



OPERATION & MAINTENANCE ROLL GUARD

The PPI Return Roll Guard is offered to promote a safer working environment near the conveyor return rolls. To be effective, all installation and safety issues must be observed.

This guard has been shown to reduce the risk and severity of injury from being drawn between the roll and belt. This device cannot guarantee against abrasive or other types of injury incurred from contact with a moving conveyor belt or roll.

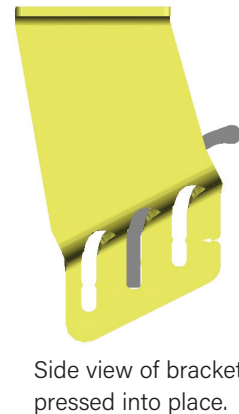
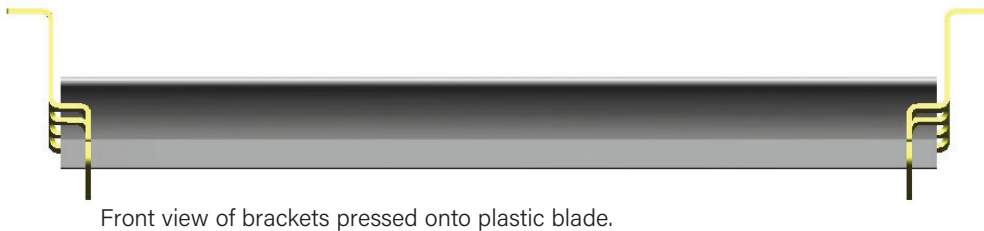
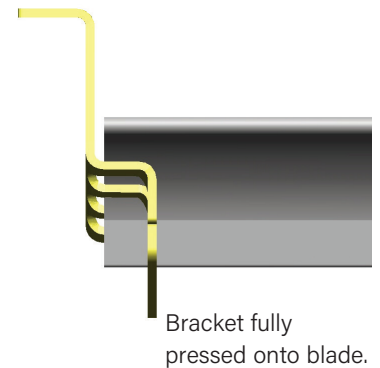
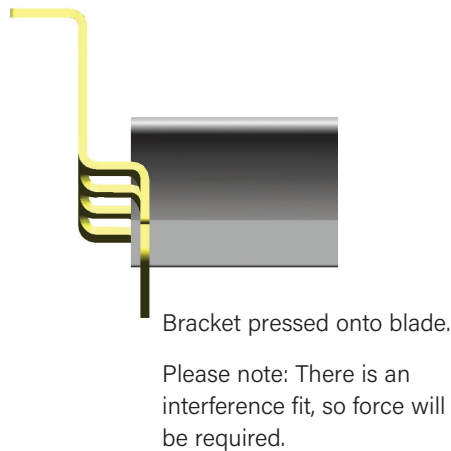
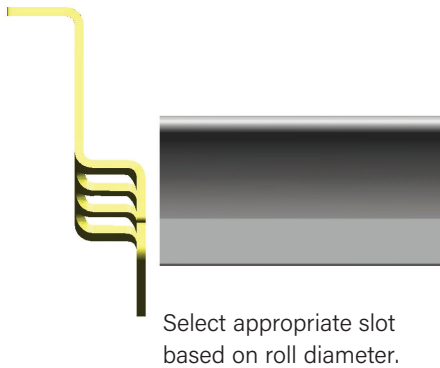
Please note: DO NOT USE AS A BELT SCRAPER

The guard must be installed in the slot that corresponds with your roll diameter. The bracket slots are labeled with appropriate roll diameters.

