

**Product Manual**  
**Side Guides**

Application Guidelines, Specifications,  
Installation Procedures, Maintenance, Spare  
Parts, and Product Index



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Read these documents thoroughly before attempting to perform maintenance or repairs to the applicable Intelligrated conveyor system components or devices. Exercise extreme caution when working around moving and rotating conveyor equipment. Wear the proper clothing and safety equipment. DO NOT attempt to perform any maintenance until the equipment is de-energized, locked out and tagged out in accordance with established company procedures.

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**SECTION A: PRODUCT SUMMARY**

**Side Guide - Product Summary**

		Rail Profile	Angle	Channel					
		Height	1 3/4"	2 5/8"	7"	10"	1 5/8"		
		Type	A	B	C	D	E	F	G
<b>Guide Rail Shape</b>									
	Straight	Plain Face	X	X	X	X	X	X	X
		UHMW Face		X	X	X			
		Wheel Face		X	X	X			
	Curve – 2' 6" I. R. (30°, 45°, 60° & 90°)	Plain Face	X	X	X	X	X	X	X
		Wheel Face		X	X	X			
	Junction (30° & 45°)	Plain Face	X	X	X	X			
		Wheel Face		X	X	X			
	Power Feeder	Plain Face	X	X	X	X			
	Jack Knife	Plain Face	X	X	X	X			
Upper Bend	Plain Face	X	X	X	X				
<b>Mounting Styles</b>									
Fixed	Direct		X	X	X	X			
	Spaced		X	X	X	X			
	Offset		X	X	X	X			
Adjustable	Straight	Single					X		
		Double						X	
	Set-In	Single						X	

Height-Transition Guides: HBC (2 5/8" to 7"), HBD (2 5/8" to 10"), & HCD (7" to 10").  
Fixed mounting only.

Miscellaneous: Adjustable-mounted side guides for junctions, power feeders, jackknife units & upper bends must be field-cut to fit.

Finish: Medium-grey powder coat.



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## SECTION B: APPLICATION GUIDELINES

### General

Side guides keep product from falling off of the conveyor. They should be used in all locations except where spur lines attach to a main-line conveyor and where direct access to the product is required.

The side guides should be at least 1/3 the height of the tallest product being conveyed, or the height required by the customer specification if it is higher than 1/3 of the highest product.

If the conveyed product is taller than 20" and the speed is greater than 300 fpm, it will be necessary to either: a) consult the factory for information and pricing for a non-standard side-guide; or b) provide netting beneath the conveyor.

### Side Guide Styles

Two Styles of side guides are available, fixed and adjustable.

#### Fixed Guides

Fixed side guides are used in most applications. The four Styles of fixed side guides are:

- 1 3/4" angle (Style A)
- 2 5/8" channel (Style B)
- 7" channel (Style C)
- 10" channel (Style D)

#### Height Transition Guides

Height transition guides provide a smooth transition between side guides of different heights. They are short at one end, tall at the other, and are two feet long.

For example, an elevated conveyor that descends to a floor or mezzanine might have 10" (Style D) side guides at the upper end and 2 5/8" (Style B) side guides at the lower end. Height transition guides would allow a smooth transition from the 10" guides to the 2 5/8" guides. The height transition guides needed in this example are called HBD guides because they link Style B side guides to Style D side guides.

#### Adjustable Guides

Adjustable side guides can be moved up and down, and one type can also be set in or out. Be sure to observe the safety standards described earlier in this section when setting the height of adjustable side guides.

Adjustable side guides are seldom used. Applications that require high product visibility might include them because the customer can see between the channels.

## Mounting Styles

Side guides can be mounted several ways, depending on the application.

### Fixed Guide Mounting Styles

Fixed side guides use three mounting styles:

- Direct (Style A) - Bolted directly to the conveyor frame.
- Spaced (Style B) - Spacer nuts separate side guide from conveyor frame.
- Offset (Style C) - Brackets set the side guides in or out for narrow or wide spacing.

With direct and spaced mounting, side guides are located directly above the conveyor (see Figure B - 1). The side guide rail is flush with the inside of the conveyor side rail.

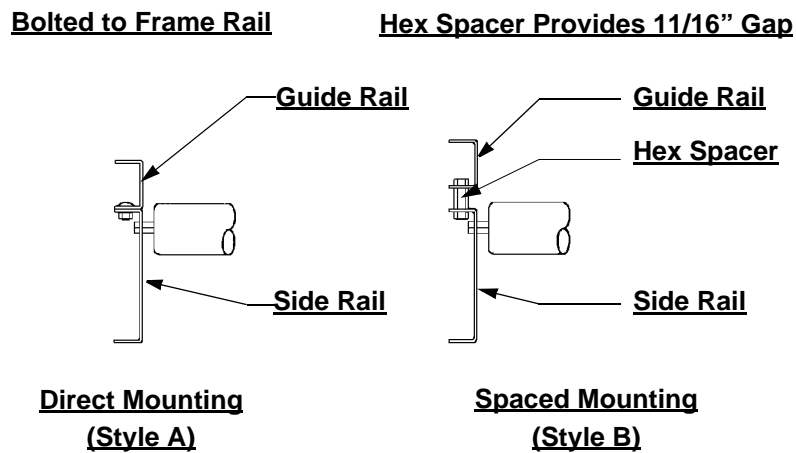


Figure B - 1 Direct Mounting and Spaced Mounting (2 5/8" channel guide shown)

With offset mounting, side guides are mounted to 3-inch brackets, which are mounted to the conveyor side rails. Offset mounting may be either set-in or set-out (see Figure B - 2).

- Set-in mounting positions the side guide 2 inches closer to the conveyor centerline than the side rail.
- Set-out mounting positions the side guide 2 inches farther from the conveyor centerline than the side rail.

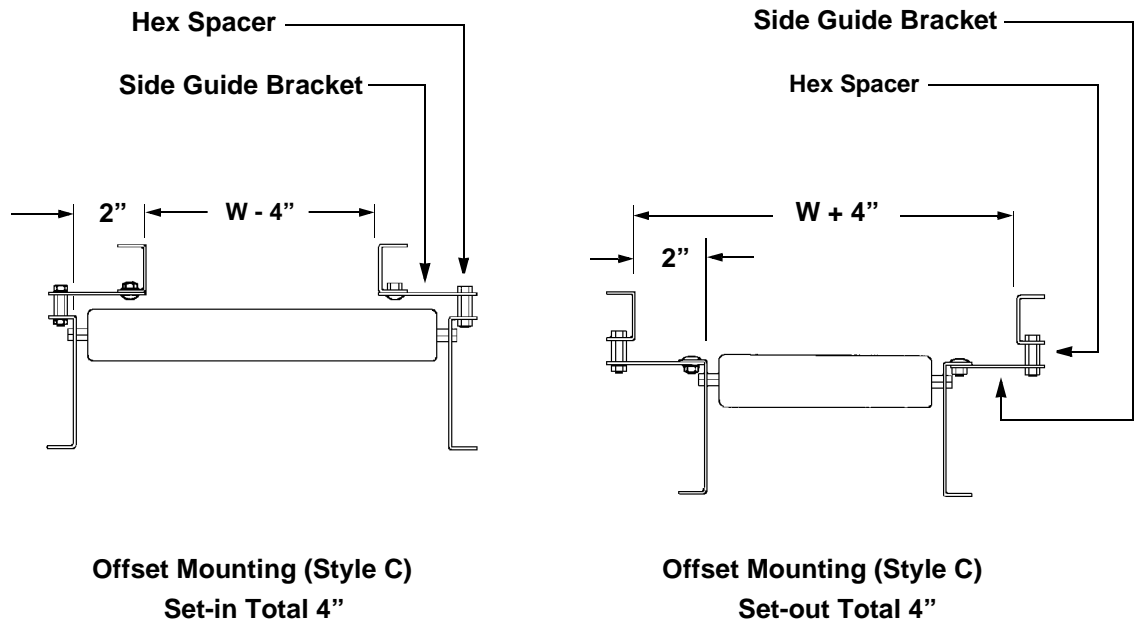


Figure B - 2 Offset Mounting (Style C), Set-in and Set-out (2 5/8" channel guide shown)

### Direct (Style A) Mounting

Use direct mounting (bolted to frame) for most applications.

### Spaced (Style B) Mounting

Use spaced mounting (with spacer nuts) when using pop-out rollers in an operator area. Pop-out rollers can be removed quickly in case of an accident. While direct mounting prevents pop-out rollers from popping out, spaced mounting allows them to pop out.

### Offset (Style C) Mounting

Use offset mounting (set in or set out) in special cases.

Use set-out mounting in the following cases:

- When a small number of boxes placed on the conveyor exceeds the conveyor width limitations.
- When a previously installed conveyor needs side guides for the first time.
- When a previously installed conveyor must be modified to accommodate wider packages.
- When the customer wishes to use set-out guides only on curves to accommodate wider package. (Normally conveyors are wide enough for all packages.)

Use set-in mounting in the following cases:

- When the product must be kept away from the conveyor edges. For example, totes are commonly wider at the top than at the bottom. Direct-mounted side guides (not set in) might allow the wide tops of the totes to extend beyond the conveyor sides. The totes may hit columns or otherwise get in the way. Guides that are set in from the conveyor sides prevent this.
- When it is necessary to force the product away from one side of the conveyor and toward the other side — for example, toward a scanner on one side of the conveyor.

## **Adjustable Guide Mounting Styles**

Adjustable side guides use three mounting styles:

- **Straight Single** – The mounting rod extends straight up the side of the conveyor and has one channel guide.
- **Straight Double** – The mounting rod extends straight up the side of the conveyor and has two channel guides.
- **Set-in Single** – The mounting rod is set in from the side of the conveyor and has one channel guide.



## Guide Rail Faces

Fixed side guides can have the following faces:

- Plain Face
- Wheel Face
- UHMW Face

### Plain Face

Side guides with plain painted surfaces are the simplest. They produce a moderate level of friction between the side guide and product.

### Wheel Face

Side guides with skatewheels prevent product from dragging on the guide. For example, as a box moves into a curve or junction it drags against one side, possibly causing a pileup. Skatewheels reduce this drag.

### UHMW Face

Side guides with UHMW attached can also prevent drag. The choice of skatewheels or UHMW depends on the specific application and the preference of the customer (although UHMW is rarely used for curves and junctions).

## Curved Sections (90°, 60°, 45°, and 30°)

The following are common features of curved sections (see Figure B - 3).

- **Inside rail** - The conveyor side rail on the inner part of the curve
- **Outside rail** - The conveyor side rail on the outer part of the curve
- **Inside radius** - The distance from the curve center point to the inside surface of the inside rail.
- **Outside radius** - The distance from the curve center point to the inside surface of the outside rail
- **Conveyor width** - The distance between the inner surfaces of the conveyor side rails (sometimes called back-to-back measurement)

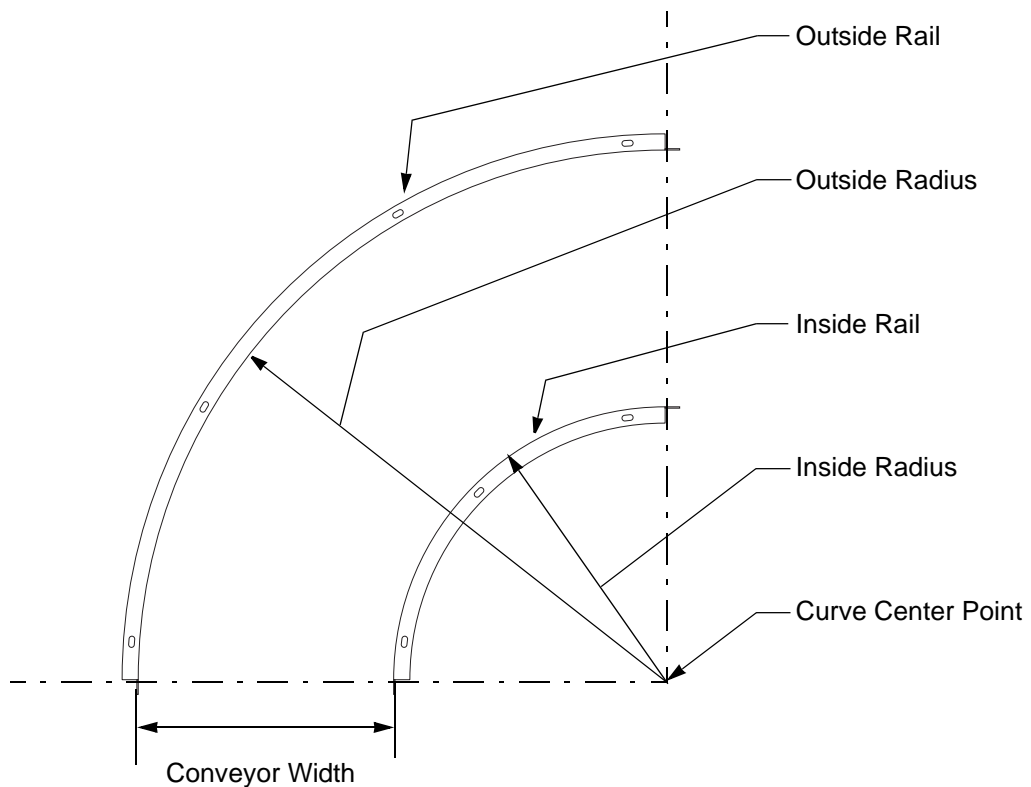


Figure B - 3 90° Curved Section Terms

Two Styles of curved side guides are available, as follows:

- 26IR – Inside radius is 2'-6"; outside radius varies with conveyor width
- True Taper – Inside radius and outside radius both vary to fit True Taper curved conveyor sections

Table B 1: Curve Radii

Conveyor Width	2' - 6" IR Curve		True Taper Curve	
	Inside Radius	Outside Radius	Inside Radius	Outside Radius
10"	2' - 6"	3' - 4"	N.A.	N.A.
16"	2' - 6"	3' - 10"	2' - 6"	3' - 10"
22"	2' - 6"	4' - 4"	3' - 4"	5' - 2"
28"	2' - 6"	4' - 10"	4' - 0"	6' - 4"
34"	2' - 6"	5' - 4"	5' - 0"	7' - 10"
40"	2' - 6"	5' - 10"	5' - 0"	8' - 4"

For Accuglide conveyors an optional 11" straight extension (plus 1" overlap) is available for each end of the curve.

True Taper curves are available in the following conveyor types:

- Accuglide
- T/C
- V-Belt

### Straight Angle Guides - (1 3/4")

Straight angle guides are attached to the conveyor body at four places and are coupled to the adjoining side guide at the bottom of the guide.

#### Direct Mounting

The direct mounting kit (Style A, part number 633990) provides the hardware needed to mount one plain 12' straight 1 3/4" angle side guide (see Figure B - 4). The side guide is bolted to the frame in four locations.

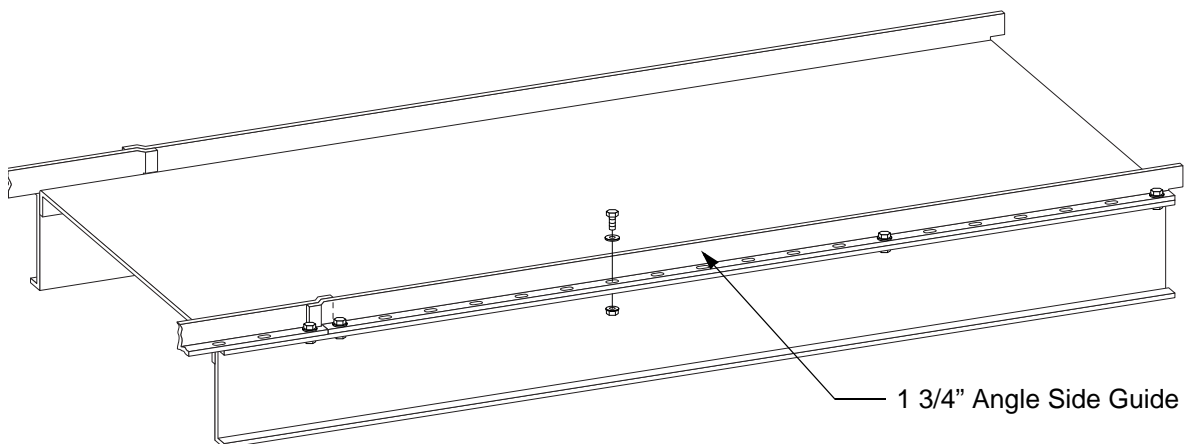


Figure B - 4 1 3/4" Angle Side Guide, Direct Mounting

## Spaced Mounting

The spaced mounting kit (Style B, part number 633991) provides the hardware needed to mount one plain 12' straight 1 3/4" angle side guide (see Figure B - 5). The side guide is bolted to the frame, with a spacer, in four locations.

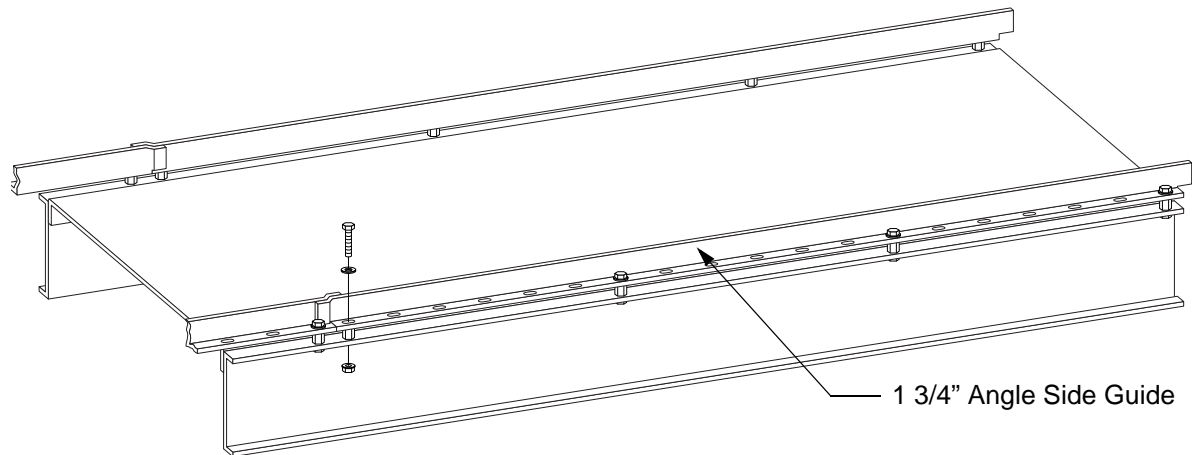


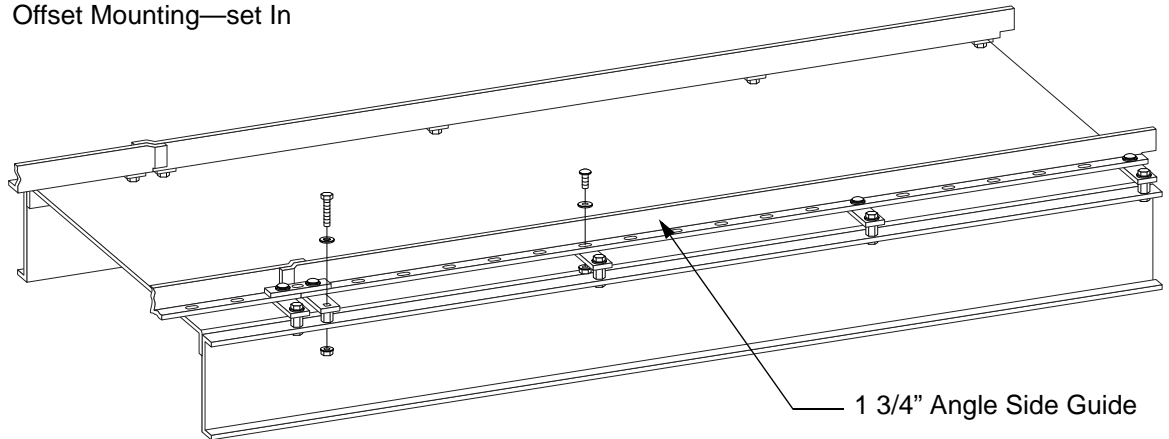
Figure B - 5 1 3/4" Angle Side Guide, Spaced Mounting

## Offset Mounting

In offset mounting (see Figure B - 6), the side guide is bolted to the bracket, and the bracket is bolted to the body. A hex nut is used for a spacer. When the guide is set in, the hex spacer is used where it attaches to the body; when the guide is set out, the hex spacer is used where the bracket attaches to the side guide.

The offset mounting kit (Style C, part number 633992) provides the hardware needed to mount one plain 12' straight 1 3/4" angle side guide, either set in or set out.

Offset Mounting—set In



Offset Mounting—Set Out

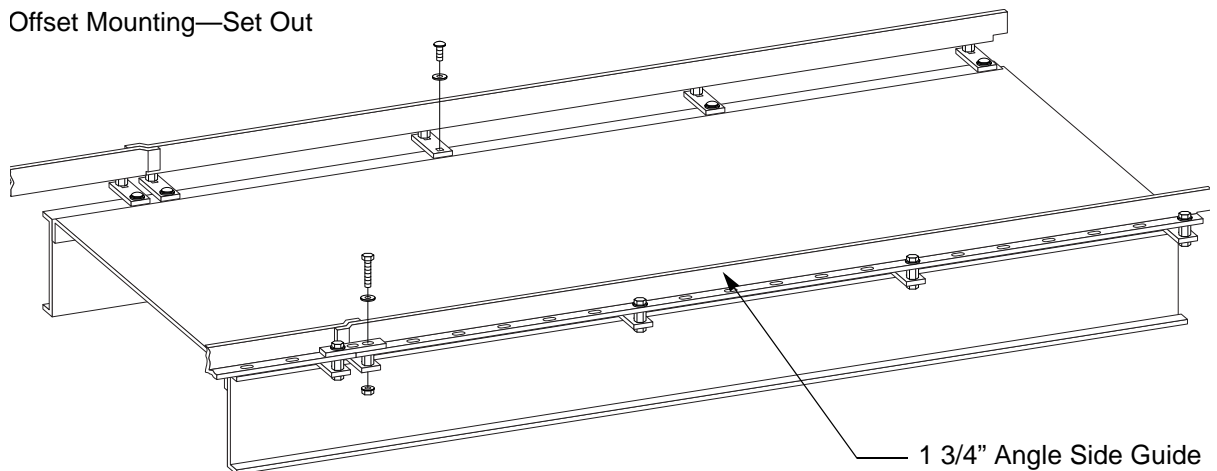


Figure B - 6 1 3/4" Angle Guide, Offset Mounting—Both Set In and Set Out Shown

## Curved Angle Guides - (1 3/4")

Any curved side guide rail – 90°, 60°, 45°, or 30° – can be mounted using the direct, spaced, or offset mounting style. Figure B - 7 shows a 1 3/4" angle side guide with a 90° curve.

### Mounting Curved Sections

The angle of a curve affects the length of the guide rail; the length is also affected by such factors as:

- The width of the conveyor
- Whether the curve is a True Taper or a 2' - 6" IR curve

The length of a side guide may also affect the number of mounting points. The outside 90° side guide is bolted to the frame in four locations. The inside 90° side guide is bolted to the frame in three locations (see Figure B - 7).

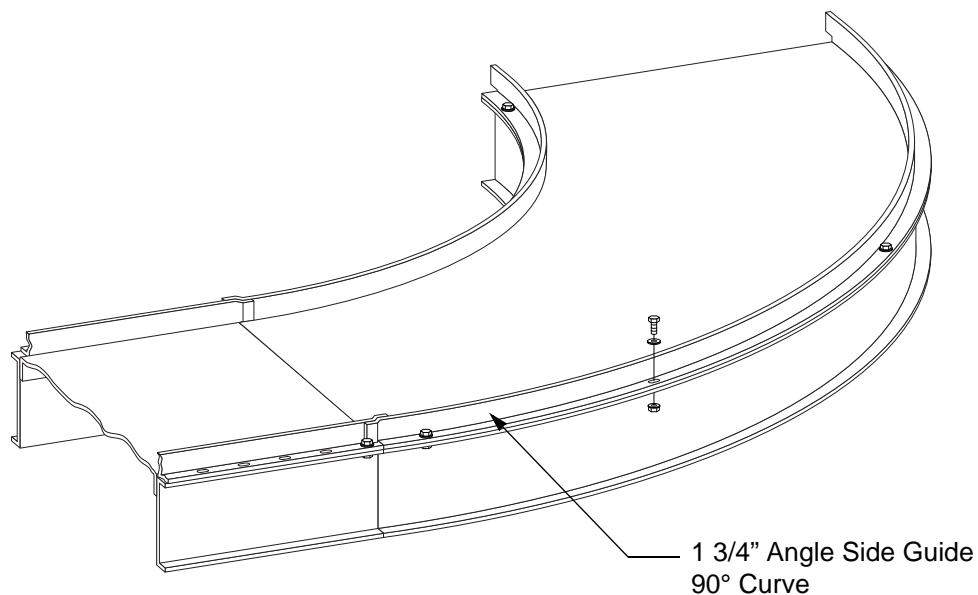


Figure B - 7 1 3/4" Angle Side Guide, 90° Curve, Direct Mounting

The direct mounting kit (Part No. 633990) provides the hardware for 1 3/4" angle side guide curves using direct mounting.

The spaced mounting kit (Part No. 633991) provides the hardware for 1 3/4" angle side guide curves using spaced mounting. (The 1 3/4" angle curve using spaced mounting is not shown; refer to Figure B - 5 for an example of spaced mounting.)

The offset mounting kit (Part No. 633992) provides the hardware for 1 3/4" angle side guide curves using offset mounting. (The 1 3/4" angle curve mounted using offset mounting is not shown; refer to Figure B - 6 for an example of offset mounting.)

## Power Feeder Angle Guides - (1 3/4")

Side guides can be attached to incline, decline, and reversing power feeders.

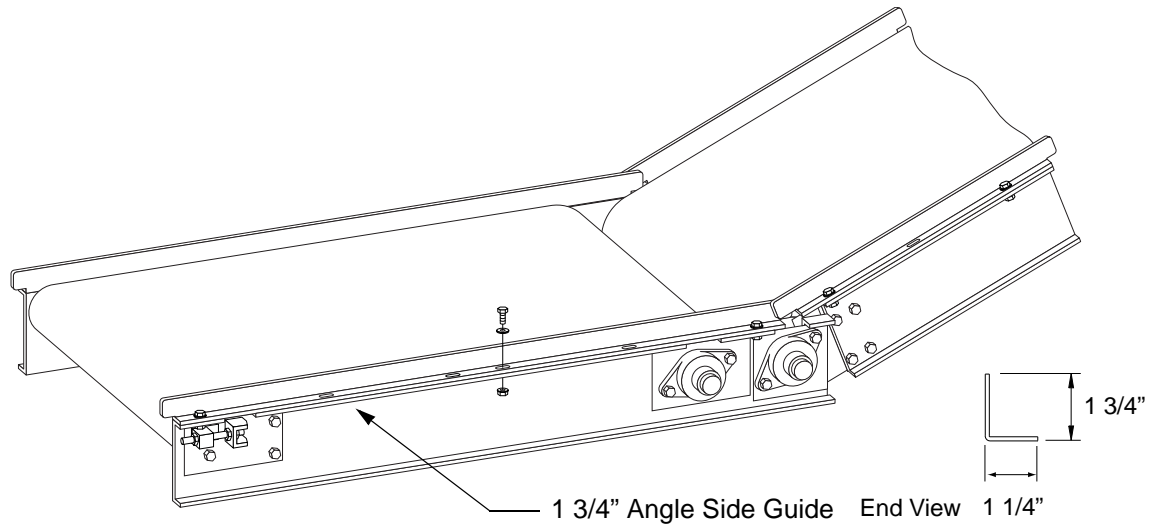


Figure B - 8 Power Feeder, Inclined, with 1 3/4" Angle Side Guides; Direct Mounting

### Direct Mounting

The direct mounting kit (part number 633990) provides the hardware needed to mount side guides to power feeders using direct mounting. The long side guide is bolted to the frame in three locations; the short guide is bolted in two locations.

### Spaced Mounting

The spaced mounting kit (part number 633991) provides the hardware needed to mount side guides to power feeders using spaced mounting. The long side guide is bolted to the frame, with a spacer, in three locations; the short guide is attached in two locations. Spaced mounting of power feeders is not shown; see Figure B - 5 for a 1 3/4" angle side guide mounted using spaced mounting.

### Offset Mounting

The offset mounting kit (part number 633992) provides the hardware needed to mount side guides to power feeders using offset mounting, either set in or set out. The long rail of the power feeder side guide is attached to the conveyor body at three places, and the short rail of the power feeder side guide is attached to the conveyor body at two places. The side guides are coupled to the adjoining side guide at the bottom of the guide, using a flat and the necessary bolts and washers.

Offset mounting of power feeders is not shown; see Figure B - 6 for a 1 3/4" angle side guide mounted using offset mounting.

## Upper Bend Angle Guides - (1 3/4")

Fixed side guides for power feeders are similar to standard fixed guides, but the ends are different; the angles and overlapping tabs must allow proper mounting and overlap where the horizontal section meets the slope (see Figure B - 9).

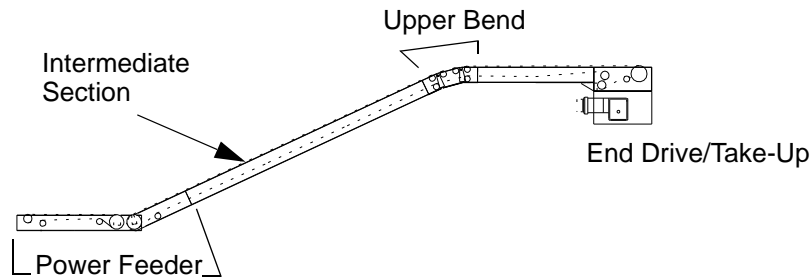


Figure B - 9 Power Feeder Arrangement

The Upper Bend Unit provides the curved transition between an inclined section and horizontal section. Figure B - 10 shows an upper bend unit with 1 3/4" angle side guides. The upper bend consists of two end rails and a center rail. In the illustration, the rail at the right connects with a horizontal conveyor. The rail at the left connects with an inclined conveyor.

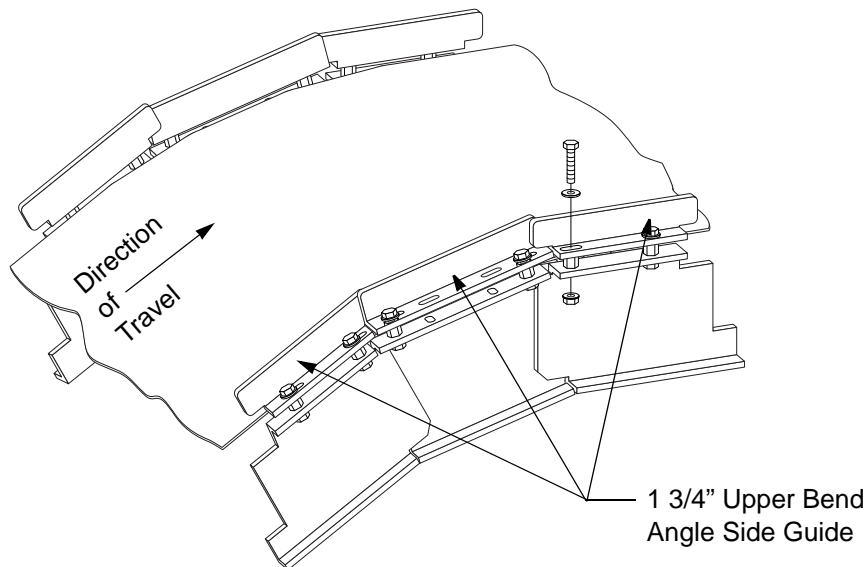


Figure B - 10 Upper Bend Unit with 1 3/4" Angle Side Guides, Spaced Mounting

The hardware required to install upper bend angle side guides is included with the side guides. Figure B - 10 shows spaced mounting. See Figure B - 4 and Figure B - 6 for examples of direct and offset mounting.



## Straight Channel Guides - (2 5/8", 7", 10")

The 2 5/8" channel guides, 7" channel guides, and 10" channel guides may be plain-faced or wheel-faced.

Channel side guides are attached to the conveyor body at four places. They are coupled to the adjoining side guide at the underside of the top flange and at the bottom of the guide (using a flat and the necessary bolts and washers).

### Direct Mounting

The direct mounting kit (Style A, part number 633990) provides the hardware needed to mount one plain 12' straight channel side guide (see Figure B - 11). The side guide is bolted to the frame in four locations.

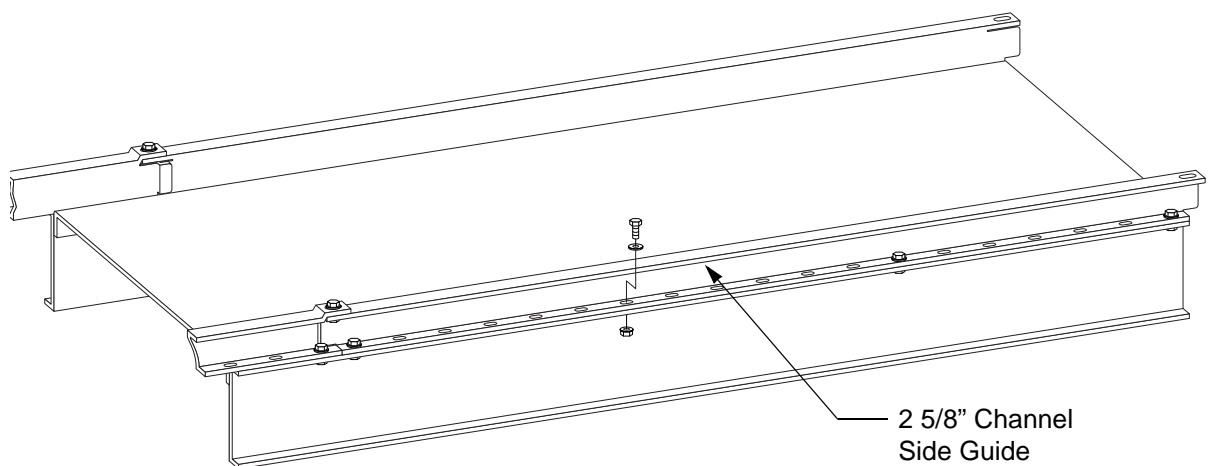


Figure B - 11 Channel Side Guides, 2 5/8" Channel Shown, Direct Mounting

## Spaced Mounting

The spaced mounting kit (Style B, part number 633991) provides the hardware needed to mount one plain 12' straight channel side guide (see Figure B - 12). The side guide is bolted to the frame, with a spacer, in four locations.

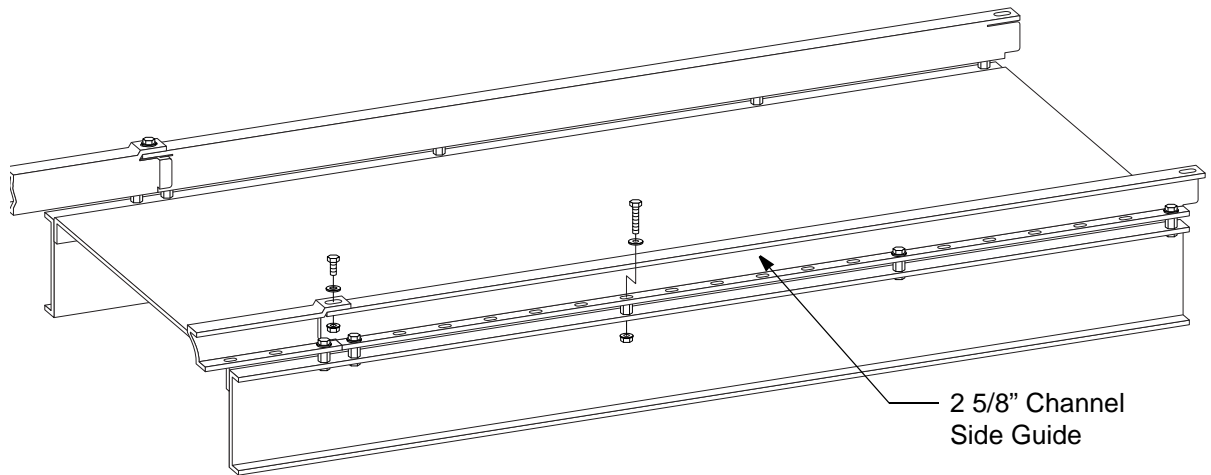


Figure B - 12 Channel Side Guides, 2 5/8" Channel Shown, Spaced Mounting

## Offset Mounting

In offset mounting (see Figure B - 13), the side guide is bolted to the bracket, and the bracket is bolted to the body. A hex nut is used for a spacer. When the guide is set in, the hex spacer is used where it attaches to the body; when the guide is set out, the hex spacer is used where the bracket attaches to the side guide.

The offset mounting kit (Style C, part number 633992) provides the hardware needed to mount one plain 12' straight channel side guide, either set in or set out.

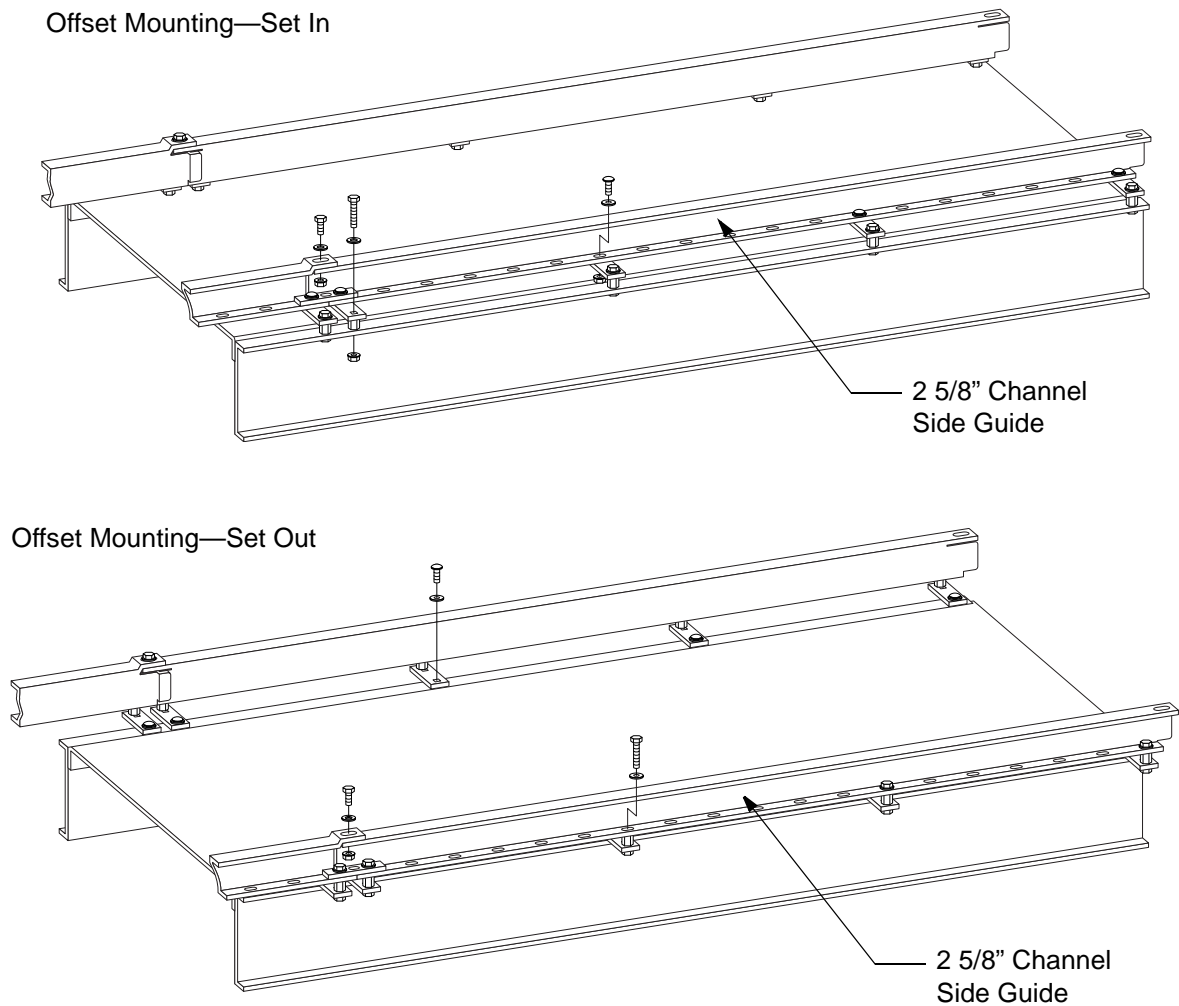


Figure B - 13 Channel Side Guides (2 5/8" Shown) Offset Mounting— Set In and Set Out

## Curved Channel Guides - (2 5/8", 7", 10")

Any curved side guide rail – 90°, 60°, 45°, or 30° – can be mounted using the direct, spaced, or offset mounting style. Figure B - 14 shows a 2 5/8" channel 90° curve.

### Mounting Curved Channel Guides

The angle of a curve affects the length of the guide rail; the length is also affected by the width of the conveyor and whether the curve is a True Taper or a 2' - 6" IR curve.

The length of a side guide may also affect the number of mounting points. The outside 90° side guide is bolted to the frame in four locations. The inside 90° side guide is bolted to the frame in three locations (see Figure B - 14).

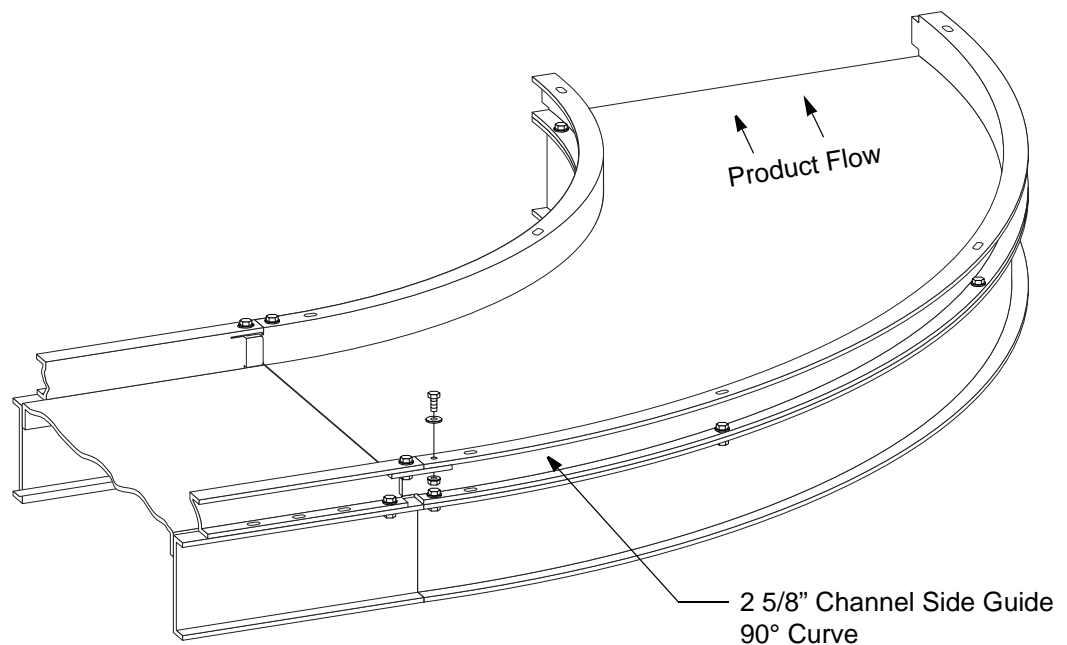


Figure B - 14 – Channel Side Guide 90° Curve, 2 5/8" Channel Shown, Direct Mounting

The direct mounting kit (Part No. 633990) provides the hardware for channel side guide curves using direct mounting.

The spaced mounting kit (Part No. 633991) provides the hardware for channel side guide curves using spaced mounting. (The channel side guide curve using spaced mounting is not shown; refer to Figure B - 12 for an example of spaced mounting.)

The offset mounting kit (Part No. 633992) provides the hardware for channel side guide curves using offset mounting. (The channel side guide curve using offset mounting is not shown; refer to Figure B - 13 for an example of offset mounting.)

**Power Feeder Channel Guides - (2 5/8", 7", 10")**

Side guides can be attached to incline, decline, and reversing power feeders.

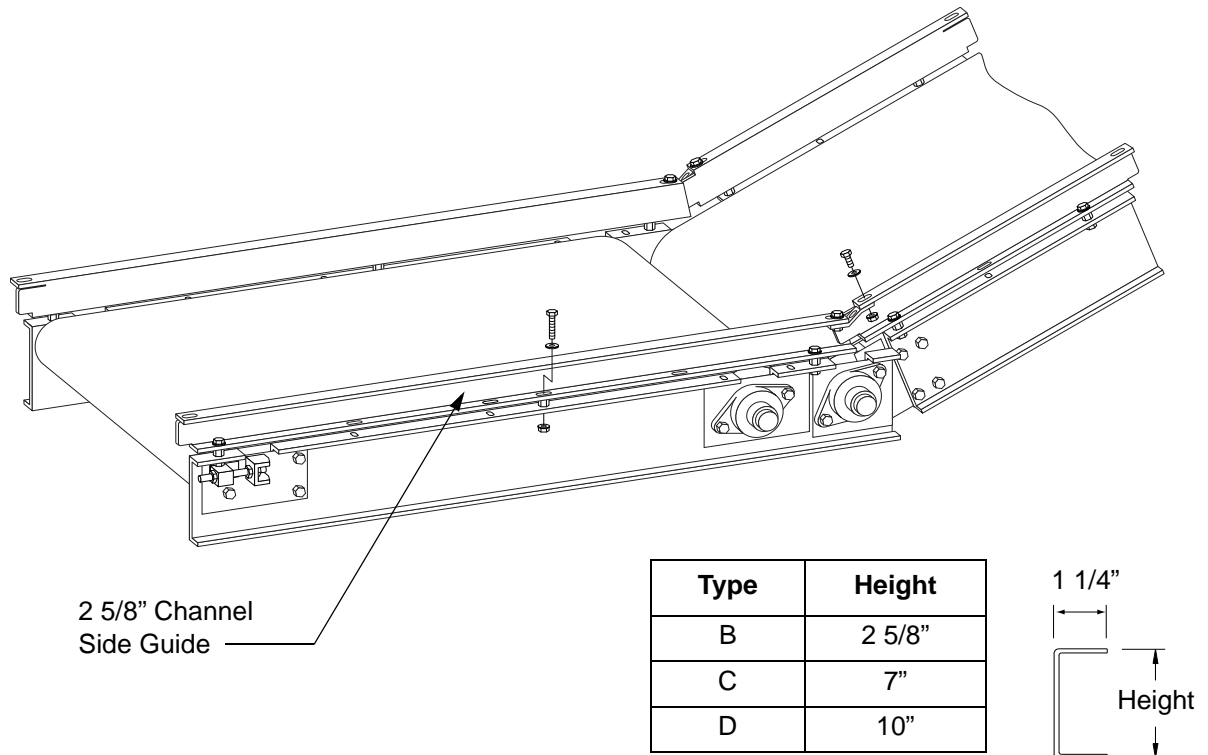


Figure B - 15 Power Feeder, Inclined, with 2 5/8" Channel Side Guides; Spaced Mounting

**Direct Mounting**

The direct mounting kit (part number 633990) provides the hardware needed to mount side guides to power feeders using direct mounting. The long side guide is bolted to the frame in three locations; the short guide is bolted in two locations.

Direct mounting of power feeder side guides is not shown; see Figure B - 11 for a channel side guide mounted using direct mounting.

**Spaced Mounting**

The spaced mounting kit (part number 633991) provides the hardware needed to mount side guides to power feeders using spaced mounting. The long side guide is bolted to the frame, with a spacer, in three locations; the short guide is attached in two locations.

**Offset Mounting**

The offset mounting kit (part number 633992) provides the hardware needed to mount side guides to power feeders using offset mounting, either set in or set out. The long rail of power feeder side guide is attached to the conveyor body at three places, and the short rail of the power feeder side guide is attached to the conveyor body at two places.

Offset mounting of power feeder side guides is not shown; see Figure B - 13 for a channel side guide mounted using offset mounting.

## Upper Bend Channel Guides - (2 5/8", 7", 10")

Fixed side guides for power feeders are similar to standard fixed guides, but the ends are different; the angles and overlapping tabs must allow proper mounting and overlap where the horizontal section meets the slope (see Figure B - 16).

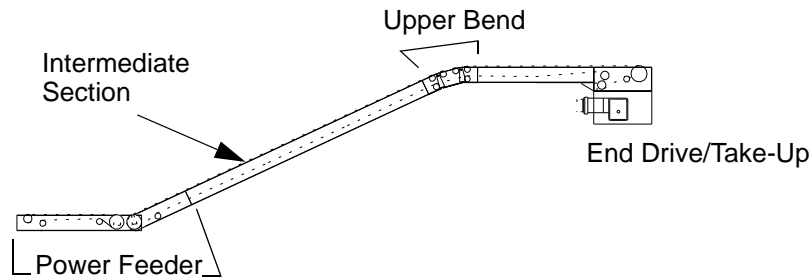


Figure B - 16 Power Feeder Arrangement

The upper bend unit provides the curved transition between an inclined section and a horizontal section. The upper bend consists of two end rails and a center rail. Figure B - 17 shows an upper bend unit with 2 5/8" channel side guides. In the illustration, the rail at the right connects with a horizontal conveyor. The rail at the left connects with an inclined conveyor.

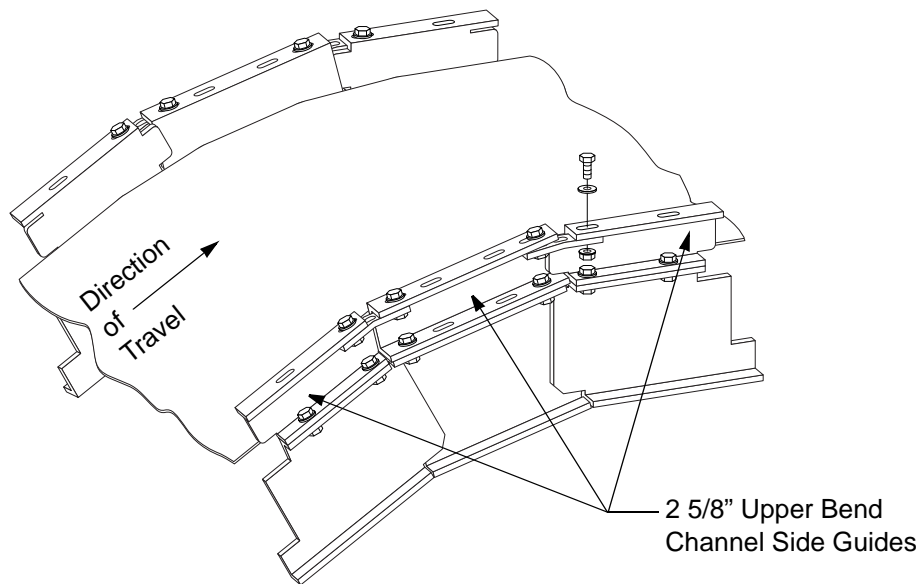


Figure B - 17 Upper Bend Unit with Channel Side Guides, Direct Mounting

The hardware required to install upper bend channel side guides is included with the side guides. Figure B - 17 shows direct mounting. See Figure B - 12 and Figure B - 13 for examples of spaced and offset mounting.

## Wheel-Face Channel Guides - (2 5/8", 7", 10")

Wheel-face channel side guides feature skate wheels that project out a fraction of an inch from the face of the rail. The wheels provide a very low friction surface against which product can move.

The wheel-face channel side guides are available in 2 5/8" channel, 7" channel and 10" channel.

Figure B - 18 shows the 2 5/8" high wheel-face side guide. This side guide is also known by the abbreviation WFB (wheel-face 2 5/8" channel).

