

HOW TO MEASURE YOUR TRANSFER PIT



PIT BRUSH MEASUREMENT & MOUNTING PROCEDURES

Proper measurement of your pit is crucial to insuring you get the best performance and life your SESCO pit brush system.

Tools Required: Plumb Bob Chalk Line Tape Measure Ladder

These basic tools are imperative to accurately place pit brushes and can be purchased at any hardware store

Step 1.

Drive and open top trailer under the pit area so that the trailer is centered directly under the pit itself. (Insure the front and back of the trailer are outside the pit opening and there is an equal distance on either side of the pit to the inside edge of the trailers walls)

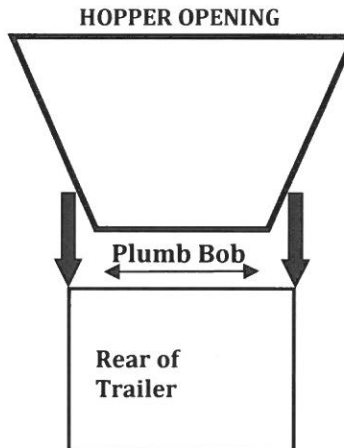
Example:



Step 2.

Using a Plumb Bob, have the installer hang the Plumb Bob down from the ceiling or hopper opening to the exact outside edge of the trailer and mark the location on the ceiling of the pit. Repeat this procedure at all four corners of the trailer.

Example:



Step 3.

After all four corners of the outside edge of the trailer opening have been marked on the ceiling, measure 1-1/2 inches from the outside towards the inside of the trailer top lip. Measure all four corners and mark the ceiling.

Example:

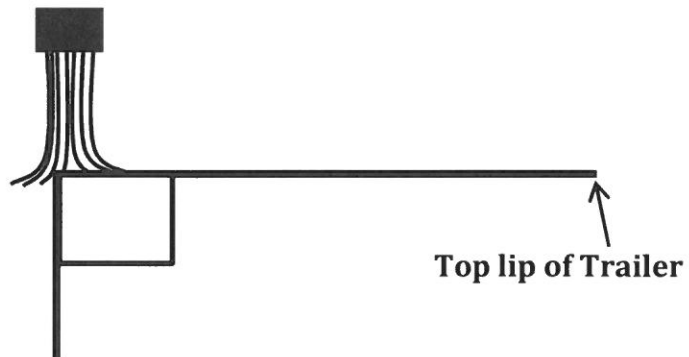
Measure 1-1/2 inches in from top lip of trailer



Step 4.

With the assistance of a second party, stretch the chalk line the full length of the trailer. Place the chalk on the ceiling markings that correspond with the above-mentioned 1-1/2 inch measurements. Repeat this procedure until all four corners are marked. You now have the locations for mounting the pit brushes. By installing mounting brackets that align with the markings, the pit brushes will fit exactly over the top of the trailer lip. Make sure the brush lengths allow for the tips of the brushes to extend 1-1/2 to 2 inches longer than the top lip of the trailer. This will ensure the waste will be contained inside approximately of the trailer and will sweep off any debris on the top lip of the trailer as the truck pulls away from the pit.

Bristle length 1-1/2" - 2" longer than the top lip of the trailer



After the brushes have had a period of time to wear in, the monofilament brushes will start to flair out, as shown above. This is exactly what should happen. They will adequately cover the top lip of the trailer and spillage from the opening will be almost completely eliminated.

PIT MEASUREMENTS: _____ length x _____ width

TRAILER MEASUREMENTS: _____ length x _____ width

CEILING HEIGHT _____ (-) TRAILER HEIGHT _____ (=) CLEARANCE _____

(top of truck must clear 6" of brush backing material)

tips & facts

- Inlet and outlet brush strips must be mounted in such a way that does not permit excessive side load.
- Trucks must be able to clear 6" of brush backing material. Improper installation will cause damage to brush strip.
- Replace brush strips whenever a deformity occurs in metal brush channel.

comments

"I would highly recommend Smith Equipment Pit Brushes to any top loading Transfer Station operation that is facing the problem of spilling debris between the bottom of their tipping floor and the top of the transfer trailers."

Scott Pence, Office of Commissioners of Miami County

"Lee County, Florida, uses Smith brushes in their day to day transfer operations"

Brigitte Kantor, Lee County Solid Waste Division

STANDARD STYLE

SS

Available Bristle Trim Height: 9", 14"

Brush Strip Length: 2, 4 or 5 ft.

