



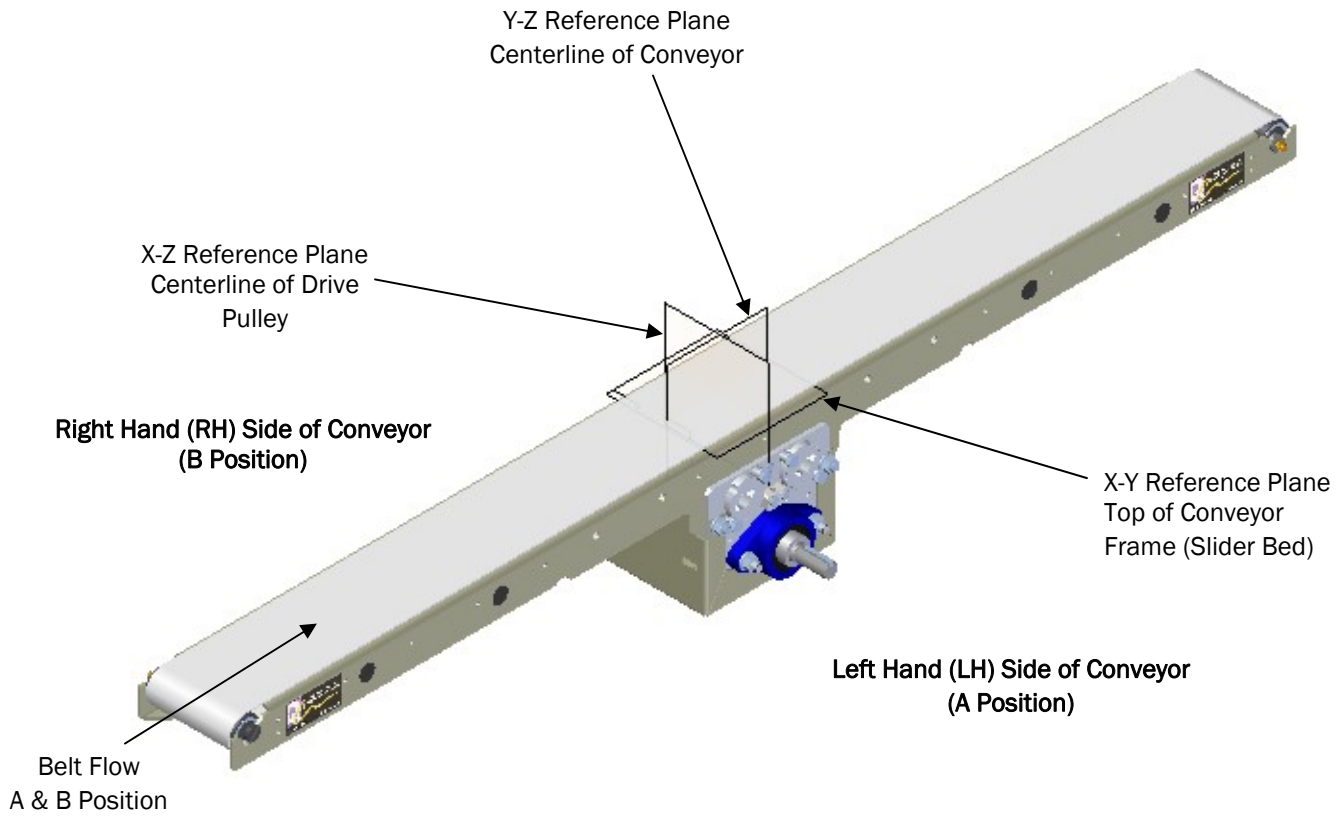
250 Series
3D CAD Disk Instructions



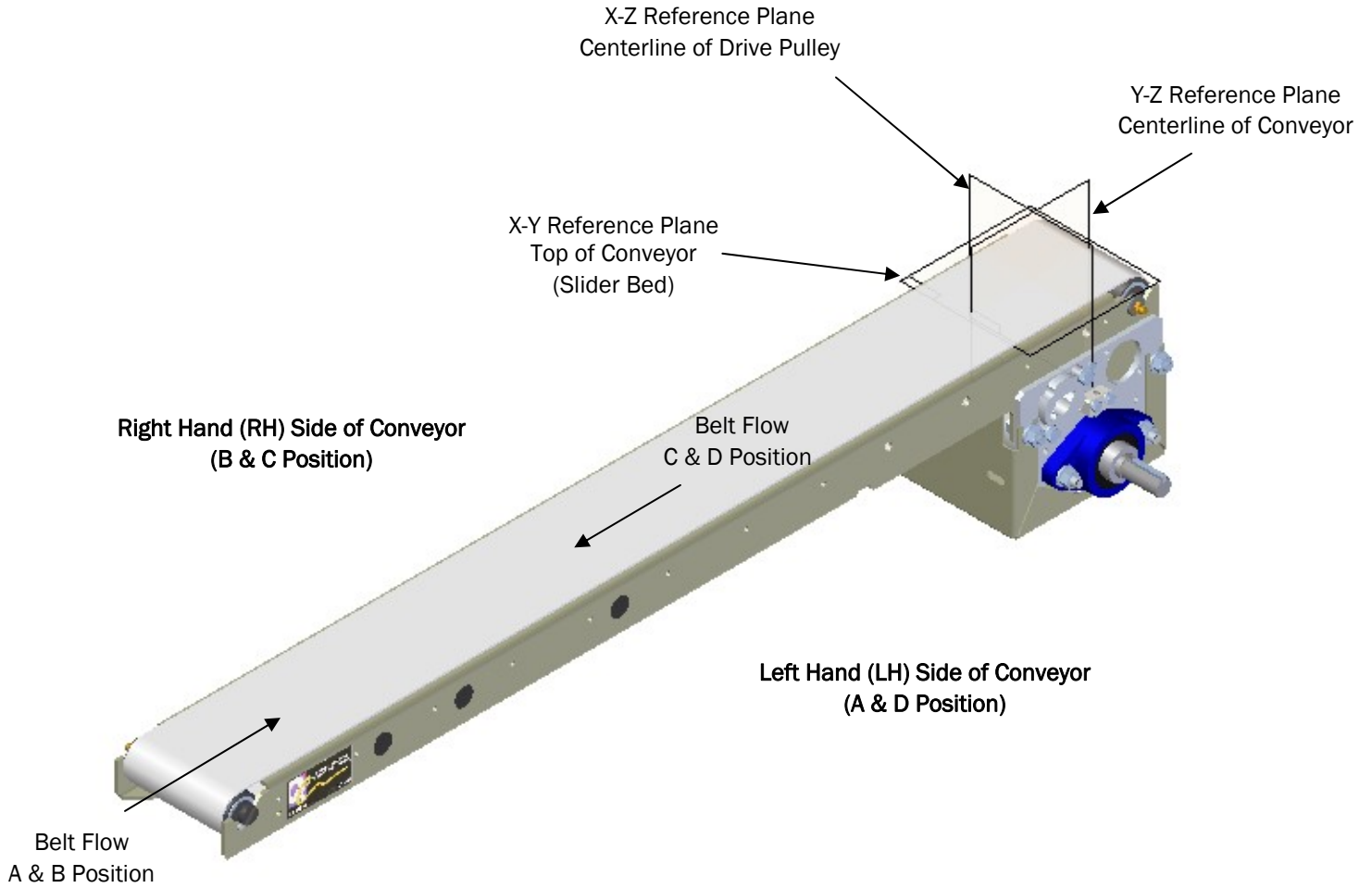
Table of Contents

Typical 250 Series Center Drive Conveyor Configuration.....	3
Typical 250 Series End Drive Conveyor Configuration	4
Fixed Side Rails – 250-0153-LLL, 250-0170-LLL, 250-0174-LLL, 250-0178-LLL, 250-0215-LLL, 250-0216-LLL, 250-0217-LLL	5
Adjustable Guide Rails – 250-0281-LLL, 250-0282-LLL, 250-0283-LLL	
Indented Guide Rails – 250-0218-LLL, 250-0219-LLL, 250-0222-LLL.....	6
Universal Bottom Mount – 125-0011-WW.....	7
Tee Mount – 125-0010-00	
Universal Adjustable Side Mount – 125-0181-04.....	8
Universal Raised Side Mount – 125-0182-04	
Steel Telescoping Stands – 0184-H1-H2-WW	9
Steel Cross Ties – 125-0236-LLL	10
Steel Telescoping Stands with Stabilizers – 0186-H1-H2-WW	11
Aluminum Exact Width Stands – 0182-H1-H2-WW	12
Aluminum Cross Ties – 125-0235-LLL	
Aluminum Drive Support Stands – 0182DS-H1-H2-WW	13
Aluminum Frame Joint Stands – 0182FJ-H1-H2-WW.....	14
Angle Brace – 125-0189-00	15
Caster – 125-0122-04	
Heavy Duty Drive Mounting Packages – M2- C (1G or 3J) (0 or 3)- 8MXXXX	16
Heavy Duty Drives	
Incline Transfer Plate – 125-0220-WW.....	17
90° Transfer Plate – 125-0230-WW	
Adjustable Stops – 125-0232-WW, 125-0239-WW	18