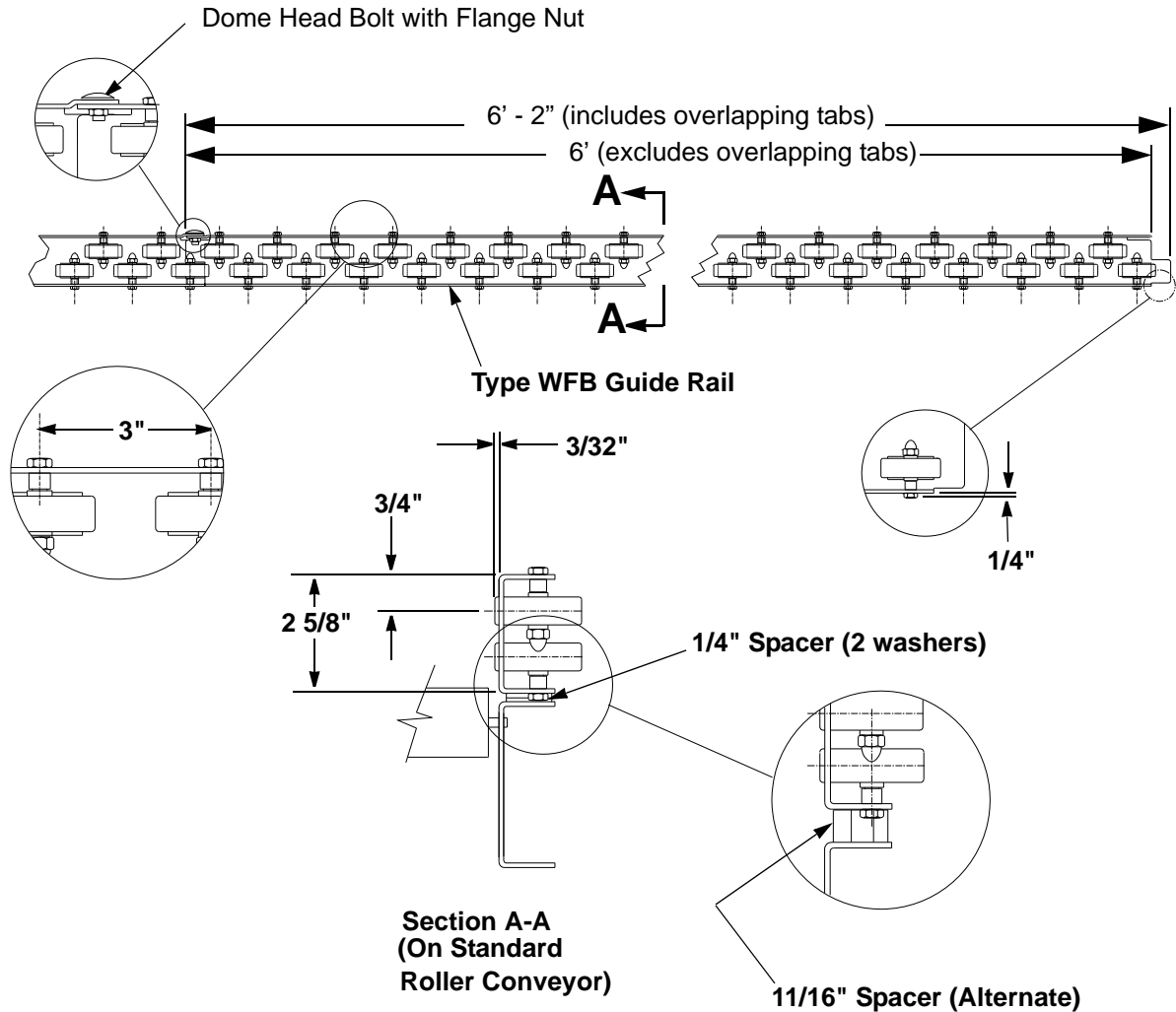


Figure B - 18 2 5/8" Wheel-Faced Side Guide

### Direct Mounting

The direct mounting kit (Style A, part number 633990) provides the hardware needed to mount one 6' - 0" wheelface side guide. The side guide is bolted to the frame in two locations.

*Note:* In order to accommodate the skate wheel bolt heads between the side guide and the conveyor, the wheelface "bolt-to-frame" style does not mount the guide *directly* to the frame, but requires a spacer to allow offset for the skate wheel bolt heads.

## Spaced Mounting

The spaced mounting kit (Style B, part number 633991) provides the hardware needed to mount one 6' - 0" wheelface side guide. The side guide is bolted to the frame in two locations.

## Offset Mounting

In offset mounting, the side guide is bolted to the bracket, and the bracket is bolted to the body. A hex nut is used for a spacer. When the guide is set in, the hex spacer is used where it attaches to the body; when the guide is set out, the hex spacer is used where the bracket attaches to the side guide.

The side guides are attached to the conveyor body at two places, and are coupled to the adjoining side guide at the underside of the top flange. The guides are also coupled to the adjoining side guide at the bottom of the guide, using a flat and the necessary bolts and washers.

The offset mounting kit (Style C, part number 633992) provides the hardware needed to mount one 6' - 0" wheelface side guide, either set in or set out. For an example of offset mounting, see Figure B - 13.



## UHMW-Face Guides - (2 5/8", 7", 10")

UHMW (Ultra High Molecular Weight) polyethylene is a smooth-sided white material that reduces friction on straight conveyors. UHMW-face side guides come in three heights, 2 5/8" channel, 7" channel, and 10" channel. 2 5/8" channel is shown in Figure B - 19.

UHMW-face guides can be mounted onto a conveyor using any of the three mounting methods: direct, spaced, or offset.

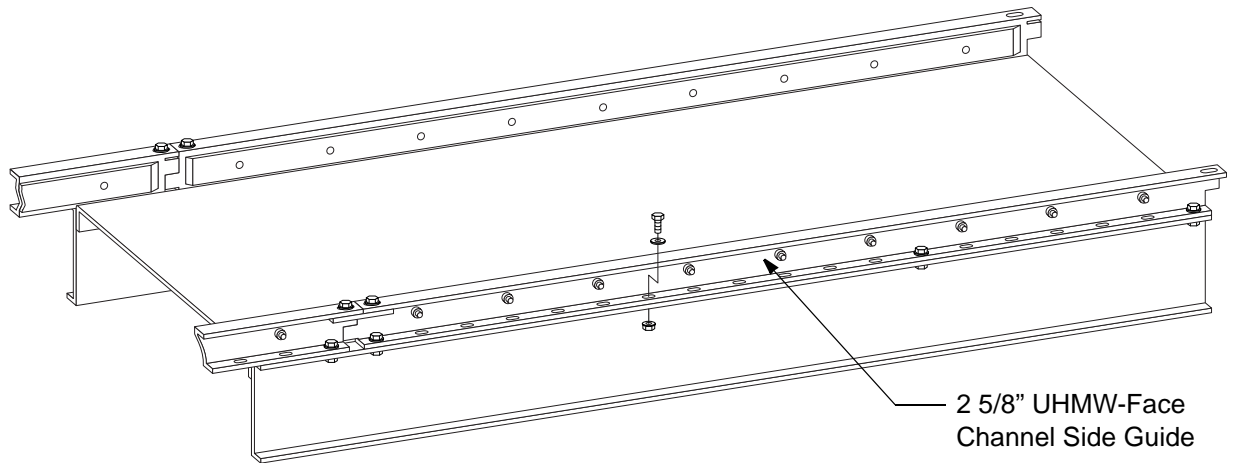


Figure B - 19 UHMW-Face Side Guide, 2 5/8" Channel

### Direct Mounting

The direct mounting kit (Style A, part number 633990) provides the hardware needed to mount one UHMW 12' side guide (see Figure B - 19). The side guide is bolted to the frame in four locations.

### Spaced Mounting

The spaced mounting kit (Style B, part number 633991) provides the hardware needed to mount one UHMW 12' side guide in a spaced mounting style (not shown; see Figure B - 12 for an example of spaced mounting). The side guide is bolted to the frame, with a spacer, in four locations.

### Offset Mounting

In offset mounting, the side guide is bolted to the bracket, and the bracket is bolted to the body. A hex nut is used for a spacer. When the guide is set in, the hex spacer is used where it attaches to the body; when the guide is set out, the hex spacer is used where the bracket attaches to the side guide.

All side guides are attached to the conveyor body at four places, and are coupled to the adjoining side guide at the underside of the top flange. All side guide Styles, are coupled to the adjoining side guide at the bottom of the guide, using a flat and the necessary bolts and washers.

The offset mounting kit (Style C, part number 633992) provides the hardware needed to mount one UHMW 12' side guide in a offset mounting style, either set in or set out (not shown; see Figure B - 13 for an example of offset mounting).

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## Junction Guides - (2 5/8", 7", 10")

Junction side guides facilitate the movement of product past the point where conveyors join. They may be 30° or 45°, plain-face or wheel-face.

Plain-face junction side guides are used when wheels are not needed for smooth movement of the product onto the "new" conveyor. Figure B - 20 shows a 30° plainface junction.

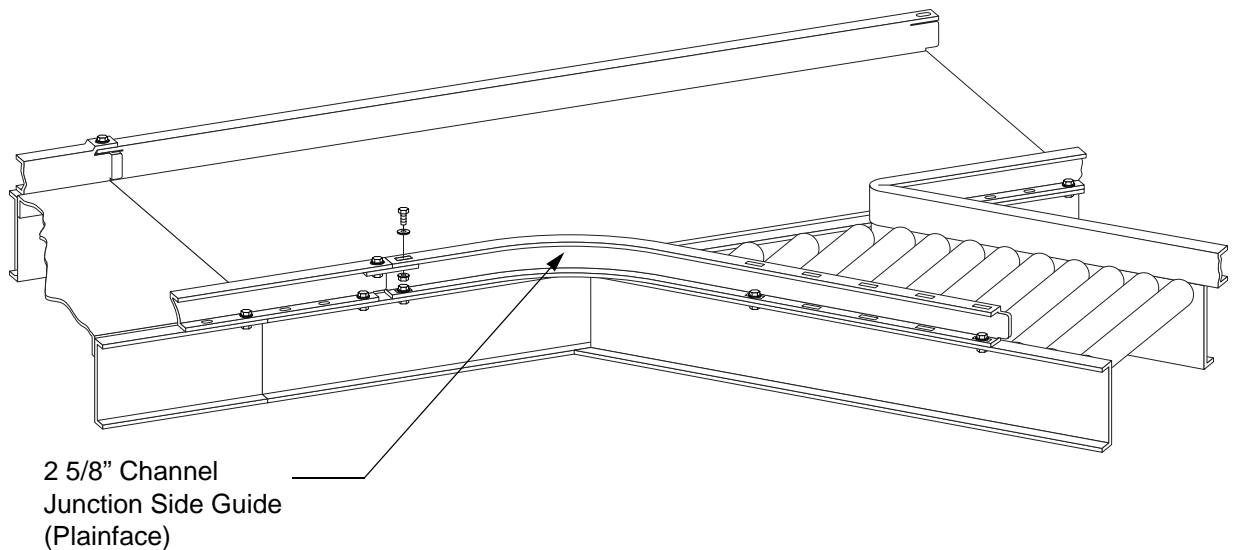


Figure B - 20 30° Junction, Plainface, 2 5/8" Channel Side Guide, Direct Mounting

Wheel face junction side guides are used when needed to help the product move smoothly past the curve onto the “new” conveyor. Figure B - 21 shows a 45° wheelface junction.

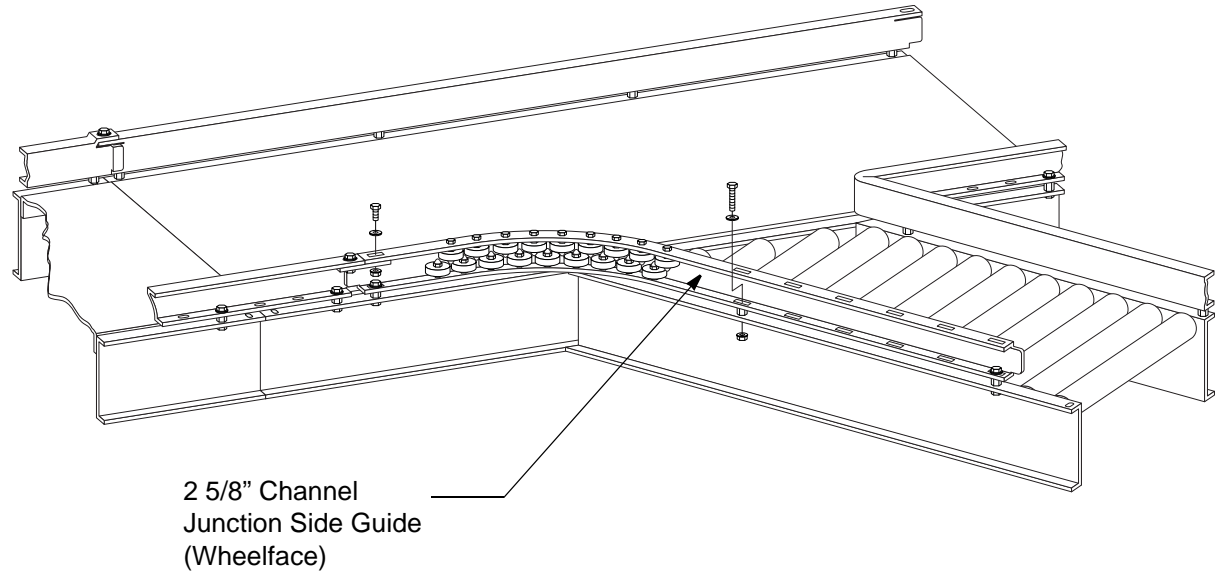


Figure B - 21 45° Junction, Wheelface, 2 5/8" Channel Side Guide, Spaced Mounting

## Mounting Junction Guides

Junction side guides are normally mounted using direct mounting or spaced mounting.

### Direct Mounting

The direct mounting kit (Style A, part number 633990) provides the hardware needed to mount one junction side guide (see Figure B - 20). The side guide is bolted to the frame in 3 locations.

### Spaced Mounting

Figure B - 21 shows a junction using spaced mounting.

The spaced mounting kit (Style B, part number 633991) provides the hardware needed to mount one junction side guide (see Figure B - 21). The side guide is bolted to the frame, with a spacer, in 3 locations.

## Height Transition Guides

Height transition side guides slope from a particular height at one end to another height at the other end. These guides may be mounted using direct, spaced, or offset mounting.

### Type HBC – 2 5/8” to 7”

Figure B - 22 shows HBC side guides mounted using direct mounting. Each height transition guide is coupled to a B height (2 5/8” high) guide at the lower end and a C height (7” high) guide at the higher end.

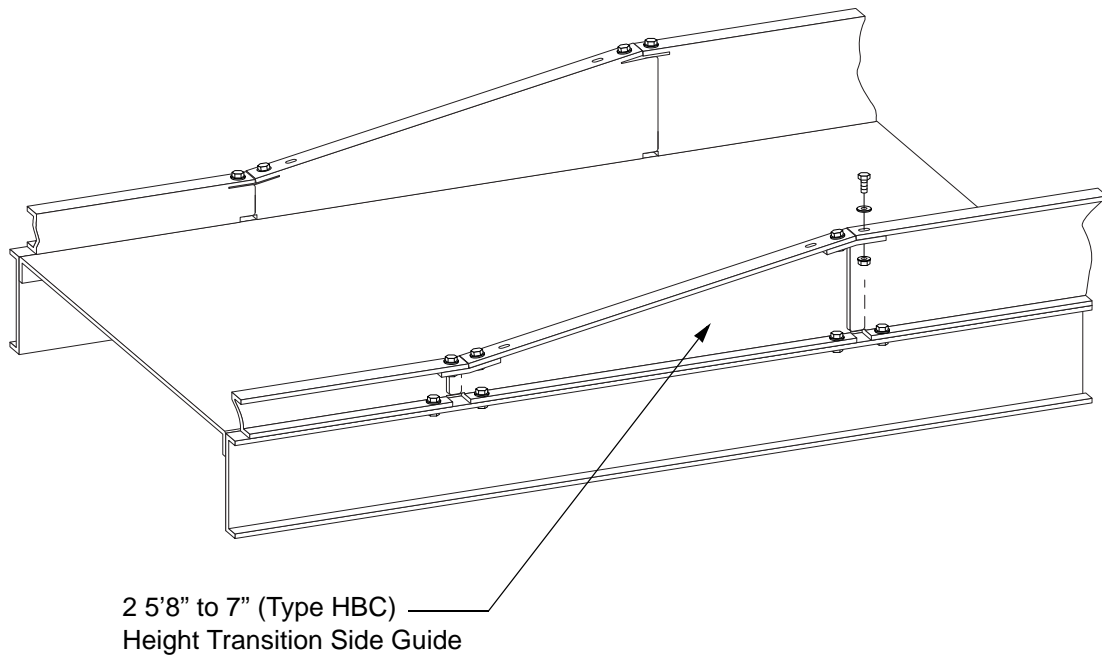


Figure B - 22 Height Transition Side Guide, 2 5/8” to 7” (Type HBC), with Direct Mounting

Figure B - 23 shows the guide in a side view; the flanges are bent at a 90° angle, away from view.

Height Transition Guide	Height	
	X	Y
HBC	2 5/8"	7"
HBD	2 5/8"	10"
HCD	7"	10"

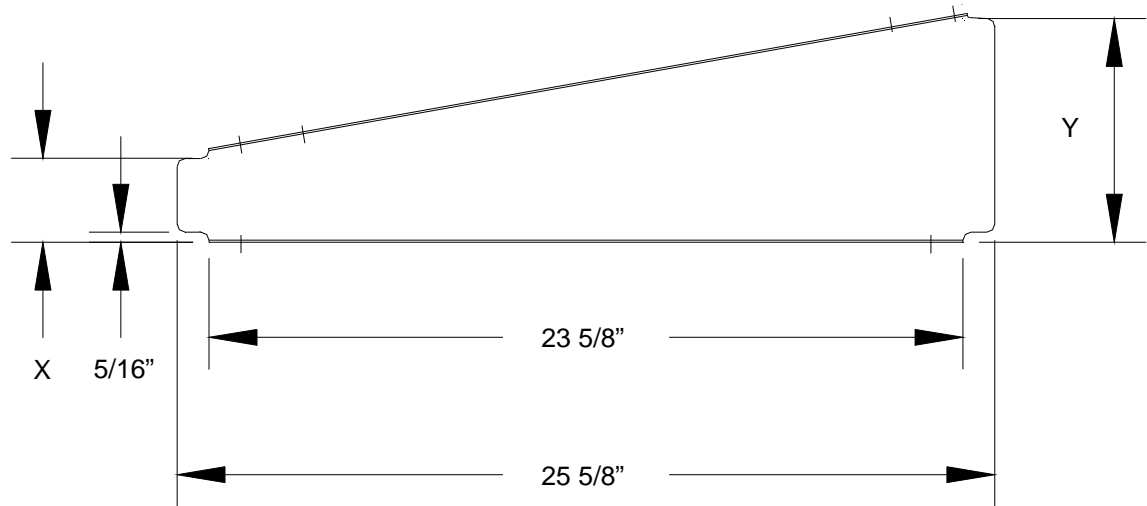


Figure B - 23 HBC Height Transition Side Guide

### Mounting HBC – Direct Mounting

The direct mounting kit (Style A, part number 633990) provides the hardware needed to mount one height transition side guide (see Figure B - 22). The side guide is bolted to the frame in two locations, at each end.

Mounting requirements are the same for all three kinds of height transition side guides: for HBC, HBD, and HCD. The differences are in the styles of mounting. (See also “Mounting HBD – Spaced Mounting” and “Mounting HCD – Offset Mounting” in this section.)

## Type HBD – 2 5/8” to 10”

Figure B - 24 shows HBD side guides mounted using spaced mounting. Each height transition guide is coupled to a B height (2 5/8” high) guide at the lower end and a D height (10” high) guide at the higher end.

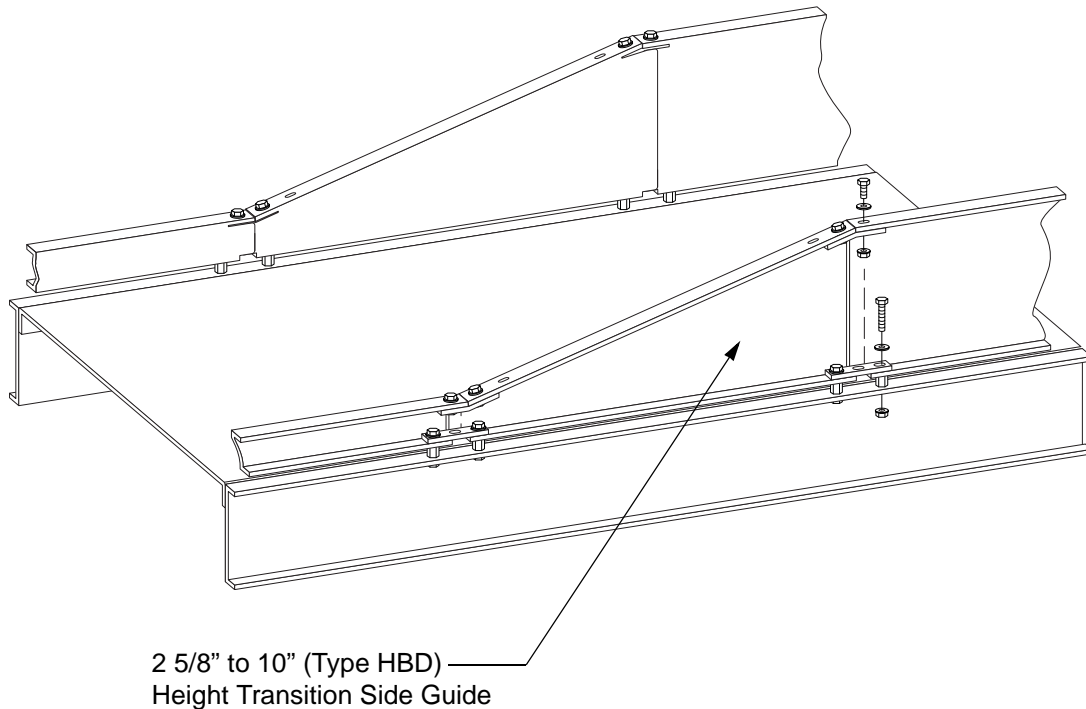


Figure B - 24 Height Transition Side Guide, 2 5/8” to 10” (Type HBD), using Spaced Mounting

## Mounting HBD – Spaced Mounting

The spaced mounting kit (Style B, part number 633991) provides the hardware needed to mount one height transition side guide (see Figure B - 24). The side guide is bolted to the frame, with a spacer, in two locations (each end).

Mounting requirements are the same for all three kinds of height transition side guides: for HBC, HBD, and HCD. The differences are in the styles of mounting. (See also “Mounting HBC – Direct Mounting” and “Mounting HCD – Offset Mounting” in this section.)

## Type HCD – 7” to 10”

Figure B - 25 shows HCD side guides mounted using offset mounting, set in. Each height transition guide is coupled to a C height (7” high) guide at the lower end and a D height (10” high) guide at the higher end.

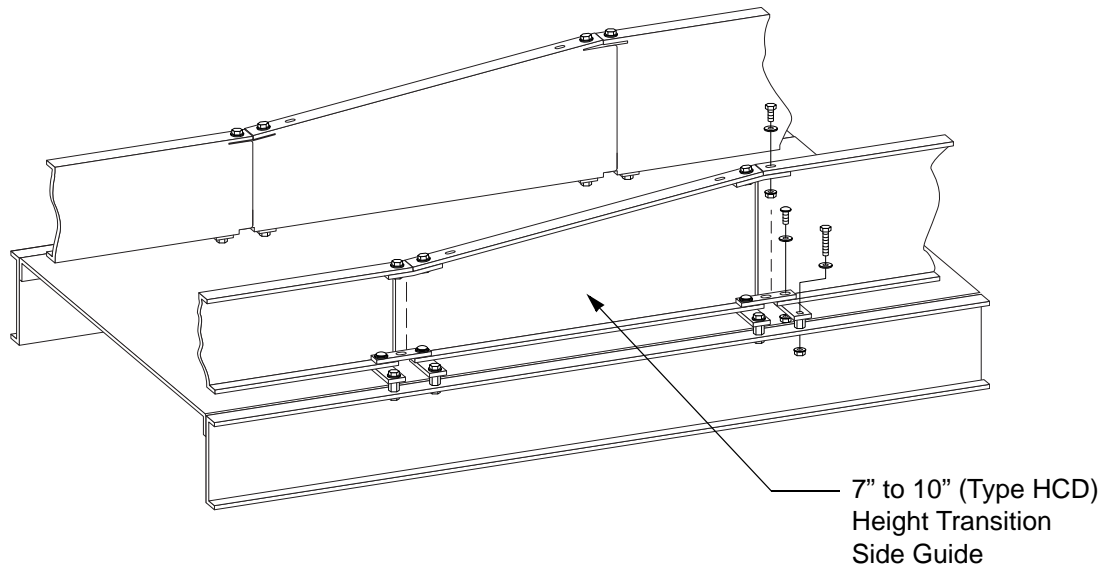


Figure B - 25 Height Transition Side Guide, 7” to 10” (Type HCD), Offset Mounting (Set In)

## Mounting HCD – Offset Mounting

All height transition side guides are attached to the conveyor body at two places (each end). At these locations, each transition guide is also coupled to the adjoining side guide at the bottom of the guide. In addition, the height transition guide is coupled to the adjoining guide at the underside of the top flange.

The offset mounting kit (Style C, part number 633992) provides the hardware needed to mount one height transition side guide, either set in or set out (see Figure B - 25).

Mounting requirements are the same for all three kinds of height transition side guides: for HBC, HBD, and HCD. The differences are in the styles of mounting. (See also “Mounting HBC – Direct Mounting” and “Mounting HBD – Spaced Mounting” in this section.)

## Adjustable Side Guides

### General

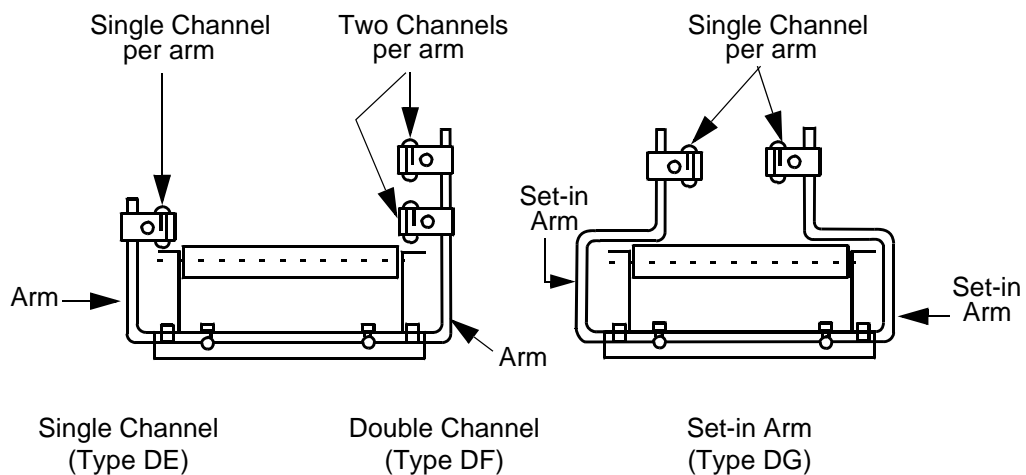
Adjustable side guides are sometimes used when:

- Products must be kept near the center of the conveyor
- Products must be visible when viewed from the side
- Product height or width changes periodically
- Products are slightly wider than the conveyor belt
- Products pass through straight sections but are too wide for curved sections

### Adjustable Side Guide Types

Adjustable side guide channels are 1 5/8" high. They are mounted on arms and can be adjusted. The three types of adjustable side guides are listed below. See Figure B - 26.

- Single channel (Type DE) – One 1 5/8" high channel set on an adjustable arm (*SGE in some abbreviations*)
- Double channel (Type DF) – Two 1 5/8" high channels set on an adjustable arm (*SGF in some abbreviations*)
- Set-in Arm (Type DG) – One 1 5/8" high channel set on an adjustable set-in arm (*SGG in some abbreviations*)



\* To more effectively show the set-in arms, the guides on both sides of the conveyor are shown as Type DG.

Figure B - 26 Adjustable Side Guides



## Side Guide Heights and Widths

Table B 2 and Figure B - 27 indicate mounting arm height requirements. The dimensions are determined by the height of the conveyor channels (H), which is greater at terminal ends than at intermediate sections.

Table B 2: Adjustable Side Guide Heights

	Dimension H	Single Channel Dimension A	Double Channel Dimension B	Offset Arm Dimension C
Intermediate Section	5"	20 1/4"	27 1/4"	7"
Terminal Ends	10"	22 3/4"	29 3/4"	11 1/2"

Table B 3 and Figure B - 27 identify the range of *possible widths between adjustable side guides*. The arms may be placed to fit closer to the conveyor body or further away. For example, when using a single channel the width between the side guides ( $W_{SG}$ ) may range from 1" (M) *less than* the conveyor body width (W) to 8" (M) *more than* the conveyor body width (W). Note that when using offset arm guides (Type DG),  $W_{SG}$  is always *less than* W; it is never greater.

Table B 3: Adjustable Side Guide Widths

	Dimension H	Single Channel Dimension A	Double Channel Dimension B	Offset Arm Dimension C
Dimension M	Maximum	(+) 8"	(+) 8"	(-) 1 1/2"
	Minimum	(-) 1"	(-) 1"	(-) 9 1/2"

Width Between Side Guides ( $W_{SG}$ ) = W (Conveyor Body Width) Plus or Minus M

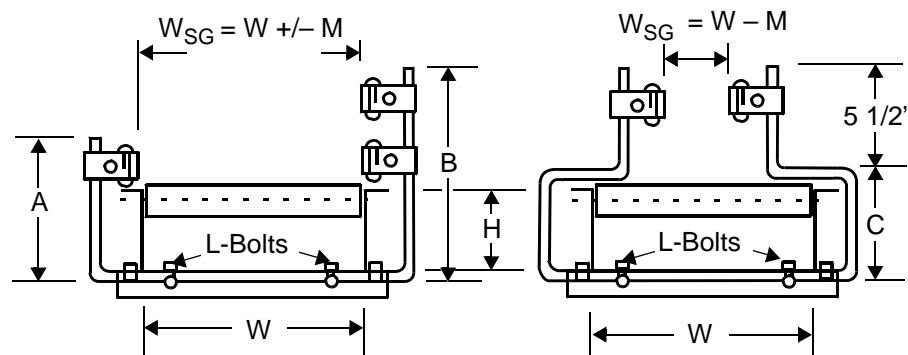


Figure B - 27 Adjustable Side Guide Dimensions

### Length

Adjustable side guides come in 20' lengths.

### Mounting Angle

1 1/2" formed angle attached to bottom of the conveyor frame; see Figure B - 28.

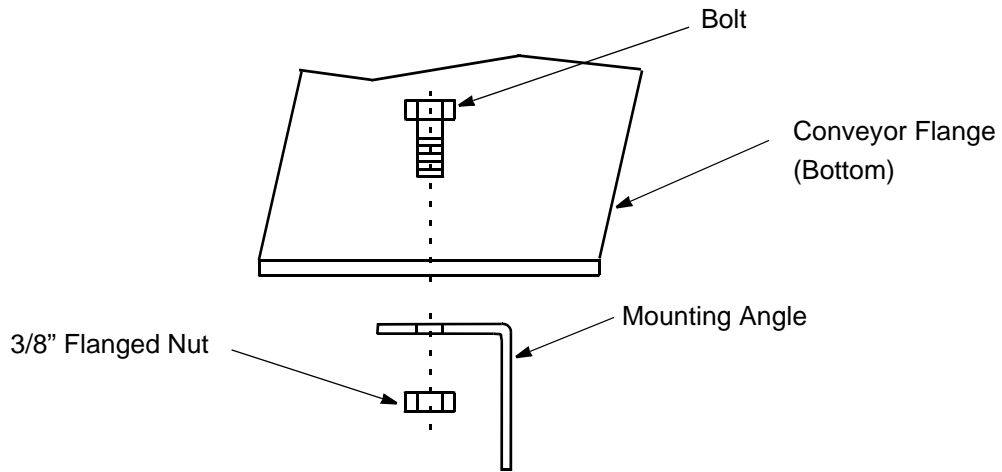


Figure B - 28 Attach Mounting Angle to Bottom Flanges

### Mounting Angle Hardware

- 3/8" x 1" domed head bolt
- 3/8" flanged hex nut

### Adjoining Side Guide Hardware

- 3/8" x 3" hex head bolt (see Figure B - 29)
- 3/8" hex nut

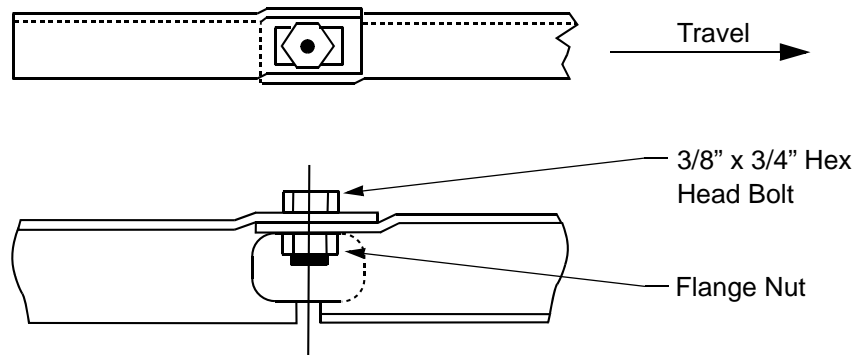


Figure B - 29 Adjoining Side Guide Hardware

### Support Rod

5/8" formed cold rolled steel (Support Rod Assembly; see Figure B - 30)

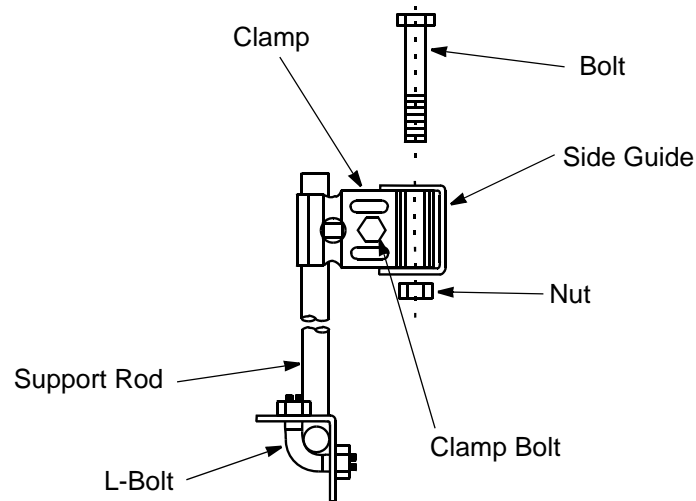


Figure B - 30 Support Rod Assembly

### L-Bolt & Nut

- 3/8" bolt (formed to a 90° angle)
- 3/8" nut (course threads)

### Support Rod Clamp

- 1 3/8" high formed clamp

### Clamp Bolt & Nut

- 3/16" hex head bolt
- 3/16" nut

### Side Guide Channel (Straight)

- 1 5/8" deep formed channel

### 90°, 60°, 45°, and 30° Curve Side Guide Channel

- 1 5/8" deep formed channel

### Side Guide Bolt & Nut

- 1/4" x 2" hex head bolt
- 1/4" hex head nut

## Single Channel

Use adjustable side guides with single channels on conveyors carrying products of similar height.

Choose side guides that allow the channels to be placed at a height where they can stabilize the tallest products yet not allow the shortest products to pass underneath.

Both the height and the width of adjustable side guides can be varied. Clamps attach the channels to vertical support rods. The clamps can be loosened to allow movement of channels up and down along the rods. “L” bolts secure the vertical support rods to a crossmember underneath the conveyor. The “L” bolts can be loosened to allow horizontal movement of the support rods toward or away from the conveyor.

Figure B - 31 shows single channel adjustable side guides. A portion of the conveyor is removed to reveal one of the angle crossmembers bolted to the underside of the conveyor.

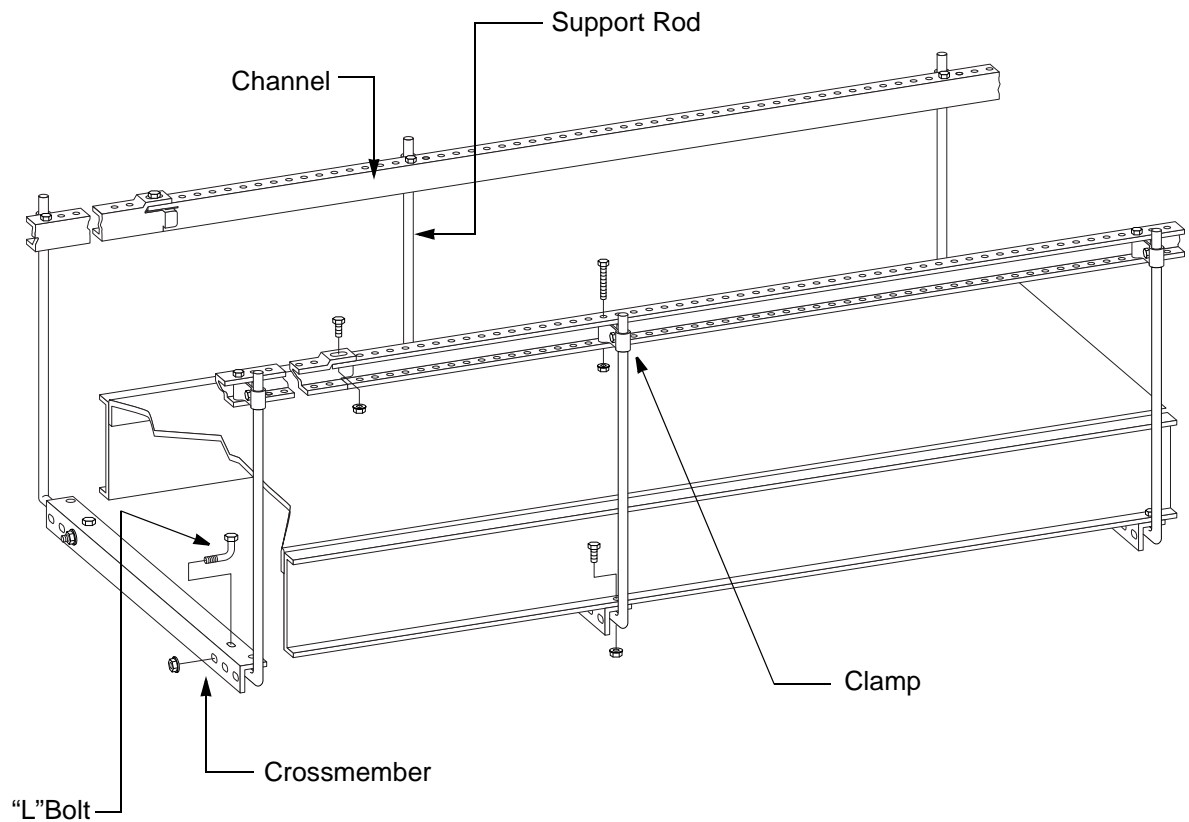


Figure B - 31 Single Channel Adjustable Side Guide

## Double Channel

Use adjustable side guides with double channels on conveyors carrying products of varying height.

Choose side guides that allow the upper channels to stabilize the tallest products and the lower channels to prevent the shortest products from passing underneath.

Both the height and the width of adjustable side guides can be varied. Clamps attach the channels to vertical support rods. The clamps can be loosened to allow movement of channels up and down along the rods. “L” bolts secure the vertical support rods to a crossmember underneath the conveyor. The “L” bolts can be loosened to allow horizontal movement of the support rods toward or away from the conveyor.

Figure B - 32 shows double channel adjustable side guides. A portion of the conveyor is removed to reveal one of the angle crossmembers bolted to the underside of the conveyor.

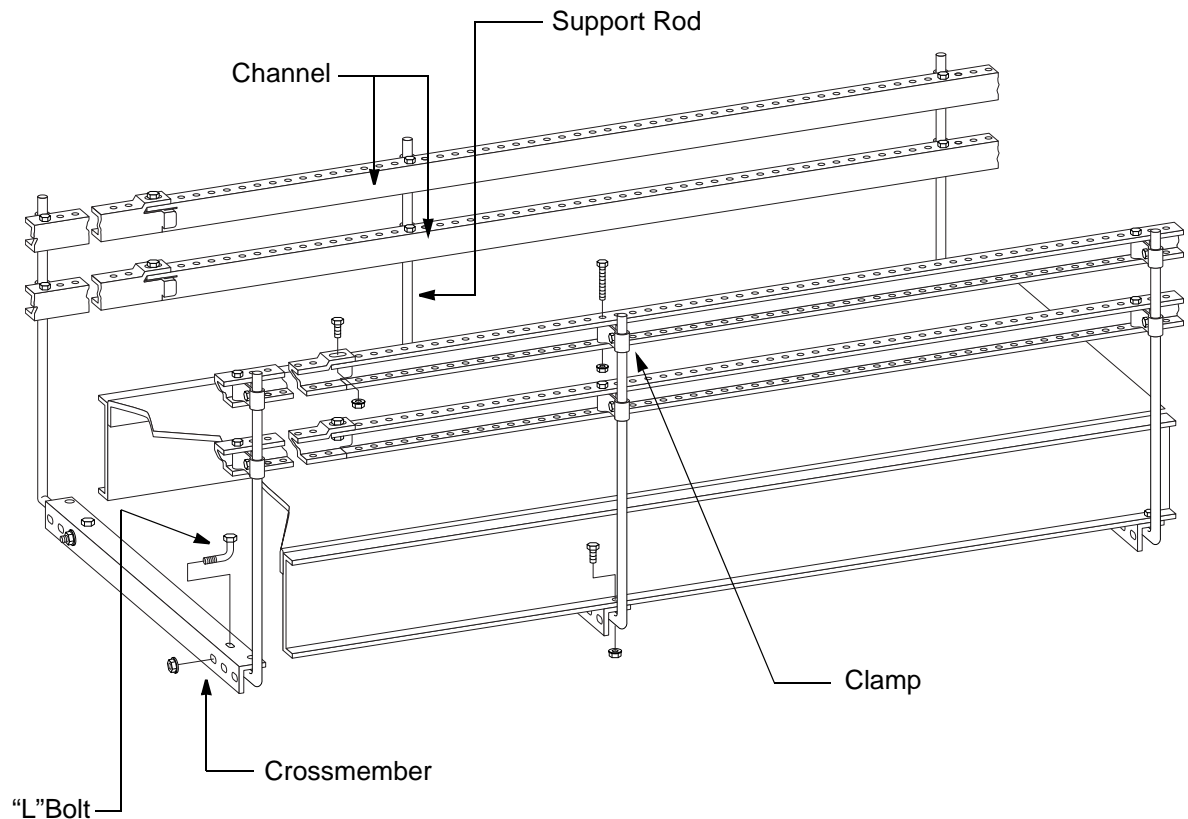


Figure B - 32 Double Channel Adjustable Side Guide

## Set-in Arm

Use adjustable side guides with set-in arms on conveyors carrying products that must be kept closer to the center of the conveyor.

Choose side guides that allow the channels to be placed at a height where they can stabilize the tallest products yet not allow the shortest products to pass underneath.

Both the height and the width of adjustable side guides can be varied. Clamps attach the channels to vertical support rods. The clamps can be loosened to allow movement of channels up and down along the rods. “L” bolts secure the vertical support rods to a crossmember underneath the conveyor. The “L” bolts can be loosened to allow horizontal movement of the support rods toward or away from the conveyor.

Figure B - 33 shows set-in arm adjustable side guides. A portion of the conveyor is removed to reveal one of the angle crossmembers bolted to the underside of the conveyor.

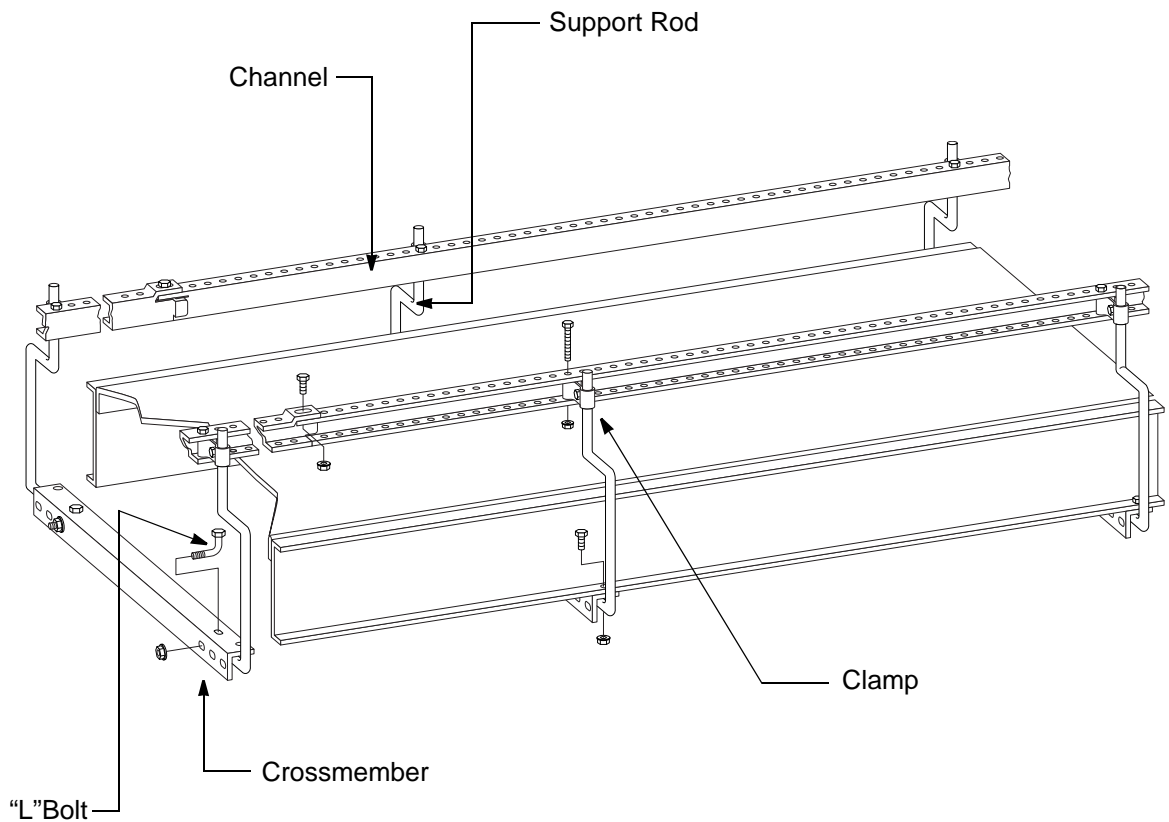


Figure B - 33 Set-in Arm Adjustable Side Guide

## Curves

The height and the width of adjustable side guides can be varied. Clamps attach the channels to vertical support rods. The clamps can be loosened to allow movement of channels up and down along the rods. “L” bolts secure the vertical support rods to a crossmember underneath the conveyor. The “L” bolts can be loosened to allow horizontal movement of the support rods toward or away from the conveyor.

Figure B - 34 shows adjustable side guides. A portion of the conveyor is removed to reveal one of the angle crossmembers bolted to the underside of the conveyor.

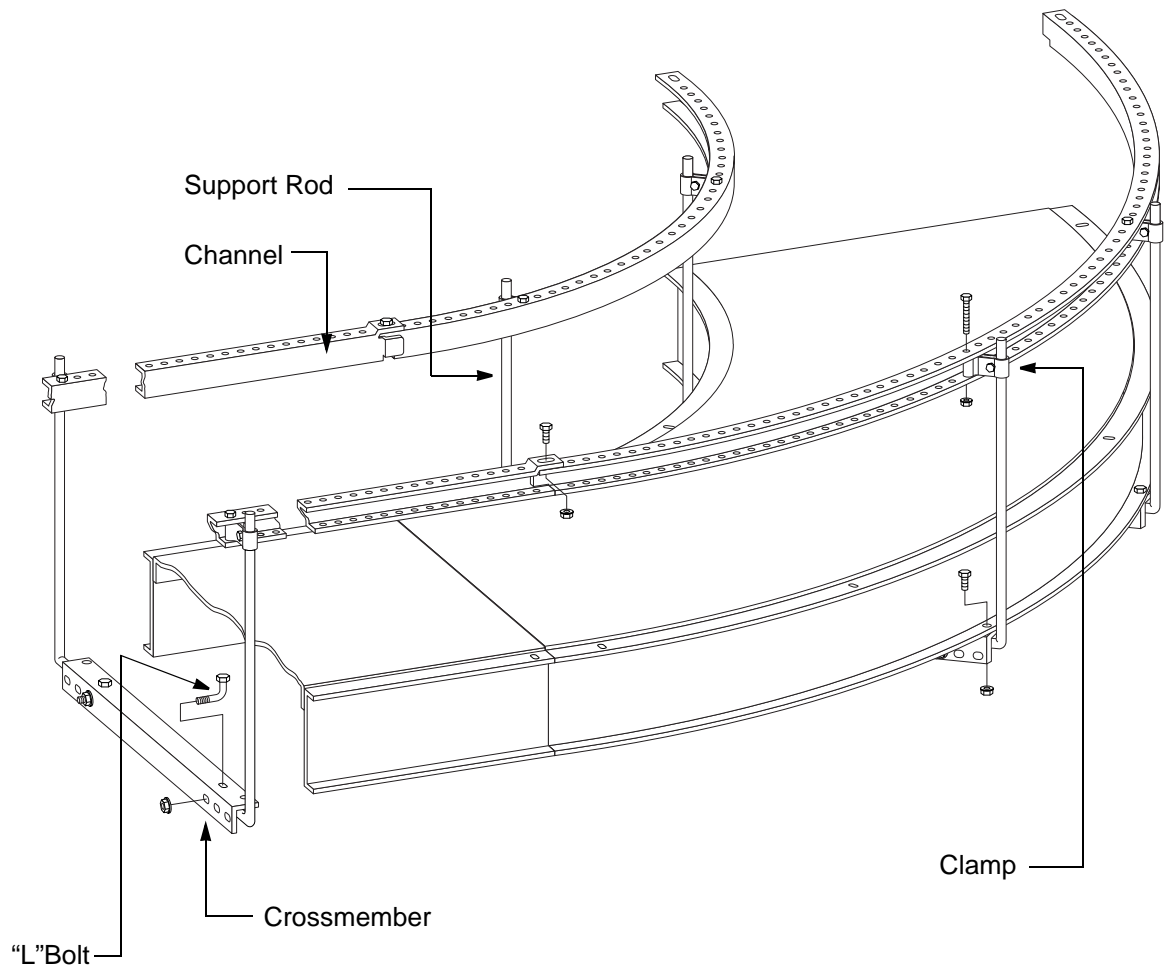


Figure B - 34 Curved Adjustable Side Guides

## Mounting Straight Adjustable Side Guides

Straight sections of adjustable side guides are 20' long. They have a tab at each end so sections can be joined. Side guide sections must be field adjusted at power feeders, at upper bends, and near curves.

Place supports at 5' to 6' intervals (see Figure B - 35) along straight conveyor runs. It is not necessary to place supports in exactly the same position along each 20' section; just be sure to place them at intervals no greater than 5' to 6' along the entire conveyor run. Final supports are placed at the end of a conveyor regardless of the distance between the final supports and the previous supports.