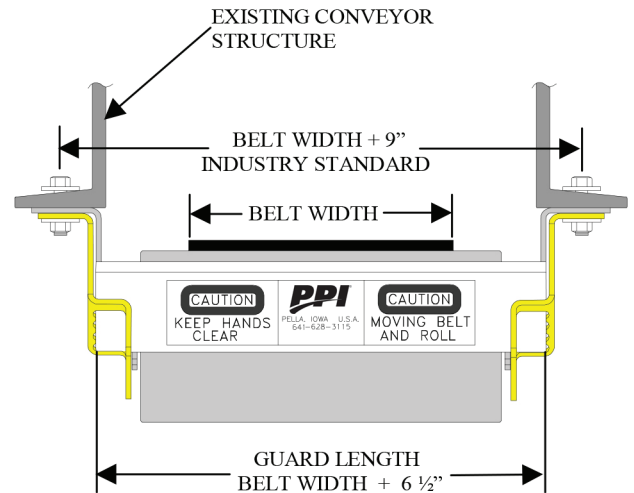
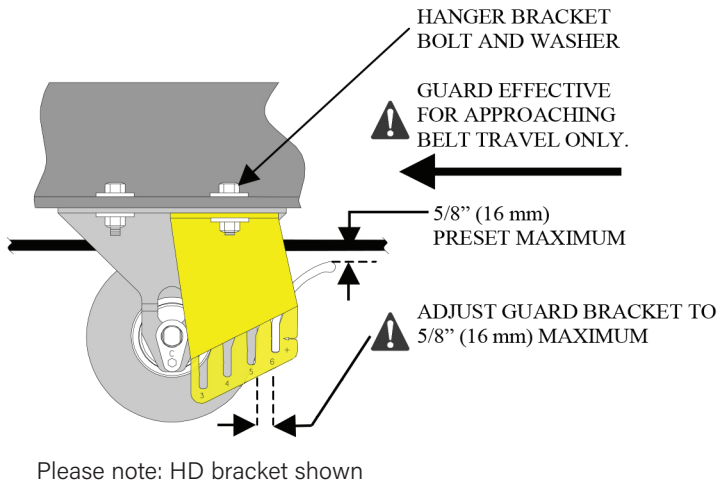
STEP 1 Before installation, observe from a safe distance one full cycle of belt travel. Locate and repair any loose edges, splices, or other damage that might interfere with the operation of the guard.

STEP 2 Lockout the conveyor according to your standard procedures as referenced by O.S.H.A. 1910.147.

STEP 3 Preassemble brackets to roll guard before installing. Align guard to match slot marked with roll diameter. Press and/or tap bracket onto guard until bracket stops. The slotted mounting flange must point away from the guard. Roll diameters and an arrow indicating belt travel are marked on bracket. Refer to the figures below.



- STEP 4** As shown in diagrams below, loosen the required roll hanger bracket bolts to obtain a 1/4" gap. Slide the yellow guard brackets just above the nut and washer.
- STEP 5** Adjust the clearance between the roll and guard to a gap of 5/8" or less. Where 5/8" is the maximum gap. Tighten the hanger bracket bolts while maintaining the 5/8" maximum gap. Check the gap between the guard and belt at this time.
- STEP 6** If the belt rubs on the guard when using the preset slot, you will need to add extra washers or move the guard to one slot lower. For example, 3 for a 4" roll.

