/Dry Sieve Shaker, 220V 50Hz H-4328.5F

Shipping wt. 8.5 lbs (5kg)

Bucket, 5-gallon for H-4328

Bucket is notched to securely hold the H-4328 sieve shaker in place.

Bucket, 5-gallon for H-4328 H-4328.2

Shipping wt. 3 lbs (1.4kg)

Wet Washing Sieve Apparatus

ASTM C430, D1514, AASHTO T192

Controls spray and water pressure. Includes valve, pressure gauge, piping and H-3808 spray nozzle.

Wet Washing Sieve Apparatus H-3806

Shipping wt. 2.8 lbs (1.4kg)

Spray Nozzle Replacement H-3808

Shipping wt. 1 lb (.45kg)

Gauge Replacement H-3806.1

Shipping wt. 1 lb (.45kg)

Corps of Engineers Wash Screen Assembly

ASTM E11, AASHTO M92

Wash screen assembly is used to wash out fines from samples of base coarse materials. It is used for a rapid check of minus No. 200 fines in aggregate and soil samples. Assembly has a 10 to 12 lb. (4.5 to 5.4kg) capacity. It includes a 12" (305mm) dia. x 10" deep (254mm) brass frame with a No. 200 mesh detachable screen with a No. 10 backup screen for support. The assembly also includes a lift-out, No. 10 overload screen at midpoint. Easily disassembles for cleaning and replacing mesh.

COE Wash Screen Assembly H-3948

Shipping wt. 10 lbs (5kg)

No. 10 Lift-out, Overload Screen H-3948M10

Shipping wt. 2.3 lbs (.1kg)

No. 200 Mesh H-3948M200

Shipping wt. 0.7 lb (.5kg)

Wet Wash Sieve Stands

Stand for holding sieves for wet wash operations. Painted-steel construction available in 8" and 12".

Wet Wash Sieve Stand, 8" H-3823.8

Wet Wash Sieve Stand, 12" H-3823.12

Shipping wt. 6 lbs (2.6kg)



NOTES

All Wet Wash Sieves are available from 50-400 mesh.

Call 1-800-544-7220 to order mesh sizes not listed.

Sieve Set, Rocker-Type

For sieve analysis of coarse aggregates and other materials. Consists of a 12" (305mm) square frame with handles mounted on a collector box with rockers. Includes 3" (76.1mm), 2" (50.8mm), 1.5" (38.1mm), 1" (25.4mm), .75" (19.0mm), .5" (12.7mm), .375" (9.51mm) and No. 4 ASTM wire screen plates with square openings

Screen plates finer than No. 20 mesh are not recommended for this unit. Screens are held in place with two locking devices on opposite sides. All screens can be clamped into frame for carrying or storage. OD 15.25" x 12.25" x 10" (387 x 311 x 354mm). Replacement screens are available, see chart below.

Replacement Screens for Rocker-Type Sieves

Screen No.	Mesh Size	Model
4"	100mm	H-4391.004
3.5"	90mm	H-4391.008
3"	75mm	H-4391.010
2.5"	63mm	H-4391.012
2.0"	50mm	H-4391.020
1.5"	37.5mm	H-4391.250
1.25"	31.5mm	H-4391.312
1"	25.0mm	H-4391.375
.875"	22.4mm	H-4391.438
.75"	19.0mm	H-4391.500
.625"	16.0mm	H-4391.625
.5"	12.5mm	H-4391.750
.375"	9.5mm	H-4391.1000
.25"	6.3mm	H-4391.1250
No. 3.5	5.60mm	H-4391.1500
No. 8	2.36mm	H-4391.2500
No. 10	2.00mm	H-4391.3500
No. 12	1.70mm	H-4391.4000

Sieve Set, Rocker-Type

H-4391

Shipping wt. 24 lbs (19kg)



H-3945



H-3942, H-3943



H-3807

Wet-Wash Sieves, Deep Frame

ASTM E11, AASHTO M92

Wet-wash sieves are used in the determination of fines content or to wash away fines when preparing samples for particle size testing. They are available in 8" and 12" diameters with depths of 4", 6" and 8". Sieves are constructed of brass frames with either stainless steel cloth or stainless steel cloth with a back-up cloth for durability. These sieves can also be ordered in almost any size mesh material 20 mesh and finer, call 1.800.544.7220 for availability. The chart below lists the most popular sizes.