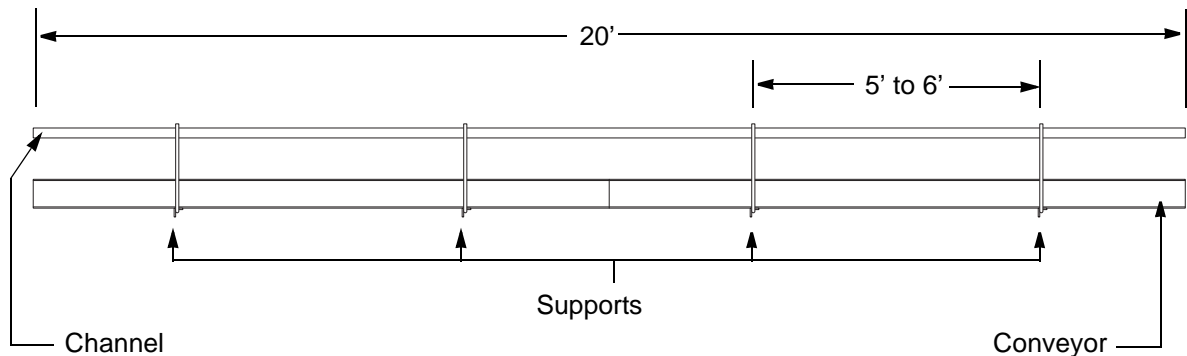


Figure B - 35 Support Spacing

## Junctions

Field cutting and fitting of straight and curved side guides is required.

## Adjustable Side Guides for Power Feeders

While most side guides on power feeders are fixed, occasionally adjustable guides are needed. If adjustable side guides are used, the standard 20' rails must be cut to fit before installation.



**SECTION C: STANDARD SPECIFICATIONS**

Side guides are classified according to how they are mounted, as follows:

- Fixed side guides
- Adjustable side guides

**Fixed Side Guides**

Four types of fixed side guides are available, as follows (see Figure C - 1):

- 1 3/4" Angle Guide (Type A) - 1 3/4" high angle
- 2 5/8" Channel Guide (Type B) - 2 5/8" high channel
- 7" Channel Guide (Type C) - 7" high channel
- 10" Channel Guide (Type D) - 10" high channel

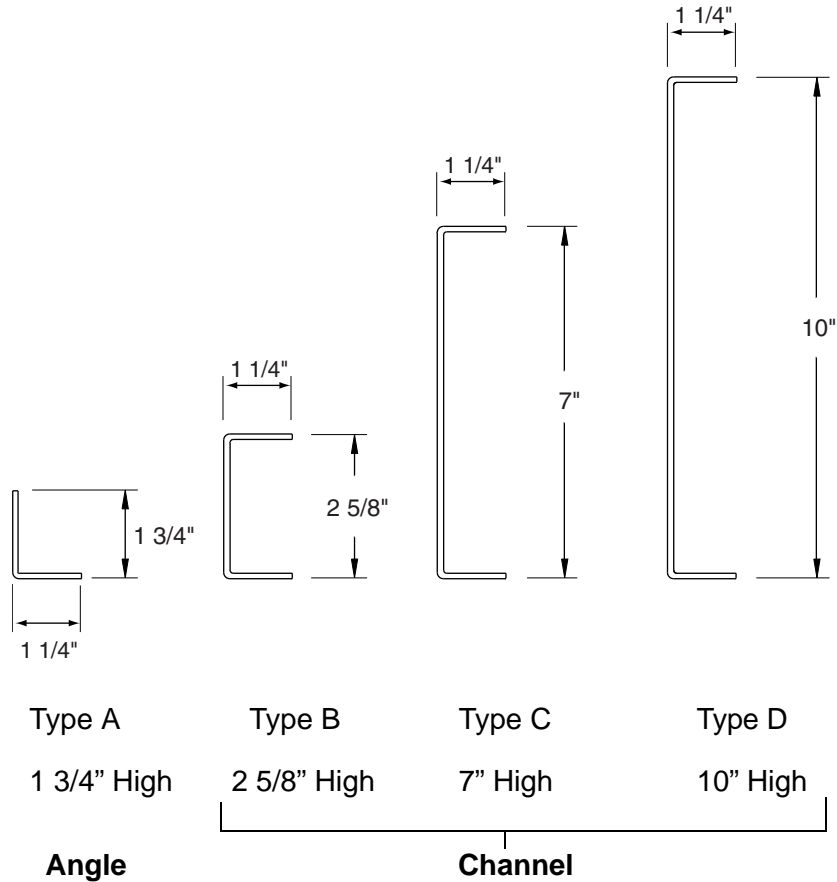


Figure C - 1 Types of Side Guides

## Mounting Kits

Three side-guide mounting kits are available, as follows (see Table C 1:):

- Style A – For direct mounting,
- Style B – For spaced mounting, and
- Style C – For offset mounting

Note: With certain side guides, the mounting kit is included. With others, the mounting kit must be ordered separately. Section J shows which side guides include mounting kits and which do not.

Table C 1: Side Guide Mounting Kits

Item	Mounting Kits & Part Numbers		
	Direct Mounting (Style A)	Spaced Mounting (Style B)	Offset Mounting (Style C)
	633990	633991	633992
Hex head bolt, 3/8-16 x 3/4	5	3	3
Flanged hex nut, 3/8-16	5	7	11
Flat washer, zinc plated, 3/8 USS	5	7	11
Hex head bolt, 3/8-16 x 1 1/2		4	4
Hex nut, 1/2-20 NF 11/16		4	4
Mounting Flat, 1 x 1/8 x 4 SCC		1	1
Carriage bolt, special, 3/8 x 11/16			4
Side guide bracket			4

**Straight Angle Guides - (1 3/4")**

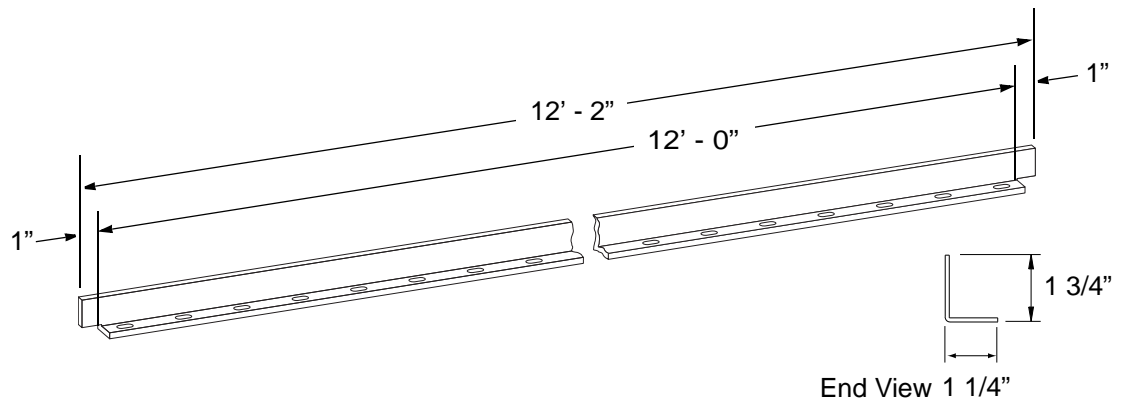


Figure C - 2 1 3/4" Angle Side Guide

**Specifications**

- Height – 1 3/4"
- Flange Width – 1 1/4"
- Actual length (including overlaps) – 12' - 2"
- Nominal length – 12' - 0"
- Overlap – 1" at each end
- Material – 12 Ga. formed steel
- Finish – Grey powder coat

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## Curved Angle Guides - (1 3/4")

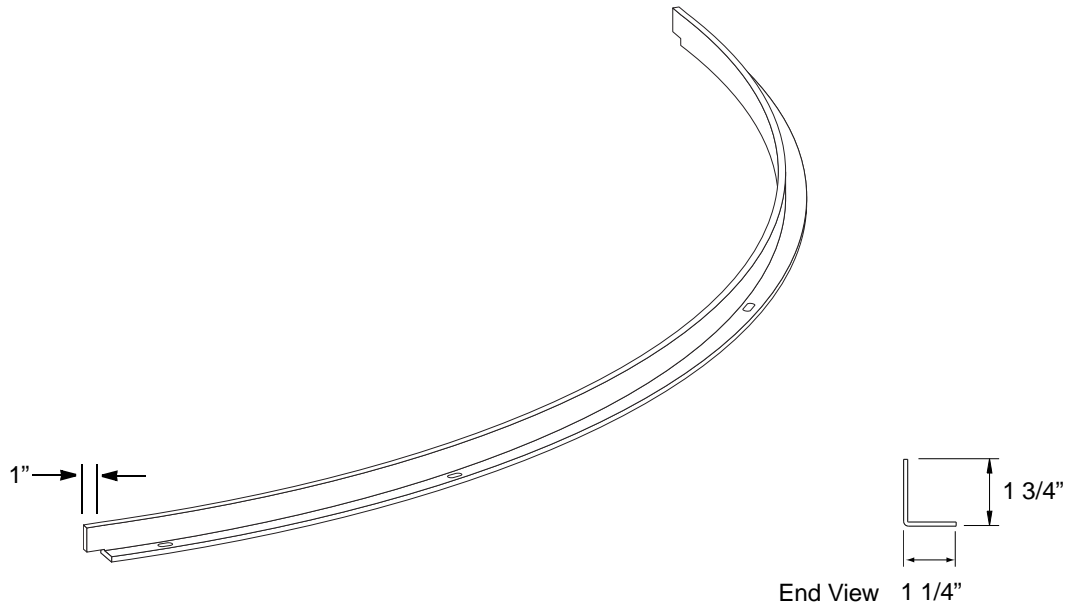
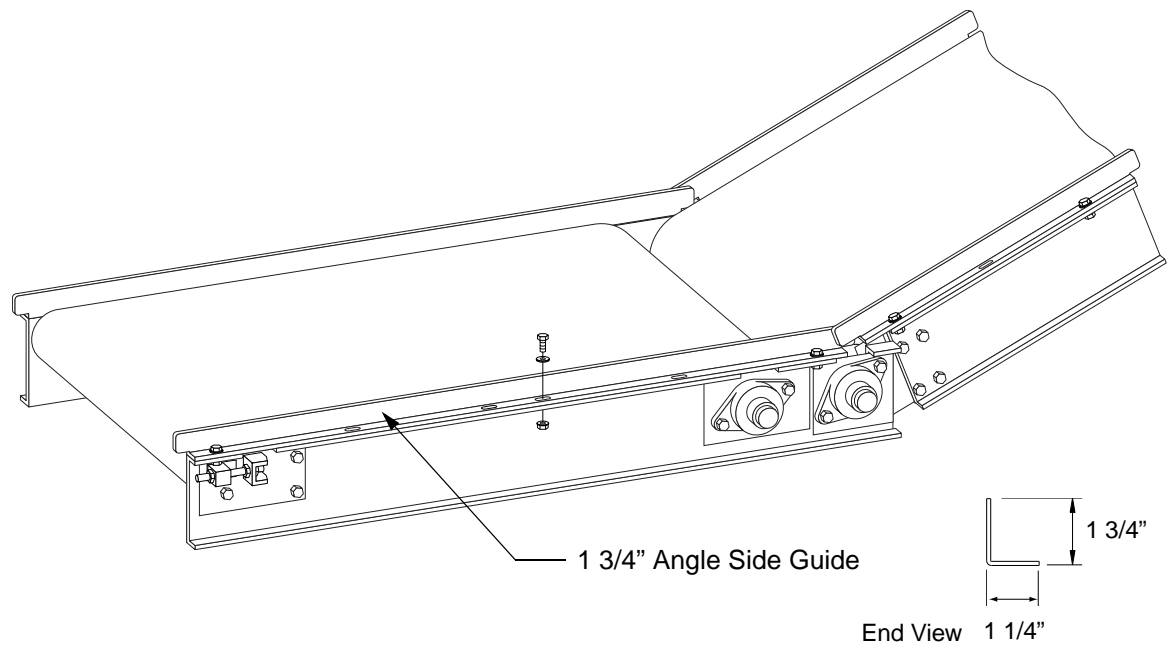


Figure C - 3 1 3/4" Angle Side Guide, 90° Curve

### Specifications

- Curve – 90°, 60°, 45°, or 30°
- Height – 1 3/4"
- Flange Width – 1 1/4"
- Overlap – 1" at each end
- Material – 12 Ga. formed steel
- Finish – Grey powder coat

**Power Feeder Angle Guides - (1 3/4")**



**Figure C - 4 Power Feeder, Inclined, with 1 3/4" Angle Side Guides; Direct Mounting Specifications**

- Height – 1 3/4"
- Flange Width – 1 1/4"
- Nominal Length – approximately 3', 4', or 7' long horizontal conveyor, with a power feeder connection to a 2' long end drive section
- Actual Length – Add 2" to working length of each rail
- Overlap – 1" at each end
- Material – 12 Ga. formed steel
- Finish – Grey powder coat

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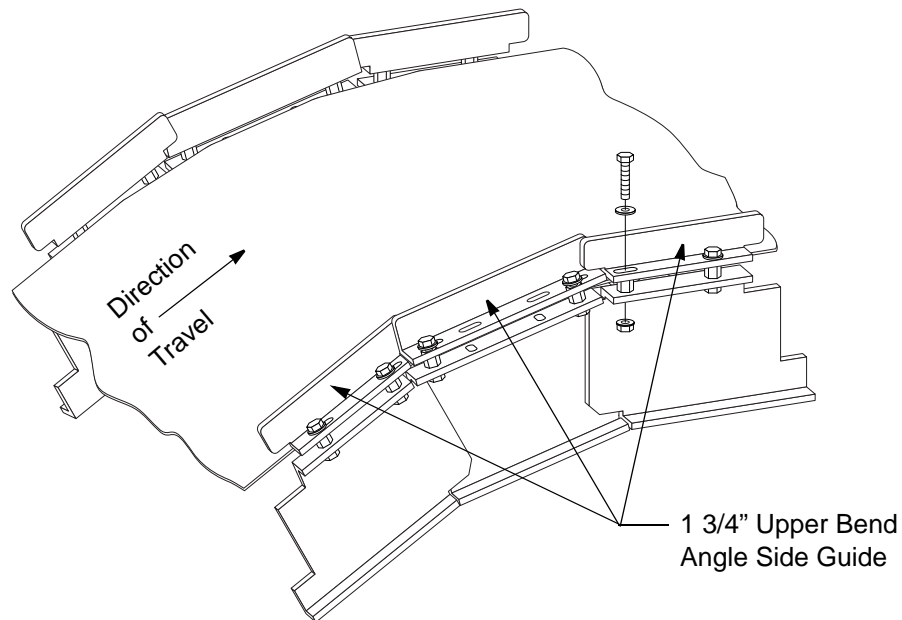
**Upper Bend Angle Guides - (1 3/4")**

Figure C - 5 Upper Bend Unit with 1 3/4" Angle Side Guides, Spaced Mounting

**Specifications**

- Height – 1 3/4"
- Flange Width – 1 1/4"
- Actual length – 8 1/4" end rails; 11" center rail
- Nominal length – 5 3/4" end rails; 11" center rail
- Overlap – 1" at each end
- Material – 12 Ga. formed steel
- Finish – Grey powder coat

**Straight Channel Guides - (2 5/8", 7", 10")**

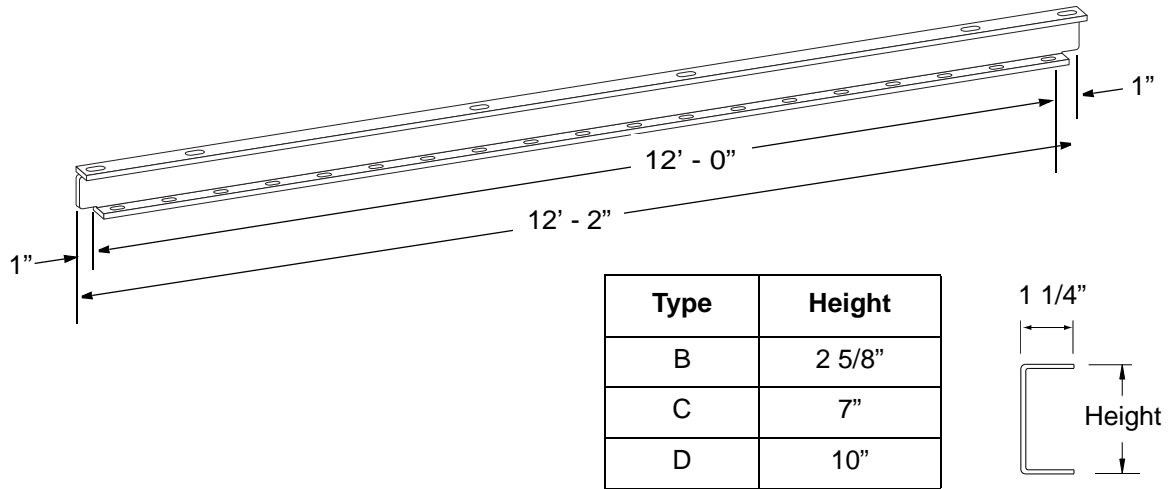


Figure C - 6 Channel Side Guide; 2 5/8" Channel

**Specifications**

- Height – Type B: 2 5/8" Type C: 7" Type D: 10"
- Flange Width – 1 1/4"
- Actual length (including overlaps) – 12' - 2"
- Nominal Length – 12' - 0"
- Overlap – 1" at each end
- Material – 14 Ga. formed steel
- Finish – Grey powder coat
- Face – Plain-faced or wheel-faced

**Curved Channel Guides - (2 5/8", 7", 10")**

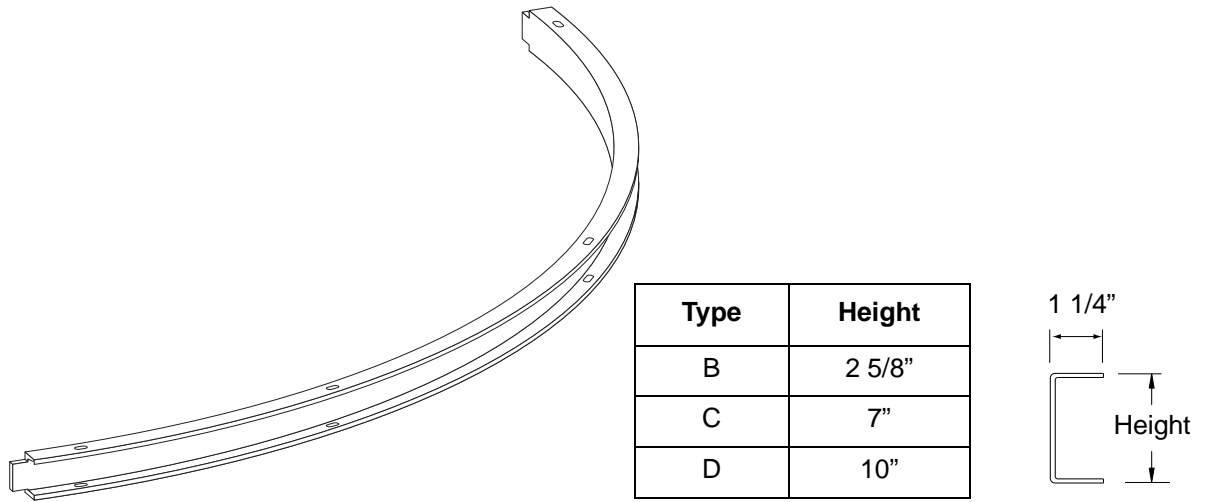


Figure C - 7 – 90° Curve Side Guide

**Specifications**

- Height – Type B: 2 5/8" Type C: 7" Type D: 10"
- Flange Width – 1 1/4"
- Lengths Depend on the Particular Rail
- Overlap – 1" at each end
- Material – 12 Ga. formed steel
- Finish – Grey powder coat
- Angle – 90°, 60°, 45°, or 30°



**Power Feeder Channel Guides - (2 5/8", 7", 10")**

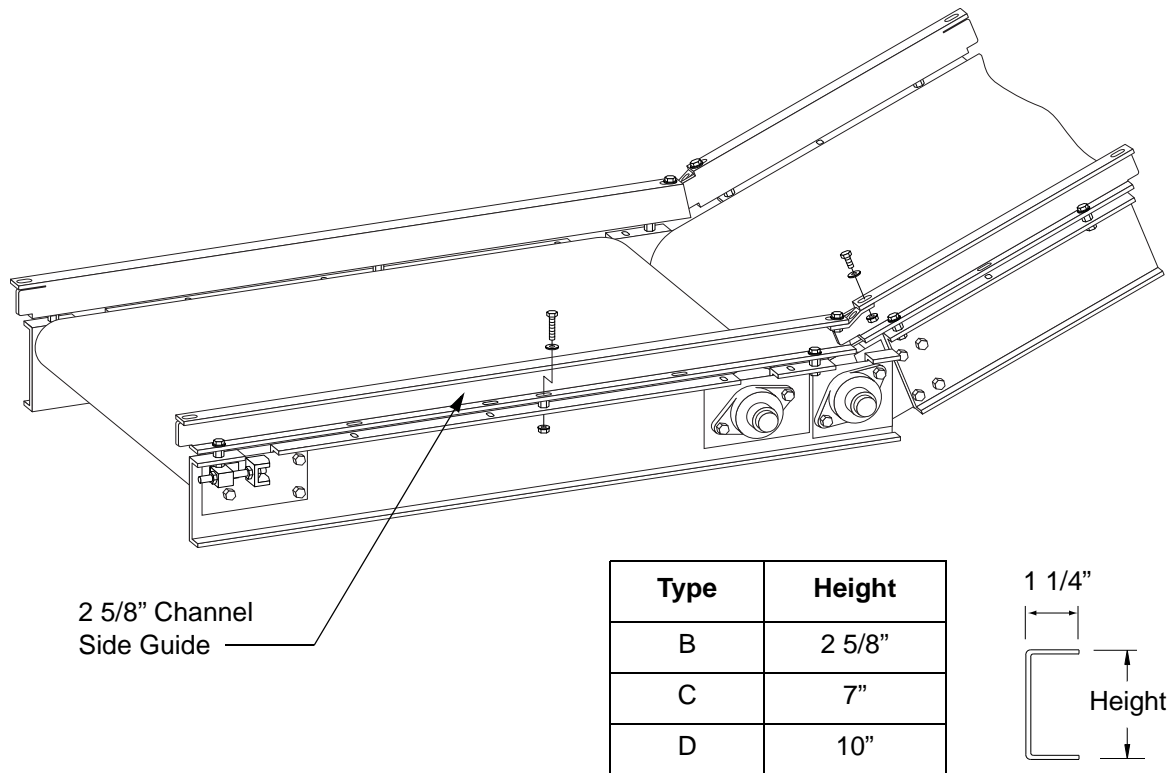


Figure C - 8 Power Feeder, Inclined, with 2 5/8" Channel Side Guides; Spaced Mounting

**Specifications**

- Height – Type B: 2 5/8" Type C: 7" Type D: 10"
- Flange Width – 1 1/4"
- Nominal Length – approximately 3', 4', or 7' long horizontal conveyor, with a power transition connection to a 2' long end drive section
- Actual Length – Add 2" to working length of each rail
- Overlap – 1" at each end
- Material – 12 Ga. formed steel
- Finish – Grey powder coat

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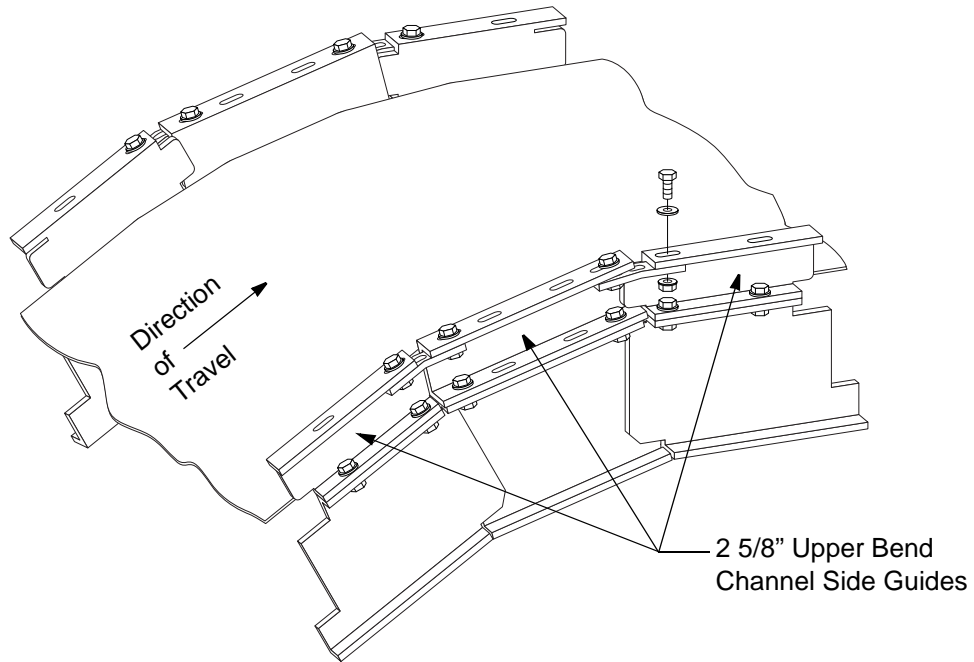
**Upper Bend Channel Guides - (2 5/8", 7", 10")**

Figure C - 9 Upper Bend Unit with Channel Side Guides, Direct Mounting

### Specifications

- Height – Type B: 2 5/8" Type C: 7" Type D: 10"
- Flange Width – 1 1/4"
- Actual length – 8 1/4" end rails; 11" center rail
- Nominal length – 5 3/4" end rails; 11" center rail
- Overlap – 1" at each end
- Material – 12 Ga. formed steel
- Finish – Grey powder coat

**Wheel-Face Channel Guides - (2 5/8", 7", 10")**

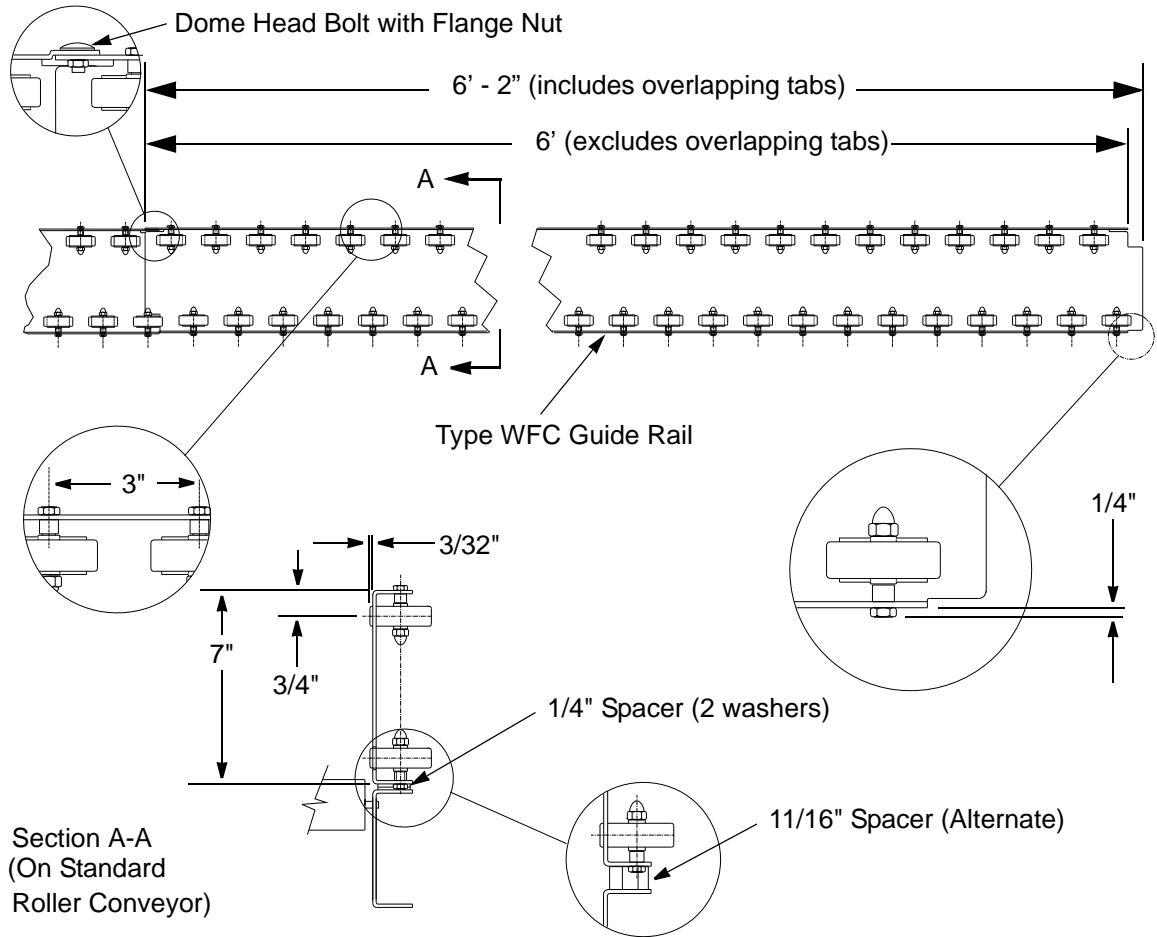


Figure C - 10 7" Wheel-Faced Side Guide

**Specifications for Wheel-Face Channel Guides**

- Height – WFB: 2 5/8" WFC: 7" WFD: 10"
- Flange width – 1 1/4"
- Actual length (including overlaps) – 6' - 2", standard length
- Nominal length – 6' - 0"
- Overlap – 1" at each end
- Material – 12 Ga. formed steel
- Finish – Grey powder coat
- Skate Wheel Positions – Wheels set 3" between centers. Skate wheels set 3/32" out from the side rail face (product side). Center line of wheels is 3/4" from flanges.
- Spacers – Two heights, 1/4" minimum and 11/16", required for mounting. Spacers allow offset for skate wheel bolt heads between side guide and conveyor.
- Skate Wheel – 1.938" x 1/4" B SKTWHL YLW ZNC RC
- Skate Wheel Slots – 3/4" x 1 1/2" long

## UHMW-Face Guides - (2 5/8", 7", 10")

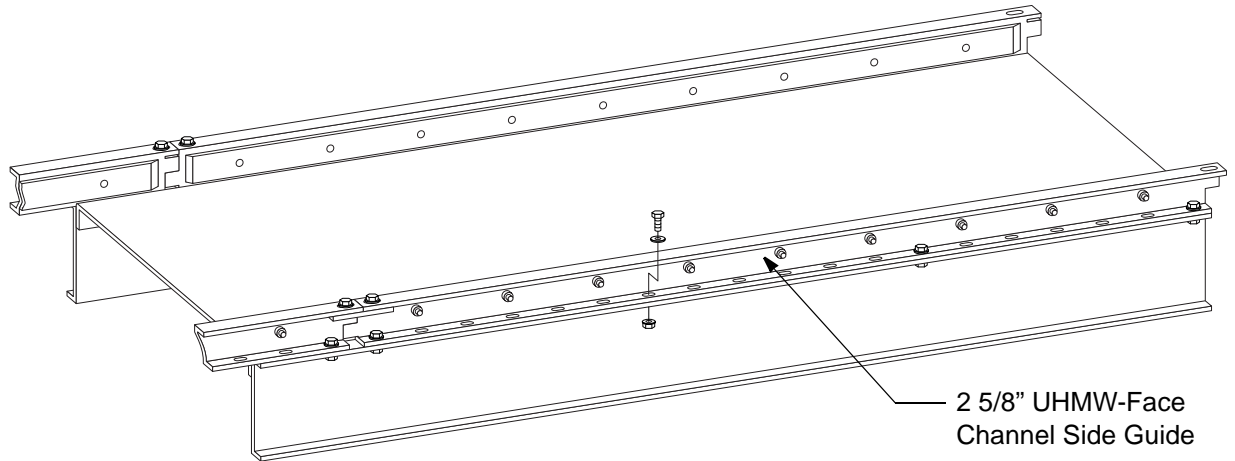


Figure C - 11 – UHMW-Face Side Guide, 2 5/8" Channel

### Specifications

- Height – Type B: 2 5/8" Type C: 7" Type D: 10"
- Flange width – 1 1/4"
- Actual length (including overlaps) – 12' - 2"
- Nominal length – 12' - 0"
- Overlap – 1" at each end
- Material – 12 ga. formed steel
- Finish – Grey powder coat
- Height of UHMW – Type B: 2" Type C: 5" Type D: 5"
- Other UHMW dimensions – 1/4" thick, 11' - 10" long
- UHMW mounted on guide, secured with flat head bolts and elastic nuts –
  - 2 5/8" Channel: Mounted in center of guide
  - Type C: Mounted in center of guide
  - Type D: Mounted low on guide

**Junction Guides - (2 5/8", 7", 10")**

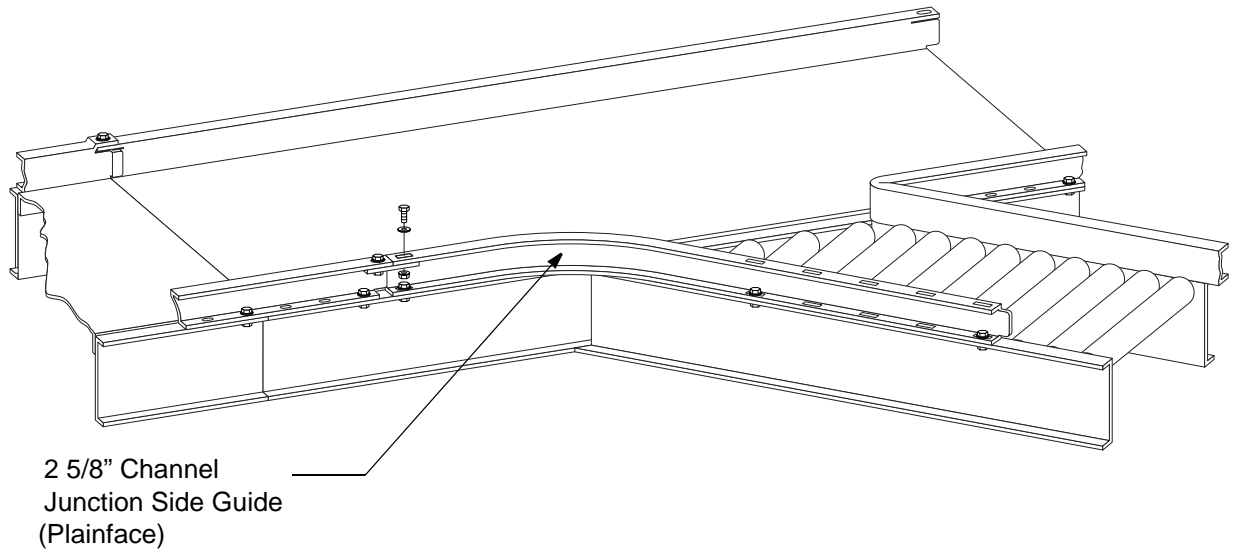


Figure C - 12 30° Junction, Plainface, 2 5/8" Channel Side Guide, Direct Mounting

**Specifications for Junction Guides**

- Height – Type B: 2 5/8" Type C: 7" Type D: 10"
- Flange Width – 1 1/4"
- Lengths Depend on the Particular Rail
- Overlap – 1" at each end
- Material – 12 Ga. formed steel
- Finish – Grey powder coat
- Angle – 30° or 45°
- Face – Plain-face or wheel-face

## Height Transition Guides

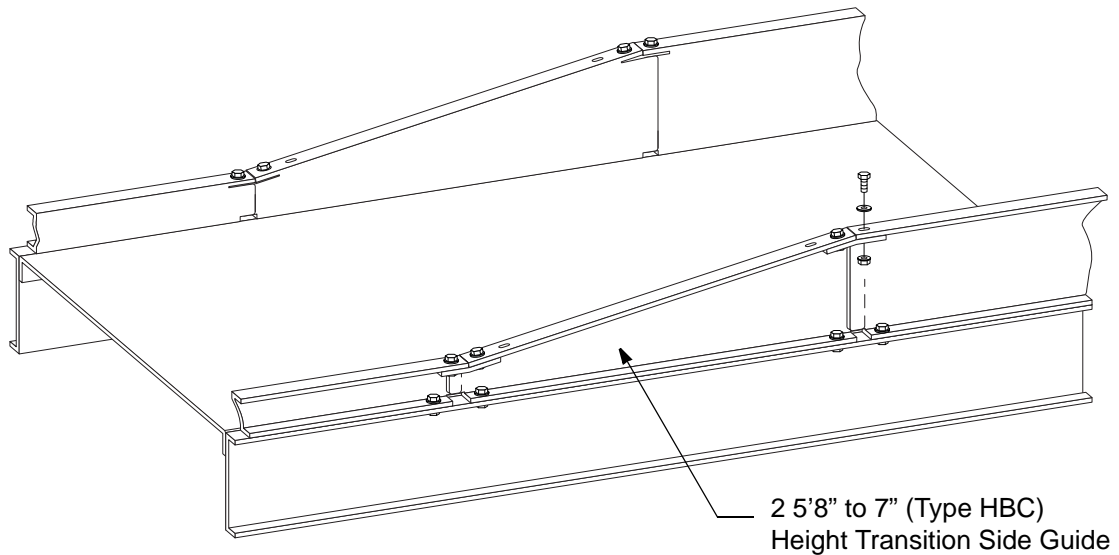


Figure C - 13 Height Transition Side Guide, 2 5/8" to 7" (Type HBC), with Direct Mounting

### Specifications for HBC Guide

- Height – Height goes from 2 5/8" high (Type B height) at one end to 7" high (Type C height) at the other end.
- Flange Width – 1 1/4" from side-guide face to end of flange
- Length – Tapered 2' long (approximately)
- Slots – 13/32" x 1" long slots at 2" centers.
- Ends notched to provide overlapping splice connection.
- Material – 14 Ga. formed steel
- Finish – Grey powder coat

### Specifications for HBD Guide

- Height – Height goes from 2 5/8" high (Type B height) at one end to 10" high (Type D height) at the other end.
- Flange Width – 1 1/4"
- Length – Tapered 2' long (approximately)
- Slots – 13/32" x 1" long slots at 2" centers
- Ends notched to provide overlapping splice connection.
- Material – 14 Ga. formed steel
- Finish – Grey powder coat

**Specifications for HCD Guide**

- Height – Height goes from 7” high (Type C height) at one end to 10” high (Type D height) at the other end.
- Flange Width – 1 1/4”
- Length – Tapered 2’ long (approximately)
- Slots – 13/32” x 1” long slots at 2” centers
- Ends notched to provide overlapping splice connection.
- Material – 14 Ga. formed steel
- Finish – Grey powder coat

Height Transition Guide	Height	
	X	Y
HBC	2 5/8”	7”
HBD	2 5/8”	10”
HCD	7”	10”

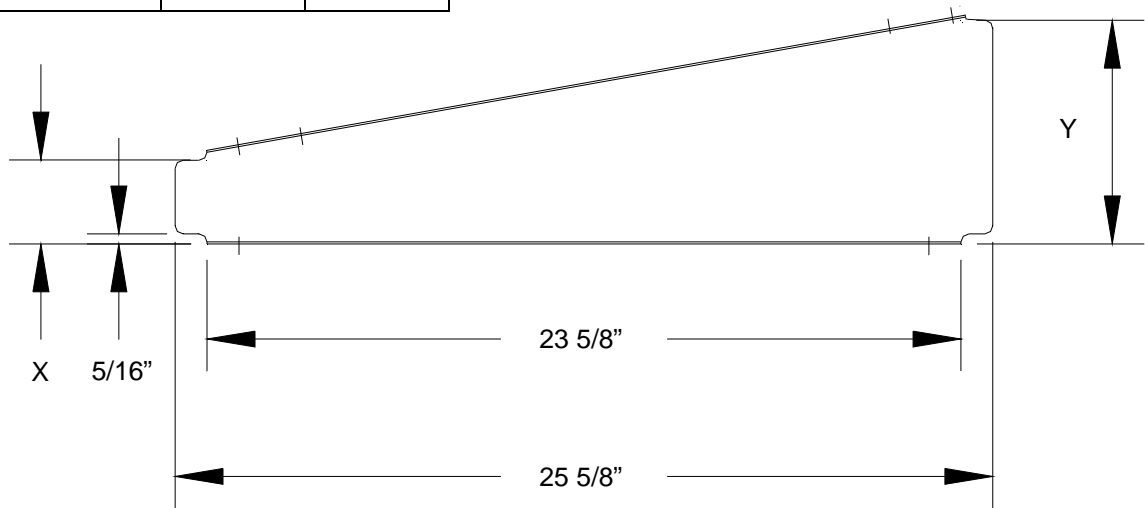


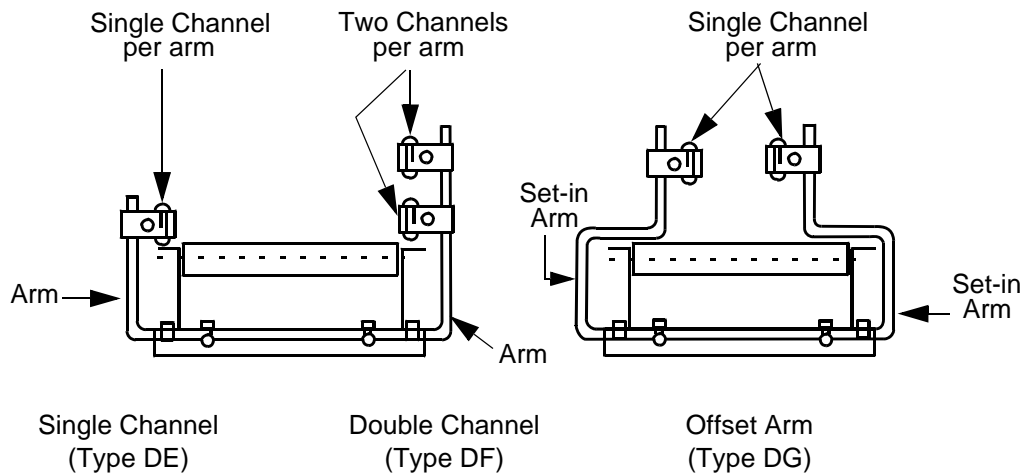
Figure C - 14 HBC Height Transition Side Guide

## Adjustable Side Guides

### Adjustable Side Guide Types

Adjustable side guide channels are 1 5/8" high. They are mounted on arms and can be adjusted. The three types of adjustable side guides are listed below. See Figure C - 15.

- Single channel (Type DE) – One 1 5/8" high channel set on an adjustable arm (*SGE in some abbreviations*)
- Double channel (Type DF) – Two 1 5/8" high channels set on an adjustable arm (*SGF in some abbreviations*)
- Offset Arm (Type DG) – One 1 5/8" high channel set on an adjustable set-in arm (*SGG in some abbreviations*)



\* To more effectively show the set-in arms, the guides on both sides of the conveyor are shown as Type DG.

Figure C - 15 Adjustable Side Guides

### Side Guide Heights and Widths

Table C 2 and Figure C - 16 indicate mounting arm height requirements. The dimensions are determined by the height of the conveyor channels (H), which is greater at terminal ends than at intermediate sections.

Table C 2: Adjustable Side Guide Heights

	Dimension H	Single Channel Dimension A	Double Channel Dimension B	Offset Arm Dimension C
<b>Intermediate Section</b>	5"	20 1/4"	27 1/4"	7"
<b>Terminal Ends</b>	10"	22 3/4"	29 3/4"	11 1/2"



Table C 3 and Figure C - 16 identify the range of *possible widths between adjustable side guides*. The arms may be placed to fit closer to the conveyor body or further away. For example, when using a single channel the width between the side guides ( $W_{SG}$ ) may range from 1" (M) *less than* the conveyor body width (W) to 8" (M) *more than* the conveyor body width (W). Note that when using offset arm guides (Type DG),  $W_{SG}$  is always *less than* W; it is never greater.

Table C 3: Adjustable Side Guide Widths

	Dimension H	Single Channel Dimension A	Double Channel Dimension B	Offset Arm Dimension C
<b>Dimension M</b>	Maximum	(+) 8"	(+) 8"	(-) 1 1/2"
	Minimum	(-) 1"	(-) 1"	(-) 9 1/2"

Width Between Side Guides ( $W_{SG}$ ) = W (Conveyor Body Width) Plus or Minus M

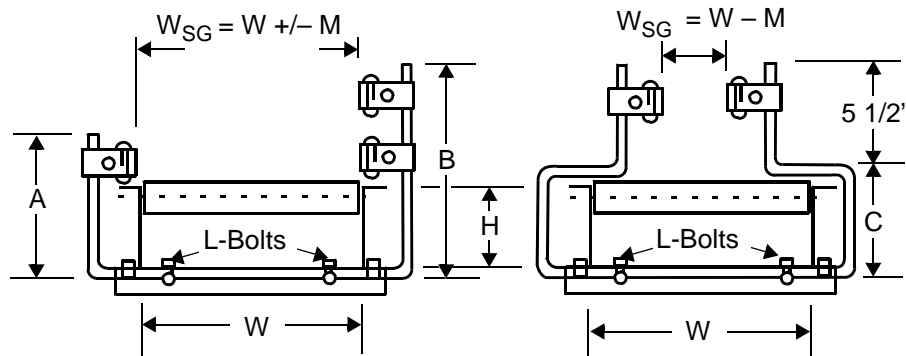


Figure C - 16 Adjustable Side Guide Dimensions

**Length**

Adjustable side guides come in 20' lengths.

**Mounting Angle**

1 1/2" formed angle attached to bottom of the conveyor frame; see Figure C - 17.

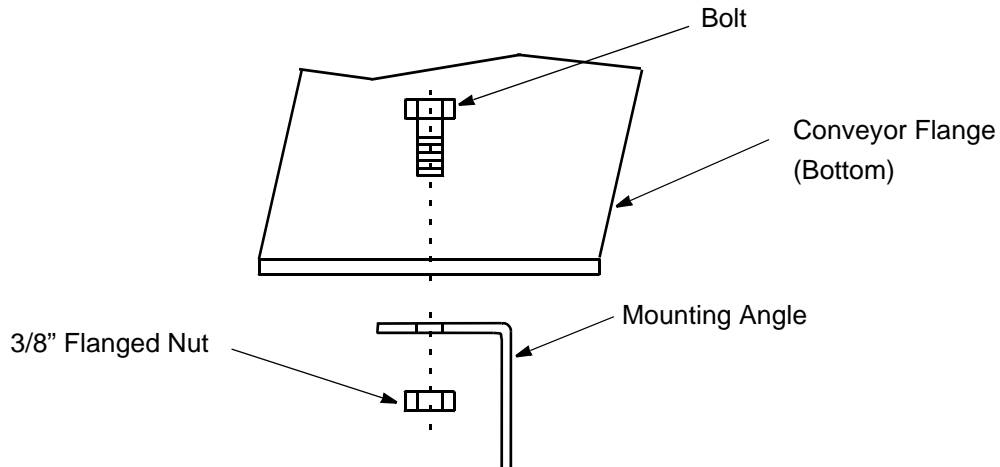


Figure C - 17 Attach Mounting Angle to Bottom Flanges

### Mounting Angle Hardware

- 3/8" x 1" domed head bolt
- 3/8" flanged hex nut

### Adjoining Side Guide Hardware

- 3/8" x 3" hex head bolt (see Figure C - 18)
- 3/8" hex nut

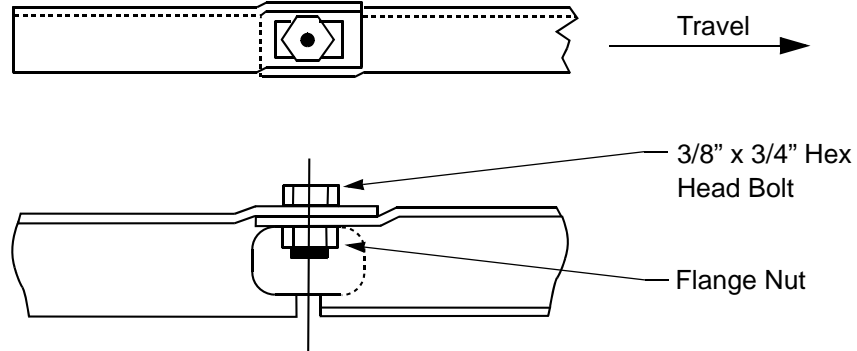


Figure C - 18 Adjoining Side Guide Hardware

### Support Rod

5/8" formed cold rolled steel (Support Rod Assembly; see Figure C - 19)

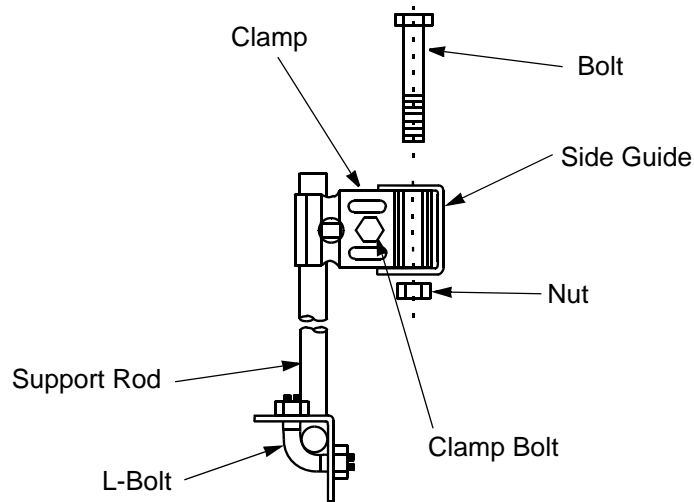


Figure C - 19 Support Rod Assembly

**L-Bolt & Nut**

- 3/8" bolt (formed to a 90° angle)
- 3/8" nut (course threads)

**Support Rod Clamp**

- 1 3/8" high formed clamp

**Clamp Bolt & Nut**

- 3/16" hex head bolt
- 3/16" nut

**Side Guide Channel (Straight)**

- 1 5/8" deep formed channel

**90°, 60°, 45°, and 30° Curve Side Guide Channel**

- 1 5/8" deep formed channel

**Side Guide Bolt & Nut**

- 1/4" x 2" hex head bolt
- 1/4" hex head nut



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## SECTION D:ENGINEERING DATA

### Side Guide Selection – Width Between Side Guides

When a conveyor system is designed, all curves must accommodate boxes and other packages of the maximum size to be moved on the conveyor. A side guide formula (shown in Figure D - 1) is used to determine the conveyor width necessary to allow boxes to move smoothly past the curves.

If the conveyor system is all designed at once, the side guides will be selected at the same time. However, if you already have a conveyor in place and need to select side guides, consider these questions:

- Will side guides mounted directly onto the conveyor body be sufficient?
- Will the side guides on curves need to be set out from the conveyor to allow smooth movement?

The Side Guide Formula shown in the figure on the next page will help you determine the distance needed between side guides on curves.

In the example in Figure D - 1, the inside radius is 30". Both the package width and package length are also 30" in this case. When the formula is applied, the result is that the width between the side guides needs to be 33.84" to allow the necessary 2" clearance at the curve. Since a 34" wide conveyor body is available, that width would normally be chosen in this case. (Also see Figure D - 2, which illustrates the required clearance of a package going around a curve. See Table D 1 and Table D 2 to help determine the conveyor body width needed for clearance at curves.)

But imagine a situation in which a conveyor with a 34" body width is already in place, and side guides need to be added. Suppose that application of the side guide formula indicates that a body width of 37" would actually be required on curves.

If a new conveyor were being installed, the purchaser would select a 40" conveyor. But in this case, the customer has two alternatives:

1. Fixed side guides could be mounted using offset mounting, which allows an outset totaling 4". (On each side, a 3" bracket sets the guide out 2".)
2. Adjustable side guides could be mounted using single channel adjustable or double channel adjustable mounting. Either of these two adjustable side guides permits an outset of up to 8".

For more information on fixed and adjustable side guides and on mounting styles, see Section C (Standard Specifications) and Section G (Installation).

The tables at the end of this section can be used to determine the width needed for clearance at curves. Table D.1 applies to True Taper Frame conveyor curves, which have inside radii that vary according to the conveyor body width. Table D.2 applies to standard conveyor curves with an inside radius that does not vary from 2' - 6" when body width changes.

