FLEXISKIRT SKIRTBOARD SEALING SYSTEM

[INSTALLATION INSTRUCTIONS]

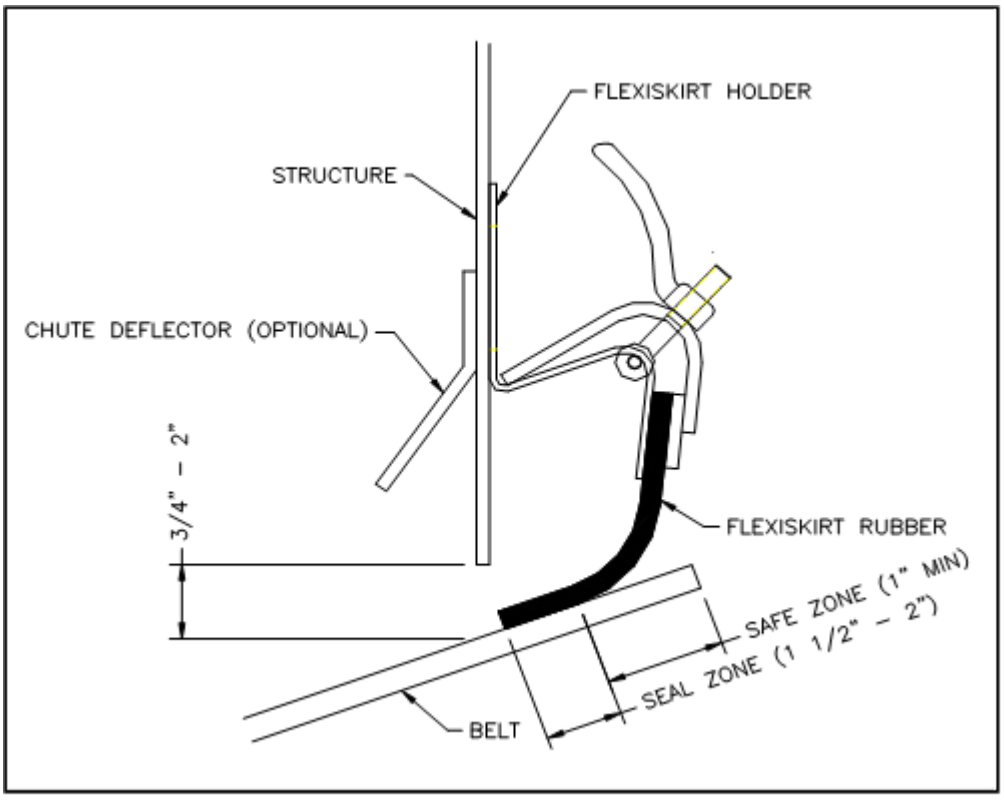
THE TOOLS & RESOURCES REQUIRED ARE:

1. TAPE MEASURE
2. WELDER
5. ADJUSTABLE WRENCH
6. TORCH / DRILL

SHUT DOWN AND LOCKOUT CONVEYOR BEFORE PERFORMING ANY MAINTENANCE

SITE PREPARATION

Since the Flexiskirt Holders are mounted to the existing chute wall, some pre-installation site preparation is required. First, inspect the existing chute wall to ensure it is structurally sound and is strong enough to support the Flexiskirt Holders. On the conveyor, measure to ensure there is a gap of ¾”-2” between the belt and the chute wall. This dimension is critical to proper operation of the Flexiskirt. If the gap is less than ¾”, the chute wall must be altered to meet this requirement. If the gap is larger than 2” a plate must be welded to the existing chute wall.



FLEXISKIRT HOLDER MOUNTING

The Flexiskirt Holders are very easy to mount. To ensure the correct mounting height is achieved, measure 9”-9 1/2” (depending upon troughing angle) from the face of the belt up onto the chute wall. This will give you a reference point where the top of the holder should lie. Now hold a Flexiskirt Holder in place to ensure that the bracket has adequate clearance to the belt. If not, adjust the bracket height as needed. Do this at various points along the length of the area to be sealed. Now, mark these measurements using a chalk line or something similar to ensure the brackets are mounted evenly.

BOLT ON MOUNTING

Once the chute wall has been marked, the bolt centers need to be marked. This can be done one of two ways:

STEP 1

The Flexiskirt Holder can be held up against the chute wall and the holes marked through the existing holes in the Flexiskirt Holder. When doing this, ensure that the horizontal flat on the Flexiskirt Holder is even and parallel with the line previously marked on the chute wall.

