

IT'S THE YEAR OF
INNOVATION
AT AMERICAN EAGLE
MANUFACTURING



PATENT NUMBER
9938087

EAGLE CLAW CLAMP & AIR LINER INSTALLATION ECCL48 & ECCL60

INSTRUCTION MANUAL

American Eagle Manufacturing LLC
866 713 8985
252 633 0603
85 Taberna Way
New Bern, North Carolina 28562
AmericanEagleManufacturing.com

DISCLAIMER/SAFETY

1.1 Disclaimer American Eagle Manufacturing LLC disclaims any liability for improper use or application of this product not in compliance with instructions and specifications contained herein or for any damages due to contamination of material as a result of users failure to maintain and inspect equipment. Liability shall be limited to the repair or replacement of AEM Equipment shown to be defective by cause of manufacturing.

1.2 Safety Adhere to all safety rules defined by government (OSHA/MSHA) 1910.147, owner/employer and site specific safety rules.

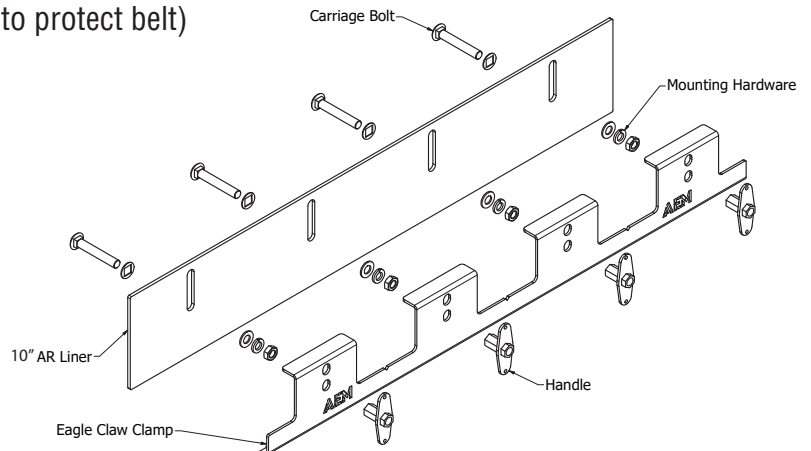
- DANGER -

Lockout/Tagout procedures must be followed before any maintenance, service, repair, or installation of equipment begins on the conveyor. Failure to follow all safety rules can result in injury or death.



TOOLS REQUIRED

- Cutting Torch
- Welding Equipment
- Grinder
- Fire Extinguisher
- Welding Blanket (to protect belt)
- Tape Measure
- Marker/Chalk



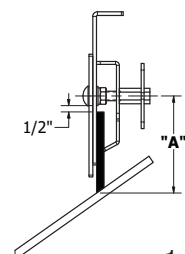
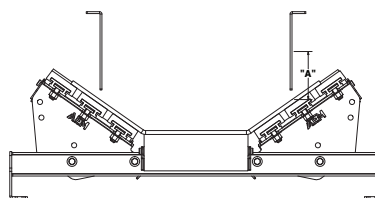
INSTRUCTIONS

***IMPORTANT: MAKE SURE CONVEYOR IS LOCKED OUT/TAGGED OUT BEFORE ANY WORK BEGINS. SAFETY FIRST!** Make available a fire extinguisher and a welding blanket to protect belt.

STEP 1: Remove all old clamps and brackets from chute walls using cutting torch or grinding equipment.

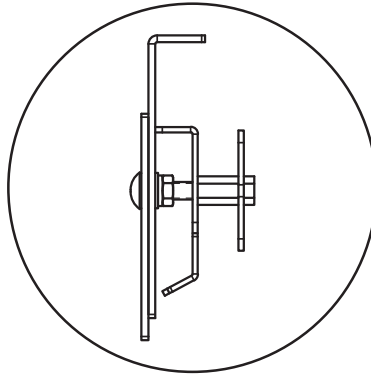
STEP 2: Determine the skirt board size that will be used on the conveyor system. Once size is confirmed, reference the chart below for the "A" dimension that corresponds to the skirt board size. From the belt surface, measure up to the "A" dimension and mark the chute wall.

