

PRODUCT SALES BULLETIN

SUBJECT: Uni/Uni Overhead Stop Gauge

The Uni/Uni Overhead Stop Gauge, part number 27754, is used to incorporate a “go-no go” design to simplify installation. This gauge is used for setting the height and the depth of the stop blade. Figure 1 is the detail of the stop gauge.

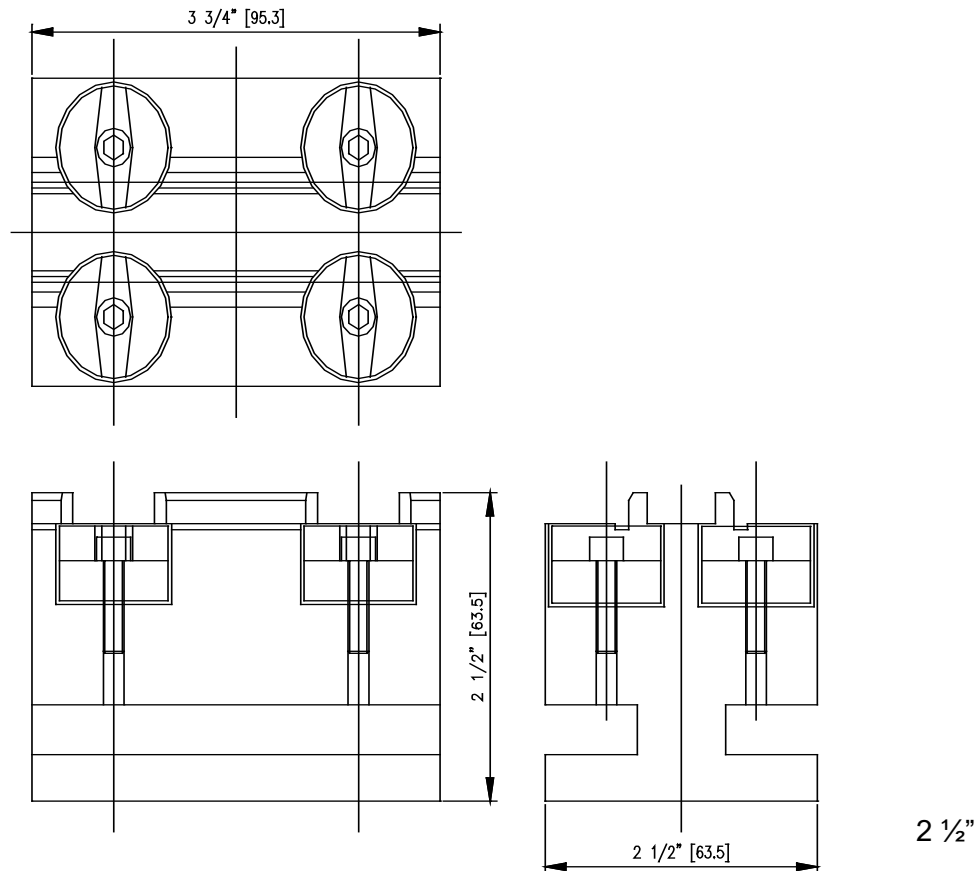


Figure 1. Uni/Uni Overhead Stop Gauge, part number 27754

To properly check the height and depth of the stop blade, the air cylinder must be mounted onto the stop assembly. Figure 2 shows the stop gauge in the power track with the stop blade in the proper position for mounting.