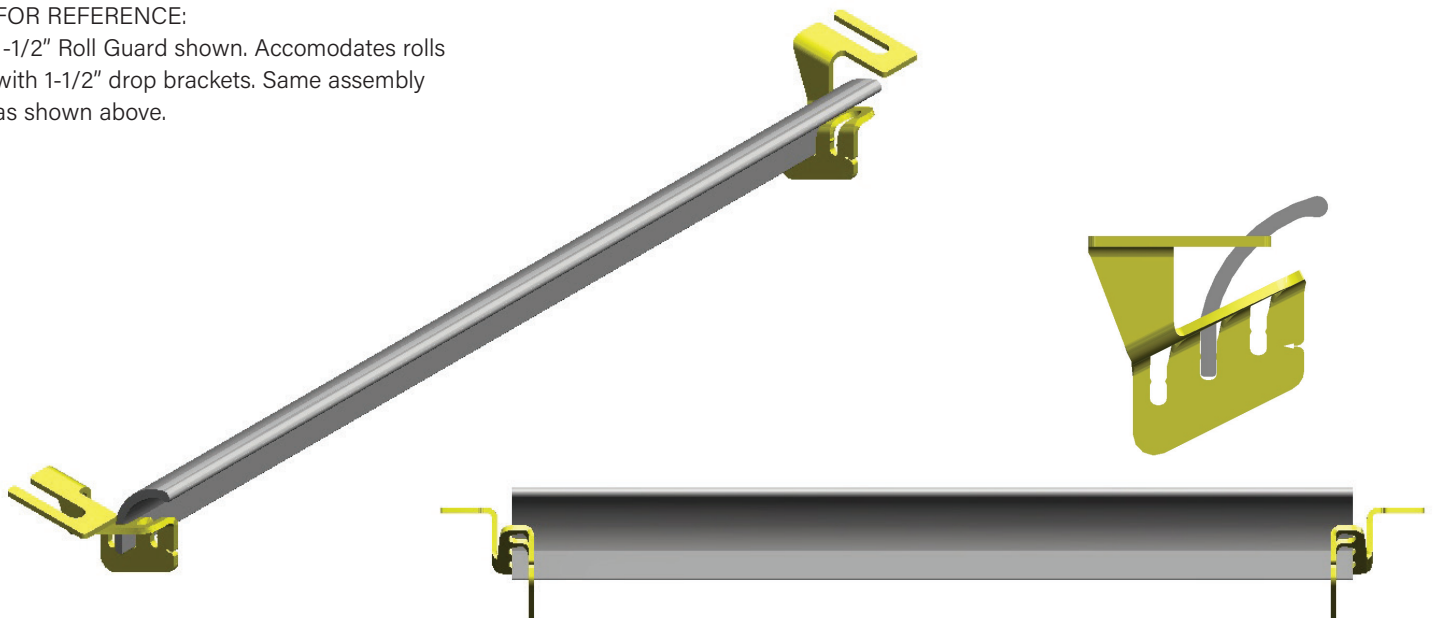


After guard installation, check that all personnel, tools, and equipment are clear of the conveyor belt before unlocking and starting the conveyor.

Remove lockout. Run conveyor for several complete revolutions and check for any interference with the guard and that the maximum 5/8" gap is maintained. Maintain belt to prevent damage to the roll guard.

FOR REFERENCE:

1-1/2" Roll Guard shown. Accommodates rolls with 1-1/2" drop brackets. Same assembly as shown above.



