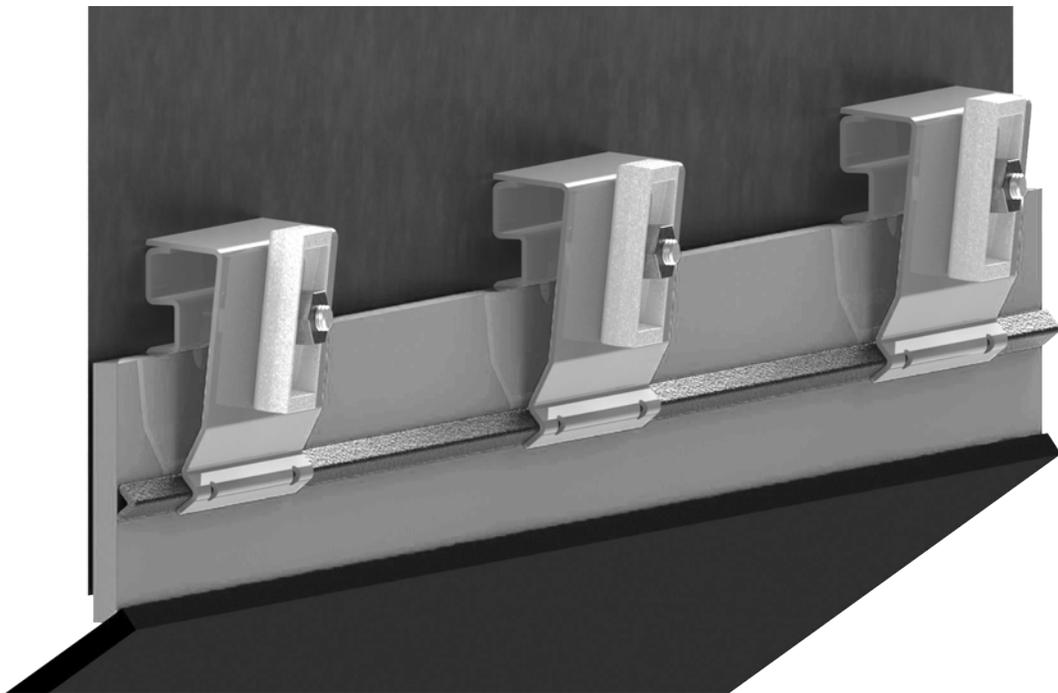


# **WEDGE-LOC™**

## Skirt Clamping System



**ARGONICS**

# WEDGE-LOC™

## Skirt Clamping System

### ⚠ WARNING

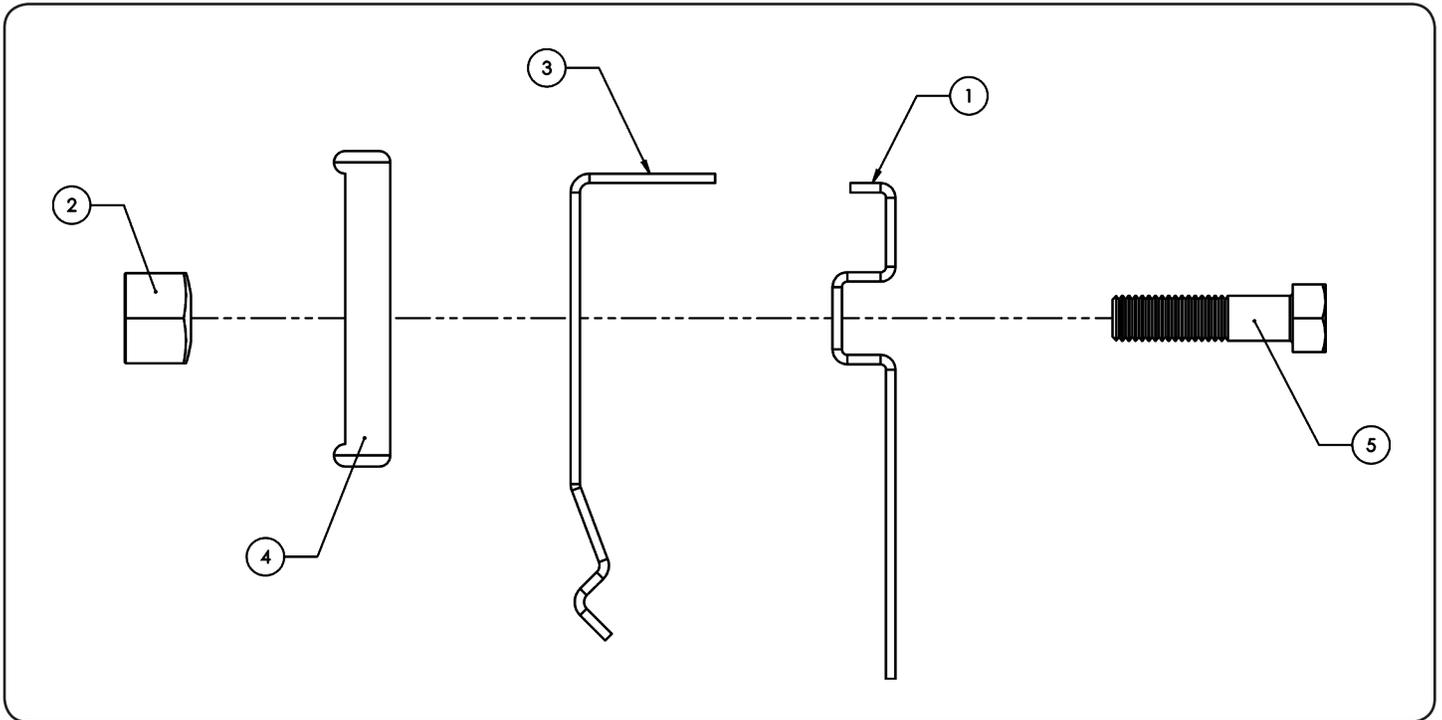
Always obey all applicable safety rules.