Typical 250 Series Center Drive Conveyor Configuration for QC Industries 3D CAD Disk



Typical 250 Series End Drive Conveyor Configuration for QC Industries 3D CAD Disk



SIDES & GUIDES

Fixed Side Rails – 250-0153-LLL, 250-0170-LLL, 250-0174-LLL, 250-0178-LLL, 250-0215-LLL, 250-0216-LLL, 250-0217-LLL

Note: On fixed, adjustable, and indented Side and Guide Rails for 250 Series conveyors, the mounting holes on the conveyor most likely WILL NOT match the mounting clip locations on the side rail. This should not be cause for alarm, as the mounting clips are adjustable down the entire length of the rail. Be assured that as long as the selected Side/Guide assembly length matches the selected conveyor length, the length of rails and quantity of clips ARE accurate.

Fixed side rails will be separated into LH and RH assemblies. Mount the fixed side rails to the conveyor by mating the side rail's X-Y reference plane to the conveyor's X-Y reference plane. See Fig. 1-1. Then, mate the assembly with the inside face of a clip to the corresponding side of the conveyor frame. See Fig. 1-2. Finally, axially align the screw from the last clip to the last mounting hole on the tail end of the conveyor. See Fig. 1-3.

Fig. 1-1

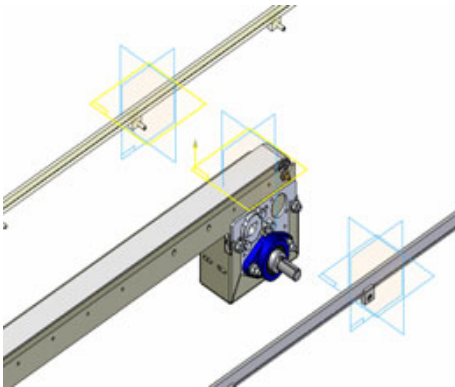


Fig. 1-2

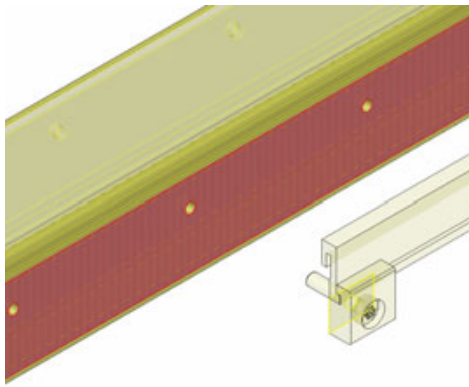
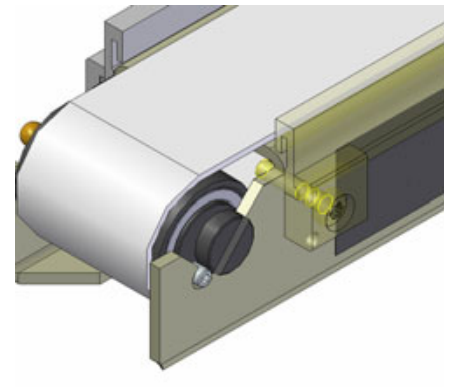


Fig. 1-3



Adjustable Guide Rails – 250-0281-LLL, 250-0282-LLL, 250-0283-LLL

Adjustable guide rails will be separated into LH and RH assemblies. Mount the adjustable guide rails to the conveyor by mating the guide rail's X-Y reference plane to the conveyor's X-Y reference plane. See Fig. 2-1. Then, mate the assembly with the inside face of a bracket to the corresponding side of the conveyor frame. See Fig. 2-2. Finally, axially align the mounting hole from the last bracket to the last mounting on the tail end of the conveyor frame. See Fig. 2-3. The vertical and horizontal rods on these guides are adjustable.

Fig. 2-1

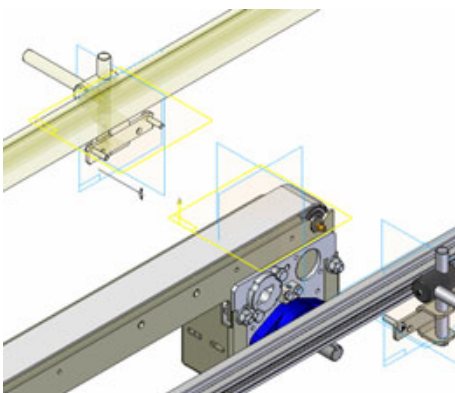


Fig. 2-2

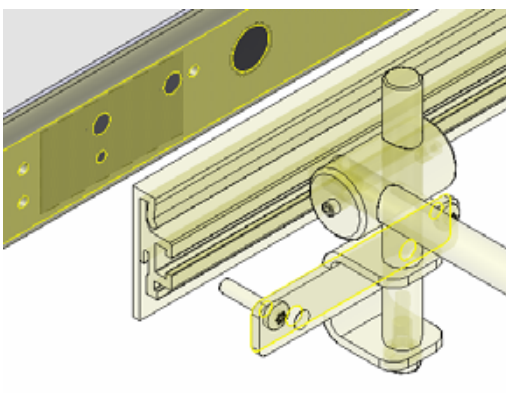
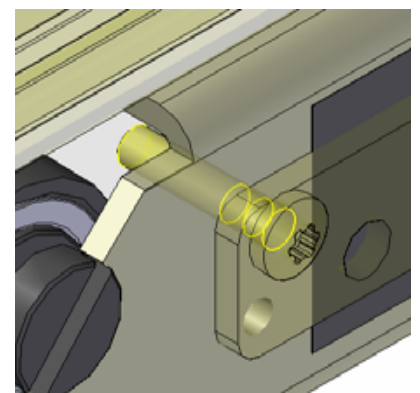


Fig. 2-3



Indented Guide Rails – 250-0218-LLL, 250-0219-LLL, 250-0222-LLL

Indented guide rails will be separated into LH and RH assemblies. Mount the indented guide rails to the conveyor by mating the guide rail's X-Y reference plane to the conveyor's X-Y reference plane. See Fig. 5-1. Then, mate the assembly with the inside face of a bracket to the corresponding side of the conveyor frame. See Fig. 5-2. Finally, axially align the mounting hole from the last bracket to the last mounting on the tail end of the conveyor frame. See Fig. 5-3.

Fig. 5-1

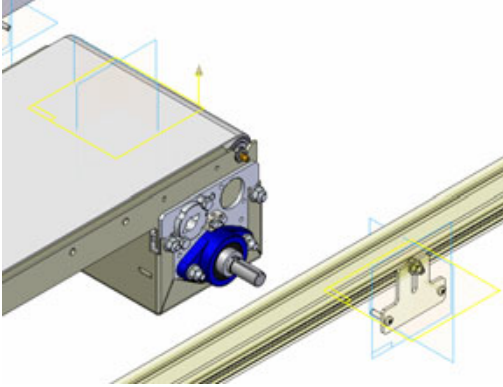


Fig. 5-2

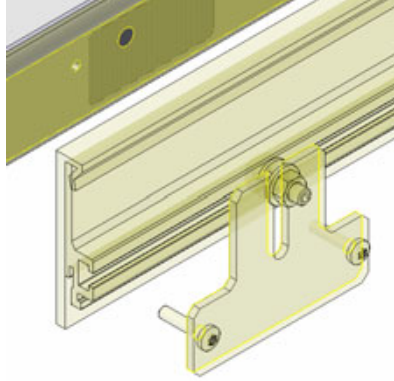
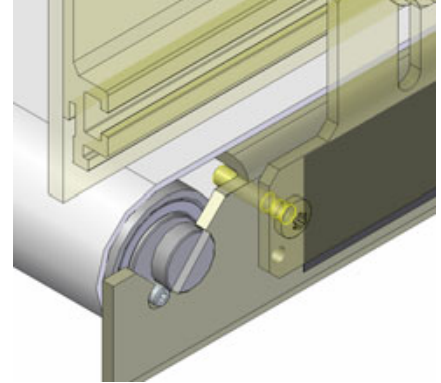


Fig. 5-3



MOUNTS

Tee Mount – 125-0010-00

Assemble the 125-0010 tee mount to the conveyor by mating the mount's Y-Z reference plane to the desired side of the conveyor's frame. See Fig. 12-1. Then, use an axial align between the screws and the desired hole locations in the conveyor frame. See Fig. 12-2.