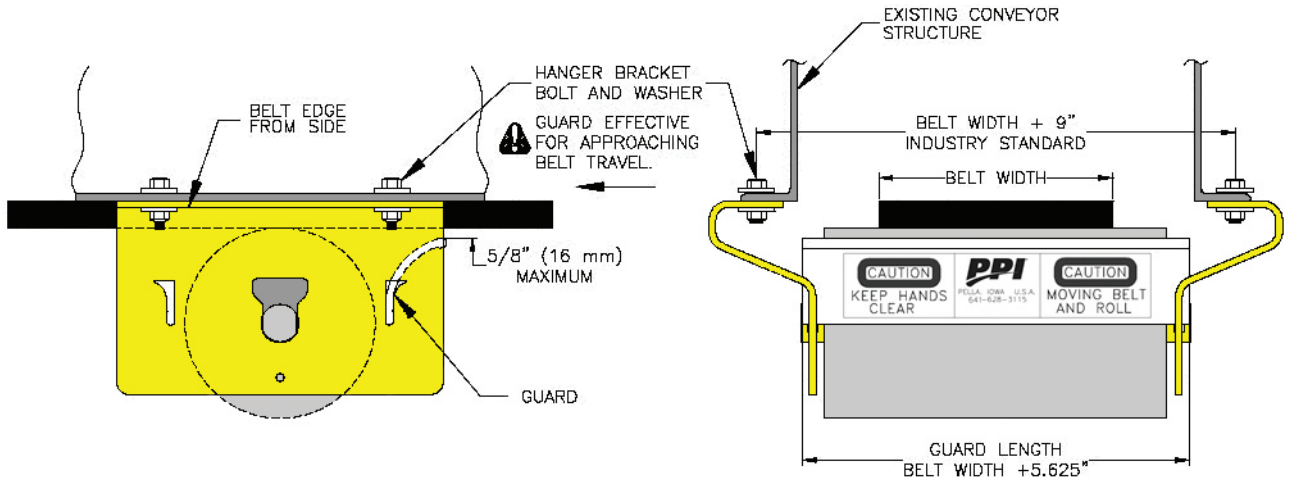
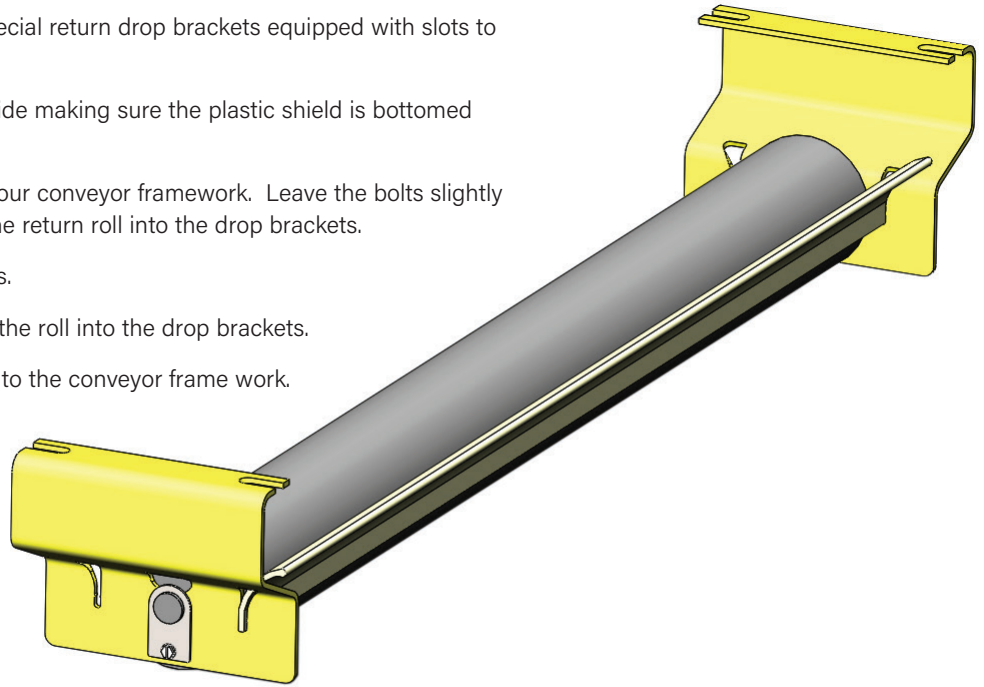
CEMA E Roll Guard Installation Instructions:

The CEMA E roll guard is assembled with special return drop brackets equipped with slots to accommodate the protective shield.