Be sure all power to the conveyor has been disconnected and controls are locked out.

### Installation tools required

- Tape measure
- Level
- Scribe and Chalk Line
- Welder
- Hammer
- 1" End Wrench or Crescent Wrench

### Assembly Breakdown



Number	Part Number	Quantity	Description
1	CP-WL-48B	1	Wedge-Loc Backing Plate
2	CP-WL-50B	1	1/2" Brass Nut
3	CP-WL-48C	1	Wedge-Loc Clamping Plate
4	CP-WL-35A	1	Wedge-Loc Wedge
5	BOLT-0.5X2.0-NC-ZINC	1	Hex Bolt 1/2"-13UNC 2" Long, Zinc

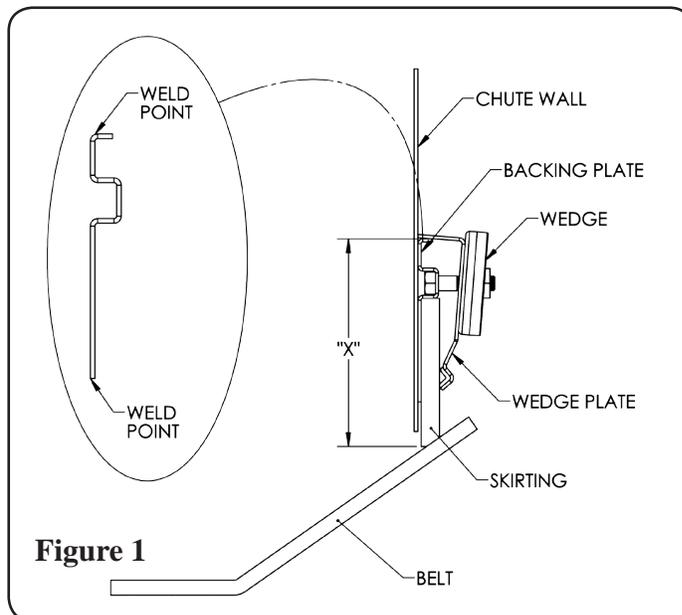
# INSTALLATION

The Wedge-Loc clamping system was designed to fit most conveyor systems on the market today, and can be installed on belt angles from 0° to 45°. It is recommended that three Wedge clamp sub-assemblies be used per each 4' length of skirting. The Wedge-Loc system requires that both the top and bottom of the backing plate be welded to the chute wall for maximum support; the backing plate may also be welded along the sides of the bracket as well.

## Step One: Layout

**BEGIN BY MAKING SURE THE POWER TO YOUR CONVEYOR SYSTEM IS SHUT DOWN AND THAT ALL CONTROLS ARE LOCKED OUT.** Next, clean and remove all obstructions from the outer surface of the chute wall where you will be mounting the Wedge-Loc system. Take note as to where possible obstructions are located; as you may need to cut and segment your angle iron. *A maximum of 6" between angle iron sections is highly recommended to maintain proper clamping pressure on the skirting.*

Using *Table 1*, determine the distance, "X", needed from the belt to the top of the backing plate (CP-WL-48B) according to your supplied skirting width. At one end of the chute wall, measure this distance from the belt and mark the chute wall using a scribe. Repeat this measurement at the opposite end of the chute wall where the Wedge-Loc system will be installed, and snap a chalk line from both of these marked points on the chute wall as seen in *Figure 2*.