* STANDARD = 2 Rows (strips) of Brush
(extra row available on 4" plate for an additional charge)

FLAT MOUNT

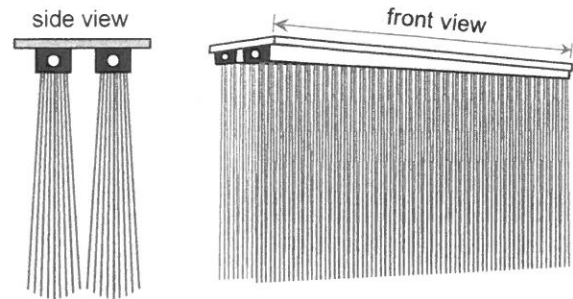


Plate Size:

1/4" x 2" (spot weld mount)

1/4" x 4" (bolted mount)

MOUNTING STYLE A (side bolt or weld)

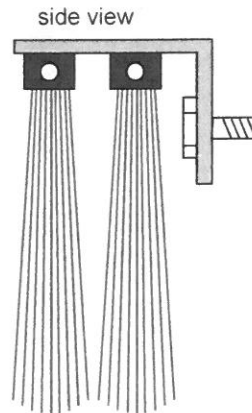


Plate Size:

1/4" x 2" x 3"

MOUNTING STYLE B (side bolt or weld)

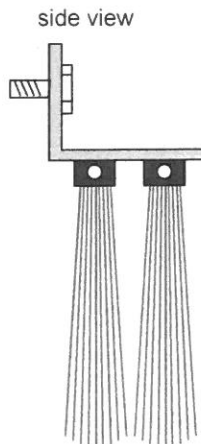


Plate Size:

1/4" x 2" x 2"

1/4" x 2" x 3"

* Hole pattern-based on 12" center

ALTERNATE STYLE AS

Available Bristle Trim Height: 18" - 32"

Brush Strip Length: 2, 4 or 5 ft.

Alternate: 1 Row Tufted Brush

FLAT MOUNT (ceiling mount)

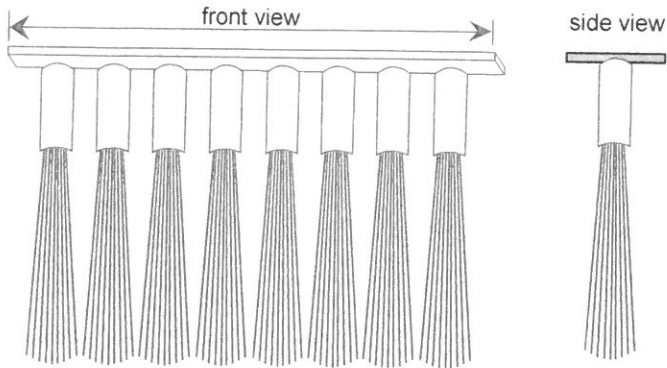


Plate Size: 1/4" x 2" (spot weld)
1/4" x 3" (bolt mount)
1/4" x 4" (bolt mount)

MOUNTING STYLE A (top or side bolted mount)

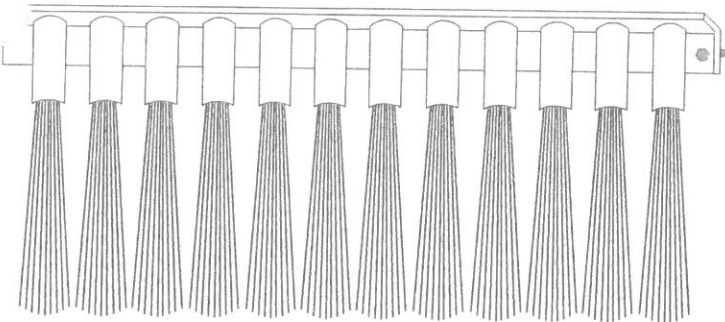


Plate Size: 1/4" x 2" x 2"
1/4" x 3" x 2"

MOUNTING STYLE B (side bolted only)

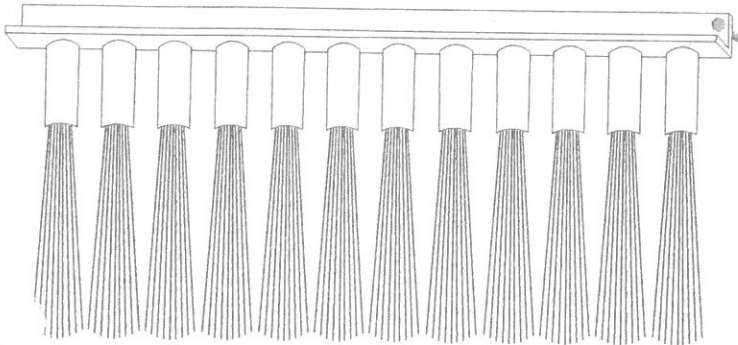


Plate Size: 1/4" x 2" x 2"
1/4" x 3" x 2"

* Hole pattern-based on 12" center

FAQ

- Is there a benefit of using brushes instead of rubber flaps?
YES, there certainly is, from replacement time and cost, to practically eliminating the need to clean up after each truck exits the load out pit.

- What purpose does a brush strip provide?

Our brush system contains the debris within the trailer yet allows the air to easily be displaced through the bristles virtually eliminating the overflow, which results in clean pits.

- Why do I have so many choices in pit brushes?

Proper pit measurements and installation is crucial to product performance. The distance between the top of your trailers to the pit ceiling determines your bristle length, which in turn determines the best product for your transfer station needs.

keely friend

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