No. 200 SS Mesh Wet Wash Sieves, Deep Frame (other mesh sizes available, inquire: 1.800.544.7220)

Size in. (mm)	Ship wt. lbs. (kg)	Model (w/back-up cloth)
8" x 4" (203 x 102mm)	3.5 (3.2)	H-3945 (H-3945RC)
8" x 6" (203 x 152mm)	2.7 (3.6)	H-3946 (H-3946RC)
8" x 8" (203 x 203mm)	3.7 (4.0)	H-3947 (H-3947RC)
12" x 4" (305 x 102mm)	4.1 (5.0)	H-3928FS200 (H-3928FS200RC)
12" x 6" (305 x 152mm)	5.1 (5.9)	H-3929FS200 (H-3929FS200RC)
12" x 8" (305 x 203mm)	5.8 (6.3)	H-3938FS200 (H-3938FS200RC)

Wet Washing Sieves, Deep Frame See chart

Wet Wash Sieves, Replaceable Mesh

ASTM E11, AASHTO M92

These sieves feature cost-effective, replaceable

sieve cloth and mesh backups, which extend cloth life, as well as allow quick replacement of damaged screens. Sieves are available in either No. 200 or 325 mesh sizes with a No. 10 backup screen included. Screen material is held securely between rubber gaskets and bolted to the frame. Replacement sieve material is available in sizes 20 mesh and finer— call for availability.

No. 200 SS Mesh and back-up cloth

Size in. (mm)	Ship wt. lbs. (kg)	Model
8" x 4" (203 x 102mm)	2.8 (3.2)	H-3942
8" x 6" (203 x 152mm)	6 (3.6)	H-3943

No. 325 SS Mesh and back-up cloth

Size in. (mm)	Ship wt. lbs. (kg)	Model
8" x 4" (203 x 102mm)	2.8 (3.2)	H-3942FS325
8" x 6" (203 x 152mm)	6 (3.6)	H-3943FS325

8" Replacement Mesh only

Mesh Size	Ship wt. lbs. (kg)	Model
No. 200 SS	0.25 (.5)	H-3942.200
No. 325 SS		H-3942.325

Wet Wash Sieves, Replaceable Mesh See chart

Replacement 147Gasket for wet wash sieve

Mesh Size	Ship wt. lbs. (kg)	Model
8" (203mm)	0.25 (.5)	H-3942G

Cement Wet Washing Sieves

ASTM E11; AASHTO M92

Stainless steel mesh sieves with nickel-plated brass frame have replaceable mesh and solder-less construction. Sieves include three, screwed-on legs for support and to facilitate sample drying on hot plates and in ovens. Legs are quick and easy to remove to facilitate mesh replacement. These sieves are available in all mesh sizes from 50 to 400 mesh, for those not listed, contact Humboldt: 1.800.544.7220.

Description	Model
2" x 3" high (52 x 76mm) with No. 325 replaceable mesh	H-3807
3" x 3.5" H (76 x 89mm) w/ No. 200 replaceable mesh	H-3804
4" x 4.5" H (102 x 114mm) w/ No. 200 replaceable mesh	H-3803
4" x 4.5" H (102 x 114mm) w/ No. 325 replaceable mesh	H-3809
2" dia. No. 325 replacement mesh disk	H-3807.325
3" dia. No. 200 replacement mesh disk	H-3804.200
4" dia. No. 200 replacement mesh disk	H-3809.200
Replacement Leg	H-3807.4
Replacement Screw	H-3807.5

Cement, Wet Washing Sieves See chart



NOTES

Other Mesh sizes available, inquire: 1-800-544-7220.