**Side Guide Formula**

**The Formula**  $SG = \sqrt{(Inside\ Radius + Package\ Width)^2 + \left(\frac{Package\ Lgth.}{2}\right)^2} - Inside\ Radius + 2"$

**Example**  $SG = \sqrt{(30" + 30")^2 + \left(\frac{30"}{2}\right)^2} - 30" + 2"$

$$SG = \sqrt{3600" + 225"} - 30" + 2"$$

$$SG = 61.84" - 30" + 2" = 33.84" \text{ Between Side Guides}$$

Use 34" Width Conveyor

Figure D - 1 Side Guide Formula

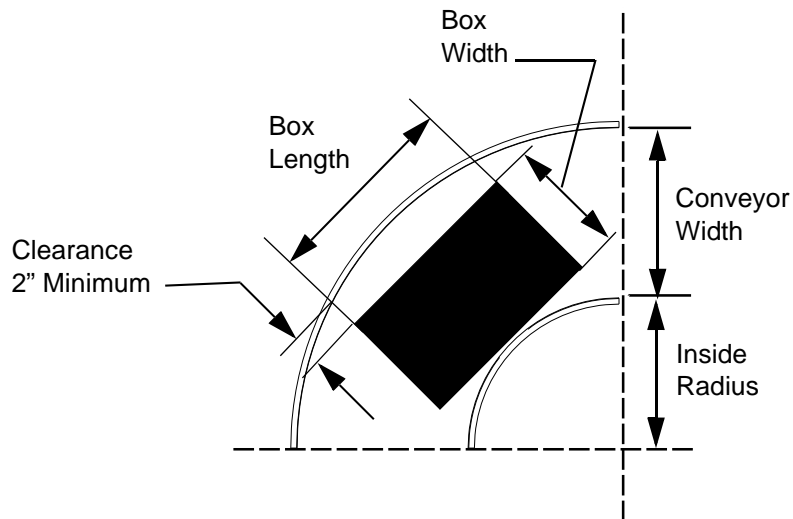


Figure D - 2 Determining the Curve Width

Table D 1: Curve Width Selection—True Taper

Dim	Package Length													
	12"	16"	20"	24"	28"	32"	36"	40"	44"	48"	52"	56"	60"	
Model TTF - True-Taper Frame, Variable I.R.: Body Width Required														
Package Width	6"	16"	16"	16"	16"	16"	16"	16"	16"	16"	16"	22"	22"	22"
	8"	16"	16"	16"	16"	16"	16"	16"	16"	16"	22"	22"	22"	22"
	10"	16"	16"	16"	16"	16"	16"	16"	16"	16"	22"	22"	22"	22"
	12"	16"	16"	16"	16"	22"	22"	22"	22"	22"	22"	22"	22"	28"
	14"	22"	22"	22"	22"	22"	22"	22"	22"	22"	22"	28"	28"	28"
	16"	22"	22"	22"	22"	22"	22"	22"	28"	28"	28"	28"	28"	28"
	18"	22"	22"	22"	28"	28"	28"	28"	28"	28"	28"	28"	28"	28"
	20"	28"	28"	28"	28"	28"	28"	28"	28"	28"	28"	28"	34"	34"
	22"	28"	28"	28"	28"	28"	28"	28"	28"	34"	34"	34"	34"	34"
	24"	28"	28"	28"	28"	34"	34"	34"	34"	34"	34"	34"	34"	34"
	26"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	40"
	28"	34"	34"	34"	34"	34"	34"	34"	34"	34"	40"	40"	40"	40"
	30"	34"	34"	34"	34"	40"	40"	40"	40"	40"	40"	40"	40"	40"
	32"	40"	40"	40"	40"	40"	40"	40"	40"	40"	40"	40"	40"	40"
	34"	40"	40"	40"	40"	40"	40"	40"	40"	40"				
36"	40"	40"	40"	40"	40"									

**Example:**

A Style 10 (TTF), 90° S-Curve conveys cartons 16" wide x 24" long (maximum). Per Table D 1:, a 22" conveyor width is required at curve.

Table D 2: Curve Width Selection—2' - 6" Inside Radius

Dim	Package Length													
	12"	16"	20"	24"	28"	32"	36"	40"	44"	48"	52"	56"	60"	
Model 26IR - 2'-6" IR (All Widths): Body Width Required														
Package Width	6"	*	*	*	*	*	*	*	*	*	*	22"	22"	22"
	8"	*	*	*	*	*	*	*	*	22"	22"	22"	22"	22"
	10"	*	*	*	*	*	*	22"	22"	22"	22"	22"	22"	28"
	12"	*	*	*	22"	22"	22"	22"	22"	22"	22"	22"	22"	28"
	14"	22"	22"	22"	22"	22"	22"	22"	22"	22"	28"	28"	28"	28"
	16"	22"	22"	22"	22"	22"	22"	28"	28"	28"	28"	28"	28"	28"
	18"	22"	22"	22"	28"	28"	28"	28"	28"	28"	28"	28"	34"	34"
	20"	28"	28"	28"	28"	28"	28"	28"	28"	28"	28"	34"	34"	34"
	22"	28"	28"	28"	28"	28"	28"	28"	34"	34"	34"	34"	34"	34"
	24"	28"	28"	28"	34"	34"	34"	34"	34"	34"	34"	34"	34"	40"
	26"	34"	34"	34"	34"	34"	34"	34"	34"	34"	34"	40"	40"	40"
	28"	34"	34"	34"	34"	34"	34"	34"	40"	40"	40"	40"	40"	40"
	30"	34"	34"	34"	40"	40"	40"	40"	40"	40"	40"	40"	40"	
	32"	40"	40"	40"	40"	40"	40"	40"	40"	40"	40"			
	34"	40"	40"	40"	40"	40"	40"	40"						
36"	40"	40"	40"											

\* Requires True Taper conveyor. Refer to Table D 1, True Taper chart, for 16" body width.



*SECTION E: LAYOUT DIMENSIONS*

**Layout Dimensions**

For layouts and specifications, refer to Section C, Standard Specifications.



*SECTION F: ACCESSORIES*

**Accessories**

There are no accessories for side guides.



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## **SECTION G: INSTALLATION PROCEDURES**

### **Accepting Shipment**

Immediately upon delivery, check that all equipment received agrees with the bill of lading or the carrier's freight bill.

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Note	Do not sign the freight bill before checking the equipment for completeness and for damage.
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### **Lost Shipments**

Report lost shipments to the Manufacturer's Shipping Department.

### **Shortages or Errors**

Before signing the freight bill, note any shortages or errors clearly on the freight bill. Report any shortages or errors to the Manufacturer's Customer Service Department in writing within ten (10) days after receipt of shipment.

### **Damaged Shipments**

If shipping damage is evident upon receipt of the shipment, proceed as follows:

- Before signing the freight bill, note the extent of the damage clearly on the freight bill.
- Immediately contact the transportation carrier to request an inspection.
- Do not destroy the crating or packing materials until the carrier's agent has inspected them.
- If possible, take photographs of the damage in order to document negligence on the part of the carrier.

### **Returns**

Unless authorized in writing by the Manufacturer, equipment furnished in accordance with the Manufacturer's Agreement is not returnable for any reason. Please note that a restocking charge may apply. When requesting a return authorization, be sure to include the following information:

- Job number
- Customer name
- Contact person's name
- Phone number of contact person
- Part number, select number and description for each item to be returned
- Quantity
- Reason for return
- Condition of material
- Color of material

After receiving the information, the Manufacturer will determine which items may be returned. If a request to return is approved, the Manufacturer's Customer Service Department will issue to the Purchaser (End User) a Return Goods Authorization (RGA) number. Be sure to mark the RGA number clearly and prominently on all packages returned. The Purchaser (End User) shall be liable for all freight charges.

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## Codes and Standards

The conveyor equipment is designed and manufactured to comply with the American National Standard Institute's "SAFETY STANDARDS FOR CONVEYORS AND RELATED EQUIPMENT" (ANSI/ASME B20.1) and with the National Electrical Code (ANSI/NFPA70).

The Purchaser (End User) shall be familiar with, and responsible for, compliance with all codes and regulations having jurisdiction regarding the installation, use, and maintenance of this equipment. Appropriate lock-out/tagout policy and procedures shall comply with the minimum safety requirements outlined in the American National Standard Institute's current publication (ANSI Z244.1).

## Warning Signs

Warning signs and labels posted on or near the conveyor equipment shall not be removed, painted over, or altered at any time. All safety devices, warning lights, and alarms associated with the conveyor system should be regularly tested for proper operation and serviced as needed. If the original safety item(s) become defective or damaged, refer to the conveyor parts list(s) of bill(s)-of-materials for replacement part numbers.

## Safety Features

- DO turn off conveyor power source(s) and affix appropriate lockout/tagout device(s) to operating controls before servicing the equipment. ONLY trained and qualified personnel who are aware of the safety hazards should perform equipment adjustments or required maintenance while the conveyor is in operation.
- DO observe all warning signs, lights, and alarms associated with the conveyor operation and maintenance, and be alert at all times to automatic operation(s) of adjacent equipment.
- DO use extreme caution near moving conveyor parts to avoid the hazard of hands, hair, and clothing being caught.
- DO NOT sit on, stand on, walk, ride, or cross (over or under) the conveyor at any time except where suitable catwalks, gates, or bridges are provided for personnel travel.
- DO NOT attempt to repair any equipment while the conveyor is running, replace any conveyor component without appropriate replacement parts, or modify the conveyor system without prior approval by the manufacturer.
- DO NOT operate the conveyor until all safety guards are securely in place, all tools and non-product materials are removed from or near the conveying surfaces, and all personnel are in safe positions.
- DO NOT remove or modify any safety devices provided on or with the conveyor.
- DO NOT clear jams or reach into any unit before first turning off the equipment power source(s) and affixing appropriate lockout/tagout device(s).

## Parts Replacement

To minimize production downtime, selected conveyor spare parts should be stocked for replacement of defective components when required. Refer to the equipment bill(s)-of-materials where quantity requirements or code numbers are not indicated on the conveyor parts list. For added convenience, a list of selected spare parts for standard products is included in this manual (see Section I).

## Factory Assistance

Contact Field Service for installation, operation, or maintenance assistance, or Customer One Protection (COP) for replacement parts.

## Pre-Installation Set-up

For installation of the conveyor, *refer to the specific manual for each conveyor*. This manual discusses installation of side guides *only*.

## Field Kits and Mounting Fasteners

The side guides may seem to require a large number of bolts because there are many holes where bolts would fit. However, most of those holes do not require bolts.

The field kit for each side guide contains the appropriate number of mounting fasteners. When you are sorting parts, refer to the Order Acknowledgement, which lists and describes the items (ship-level parts) included in the order for each conveyor. The Order Acknowledgement will direct you to the Field Kit Summary (FKS) when needed. The Field Kit Summary describes the necessary field kit, and lists the number of bolts, washers, etc., in each field kit.

## Order Acknowledgement Manual

You may also wish to refer to our Order Acknowledgement Manual, which shows how to use the Order Acknowledgement, the Field Kit Summary, and the Shipping List Summary, along with the layout drawings and shipping labels, to help with the unloading and identification of parts for installation. The manual also includes a Guide to abbreviations used on the various documents, safety label information, and a brochure with a form for ordering new safety labels as needed.

Please note that for conveyor installation, you will need the specific conveyor product manual as well as the Order Acknowledgement, the Field Kit Summary, the Shipping List Summary, and layout drawings, in addition to the Order Acknowledgement Manual and this Side Guide Manual.

## Introduction

Side guides are classified according to how they are mounted, as follows:

- Fixed side guides
- Adjustable side guides

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**Note** Always refer to the Order Acknowledgement and the Field Kit Summary for specific information about which hardware is to be used to mount a particular part. See the Order Acknowledgement Manual for more information.

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## Fixed Side Guides

Four types of fixed side guides (see Figure G - 1 and Figure G - 2) are available, as follows:

- 1 3/4" Angle Guide (Type A) - 1 3/4" high angle
- 2 5/8" Channel Guide (Type B) - 2 5/8" high channel
- 7" Channel Guide (Type C) - 7" high channel
- 10" Channel Guide (Type D) - 10" high channel

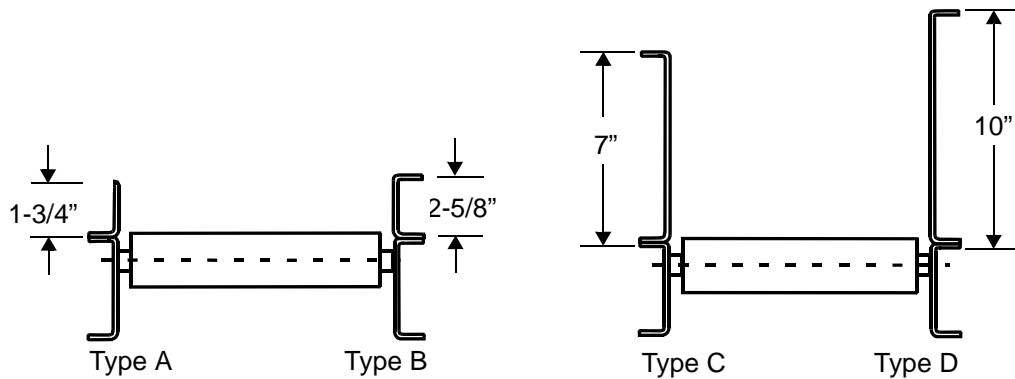


Figure G - 1 Types of Fixed Side Guides, shown attached to conveyors



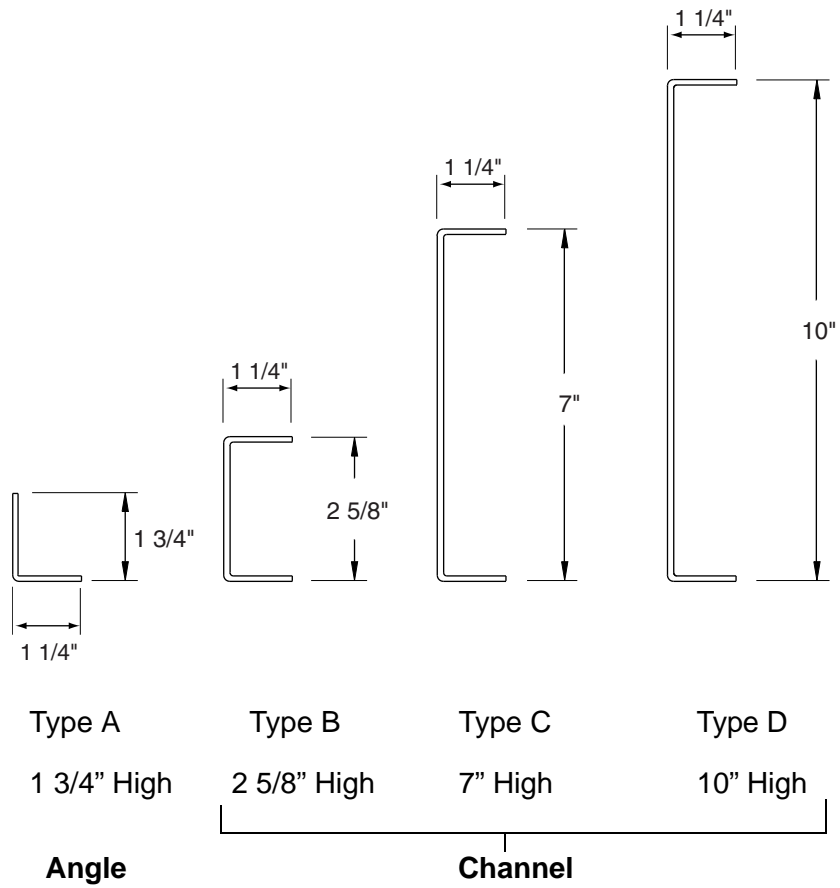


Figure G - 2 Types of Side Guides

## Mounting Styles

Fixed side guides are mounted three ways:

- Direct mounting (Style A) - Side guide bolted directly to top flange of frame rail.
- Spaced mounting (Style B) - Hex spacer provides 11/16" gap between side guide and frame rail.
- Offset mounting (Style C) - Bracket provides 2" inset or outset of side guide.

With direct and spaced mounting side guides are located directly above the conveyor (see Figure G - 3). The side guide rail is flush with the inside of the conveyor side rail.

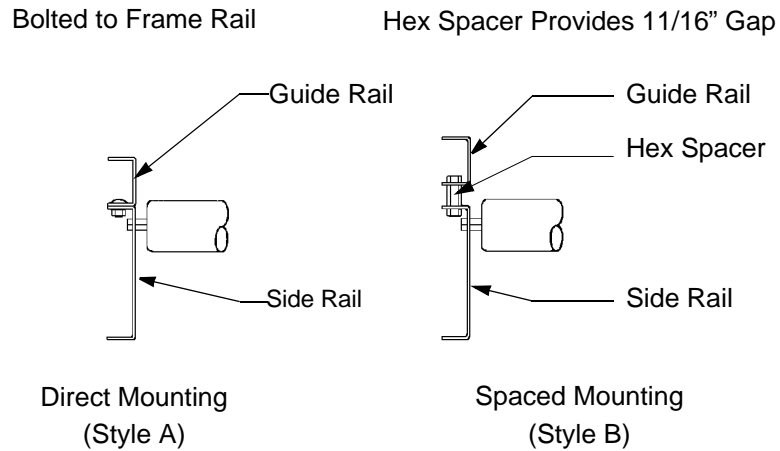


Figure G - 3 Direct Mounting and Spaced Mounting (2 5/8" channel guide shown)

With offset mounting, side guides are mounted to 3-inch brackets, which are mounted to the conveyor side rails. Offset mounting may be either set-in or set-out (see Figure G - 4).

- Set-in mounting positions the side guide 2 inches closer to the conveyor centerline than the side rail.
- Set-out mounting positions the side guide 2 inches farther from the conveyor centerline than the side rail.

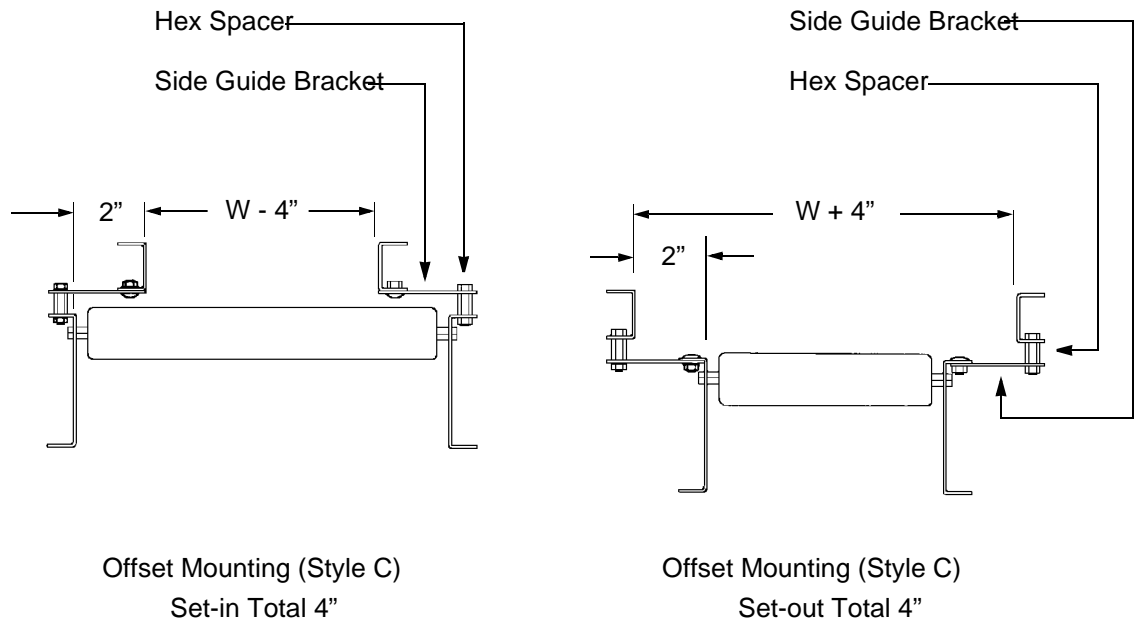


Figure G - 4 Offset Mounting (Style C), Set-in and Set-out (2 5/8" channel guide, shown)

### Delivery Packaging

Straight fixed side guides (12' - 0" lengths) and curved side guides (30°, 45°, 60°, and 90° arcs) are shipped in strapped bundles. Mounting components and fasteners are packed in hardware cartons. See Accepting Shipment, page 2.

## Identifying Components and Fasteners

The fastener requirements for each 12' side guide length (straight) are identified in Figure G - 5.

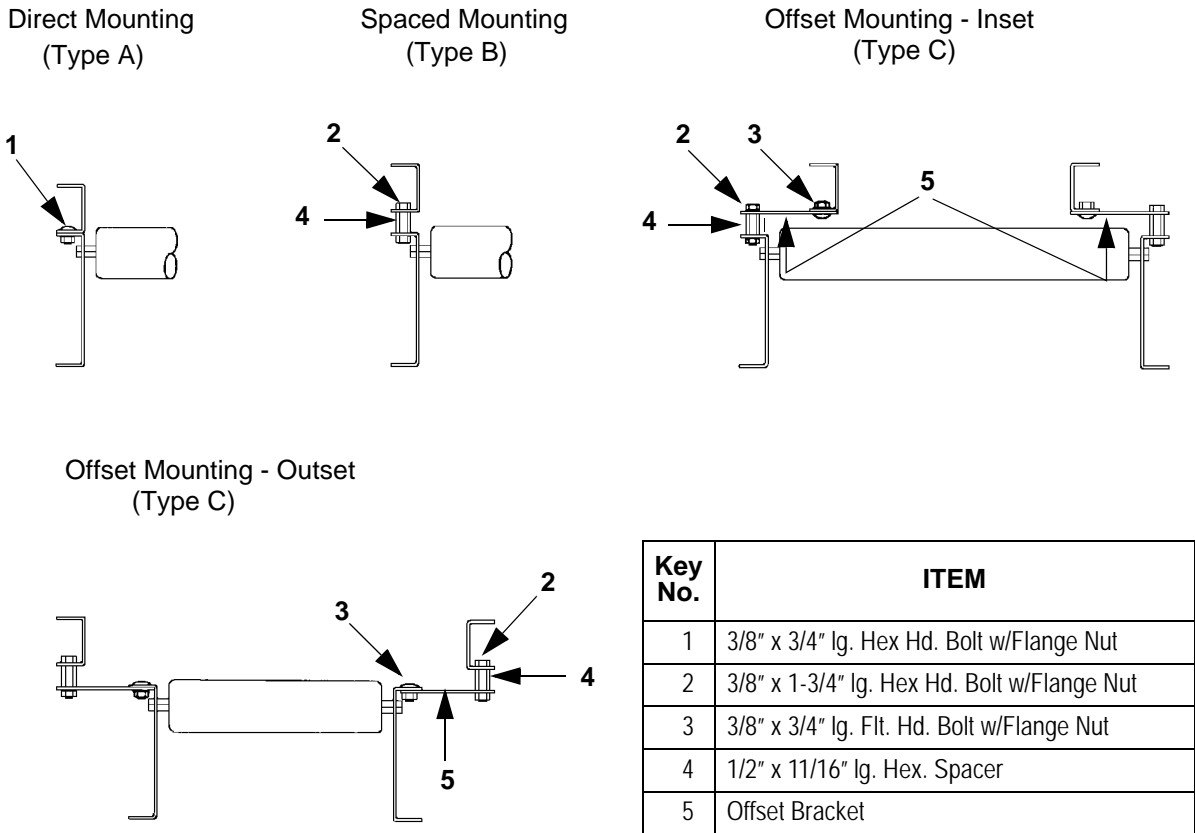


Figure G - 5 Fixed Side Guide Mounting Types, Identifying Fasteners

## Installation Instructions (Generic)

To install fixed side guides:

1. Locate and place side guides.
2. Bolt side guides to top flanges of conveyor rail (see Figure G - 6).
3. Follow the Splice/Connection directions (next topic).

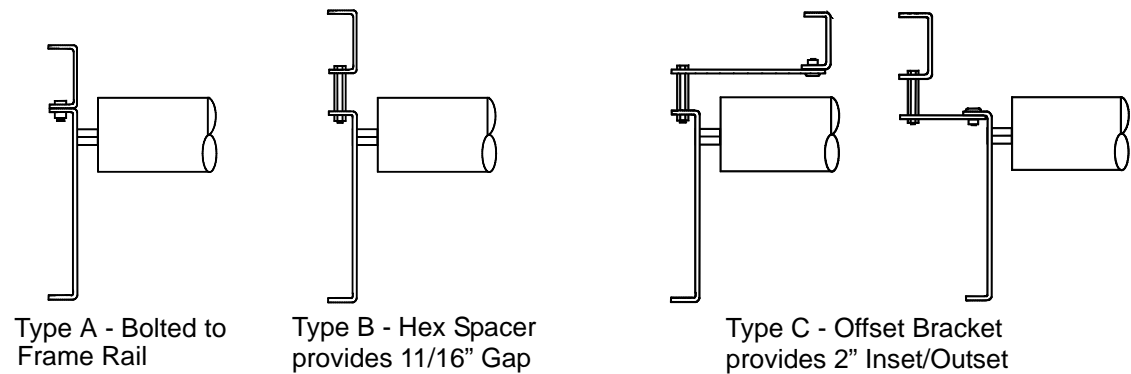


Figure G - 6 Types of Mountings

## Splice/Connection

1. Overlap extension tabs of two adjoining side guides. Note that when two side guide rails are coupled, the tab of the side guide that comes first (in order of product travel) must overlap the other guide on the *inside* (belt or roller side). This allows the product to move smoothly past the overlap, not catching on the overlapping rail. See Figure G - 7.
2. For channel side guides, bolt together adjoining top flanges of the side guides. See Figure G - 7

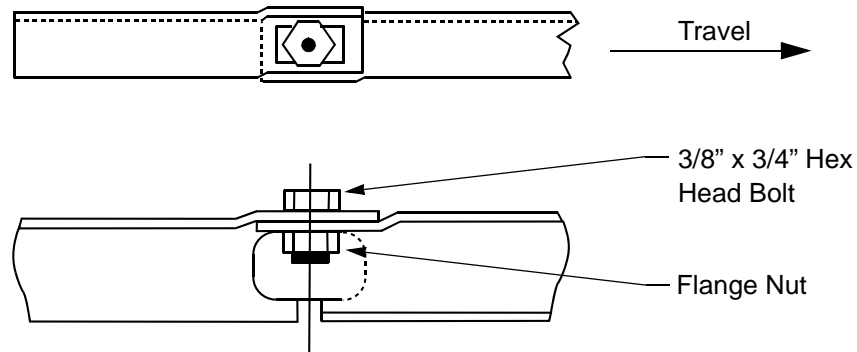


Figure G - 7 Adjoining Top Flanges Bolted Together

3. Bolt strap-coupling to the top flanges of the side guides when: a) side guide rails have been cut to fit; or b) side guides are curved rails.

Sometimes the channels on the conveyor body require strap coupling; in that case, the same straps can be used for the body and the side guides. Position the straps at the bottom flange of the side guides, strapping both the conveyor body channels and the side guides.

### Curves (including S-Curves)

Curved side guides are formed to a radius that matches the curved frame. It is necessary to “field-adjust” the radii of side guides that require offset mounting.

### S-Curves

Straight side guides must be cut and spliced to two 90° curved side guides.

### Junctions (Spurs)

Field cutting and fitting together of the straight and curved side guides is required.

### Mounting Kits

Three side-guide mounting kits are available, as follows (see Table G 1):

- Style A – For direct mounting,
- Style B – For spaced mounting, and
- Style C – For offset mounting

Note: With certain side guides, the mounting kit is included. With others, the mounting kit must be ordered separately. Section J shows which side guides include mounting kits and which do not.

Table G 1: Side Guide Mounting Kits

Item	Mounting Kits & Part Numbers		
	Direct Mounting (Style A)	Spaced Mounting (Style B)	Offset Mounting (Style C)
	633990	633991	633992
Hex head bolt, 3/8-16 x 3/4	5	3	3
Flanged hex nut, 3/8-16	5	7	11
Flat washer, zinc plated, 3/8 USS	5	7	11
Hex head bolt, 3/8-16 x 1 1/2		4	4
Hex nut, 1/2-20 NF 11/16		4	4
Mounting Flat, 1 x 1/8 x 4 SCC		1	1
Carriage bolt, special, 3/8 x 11/16			4
Side guide bracket			4

## Direct Mounting (Style A) Kit

The direct mounting kit (Style A, part number 633990) provides the hardware needed to mount one side guide. At each location use:

- One 3/8-16 x 3/4" hex head bolt
- One 3/8-16 flanged hex nut
- One 3/8" flat washer, USS zinc

To couple a side guide to an adjoining guide at the top flange (channel side guides and height transition side guides) use:

- One 3/8-16 x 3/4" hex head bolt
- One 3/8-16 flanged hex nut
- One 3/8" flat washer, USS zinc
- One flat, 1" x 1/8" x 4" (only when there is no overlapping tab)

For wheelface side guides, at each of the two mounting locations, use:

- One 3/8-16 x 1" hex head bolt
- One 3/8-16 flanged hex nut
- Three 3/8" flat washers; one washer is used to help secure the bolt (between the side guide flange and the bolt); two washers (totalling 1/4") are used as spacers between the side guide bottom flange and the conveyor

## Spaced Mounting (Style B) Kit

The spaced mounting kit (Style B, part number 633991) provides the hardware needed to mount one side guide. At each location use:

- One 3/8-16 x 1 1/2" hex head bolt
- One 11/16" hex spacer
- One 3/8-16 flanged hex nut
- One 3/8" flat washer, USS zinc
- One flat, 1" x 1/8" x 4" (height transition guides only)

To couple a side guide to an adjoining guide at the top flange (channel side guides and transition side guides) use:

- One 3/8-16 x 3/4" hex head bolt
- One 3/8-16 flanged hex nut
- One 3/8" flat washer, USS zinc
- One flat, 1" x 1/8" x 4" (only when there is no overlapping tab)

For wheelface side guides, at each of the two mounting locations, use:

- One 3/8-16 x 1 1/2" hex head bolt
- One 3/8-16 flanged hex nut
- One 1/2-20 x 11/16" hex spacer; this spacer is used between the side guide bottom flange and the conveyor
- One 3/8" flat washer

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## Offset (Style C) Mounting Kit

In offset mounting (see Figure G - 11 and Figure G - 12), the side guide is bolted to the bracket, and the bracket is bolted to the conveyor body. A hex nut is used as a spacer. When the guide is set in, the hex spacer is used between the bracket and the conveyor side rail; when the guide is set out, the hex spacer is used between the bracket and the side guide.

The offset mounting kit (Style C, part number 633992) provides the hardware needed to mount one side guide, either set in or set out.

In each mounting location, the items below are used to attach the bracket to the conveyor.

- One 1/2-20 x 11/16" hex spacer (*this spacer is used in this location only when the guide is **set in**; it is used where the bracket attaches to the guide when the guide is set out*).
- One 3/8-16 x 1 1/2" hex head bolt
- One 3/8-16 flanged hex nut
- One 3/8" flat washer, USS zinc

The bracket used in each of the mounting locations:

- One 3" side guide bracket

In each of the mounting locations, the items below are used to attach the bracket to the guide:

- One 1/2-20 x 11/16" hex spacer (*this spacer is used in this location only when the guide is **set out**; it is used where the bracket attaches to the conveyor body when the guide is set in*).
- One 3/8-16 x 11/16" special carriage bolt
- One 3/8-16 flanged hex nut
- One 3/8" flat washer

To couple the side guide with the adjoining guide at the bottom, use:

- One 1" x 1/8" x 4" flat, SCC
- Two 3/8-16 x 3/4" hex head bolts (one bolt for each end of flat)
- Two 3/8-16 flanged hex nuts
- Two 3/8" flat washers

To couple a side guide to an adjoining guide at the top flange (channel side guides) use:

- One 3/8-16 x 3/4" hex head bolt
- One 3/8-16 flanged hex nut
- One 3/8" flat washer, USS zinc
- One 1" x 1/8" x 4" flat (only when there is no overlapping tab)



### Straight Angle Guides - (1 3/4")

Figure G - 8 shows the 1 3/4" angle side guide. (The 1 3/4" angle side guide is always plain-faced.)

Straight angle side guides are attached to the conveyor body at four places and are coupled to the adjoining side guide at the bottom of the guide.

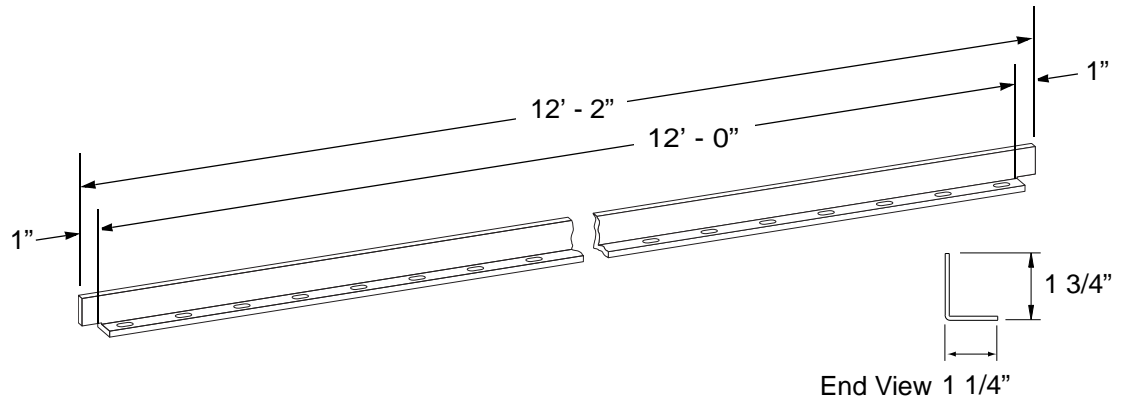


Figure G - 8 1 3/4" Angle Side Guide

## Direct Mounting

The direct mounting kit (Style A, part number 633990) provides all the hardware needed to mount one plain 12' straight 1 3/4" angle side guide.

- Bolt the side guide to the frame in four locations (see Figure G - 9).

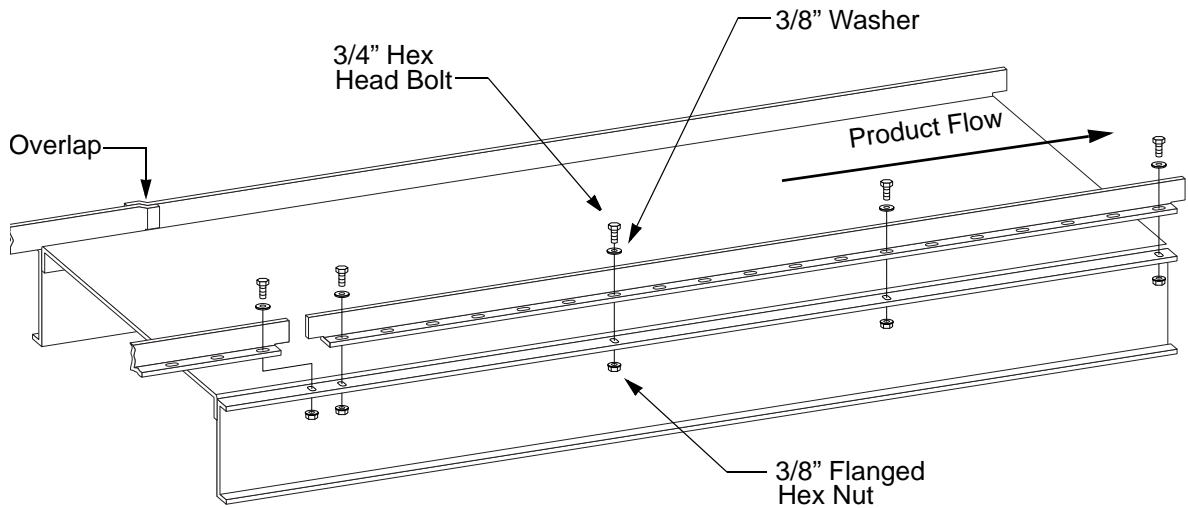
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**CAUTION:** Make certain that each section of side guide overlaps the adjoining downstream section on the inside (toward the center of the conveyor). Otherwise product may catch and become damaged or disoriented.

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See "Mounting Kits" and following topics for part descriptions and additional instructions.

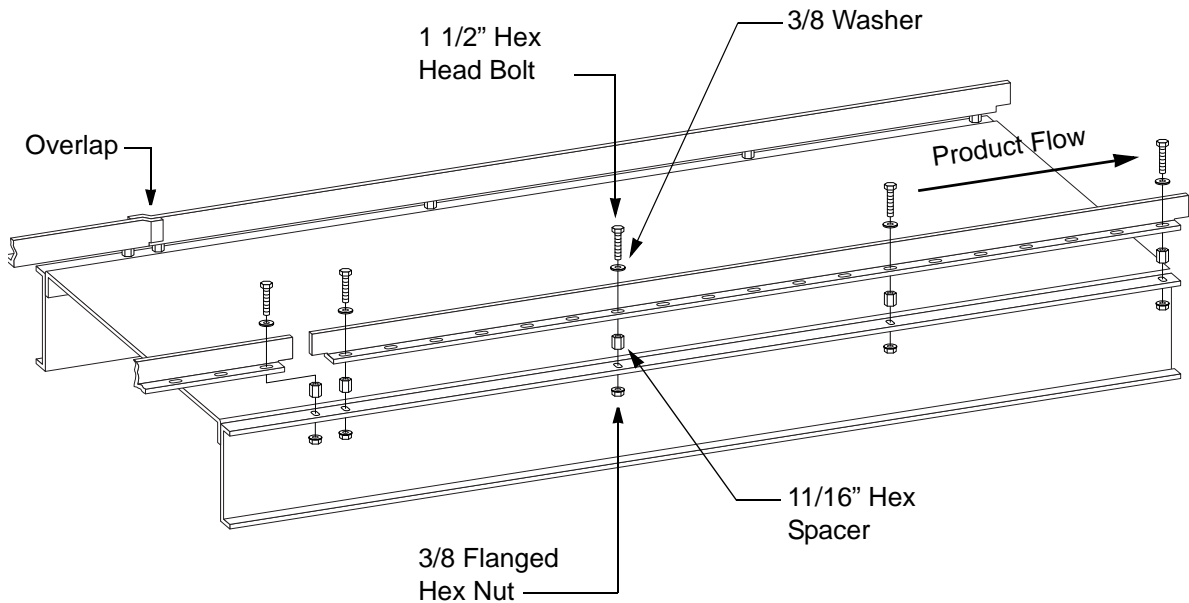
Figure G - 9 1 3/4" Angle Side Guide, Direct Mounting

## Spaced Mounting

The spaced mounting kit (Style B, part number 633991) provides all the hardware needed to mount one plain 12' straight 1 3/4" angle side guide.

- Bolt the side guide to the frame, with a spacer, in four locations (see Figure G - 10).

**CAUTION:** Make certain that each section of side guide overlaps the adjoining downstream section on the inside (toward the center of the conveyor). Otherwise product may catch and become damaged or disoriented.



See "Mounting Kits" and following topics for part descriptions and additional instructions.

Figure G - 10 1 3/4" Angle Side Guide, Spaced Mounting

## Offset Mounting

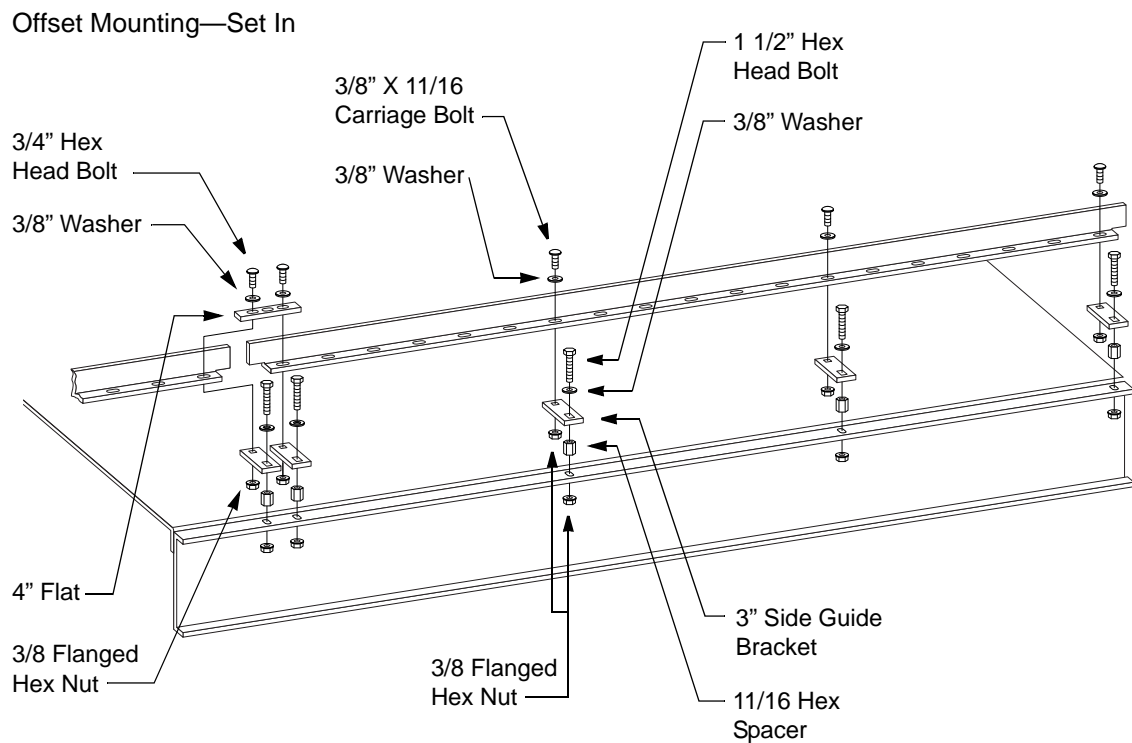
In offset mounting (see Figure G - 11 and Figure G - 12), the side guide is bolted to the bracket, and the bracket is bolted to the body. A hex nut is used for a spacer. When the guide is set in, the spacer is used where it attaches to the body; when the guide is set out, the spacer is used where the bracket attaches to the side guide.

The offset mounting kit (Type C, part number 633992) provides all the hardware needed to mount one plain 12' straight 1 3/4" angle side guide, either set in or set out.

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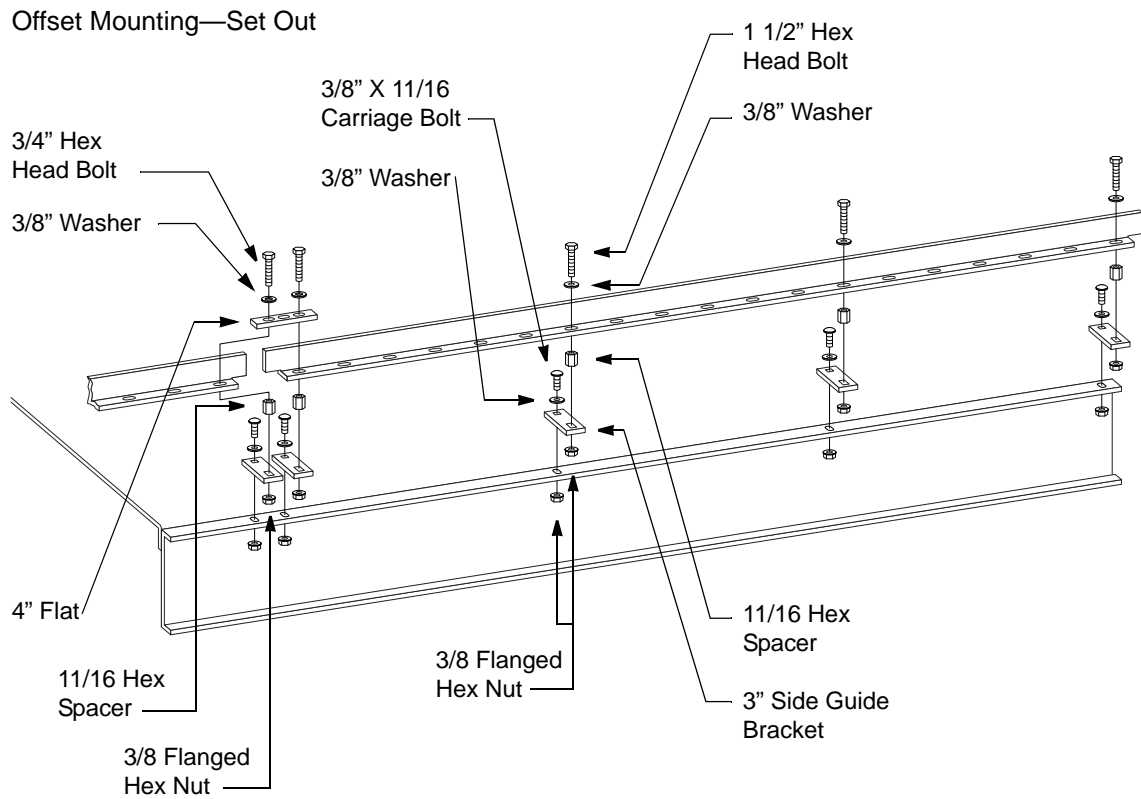
**CAUTION:** Make certain that each section of side guide overlaps the adjoining downstream section on the inside (toward the center of the conveyor). Otherwise product may catch and become damaged or disoriented.

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See “Mounting Kits” and following topics for part descriptions and additional instructions.

Figure G - 11 1 3/4" Angle Guide, Offset Mounting—Set In



See "Mounting Kits" and following topics for part descriptions and additional instructions.

Figure G - 12 1 3/4" Angle Guide, Offset Mounting—Set Out

### Curved Angle Guides - (1 3/4")

Any curved side guide rail—90°, 60°, 45°, or 30°—can be mounted using the direct, spaced, or offset mounting style. Figure G - 13 shows a 1 3/4" angle side guide with a 90° curve.

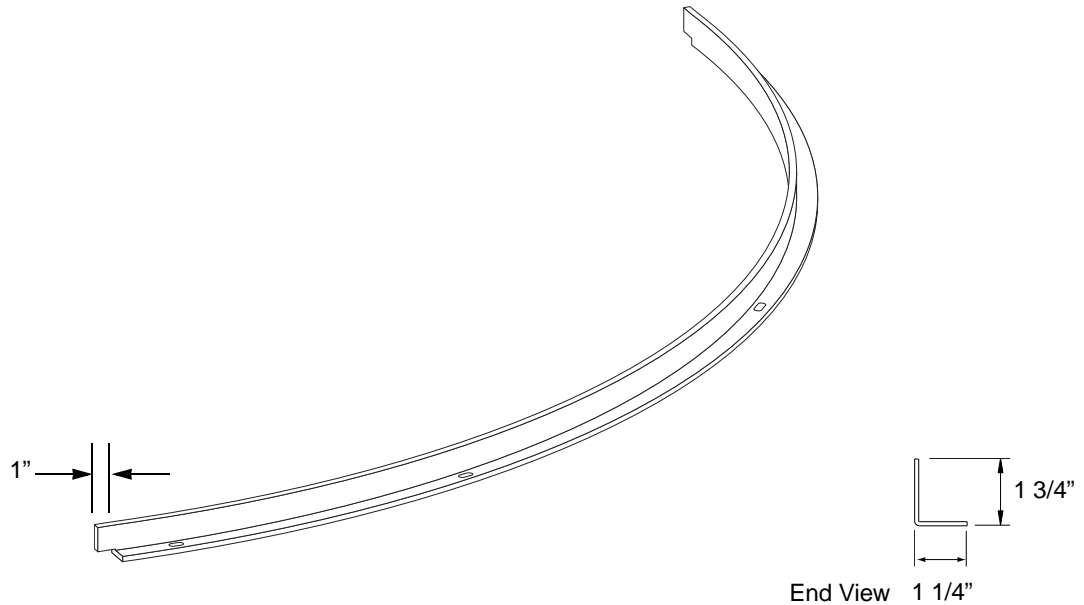


Figure G - 13 1 3/4" Angle Side Guide, 90° Curve

The direct mounting kit (Part No. 633990) provides the hardware for 1 3/4" angle side guide curves using direct mounting.

The spaced mounting kit (Part No. 633991) provides the hardware for 1 3/4" angle side guide curves using spaced mounting. (The 1 3/4" angle curve using spaced mounting is not shown; refer to Figure G - 10 for an example of spaced mounting.)

The offset mounting kit (Part No. 633992) provides the hardware for 1 3/4" angle side guide curves using offset mounting. (The 1 3/4" angle curve mounted using offset mounting is not shown; refer to Figure G - 11 and Figure G - 12 for examples of offset mounting.)

## Mounting Curved Sections

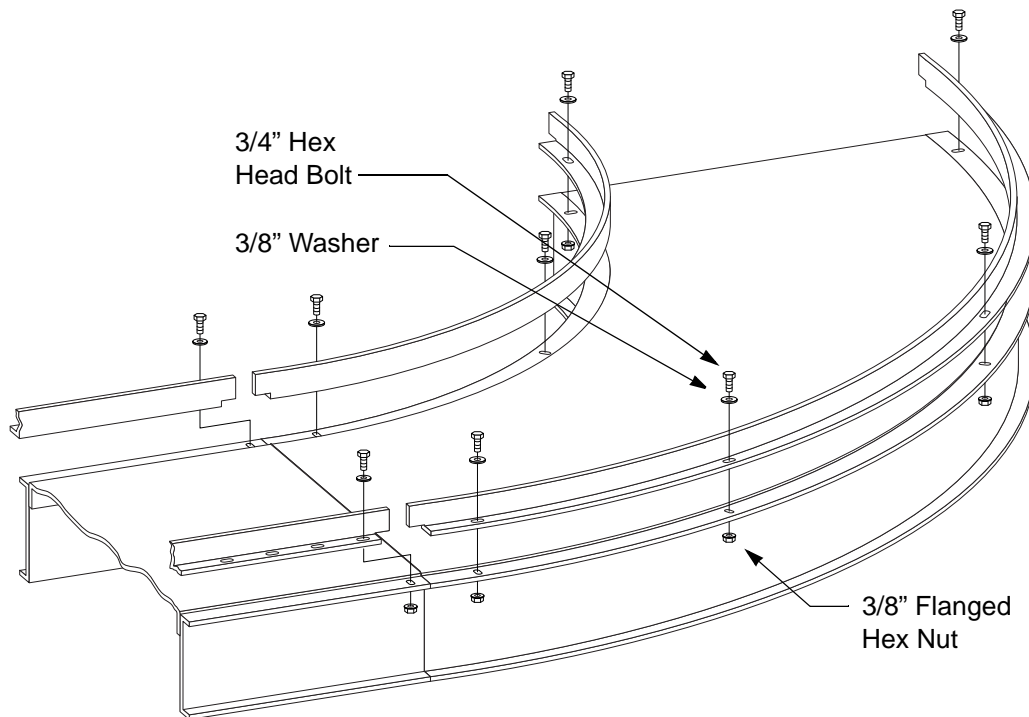
The angle of a curve affects the length of the guide rail; the length is also affected by such factors as:

- The width of the conveyor
- Whether the curve is a True Taper or a 2' - 6" IR curve

The length of the side guide may affect the number of mounting points.

1. Bolt the outside of a 90° side guide to the frame in four locations.
2. Bolt the inside of a 90° side guide to the frame in three locations (see Figure G - 14).

**CAUTION:** Make certain that each section of side guide overlaps the adjoining downstream section on the inside (toward the center of the conveyor). Otherwise product may catch and become damaged or disoriented.



See "Mounting Kits" and following topics for part descriptions and additional instructions.

Figure G - 14 1 3/4" Angle Side Guide, 90°Curve, Direct Mounting

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## Power Feeder Angle Guides - (1 3/4")

Side guides can be attached to incline, decline, and reversing power feeders.

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**CAUTION:** It is important to observe proper mounting procedures so product does not catch where the edges of the side guides overlap. See Figure G - 15, Figure G - 16, and Figure G - 17 for information about proper overlap for incline, decline, and reversing power feeders.

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### Direct Mounting

The direct mounting kit (part number 633990) provides the hardware needed to mount side guides to power feeders using direct mounting.

1. Bolt the long side guide to the frame in three locations.
2. Bolt the short guide in two locations.

### Spaced Mounting

The spaced mounting kit (part number 633991) provides the hardware needed to mount side guides to power feeders using spaced mounting.

1. Bolt the long side guide to the frame, with a spacer, in three locations.
2. Bolt the short guide in two locations.

Spaced mounting of power feeders is not shown; see Figure G - 10 for a 1 3/4" angle side guide mounted using spaced mounting.