Fig. 12-1

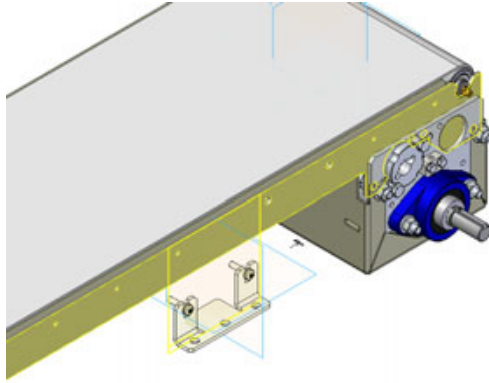
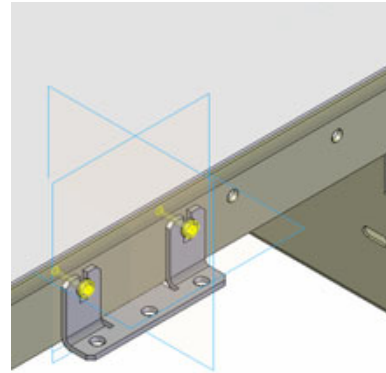


Fig. 12-2



Universal Bottom Mount – 125-0011-WW

Assemble the 125-0011-WW universal bottom mount to the conveyor by mating the mount's Y-Z reference plane to the conveyor's Y-Z reference plane. See Fig. 13-1. Then, use a mate between the top face of the mount to the bottom face of the conveyor, with a 0.1" offset. See Fig. 13-2. Adjust the universal bottom mount along the length of the conveyor accordingly. See Fig. 13-3.

Fig. 13-1

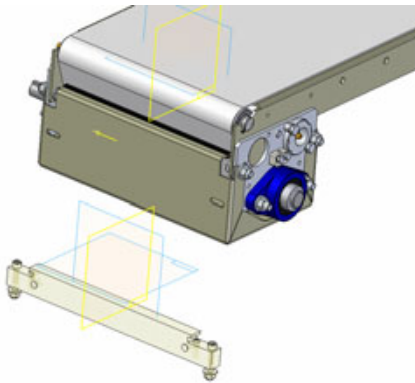


Fig. 13-2

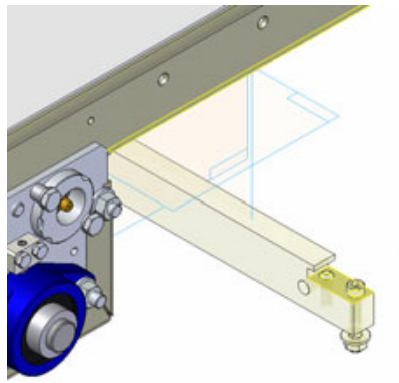
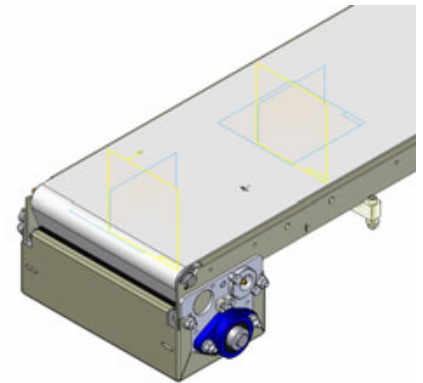


Fig. 13-3



Universal Raised Side Mount – 125-0182-04

Assemble the 125-0182-04 universal raised side mount to the conveyor by mating the mount's Y-Z reference plane to the appropriate face of the conveyor's frame. See Fig. 14-1. Then, use axial aligns between the screws and the desired hole locations in the conveyor frame. See Fig. 14-2.

Fig. 14-1

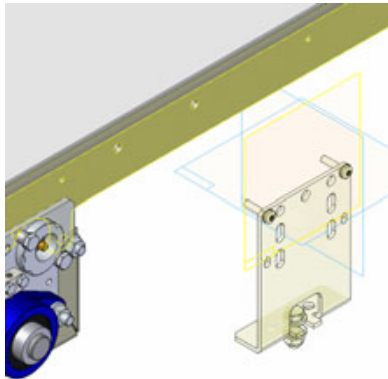
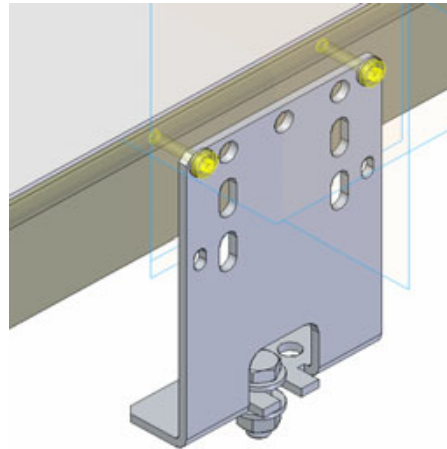


Fig. 14-2



Universal Adjustable Side Mount – 125-0181-04

Assemble the 125-0181-04 universal adjustable side mounts to the conveyor by mating the mount's Y-Z reference plane to the desired face of the conveyor's frame. See Fig. 15-3. Then, use axial aligns between the screws and the desired holes in the conveyor's frame. See Fig. 15-4.

Fig. 15-4

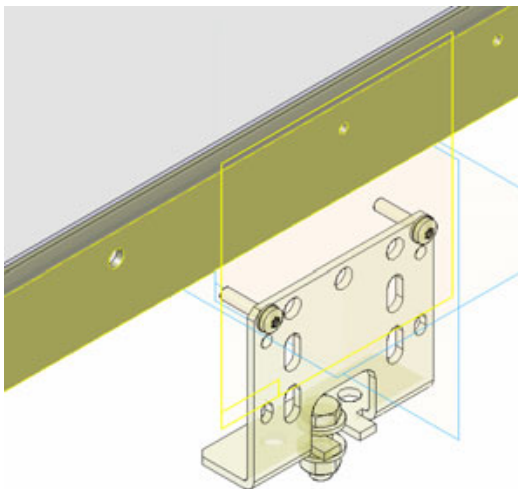
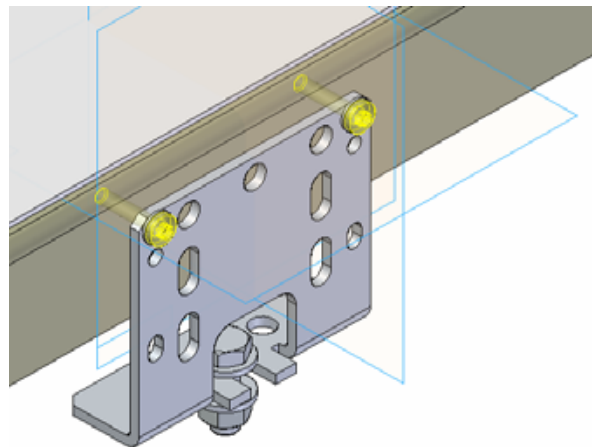


Fig. 15-5



STANDS

Steel Telescoping Stands – 0184-H1-H2-WW

The 0184-H1-H2-WW stands are designed to mount to a conveyor via several styles of mounts from the mount section. Assemble the 0184-H1-H2-WW steel telescoping stand to the conveyor by aligning the stand's Y-Z reference plane to the conveyor's Y-Z reference plane. See Fig. 16-1. Then, use a mate between the bottom of the mount to the top of the stand. See Fig. 16-2. Finally, planar align the mount's X-Z reference plane to the steel stand's X-Z reference plane. See Fig. 16-3.