63 _____

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SPR 6



H-4310



H-4326A

H-4315A
(includes wheels)

H-4316



H-4317

Humboldt, Hand-Operated Sieve Shaker ASTM C136

The Humboldt, hand-operated sieve shaker can be used with 3", 5" and 8" sieves. It can handle up to ten 8" sieves, twelve 5" sieves, sixteen 3" full-height sieves or eighteen half-height 8" sieves. Unit should be bolted to bench for correct operation. Dimensions 15"w x 15"d x 45"h (380 x 380 x 1143mm).

Humboldt, Hand-Operated Sieve Shaker H-4310

Shipping wt. 54 lbs (22kg)

Sieve Shaker for 3" Sieves

Small, simple shaker for use with 3" sieves. Unit vibrates at 2000 vpm and creates a cyclonic effect, which produces a sieving action. Will accommodate up to six 3" sieves and uses a 1/20 hp motor.

Sieve Shaker, 3" Sieves, 115V 60Hz H-4326A

Shipping wt. 9.7 lbs (2.7kg)

UltraQuiet™ Mary Ann Laboratory Sifter ASTM C136

The UltraQuiet™ Mary Ann® Laboratory Sifter continues to be the industry standard for accurately sifting aggregates into proper particle sizes. The Mary Ann units are UltraQuiet™, and include wheels for easy relocation around the lab. They also provide a SieveRack™ under the unit for easy storage of sieves. Inside the handmade enclosure 8" or 12" sieves can be stacked up to 26" in height and placed inside the Mary Ann without clamping. The Mary Ann features wood hammers that preserve the integrity of your sieves, helping you avoid sieve inspection failures. The inclined, rotating stack of sieves provides a gentle and thorough tumbling action, which allows the particles to pass through the mesh. The sifting process is repeated on the smaller meshed sieve—and so on down through the stack. Assembled Sifter requires 18" x 40" (457 x 1016mm) of floor space. Unit Dimensions: 18" x 26" x 58" (457 x 660 x 1473mm). Sieve Capacity with Pan: Full Height: (10) 8" Sieves or (6) 12" Sieves; Half Height: (20) 8" Sieves or (13) 12" Sieves; Intermediate Height: (11) 12" Sieves

UltraQuiet™ Mary Ann® Sifter, 120V 60Hz H-4315A

UltraQuiet™ Mary Ann® Sifter, 230V 50Hz H-4315A.5F

Shipping wt. 150 lbs (68kg)

Silent Sifters® ASTM C136

Silent Sifters® significantly reduce noise levels of sieving operations with no loss in performance and accuracy. Sieve stack capacity ranges from six 12" dia. full-height sieves with pan, or up to twenty 8" dia. half-height sieves with pan. Particle size range is No. 4 to No. 635 (4.75mm to 20µm).

Hammer assemblies are constructed of 6061 aluminum alloy with Ultra-High Molecular Weight (UHMW) Polyethylene heads. The rugged painted case is dense, impact-resistant MDF board and is mounted on a sturdy, powder-coated ASTM A513 heavy steel tubing stand. The system is driven by a dependable 1/4hp continuous-duty motor. Enclosed cabinets allow safe, dust-free operation. Sieve stacks are simply placed inside and the cabinet is rotated back to the testing position using an ergonomic knob, with no clamping required. Six rubber-covered stainless steel drive rollers continuously rotate the sieve stack, and particle separations are assisted by tapping against the stack. The Silent Sifter® II is the newest and most unobtrusive member of the Rotary Sifter line. This Sifter uses advanced soundproofing materials and techniques for models 16-18dB quieter than standard rotary sifters and 8-10dB quieter than the Silent Sifter®.