SKIRT BOARD HEIGHT	"A"
5"	6"
6"	7"

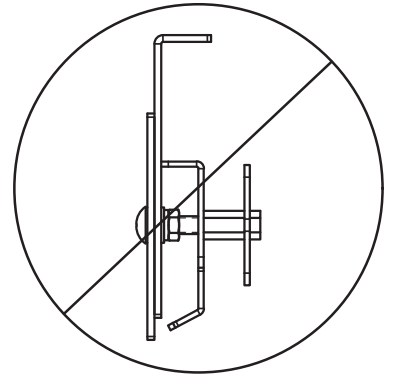


NOTE: Confirm that the Eagle Claw Clamp teeth will actually be on the chute wall from the “A” dimension. If not, adjust “A” dimension to a height that will accommodate the clamp teeth against the chute wall.

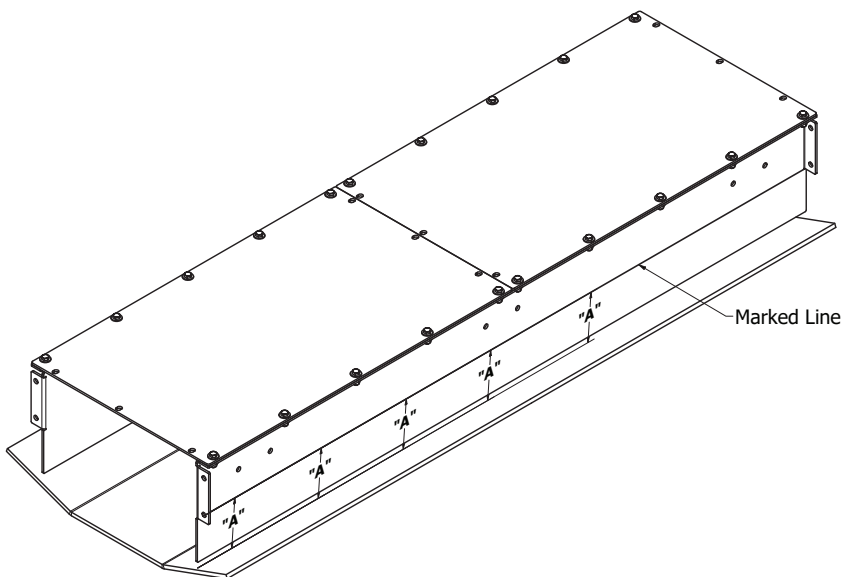
CORRECT



INCORRECT

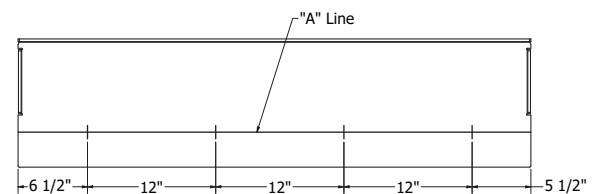


STEP 3: Always start installation from the **TAIL END** of the chute. Mark the “A” dimension in several places along the chute wall. Draw a line through the “A” marks.

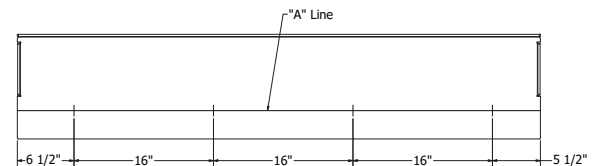


For the mounting hole locations, use the following illustrations for marking the hole pattern for 48” (4FT) and 60” (5FT) installations:

48” (4FT) Installation



60” (5FT) Installation



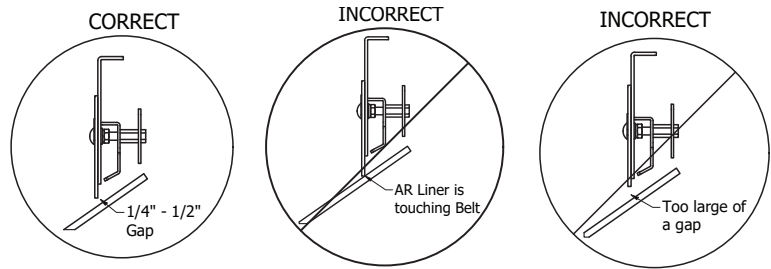
Drill mounting holes using a 3/4” drill bit.

