



Sample Splitter Specifications

Model	Gilson #	Maximum Particle Size in. (mm)	Hopper Capacity ft3 (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	4" (102)	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	2" (51)	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	1.125" (28.6)	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	1.5" (38)	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	1" (25)	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	2" (51)	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 4" (102mm) 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 2" (51mm). 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 1" (25mm) 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	8	12
2	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-4393	-	-	-	-	-	48	16	24	16	12	8	6	4





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 103.7"³ (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)