STEP 2

Measurements can be taken of the Flexiskirt Holder then transferred onto the existing chute wall. At this point, the bolt holes should be drilled or cut out of the chute wall. After completion, hold the Flexiskirt Holder in place and secure with a minimum of Grade 2 bolts.

WELD ON MOUNTING

Once the chute wall has been marked, the Flexiskirt Holders are ready for mounting. Place the holder against the chute wall and ensure the horizontal flat on the holder is parallel and even with the line previously marked on the chute wall. Now, tack-weld the Flexiskirt Holder in place. Continue to do this along the entire area to be sealed. Ensure that each holder is parallel with the belt and the line marked.

FLEXISKIRT RUBBER MOUNTING

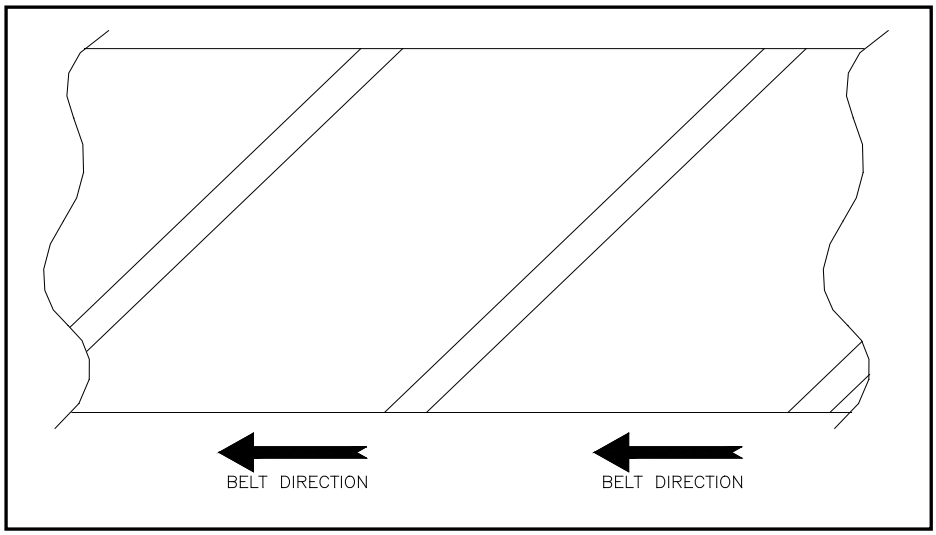
The Flexiskirt Rubber can be provided with or without grooves depending upon customer preference. Follow the instructions below that correspond with the Flexiskirt Rubber on site. Since the Flexiskirt Rubber is supplied in rolls, it will need to be cut to the length of the area to be sealed. If the area is longer than the roll provided, the Flexiskirt Rubber can be simply butted end-to-end to achieve the required length.

NON-GROOVED RUBBER

Lay the rubber flat on the belt along the area to be sealed. Take the outer edge of the rubber and slip it between the rigid angled surface and the clamp bar on the Flexiskirt holder. Now tighten the nut or quick release handle (which ever is provided). **Do not over tighten the nut or handle, 25 in-lbs of torque is all that is required.** Check to ensure that 1 ½”
to 2” of the rubber is still lying on the belt. This 1 ½” to 2” seal zone is critical to the operation of the Flexiskirt System. Adjustments to the rubber placement in the holder may be needed to achieve this seal zone area.

GROOVED RUBBER

Note: Do not install grooved Flexiskirt Rubber on reversing belts.
Lay the rubber flat on the belt along the area to be sealed. Ensure that the angled grooves in the rubber lay in the same direction as the belt travel (see diagram). Take the outer edge of the rubber and slip it between the rigid angled surface and the clamp bar on the Flexiskirt holder. Now, tighten the nut or quick release handle (which ever is provided**). Do not over tighten the nut or handle, 25 in-lbs of torque is all that is required.** Check to ensure that 1 ½" to 2" of the rubber is still lying on the belt. This 1 ½" to 2" seal zone is critical to the operation of the Flexiskirt System. Adjustments to the rubber placement in the holder may be needed to achieve this seal zone area.



The Flexiskirt System is now ready to be test run. Once the test run is complete make any adjustments needed.

If there are any questions or comments, please contact Arch at 1.800.553.4567.

THANK YOU FOR USING ARCH PRODUCTS!