

Sample Reducer SP-50



SP-50 shown with SPA-51

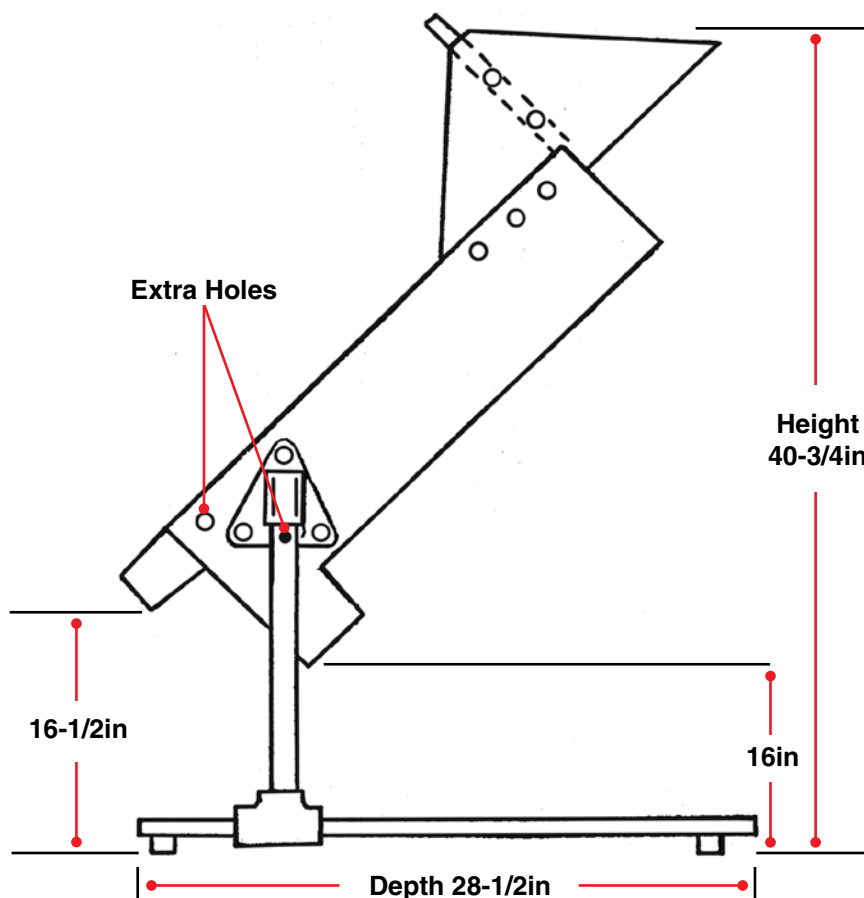


Figure 1

INTRODUCTION:

The 16 to 1 Sample Reducer is an inclined-plane splitter, comprised of a series of holes and prisms, which divide the sample material flowing across it into fractions. The material falling through the holes and into the pan behind is 15/16 of the total volume. The material that reaches the bottom of the table is 1/16 of the total sample volume and is the 1/16 split which is collected in a sample pan placed at the bottom of the Sample Reducer under the spout.

OPERATING INSTRUCTIONS:

The Sample Reducer is factory set at a 45° angle of inclination, however additional holes on the side are provided to set the splitter at a 60° angle (see Figure 1). To change the angle of inclination, remove the bottom bolts and tilt the splitter at a 60° angle, replacing the bolts in the 60° holes.

(Continued on back.)

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PARTS DIAGRAM:

Part No.	Description
1	Splitter Casting
2	Body Pan
3	Body End Plate
4	Hopper
5	Slide Gate
6	Spout Casting
7	Wall Bracket </td
8	Tee Connector
9	30in Tube (Horizontal)
10	24in Tube (Vertical)
11	Rubber Foot
12	End Cap for Tubing
13	Knob for Slide Gate
14	Allen Wrench for Pipe Brackets



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Parts Diagram