Silent Sieve Sifter® II, 120V 60Hz H-4316

Silent Sieve Sifter® II, 220V 50Hz H-4316.5F

Silent Sieve Sifter®, 120V 60Hz H-4317

Silent Sieve Sifter®, 220V 50Hz H-4317.5F

Shipping wt. 140 lbs (64kg)





H-4320, H-4322



H-4322

H-4324
Shown with
H-3222 inside



H-4320.4

Ro-Tap® Sieve Shaker, 8" Sieves
ASTM C136

The Ro-Tap® sieve shaker provides a compact design and aggressive sieving action. This shaker provides 278 oscillations and 150 taps per minute to produce an effective sieving action. It is powered by a 1/4 hp motor and provides a built-in 99 minute step-down timer. Unit holds up to six, 8" full-height (2") sieves, plus a full-height pan. Dimensions: 28" x 21" x 25" (711 x 533 x 635mm).

- Ro-Tap® 8" Sieve Shaker, 120V 60Hz H-4320
- Ro-Tap® 8" Sieve Shaker, 220V 60Hz H-4320.2F
- Ro-Tap® 8" Sieve Shaker, 230V 50Hz H-4320.5F

Shipping wt. 172 lbs (86kg)

Ro-Tap® Sieve Shaker, 12" Sieves
ASTM C136

The Ro-Tap® sieve shaker provides a compact design and aggressive sieving action. This shaker provides 278 oscillations and 150 taps per minute to produce an effective sieving action. It is powered by a 1/4 hp motor and provides a built-in 99 minute step-down timer. Unit holds up to six, 12" intermediate-height (2") sieves, plus a 2" pan. Dimensions: 28" x 21" x 25" (711 x 533 x 635mm).

- Ro-Tap® 12" Sieve Shaker, 120V 60Hz H-4322
- Ro-Tap® 12" Sieve Shaker, 220V 60Hz H-4322.2F
- Ro-Tap® 12" Sieve Shaker, 230V 50Hz H-4322.5F

Shipping wt. 172 lbs (86kg)

Sound Enclosure, Ro-Tap®

This sound enclosure can be used with either 8" or 12" Ro-Tap® shakers (H-4320 and H-4322). Cabinet is lined with 1" (25.4mm) of foam for sound deadening. Air vents are built in.

Sound Enclosure, Ro-Tap® H-4324
Shipping wt. 120 lbs (41kg)

Shaker Stand for Ro-Tap®

Sturdy lightweight, aluminum stand can be used with either 8" or 12" Ro-Tap® shakers (H-4320 and H-4322).

Shaker Stand for Ro-Tap® H-4320.4
Shipping wt. 50 lbs (13kg)

Sieve Shaker Comparison Chart Use the chart below to check and compare specifications between the various Sieve Shakers.

Description	Model	Sieve dia.		Sieve capacity*			ASTM	Timer Minutes	Requires Mounting	Motor HP	Dimensions W x D x H
		in.	mm	full	inter.	half					
Humboldt Sieve Shaker, Digital Timer Humboldt Sieve Shaker, Digital, Variable Humboldt, Economy Sieve Shaker	HA-4325	3	76	16			C136	60	Yes	1/4	15" x 15" x 45" (381 x 381 x 1143mm)
	HA-4325V	5	127	12				60			
	H-4325	8	203	10		18		30			
Large Sieve Shaker, Digital Timer Large Sieve Shaker, Digital, Variable Large Economy Sieve Shaker	HA-4330	8	203	11		19	C136	60	Yes	1/4	21" x 18" x 47" (533 x 457 x 1194mm)
	HA-4330V	10	254	7				60			
	H-4330	12	305	7	11	13		30			
8" Hand Sieve Shaker	H-4310	3	76	16			C136	30	Yes	1/4	15" x 15" x 45" (381 x 381 x 1143mm)
		5	127	12							
		8	203	10		18					
UltraQuiet™ Mary Ann Sieve Sifter	H-4315A	8	203	10		20	C136	99	No	1/3	18" x 40" footprint (457 x 1016mm)
		12	305	6	11	13		Digital			
Silent Sieve Sifter® Silent Sieve Sifter® II	H-4317 H-4316	8	203	10		20	C136	99	No	1/3	19" x 24" x 58" (483 x 610 x 1473mm)
		12	305	6		12		Digital			
Ro-Tap® Sieve Shaker	H-4320	8	203	6		13	C136	99 Digital	No	1/4	28" x 21" x 25" (711 x 533 x 635mm)
Ro-Tap® Sieve Shaker	H-4322	12	305	4	6		C136	99 Digital	No	1/4	28" x 21" x 25" (711 x 533 x 635mm)

* Includes top cover and pan.