***IMPORTANT:** Make sure to start the mark for the first mounting hole at 6-1/2” from the end of the wall!
This ensures the AR Liner does not interfere with the tail wall of the chute!

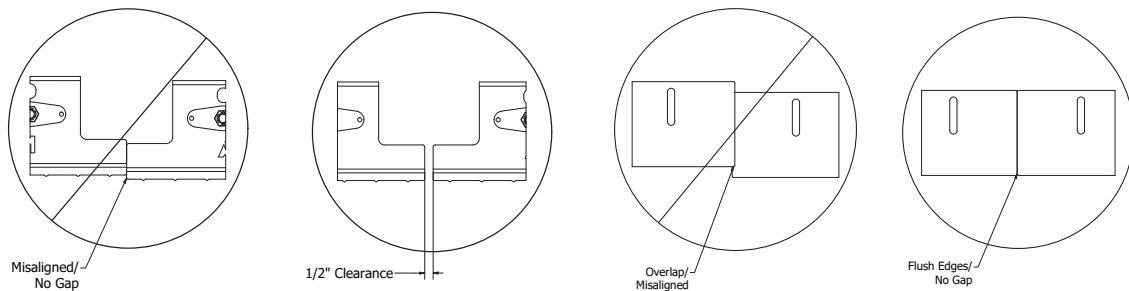
STEP 4: FINAL CHECK

- Before marking holes for the next installation, install AR Liner and Clamp using the Mounting Hardware and Handles to check for proper fit.
- Confirm fit of skirt board. If current position does not allow skirt board to fit properly, adjust height of the “A” line and remark hole locations. Drill new holes.
- The bottom of the AR Liner must have a gap between 1/4” – 1/2” from the conveyor belt, depending upon the condition of the belt and the type of splice used. Adjust height by loosening the Carriage Bolts and sliding the AR Liner up or down.

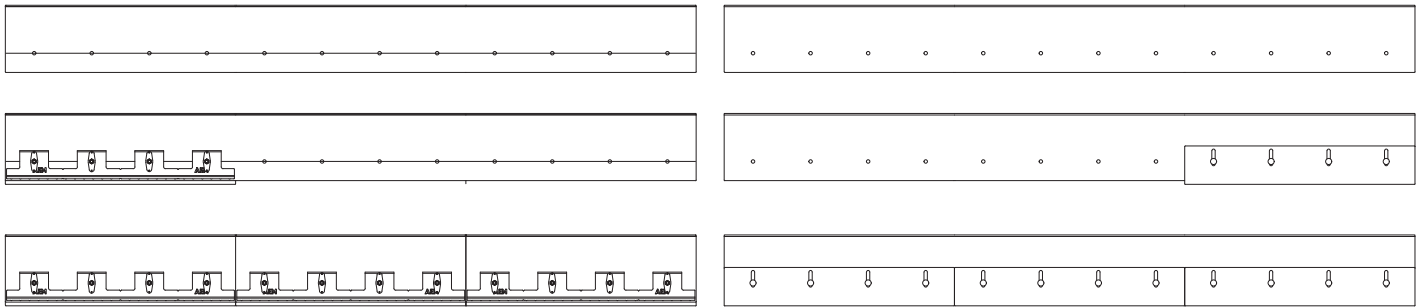
***IMPORTANT:** The AR Liner **MUST HAVE A GAP BETWEEN 1/4" – 1/2"**! If bottom edge of the AR Liner is touching the conveyor belt it will cause gouging damage! If there is too large a gap between the bottom of the AR Liner and conveyor belt, material can escape outside of the chute!



***NOTE:** DO NOT wait until all of the mounting holes are drilled into the chute wall to check fit. Place each Clamp and AR Liner onto the chute wall after the mounting holes are drilled.



STEP 5: Continue marking and drilling the mounting holes down each side of the conveyor chute, installing each Clamp and AR Liner. Ensure there is 1/2" of clearance between each Clamp and there are no gaps or misalignment of the AR Liners.



STEP 6: Skirt Board installation:

- Place skirt board between chute wall and Clamp.
- With Clamp loosened apply downward pressure to skirt board and tighten each Handle on Clamp.
- The teeth on the Clamp will lock the skirt board in place at a downward angle ensuring no upward movement.

*** NOTE:** As the skirt board wears it will need to be periodically adjusted down.