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Ref Eng. #470-005

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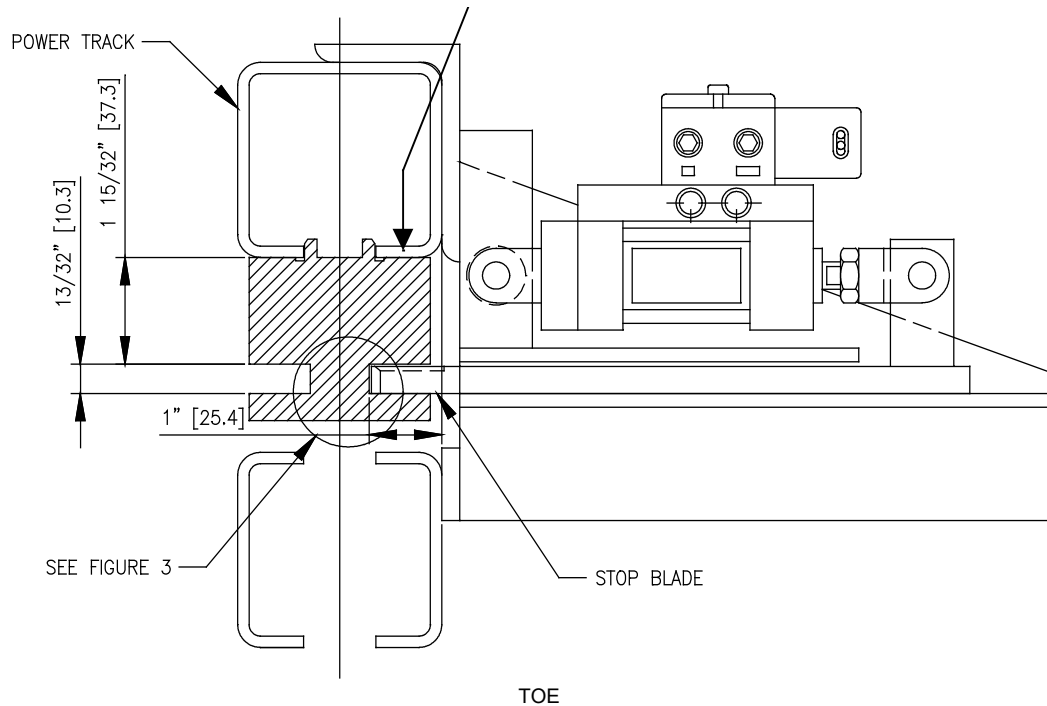


Figure 2. Uni/Uni Overhead Stop with Stop Gauge

The procedure for installing the stop assembly system using the stop gauge, is as follows:

1. Shut conveyor off and lock out the control panel. Place the stop assembly on the power track with the air cylinder mounted to the stop. Use a C-clamp, snugged slightly to hold the stop assembly to the power track, be careful not to damage power track.
2. Extend the blade into the track. Place the stop gauge on the power track next to the stop blade. For proper installation of the stop assembly, make sure stop gauge is pulled tightly against the toe (lip) of the power track on the stop side. Note power track may be slightly out of tolerance, keeping it flush against the power track will aid in the proper installation of the stop assembly. Now slide it until it is directly in front of the stop.

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3. If the blade does not slide through gauge, adjustments may be necessary. See figure 3 for proper blade adjustment.
4. The stop blade should be no more than 1/16" away from the stop gauge. Provided with the stop gauge is a shim that is 1/16" thick that is used to check depth. When the depth of the stop blade is set correctly, the shim will not slide between the blade and the gauge. If the shim does slide between them, then the blade must be moved forward.
5. The blade can be moved forward by loosening the clevis mounting on the cylinder and turn 1/2 revolution, if blade is now too far forward, use shims between the power track and free track to achieve desired depth.
6. When the stop blade is set correctly, remove the gauge and weld the stop assembly to the track and weld a support angle to the free track for extra support and remove C-clamp. Note: Be careful not to burn a hole in the track.