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44

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Deluxe Specific Gravity Bench

ASTM C20, C127, C642, C830, D1188, D2041, D2726; AASHTO T85, T166, T209, T275

Our specific gravity weighing bench is 46" (1168mm) tall with a 31" x 25" (787 x 635mm) platform top, which includes a hole to accommodate the weigh-below scale; and, a crank-operated shelf that lets you bring the water tank up to the sample, making for easier sample immersion.

Bench ONLY.

Deluxe Specific Gravity Bench **H-2710A.1**

Shipping wt. 116 lbs (52kg)

Deluxe Specific Gravity Bench Set

ASTM C20, C127, C642, C830, D1188, D2041, D2726; AASHTO T85, T166, T209, T275

The deluxe specific gravity bench set includes our deluxe bench, a H-2712A specific gravity tank kit with heater and circulating pump.

Order a weigh-below scale and sample containers separately.

Specific Gravity Set, 120V 60Hz **H-2713B**

Specific Gravity Set, 220V 50/60Hz **H-2713B.4F**

Shipping wt. 110 lbs (48kg)

Specific Gravity Tank with Heater & Circulator

ASTM C20, C127, C642, C830, D1188, D2041, D2726; AASHTO T85, T166, T209, T275

26 gal. (98.4L) polyethylene tank, which measures 18" x 18" x 18" and comes with a drain valve and overflow port. It also comes with a H-2712A.6, 200-watt, durable tank heater and circulating pump, both of which are attached to a stainless steel mounting bracket that holds both securely to the tank.

Tank w/ Heater & Circulator

120V 60Hz **H-2712A**

220V 50/60Hz **H-2712A.4F**

Shipping wt. 18 lbs (8kg)

Heater/Circulator Assembly

Comprised of a 200-watt, durable tank heater and circulating pump attached to stainless steel bracket that hangs on specific gravity tank to maintain constant temperature bath.

Heater/Circulator Assembly

120V 60Hz **H-2712A.6**

220V 50/60Hz **H-2712A.6.4F**

Shipping wt. 3.5 lbs (2kg)

Compact Specific Gravity Bench Set

ASTM C20, C127, C642, C830, D1188, D2041, D2726; AASHTO T85, T166, T209, T275

The compact specific gravity bench set includes our compact bench, which measures 15.75" x 19.75" x 39" High (400 x 502 x 991mm) and includes a hole to accommodate the weigh-below scale. It includes a 10-gallon polyethylene tank with internal dimensions of 12" x 12" x 18" (305 x 305 x 457mm) The tank comes with a drain valve and overflow port. It also comes with a H-2712A.6, 200-watt, durable tank heater and circulating pump, both of which are attached to a stainless steel mounting bracket that holds both securely to the tank. The compact specific gravity bench includes two sample containers, a 7.5" dia x 7.4" tall (191 x 191mm) container and a 5.5" x 8.25" (140 x 210mm) open, wired holder.

Order a weigh-below scale separately.

Specific Gravity Set, 120V 60Hz **H-2717**

Specific Gravity Set, 220V 50/60Hz **H-2717.4F**

Shipping wt. 110 lbs (48kg)

Compact Specific Gravity Tank with Heater & Circulator

ASTM C20, C127, C642, C830, D1188, D2041, D2726; AASHTO T85, T166, T209, T275

Includes a 10-gallon polyethylene tank with internal dimensions of 12" x 12" x 18" (305 x 305 x 457mm) The tank comes with a drain valve and overflow port. It also comes with a H-2712A.6, 200-watt, durable tank heater and circulating pump, both of which are attached to a stainless steel mounting bracket that holds both securely to the tank.