Fig. 16-1

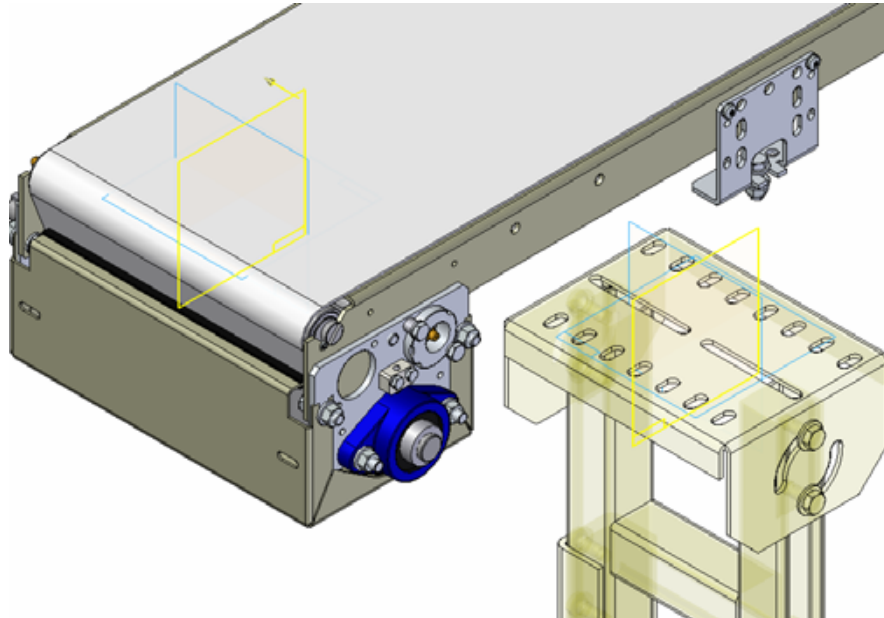


Fig. 16-2

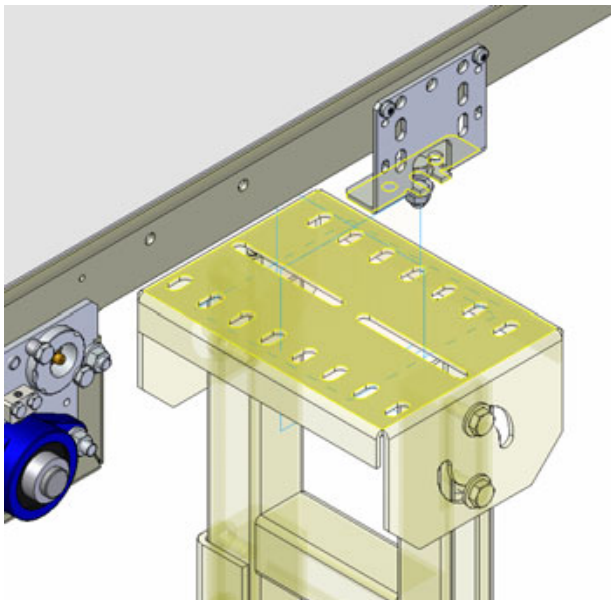
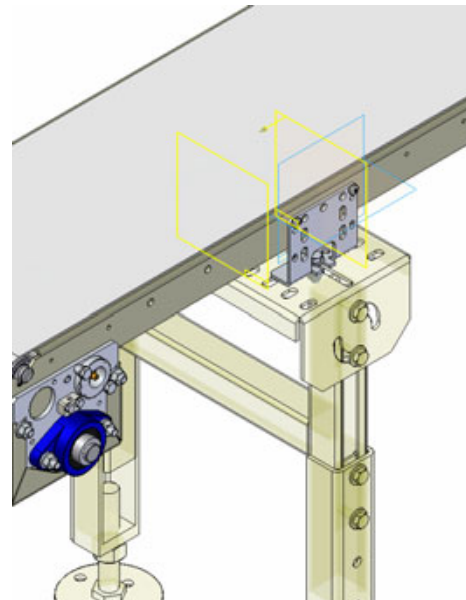


Fig. 16-3



Steel Cross Ties – 125-0236-LLL

The steel cross ties will be separated into LH and RH assemblies. Assemble the 125-0236-LLL steel cross ties to the stand by mating the cross tie's Y-Z reference plane to the stand's outside face of a leg. See Fig. 17-1. Then, perform axial alignments between the bolts in the cross ties to the corresponding hole locations in the leg of the stand. See Fig. 17-2, 17-3. Cross ties are cut to length and may need to be adjusted to fit your particular stand locations.

Fig. 17-1

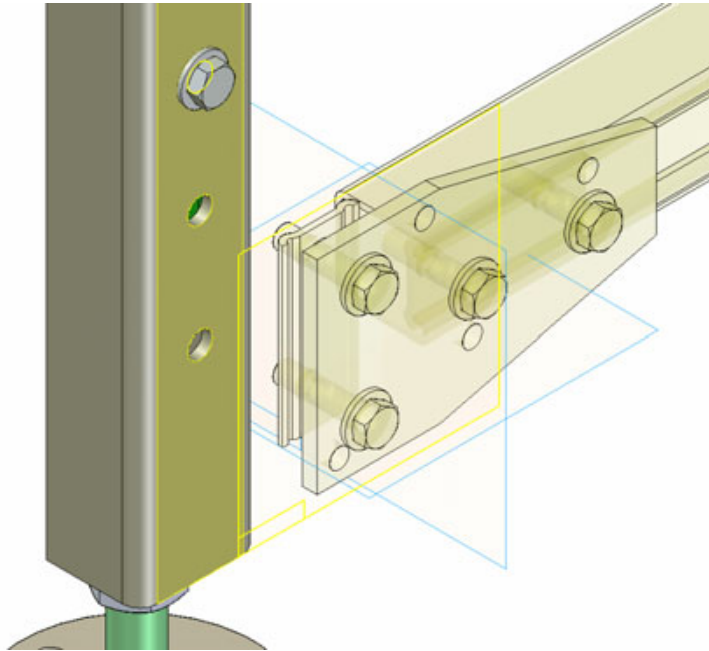


Fig. 17-2

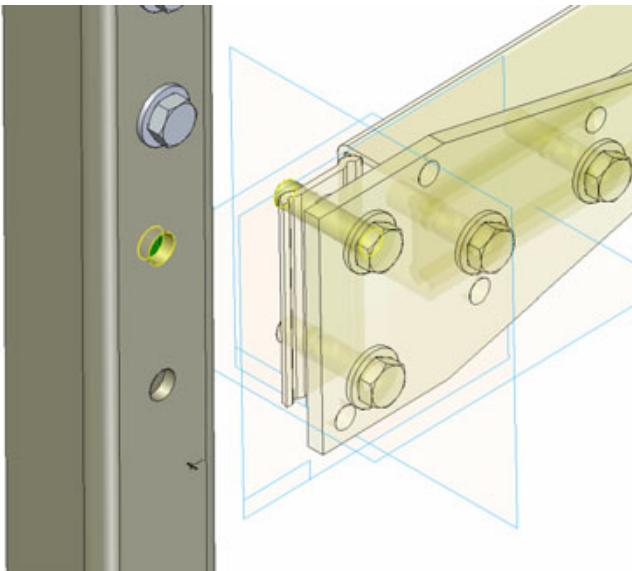
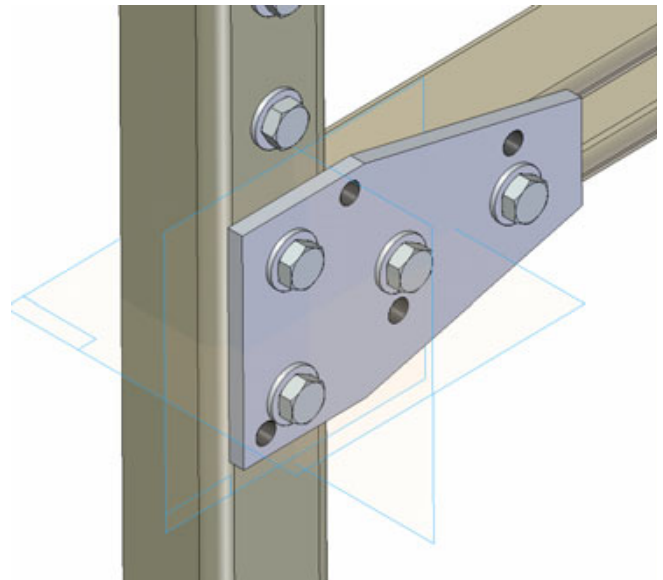


Fig. 17-3



Steel Telescoping Stands with Stabilizers – 0186-H1-H2-WW

The 0186-H1-H2-WW stands are designed to mount to a conveyor via several styles of mounts from the mount section. Assemble the 0186-H1-H2-WW steel telescoping stand with stabilizers to the conveyor by aligning the stand's Y-Z reference plane to the conveyor's Y-Z reference plane. See Fig. 18-1. Then, use a mate between the bottom of the mount to the top of the stand. See Fig. 18-2. Finally, planar align the mount's X-Z reference plane to the steel stand's X-Z reference plane. See Fig. 18-3 and Fig. 18-4

