



# Universal Splitters

## SP-0, SP-1, SP-2, SP-2.5, SP-3, SP-33



SP-0



SP-1



SP-2



## Operating Instructions:

1. Adjust splitter bars for desired chute width as follows:

- Loosen two wing nuts, one on each end of the splitter.
- In the “open” position, lock the hopper by using the Safety Lock beside the hand lever.

**NOTE: It is NOT necessary on models SP-0, SP-3 and SP-33k.**

- To form alternate right and left chutes of desired width, flip the adjustable chute bars back and forth. A chute width of two to three times material top size is recommended.
2. Place the sample in closed hopper, as you pour and level by hand unit the material is evenly distributed from side-to-side and front to back in the hopper.
3. Open gates of hopper using a smooth, fast motion of the hand lever. A sample will divide to half the original portion in each of the bottom pans.

**NOTE: Hopper gate of Models SP-3 and SP-33 are spring loaded and lever is merely released from holding the notch to open the hopper.**

4. If a smaller sample fraction is needed, transfer portion in one pan to closed hopper, level and split again. Repeat until the ideal fraction is reached (1/4, 1/8, 1/16, 1/32, etc.).
5. The following additional tips be employed as part of your standard sampling procedures:
- Before splitting the sample fraction, mix the sample by dividing and combining the entire sample in the hopper. Repeat this until starting sample is thoroughly mixed.
  - When pouring samples into the hopper, always use care to distribute material back and forth in layers as you pour.
  - Reset the splitter for wider chute widths if bridging or hang-up of material occurs in the chute bar area.
  - Always be sure you chute bar setting gives an equal number of alternating chutes in each direction. The following chute opening are permissible:

Model SP-0: 1in, 2in, 3in, 4in, 6in, 8in, 12in

Model SP-1: 1/2in, 1in, 1- 1/2in, 2in, 3in, 4in, 6in

Model SP-2: 1/4in, 1/2in, 3/4in, 1in, 1-1/2in, 2in, 3in

Model SP-3 & SP-33: 1/8in, 3/8in, 1/2in

6. To position the chute attachment on the Model SP-1, remove wing nuts from the studs on back of the splitter. Fitting the holes over threaded studs insert the top of the bag loading chute over support angles that normally hold material pan. Once this step is complete replace the wing nuts you had removed. With bag-tightening lever in horizontal position, draw top of the bag over bag-tightening lock tab. Lift lever to secure bag.