Compact Tank w/ Heater & Circulator

120V 60Hz **H-2716**

220V 50/60Hz **H-2716.4F**

Shipping wt. 18 lbs (8kg)

NOTES

Recommended scales for use with specific gravity benches can be found on the next page.











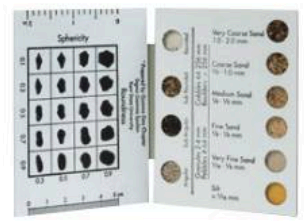
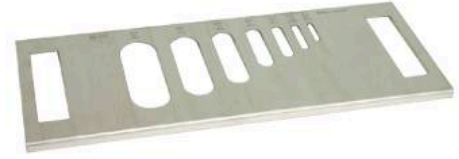
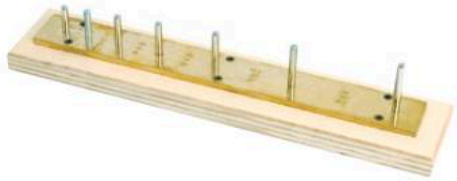
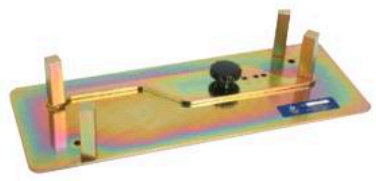




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Form with three horizontal lines and a vertical line on the left side, likely for data entry.



H-3419A

H-3417

Equotip 550

Extensively used for rock hardness and for investigating weathering effects on rocks. Can be used for correlation to unconfined or uniaxial compressive strength (UCS); testing on weak rocks, porous rocks and those with thin weathering crusts; cores; rectangular blocks and investigations of hardness near edges of samples. The impact energy of the Device D is approximately 1/200th that of the Type N rebound hammer. This makes it very suitable for testing on historical sites, very soft types of rock that cannot be tested with a rebound hammer and also on brittle rock cores that would be damaged by a rebound hammer. The impact Device S features the same impact energy, but with a much more durable ceramic impact body that is more suited to heavy users on harder rock. The Basic Unit includes: Equotip Touchscreen incl. Battery, Power Supply, USB Cable, Surface Roughness Comparator Plate, DVD with Software, Documentation, Carrying Strap and Carrying Case. **Order Device D or Device S separately. Both devices come with the appropriate calibration blocks.**

Equotip 550 Basic Unit **H-3417**

Shipping wt. 4.9 lbs (2.2kg)

Equotip Accessories

Item	Part No.
Equotip Leeb Impact Device S with calibration blocks	H-3417.1
Equotip Leeb Impact Device D with calibration blocks	H-3417.2
Device Cable 5 ft (1.5m)	H-3418.3
Device Cable 15 ft (5m)	H-3418.4

RockSchmidt

ASTM D5873

The RockSchmidt is a variation of the Silver-Schmidt rebound hammer, which has been adapted specifically for rock testing applications, such as UCS correlations or the prediction of penetration rates for tunnel boring machines and rotary drum cutters.

The following features of the hammer make it ideal for rock testing applications:

Impact Angle Independence: The rebound value is independent of the impact direction.

Optimized for Field Work: Tighter sealing against dirt and dust intrusion for longer life. Significantly lighter and more ergonomic than the classic Schmidt hammer. A large number of readings can be saved and downloaded later to a PC.

Preset Statistics: Statistics methods recommended by ISRM and ASTM are implemented into the hammer for automatic calculation of the rebound number. The option is also there to define a user specific statistics method.

Unconfined Compressive Strength: ISRM recommends a correlation between UCS and the rebound value based on the formula $UCS = aebR$ (where R is the rebound value). A correlation in this format may be defined in the PC software and downloaded onto the RockSchmidt.

Young's (E-) Modulus: ISRM recommends a correlation between elastic modulus and the rebound value based on the formula $E_t = cedR$ (where R is the rebound value). A correlation in this format may be defined in the software and downloaded to the RockSchmidt.