### Offset Mounting

The offset mounting kit (part number 633992) provides the hardware needed to mount side guides to power feeders using offset mounting, either set in or set out.

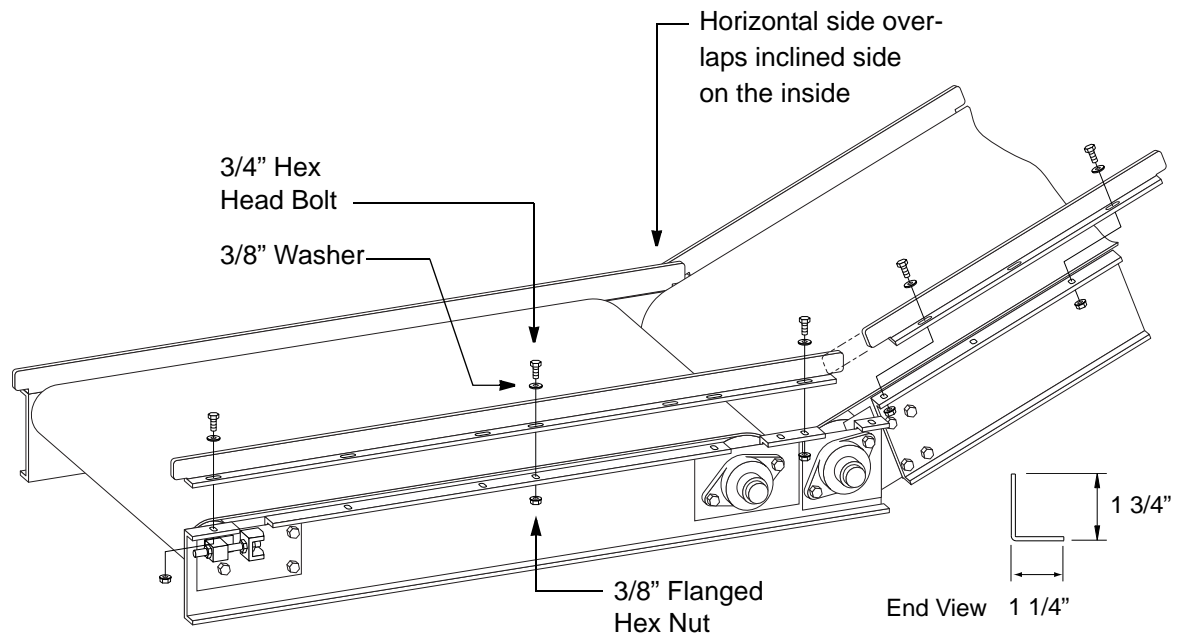
1. Bolt the long rail of the power feeder side guide to the conveyor body at three places.
2. Bolt the short rail of the power feeder side guide to the conveyor body at two places.
3. Connect adjoining side guides at the bottoms of the guides, using a flat and the necessary bolts and washers.

Offset mounting of power feeders is not shown; see Figure G - 11 and Figure G - 12 for examples of 1 3/4" angle side guides mounted using offset mounting.



## Inclined Power Feeders

**CAUTION:** Mount inclined power feeder side guides with the horizontal side guide overlapping the incline side guide on the inside so that products moving up the conveyor do not catch the overlapping rail (see Figure G - 15).



See "Mounting Kits" and following topics for part descriptions and additional instructions.

Figure G - 15 Power Feeder, Inclined, with 1 3/4" Angle Side Guides; Direct Mounting

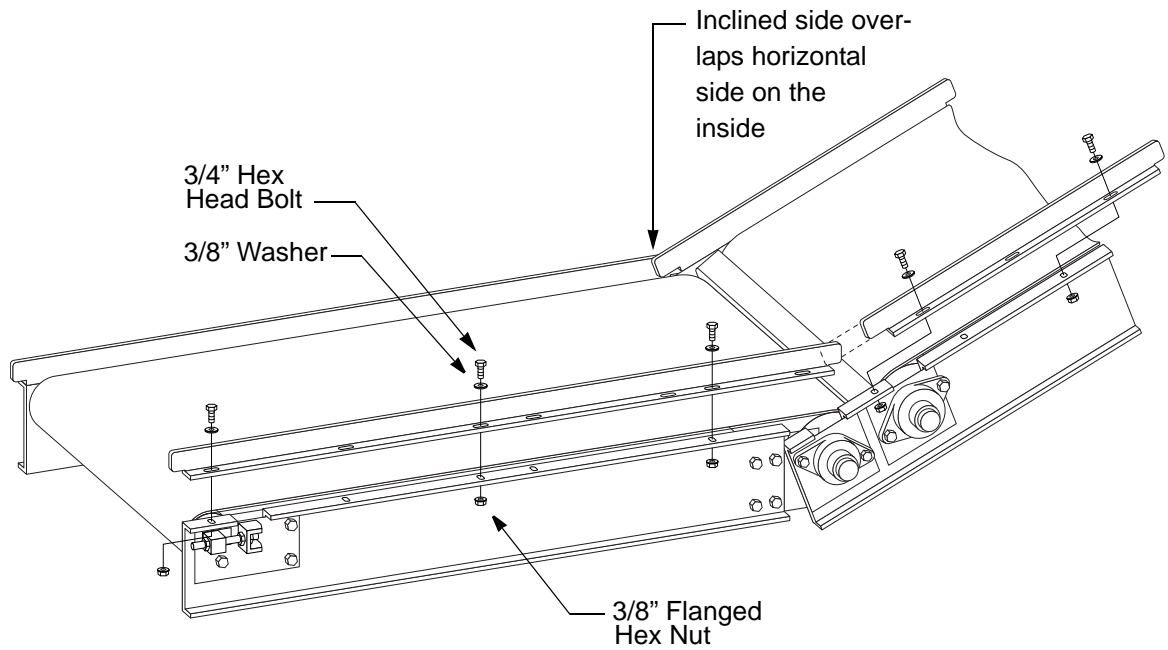
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## Declined Power Feeders

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**CAUTION:** Mount declined power feeder side guides with the incline side guide overlapping the horizontal side guide on the inside so that products moving down the conveyor do not catch the overlapping rail (see Figure G - 16).

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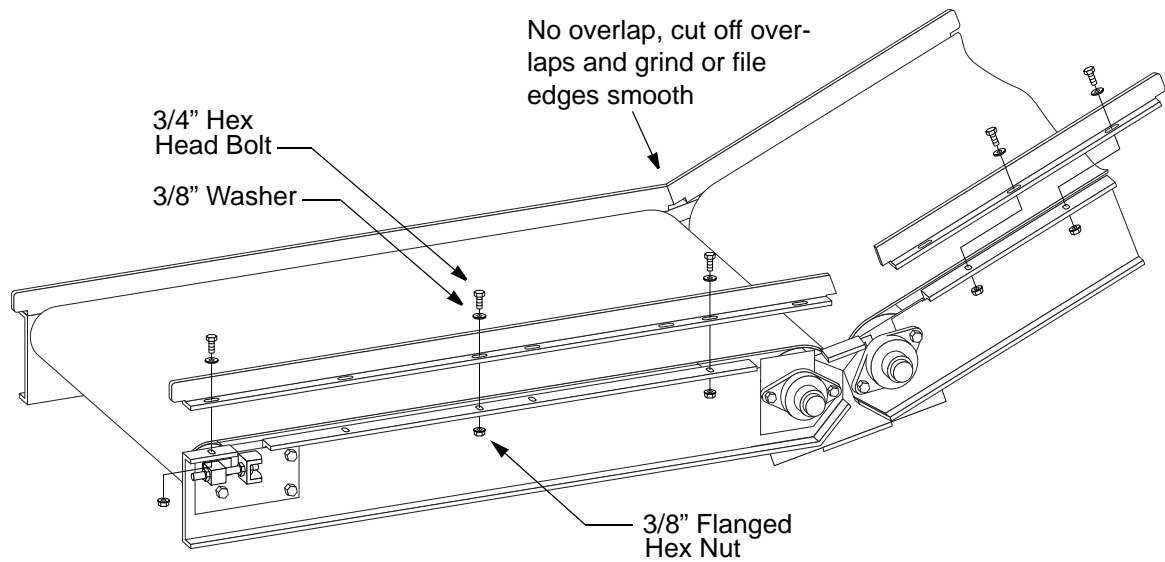


See "Mounting Kits" and following topics for part descriptions and additional instructions.

Figure G - 16 Power Feeder, Declined, with 1 3/4" Angle Side Guides; Direct Mounting

## Reversing Power Feeders

**CAUTION:** Mount reversing power feeder side guides with no overlaps where the horizontal side guides meet the inclined side guides. Cut off the overlaps and grind or file the edges smooth (see Figure G - 17).



See "Mounting Kits" and following topics for part descriptions and additional instructions.

Figure G - 17 Power Feeder, Reversing, with 1 3/4" Angle Side Guides; Direct Mounting

## Upper Bend Angle Guides - (1 3/4")

The upper bend unit provides the curved transition between an inclined section and a horizontal section. The upper bend consists of two end rails and a center rail (see Figure G - 18). In the illustration, the rail at the right connects with a horizontal conveyor. The rail at the left connects with an inclined conveyor.

- Bolt each rail to the upper bend in two places. Notice that the end rails have overlap tabs; the center rail is longer and does not have overlap tabs.

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**CAUTION:** Make certain that each section of side guide overlaps the adjoining downstream section on the inside (toward the center of the conveyor). Otherwise product may catch and become damaged or disoriented.

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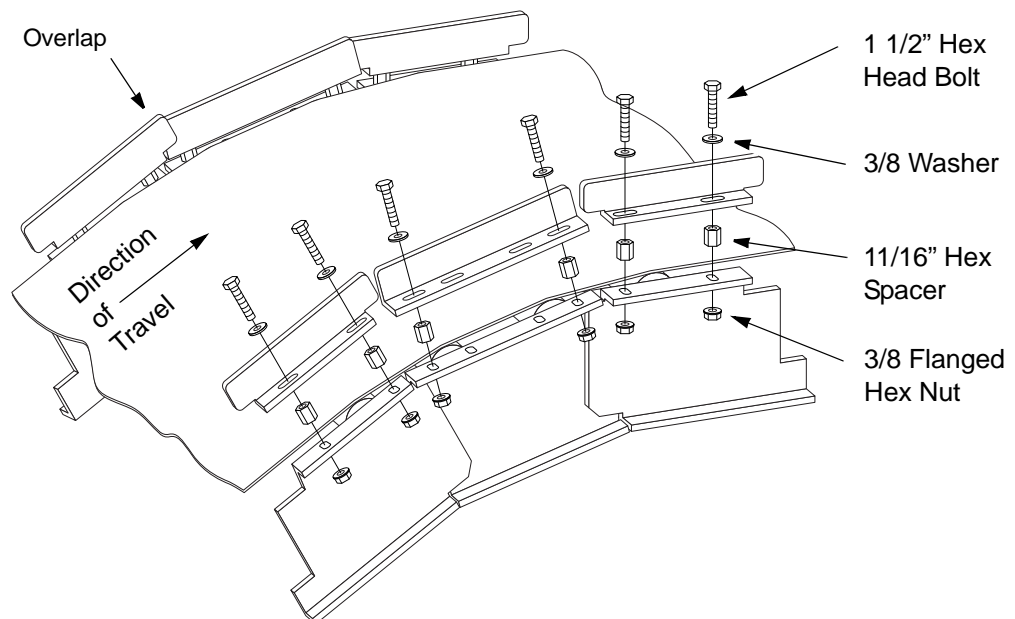


Figure G - 18 Upper Bend Unit with 1 3/4" Angle Side Guides, Spaced Mounting

## Mounting Upper Bend Angle Guides

The hardware required to install upper bend angle side guides is included with the side guides. Figure G - 18 shows spaced mounting. See Figure G - 9, Figure G - 11 and Figure G - 12 for examples of direct and offset mounting.

**Straight Channel Guides - (2 5/8", 7", 10")**

The 2 5/8" channel guides, 7" channel guides, and 10" channel guides may be plain-faced or wheel-faced.

Channel side guides are attached to the conveyor body at four places. They are coupled to the adjoining side guide at the underside of the top flange and at the bottom of the guide (using a flat and the necessary bolts and washers).

Figure G - 19 shows a 2 5/8" channel side guide; the dimensions for 7" channel guide and 10" channel guide are also indicated.

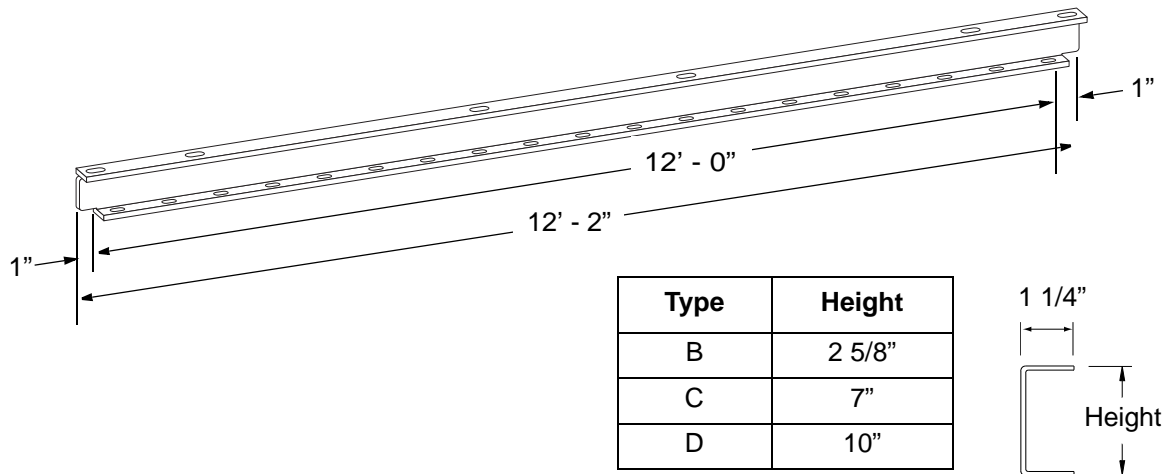


Figure G - 19 Channel Side Guide; 2 5/8" Channel

## Direct Mounting

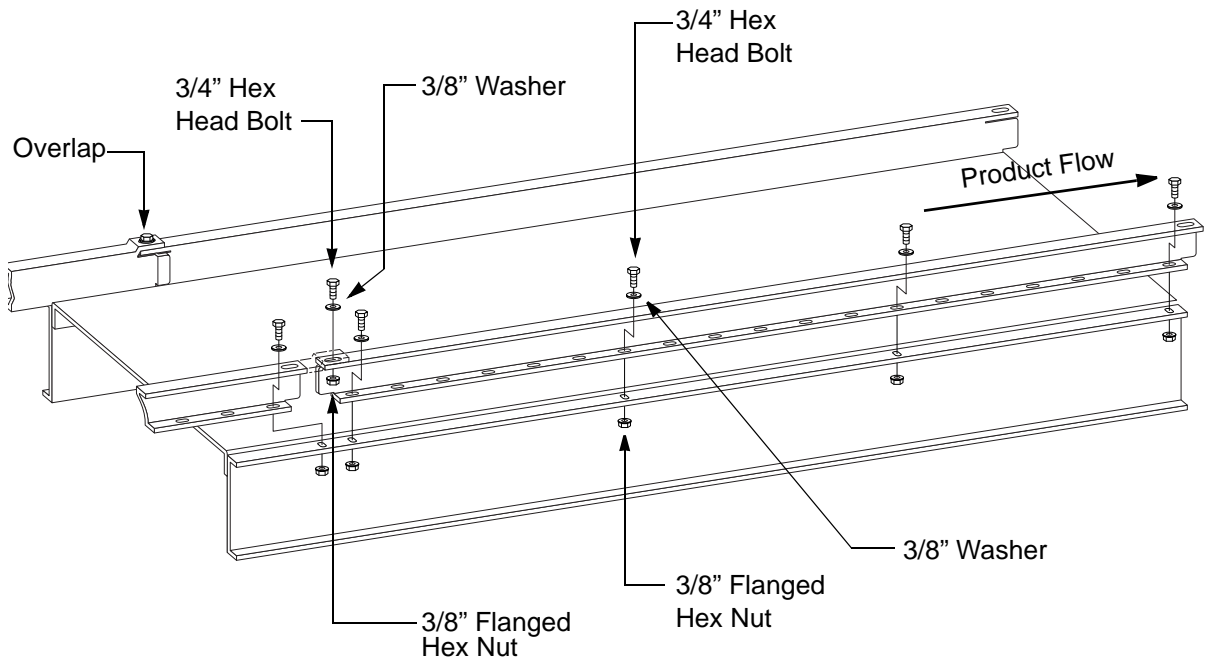
The direct mounting kit (Style A, part number 633990) provides all the hardware needed to mount one plain 12' straight channel side guide.

- Bolt the side guide to the frame in four locations (see Figure G - 20).

---

**CAUTION:** Make certain that each section of side guide overlaps the adjoining downstream section on the inside (toward the center of the conveyor). Otherwise product may catch and become damaged or disoriented.

---



See "Mounting Kits" and following topics for part descriptions and additional instructions.

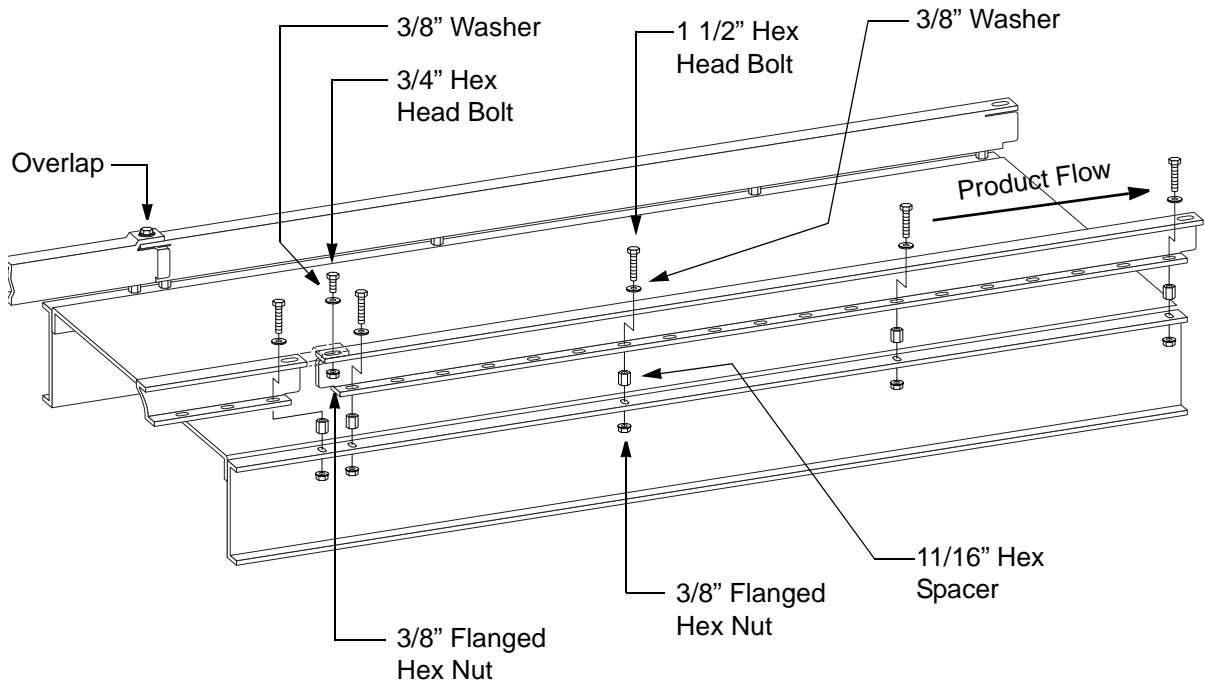
Figure G - 20 Channel Side Guides, 2 5/8" Channel Shown, Direct Mounting

## Spaced Mounting

The spaced mounting kit (Style B, part number 633991) provides all the hardware needed to mount one plain 12' straight channel side guide.

- Bolt the side guide to the frame, with a spacer, in four locations (see Figure G - 21).

**CAUTION:** Make certain that each section of side guide overlaps the adjoining downstream section on the inside (toward the center of the conveyor). Otherwise product may catch and become damaged or disoriented.



See "Mounting Kits" and following topics for part descriptions and additional instructions.

Figure G - 21 Channel Side Guides, 2 5/8" Channel Shown, Spaced Mounting

## Offset Mounting

In offset mounting, the side guide is bolted to the bracket, and the bracket is bolted to the body. A hex nut is used for a spacer. When the guide is set in, the hex spacer is used where it attaches to the body; when the guide is set out, the hex spacer is used where the bracket attaches to the side guide.

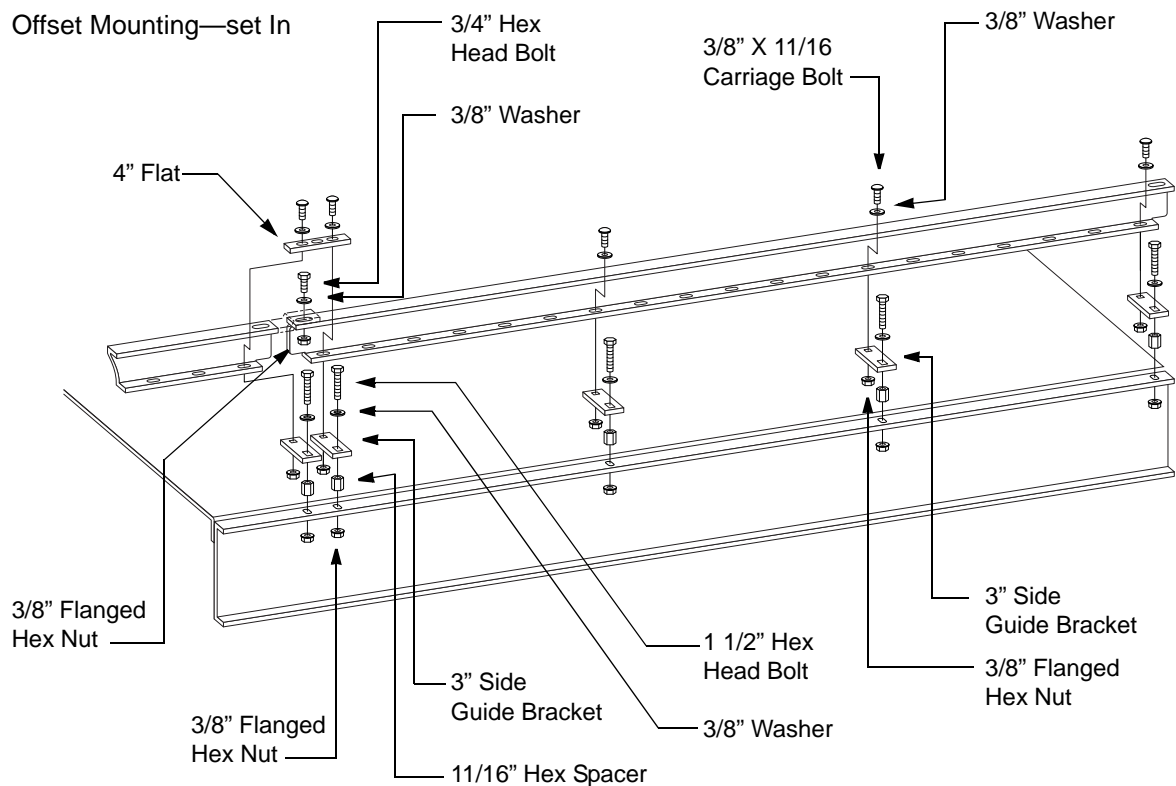
The offset mounting kit (Style C, part number 633992) provides all the hardware needed to mount one plain 12' straight channel side guide, either set in or set out.

- Bolt the side guide to the frame in four locations (see Figure G - 22 and Figure G - 23).

---

**CAUTION:** Make certain that each section of side guide overlaps the adjoining downstream section on the inside (toward the center of the conveyor). Otherwise product may catch and become damaged or disoriented.

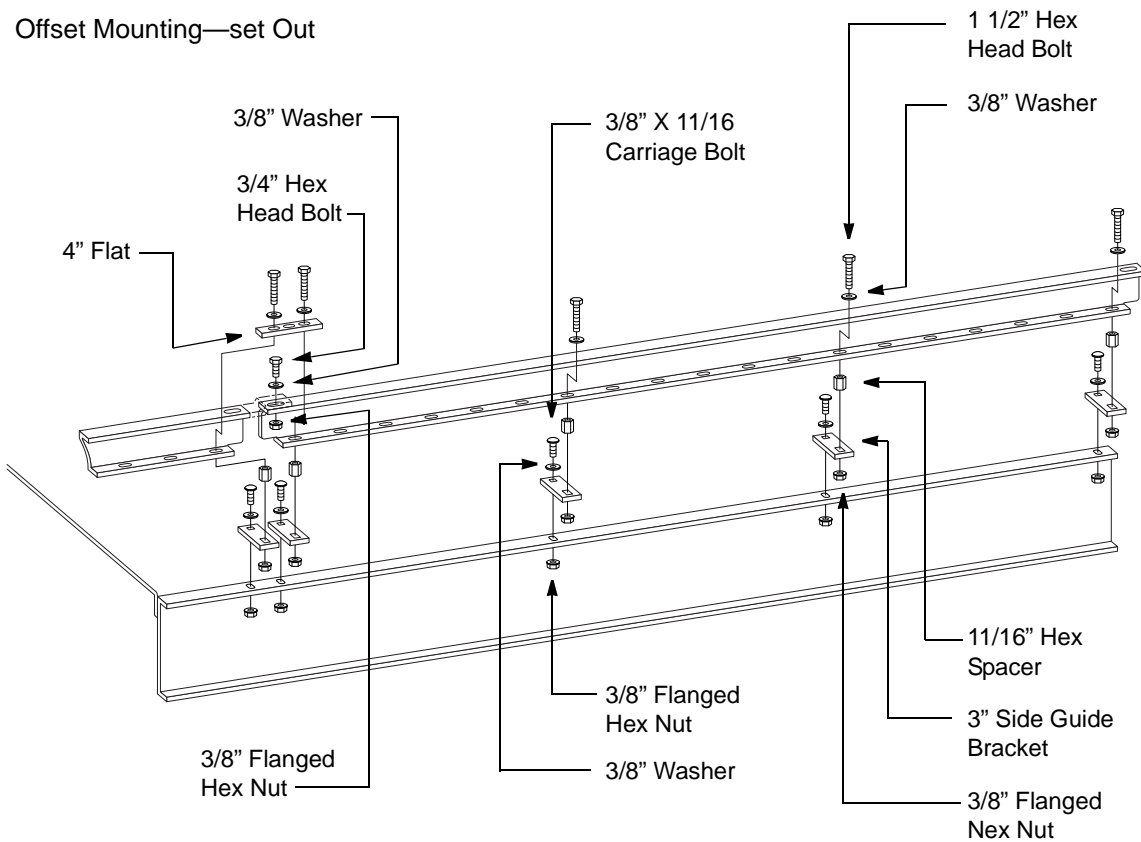
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See “Mounting Kits” and following topics for part descriptions and additional instructions.

Figure G - 22 Channel Side Guides (2 5/8" Shown) Offset Mounting - Set In





See "Mounting Kits" and following topics for part descriptions and additional instructions.

Figure G - 23 Channel Side Guides (2 5/8" Shown) Offset Mounting - Set Out

### Curved Channel Guides - (2 5/8", 7", 10")

Any curved side guide rail — 90°, 60°, 45°, or 30° — can be mounted using the direct, spaced, or offset mounting style. Figure G - 24 shows a 2 5/8" channel side guide with a 90° curve.

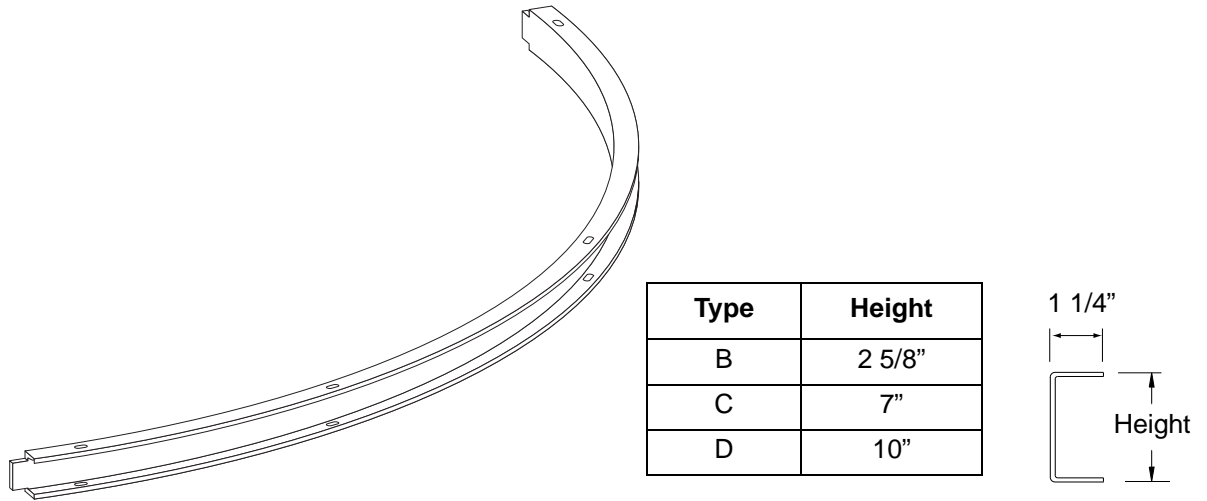


Figure G - 24 90° Curve Side Guide

The direct mounting kit (Part No. 633990) provides the hardware for channel side guide curves using direct mounting.

The spaced mounting kit (Part No. 633991) provides the hardware for channel side guide curves using spaced mounting. (The channel side guide curve using spaced mounting is not shown; refer to Figure G - 22 for an example of spaced mounting.)

The offset mounting kit (Part No. 633992) provides the hardware for channel side guide curves using offset mounting. (The channel side guide curve using offset mounting is not shown; refer to Figure G - 22 and Figure G - 23 for examples of offset mounting.)

## Mounting Curved Channel Guides

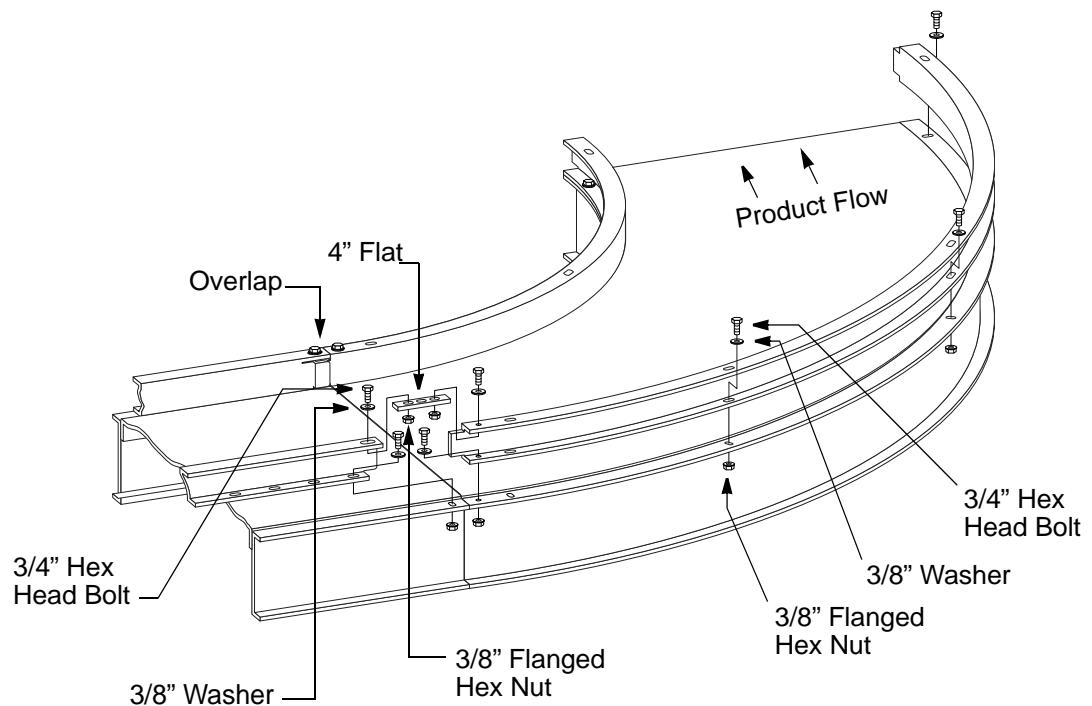
The angle of a curve affects the length of the guide rail; the length is also affected by such factors as:

- The width of the conveyor
- Whether the curve is a True Taper or a 2' - 6" IR curve

The length of the side guide may affect the number of mounting locations.

1. Bolt the outside of a 90° side guide to the frame in four locations.
2. Bolt the inside of a 90° side guide to the frame in three locations (see Figure G - 25).

**CAUTION:** Make certain that each section of side guide overlaps the adjoining downstream section on the inside (toward the center of the conveyor). Otherwise product may catch and become damaged or disoriented.



See "Mounting Kits" and following topics for part descriptions and additional instructions.

Figure G - 25 Channel Side Guide 90° Curve, 2 5/8" Channel Shown, Direct Mounting

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## Power Feeder Channel Guides - (2 5/8", 7", 10")

Side guides can be attached to incline, decline, and reversing power feeders.

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**CAUTION:** It is important to observe proper mounting procedures so product does not catch where the edges of the side guides overlap. See Figure G - 26, Figure G - 27, and Figure G - 28 for information about proper overlap for incline, decline, and reversing power feeders.

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### Direct Mounting

The direct mounting kit (part number 633990) provides the hardware needed to mount one side guide to a power feeder.

1. Bolt the long side guide to the frame in three locations.
2. Bolt the short guide in two locations.

Direct mounting of power feeder side guides is not shown; see Figure G - 20 for a channel side guide mounted using direct mounting.

See Figure G - 26, Figure G - 27, and Figure G - 28 for information about proper overlap for incline, decline, and reversing power feeders.

### Spaced Mounting

The spaced mounting kit (part number 633991) provides the hardware needed to mount one side guide to a power feeder.

1. Bolt the long side guide to the frame, with a spacer, in three locations.
2. Bolt the short guide in two locations.

See Figure G - 26, Figure G - 27, and Figure G - 28 for information about proper overlap for incline, decline, and reversing power feeders.

### Offset Mounting

The spaced mounting kit (part number 633991) provides the hardware needed to mount one side guide to a power feeder.

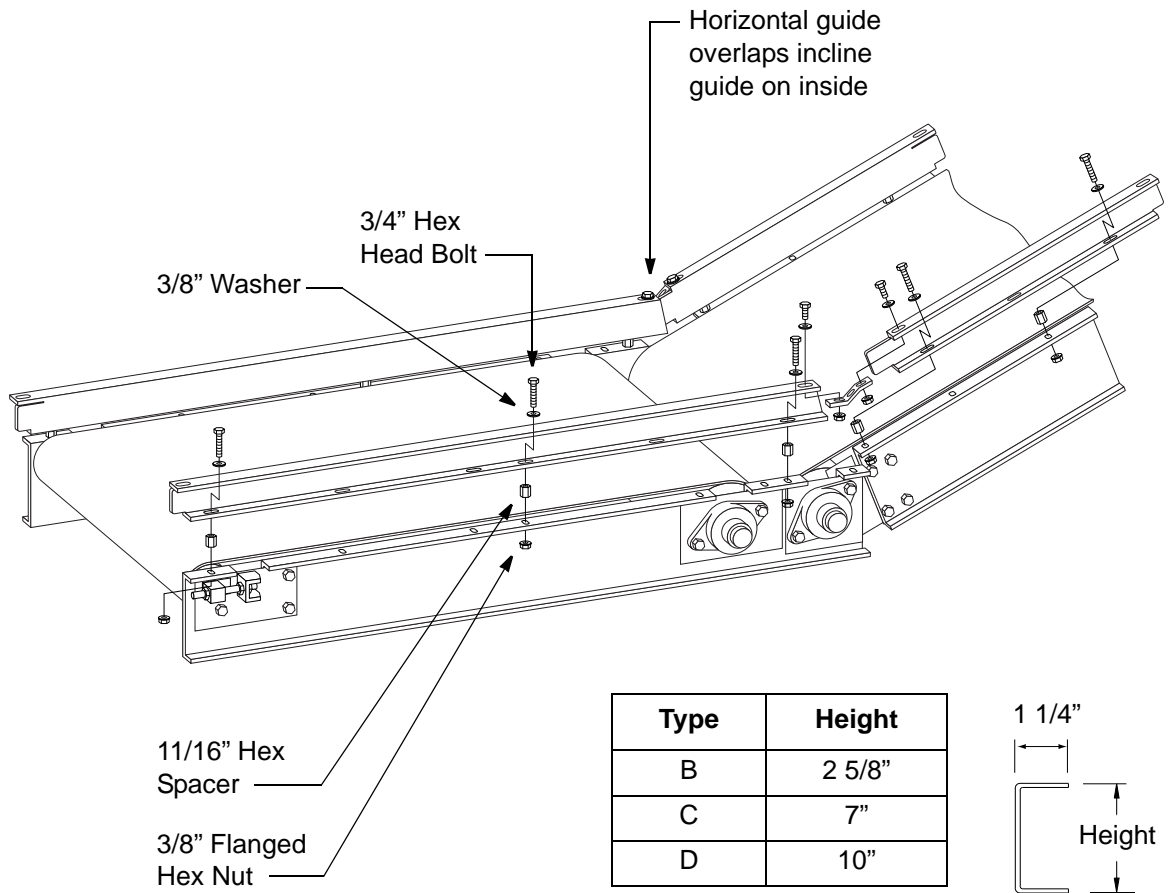
1. Bolt the long power feeder side guide rail to the conveyor body at three places.
2. Bolt the short power feeder side guide rail to the conveyor body at two places.

Offset mounting of power feeder side guides is not shown; see Figure G - 22 for a channel side guide mounted using direct mounting.

See Figure G - 26, Figure G - 27, and Figure G - 28 for information about proper overlap for incline, decline, and reversing power feeders.

## Inclined Power Feeders

**CAUTION:** Mount inclined power feeder side guides with the horizontal side guide overlapping the incline side guide on the inside so that products moving up the conveyor do not catch the overlapping rail (see Figure G - 26).

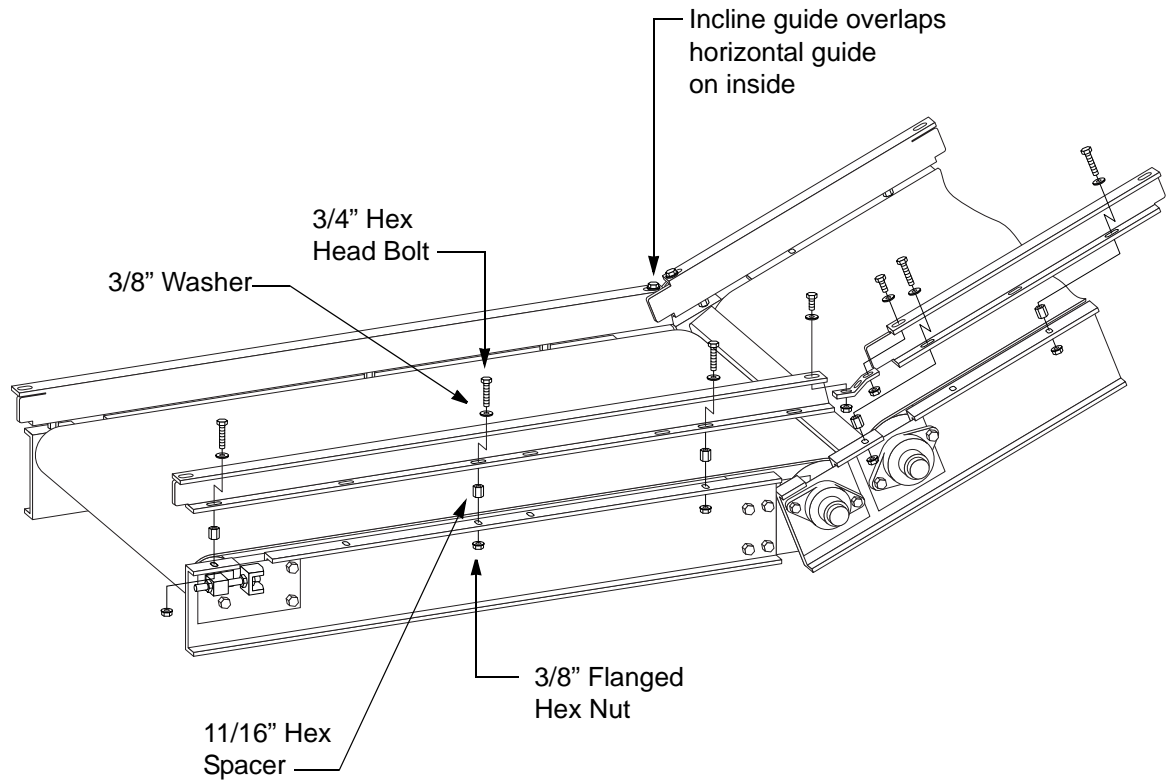


See "Mounting Kits" and following topics for part descriptions and additional instructions.

Figure G - 26 Power Feeder, Inclined, with 2 5/8" Channel Side Guides; Spaced Mounting

## Declined Power Feeders

**CAUTION:** Mount declined power feeder side guides with the incline side guide overlapping the horizontal side guide on the inside so that products moving down the conveyor do not catch the overlapping rail (see Figure G - 27).

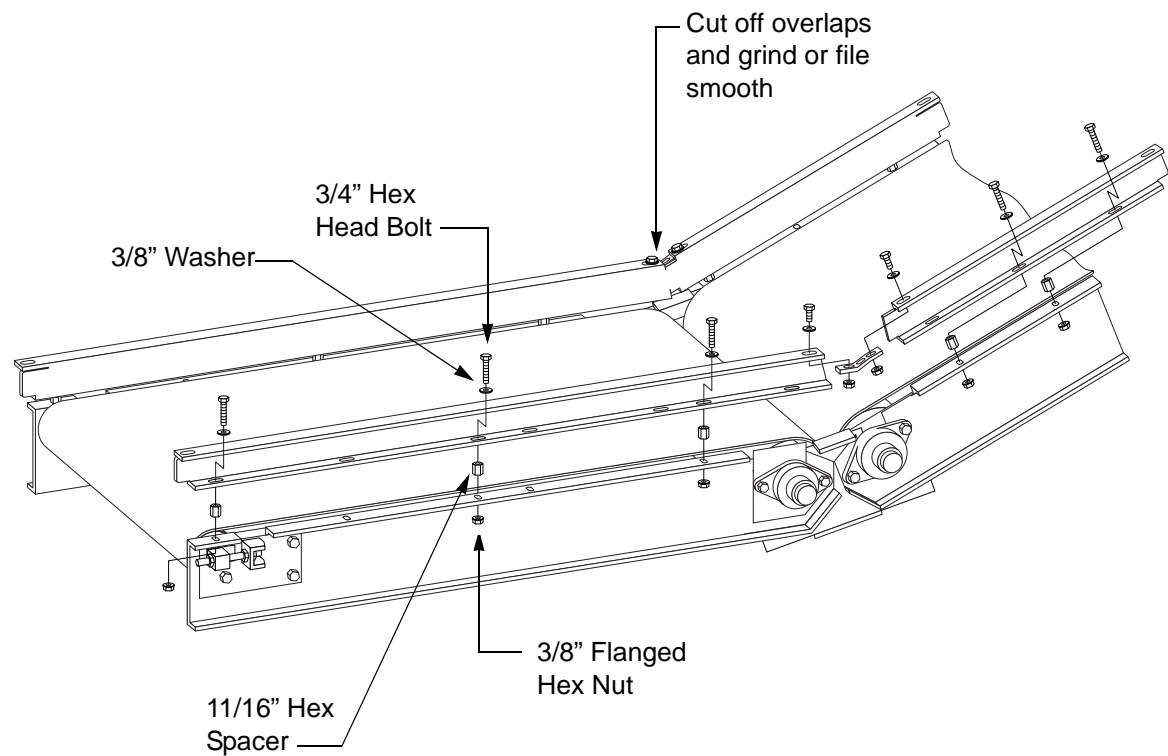


See "Mounting Kits" and following topics for part descriptions and additional instructions.

Figure G - 27 Power Feeder, Declined, with 2 5/8" Channel Side Guides; Spaced Mounting

## Reversing Power Feeders

**CAUTION:** Mount reversing power feeder side guides with no overlaps where the horizontal side guides meet the inclined side guides; the overlaps are cut off and the edges are ground or filed smooth (see Figure G - 28).



See "Mounting Kits" and following topics for part descriptions and additional instructions.

Figure G - 28 Power Feeder, Reversing, with 2 5/8" Channel Side Guides; Spaced Mounting

## Upper Bend Channel Guides - (2 5/8", 7", 10")

The upper bend unit provides the curved transition between an inclined section and a horizontal section. The upper bend consists of two end rails and a center rail. Figure G - 29 shows an upper bend unit with 2 5/8" channel side guides. In the illustration, the rail at the right connects with a horizontal conveyor. The rail at the left connects with an inclined conveyor.

- Bolt each rail to the upper bend in two places. Notice that the end rails have overlap tabs; the center rail is longer and does not have overlap tabs.

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**CAUTION:** Make certain that each section of side guide overlaps the adjoining downstream section on the inside (toward the center of the conveyor). Otherwise product may catch and become damaged or disoriented.

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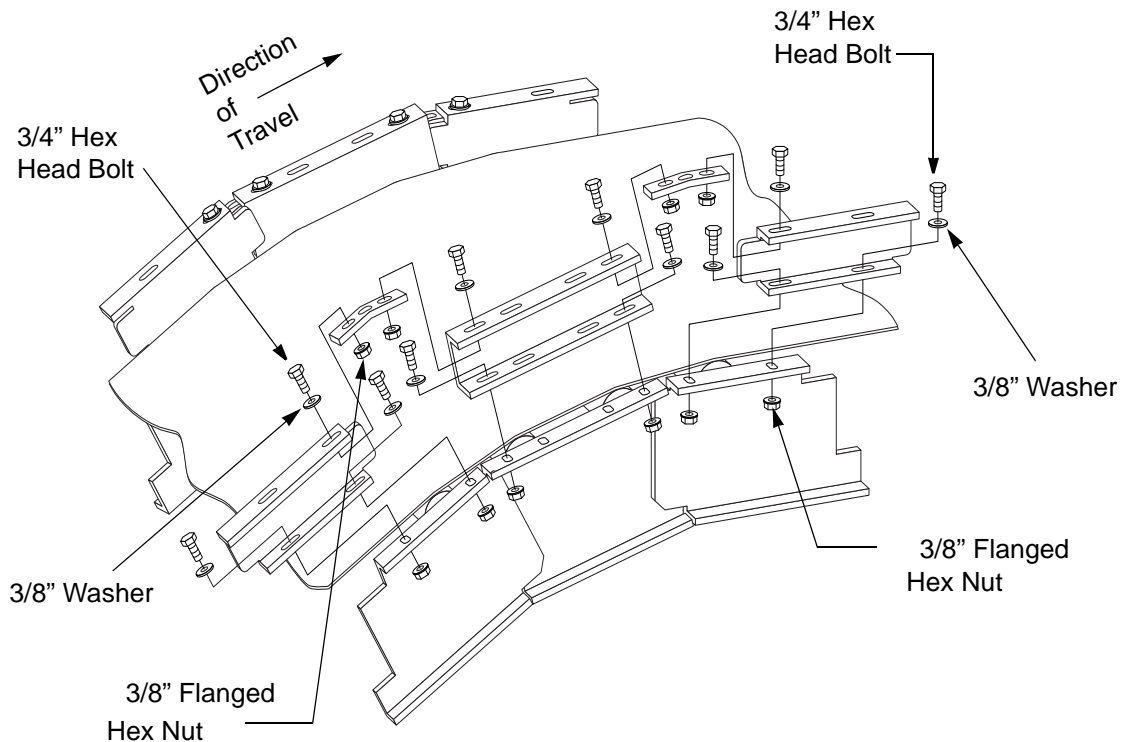


Figure G - 29 Upper Bend Unit with Channel Side Guides, Direct Mounting

## Mounting Upper Bend Channel Guides

The hardware required to install upper bend channel side guides is included with the side guides. Figure G - 29 shows direct mounting. See Figure G - 21, Figure G - 22 and Figure G - 23 for examples of spaced and offset mounting.



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## Wheel-Face Channel Guides - (2 5/8", 7", 10")

Wheel-face channel side guides feature skate wheels that project out a fraction of an inch from the face of the rail. The wheels provide a very low friction surface against which product can move. Wheel-face channel side guides are available in 2 5/8" channel, 7" channel and 10" channel.

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**CAUTION:** Make certain that each section of side guide overlaps the adjoining downstream section on the inside (toward the center of the conveyor). Otherwise product may catch and become damaged or disoriented.

---

### Direct Mounting

The Direct Mounting (Style A) kit, part number 633990, provides all the hardware needed to mount one 6' - 0" wheelface side guide.

- Bolt the side guide to the frame in two locations. See "Straight Channel Guides - (2 5/8", 7", 10")" and "Curved Channel Guides - (2 5/8", 7", 10")" for additional information.

*Note:* In order to accommodate the skate wheel bolt heads between the side guide and the conveyor, the wheelface "bolt-to-frame" style does not mount the guide *directly* to the frame, but requires a spacer to allow offset for the skate wheel bolt heads.

### Spaced Mounting

The Spaced Mounting (Style B) kit, part number 633991, provides the hardware needed to mount one 6' - 0" wheelface side guide.

- Bolt the side guide to the frame in two locations. See "Straight Channel Guides - (2 5/8", 7", 10")" and "Curved Channel Guides - (2 5/8", 7", 10")" for additional information.

### Offset Mounting

In offset mounting, the side guide is bolted to the bracket, and the bracket is bolted to the body. A hex nut is used for a spacer. When the guide is set in, the hex spacer is used where it attaches to the body; when the guide is set out, the hex spacer is used where the bracket attaches to the side guide.

The Offset Mounting (Style C) kit, part number 633992, provides the hardware needed to mount one 6' - 0" wheelface side guide, either set in or set out.

1. Bolt the side guides to the conveyor body at two places.
2. Attach adjoining side guides at the underside of the top flange.
3. Connect adjoining side guides at the bottom of the guide, using a flat and the necessary bolts and washers. See "Straight Channel Guides - (2 5/8", 7", 10")" and "Curved Channel Guides - (2 5/8", 7", 10")" for additional information.

Figure G - 30 shows the 10" high wheel-face side guide. This side guide is also known by the abbreviation WFD (wheel-face 10" channel).