Fig. 18-1

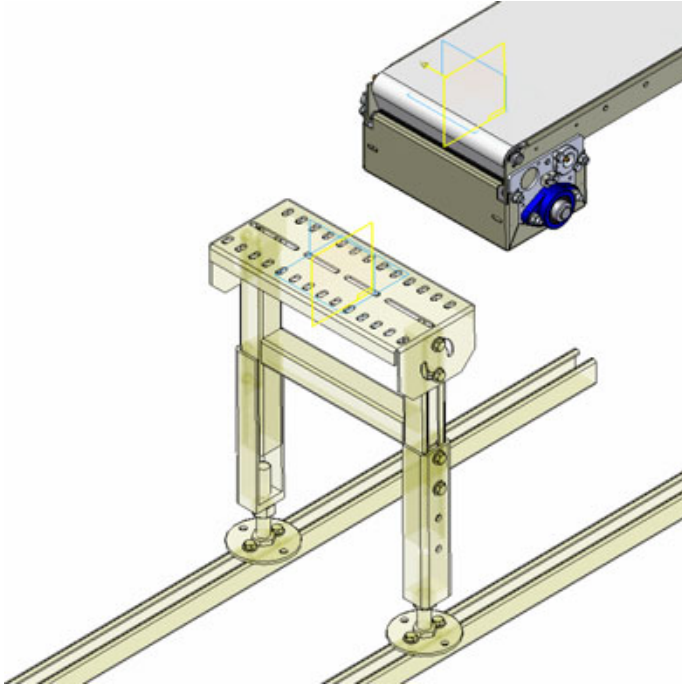


Fig. 18-2

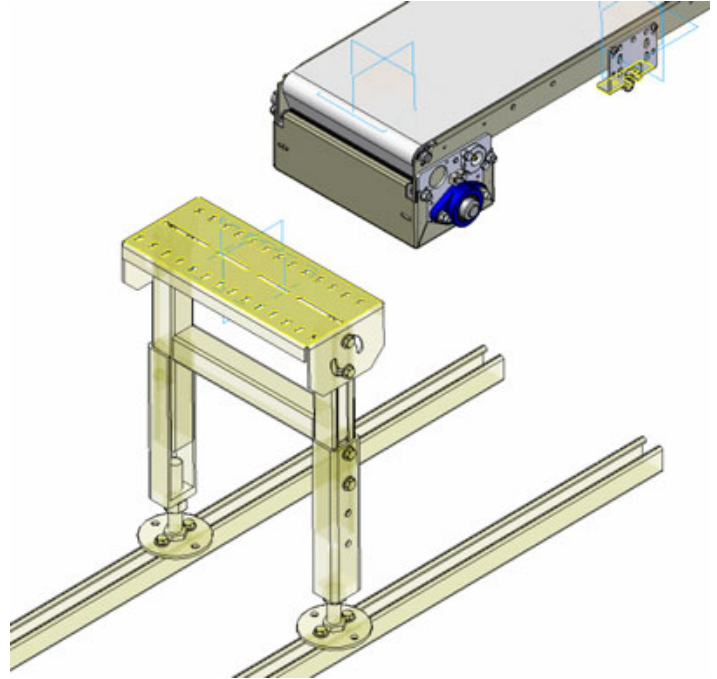


Fig. 18-3

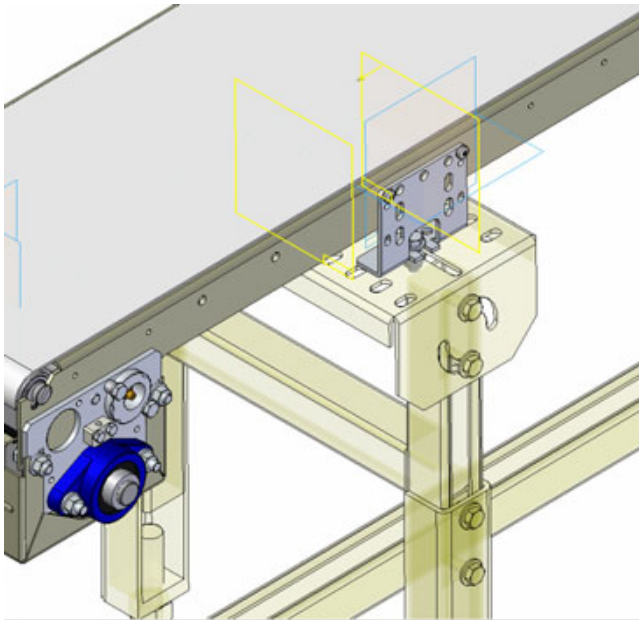
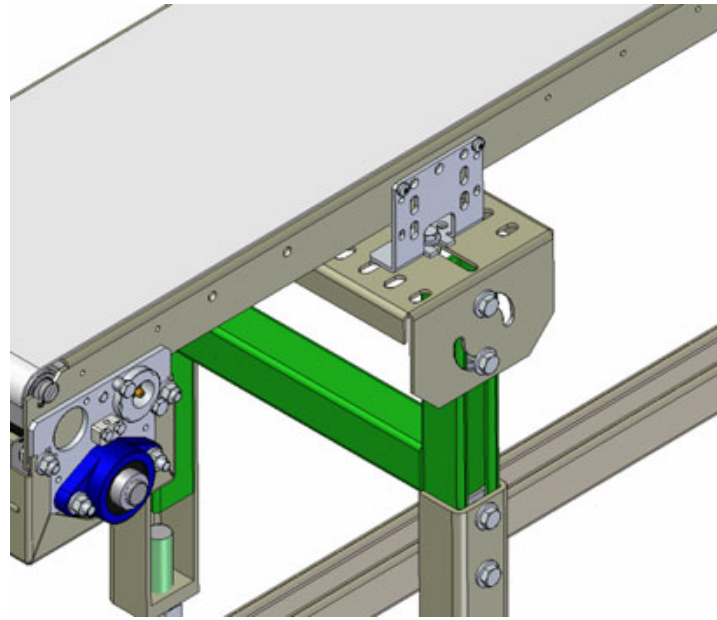


Fig. 18-4



Aluminum Exact Width Stands – 0182-H1-H2-WW

Assemble the 0182-H1-H2-WW aluminum exact width stand to the conveyor by aligning the stand's Y-Z reference plane to the conveyor's Y-Z reference plane. See Fig. 19-1. Then, perform axial aligns between the screws in the mount to the appropriate holes in the conveyor's frame. See Fig. 19-2.

Fig. 19-1

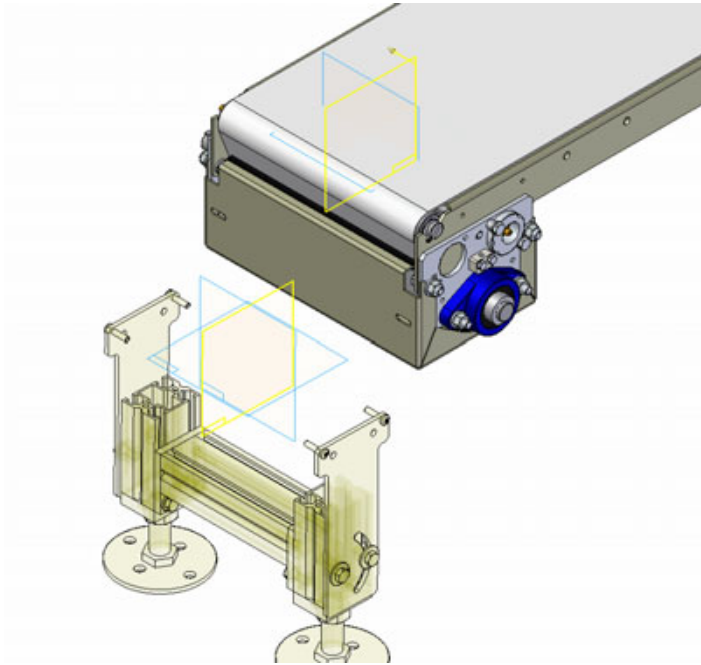
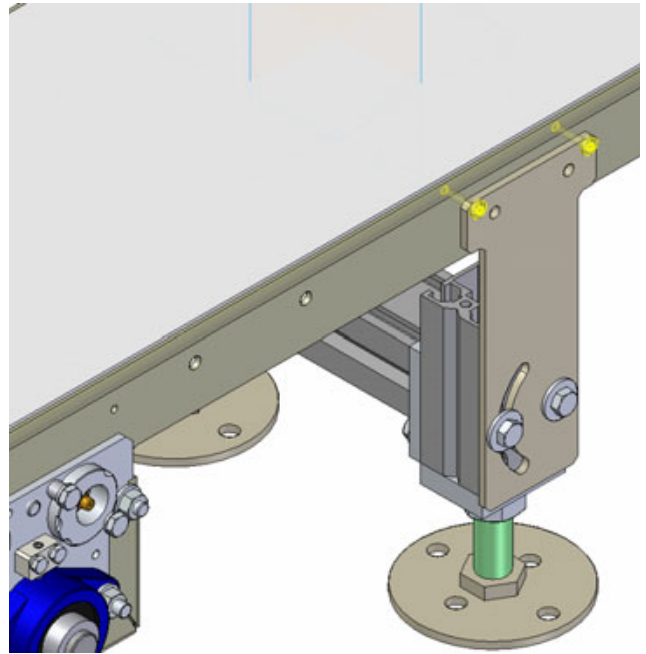


Fig. 19-2



Aluminum Cross Ties – 125-0235-LLL

The aluminum cross ties will be separated into LH and RH assemblies. Assemble the 125-0235-LLL aluminum cross ties to the aluminum exact width stand by aligning the cross tie's Y-Z reference plane to the stand's face. See Fig. 20-1. Then, use a planar align between the end of the mounting bracket to the end of the stand. See Fig. 20-2. Adjust the height of the cross ties as needed. See Fig. 20-3. Cross ties are cut to length and may need to be adjusted to fit your particular stand locations.