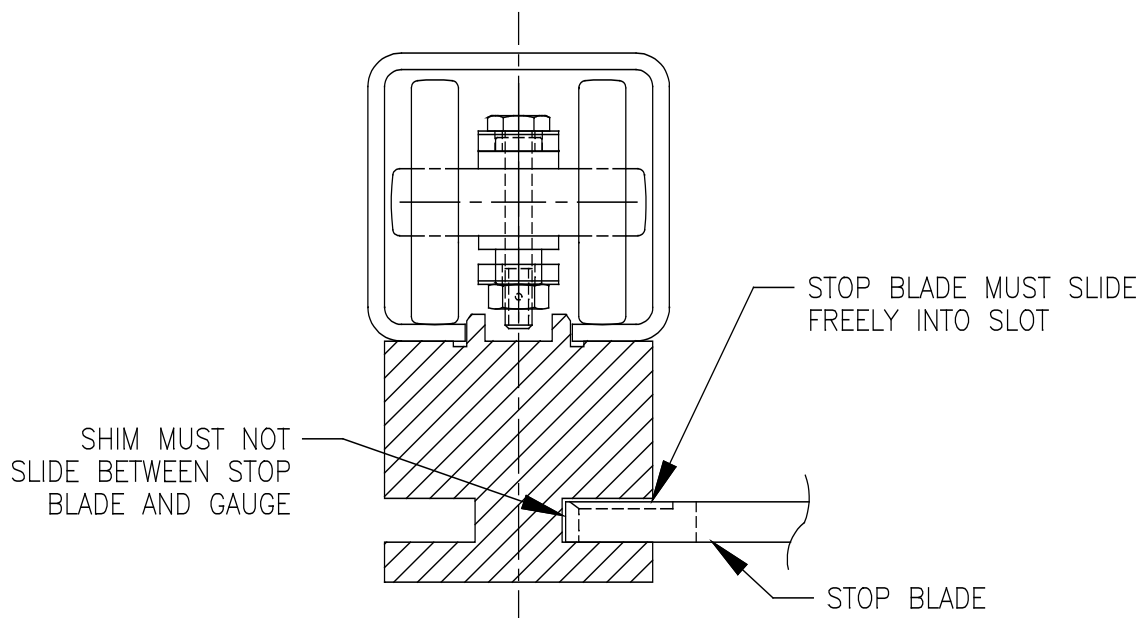


Figure 3. Section View of Gauge and Stop Blade

Shown below in Figure 4, are three drawings which illustrate the wrong positions of the stop blade, each of which require adjustment.

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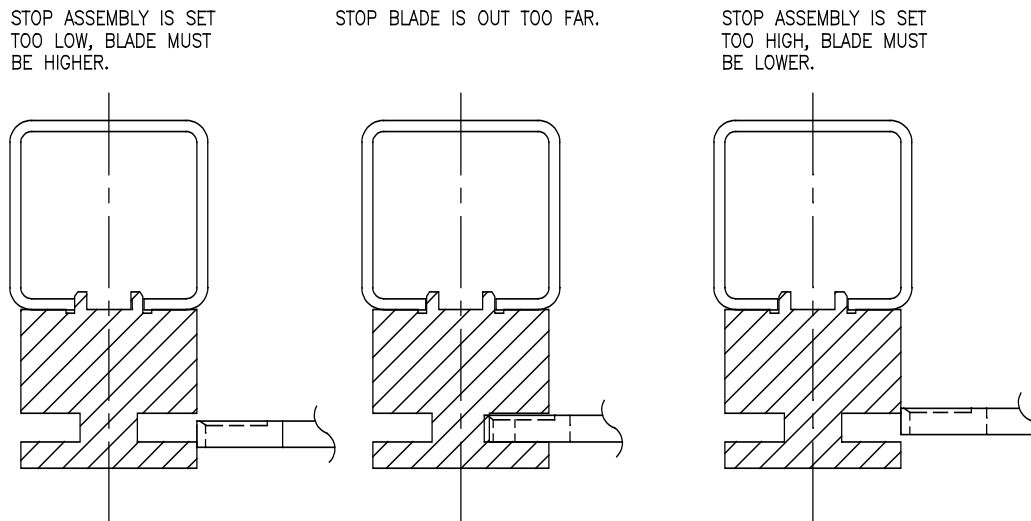


Figure 4. Details of Stop Blade Set in Wrong Position

The stop gauge can also be used to check existing stop assemblies. The procedure to check these stops, is as follows:

1. Shut conveyor off and lock out the control panel.
2. Place stop gauge in power track next to stop blade, for proper checking of the stop assembly, make sure stop gauge is pulled tightly against the toe (lip) of the power track on the stop side. Note: power track may be slightly worn or out of tolerance, keeping it flush against the power track will aid in properly checking stop assembly.
3. Extend stop blade into the track so the air cylinder is in the closed position. Slide the gauge directly in front of the stop blade, keeping it flush against toe. If the gauge will not slide over the blade, it is set improper. Refer to Figure 3 for placement of the blade.
4. If blade requires adjustment, using a C-clamp gently tighten on support angle on stop assembly to hold in place. Break welds on stop frame assembly. Loosen C-clamp and adjust stop assembly until blade is at proper height and depth. Retighten C-clamp, making sure blade slide freely through gauge.

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5. Use shim to check depth of blade. Blade can be no more the 1/16" away from gauge. Remove gauge and weld support angle. Remove C-clamp.

NOTE: Stop gauge cannot be used on Alomitrak, Stainless Steel Enclosed, Uni/3" or 3"Inv/Uni type tracks.

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