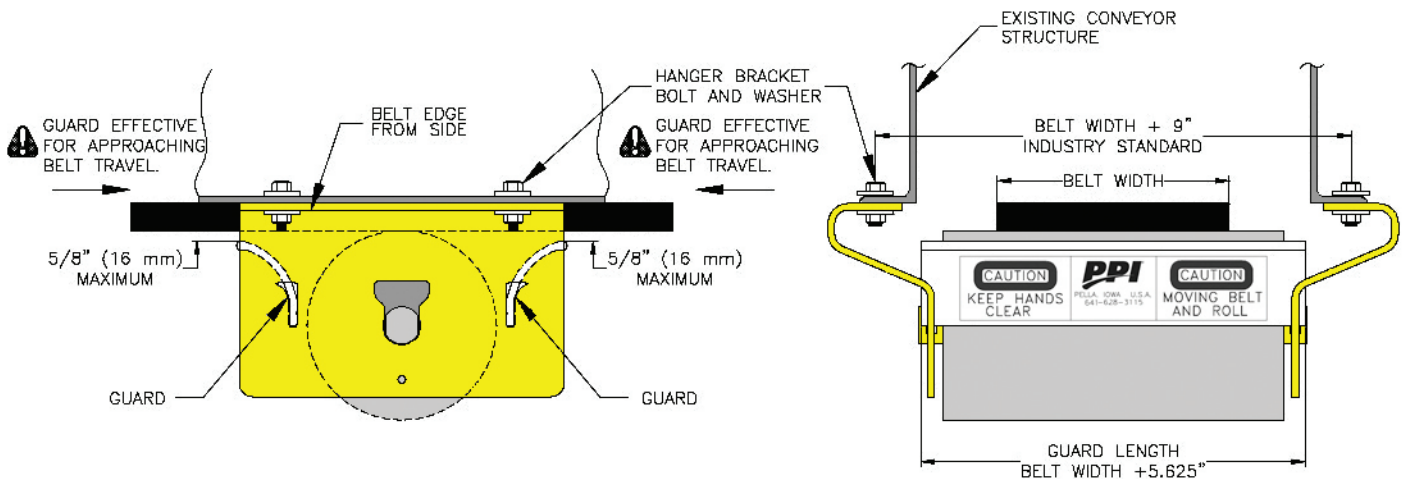
1. Press or pound the brackets on from the side making sure the plastic shield is bottomed out in the slot on the bracket.
2. Mount the brackets and the shield on to your conveyor framework. Leave the bolts slightly loose to allow for adjustment when putting the return roll into the drop brackets.
3. Install the return roll into the drop brackets.
4. Install the end clips and screws to secure the roll into the drop brackets.
5. Tighten the bolts that secure the brackets to the conveyor frame work.

After guard installation, check that all personnel, tools, and equipment are clear of the conveyor belt before unlocking and starting the conveyor.

Remove lockout. Run conveyor for several complete revolutions and check for any interference with the guard and that the maximum 5/8" gap is maintained. Maintain belt to prevent damage to the roll guard.



For Reversing belts: Both sides of roll must be guarded.



Channel Inset Roll Guard Installation Instructions:

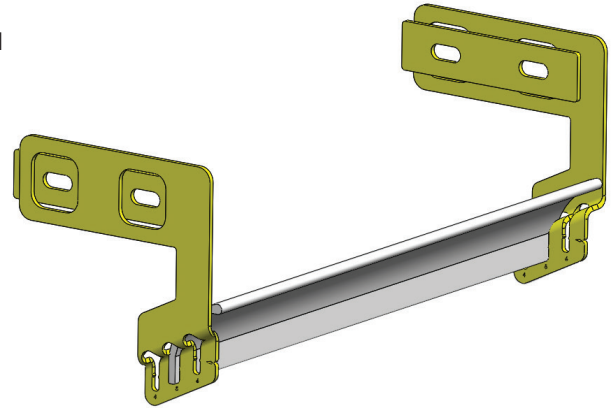
The Channel Inset series of return roll guards is specific to the particular channel inset return roll drop bracket being used. Please use care when selecting your channel inset rolls guards or contact PPI for proper selection.

1. Preassemble brackets to roll guard before installing. Align guard to match slot marked with roll diameter. Press and/or tap bracket onto guard until bracket stops. The slotted mounting flange must point away from the guard. Roll diameters and an arrow indicating belt travel are marked on bracket.