Fig. 20-1

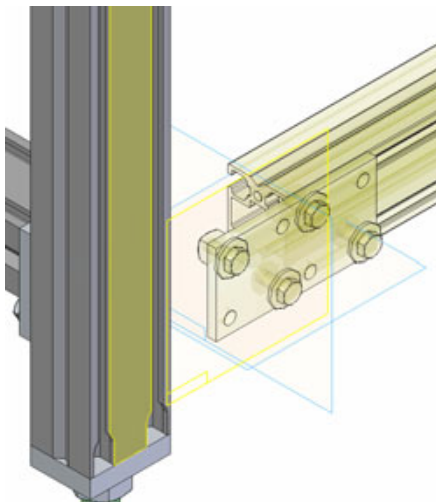


Fig. 20-2

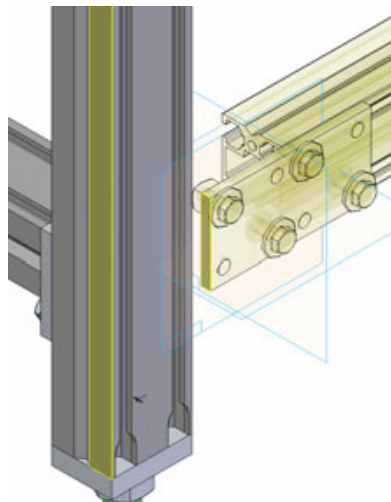
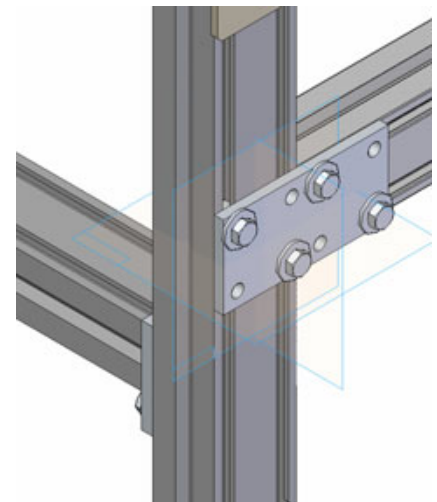


Fig. 20-3



Drive Support Stands – 0182DS–H1-H2-WW

The 0182DS-H1-H2-WW stands are designed to mount to an End Drive conveyor's drive section to support it. Assemble the 0182DS-H1-H2-WW aluminum drive support stand to the conveyors by aligning the stand's X-Z reference plane to the conveyor's X-Z reference plane. See Fig. 21-1. Then, align the stand's X-Y reference plane to the conveyor's X-Y reference plane. See Fig. 21-2. Finally, perform a planar align between the Y-Z reference plane of the stand to the Y-Z reference plane of the conveyor. See Fig. 21-3.

Fig. 21-1

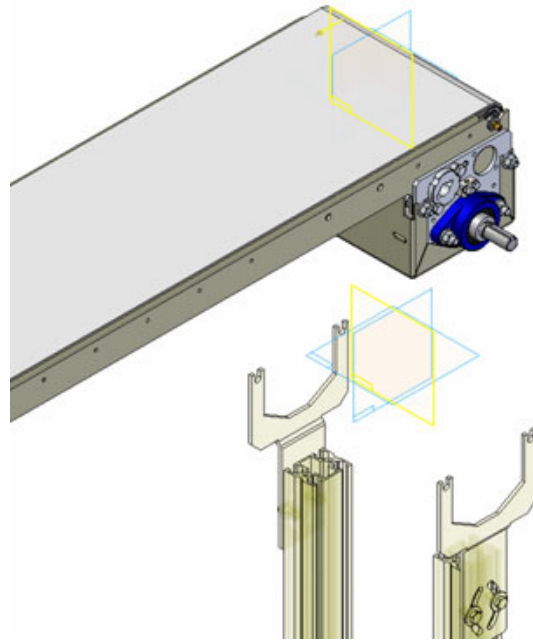


Fig. 21-2

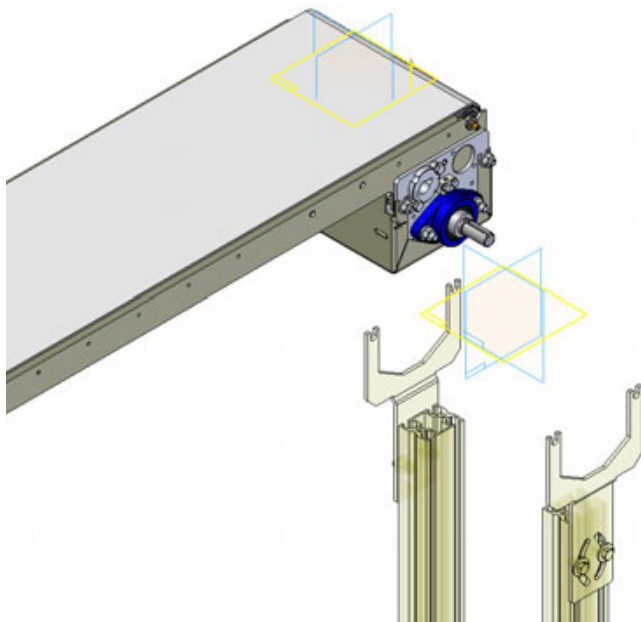
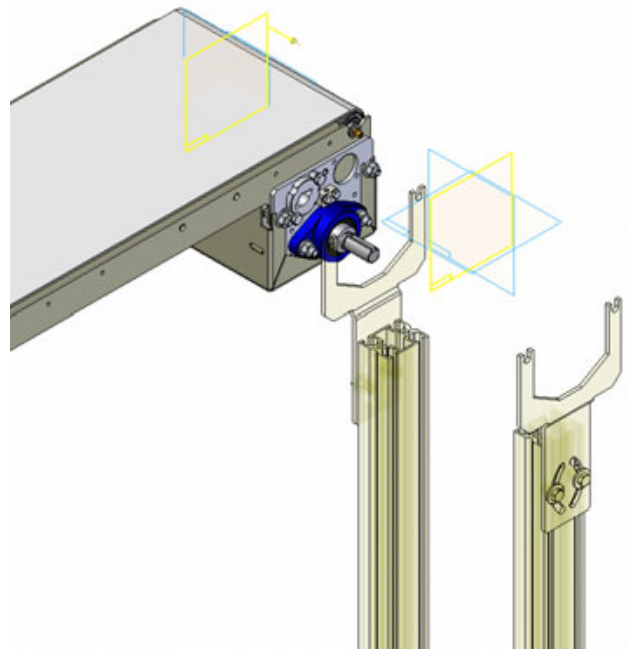


Fig. 21-3



Frame Joint Stands – 0182FJ–H1-H2-WW

The 0182FJ-H1-H2-WW stands are designed for support where two frame sections are spliced together. Assemble the 0182FJ-H1-H2-WW aluminum frame joint stand to the conveyors by aligning the stand's Y-Z reference plane to the conveyor's Y-Z reference plane. See Fig. 21-1. Then, align the stand's X-Y reference plane to the conveyor's X-Y reference plane. See Fig. 21-2. Finally, use axial alignments with the appropriate holes to adjust the frame joint stand along the length of the conveyor. See Fig. 21-3.