Weathering Grade: Impacting on the same location twice can be used to correlate to weathering grade. The ISRM recommended method has been included in the device. RockSchmidt, includes battery charger with USB cable, DVD with PC software, carrying strap, grinding stone, documentation and carrying bag.

RockSchmidt Specifications	
Impact Energy	N: 2.207Nm
Max. Impacts	99 per series
Battery Life	5000 impacts
IP Classification	IP54

RockSchmidt Hammer **H-3419A**

Shipping wt. 4.9 lbs (2.2kg)



H-3420



H-3422



HS-4158



HS-4170

HS-4171

Moh's Scale of Hardness

Designed to determine mineral hardness by the scratch test method. Set includes 9 specimens, from talc to carborundum. Numbered specimens are keyed to descriptions inside box cover.

Moh's Scale of Hardness H-3422
 Shipping wt. 2 lbs (1kg)

Scratch Hardness Tester

Determines quantity of soft particles in coarse aggregates on basis of scratch hardness. Apparatus consists of 0.0125" (1.6mm) dia. brass rod with rounded point inserted into plunger. Overall weight of brass point and plunger is 2 ± 0.1 lbs (8.9 ± 0.4 N). Plunger is mounted on support stand, permitting plunger to lower and raise freely. Furnished with (1) replacement brass rod.

Scratch Hardness Tester H-3420
 Shipping wt. 16 lbs (7kg)

Accessories

Item	Part No.
Brass Rods (pkg. of 10) for H-3420	H-3421

Aggregate Impact Value

Used to determine the impact value of aggregates and select them for a given application. The device has a trip-action hammer release, blow counter device and a built-in operator safety device. Heavy-duty construction with hardened steel surfaces for minimum wear. The complete assembly is cadmium plated for corrosion protection. Includes counter, mold and tamping rod.

Aggregate Impact Value HS-4158
 Shipping wt. 36 lbs (16.5kg)

Aggregate Crushing Value

The aggregate crushing value provides a relative measure of the resistance of an aggregate to crushing under a gradually applied compressive load. Consists of a piston, piston cover, base plate, tamping rod and measure. Available in two sizes 150mm and 75mm.

Aggregate Crushing Value, 75mm HS-4170
 Aggregate Crushing Value, 150mm HS-4171
 Shipping wt. 33 lbs (15kg)



Hoek Cells

Hoek cells are used to measure the strength of cylindrical rock specimens, which are subjected to triaxial compression. They are comprised of a steel body and two steel end caps, which are screwed to the body of the cell when in use. The body has two, self-sealing couplings; one of them is for connecting to the hydraulic pressure system, the other is for de-airing the cell chamber and the attachment of a pressure measurement device. Four sizes are available.

Hoek Cell, 30mm	HS-4159
Hoek Cell, 42mm	HS-4160
Hoek Cell, 55mm	HS-4161
Hoek Cell, 1.5"	HS-4162
Shipping wt. 33 lbs (15kg)	

Hoek Cell Membranes

Flexible membranes for use with Hoek Cells.

Hoek Cell Membrane, 30mm	HS-4159.1
Hoek Cell Membrane, 42mm	HS-4160.1
Hoek Cell Membrane, 55mm	HS-4161.1
Hoek Cell Membrane, 1.5"	HS-4162.1
Shipping wt. 36 lbs (16.5kg)	

Weight per Gallon Cup

ASTM D244

Weight per Gallon Cups are used to quickly and accurately determine the weight per gallon, and also the specific gravity of paints, etc. Capacity of 83.2cc. Includes cover.

Weight per Gallon Cup	HP-1108
Shipping wt. 0.5 lbs (0.2k)	

Falling Sand Abrasion Tester

ASTM D333, D968, D1395, D2205

The falling sand test determines the abrasion resistance of coatings, such as paint, varnish, lacquer and related products. The test panel is enclosed in a receptacle with a window. Ottawa natural silica sand is considered the standard use in this test because of its known characteristics. Order H-3820 Ottawa silica test sand separately.

Falling Sand Abrasion Tester	HP-1160
Shipping wt. 110 lbs (50kg)	