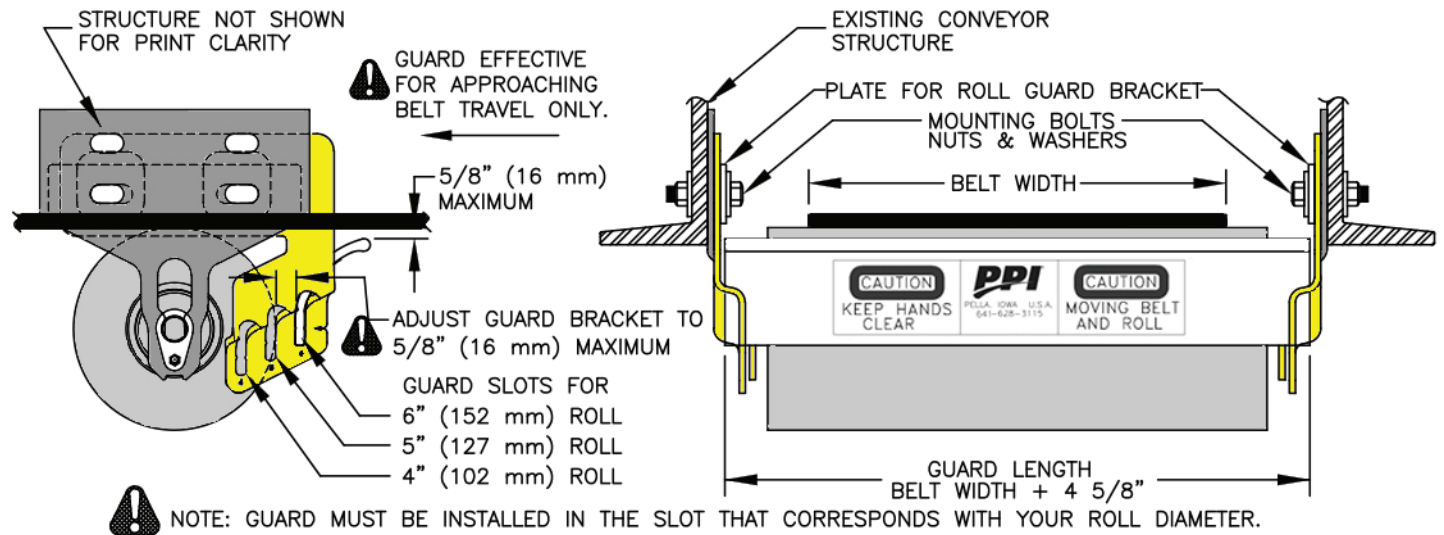
2. As shown in diagrams below, loosen the required roll hanger bracket bolts and slide the pre-assembled roll guard into place. Once the guard is positioned properly, secure the roll guard in place by using roll guard keeper plate with the existing bolts used to hold the roll assembly to the structure.

After guard installation, check that all personnel, tools, and equipment are clear of the conveyor belt before unlocking and starting the conveyor.

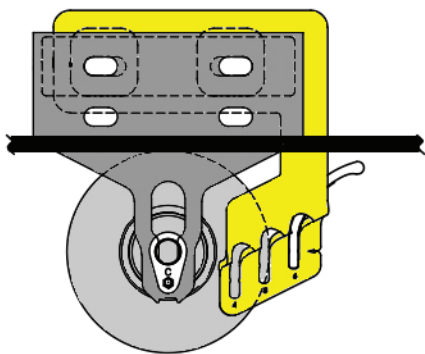
Remove lockout. Run conveyor for several complete revolutions and check for any interference with the guard and that the maximum 5/8" gap is maintained. Maintain belt to prevent damage to the roll guard.



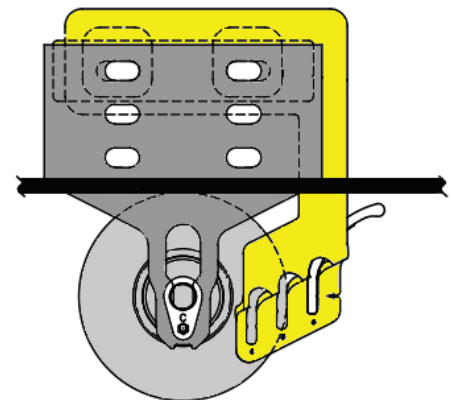
Roll guard part #30217-BW shown for 1st set of mounting holes on drop bracket #30640 (also works with #30643)



Roll guard part #30448-BW shown for 2nd set of mounting holes on drop bracket #30640 (also works with #30643)



Roll guard part #30449-BW shown for 3rd set of mounting holes on drop bracket #30643



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