Fig. 21-1

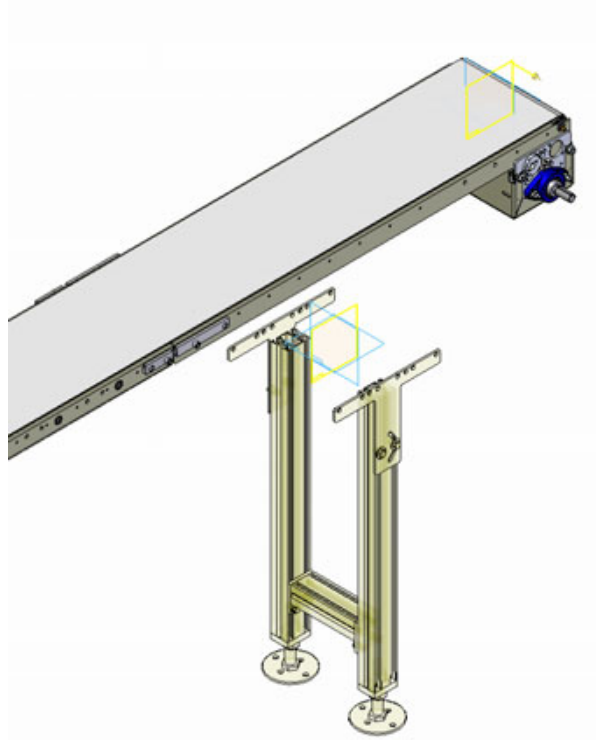


Fig. 21-2

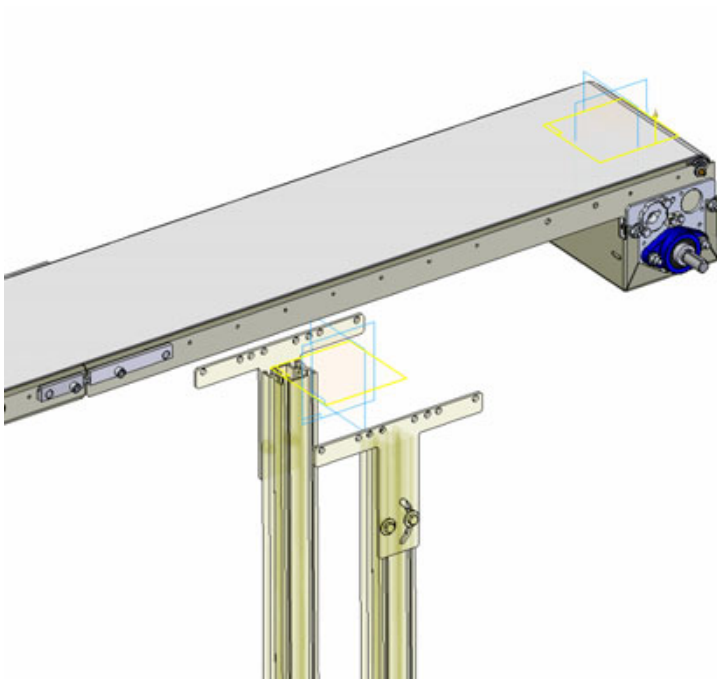
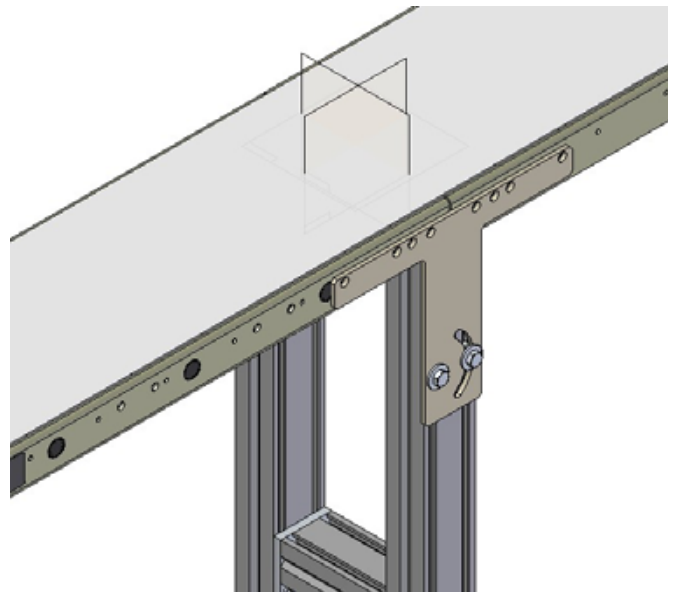


Fig. 21-3



Angle Brace – 125-0189-00

The angle braces will be separated into LH and RH assemblies. Assemble the 125-0189-00 angle brace to the conveyor by mating the angle brace's Y-Z reference plane to the outside face of the conveyor's frame. See Fig. 22-1. Then, use a planar align between the edge of the angle brace and the edge of the stand leg. See Fig. 22-2. Finally, use an axial align from the screws in the angle brace to one of the corresponding holes in the conveyor frame. See Fig. 22-3.

Fig. 22-1

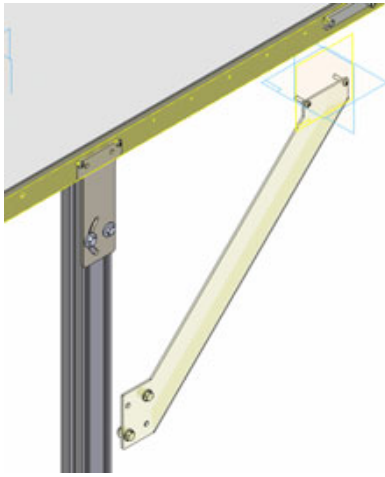


Fig. 22-2

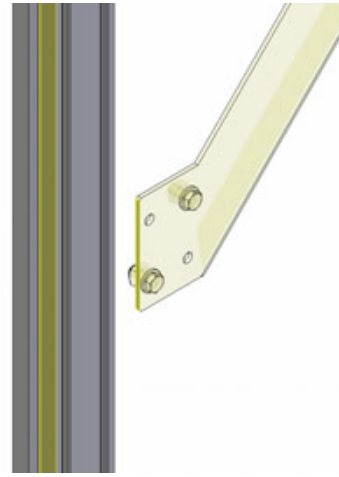


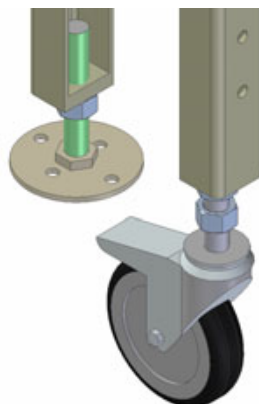
Fig. 22-3



Caster – 125-0122-04

A caster can be put in place of a regular steel or aluminum stand foot. Either the existing foot can be hidden and the caster assembled over top of the foot or the caster can replace the foot. See Fig. 23-1. Casters increase stand height by approximately 5 1/2". Fig. 23-1.

Fig. 23-1



DRIVE MOUNTING PACKAGES

Heavy Duty Drive Mounting Packages

Center/End Drives – M2- C (1G or 3J) (0 or 3)- 8MXXXX

Assemble a heavy duty center or end drive mounting package to the conveyor by mating the inside face of the mounting bracket to the corresponding side of the conveyor. See Fig. 24-1. Then, use an axial align between a mounting hole on the mounting bracket to the corresponding hole on the conveyor. See Fig. 24-2. Finally, use another axial align to align the other mounting hole on the mounting bracket to the corresponding hole on the conveyor. See Fig. 24-3.

Fig. 24-1

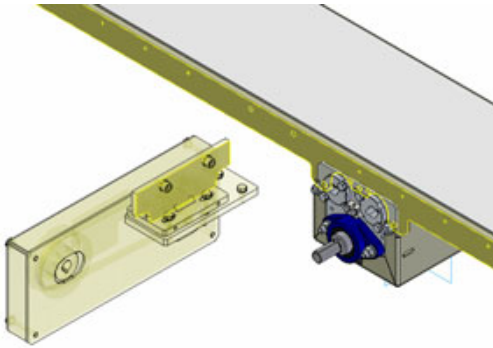


Fig. 24-2

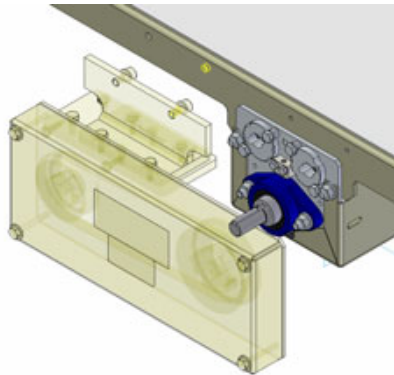
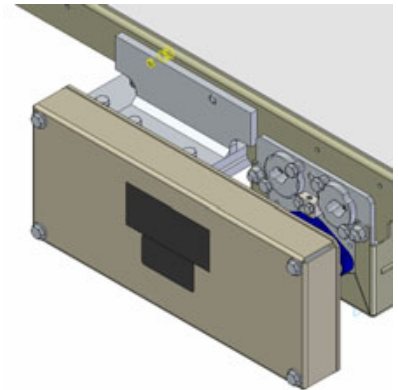


Fig. 24-3



Heavy Duty Drives

Assemble a heavy duty drive to the drive package by mating the top face of the gearbox to the bottom face of the drive package sub-plate. See Fig. 30-1. Then, use an axial align between a mounting hole gearbox to the corresponding mounting hole on the mounting package sub-plate. See Fig. 30-2. Finally, use another axial align on the gearbox to its corresponding mounting hole on the mounting package sub-plate. See Fig. 30-3. The motor can be oriented at 90° increments on the gearbox.