**Figure 1**

## Step Two: Mounting

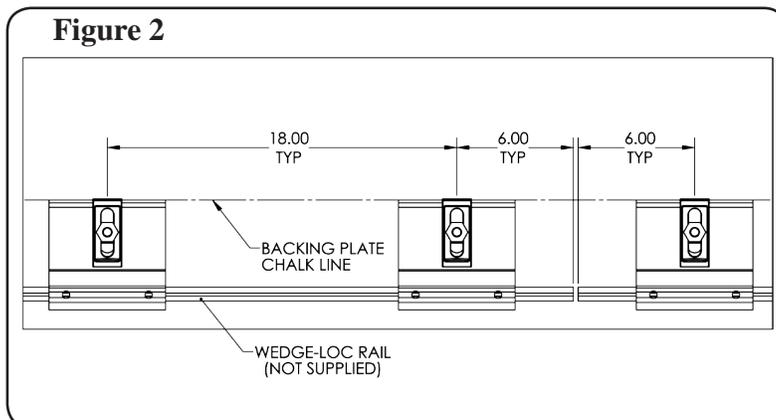
Next, measure 6" in from the end where you want the Wedge-Loc system to start, as shown in *Figure 2*; this will be the location of the first Wedge clamp sub-assembly. Insert a supplied 2" hex bolt into the backing plate from the backside, see *Figure 3*. Making sure that the top of the backing plate is lined up properly with the chalk line tack weld or clamp the backing plate into place. Finish welding the backing plate along the top and bottom or sides if necessary to ensure proper installation of the backing plate. Place your next Wedge clamp sub-assembly a maximum of 18" from the last, and repeat the mounting procedure until your desired length is achieved according to the length of your angle iron sections. *Please note that the center of the Wedge clamp sub-assemblies should be placed a maximum of 6" from the end of the angle iron wherever possible.*

Next, tack weld your first clamping plate to the angle iron, making sure the center of the clamping plate (CP-WL-48C) is a maximum of 6" from the end of the angle iron and that it is seated properly against the angle iron.

**Table 1**

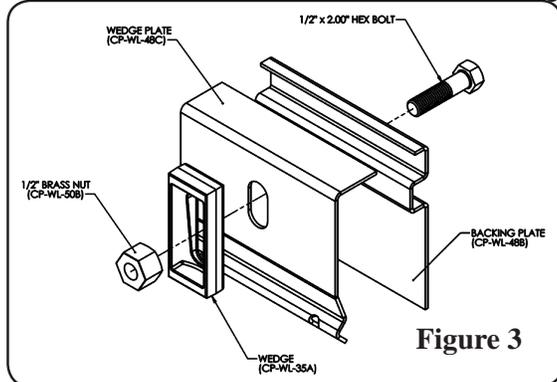
Skirting Width	"X"
4"	6.25"
5"	7.25" (standard)
6"	8.25"
7"	9.25"
8"	10.25"
9"	11.25"
10"	12.25"
12"	13.25"

**Figure 2**



### Step Two - continued

Measure or layout the location of the clamping plate on the opposite end of the angle iron by sliding the clamping plate over the 2" hex bolt along with the supplied aluminum wedge (CP-WL-35A) and ½" brass nut (CP-WL-50B). Make sure that the flat face of the nut is facing away from the wedge,



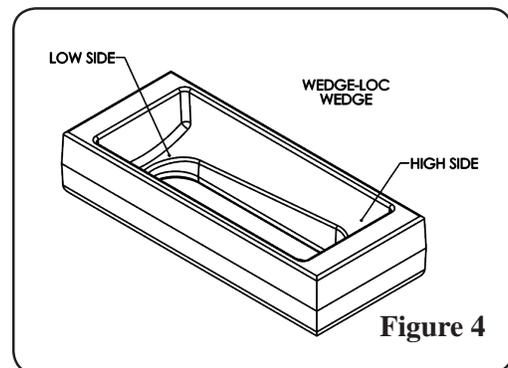
After both end clamping plates are secured to the angle iron, slide the remaining clamping plates and wedges over the 2" hex bolts and secure them in place with the ½" brass nut.

Weld the remaining clamping plates to the angle iron making sure that the angle iron is properly seated in the clamping plate. Loosen the brass nuts so that you are able to slide the skirting between the backing plates and clamping plates; place the skirting against the backing plate with the beveled end facing away from the center of the belt. Ensure that the 2" Wedge-Loc hex bolt is centered in the wedge before finger tightening ½" brass nut. Repeat this process for the remaining length of the Wedge-Loc system.

### Step Three: Adjustment

Inspect the placement of the skirting to ensure that all the skirting is facing and seated properly against the belt surface. Make any adjustments if necessary.

To firmly tighten the skirting into place, strike the high end of the aluminum wedge with a hammer, repeat this process for all remaining wedges. As the skirting wears and adjustment is needed, simply loosen the wedges by striking the low side of the wedge. The skirting should automatically drop down to touch the belt; if not, continue to loosen wedges until the skirting drops to touch the belt. Re-tighten the skirting by striking the high side of the wedge.



**Your Wedge-Loc clamping system is now installed.**