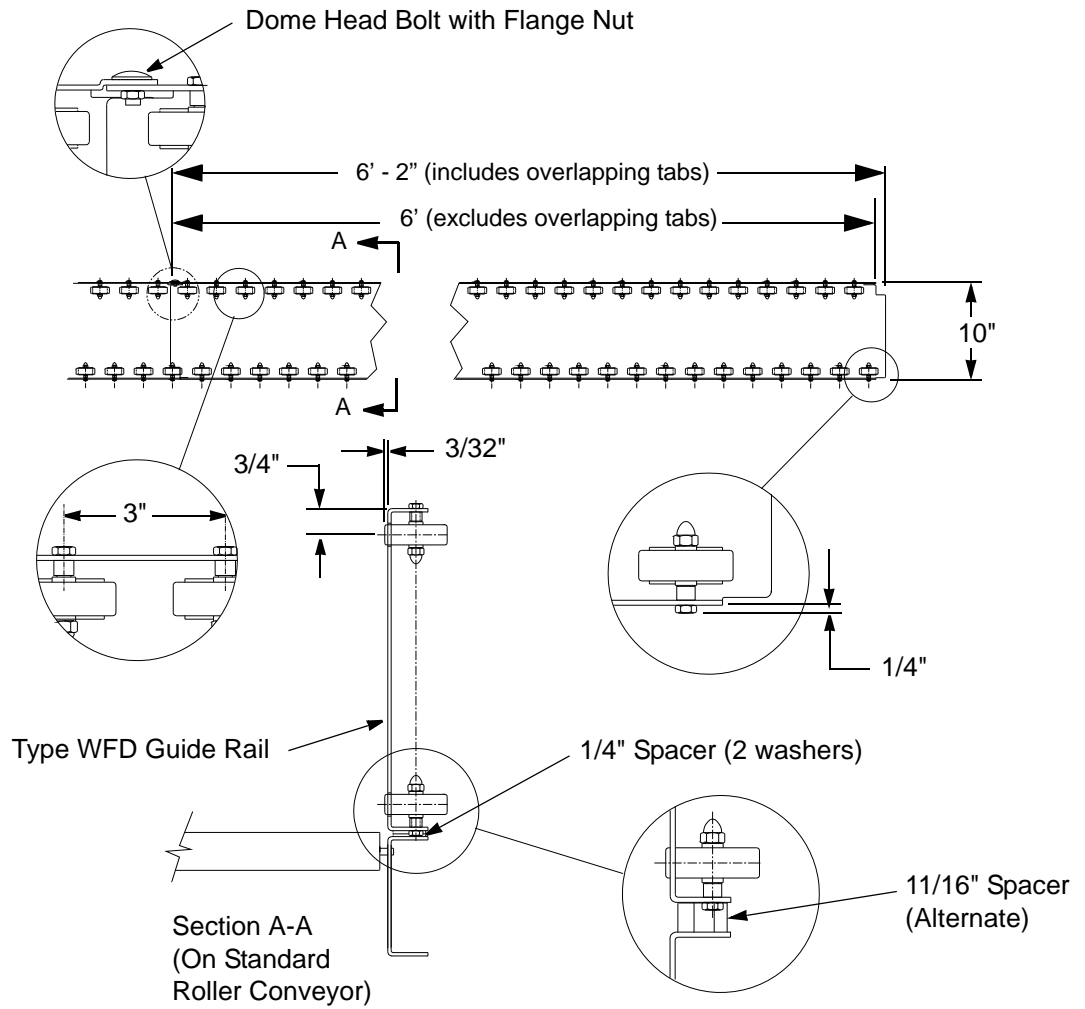


Figure G - 30 10" Wheel-Faced Side Guide

## **UHMW-Face Guides - (2 5/8", 7", 10")**

UHMW (Ultra High Molecular Weight) polyethylene is a smooth-sided white material that reduces friction on straight conveyors. UHMW-face side guides come in three heights, 2 5/8" channel, 7" channel, and 10" channel. 2 5/8" channel is shown in Figure G - 31.

UHMW-face guides can be mounted onto a conveyor using any of the three mounting methods: direct, spaced, or offset.

### **Direct Mounting**

The direct mounting kit (Style A, part number 633990) provides all the hardware needed to mount one UHMW 12' side guide (see Figure G - 31).

- Bolt the side guide to the frame in four locations.

### **Spaced Mounting**

The spaced mounting kit (Style B, part number 633991) provides all the hardware needed to mount one UHMW 12' side guide (not shown; see Figure G - 21 for an example of spaced mounting.)

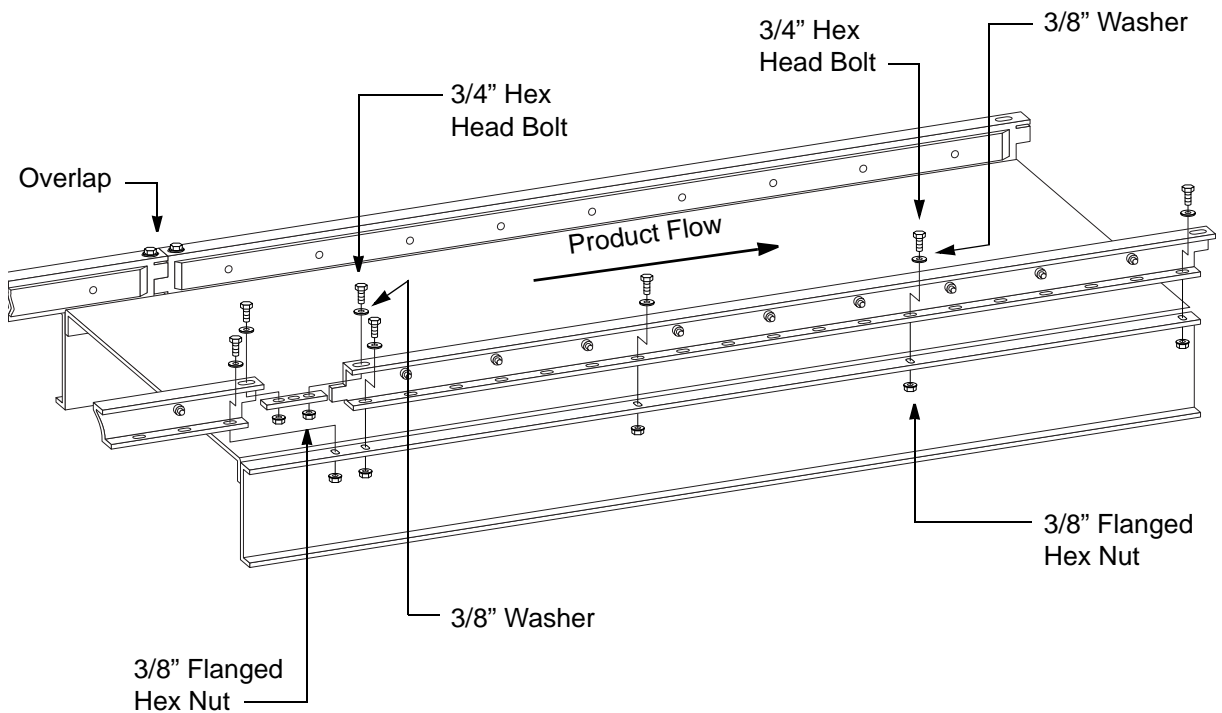
- Bolt the side guide to the frame, with a spacer, in four locations.

## Offset Mounting

In offset mounting, the side guide is bolted to the bracket, and the bracket is bolted to the body. A hex nut is used for a spacer. When the guide is set in, the hex spacer is used where it attaches to the body; when the guide is set out, the hex spacer is used where the bracket attaches to the side guide.

The offset mounting kit (Style C, part number 633992) provides all the hardware needed to mount one UHMW 12' side guide, either set in or set out (not shown; see Figure G - 22 and Figure G - 23 for examples of offset mounting).

1. Bolt the side guides to the conveyor body at four places.
2. Connect adjoining side guides at the underside of the top flange.
3. Connect adjoining side guides at the bottom of the guide, using a flat and the necessary bolts and washers.



See "Mounting Kits" and following topics for part descriptions and additional instructions.

Figure G - 31 UHMW-Face Side Guide, 2 5/8" Channel, Direct Mounting

## Junction Guides - (2 5/8", 7", 10")

Junction side guides facilitate the movement of product past the point where conveyors join. They may be 30° or 45°, plain-face or wheel-face.

Plain-face junction side guides are used when wheels are not needed for smooth movement of the product onto the "new" conveyor. Figure G - 32 shows a 30° plainface junction.

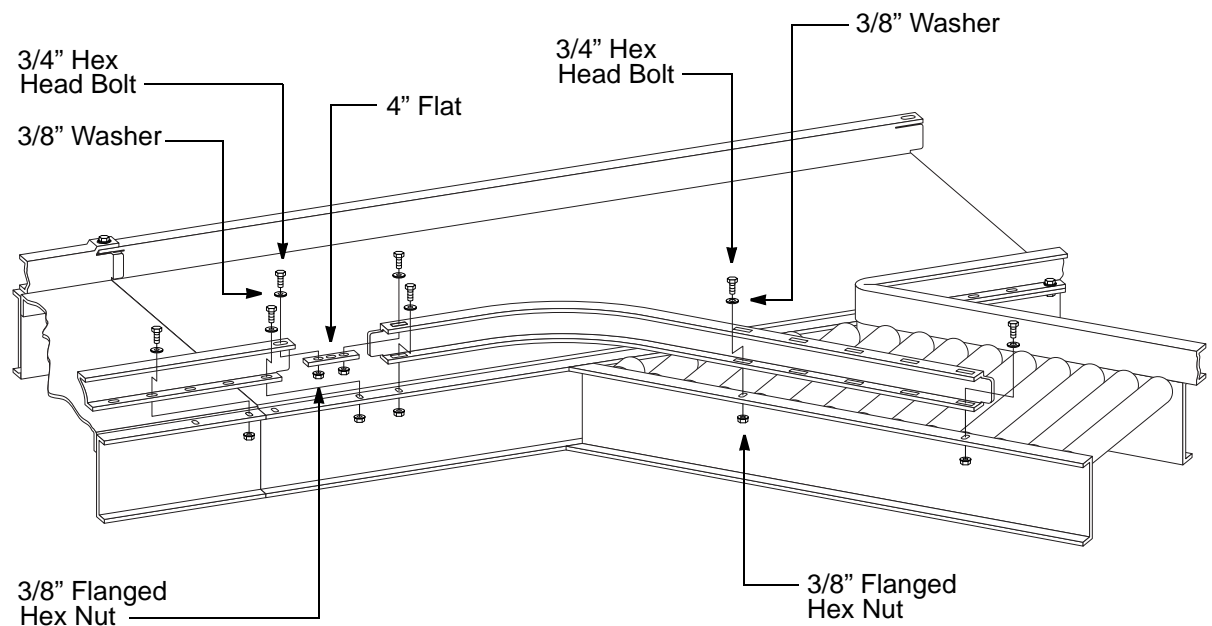
Wheel face junction side guides are used when needed to help the product move smoothly past the curve onto the "new" conveyor. Figure G - 33 shows a 45° wheelface junction.

Junction side guides are normally mounted using direct mounting or spaced mounting.

### Direct Mounting

The Direct Mounting (Style A) kit, part number 633990, provides all the hardware needed to mount one junction side guide (see Figure G - 32).

- Bolt the side guide to the frame in 3 locations.



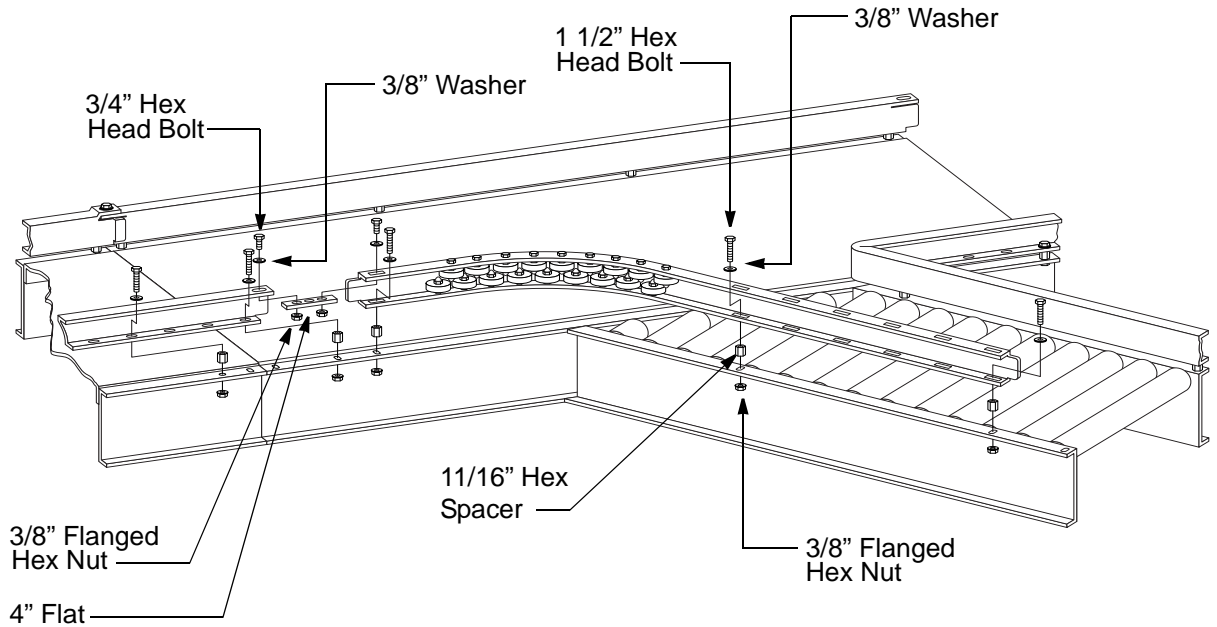
See "Mounting Kits" and following topics for part descriptions and additional instructions.

Figure G - 32 30° Junction, Plainface, 2 5/8" Channel Side Guide, Direct Mounting

## Spaced Mounting

Figure Figure G - 33 shows a junction using spaced mounting.

The Spaced Mounting (Style B) kit, part number 633991, provides all the hardware needed to mount a junction side guide in a spaced mounting style (see Figure G - 33). The side guide is bolted to the frame, with a spacer, in 3 locations.



See “Mounting Kits” and following topics for part descriptions and additional instructions.

Figure G - 33 45° Junction, Wheelface, 2 5/8" Channel Side Guide, Spaced Mounting

## Height Transition Guides

Height transition side guides slope from one height at one end to another height at the other end. These guides are available in three types, HBC (2 5/8" to 7"), HBD (2 5/8" to 10"), and HCD (7" to 10"). Each type may be mounted using direct, spaced, or offset mounting. Nine combinations of height transition type and mounting type are possible. The following three examples provide sufficient guidance for all nine combinations.

- Figure G - 34 shows type HBC (2 5/8" to 7") using direct mounting
- Figure G - 35 shows type HBD (2 5/8" to 10") using spaced mounting
- Figure G - 36 and Figure G - 37 show type HCD (7" to 10") using offset mounting

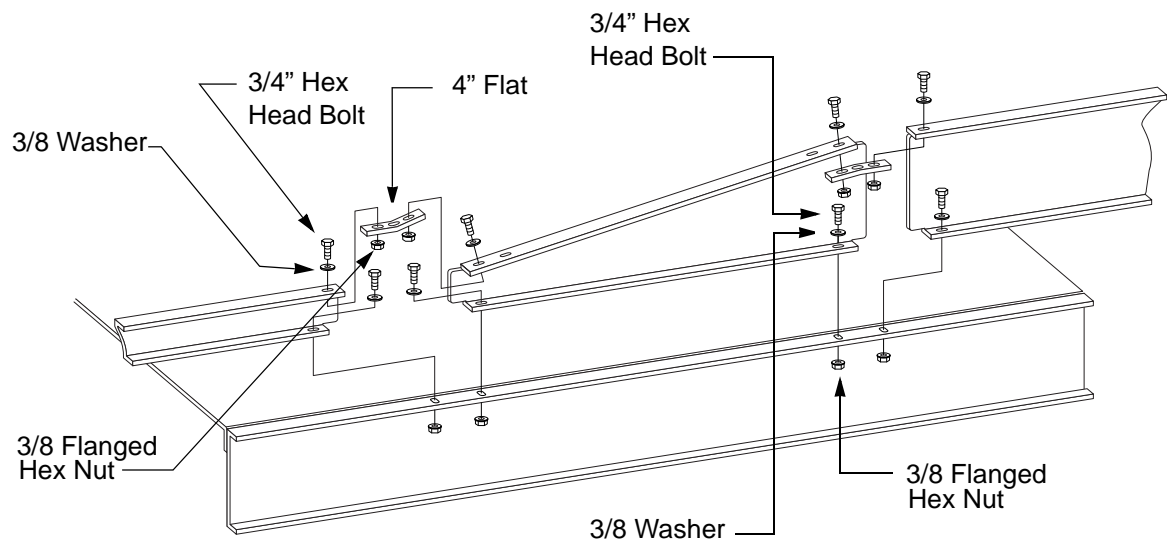
### Type HBC – 2 5/8" to 7"

Figure G - 34 shows an HBC side guide mounted (direct mounting) on one side of a conveyor. The height transition guide is coupled to a B height (2 5/8" high) guide at the lower end and a C height (7" high) guide at the higher end.

### Mounting HBC – Direct Mounting

The direct mounting kit (Style A, part number 633990) provides all the hardware needed to mount one height transition side guide (see Figure G - 34).

- Bolt the side guide to the frame at each end, as shown in Figure G - 34.



See "Mounting Kits" and following topics for part descriptions and additional instructions.

Figure G - 34 Height Transition Side Guide, 2 5/8" to 7" (Type HBC), with Direct Mounting

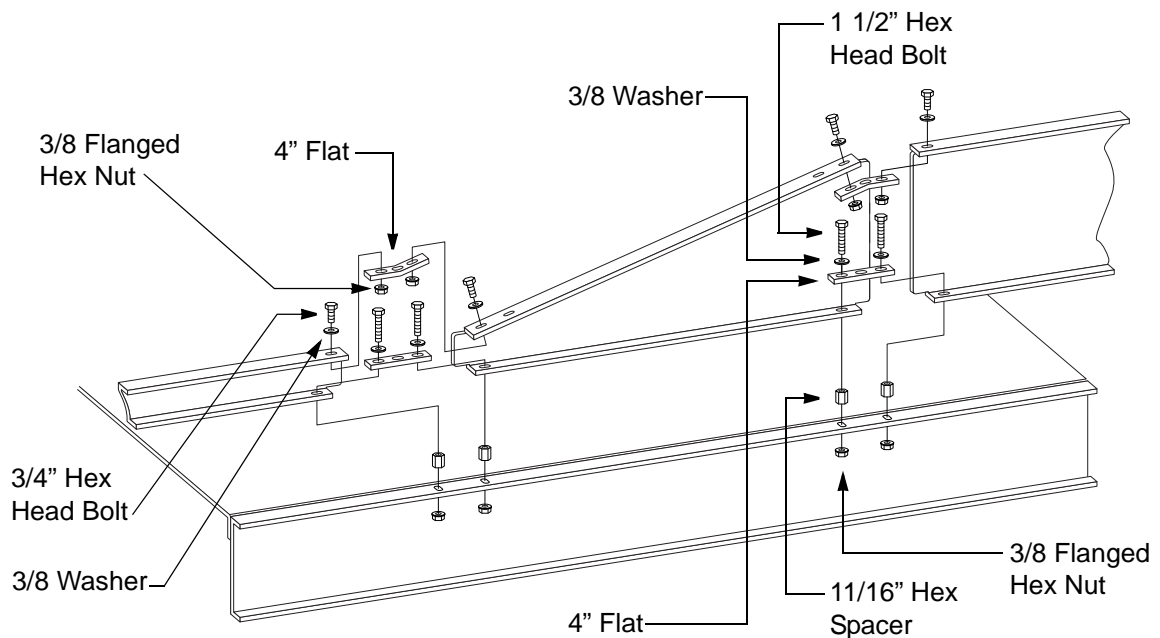
## Type HBD – 2 5/8” to 10”

Figure G - 35 shows an HBD side guide mounted (spaced mounting) on one side of a conveyor. The height transition guide is coupled to a B height (2 5/8” high) guide at the lower end and a D height (10” high) guide at the higher end.

### Mounting HBD – Spaced Mounting

The spaced mounting kit (Style B, part number 633991) provides all the hardware needed to mount one height transition side guide (see Figure G - 35).

- Bolt the side guide to the frame, with a spacer, in two locations (each end), as shown in Figure G - 35.



See “Mounting Kits” and following topics for part descriptions and additional instructions.

Figure G - 35 Height Transition Side Guide, 2 5/8” to 10” (Type HBD), using Spaced Mounting



## Type HCD – 7” to 10”

Figure G - 36 shows an HCD side guide mounted (offset mounting, set in) on one side of a conveyor. The height transition guide is coupled to a C height (7” high) guide at the lower end and a D height (10” high) guide at the higher end.

### Mounting HCD – Offset Mounting

All height transition side guides are attached to the conveyor body at two places (each end). At these locations, each transition guide is also coupled to the adjoining side guide at the bottom of the guide. In addition, the height transition guide is coupled to the adjoining guide at the underside of the top flange.

The offset mounting kit (Style C, part number 633992) provides all the hardware needed to mount a height transition side guide, either set in or set out (see Figure G - 36).

- Bolt the side guide to the frame in two locations, at each end, as shown in Figure G - 36 and Figure G - 37.

Figure G - 37 shows a magnified view of this area.

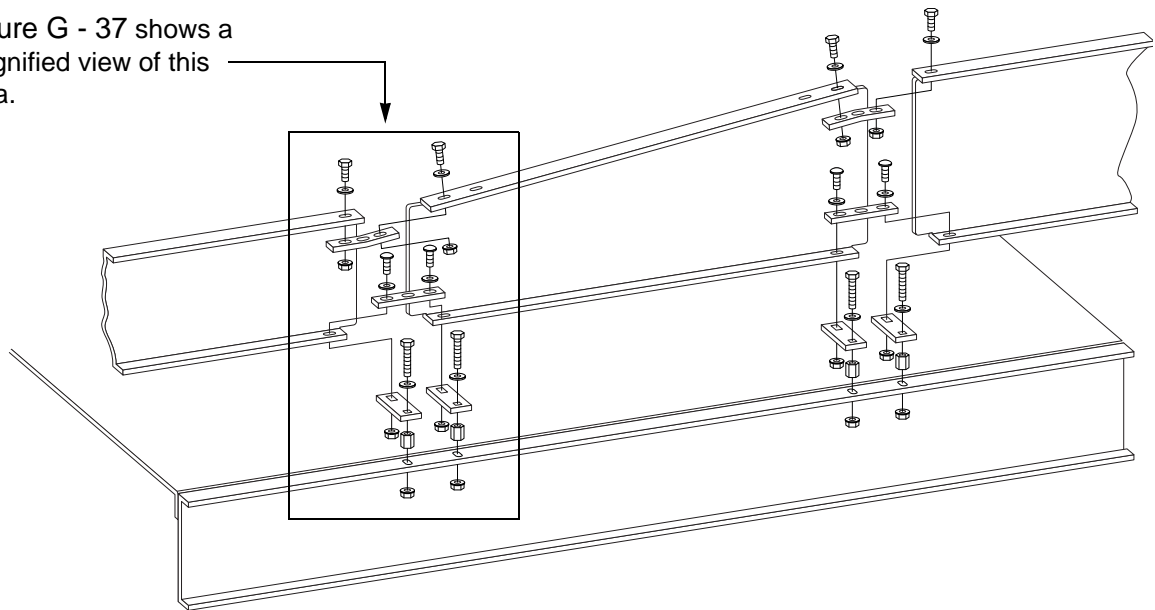
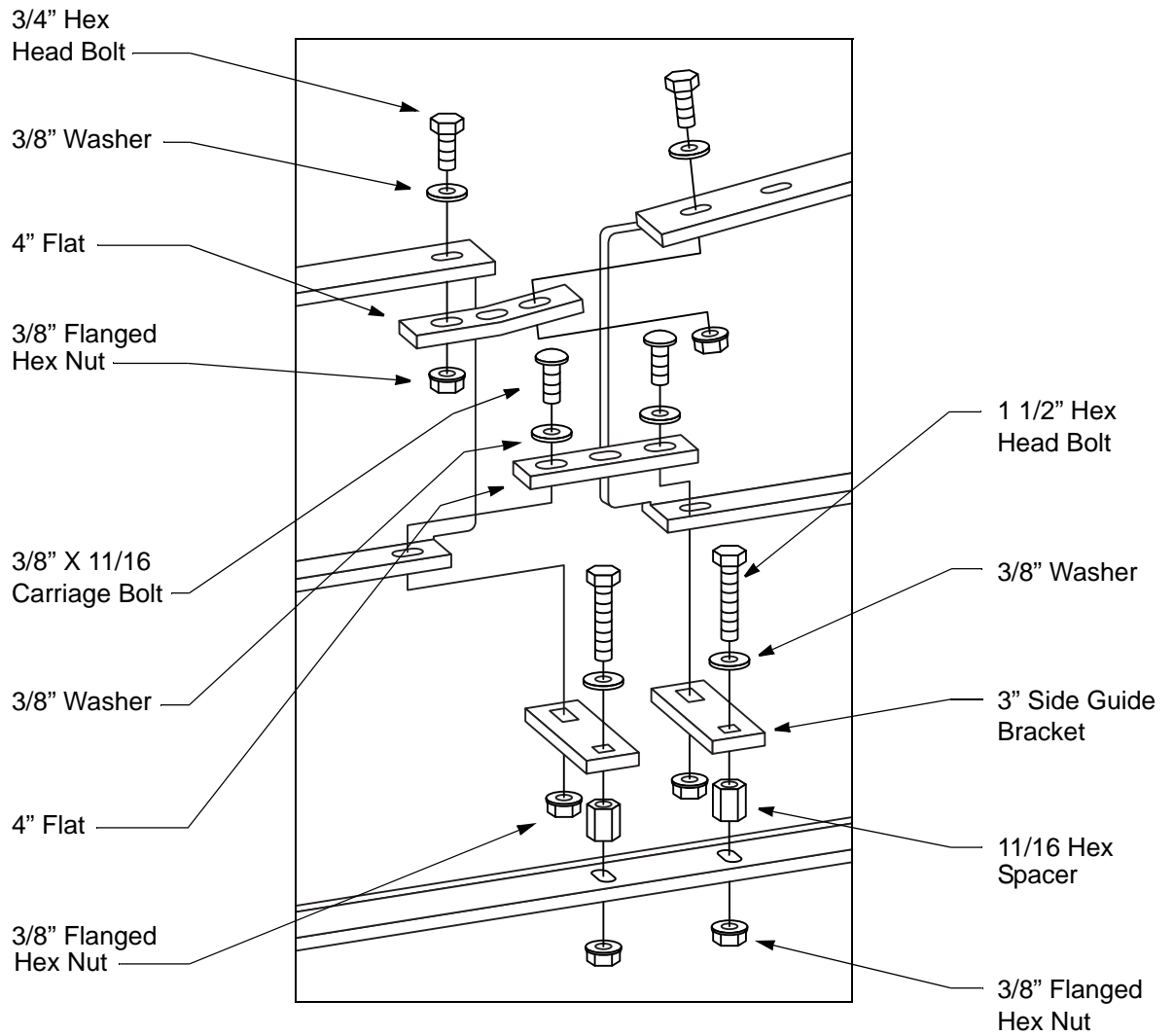


Figure G - 36 Height Transition Side Guide, 7” to 10” (Type HCD), Offset Mounting (Set In)



See "Mounting Kits" and following topics for part descriptions and additional instructions.

Figure G - 37 Height Transition Side Guide, Offset Mounting, Magnified View

## Adjustable Side Guides

### General

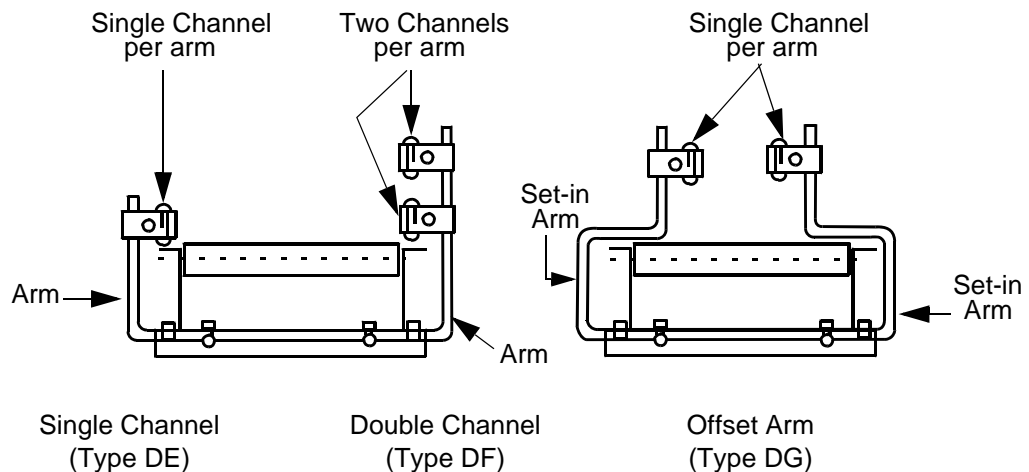
Adjustable side guides are sometimes used when:

- Products must be kept near the center of the conveyor
- Products must be visible when viewed from the side
- Product height or width changes periodically
- Products are slightly wider than the conveyor belt
- Products pass through straight sections but are too wide for curved sections

### Adjustable Side Guide Types

Adjustable side guide channels are 1 5/8" high. They are mounted on arms and can be adjusted. The three types of adjustable side guides are listed below. See Figure G - 38.

- Single channel (Type DE) – One 1 5/8" high channel set on an adjustable arm (*SGE in some abbreviations*)
- Double channel (Type DF) – Two 1 5/8" high channels set on an adjustable arm (*SGF in some abbreviations*)
- Offset Arm (Type DG) – One 1 5/8" high channel set on an adjustable set-in arm (*SGG in some abbreviations*)



\* To more effectively show the set-in arms, the guides on both sides of the conveyor are shown as Type DG.

Figure G - 38 Adjustable Side Guides

## Side Guide Heights and Widths

Table G 2 and Figure G - 39 indicate mounting arm height requirements. The dimensions are determined by the height of the conveyor channels (H), which is greater at terminal ends than at intermediate sections.

Table G 2: Adjustable Side Guide Heights

	Dimension H	Single Channel Dimension A	Double Channel Dimension B	Offset Arm Dimension C
Intermediate Section	5"	20 1/4"	27 1/4"	7"
Terminal Ends	10"	22 3/4"	29 3/4"	11 1/2"

Table G 3 and Figure G - 39 identify the range of possible widths between adjustable side guides. The arms may be placed to fit closer to the conveyor body or further away. For example, when using a single channel the width between the side guides ( $W_{SG}$ ) may range from 1" (M) less than the conveyor body width (W) to 8" (M) more than the conveyor body width (W). Note that when using offset arm guides (Type DG),  $W_{SG}$  is always less than W; it is never greater.

Table G 3: Adjustable Side Guide Widths

	Dimension H	Single Channel Dimension A	Double Channel Dimension B	Offset Arm Dimension C
Dimension M	Maximum	(+) 8"	(+) 8"	(-) 1 1/2"
	Minimum	(-) 1"	(-) 1"	(-) 9 1/2"

Width Between Side Guides ( $W_{SG}$ ) = W (Conveyor Body Width) Plus or Minus M

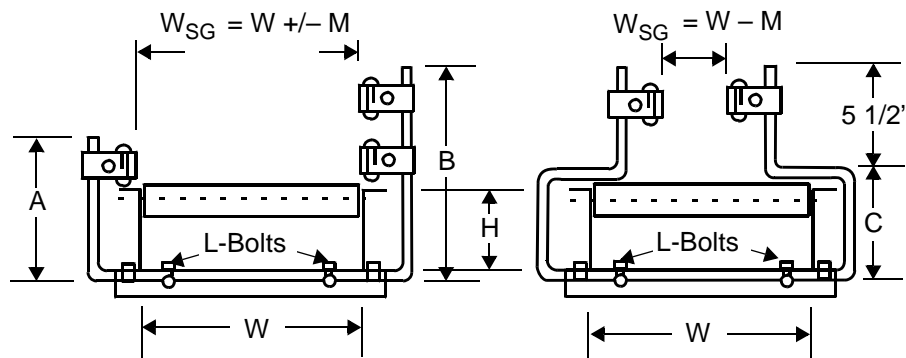


Figure G - 39 Adjustable Side Guide Dimensions

## Support Rod and Clamp Assembly

To install adjustable side guides:

1. Locate mounting angles and attach to bottom flange of conveyor frame rail. See Figure G - 40.

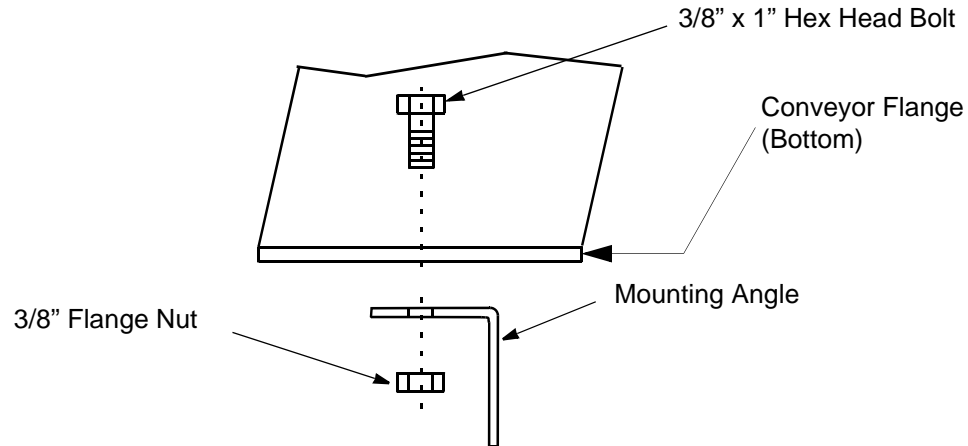


Figure G - 40 Mounting Angle Attached to Bottom Flanges

2. Assemble and secure the rod to the mounting angle at the required width (see Figure G - 41). Slip the clamp over the support rod and tighten bolt (a) at required height.
3. Attach the side guide to the clamp and tighten bolt (b) as shown in Figure G - 41.

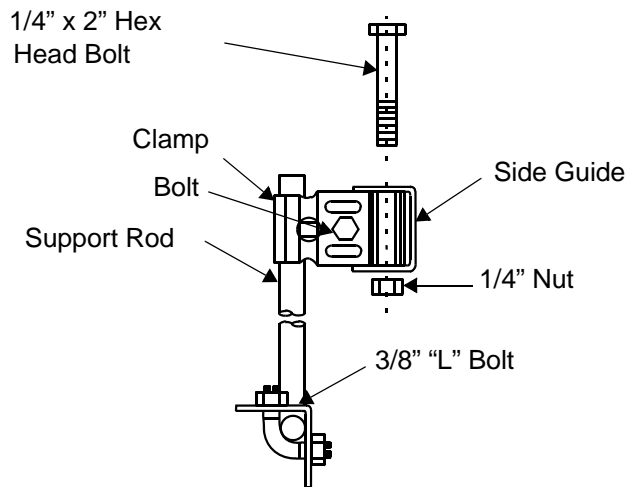


Figure G - 41 Rod Secured to Mounting Angle, Clamp Over Support Rod, Bolt Tightened

4. Follow the Splice/Connection directions below.

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## Splice/Connection

1. Overlap extension tabs of two adjoining rails (see Figure G - 42).
2. Bolt top flanges.

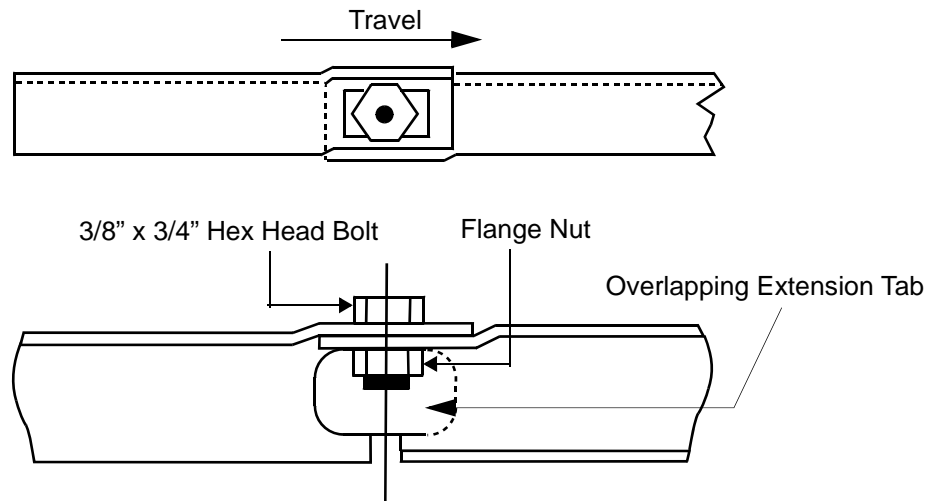


Figure G - 42 Adjoining Side Guide Hardware

## Mounting Straight Adjustable Side Guides

Straight sections of adjustable side guides are 20' long. They have a tab at each end so sections can be joined. Side guide sections must be field adjusted at power feeders, at upper bends, and near curves.

Place supports at 5' to 6' intervals (see Figure G - 43) along straight conveyor runs. It is not necessary to place supports in exactly the same position along each 20' section; just be sure to place them at intervals no greater than 5' to 6' along the entire conveyor run. Final supports are placed at the end of a conveyor regardless of the distance between the final supports and the previous supports.

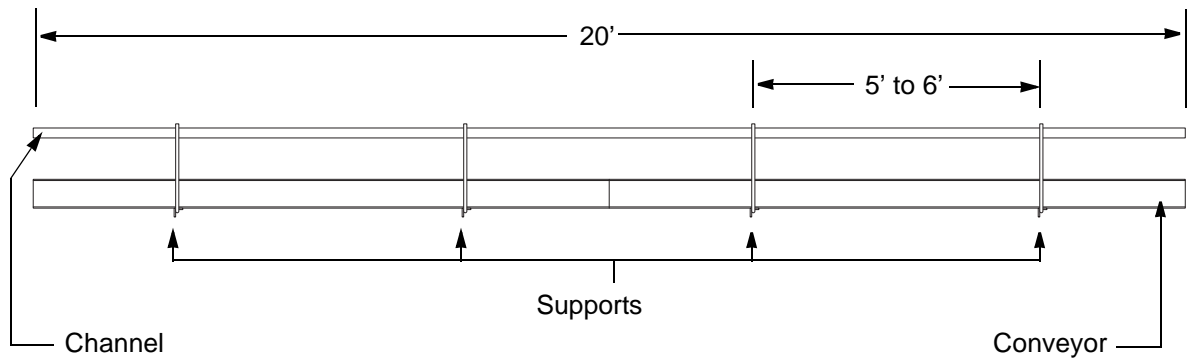


Figure G - 43 Support Spacing

## Single Channel

1. Assemble the side guides and mounting hardware as shown below.
2. Adjust the channels so they stabilize the tallest products, yet do not allow the shortest products to pass underneath. Loosen the clamps to adjust the channels vertically. Loosen the "L" bolts to adjust the support rods horizontally.

Figure G - 44 shows a single channel adjustable side guide. A portion of the conveyor is removed to reveal one of the angle crossmembers bolted to the underside of the conveyor.

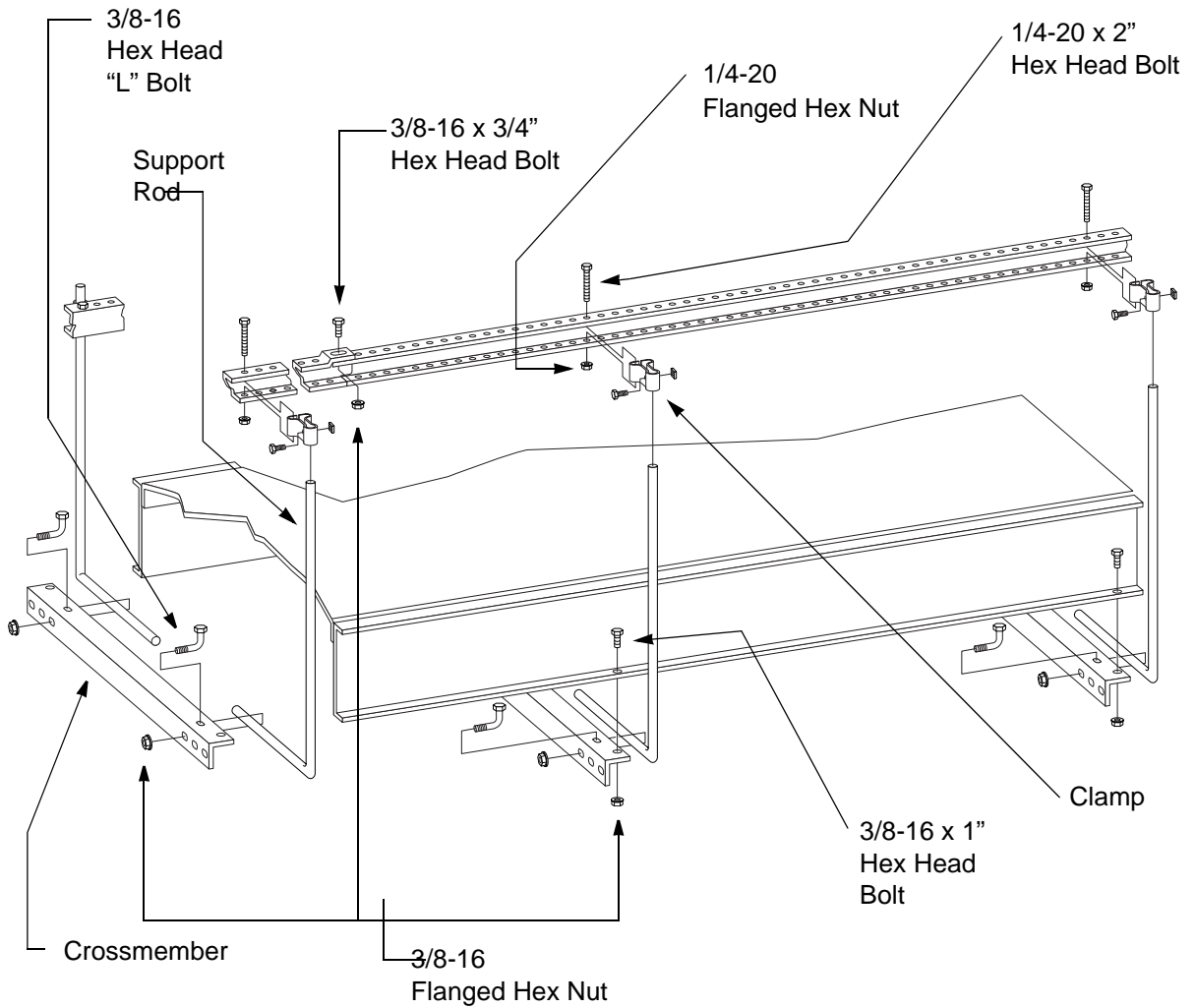


Figure G - 44 Single Channel Adjustable Side Guide (Exploded View)



**Double Channel**

1. Assemble the side guides and mounting hardware as shown below.
2. Adjust the upper channels so they stabilize tall products. Adjust the lower channels so short products do not pass underneath. Loosen the clamps to adjust the channels vertically. Loosen the "L" bolts to adjust the support rods horizontally.

Figure G - 45 shows a double channel side guide. A portion of the conveyor is removed to reveal one of the angle crossmembers bolted to the underside of the conveyor.

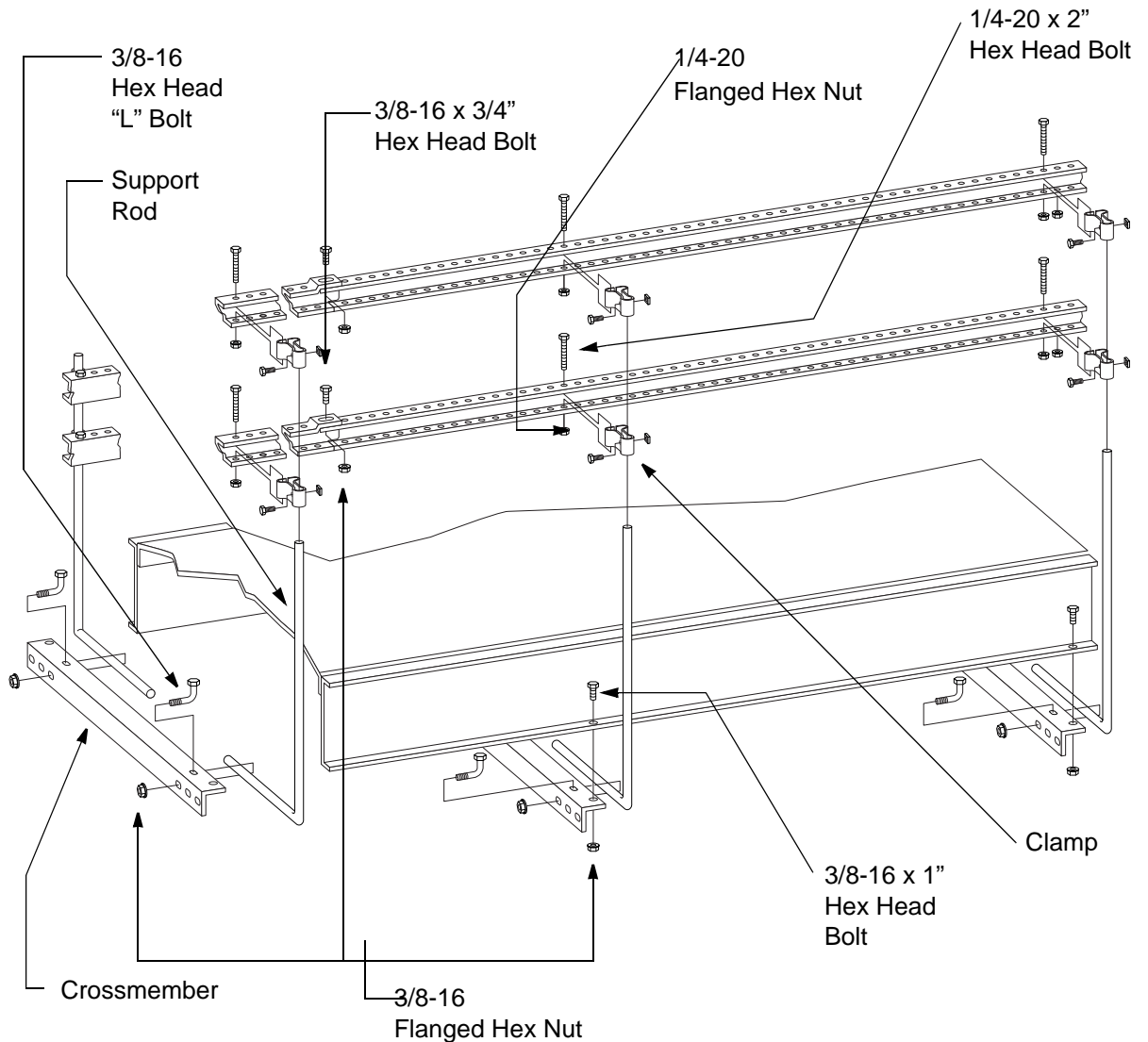


Figure G - 45 – Double Channel Adjustable Side Guide (Exploded View)

## Set-in Arm

1. Assemble the side guides and mounting hardware as shown below.
2. Adjust the channels so they stabilize the tallest products, yet do not allow the shortest products to pass underneath. Loosen the clamps to adjust the channels vertically. Loosen the "L" bolts to adjust the support rods horizontally.

Figure G - 46 shows an set-in arm adjustable side guide. A portion of the conveyor is removed to reveal one of the angle crossmembers bolted to the underside of the conveyor.

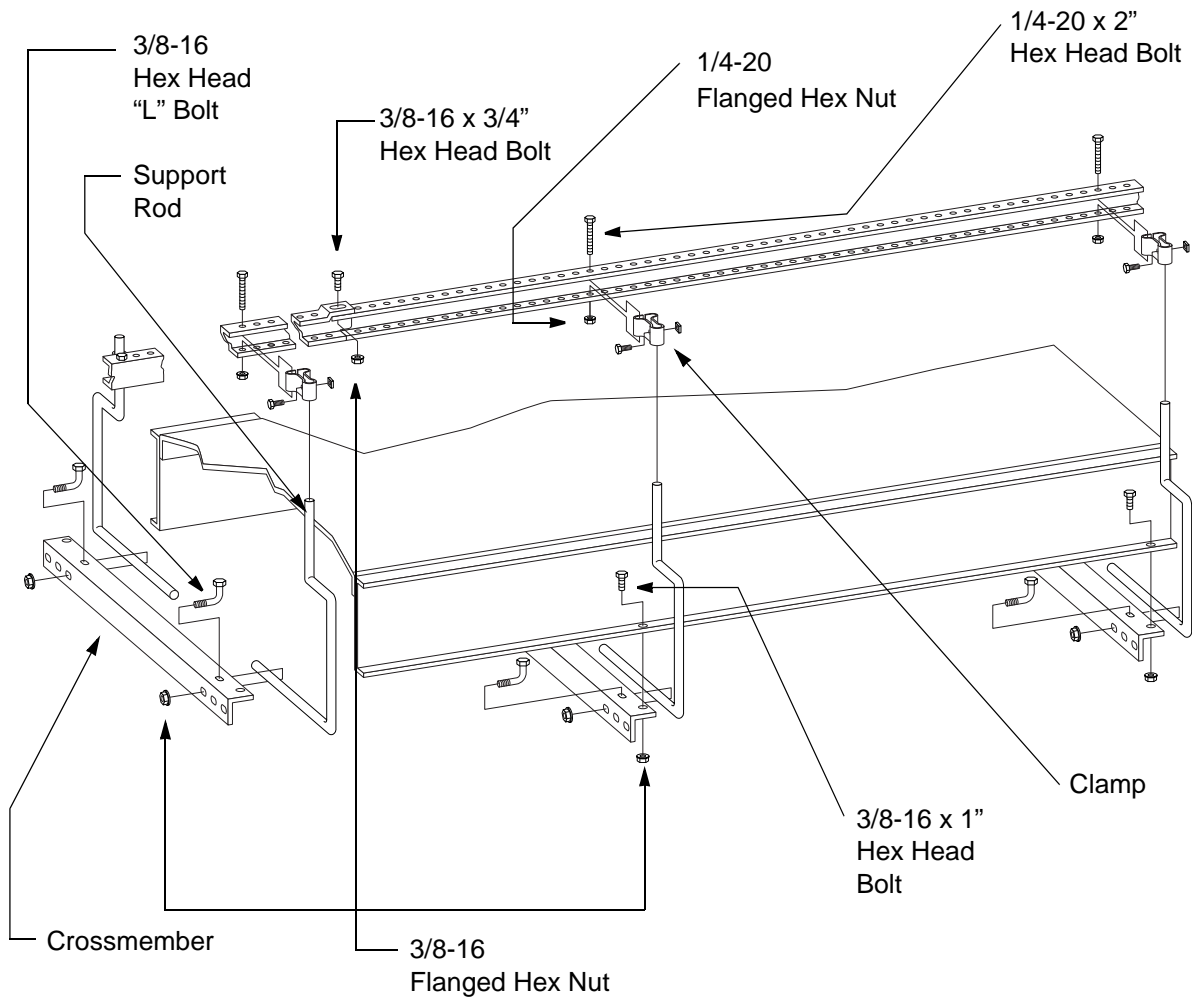


Figure G - 46 Set-in Arm Adjustable Side Guide (Exploded View)

## Mounting Curved Adjustable Side Guides

Curved sections of adjustable side guides are 30°, 45°, 60° or 90°. The standard inside radius is 2'-6" with an outside radius that varies with conveyor width. True taper curves have varying inside and outside radii.

Two supports are used in curves (see Figure G - 47). The angle crossmembers securing the supports are mounted parallel to a radial line dividing the curve in half. Note that the crossmembers are parallel to the radial line (and to each other) but do not lie along radial lines themselves.

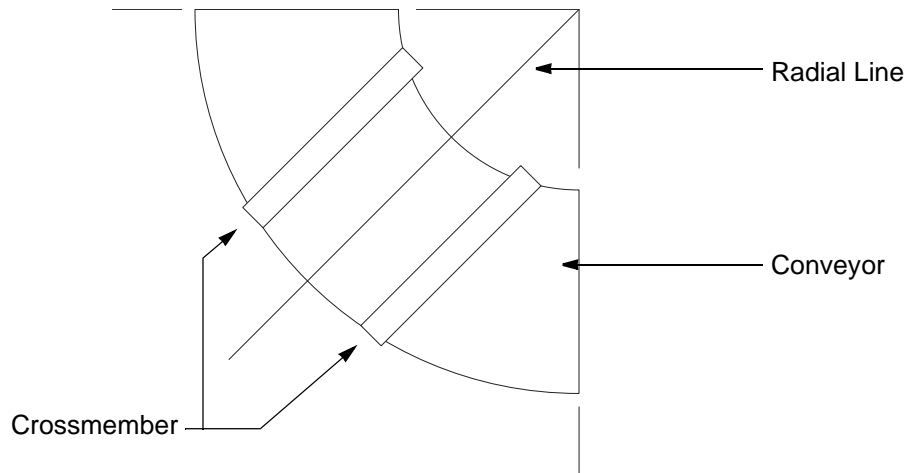


Figure G - 47 – Support Position in Curves

The preformed side guide curves may not match the radius required for side guides when using offset arms. It may be necessary to field-adjust curves in this case.

