

Gilson Sandsplitter Produktdatablad



Maximum Particle Size	<p>SP-0: 4in (102mm)</p> <p>SP-1: 2in (51mm)</p> <p>SP-2: 1.5in (38.1mm)</p> <p>SP-2.5: 1in (25.4mm)</p>
Hopper Capacity	<p>SP-0: 3.5ft³ (99.1L)</p> <p>SP-1: 1.0ft³ (28.3L)</p> <p>SP-2: 0.55ft³ (15.6L)</p> <p>SP-2.5: 0.28ft³ (7.9L)</p>
Number of Chute Bars	<p>SP-2: 36</p> <p>SP-0, SP-1 and SP-2.5: 48</p>
Chute Angle	<p>SP-0 and SP-2.5: 60°</p> <p>SP-1 and SP-2: 45°</p>
Chute Bar Width	<p>SP-0: 1in (25mm)</p> <p>SP-1 and SP-2: 0.5in (13mm)</p> <p>SP-2.5: 0.25in (6mm)</p>
Product Dimensions	<p>SP-0: 56 x 26 x 41in (1,422 x 660 x 1,041mm), WxDxH</p> <p>SP-1: 29 x 19 x 39in (737 x 483 x 990mm), WxDxH</p> <p>SP-2: 22 x 14.5 x 20.5in (559 x 368 x 521mm), WxDxH</p> <p>SP-2.5: 15.5 x 12.5 x 17.5in (394 x 318 x 445mm), WxDxH</p>
Estimated Shipping Weight	<p>SP-0: 465.0lb (210.92kg)</p> <p>SP-1: 134.0lb (60.78kg)</p> <p>SP-2: 71.0lb (32.21kg)</p> <p>SP-2.5: 51.0lb (23.13kg)</p>

Meets Standard(s):

- [AASHTO T 248](#)
- ,
- [ASTM C702/702M](#)
- ,
- [AASHTO R 76](#)

Gilson Universal Splitters are the most versatile sample dividers available for true representative specimens when reducing samples. Each splitter features our exclusive, adjustable chute system and proprietary lever-release hopper. The lever-release hopper exclusive feature assures top accuracy when reducing bulk materials. These features result in the most accurate and precise sample reduction.

Each of these agile workhorses takes the place of two or more conventional splitters with just a few quick adjustments. Selecting the optimum chute width for each material yields, accurate representative sample splits without bridging. The lever-release hoppers allow level placement of the bulk sample for even, consistent flow over the chutes as the gate is opened.

Universal Splitter chutes are formed by a series of precision-machined aluminum bars pivoting on a rod through their lower ends to direct equal amounts of material to each side into sample collection pans. The operator arranges the precision-ground bars equally on alternate sides, creating V-shaped chutes of the desired width. Once set, the bars are drawn together by tightening wing nuts on the threaded ends of the rod. The lever-release hopper can be opened, and the material is evenly distributed to two pans on each side. All splitters include a set of two pans or four pans for the SP-0 model.

The SP-0 and SP-1 models allow representative splitting of sample volumes and particle sizes not available anywhere else.

SP-0 Universal Splitter has a 3.5ft³ (99.1L) hopper and is built for large-volume bulk aggregate or raw coal samples. Other large samples with a particle size up to 4in (102mm) can be accurately reduced with this rugged divider. This larger model has a standard 60° chute slope to improve the material flow of lighter and finer materials while meeting certain coal or coke testing specifications. Order additional pans as [**SPA-400**](#) with 31qt. (29L) capacity. The [**SPA-450**](#) Lift Cart is recommended for landing fully loaded pans.

SP-1 Universal Splitter is a rugged floor model for laboratory or field use of materials with particle sizes up to 2in (51mm) with a large 1.0ft³ (13L) hopper capacity. The convenient size and wide range of available accessories make the SP-1 our most versatile splitter. Chutes are sloped at 45° best suited for mineral aggregates. Order additional pans as [**SPA-100**](#) with 24qt. (22.7L) capacity. Also available for the SP-1 is the [**SPA-**](#)

Z Dust Enclosure Adapter Set that creates a fully enclosed structure to reduce dust. The **SPA-102** Chute Attachment can be ordered as an accessory to replace one pan to permit the direct loading of material into a bag or container. **PSA-114** Porta Wheels are also an accessory to the SP-1 and can easily bolt to the splitter legs for added mobility.

SP-2 Universal Splitter is compact and more durable than conventional portable splitters and provides accurate and representative samples for a wide range of materials. These lightweight models have an ample 0.55ft³ (15.8L) hopper capacity for materials up to 1.5in (38mm) and are convenient for floor or benchtop positions. Chutes have 45° chute angles better suited to mineral aggregates. Order additional pans as **SPA-101** with a capacity of 14qt (13L).

SP-2.5 Universal Splitter is widely used for fine mineral aggregates up to 1in (25mm) and is rugged enough for field or laboratory use. It has a 0.28ft³ (7.9L) hopper capacity and a standard 60° chute slope to improve the material flow of lighter and finer materials. The frame is painted steel, and most contact parts are stainless steel except for the anodized aluminum chute bars. Purchase the **SPA-109** Dust Enclosure Kit to reduce dust. Order additional pans as **SPA-108** with a capacity of 5.3qt (5L).

Features:

- Adjustable-width chutes offer optimal versatility for reducing bulk samples
- Lever-release gated hoppers enable samples to flow evenly across the entire width of chutes
- Five capacities for up to 5in topsize
- Compliant with multiple ASTM and AASHTO standards

Included Items:

- Gilson Universal Splitter
- (2) Sample Collection Pans or Four Pans for SP-0

Accessories:

- SPA-100 **24qt Steel Sample Pan** fits splitter as collection pan
- SPA-101 **14qt Steel Sample Pan** is for use with SP-2 Splitter for collecting samples
- SPA-108 **Pan for SP-2.5** has a 5.3qt capacity and is for collecting samples
- SPA-400 **31qt Steel Sample Pan** serves as an accessory sample pan for SP-0 Splitter
- HMA-68 **Material Handling Chute** for loading, filling, and handling of bulk materials
- PSA-114 **Porta Wheels** for use with SP-1 easily attach to splitter frame for ease of mobility
- SPA-102 **Chute Attachment** for SP-1 used instead of a pan to load materials into bags or other containers
- SPA-109 **Dust Enclosure Kit** for SP-2.5 for reduction or elimination of nuisance dust in the laboratory
- SPA-114 **Fixed Chute Adapter** for SP-1 converts floor-standing splitter into fixed chute mode
- SPA-450 **Lift Cart** for SP-0 allows safe and easier moving of loaded sample pans
- SPA-7 **Dust Enclosure Adapter Set** for SP-1 is used to completely enclose the splitter to control dust and reduce the loss of sample

ACCESSORIES



24qt. Steel Sample Pan



14qt. Steel Sample Pan



Sample Pan for SP-2.5



31qt. Steel Sample Pan



Material Handling Chute



Porta-Wheels



Chute Attachment for Sample Splitter



Dust Enclosure Kit for SP-2.5



2.25in Fixed Chute Adapter for SP-1 Sample Splitter



Sample Pan Lift Cart for SP-0 Universal Splitter



Dust Enclosure Adapter Set for SP-1