Fig. 30-1

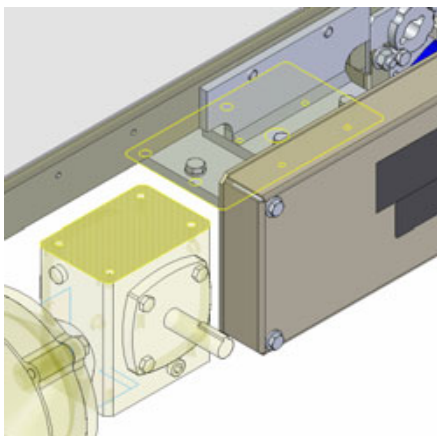


Fig. 30-2

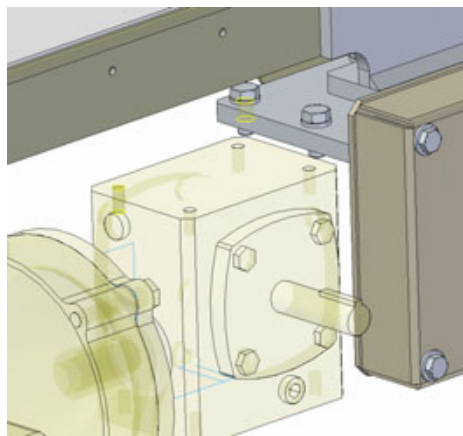
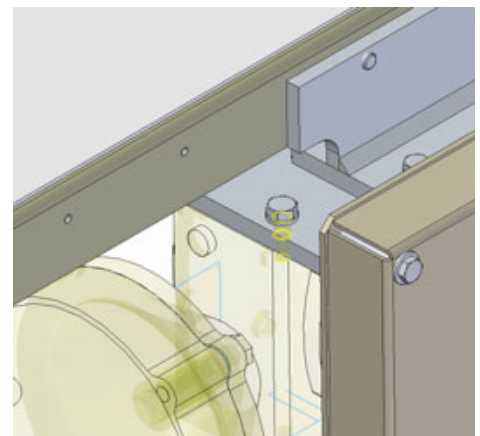


Fig. 30-3



AUTOMATION ACCESSORIES

Inline Transfer Plate – 125-0220-WW

Transfer plates are designed to be used between two inline 250 Series conveyors. Assemble the 125-0220-WW inline transfer plate to the conveyor by aligning the transfer plate's Y-Z reference plane to the conveyor's Y-Z reference plane. See Fig. 32-1. Then, use a tangent relationship between the angled edge of the transfer plate and the outside edge of the conveyor's belt. See Fig. 32-2. Finally, use another tangent relationship between the bottom edge of the transfer plate to the outside edge of the conveyor's belt. See Fig. 32-3.

Fig. 32-1



Fig. 32-2

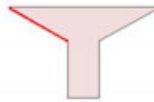
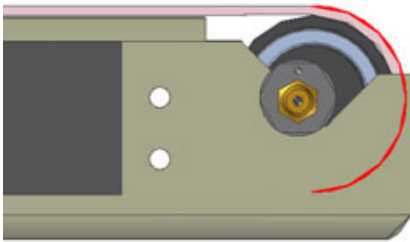
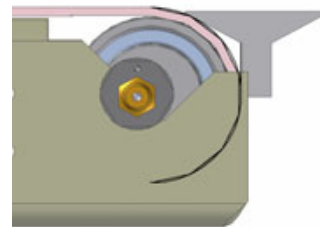


Fig. 32-3



90° Transfer Plate – 125-0230-WW

Assemble the 125-0230 90° transfer plate to the conveyor by mating the face of the transfer plate to the face of the conveyor frame. See Fig. 33-1. Then, use a mate between the bottom face of the transfer plate to the top of the conveyor's frame. See Fig. 33-2. Adjust the transfer plate along the length of the conveyor accordingly. Holes for the transfer plate need to be drilled at location into the conveyor frame.

Fig. 33-1

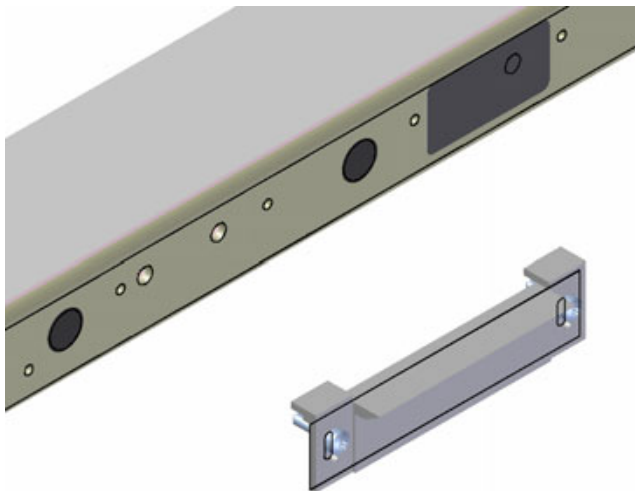
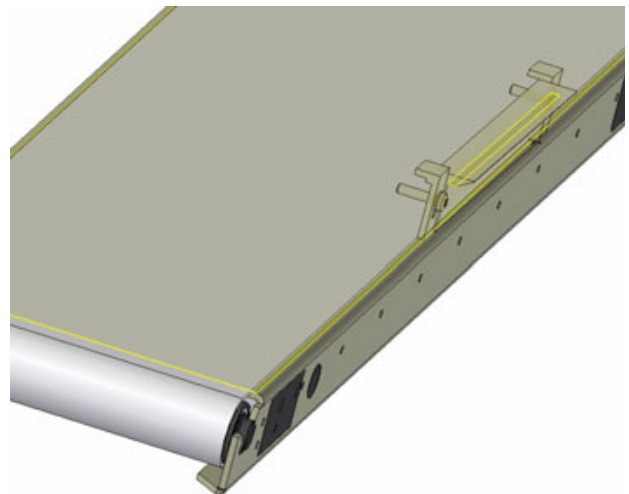


Fig. 33-2



Adjustable Stops – 125-0232-WW, 125-0239-WW

Adjustable stops are designed to be mounted to either 1" sides for the 125-0232-WW, or 2" sides for the 125-0239-WW. Assemble the 125-0232 adjustable stops to the conveyor by aligning the adjustable stop's Y-Z reference plane to the conveyor's Y-Z reference plane. See Fig. 34-1. Then, use a planar align between the adjustable stop's X-Y reference plane and the conveyor's X-Y reference plane. See Fig. 34-2. Adjust the adjustable stops along the length of the conveyor accordingly.

Fig. 34-1

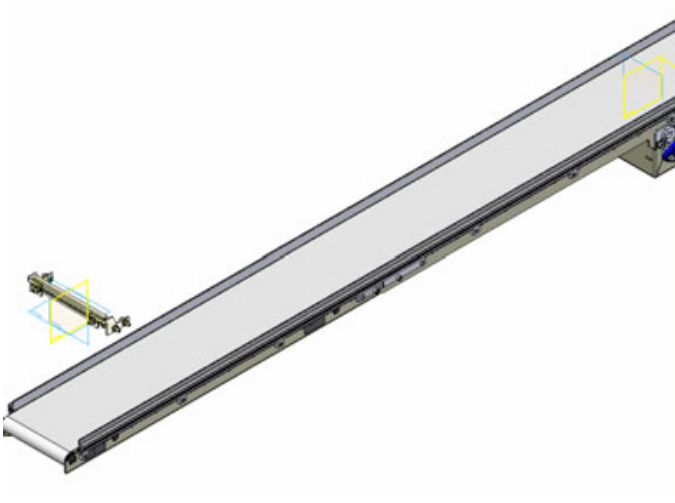


Fig. 34-2