Sections of straight side guide channels must be cut to length and connected to curved sections to create S-curves.

## Curves

1. Assemble the side guides and mounting hardware as shown below.
2. Adjust the channels so they stabilize the tallest products, yet do not allow the shortest products to pass underneath. Loosen the clamps to adjust the channels vertically. Loosen the "L" bolts to adjust the support rods horizontally.

Figure G - 48 shows a curved adjustable side guide. A portion of the conveyor is removed to reveal one of the angle crossmembers bolted to the underside of the conveyor.

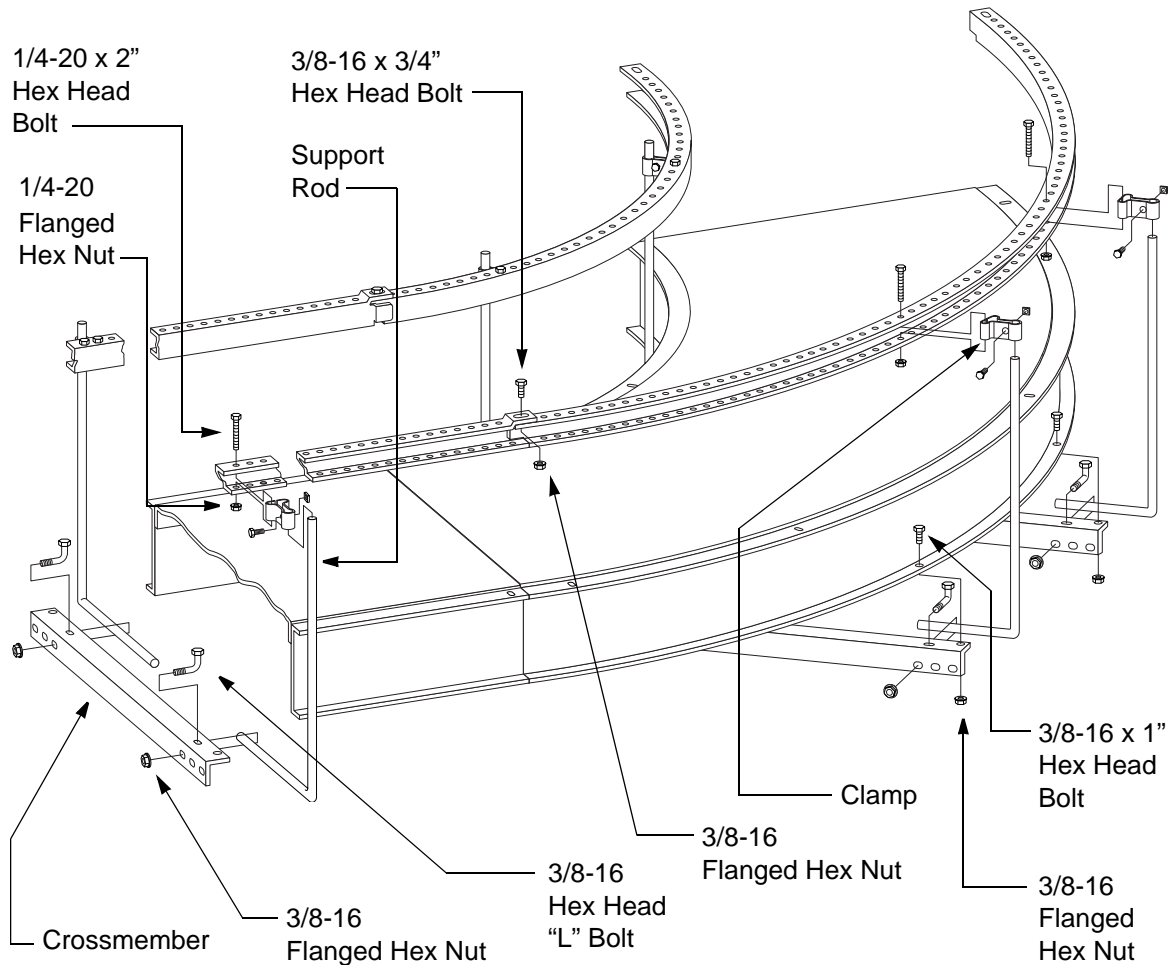


Figure G - 48 Curved Adjustable Side Guide

## Junctions

Field cutting and fitting of straight and curved side guides is required.

### Adjustable Side Guides for Power Feeders

While most side guides on power feeders are fixed, occasionally adjustable guides are needed. If adjustable side guides are used, the standard 20' rails must be cut to fit before installation.

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## SECTION H: MAINTENANCE

### Side Guides

Side guides require minimal maintenance. In your regular inspections check bolts and tighten as needed.

Check skatewheels on wheelface guides, especially if you notice that a wheel is not spinning freely. Replace as needed. See Section I, Spare Parts.

### Maintenance in the Event of Jams

If box jams occur, look for rough edges on the side guides and grind burrs as needed.

Check for incorrect overlap of adjoining side guides. Note that when two side guides are coupled, the tab of the side guide that comes first (in order of product travel) must overlap the other guide on the *inside* (belt or roller side). This allows the product to move smoothly past the overlap, not catching on the overlapping piece. If the overlap is incorrect, remove the side guides and re-mount correctly.

Jams may result in bent side guides. Fix bent guides so they are upright, allowing smooth movement of products.

Paint and smooth any chipped paint. Replace guides that cannot be fixed.

### General

The following paragraphs apply generally to all conveyors but do not take into account the characteristics of specific conveyors. Always refer to the Maintenance Section of the conveyor manual for specific conveyor information.

Recommended service checks and equipment maintenance are outlined below for typical, intermittent-duty conveyor applications. Additional maintenance and servicing schedule adjustments may be required for continuous-duty operation or extreme environmental conditions.

All newly installed equipment should be frequently inspected and serviced as needed during the first 40 hours of operation; thereafter, an appropriate maintenance program should be established and followed (see "Scheduled Maintenance", on page H - 2,).

Maintaining separate service log sheets on each type of conveyor is recommended for plants operating more than one shift. Each log sheet should show dates, detailed inspection service information, and the name or initials of person(s) performing the equipment inspection or service for future reference.

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**WARNING:** Before performing maintenance on a conveyor, make certain that the conveyor's power disconnect is locked in the OPEN position and tagged to prevent accidental or unexpected application of power. Do not perform maintenance while the conveyor is running unless specifically instructed to do so in your conveyor manual.

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**Note:** Other than checking the chain tension, it is NOT necessary to have the conveyor turned ON in order to perform any of the work described in the Maintenance section of your product manual. Maintenance must be performed only by qualified personnel who are trained in normal and emergency operations of the conveyor and who are knowledgeable of all safety devices, their locations, and functions.

Before restarting a conveyor:

- Remove all foreign objects from the conveyor.
- Be sure that all guards and safety devices are properly installed and working.
- Make sure that all persons are clear of the conveyor and are aware that the conveyor is about to be restarted.

## Scheduled Maintenance

Intervals indicated for performing maintenance should be considered for 8-hour-per-day operation. A specific application may subject the equipment to conditions that would require more frequent maintenance. This may best be determined by performing maintenance more frequently when the conveyor is first put into operation, and then lengthening the intervals based on experience.

Table H 1: Scheduled Maintenance

	Components	Item Check									
		Lubrication	Oil Level	Tension	Wear	Alignment	Fasteners	Set Screws	Proper Position	Physical Condition	Operation
Weekly	General Structure						X			X	X
	Safety Guards/Devices								X	X	X

## SECTION I: SPARE PARTS

### Introduction

For side guides, skate wheels (for wheelface side guides) are the only spare part that need to be available.

Keeping replacement parts on hand is necessary for a solid preventative maintenance program and to minimize the chances for extended DOWN TIME.

### Skatewheels

#### Wheelface Side Guides, Straight and Curved Sections

The skatewheels are found in all of the wheelface side guides, listed here:

- Type B (2 5/8" high channel) 6' - 0" long straight
- Type B (2 5/8" high channel) 30° junction
- Type B (2 5/8" high channel) 45° junction
- Type C (7" high channel) 6' - 0" long straight
- Type C (7" high channel) 30° junction
- Type C (7" high channel) 45° junction
- Type D (10" high channel) 6' - 0" long straight
- Type D (10" high channel) 30° junction
- Type D (10" high channel) 45° junction

Figure I - 1 shows the skatewheels set into a Type C (7" high channel) side guide.

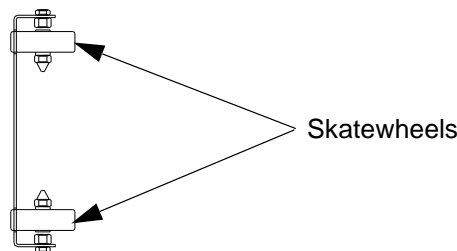


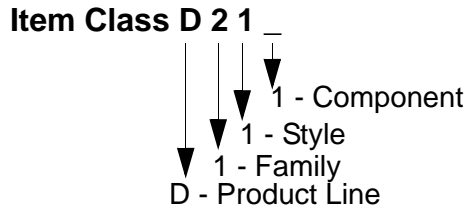
Figure I - 1 Skatewheels as Shown on Type C (7" channel) Wheelface Side Guide

Table I 1: – Skatewheels and Fasteners

PART DESCRIPTION	PART NUMBER
1.938 x 1/4" B SKTWHL YLW ZNC RC	1000422





**SECTION J: PRODUCT INDEX**
**SGA 1-3/4" Formed Angle**


DESCRIPTION	DWG. NO.	PART NO.	ITEM CLASS
SGA 1-3/4" ANGLE 12-0	22049D	634099	D212
<b>SIDE GUIDE LISTED ABOVE REQUIRES ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>			
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	D219
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	D219
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992	D219
SG HDWE SGA BOLT TO PBS	NO DWG.	633996	D219
<b>ASSEMBLIES BELOW INCLUDE HARDWARE AND BOTH SIDE GUIDES :</b>			
SGA 1-3/4" UB ASSY BOLT/FR	19375D	636900	D212
SGA 1-3/4" UB ASSY SPACER	19375D	636915	D212
SGA 1-3/4" UB ASSY OFFSET	19375D	636930	D212
SGA 1-3/4" PF ASSY 4-0 BOLT/FR	19375D	636901	D212
SGA 1-3/4" PF ASSY 4-0 SPACER	19375D	636916	D212
SGA 1-3/4" PF ASSY 4-0 OFFSET	19375D	636931	D212
SGA 1-3/4" PF ASSY 7-0 BOLT/FR	19375D	636902	D212
SGA 1-3/4" PF ASSY 7-0 SPACER	19375D	636917	D212
SGA 1-3/4" PF ASSY 7-0 OFFSET	19375D	636932	D212
SGA 1-3/4" JK ASSY BOLT/FR	19375D	636971	D212
SGA 1-3/4" JK ASSY SPACER	19375D	636972	D212
SGA 1-3/4" JK ASSY OFFSET	19375D	636973	D212
SGA 1-3/4" NO ASSY PBS BOLT/FR	19380D	636945	D212
SGA 1-3/4" NO ASSY PBR BOLT/FR	19380D	636946	D212
SGA 1-3/4" PF ASSY PBS 4-2 BOLT/FR	19380D	636947	D212
SGA 1-3/4" PF ASSY PBS 6-8 BOLT/FR	19380D	636948	D212
SGA 1-3/4" PF ASSY PBR 4-2 BOLT/FR	19380D	636949	D212
SGA 1-3/4" PF ASSY PBR 6-8 BOLT/FR	19380D	636950	D212

## SGA 90 Degree 1-3/4" Formed Angle

Item Class D 2 2 2

DESCRIPTION	DWG. NO. (NO EXT.)	PART NO. (NO EXT.)	DWG. NO. (W/11" EXT.)	PART NO. (W/11" EXT.)
SGA 1-3/4" 90 DEG IN 2-6 RAD	23549D	637000	22029D	634000
SGA 1-3/4" 90 DEG IN 3-4 RAD	23549D	637001	22029D	634001
SGA 1-3/4" 90 DEG IN 4-0 RAD	23549D	637002	22029D	634002
SGA 1-3/4" 90 DEG IN 5-0 RAD	23549D	637003	22029D	634003
SGA 1-3/4" 90 DEG OUT 10 3-4	23549D	637004	22029D	634004
SGA 1-3/4" 90 DEG OUT 16 3-10	23549D	637005	22029D	634005
SGA 1-3/4" 90 DEG OUT 22 4-4	23549D	637006	22029D	634006
SGA 1-3/4" 90 DEG OUT 28 4-10	23549D	637007	22029D	634007
SGA 1-3/4" 90 DEG OUT 34 5-4	23549D	637008	22029D	634008
SGA 1-3/4" 90 DEG OUT 40 5-10	23549D	637009	22029D	634009
SGA 1-3/4" 90 DEG OUT 22 5-2 TT	23549D	637010	22029D	634010
SGA 1-3/4" 90 DEG OUT 28 6-4 TT	23549D	637011	22029D	634011
SGA 1-3/4" 90 DEG OUT 34 7-10 TT	23549D	637012	22029D	634012
SGA 1-3/4" 90 DEG OUT 40 8-4 TT	23549D	637013	22029D	634013
SGA 1-3/4" 90 DEG OUT 12 3-6	23549D	637014	22029D	634014
SGA 1-3/4" 90 DEG OUT 15 3-9	23549D	637015	22029D	634015
SGA 1-3/4" 90 DEG OUT 21 4-3	23549D	637016	22029D	634016
SGA 1-3/4" 90 DEG OUT 27 4-9	23549D	637017	22029D	634017
SGA 1-3/4" 90 DEG OUT 33 5-3	23549D	637018	22029D	634018
SGA 1-3/4" 90 DEG OUT 39 5-9	23549D	637019	22029D	634019
SGA 1-3/4" 90 DEG OUT 21 5-1 TT	23549D	637020	22029D	634020
SGA 1-3/4" 90 DEG OUT 27 6-3 TT	23549D	637021	22029D	634021
SGA 1-3/4" 90 DEG OUT 33 7-9 TT	23549D	637022	22029D	634022
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>				
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	NO DWG.	633991
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992	NO DWG.	633992

## SGA 60 Degree 1-3/4" Formed Angle

Item Class D 2 2 2

DESCRIPTION	DWG. NO. (NO EXT.)	PART NO. (NO EXT.)	DWG. NO. (W/11" EXT.)	PART NO. (W/11" EXT.)
SGA 1-3/4" 60 DEG IN 2-6 RAD	23550D	637024	22030D	634024
SGA 1-3/4" 60 DEG IN 3-4 RAD	23550D	637025	22030D	634025
SGA 1-3/4" 60 DEG IN 4-0 RAD	23550D	637026	22030D	634026
SGA 1-3/4" 60 DEG IN 5-0 RAD	23550D	637027	22030D	634027
SGA 1-3/4" 60 DEG OUT 10 3-4	23550D	637028	22030D	634028
SGA 1-3/4" 60 DEG OUT 16 3-10	23550D	637029	22030D	634029
SGA 1-3/4" 60 DEG OUT 22 4-4	23550D	637030	22030D	634030
SGA 1-3/4" 60 DEG OUT 28 4-10	23550D	637031	22030D	634031
SGA 1-3/4" 60 DEG OUT 34 5-4	23550D	637032	22030D	634032
SGA 1-3/4" 60 DEG OUT 40 5-10	23550D	637033	22030D	634033
SGA 1-3/4" 60 DEG OUT 22 5-2 TT	23550D	637034	22030D	634034
SGA 1-3/4" 60 DEG OUT 28 6-4 TT	23550D	637035	22030D	634035
SGA 1-3/4" 60 DEG OUT 34 7-10 TT	23550D	637036	22030D	634036
SGA 1-3/4" 60 DEG OUT 40 8-4 TT	23550D	637037	22030D	634037
SGA 1-3/4" 60 DEG OUT 12 3-6	23550D	637038	22030D	634038
SGA 1-3/4" 60 DEG OUT 15 3-9	23550D	637039	22030D	634039
SGA 1-3/4" 60 DEG OUT 21 4-3	23550D	637040	22030D	634040
SGA 1-3/4" 60 DEG OUT 27 4-9	23550D	637041	22030D	634041
SGA 1-3/4" 60 DEG OUT 33 5-3	23550D	637042	22030D	634042
SGA 1-3/4" 60 DEG OUT 39 5-9	23550D	637043	22030D	634043
SGA 1-3/4" 60 DEG OUT 21 5-1 TT	23550D	637044	22030D	634044
SGA 1-3/4" 60 DEG OUT 27 6-3 TT	23550D	637045	22030D	634045
SGA 1-3/4" 60 DEG OUT 33 7-9 TT	23550D	637046	22030D	634046
SGA 1-3/4" 60 DEG OUT 39 8-3 TT	23550D	637047	22030D	634047
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>				
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	NO DWG.	633991
SG HDWE OFFSET BRKTM TG TYPE -C	NO DWG.	633992	NO DWG.	633992

## SGA 45 Degree 1-3/4" Formed Angle

Item Class D 2 2 2

DESCRIPTION	DWG. NO. (NO EXT.)	PART NO. (NO EXT.)	DWG. NO. (W/11" EXT.)	PART NO. (W/11" EXT.)
SGA 1-3/4" 45 DEG IN 2-6 RAD	23551D	637048	22031D	634048
SGA 1-3/4" 45 DEG IN 3-4 RAD	23551D	637049	22031D	634049
SGA 1-3/4" 45 DEG IN 4-0 RAD	23551D	637050	22031D	634050
SGA 1-3/4" 45 DEG IN 5-0 RAD	23551D	637051	22031D	634051
SGA 1-3/4" 45 DEG OUT 10 3-4	23551D	637052	22031D	634052
SGA 1-3/4" 45 DEG OUT 16 3-10	23551D	637053	22031D	634053
SGA 1-3/4" 45 DEG OUT 22 4-4	23551D	637054	22031D	634054
SGA 1-3/4" 45 DEG OUT 28 4-10	23551D	637055	22031D	634055
SGA 1-3/4" 45 DEG OUT 34 5-4	23551D	637056	22031D	634056
SGA 1-3/4" 45 DEG OUT 40 5-10	23551D	637057	22031D	634057
SGA 1-3/4" 45 DEG OUT 22 5-2 TT	23551D	637058	22031D	634058
SGA 1-3/4" 45 DEG OUT 28 6-4 TT	23551D	637059	22031D	634059
SGA 1-3/4" 45 DEG OUT 34 7-10 TT	23551D	637060	22031D	634060
SGA 1-3/4" 45 DEG OUT 40 8-4 TT	23551D	637061	22031D	634061
SGA 1-3/4" 45 DEG OUT 12 3-6	23551D	637062	22031D	634062
SGA 1-3/4" 45 DEG OUT 15 3-9	23551D	637063	22031D	634063
SGA 1-3/4" 45 DEG OUT 21 4-3	23551D	637064	22031D	634064
SGA 1-3/4" 45 DEG OUT 27 4-9	23551D	637065	22031D	634065
SGA 1-3/4" 45 DEG OUT 33 5-3	23551D	637066	22031D	634066
SGA 1-3/4" 45 DEG OUT 39 5-9	23551D	637067	22031D	634067
SGA 1-3/4" 45 DEG OUT 21 5-1 TT	23551D	637068	22031D	634068
SGA 1-3/4" 45 DEG OUT 27 6-3 TT	23551D	637069	22031D	634069
SGA 1-3/4" 45 DEG OUT 33 7-9 TT	23551D	637070	22031D	634070
SGA 1-3/4" 45 DEG OUT 39 8-3 TT	23551D	637071	22031D	634071
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>				
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	NO DWG.	633991
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992	NO DWG.	633992

## SGA 30 Degree 1-3/4" Formed Angle

Item Class D 2 2 2

DESCRIPTION	DWG. NO. (NO EXT.)	PART NO. (NO EXT.)	DWG. NO. (W/11" EXT.)	PART NO. (W/11" EXT.)
SGA 1-3/4" 30 DEG IN 2-6 RAD	23552D	637072	22032D	634072
SGA 1-3/4" 30 DEG IN 3-4 RAD	23552D	637073	22032D	634073
SGA 1-3/4" 30 DEG IN 4-0 RAD	23552D	637074	22032D	634074
SGA 1-3/4" 30 DEG IN 5-0 RAD	23552D	637075	22032D	634075
SGA 1-3/4" 30 DEG OUT 10 3-4	23552D	637076	22032D	634076
SGA 1-3/4" 30 DEG OUT 16 3-10	23552D	637077	22032D	634077
SGA 1-3/4" 30 DEG OUT 22 4-4	23552D	637078	22032D	634078
SGA 1-3/4" 30 DEG OUT 28 4-10	23552D	637079	22032D	634079
SGA 1-3/4" 30 DEG OUT 34 5-4	23552D	637080	22032D	634080
SGA 1-3/4" 30 DEG OUT 40 5-10	23552D	637081	22032D	634081
SGA 1-3/4" 30 DEG OUT 22 5-2 TT	23552D	637082	22032D	634082
SGA 1-3/4" 30 DEG OUT 28 6-4 TT	23552D	637083	22032D	634083
SGA 1-3/4" 30 DEG OUT 34 7-10 TT	23552D	637084	22032D	634084
SGA 1-3/4" 30 DEG OUT 40 8-4 TT	23552D	637085	22032D	634085
SGA 1-3/4" 30 DEG OUT 12 3-6	23552D	637086	22032D	634086
SGA 1-3/4" 30 DEG OUT 15 3-9	23552D	637087	22032D	634087
SGA 1-3/4" 30 DEG OUT 21 4-3	23552D	637088	22032D	634088
SGA 1-3/4" 30 DEG OUT 27 4-9	23552D	637089	22032D	634089
SGA 1-3/4" 30 DEG OUT 33 5-3	23552D	637090	22032D	634090
SGA 1-3/4" 30 DEG OUT 39 5-9	23552D	637091	22032D	634091
SGA 1-3/4" 30 DEG OUT 21 5-1 TT	23552D	637092	22032D	634092
SGA 1-3/4" 30 DEG OUT 27 6-3 TT	23552D	637093	22032D	634093
SGA 1-3/4" 30 DEG OUT 33 7-9 TT	23552D	637094	22032D	634094
SGA 1-3/4" 30 DEG OUT 39 8-3 TT	23552D	637095	22032D	634095
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>				
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	NO DWG.	633991
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992	NO DWG.	633992

# SGB 2-5/8" Formed Channel

Item Class D 2 1 \_

DESCRIPTION	DWG. NO.	PART NO.	ITEM CLASS
SGB 2-5/8" CHANNEL 12-0	22050D	634199	D213
SGB 2-5/8" 12-0 PBS	19384D	634197	D212
SGB 2-5/8" WHEEL ASSY 6-0	19270D	634501	D214
SGB 2-5/8" UHMW ASSY 12-0	19276D	634531	D214
SGB 2-5/8" UHMW ASSY 6-0	19276D	634532	D214
SGB 2-5/8" CHANNEL ASSY 30 DEG JCT	22196D	635070	D223
SGB 2-5/8" CHANNEL ASSY 45 DEG JCT	22196D	635071	D223
SGB 2-5/8" WHEEL ASSY 30 DEG JCT	19271D	634502	D224
SGB 2-5/8" WHEEL ASSY 45 DEG JCT	19271D	634503	D224
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>			
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG	633990	D219
SG HDWE SPACER NUT MTG TYPE-B	NO DWG	633991	D219
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG	633992	D219
<b>ASSEMBLIES BELOW INCLUDE HARDWARE AND BOTH SIDE GUIDES:</b>			
SGB 2-5/8" UB ASSY BOLT/FR	19376D	636903	D213
SGB 2-5/8" UB ASSY SPACER	19376D	636918	D213
SGB 2-5/8" UB ASSY OFFSET	19376D	636933	D213
SGB 2-5/8" PF ASSY 4-0 BOLT/FR	19376D	636904	D213
SGB 2-5/8" PF ASSY 4-0 SPACER	19376D	636919	D213
SGB 2-5/8" PF ASSY 4-0 OFFSET	19376D	636934	D213
SGB 2-5/8" PF ASSY 7-0 BOL/FR	19376D	636905	D213
SGB 2-5/8" PF ASSY 7-0 SPACER	19376D	636920	D213
SGB 2-5/8" PF ASSY 7-0 OFFSET	19376D	636935	D213
SGB 2-5/8" JK ASSY BOLT/FR	19376D	636974	D213
SGB 2-5/8" JK ASSY SPACER	19376D	636975	D213
SGB 2-5/8" JK ASSY OFFSET	19376D	636976	D213
SGB 2-5/8" NO ASSY PBS BOLT/FR	19381D	636951	D213
SGB 2-5/8" NO ASSY PBR BOLT/FR	19381D	636952	D213
SGB 2-5/8" PF ASSY PBS 4-2 BOLT/FR	19381D	636953	D213
SGB 2-5/8" PF ASSY PBS 6-8 BOLT/FR	19381D	636954	D213
SGB 2-5/8" PF ASSY PBR 4-2 BOLT/FR	19381D	636955	D213
SGB 2-5/8" PF ASSY PBR 6-8 BOLT/FR	19381D	636956	D213
SGB/SGC TRANS ASSY BOLT/FR	19379D	636912	D213
SGB/SGD TRANS ASSY BOLT/FR	19379D	636913	D213
SGB/SGC TRANS ASSY SPACER	19379D	636927	D213
SGB/SGD TRANS ASSY SPACER	19379D	636928	D213
SGB/SGC TRANS ASSY OFFSET	19379D	636942	D213
SGB/SGD TRANS ASSY OFFSET	19379D	636943	D213

## SGB 90 Degree 2-5/8" Formed Channel

Item Class D 2 2 3

DESCRIPTION	DWG. NO. (NO EXT.)	PART NO. (NO EXT.)	DWG. NO. (W/11" EXT.)	PART NO. (W/11" EXT.)
SGB 2-5/8" 90 DEG IN 2-6 RAD	23539D	637100	22033D	634100
SGB 2-5/8" 90 DEG IN 3-4 RAD	23539D	637101	22033D	634101
SGB 2-5/8" 90 DEG IN 4-0 RAD	23539D	637102	22033D	634102
SGB 2-5/8" 90 DEG IN 5-0 RAD	23539D	637103	22033D	634103
SGB 2-5/8" 90 DEG OUT 10 3-4	23539D	637104	22033D	634104
SGB 2-5/8" 90 DEG OUT 16 3-10	23539D	637105	22033D	634105
SGB 2-5/8" 90 DEG OUT 22 4-4	23539D	637106	22033D	634106
SGB 2-5/8" 90 DEG OUT 28 4-10	23539D	637107	22033D	634107
SGB 2-5/8" 90 DEG OUT 34 5-4	23539D	637108*	22033D	634108*
SGB 2-5/8" 90 DEG OUT 40 5-10	23539D	637109*	22033D	634109*
SGB 2-5/8" 90 DEG OUT 22 5-2 TT	23539D	637110*	22033D	634110*
SGB 2-5/8" 90 DEG OUT 28 6-4 TT	23539D	637111*	22033D	634111*
SGB 2-5/8" 90 DEG OUT 34 7-10 TT	23539D	637112*	22033D	634112*
SGB 2-5/8" 90 DEG OUT 40 8-4 TT	23539D	637113*	22033D	634113*
SGB 2-5/8" 90 DEG OUT 12 3-6	23539D	637114	22033D	634114
SGB 2-5/8" 90 DEG OUT 15 3-9	23539D	637115	22033D	634115
SGB 2-5/8" 90 DEG OUT 21 4-3	23539D	637116	22033D	634116
SGB 2-5/8" 90 DEG OUT 27 4-9	23539D	637117	22033D	634117
SGB 2-5/8" 90 DEG OUT 33 5-3	23539D	637118*	22033D	634118*
SGB 2-5/8" 90 DEG OUT 39 5-9	23539D	637119*	22033D	634119*
SGB 2-5/8" 90 DEG OUT 21 5-1 TT	23539D	637120	22033D	634120
SGB 2-5/8" 90 DEG OUT 27 6-3 TT	23539D	637121*	22033D	634121*
SGB 2-5/8" 90 DEG OUT 33 7-9 TT	23539D	637122*	22033D	634122*
SGB 2-5/8" 90 DEG OUT 39 8-3 TT	23539D	637123*	22033D	634123*
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>				
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	NO DWG.	633991
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992	NO DWG.	633992

\*Guides Marked with an Asterisk Are Phantom Assemblies, Item Type "O", and Ship in Two Pieces.

TT = True Taper

## SGB 60 Degree 2-5/8" Formed Channel

Item Class D 2 2 3

DESCRIPTION	DWG. NO. (NO EXT.)	PART NO. (NO EXT.)	DWG. NO. (W/11" EXT.)	PART NO. (W/11" EXT.)
SGB 2-5/8" 60 DEG IN 2-6 RAD	23540D	637124	22034D	634124
SGB 2-5/8" 60 DEG IN 3-4 RAD	23540D	637125	22034D	634125
SGB 2-5/8" 60 DEG IN 4-0 RAD	23540D	637126	22034D	634126
SGB 2-5/8" 60 DEG IN 5-0 RAD	23540D	637127	22034D	634127
SGB 2-5/8" 60 DEG OUT 10 3-4	23540D	637128	22034D	634128
SGB 2-5/8" 60 DEG OUT 16 3-10	23540D	637129	22034D	634129
SGB 2-5/8" 60 DEG OUT 22 4-4	23540D	637130	22034D	634130
SGB 2-5/8" 60 DEG OUT 28 4-10	23540D	637131	22034D	634131
SGB 2-5/8" 60 DEG OUT 34 5-4	23540D	637132	22034D	634132
SGB 2-5/8" 60 DEG OUT 40 5-10	23540D	637133	22034D	634133
SGB 2-5/8" 60 DEG OUT 22 5-2 TT	23540D	637134	22034D	634134
SGB 2-5/8" 60 DEG OUT 28 6-4 TT	23540D	637135	22034D	634135
SGB 2-5/8" 60 DEG OUT 34 7-10 TT	23540D	637136*	22034D	634136*
SGB 2-5/8" 60 DEG OUT 40 8-4 TT	23540D	637137*	22034D	634137*
SGB 2-5/8" 60 DEG OUT 12 3-6	23540D	637138	22034D	634138
SGB 2-5/8" 60 DEG OUT 15 3-9	23540D	637139	22034D	634139
SGB 2-5/8" 60 DEG OUT 21 4-3	23540D	637140	22034D	634140
SGB 2-5/8" 60 DEG OUT 27 4-9	23540D	637141	22034D	634141
SGB 2-5/8" 60 DEG OUT 33 5-3	23540D	637142	22034D	634142
SGB 2-5/8" 60 DEG OUT 39 5-9	23540D	637143	22034D	634143
SGB 2-5/8" 60 DEG OUT 21 5-1 TT	23540D	637144	22034D	634144
SGB 2-5/8" 60 DEG OUT 27 6-3 TT	23540D	637145	22034D	634145
SGB 2-5/8" 60 DEG OUT 33 7-9 TT	23540D	637146*	22034D	634146*
SGB 2-5/8" 60 DEG OUT 39 8-3 TT	23540D	637147*	22034D	634147*
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>				
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	NO DWG.	633991
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992	NO DWG.	633992

\*Guides Marked with an Asterisk Are Phantom Assemblies, Item Type "O", and Ship in Two Pieces.

TT = True Taper



## SGB 45 Degree 2-5/8" Formed Channel

Item Class D 2 2 3

DESCRIPTION	DWG. NO. (NO EXT.)	PART NO. (NO EXT.)	DWG. NO. (W/11" EXT.)	PART NO. (W/11" EXT.)
SGB 2-5/8" 45 DEG IN 2-6 RAD	23541D	637148	22035D	634148
SGB 2-5/8" 45 DEG IN 3-4 RAD	23541D	637149	22035D	634149
SGB 2-5/8" 45 DEG IN 4-0 RAD	23541D	637150	22035D	634150
SGB 2-5/8" 45 DEG IN 5-0 RAD	23541D	637151	22035D	634151
SGB 2-5/8" 45 DEG OUT 10 3-4	23541D	637152	22035D	634152
SGB 2-5/8" 45 DEG OUT 16 3-10	23541D	637153	22035D	634153
SGB 2-5/8" 45 DEG OUT 22 4-4	23541D	637154	22035D	634154
SGB 2-5/8" 45 DEG OUT 28 4-10	23541D	637155	22035D	634155
SGB 2-5/8" 45 DEG OUT 34 5-4	23541D	637156	22035D	634156
SGB 2-5/8" 45 DEG OUT 40 5-10	23541D	637157	22035D	634157
SGB 2-5/8" 45 DEG OUT 22 5-2 TT	23541D	637158	22035D	634158
SGB 2-5/8" 45 DEG OUT 28 6-4 TT	23541D	637159	22035D	634159
SGB 2-5/8" 45 DEG OUT 34 7-10 TT	23541D	637160	22035D	634160
SGB 2-5/8" 45 DEG OUT 40 8-4 TT	23541D	637161	22035D	634161
SGB 2-5/8" 45 DEG OUT 12 3-6	23541D	637162	22035D	634162
SGB 2-5/8" 45 DEG OUT 15 3-9	23541D	637163	22035D	634163
SGB 2-5/8" 45 DEG OUT 21 4-3	23541D	637164	22035D	634164
SGB 2-5/8" 45 DEG OUT 27 4-9	23541D	637165	22035D	634165
SGB 2-5/8" 45 DEG OUT 33 5-3	23541D	637166	22035D	634166
SGB 2-5/8" 45 DEG OUT 39 5-9	23541D	637167	22035D	634167
SGB 2-5/8" 45 DEG OUT 21 5-1 TT	23541D	637168	22035D	634168
SGB 2-5/8" 45 DEG OUT 27 6-3 TT	23541D	637169	22035D	634169
SGB 2-5/8" 45 DEG OUT 33 7-9 TT	23541D	637170	22035D	634170
SGB 2-5/8" 45 DEG OUT 39 8-3 TT	23541D	637171	22035D	634171
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>				
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	NO DWG.	633991
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992	NO DWG.	633992

TT = True Taper

## SGB 30 Degree 2-5/8" Formed Channel

Item Class D 2 2 3

DESCRIPTION	DWG. NO. (NO EXT.)	PART NO. (NO EXT.)	DWG. NO. (W/11" EXT.)	PART NO. (W/11" EXT.)
SGB 2-5/8" 30 DEG IN 2-6 RAD	23542D	637172	22036D	634172
SGB 2-5/8" 30 DEG IN 3-4 RAD	23542D	637173	22036D	634173
SGB 2-5/8" 30 DEG IN 4-0 RAD	23542D	637174	22036D	634174
SGB 2-5/8" 30 DEG IN 5-0 RAD	23542D	637175	22036D	634175
SGB 2-5/8" 30 DEG OUT 10 3-4	23542D	637176	22036D	634176
SGB 2-5/8" 30 DEG OUT 16 3-10	23542D	637177	22036D	634177
SGB 2-5/8" 30 DEG OUT 22 4-4	23542D	637178	22036D	634178
SGB 2-5/8" 30 DEG OUT 28 4-10	23542D	637179	22036D	634179
SGB 2-5/8" 30 DEG OUT 34 5-4	23542D	637180	22036D	634180
SGB 2-5/8" 30 DEG OUT 40 5-10	23542D	637181	22036D	634181
SGB 2-5/8" 30 DEG OUT 22 5-2 TT	23542D	637182	22036D	634182
SGB 2-5/8" 30 DEG OUT 28 6-4 TT	23542D	637183	22036D	634183
SGB 2-5/8" 30 DEG OUT 34 7-10 TT	23542D	637184	22036D	634184
SGB 2-5/8" 30 DEG OUT 40 8-4 TT	23542D	637185	22036D	634185
SGB 2-5/8" 30 DEG OUT 12 3-6	23542D	637186	22036D	634186
SGB 2-5/8" 30 DEG OUT 15 3-9	23542D	637187	22036D	634187
SGB 2-5/8" 30 DEG OUT 21 4-3	23542D	637188	22036D	634188
SGB 2-5/8" 30 DEG OUT 27 4-9	23542D	637189	22036D	634189
SGB 2-5/8" 30 DEG OUT 33 5-3	23542D	637190	22036D	634190
SGB 2-5/8" 30 DEG OUT 39 5-9	23542D	637191	22036D	634191
SGB 2-5/8" 30 DEG OUT 21 5-1 TT	23542D	637192	22036D	634192
SGB 2-5/8" 30 DEG OUT 27 6-3 TT	23542D	637193	22036D	634193
SGB 2-5/8" 30 DEG OUT 33 7-9 TT	23542D	637194	22036D	634194
SGB 2-5/8" 30 DEG OUT 39 8-3 TT	23542D	637195	22036D	634195
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>				
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	NO DWG.	633991
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992	NO DWG.	633992

TT = True Taper

## SGC 7" Formed Channel

Item Class D 2 1 \_

DESCRIPTION	DWG. NO.	PART NO.	ITEM CLASS
SGC 7" CHANNEL 12-0	22050D	634299	D213
SGC 7" 12-0 PBS	19384D	634297	D212
SGC 7" WHEEL ASSY 6-0	19272D	634505	D214
SGC 7" UHMW ASSY 12-0	19277D	634533	D214
SGC 7" UHMW ASSY 6-0	19277D	634534	D214
SGC 7" CHANNEL ASSY 30 DEG JCT	22196D	635072	D223
SGC 7" CHANNEL ASSY 45 DEG JCT	22196D	635073	D223
SGC 7" WHEEL ASSY 30 DEG JCT	19273D	634506	D224
SGC 7" WHEEL ASSY 45 DEG JCT	19273D	634507	D224
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>			
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	D219
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	D219
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992	D219
<b>ASSEMBLIES BELOW INCLUDE HARDWARE AND BOTH SIDE GUIDES:</b>			
SGC 7" UB ASSY BOLT/FR	19377D	636906	D213
SGC 7" UB ASSY SPACER	19377D	636921	D213
SGC 7" UB ASSY OFFSET	19377D	636936	D213
SGC 7" PF ASSY 4-0 BOLT/FR	19377D	636907	D213
SGC 7" PF ASSY 4-0 SPACER	19377D	636922	D213
SGC 7" PF ASSY 4-0 OFFSET	19377D	636937	D213
SGC 7" PF ASSY 7-0 BOLT/FR	19377D	636908	D213
SGC 7" PF ASSY 7-0 SPACER	19377D	636923	D213
SGC 7" PF ASSY 7-0 OFFSET	19377D	636938	D213
SGC 7" JK ASSY BOLT/FR	19377D	636977	D213
SGC 7" JK ASSY SPACER	19377D	636978	D213
SGC 7" JK ASSY OFFSET	19377D	636979	D213
SGC 7" NO ASSY PBS BOLT/FR	19382D	636957	D213
SGC 7" NO ASSY PBR BOLT/FR	19382D	636958	D213
SGC 7" PF ASSY PBS 4-2 BOLT/FR	19382D	636959	D213
SGC 7" PF ASSY PBS 6-8 BOLT/FR	19382D	636960	D213
SGC 7" PF ASSY PBR 4-2 BOLT/FR	19382D	636961	D213
SGC 7" PF ASSY PBR 6-8 BOLT/FR	19382D	636962	D213
SGC/SGC TRANS ASSY BOLT/FR	19379D	636912	D213
SGC/SGD TRANS ASSY BOLT/FR	19379D	636914	D213
SGC/SGC TRANS ASSY SPACER	19379D	636927	D213
SGC/SGD TRANS ASSY SPACER	19379D	636929	D213
SGC/SGC TRANS ASSY OFFSET	19379D	636942	D213
SGC/SGC TRANS ASSY OFFSET	19379D	636944	D213

## SGC 90 Degree 7" Formed Channel

Item Class D 2 2 3

DESCRIPTION	DWG. NO. (NO EXT.)	PART NO. (NO EXT.)	DWG. NO. (W/11" EXT.)	PART NO. (W/11" EXT.)
SGC 7" 90 DEG IN 2-6 RAD	23543D	637200	22037D	634200
SGC 7" 90 DEG IN 3-4 RAD	23543D	637201	22037D	634201
SGC 7" 90 DEG IN 4-0 RAD	23543D	637202	22037D	634202
SGC 7" 90 DEG IN 5-0 RAD	23543D	637203	22037D	634203
SGC 7" 90 DEG OUT 10 3-4	23543D	637204	22037D	634204
SGC 7" 90 DEG OUT 16 3-10	23543D	637205	22037D	634205
SGC 7" 90 DEG OUT 22 4-4	23543D	637206	22037D	634206
SGC 7" 90 DEG OUT 28 4-10	23543D	637207	22037D	634207
SGC 7" 90 DEG OUT 34 5-4	23543D	637208*	22037D	634208*
SGC 7" 90 DEG OUT 40 5-10	23543D	637209*	22037D	634209*
SGC 7" 90 DEG OUT 22 5-2 TT	23543D	637210*	22037D	634210*
SGC 7" 90 DEG OUT 28 6-4 TT	23543D	637211*	22037D	634211*
SGC 7" 90 DEG OUT 34 7-10 TT	23543D	637212*	22037D	634212*
SGC 7" 90 DEG OUT 40 8-4 TT	23543D	637213*	22037D	634213*
SGC 7" 90 DEG OUT 12 3-6	23543D	637214	22037D	634214
SGC 7" 90 DEG OUT 15 3-9	23543D	637215	22037D	634215
SGC 7" 90 DEG OUT 21 4-3	23543D	637216	22037D	634216
SGC 7" 90 DEG OUT 27 4-9	23543D	637217	22037D	634217
SGC 7" 90 DEG OUT 33 5-3	23543D	637218*	22037D	634218*
SGC 7" 90 DEG OUT 39 5-9	23543D	637219*	22037D	634219*
SGC 7" 90 DEG OUT 21 5-1 TT	23543D	637220	22037D	634220
SGC 7" 90 DEG OUT 27 6-3 TT	23543D	637221*	22037D	634221*
SGC 7" 90 DEG OUT 33 7-9 TT	23543D	637222*	22037D	634222*
SGC 7" 90 DEG OUT 39 8-3 TT	23543D	637223*	22037D	634223*
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>				
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	NO DWG.	633991
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992	NO DWG.	633992

\*Guides Marked with an Asterisk Are Phantom Assemblies, Item Type "O", and Ship in Two Pieces.

TT = True Taper

## SGC 60 Degree 7" Formed Channel

Item Class D 2 2 3

DESCRIPTION	DWG. NO. (NO EXT.)	PART NO. (NO EXT.)	DWG. NO. (W/11" EXT.)	PART NO. (W/11" EXT.)
SGC 7" 60 DEG IN 2-6 RAD	23544D	637224	22038D	634224
SGC 7" 60 DEG IN 3-4 RAD	23544D	637225	22038D	634225
SGC 7" 60 DEG IN 4-0 RAD	23544D	637226	22038D	634226
SGC 7" 60 DEG IN 5-0 RAD	23544D	637227	22038D	634227
SGC 7" 60 DEG OUT 10 3-4	23544D	637228	22038D	634228
SGC 7" 60 DEG OUT 16 3-10	23544D	637229	22038D	634229
SGC 7" 60 DEG OUT 22 4-4	23544D	637230	22038D	634230
SGC 7" 60 DEG OUT 28 4-10	23544D	637231	22038D	634231
SGC 7" 60 DEG OUT 34 5-4	23544D	637232	22038D	634232
SGC 7" 60 DEG OUT 40 5-10	23544D	637233	22038D	634233
SGC 7" 60 DEG OUT 22 5-2 TT	23544D	637234	22038D	634234
SGC 7" 60 DEG OUT 28 6-4 TT	23544D	637235	22038D	634235
SGC 7" 60 DEG OUT 34 7-10 TT	23544D	637236*	22038D	634236*
SGC 7" 60 DEG OUT 40 8-4 TT	23544D	637237*	22038D	634237*
SGC 7" 60 DEG OUT 12 3-6	23544D	637238	22038D	634238
SGC 7" 60 DEG OUT 15 3-9	23544D	637239	22038D	634239
SGC 7" 60 DEG OUT 21 4-3	23544D	637240	22038D	634240
SGC 7" 60 DEG OUT 27 4-9	23544D	637241	22038D	634241
SGC 7" 60 DEG OUT 33 5-3	23544D	637242	22038D	634242
SGC 7" 60 DEG OUT 39 5-9	23544D	637243	22038D	634243
SGC 7" 60 DEG OUT 21 5-1 TT	23544D	637244	22038D	634244
SGC 7" 60 DEG OUT 27 6-3 TT	23544D	637245	22038D	634245
SGC 7" 60 DEG OUT 33 7-9 TT	23544D	637246*	22038D	634246*
SGC 7" 60 DEG OUT 39 8-3 TT	23544D	637247*	22038D	634247*
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>				
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	NO DWG.	633991
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992	NO DWG.	633992

\*Guides Marked with an Asterisk Are Phantom Assemblies, Item Type "O", and Ship in Two Pieces.

TT = True Taper

## SGC 45 Degree 7" Formed Channel

Item Class D 2 2 3

DESCRIPTION	DWG. NO. (NO EXT.)	PART NO. (NO EXT.)	DWG. NO. (W/11" EXT.)	PART NO. (W/ 11" EXT.)
SGC 7" 45 DEG IN 2-6 RAD	23545D	637248	22039D	634248
SGC 7" 45 DEG IN 3-4 RAD	23545D	637249	22039D	634249
SGC 7" 45 DEG IN 4-0 RAD	23545D	637250	22039D	634250
SGC 7" 45 DEG IN 5-0 RAD	23545D	637251	22039D	634251
SGC 7" 45 DEG OUT 10 3-4	23545D	637252	22039D	634252
SGC 7" 45 DEG OUT 16 3-10	23545D	637253	22039D	634253
SGC 7" 45 DEG OUT 22 4-4	23545D	637254	22039D	634254
SGC 7" 45 DEG OUT 28 4-10	23545D	637255	22039D	634255
SGC 7" 45 DEG OUT 34 5-4	23545D	637256	22039D	634256
SGC 7" 45 DEG OUT 40 5-10	23545D	637257	22039D	634257
SGC 7" 45 DEG OUT 22 5-2 TT	23545D	637258	22039D	634258
SGC 7" 45 DEG OUT 28 6-4 TT	23545D	637259	22039D	634259
SGC 7" 45 DEG OUT 34 7-10 TT	23545D	637260	22039D	634260
SGC 7" 45 DEG OUT 40 8-4 TT	23545D	637261	22039D	634261
SGC 7" 45 DEG OUT 12 3-6	23545D	637262	22039D	634262
SGC 7" 45 DEG OUT 15 3-9	23545D	637263	22039D	634263
SGC 7" 45 DEG OUT 21 4-3	23545D	637264	22039D	634264
SGC 7" 45 DEG OUT 27 4-9	23545D	637265	22039D	634265
SGC 7" 45 DEG OUT 33 5-3	23545D	637266	22039D	634266
SGC 7" 45 DEG OUT 39 5-9	23545D	637267	22039D	634267
SGC 7" 45 DEG OUT 21 5-1 TT	23545D	637268	22039D	634268
SGC 7" 45 DEG OUT 27 6-3 TT	23545D	637269	22039D	634269
SGC 7" 45 DEG OUT 33 7-9 TT	23545D	637270	22039D	634270
SGC 7" 45 DEG OUT 39 8-3 TT	23545D	637271	22039D	634271
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>				
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	NO DWG.	633991
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992	NO DWG.	633992

TT = True Taper

## SGC 30 Degree 7" Formed Channel

Item Class D 2 2 3

DESCRIPTION	DWG. NO. (NO EXT.)	PART NO. (NO EXT.)	DWG. NO. (W/ 11" EXT.)	PART NO. (W/ 11" EXT.)
SGC 7" 30 DEG IN 2-6 RAD	23546D	637272	22040D	634272
SGC 7" 30 DEG IN 3-4 RAD	23546D	637273	22040D	634273
SGC 7" 30 DEG IN 4-0 RAD	23546D	637274	22040D	634274
SGC 7" 30 DEG IN 5-0 RAD	23546D	637275	22040D	634275
SGC 7" 30 DEG OUT 10 3-4	23546D	637276	22040D	634276
SGC 7" 30 DEG OUT 16 3-10	23546D	637277	22040D	634277
SGC 7" 30 DEG OUT 22 4-4	23546D	637278	22040D	634278
SGC 7" 30 DEG OUT 28 4-10	23546D	637279	22040D	634279
SGC 7" 30 DEG OUT 34 5-4	23546D	637280	22040D	634280
SGC 7" 30 DEG OUT 40 5-10	23546D	637281	22040D	634281
SGC 7" 30 DEG OUT 22 5-2 TT	23546D	637282	22040D	634282
SGC 7" 30 DEG OUT 28 6-4 TT	23546D	637283	22040D	634283
SGC 7" 30 DEG OUT 34 7-10 TT	23546D	637284	22040D	634284
SGC 7" 30 DEG OUT 40 8-4 TT	23546D	637285	22040D	634285
SGC 7" 30 DEG OUT 12 3-6	23546D	637286	22040D	634286
SGC 7" 30 DEG OUT 15 3-9	23546D	637287	22040D	634287
SGC 7" 30 DEG OUT 21 4-3	23546D	637288	22040D	634288
SGC 7" 30 DEG OUT 27 4-9	23546D	637289	22040D	634289
SGC 7" 30 DEG OUT 33 5-3	23546D	637290	22040D	634290
SGC 7" 30 DEG OUT 39 5-9	23546D	637291	22040D	634291
SGC 7" 30 DEG OUT 21 5-1 TT	23546D	637292	22040D	634292
SGC 7" 30 DEG OUT 27 6-3 TT	23546D	637293	22040D	634293
SGC 7" 30 DEG OUT 33 7-9 TT	23546D	637294	22040D	634294
SGC 7" 30 DEG OUT 39 8-3 TT	23546D	637295	22040D	634295
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>				
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	NO DWG.	633991
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992	NO DWG.	633992

TT = True Taper

# SGD 10" Formed Channel

Item Class D 2 1 \_

DESCRIPTION	DWG. NO.	PART NO.	ITEM CLASS
SGD 10" CHANNEL 12-0	22050D	634399	D213
SGD 10" 12-0 PBS	19384D	634397	D212
SGD 10" WHEEL ASSY 6-0	19274D	634509	D214
SGD 10" UHMW ASSY 12-0	19278D	634535	D214
SGD 10" UHMW ASSY 6-0	19278D	634536	D214
SGD 10" CHANNEL ASSY 30 DEG JCT	22196D	635074	D223
SGD 10" CHANNEL ASSY 45 DEG JCT	22196D	635075	D223
SGD 10" WHEEL ASSY 30 DEG JCT	19275D	634510	D224
SGD 10" WHEEL ASSY 45 DEG JCT	19275D	634511	D224
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>			
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	D219
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	D219
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992	D219
<b>ASSEMBLIES BELOW INCLUDE HARDWARE AND BOTH SIDE GUIDES:</b>			
SGD 10" UB ASSY BOLT/FR	19378D	636909	D213
SGD 10" UB ASSY SPACER	19378D	636924	D213
SGD 10" UB ASSY OFFSET	19378D	636939	D213
SGD 10" PF ASSY 4-0 BOLT/FR	19378D	636910	D213
SGD 10" PF ASSY 4-0 SPACER	19378D	636925	D213
SGD 10" PF ASSY 4-0 OFFSET	19378D	636940	D213
SGD 10" PF ASSY 7-0 BOLT/FR	19378D	636911	D213
SGD 10" PF ASSY 7-0 SPACER	19378D	636926	D213
SGD 10" PF ASSY 7-0 OFFSET	19378D	636941	D213
SGD 10" JK ASSY BOLT/FR	19378D	636980	D213
SGD 10" JK ASSY SPACER	19378D	636981	D213
SGD 10" JK ASSY OFFSET	19378D	636982	D213
SGD 10" NO ASSY PBS BOLT/FR	19383D	636963	D213
SGD 10" NO ASSY PBR BOLT/FR	19383D	636964	D213
SGD 10" PF ASSY PBS 4-2 BOLT/FR	19383D	636965	D213
SGD 10" PF ASSY PBS 6-8 BOLT/FR	19383D	636966	D213
SGD 10" PF ASSY PBR 4-2 BOLT/FR	19383D	636967	D213
SGD 10" PF ASSY PBR 6-8 BOLT/FR	19383D	636968	D213
SGB/SGD TRANS ASSY BOLT/FR	19379D	636913	D213
SGC/SGD TRANS ASSY BOLT/FR	19379D	636914	D213
SGB/SGD TRANS ASSY SPACER	19379D	636928	D213
SGC/SGD TRANS ASSY SPACER	19379D	636929	D213
SGB/SGD TRANS ASSY OFFSET	19379D	636943	D213
SGC/SGD TRANS ASSY OFFSET	19379D	636944	D213



## SGD 90 Degree 10" Formed Channel

Item Class D 2 2 3

DESCRIPTION	DWG. NO. (NO EXT.)	PART NO. (NO EXT.)	DWG. NO. (W/11" EXT.)	PART NO. (W/ 11" EXT.)
SGD 10 90 DEG IN 2-6 RAD	23547D	637300	22041D	634300
SGD 10 90 DEG IN 3-4 RAD	23547D	637301	22041D	634301
SGD 10 90 DEG IN 4-0 RAD	23547D	637302	22041D	634302
SGD 10 90 DEG IN 5-0 RAD	23547D	637303	22041D	634303
SGD 10 90 DEG OUT 10 3-4	23547D	637304	22041D	634304
SGD 10 99 DEG OUT 16 3-10	23547D	637305	22041D	634305
SGD 10 90 DEG OUT 22 4-4	23547D	637306	22041D	634306
SGD 10 90 DEG OUT 28 4-10	23547D	637307	22041D	634307
SGD 10 90 DEG OUT 34 5-4	23547D	637308*	22041D	634308*
SGD 10 90 DEG OUT 40 5-10	23547D	637309*	22041D	634309*
SGD 10 90 DEG OUT 22 5-2 TT	23547D	637310*	22041D	634310*
SGD 10 90 DEG OUT 28 6-4 TT	23547D	637311*	22041D	634311*
SGD 10 90 DEG OUT 34 7-10 TT	23547D	637312*	22041D	634312*
SGD 10 90 DEG OUT 40 8-4 TT	23547D	637313*	22041D	634313*
SGD 10 90 DEG OUT 12 3-6	23547D	637314	22041D	634314
SGD 10 90 DEG OUT 15 3-9	23547D	637315	22041D	634315
SGD 10 90 DEG OUT 21 4-3	23547D	637316	22041D	634316
SGD 10 90 DEG OUT 27 4-9	23547D	637317	22041D	634317
SGD 10 90 DEG OUT 33 5-3	23547D	637318*	22041D	634318*
SGD 10 90 DEG OUT 39 5-9	23547D	637319*	22041D	634319*
SGD 10 90 DEG OUT 21 5-1 TT	23547D	637320	22041D	634320
SGD 10 90 DEG OUT 27 6-3 TT	23547D	637321*	22041D	634321*
SGD 10 90 DEG OUT 33 7-9 TT	23547D	637322*	22041D	634322*
SGD 10 90 DEG OUT 39 8-3 TT	23547D	637323*	22041D	634323*
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>				
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	NO DWG.	633991
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992	NO DWG.	633992

\*Guides Marked with an Asterisk Are Phantom Assemblies, Item Type "O", and Ship in Two Pieces.

TT = True Taper

## SGD 60 Degree 10” Formed Channel

Item Class D 2 2 3

DESCRIPTION	DWG. NO. (NO EXT.)	PART NO. (NO EXT.)	DWG. NO. (W/ 11” EXT.)	PART NO. (W/ 11” EXT.)
SGD 10 60 DEG IN 2-6 RAD	23548D	637324	22042D	634324
SGD 10 60 DEG IN 3-4 RAD	23548D	637325	22042D	634325
SGD 10 60 DEG IN 4-0 RAD	23548D	637326	22042D	634326
SGD 10 60 DEG IN 5-0 RAD	23548D	637327	22042D	634327
SGD 10 60 DEG OUT 10 3-4	23548D	637328	22042D	634328
SGD 10 60 DEG OUT 16 3-10	23548D	637329	22042D	634329
SGD 10 60 DEG OUT 22 4-4	23548D	637330	22042D	634330
SGD 10 60 DEG OUT 28 4-10	23548D	637331	22042D	634331
SGD 10 60 DEG OUT 34 5-4	23548D	637332	22042D	634332
SGD 10 60 DEG OUT 40 5-10	23548D	637333	22042D	634333
SGD 10 60 DEG OUT 22 5-2 TT	23548D	637334	22042D	634334
SGD 10 60 DEG OUT 28 6-4 TT	23548D	637335	22042D	634335
SGD 10 60 DEG OUT 34 7-10 TT	23548D	637336*	22042D	634336*
SGD 10 60 DEG OUT 40 8-4 TT	23548D	637337*	22042D	634337*
SGD 10 60 DEG OUT 12 3-6	23548D	637338	22042D	634338
SGD 10 60 DEG OUT 15 3-9	23548D	637339	22042D	634339
SGD 10 60 DEG OUT 21 4-3	23548D	637340	22042D	634340
SGD 10 60 DEG OUT 27 4-9	23548D	637341	22042D	634341
SGD 10 60 DEG OUT 33 5-3	23548D	637342	22042D	634342
SGD 10 60 DEG OUT 39 5-9	23548D	637343	22042D	634343
SGD 10 60 DEG OUT 21 5-1 TT	23548D	637344	22042D	634344
SGD 10 60 DEG OUT 27 6-3 TT	23548D	637345	22042D	634345
SGD 10 60 DEG OUT 33 7-9 TT	23548D	637346*	22042D	634346*
SGD 10 60 DEG OUT 39 8-3 TT	23548D	637347*	22042D	634347*
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>				
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	NO DWG.	633991
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992	NO DWG.	633992

\*Guides Marked with an Asterisk Are Phantom Assemblies, Item Type “O”, and Ship in Two Pieces.

TT = True Taper

## SGD 45 Degree 10" Formed Channel

Item Class D 2 2 3

DESCRIPTION	DWG. NO. (NO EXT.)	PART NO. (NO EXT.)	DWG. NO. (W/ 11" EXT.)	PART NO. (W/ 11" EXT.)
SGD 10 45 DEG IN 2-6 RAD	23553D	637348	22043D	634348
SGD 10 45 DEG IN 3-4 RAD	23553D	637349	22043D	634349
SGD 10 45 DEG IN 4-0 RAD	23553D	637350	22043D	634350
SGD 10 45 DEG IN 5-0 RAD	23553D	637351	22043D	634351
SGD 10 45 DEG OUT 10 3-4	23553D	637352	22043D	634352
SGD 10 45 DEG OUT 16 3-10	23553D	637353	22043D	634353
SGD 10 45 DEG OUT 22 4-4	23553D	637354	22043D	634354
SGD 10 45 DEG OUT 28 4-10	23553D	637355	22043D	634355
SGD 10 45 DEG OUT 34 5-4	23553D	637356	22043D	634356
SGD 10 45 DEG OUT 40 5-10	23553D	637357	22043D	634357
SGD 10 45 DEG OUT 22 5-2 TT	23553D	637358	22043D	634358
SGD 10 45 DEG OUT 28 6-4 TT	23553D	637359	22043D	634359
SGD 10 45 DEG OUT 34 7-10 TT	23553D	637360	22043D	634360
SGD 10 45 DEG OUT 40 8-4 TT	23553D	637361	22043D	634361
SGD 10 45 DEG OUT 12 3-6	23553D	637362	22043D	634362
SGD 10 45 DEG OUT 15 3-9	23553D	637363	22043D	634363
SGD 10 45 DEG OUT 21 4-3	23553D	637364	22043D	634364
SGD 10 45 DEG OUT 27 4-9	23553D	637365	22043D	634365
SGD 10 45 DEG OUT 33 5-3	23553D	637366	22043D	634366
SGD 10 45 DEG OUT 39 5-9	23553D	637367	22043D	634367
SGD 10 45 DEG OUT 21 5-1 TT	23553D	637368	22043D	634368
SGD 10 45 DEG OUT 27 6-3 TT	23553D	637369	22043D	634369
SGD 10 45 DEG OUT 33 7-9 TT	23553D	637370	22043D	634370
SGD 10 45 DEG OUT 39 8-3 TT	23553D	637371	22043D	634371
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>				
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	NO DWG.	633991
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992	NO DWG.	633992

TT = True Taper

## SGD 30 Degree 10" Formed Channel

Item Class D 2 2 3

DESCRIPTION	DWG. NO. (NO EXT.)	PART NO. (NO EXT.)	DWG. NO. (W/ 11" EXT.)	PART NO. (W/ 11" EXT.)
SGD 10 30 DEG IN 2-6 RAD	23554D	637372	22044D	634372
SGD 10 30 DEG IN 3-4 RAD	23554D	637373	22044D	634373
SGD 10 30 DEG IN 4-0 RAD	23554D	637374	22044D	634374
SGD 10 30 DEG IN 5-0 RAD	23554D	637375	22044D	634375
SGD 10 30 DEG OUT 10 3-4	23554D	637376	22044D	634376
SGD 10 30 DEG OUT 16 3-10	23554D	637377	22044D	634377
SGD 10 30 DEG OUT 22 4-4	23554D	637378	22044D	634378
SGD 10 30 DEG OUT 28 4-10	23554D	637379	22044D	634379
SGD 10 30 DEG OUT 34 5-4	23554D	637380	22044D	634380
SGD 10 30 DEG OUT 40 5-10	23554D	637381	22044D	634381
SGD 10 30 DEG OUT 22 5-2 TT	23554D	637382	22044D	634382
SGD 10 30 DEG OUT 28 6-4 TT	23554D	637383	22044D	634383
SGD 10 30 DEG OUT 34 7-10 TT	23554D	637384	22044D	634384
SGD 10 30 DEG OUT 40 8-4 TT	23554D	637385	22044D	634385
SGD 10 30 DEG OUT 12 3-6	23554D	637386	22044D	634386
SGD 10 30 DEG OUT 15 3-9	23554D	637387	22044D	634387
SGD 10 30 DEG OUT 21 4-3	23554D	637388	22044D	634388
SGD 10 30 DEG OUT 27 4-9	23554D	637389	22044D	634389
SGD 10 30 DEG OUT 33 5-3	23554D	637390	22044D	634390
SGD 10 30 DEG OUT 39 5-9	23554D	637391	22044D	634391
SGD 10 30 DEG OUT 21 5-1 TT	23554D	637392	22044D	634392
SGD 10 30 DEG OUT 27 6-3 TT	23554D	637393	22044D	634393
SGD 10 30 DEG OUT 33 7-9 TT	23554D	637394	22044D	634394
SGD 10 30 DEG OUT 39 8-3 TT	23554D	637395	22044D	634395
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>				
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991	NO DWG.	633991
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992	NO DWG.	633992

TT = True Taper

## SGE Adjustable Single Channel Height

Item Class D 2 1 1

DESCRIPTION	DWG. NO.	PART NO.
SGE IS 20-0/10 1-RAIL 1-SIDE	19290D	634672
SGE IS 20-0/16 1-RAIL 1-SIDE	19290D	634673
SGE IS 20-0/22 1-RAIL 1-SIDE	19290D	634674
SGE IS 20-0/28 1-RAIL 1-SIDE	19290D	634675
SGE IS 20-0/34 1-RAIL 1-SIDE	19290D	634676
SGE IS 20-0/40 1-RAIL 1-SIDE	19290D	634677
SGE IS 20-0/12 1-RAIL 1-SIDE	19290D	634678
SGE IS 20-0/15 1-RAIL 1-SIDE	19290D	634679
SGE IS 20-0/21 1-RAIL 1-SIDE	19290D	634680
SGE IS 20-0/27 1-RAIL 1-SIDE	19290D	634681
SGE IS 20-0/33 1-RAIL 1-SIDE	19290D	634682
SGE IS 20-0/39 1-RAIL 1-SIDE	19290D	634683
SGE IS 20-0/10 1-RAIL 2-SIDE	19290D	634684
SGE IS 20-0/16 1-RAIL 2-SIDE	19290D	634685
SGE IS 20-0/22 1-RAIL 2-SIDE	19290D	634686
SGE IS 20-0/28 1-RAIL 2-SIDE	19290D	634687
SGE IS 20-0/34 1-RAIL 2-SIDE	19290D	634688
SGE IS 20-0/40 1-RAIL 2-SIDE	19290D	634689
SGE IS 20-0/12 1-RAIL 2-SIDE	19290D	634690
SGE IS 20-0/15 1-RAIL 2-SIDE	19290D	634691
SGE IS 20-0/21 1-RAIL 2-SIDE	19290D	634692
SGE IS 20-0/27 1-RAIL 2-SIDE	19290D	634693
SGE IS 20-0/33 1-RAIL 2-SIDE	19290D	634694
SGE IS 20-0/39 1-RAIL 2-SIDE	19290D	634695

IS = Good for Conveyor Channel Depth of 5" to 7".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGE 90 Degree Adjustable Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGE IS 90 DEG 16 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635460
SGE IS 90 DEG 22 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635461
SGE IS 90 DEG 22 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635462
SGE IS 90 DEG 28 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635463
SGE IS 90 DEG 28 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635464
SGE IS 90 DEG 34 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635465
SGE IS 90 DEG 34 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635466
SGE IS 90 DEG 40 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635467
SGE IS 90 DEG 40 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635468
SGE IS 90 DEG 15 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635469
SGE IS 90 DEG 21 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635470
SGE IS 90 DEG 21 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635471
SGE IS 90 DEG 27 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635472
SGE IS 90 DEG 27 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635473
SGE IS 90 DEG 33 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635474
SGE IS 90 DEG 33 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635475
SGE IS 90 DEG 39 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635476
SGE IS 90 DEG 39 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635477
SGE IS 90 DEG 16 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635532
SGE IS 90 DEG 22 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635533
SGE IS 90 DEG 22 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635534
SGE IS 90 DEG 28 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635535
SGE IS 90 DEG 28 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635536
SGE IS 90 DEG 34 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635537
SGE IS 90 DEG 34 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635538
SGE IS 90 DEG 40 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635539
SGE IS 90 DEG 40 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635540
SGE IS 90 DEG 15 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635541
SGE IS 90 DEG 21 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635542
SGE IS 90 DEG 21 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635543
SGE IS 90 DEG 27 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635544
SGE IS 90 DEG 27 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635545
SGE IS 90 DEG 33 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635546
SGE IS 90 DEG 33 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635547
SGE IS 90 DEG 39 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635548
SGE IS 90 DEG 39 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635549

IS = Good for Conveyor Channel Depth of 5" to 7".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGE 60 Degree Adjustable Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGE IS 60 DEG 16 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635478
SGE IS 60 DEG 22 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635479
SGE IS 60 DEG 22 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635480
SGE IS 60 DEG 28 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635481
SGE IS 60 DEG 28 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635482
SGE IS 60 DEG 34 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635483
SGE IS 60 DEG 34 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635484
SGE IS 60 DEG 40 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635485
SGE IS 60 DEG 40 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635486
SGE IS 60 DEG 15 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635487
SGE IS 60 DEG 21 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635488
SGE IS 60 DEG 21 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635489
SGE IS 60 DEG 27 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635490
SGE IS 60 DEG 27 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635491
SGE IS 60 DEG 33 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635492
SGE IS 60 DEG 33 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635493
SGE IS 60 DEG 39 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635494
SGE IS 60 DEG 39 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635495
SGE IS 60 DEG 16 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635550
SGE IS 60 DEG 22 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635551
SGE IS 60 DEG 22 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635552
SGE IS 60 DEG 28 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635553
SGE IS 60 DEG 28 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635554
SGE IS 60 DEG 34 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635555
SGE IS 60 DEG 34 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635556
SGE IS 60 DEG 40 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635557
SGE IS 60 DEG 40 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635558
SGE IS 60 DEG 15 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635559
SGE IS 60 DEG 21 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635560
SGE IS 60 DEG 21 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635561
SGE IS 60 DEG 27 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635562
SGE IS 60 DEG 27 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635563
SGE IS 60 DEG 33 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635564
SGE IS 60 DEG 33 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635565
SGE IS 60 DEG 39 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635566
SGE IS 60 DEG 39 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635567

IS = Good for Conveyor Channel Depth of 5" to 7".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGE 45 Degree Adjustable Single Channel Height

### Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGE IS 45 DEG 16 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635496
SGE IS 45 DEG 22 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635497
SGE IS 45 DEG 22 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635498
SGE IS 45 DEG 28 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635499
SGE IS 45 DEG 28 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635500
SGE IS 45 DEG 34 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635501
SGE IS 45 DEG 34 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635502
SGE IS 45 DEG 40 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635503
SGE IS 45 DEG 40 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635504
SGE IS 45 DEG 15 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635505
SGE IS 45 DEG 21 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635506
SGE IS 45 DEG 21 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635507
SGE IS 45 DEG 27 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635508
SGE IS 45 DEG 27 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635509
SGE IS 45 DEG 33 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635510
SGE IS 45 DEG 33 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635511
SGE IS 45 DEG 39 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635512
SGE IS 45 DEG 39 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635513
SGE IS 45 DEG 16 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635568
SGE IS 45 DEG 22 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635569
SGE IS 45 DEG 22 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635570
SGE IS 45 DEG 28 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635571
SGE IS 45 DEG 28 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635572
SGE IS 45 DEG 34 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635573
SGE IS 45 DEG 34 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635574
SGE IS 45 DEG 40 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635575
SGE IS 45 DEG 40 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635576
SGE IS 45 DEG 15 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635577
SGE IS 45 DEG 21 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635578
SGE IS 45 DEG 21 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635579
SGE IS 45 DEG 27 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635580
SGE IS 45 DEG 27 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635581
SGE IS 45 DEG 33 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635582
SGE IS 45 DEG 33 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635583
SGE IS 45 DEG 39 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635584
SGE IS 45 DEG 39 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635585

IS = Good for Conveyor Channel Depth of 5" to 7".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.



## SGE 30 Degree Adjustable Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGE IS 30 DEG 16 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635514
SGE IS 30 DEG 22 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635515
SGE IS 30 DEG 22 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635516
SGE IS 30 DEG 28 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635517
SGE IS 30 DEG 28 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635518
SGE IS 30 DEG 34 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635519
SGE IS 30 DEG 34 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635520
SGE IS 30 DEG 40 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635521
SGE IS 30 DEG 40 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635522
SGE IS 30 DEG 15 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635523
SGE IS 30 DEG 21 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635524
SGE IS 30 DEG 21 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635525
SGE IS 30 DEG 27 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635526
SGE IS 30 DEG 27 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635527
SGE IS 30 DEG 33 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635528
SGE IS 30 DEG 33 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635529
SGE IS 30 DEG 39 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635530
SGE IS 30 DEG 39 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635531
SGE IS 30 DEG 16 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635586
SGE IS 30 DEG 22 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635587
SGE IS 30 DEG 22 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635588
SGE IS 30 DEG 28 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635589
SGE IS 30 DEG 28 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635590
SGE IS 30 DEG 34 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635591
SGE IS 30 DEG 34 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635592
SGE IS 30 DEG 40 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635593
SGE IS 30 DEG 40 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635594
SGE IS 30 DEG 15 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635595
SGE IS 30 DEG 21 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635596
SGE IS 30 DEG 21 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635597
SGE IS 30 DEG 27 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635598
SGE IS 30 DEG 27 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635599
SGE IS 30 DEG 33 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635600
SGE IS 30 DEG 33 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635601
SGE IS 30 DEG 39 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635602
SGE IS 30 DEG 39 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635603

IS = Good for Conveyor Channel Depth of 5" to 7".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGE Adjustable Single Channel Height

Item Class D 2 1 1

DESCRIPTION	DWG. NO.	PART NO.
SGE DRV 20-0/10 1-RAIL 1-SIDE	19290D	634744
SGE DRV 20-0/16 1-RAIL 1-SIDE	19290D	634745
SGE DRV 20-0/22 1-RAIL 1-SIDE	19290D	634746
SGE DRV 20-0/28 1-RAIL 1-SIDE	19290D	634747
SGE DRV 20-0/34 1-RAIL 1-SIDE	19290D	634748
SGE DRV 20-0/40 1-RAIL 1-SIDE	19290D	634749
SGE DRV 20-0/12 1-RAIL 1-SIDE	19290D	634750
SGE DRV 20-0/15 1-RAIL 1-SIDE	19290D	634751
SGE DRV 20-0/21 1-RAIL 1-SIDE	19290D	634752
SGE DRV 20-0/27 1-RAIL 1-SIDE	19290D	634753
SGE DRV 20-0/33 1-RAIL 1-SIDE	19290D	634754
SGE DRV 20-0/39 1-RAIL 1-SIDE	19290D	634755
SGE DRV 20-0/10 1-RAIL 2-SIDE	19290D	634756
SGE DRV 20-0/16 1-RAIL 2-SIDE	19290D	634757
SGE DRV 20-0/22 1-RAIL 2-SIDE	19290D	634758
SGE DRV 20-0/28 1-RAIL 2-SIDE	19290D	634759
SGE DRV 20-0/34 1-RAIL 2-SIDE	19290D	634760
SGE DRV 20-0/40 1-RAIL 2-SIDE	19290D	634761
SGE DRV 20-0/12 1-RAIL 2-SIDE	19290D	634762
SGE DRV 20-0/15 1-RAIL 2-SIDE	19290D	634763
SGE DRV 20-0/21 1-RAIL 2-SIDE	19290D	634764
SGE DRV 20-0/27 1-RAIL 2-SIDE	19290D	634765
SGE DRV 20-0/33 1-RAIL 2-SIDE	19290D	634766
SGE DRV 20-0/39 1-RAIL 2-SIDE	19290D	634767

DRV = Good for Conveyor Channel Depth of 9" to 11".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGE 90 Degree Adjustable Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGE DRV 90 DEG 16 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635784
SGE DRV 90 DEG 22 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635785
SGE DRV 90 DEG 22 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635786
SGE DRV 90 DEG 28 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635787
SGE DRV 90 DEG 28 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635788
SGE DRV 90 DEG 34 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635789
SGE DRV 90 DEG 34 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635790
SGE DRV 90 DEG 40 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635791
SGE DRV 90 DEG 40 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635792
SGE DRV 90 DEG 15 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635793
SGE DRV 90 DEG 21 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635794
SGE DRV 90 DEG 21 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635795
SGE DRV 90 DEG 27 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635796
SGE DRV 90 DEG 27 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635797
SGE DRV 90 DEG 33 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635798
SGE DRV 90 DEG 33 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635799
SGE DRV 90 DEG 39 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635800
SGE DRV 90 DEG 39 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635801
SGE DRV 90 DEG 16 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635856
SGE DRV 90 DEG 22 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635857
SGE DRV 90 DEG 22 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635858
SGE DRV 90 DEG 28 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635859
SGE DRV 90 DEG 28 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635860
SGE DRV 90 DEG 34 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635861
SGE DRV 90 DEG 34 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635862
SGE DRV 90 DEG 40 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635863
SGE DRV 90 DEG 40 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635864
SGE DRV 90 DEG 15 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635865
SGE DRV 90 DEG 21 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635866
SGE DRV 90 DEG 21 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635867
SGE DRV 90 DEG 27 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635868
SGE DRV 90 DEG 27 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635869
SGE DRV 90 DEG 33 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635870
SGE DRV 90 DEG 33 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635871
SGE DRV 90 DEG 39 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635872
SGE DRV 90 DEG 39 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635873

DRV = Good for Conveyor Channel Depth of 9" to 11".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGE 60 Degree Adjustable Single Channel Height

### Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGE DRV 60 DEG 16 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635802
SGE DRV 60 DEG 22 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635803
SGE DRV 60 DEG 22 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635804
SGE DRV 60 DEG 28 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635805
SGE DRV 60 DEG 28 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635806
SGE DRV 60 DEG 34 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635807
SGE DRV 60 DEG 34 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635808
SGE DRV 60 DEG 40 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635809
SGE DRV 60 DEG 40 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635810
SGE DRV 60 DEG 15 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635811
SGE DRV 60 DEG 21 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635812
SGE DRV 60 DEG 21 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635813
SGE DRV 60 DEG 27 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635814
SGE DRV 60 DEG 27 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635815
SGE DRV 60 DEG 33 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635816
SGE DRV 60 DEG 33 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635817
SGE DRV 60 DEG 39 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635818
SGE DRV 60 DEG 39 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635819
SGE DRV 60 DEG 16 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635874
SGE DRV 60 DEG 22 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635875
SGE DRV 60 DEG 22 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635876
SGE DRV 60 DEG 28 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635877
SGE DRV 60 DEG 28 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635878
SGE DRV 60 DEG 34 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635879
SGE DRV 60 DEG 34 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635880
SGE DRV 60 DEG 40 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635881
SGE DRV 60 DEG 40 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635882
SGE DRV 60 DEG 15 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635883
SGE DRV 60 DEG 21 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635884
SGE DRV 60 DEG 21 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635885
SGE DRV 60 DEG 27 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635886
SGE DRV 60 DEG 27 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635887
SGE DRV 60 DEG 33 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635888
SGE DRV 60 DEG 33 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635889
SGE DRV 60 DEG 39 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635890
SGE DRV 60 DEG 39 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635891

DRV = Good for Conveyor Channel Depth of 9" to 11".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGE 45 Degree Adjustable Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGE DRV 45 DEG 16 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635820
SGE DRV 45 DEG 22 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635821
SGE DRV 45 DEG 22 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635822
SGE DRV 45 DEG 28 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635823
SGE DRV 45 DEG 28 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635824
SGE DRV 45 DEG 34 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635825
SGE DRV 45 DEG 34 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635826
SGE DRV 45 DEG 40 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635827
SGE DRV 45 DEG 40 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635828
SGE DRV 45 DEG 15 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635829
SGE DRV 45 DEG 21 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635830
SGE DRV 45 DEG 21 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635831
SGE DRV 45 DEG 27 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635832
SGE DRV 45 DEG 27 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635833
SGE DRV 45 DEG 33 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635834
SGE DRV 45 DEG 33 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635835
SGE DRV 45 DEG 39 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635836
SGE DRV 45 DEG 39 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635837
SGE DRV 45 DEG 16 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635892
SGE DRV 45 DEG 22 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635893
SGE DRV 45 DEG 22 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635894
SGE DRV 45 DEG 28 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635895
SGE DRV 45 DEG 28 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635896
SGE DRV 45 DEG 34 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635897
SGE DRV 45 DEG 34 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635898
SGE DRV 45 DEG 40 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635899
SGE DRV 45 DEG 40 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635900
SGE DRV 45 DEG 15 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635901
SGE DRV 45 DEG 21 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635902
SGE DRV 45 DEG 21 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635903
SGE DRV 45 DEG 27 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635904
SGE DRV 45 DEG 27 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635905
SGE DRV 45 DEG 33 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635906
SGE DRV 45 DEG 33 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635907
SGE DRV 45 DEG 39 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635908
SGE DRV 45 DEG 39 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635909

DRV = Good for Conveyor Channel Depth of 9" to 11".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGE 30 Degree Adjustable Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGE DRV 30 DEG 16 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635838
SGE DRV 30 DEG 22 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635839
SGE DRV 30 DEG 22 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635840
SGE DRV 30 DEG 28 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635841
SGE DRV 30 DEG 28 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635842
SGE DRV 30 DEG 34 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635843
SGE DRV 30 DEG 34 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635844
SGE DRV 30 DEG 40 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635845
SGE DRV 30 DEG 40 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635846
SGE DRV 30 DEG 15 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635847
SGE DRV 30 DEG 21 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635848
SGE DRV 30 DEG 21 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635849
SGE DRV 30 DEG 27 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635850
SGE DRV 30 DEG 27 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635851
SGE DRV 30 DEG 33 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635852
SGE DRV 30 DEG 33 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635853
SGE DRV 30 DEG 39 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635854
SGE DRV 30 DEG 39 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635855
SGE DRV 30 DEG 16 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635910
SGE DRV 30 DEG 22 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635911
SGE DRV 30 DEG 22 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635912
SGE DRV 30 DEG 28 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635913
SGE DRV 30 DEG 28 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635914
SGE DRV 30 DEG 34 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635915
SGE DRV 30 DEG 34 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635916
SGE DRV 30 DEG 40 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635917
SGE DRV 30 DEG 40 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635918
SGE DRV 30 DEG 15 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635919
SGE DRV 30 DEG 21 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635920
SGE DRV 30 DEG 21 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635921
SGE DRV 30 DEG 27 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635922
SGE DRV 30 DEG 27 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635923
SGE DRV 30 DEG 33 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635924
SGE DRV 30 DEG 33 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635925
SGE DRV 30 DEG 39 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635926
SGE DRV 30 DEG 39 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635927

DRV = Good for Conveyor Channel Depth of 9" to 11".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGE Adjustable Single Channel Height

Item Class D 2 1 1

DESCRIPTION	DWG. NO.	PART NO.
SGE GRAV 20-0/10 1-RAIL 1-SIDE	19290D	634600
SGE GRAV 20-0/16 1-RAIL 1-SIDE	19290D	634601
SGE GRAV 20-0/22 1-RAIL 1-SIDE	19290D	634602
SGE GRAV 20-0/28 1-RAIL 1-SIDE	19290D	634603
SGE GRAV 20-0/34 1-RAIL 1-SIDE	19290D	634604
SGE GRAV 20-0/40 1-RAIL 1-SIDE	19290D	634605
SGE GRAV 20-0/12 1-RAIL 1-SIDE	19290D	634606
SGE GRAV 20-0/15 1-RAIL 1-SIDE	19290D	634607
SGE GRAV 20-0/21 1-RAIL 1-SIDE	19290D	634608
SGE GRAV 20-0/27 1-RAIL 1-SIDE	19290D	634609
SGE GRAV 20-0/33 1-RAIL 1-SIDE	19290D	634610
SGE GRAV 20-0/39 1-RAIL 1-SIDE	19290D	634611
SGE GRAV 20-0/10 1-RAIL 2-SIDE	19290D	634612
SGE GRAV 20-0/16 1-RAIL 2-SIDE	19290D	634613
SGE GRAV 20-0/22 1-RAIL 2-SIDE	19290D	634614
SGE GRAV 20-0/28 1-RAIL 2-SIDE	19290D	634615
SGE GRAV 20-0/34 1-RAIL 2-SIDE	19290D	634616
SGE GRAV 20-0/40 1-RAIL 2-SIDE	19290D	634617
SGE GRAV 20-0/12 1-RAIL 2-SIDE	19290D	634618
SGE GRAV 20-0/15 1-RAIL 2-SIDE	19290D	634619
SGE GRAV 20-0/21 1-RAIL 2-SIDE	19290D	634620
SGE GRAV 20-0/27 1-RAIL 2-SIDE	19290D	634621
SGE GRAV 20-0/33 1-RAIL 2-SIDE	19290D	634622
SGE GRAV 20-0/39 1-RAIL 2-SIDE	19290D	634623

GRAV = Good for Channel Depth of 2" to 4".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGE 90 Degree Adjustable Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGE GRAV 90 DEG 10 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635100
SGE GRAV 90 DEG 16 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635101
SGE GRAV 90 DEG 22 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635102
SGE GRAV 90 DEG 22 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635103
SGE GRAV 90 DEG 28 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635104
SGE GRAV 90 DEG 28 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635105
SGE GRAV 90 DEG 34 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635106
SGE GRAV 90 DEG 34 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635107
SGE GRAV 90 DEG 40 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635108
SGE GRAV 90 DEG 40 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635109
SGE GRAV 90 DEG 12 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635110
SGE GRAV 90 DEG 15 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635111
SGE GRAV 90 DEG 21 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635112
SGE GRAV 90 DEG 21 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635113
SGE GRAV 90 DEG 27 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635114
SGE GRAV 90 DEG 27 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635115
SGE GRAV 90 DEG 33 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635116
SGE GRAV 90 DEG 33 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635117
SGE GRAV 90 DEG 39 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635118
SGE GRAV 90 DEG 39 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635119
SGE GRAV 90 DEG 10 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635180
SGE GRAV 90 DEG 16 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635181
SGE GRAV 90 DEG 22 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635182
SGE GRAV 90 DEG 22 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635183
SGE GRAV 90 DEG 28 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635184
SGE GRAV 90 DEG 28 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635185
SGE GRAV 90 DEG 34 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635186
SGE GRAV 90 DEG 34 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635187
SGE GRAV 90 DEG 40 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635188
SGE GRAV 90 DEG 40 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635189
SGE GRAV 90 DEG 12 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635190
SGE GRAV 90 DEG 15 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635191
SGE GRAV 90 DEG 21 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635192
SGE GRAV 90 DEG 21 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635193
SGE GRAV 90 DEG 27 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635194
SGE GRAV 90 DEG 27 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635195
SGE GRAV 90 DEG 33 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635196
SGE GRAV 90 DEG 33 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635197
SGE GRAV 90 DEG 39 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635198
SGE GRAV 90 DEG 39 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635199

GRAV = Good for Conveyor Channel Depth of 2" to 4".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.



## SGE 60 Degree Adjustable Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGE GRAV 60 DEG 10 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635120
SGE GRAV 60 DEG 16 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635121
SGE GRAV 60 DEG 22 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635122
SGE GRAV 60 DEG 22 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635123
SGE GRAV 60 DEG 28 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635124
SGE GRAV 60 DEG 28 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635125
SGE GRAV 60 DEG 34 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635126
SGE GRAV 60 DEG 34 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635127
SGE GRAV 60 DEG 40 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635128
SGE GRAV 60 DEG 40 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635129
SGE GRAV 60 DEG 12 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635130
SGE GRAV 60 DEG 15 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635131
SGE GRAV 60 DEG 21 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635132
SGE GRAV 60 DEG 21 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635133
SGE GRAV 60 DEG 27 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635134
SGE GRAV 60 DEG 27 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635135
SGE GRAV 60 DEG 33 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635136
SGE GRAV 60 DEG 33 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635137
SGE GRAV 60 DEG 39 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635138
SGE GRAV 60 DEG 39 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635139
SGE GRAV 60 DEG 10 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635200
SGE GRAV 60 DEG 16 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635201
SGE GRAV 60 DEG 22 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635202
SGE GRAV 60 DEG 22 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635203
SGE GRAV 60 DEG 28 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635204
SGE GRAV 60 DEG 28 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635205
SGE GRAV 60 DEG 34 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635206
SGE GRAV 60 DEG 34 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635207
SGE GRAV 60 DEG 40 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635208
SGE GRAV 60 DEG 40 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635209
SGE GRAV 60 DEG 12 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635210
SGE GRAV 60 DEG 15 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635211
SGE GRAV 60 DEG 21 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635212
SGE GRAV 60 DEG 21 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635213
SGE GRAV 60 DEG 27 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635214
SGE GRAV 60 DEG 27 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635215
SGE GRAV 60 DEG 33 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635216
SGE GRAV 60 DEG 33 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635217
SGE GRAV 60 DEG 39 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635218
SGE GRAV 60 DEG 39 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635219

GRAV = Good for Conveyor Channel Depth of 2" to 4".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGE 45 Degree Adjustable Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGE GRAV 45 DEG 10 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635140
SGE GRAV 45 DEG 16 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635141
SGE GRAV 45 DEG 22 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635142
SGE GRAV 45 DEG 22 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635143
SGE GRAV 45 DEG 28 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635144
SGE GRAV 45 DEG 28 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635145
SGE GRAV 45 DEG 34 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635146
SGE GRAV 45 DEG 34 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635147
SGE GRAV 45 DEG 40 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635148
SGE GRAV 45 DEG 40 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635149
SGE GRAV 45 DEG 12 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635150
SGE GRAV 45 DEG 15 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635151
SGE GRAV 45 DEG 21 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635152
SGE GRAV 45 DEG 21 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635153
SGE GRAV 45 DEG 27 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635154
SGE GRAV 45 DEG 27 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635155
SGE GRAV 45 DEG 33 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635156
SGE GRAV 45 DEG 33 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635157
SGE GRAV 45 DEG 39 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635158
SGE GRAV 45 DEG 39 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635159
SGE GRAV 45 DEG 10 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635220
SGE GRAV 45 DEG 16 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635221
SGE GRAV 45 DEG 22 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635222
SGE GRAV 45 DEG 22 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635223
SGE GRAV 45 DEG 28 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635224
SGE GRAV 45 DEG 28 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635225
SGE GRAV 45 DEG 34 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635226
SGE GRAV 45 DEG 34 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635227
SGE GRAV 45 DEG 40 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635228
SGE GRAV 45 DEG 40 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635229
SGE GRAV 45 DEG 12 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635230
SGE GRAV 45 DEG 15 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635231
SGE GRAV 45 DEG 21 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635232
SGE GRAV 45 DEG 21 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635233
SGE GRAV 45 DEG 27 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635234
SGE GRAV 45 DEG 27 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635235
SGE GRAV 45 DEG 33 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635236
SGE GRAV 45 DEG 33 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635237
SGE GRAV 45 DEG 39 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635238
SGE GRAV 45 DEG 39 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635239

GRAV = Good for Conveyor Channel Depth of 2" to 4".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGE 30 Degree Adjustable Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGE GRAV 30 DEG 10 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635160
SGE GRAV 30 DEG 16 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635161
SGE GRAV 30 DEG 22 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635162
SGE GRAV 30 DEG 22 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635163
SGE GRAV 30 DEG 28 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635164
SGE GRAV 30 DEG 28 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635165
SGE GRAV 30 DEG 34 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635166
SGE GRAV 30 DEG 34 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635167
SGE GRAV 30 DEG 40 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635168
SGE GRAV 30 DEG 40 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635169
SGE GRAV 30 DEG 12 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635170
SGE GRAV 30 DEG 15 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635171
SGE GRAV 30 DEG 21 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635172
SGE GRAV 30 DEG 21 3-4 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635173
SGE GRAV 30 DEG 27 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635174
SGE GRAV 30 DEG 27 4-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635175
SGE GRAV 30 DEG 33 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635176
SGE GRAV 30 DEG 33 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635177
SGE GRAV 30 DEG 39 2-6 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635178
SGE GRAV 30 DEG 39 5-0 1-RAIL 1-SIDE <i>(outside)</i>	19290D	635179
SGE GRAV 30 DEG 10 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635240
SGE GRAV 30 DEG 16 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635241
SGE GRAV 30 DEG 22 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635242
SGE GRAV 30 DEG 22 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635243
SGE GRAV 30 DEG 28 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635244
SGE GRAV 30 DEG 28 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635245
SGE GRAV 30 DEG 34 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635246
SGE GRAV 30 DEG 34 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635247
SGE GRAV 30 DEG 40 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635248
SGE GRAV 30 DEG 40 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635249
SGE GRAV 30 DEG 12 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635250
SGE GRAV 30 DEG 15 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635251
SGE GRAV 30 DEG 21 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635252
SGE GRAV 30 DEG 21 3-4 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635253
SGE GRAV 30 DEG 27 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635254
SGE GRAV 30 DEG 27 4-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635255
SGE GRAV 30 DEG 33 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635256
SGE GRAV 30 DEG 33 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635257
SGE GRAV 30 DEG 39 2-6 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635258
SGE GRAV 30 DEG 39 5-0 1-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635259

GRAV = Good for Conveyor Channel Depth of 2" to 4".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGF Adjustable Double Channel Height

Item Class D 2 1 1

DESCRIPTION	DWG. NO.	PART NO.
SGF IS 20-0/10 2-RAIL 2-SIDE	19290D	634708
SGF IS 20-0/16 2-RAIL 2-SIDE	19290D	634709
SGF IS 20-0/22 2-RAIL 2-SIDE	19290D	634710
SGF IS 20-0/28 2-RAIL 2-SIDE	19290D	634711
SGF IS 20-0/34 2-RAIL 2-SIDE	19290D	634712
SGF IS 20-0/40 2-RAIL 2-SIDE	19290D	634713
SGF IS 20-0/12 2-RAIL 2-SIDE	19290D	634714
SGF IS 20-0/15 2-RAIL 2-SIDE	19290D	634715
SGF IS 20-0/21 2-RAIL 2-SIDE	19290D	634716
SGF IS 20-0/27 2-RAIL 2-SIDE	19290D	634717
SGF IS 20-0/33 2-RAIL 2-SIDE	19290D	634718
SGF IS 20-0/39 2-RAIL 2-SIDE	19290D	634719

IS = Good for Conveyor Channel Depth of 5" to 7".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGF 90 and 60 Degree Adjustable Double Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGF IS 90 DEG 16 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635604
SGF IS 90 DEG 22 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635605
SGF IS 90 DEG 22 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635606
SGF IS 90 DEG 28 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635607
SGF IS 90 DEG 28 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635608
SGF IS 90 DEG 34 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635609
SGF IS 90 DEG 34 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635610
SGF IS 90 DEG 40 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635611
SGF IS 90 DEG 40 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635612
SGF IS 90 DEG 15 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635613
SGF IS 90 DEG 21 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635614
SGF IS 90 DEG 21 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635615
SGF IS 90 DEG 27 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635616
SGF IS 90 DEG 27 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635617
SGF IS 90 DEG 33 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635618
SGF IS 90 DEG 33 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635619
SGF IS 90 DEG 39 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635620
SGF IS 90 DEG 39 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635621
SGF IS 60 DEG 16 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635622
SGF IS 60 DEG 22 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635623
SGF IS 60 DEG 22 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635624
SGF IS 60 DEG 28 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635625
SGF IS 60 DEG 28 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635626
SGF IS 60 DEG 34 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635627
SGF IS 60 DEG 34 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635628
SGF IS 60 DEG 40 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635629
SGF IS 60 DEG 40 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635630
SGF IS 60 DEG 15 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635631
SGF IS 60 DEG 21 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635632
SGF IS 60 DEG 21 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635633
SGF IS 60 DEG 27 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635634
SGF IS 60 DEG 27 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635635
SGF IS 60 DEG 33 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635636
SGF IS 60 DEG 33 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635637
SGF IS 60 DEG 39 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635638
SGF IS 60 DEG 39 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635639

IS = Good for Conveyor Channel Depth of 5" to 7".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGF 45 and 30 Degree Adjustable Double Channel Height

### Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGF IS 45 DEG 16 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635640
SGF IS 45 DEG 22 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635641
SGF IS 45 DEG 22 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635642
SGF IS 45 DEG 28 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635643
SGF IS 45 DEG 28 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635644
SGF IS 45 DEG 34 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635645
SGF IS 45 DEG 34 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635646
SGF IS 45 DEG 40 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635647
SGF IS 45 DEG 40 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635648
SGF IS 45 DEG 15 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635649
SGF IS 45 DEG 21 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635650
SGF IS 45 DEG 21 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635651
SGF IS 45 DEG 27 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635652
SGF IS 45 DEG 27 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635653
SGF IS 45 DEG 33 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635654
SGF IS 45 DEG 33 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635655
SGF IS 45 DEG 39 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635656
SGF IS 45 DEG 39 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635657
SGF IS 30 DEG 16 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635658
SGF IS 30 DEG 22 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635659
SGF IS 30 DEG 22 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635660
SGF IS 30 DEG 28 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635661
SGF IS 30 DEG 28 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635662
SGF IS 30 DEG 34 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635663
SGF IS 30 DEG 34 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635664
SGF IS 30 DEG 40 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635665
SGF IS 30 DEG 40 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635666
SGF IS 30 DEG 15 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635667
SGF IS 30 DEG 21 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635668
SGF IS 30 DEG 21 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635669
SGF IS 30 DEG 27 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635670
SGF IS 30 DEG 27 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635671
SGF IS 30 DEG 33 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635672
SGF IS 30 DEG 33 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635673
SGF IS 30 DEG 39 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635674
SGF IS 30 DEG 39 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635675

IS = Good for Conveyor Channel Depth of 5" to 7".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGF Adjustable Double Channel Height

Item Class D 2 1 1

DESCRIPTION	DWG. NO.	PART NO.
SGF DRV 20-0/16 2-RAIL 2-SIDE	19290D	634781
SGF DRV 20-0/22 2-RAIL 2-SIDE	19290D	634782
SGF DRV 20-0/28 2-RAIL 2-SIDE	19290D	634783
SGF DRV 20-0/34 2-RAIL 2-SIDE	19290D	634784
SGF DRV 20-0/40 2-RAIL 2-SIDE	19290D	634785
SGF DRV 20-0/15 2-RAIL 2-SIDE	19290D	634787
SGF DRV 20-0/21 2-RAIL 2-SIDE	19290D	634788
SGF DRV 20-0/27 2-RAIL 2-SIDE	19290D	634789
SGF DRV 20-0/33 2-RAIL 2-SIDE	19290D	634790
SGF DRV 20-0/39 2-RAIL 2-SIDE	19290D	634791

DRV = Good for Conveyor Channel Depth of 9" to 11".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGF 90 and 60 Degree Adjustable Double Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGF DRV 90 DEG 16 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635928
SGF DRV 90 DEG 22 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635929
SGF DRV 90 DEG 22 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635930
SGF DRV 90 DEG 28 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635931
SGF DRV 90 DEG 28 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635932
SGF DRV 90 DEG 34 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635933
SGF DRV 90 DEG 34 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635934
SGF DRV 90 DEG 40 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635935
SGF DRV 90 DEG 40 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635936
SGF DRV 90 DEG 15 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635937
SGF DRV 90 DEG 21 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635938
SGF DRV 90 DEG 21 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635939
SGF DRV 90 DEG 27 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635940
SGF DRV 90 DEG 27 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635941
SGF DRV 90 DEG 33 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635942
SGF DRV 90 DEG 33 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635943
SGF DRV 90 DEG 39 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635944
SGF DRV 90 DEG 39 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635945
SGF DRV 60 DEG 16 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635946
SGF DRV 60 DEG 22 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635947
SGF DRV 60 DEG 22 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635948
SGF DRV 60 DEG 28 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635949
SGF DRV 60 DEG 28 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635950
SGF DRV 60 DEG 34 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635951
SGF DRV 60 DEG 34 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635952
SGF DRV 60 DEG 40 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635953
SGF DRV 60 DEG 40 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635954
SGF DRV 60 DEG 15 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635955
SGF DRV 60 DEG 21 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635956
SGF DRV 60 DEG 21 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635957
SGF DRV 60 DEG 27 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635958
SGF DRV 60 DEG 27 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635959
SGF DRV 60 DEG 33 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635960
SGF DRV 60 DEG 33 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635961
SGF DRV 60 DEG 39 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635962
SGF DRV 60 DEG 39 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635963

DRV = Good for Conveyor Channel Depth of 9" to 11".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.



## SGF 45 and 30 Degree Adjustable Double Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGF DRV 45 DEG 16 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635964
SGF DRV 45 DEG 22 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635965
SGF DRV 45 DEG 22 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635966
SGF DRV 45 DEG 28 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635967
SGF DRV 45 DEG 28 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635968
SGF DRV 45 DEG 34 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635969
SGF DRV 45 DEG 34 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635970
SGF DRV 45 DEG 40 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635971
SGF DRV 45 DEG 40 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635972
SGF DRV 45 DEG 15 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635973
SGF DRV 45 DEG 21 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635974
SGF DRV 45 DEG 21 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635975
SGF DRV 45 DEG 27 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635976
SGF DRV 45 DEG 27 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635977
SGF DRV 45 DEG 33 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635978
SGF DRV 45 DEG 33 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635979
SGF DRV 45 DEG 39 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635980
SGF DRV 45 DEG 39 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635981
SGF DRV 30 DEG 16 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635982
SGF DRV 30 DEG 22 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635983
SGF DRV 30 DEG 22 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635984
SGF DRV 30 DEG 28 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635985
SGF DRV 30 DEG 28 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635986
SGF DRV 30 DEG 34 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635987
SGF DRV 30 DEG 34 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635988
SGF DRV 30 DEG 40 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635989
SGF DRV 30 DEG 40 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635990
SGF DRV 30 DEG 15 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635991
SGF DRV 30 DEG 21 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635992
SGF DRV 30 DEG 21 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635993
SGF DRV 30 DEG 27 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635994
SGF DRV 30 DEG 27 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635995
SGF DRV 30 DEG 33 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635996
SGF DRV 30 DEG 33 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635997
SGF DRV 30 DEG 39 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635998
SGF DRV 30 DEG 39 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635999

DRV = Good for Conveyor Channel Depth of 9" to 11".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGF Adjustable Double Channel Height

Item Class D 2 1 1

DESCRIPTION	DWG. NO.	PART NO.
SGF GRAV 20-0/10 2-RAIL 2-SIDE	19290D	634636
SGF GRAV 20-0/16 2-RAIL 2-SIDE	19290D	634637
SGF GRAV 20-0/22 2-RAIL 2-SIDE	19290D	634638
SGF GRAV 20-0/28 2-RAIL 2-SIDE	19290D	634639
SGF GRAV 20-0/34 2-RAIL 2-SIDE	19290D	634640
SGF GRAV 20-0/40 2-RAIL 2-SIDE	19290D	634641
SGF GRAV 20-0/12 2-RAIL 2-SIDE	19290D	634642
SGF GRAV 20-0/15 2-RAIL 2-SIDE	19290D	634643
SGF GRAV 20-0/21 2-RAIL 2-SIDE	19290D	634644
SGF GRAV 20-0/27 2-RAIL 2-SIDE	19290D	634645
SGF GRAV 20-0/33 2-RAIL 2-SIDE	19290D	634646
SGF GRAV 20-0/39 2-RAIL 2-SIDE	19290D	634647

GRAV = Good for Conveyor Channel Depth of 2" to 4".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGF 90 and 60 Degree Adjustable Double Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGF GRAV 90 DEG 10 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635260
SGF GRAV 90 DEG 16 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635261
SGF GRAV 90 DEG 22 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635262
SGF GRAV 90 DEG 22 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635263
SGF GRAV 90 DEG 28 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635264
SGF GRAV 90 DEG 28 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635265
SGF GRAV 90 DEG 34 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635266
SGF GRAV 90 DEG 34 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635267
SGF GRAV 90 DEG 40 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635268
SGF GRAV 90 DEG 40 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635269
SGF GRAV 90 DEG 12 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635270
SGF GRAV 90 DEG 15 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635271
SGF GRAV 90 DEG 21 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635272
SGF GRAV 90 DEG 21 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635273
SGF GRAV 90 DEG 27 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635274
SGF GRAV 90 DEG 27 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635275
SGF GRAV 90 DEG 33 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635276
SGF GRAV 90 DEG 33 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635277
SGF GRAV 90 DEG 39 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635278
SGF GRAV 90 DEG 39 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635279
SGF GRAV 60 DEG 10 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635280
SGF GRAV 60 DEG 16 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635281
SGF GRAV 60 DEG 22 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635282
SGF GRAV 60 DEG 22 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635283
SGF GRAV 60 DEG 28 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635284
SGF GRAV 60 DEG 28 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635285
SGF GRAV 60 DEG 34 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635286
SGF GRAV 60 DEG 34 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635287
SGF GRAV 60 DEG 40 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635288
SGF GRAV 60 DEG 40 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635289
SGF GRAV 60 DEG 12 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635290
SGF GRAV 60 DEG 15 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635291
SGF GRAV 60 DEG 21 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635292
SGF GRAV 60 DEG 21 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635293
SGF GRAV 60 DEG 27 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635294
SGF GRAV 60 DEG 27 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635295
SGF GRAV 60 DEG 33 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635296
SGF GRAV 60 DEG 33 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635297
SGF GRAV 60 DEG 39 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635298
SGF GRAV 60 DEG 39 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635299

GRAV = Good for Conveyor Channel Depth of 2" to 4".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGF 45 and 30 Degree Adjustable Double Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGF GRAV 45 DEG 10 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635300
SGF GRAV 45 DEG 16 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635301
SGF GRAV 45 DEG 22 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635302
SGF GRAV 45 DEG 22 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635303
SGF GRAV 45 DEG 28 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635304
SGF GRAV 45 DEG 28 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635305
SGF GRAV 45 DEG 34 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635306
SGF GRAV 45 DEG 34 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635307
SGF GRAV 45 DEG 40 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635308
SGF GRAV 45 DEG 40 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635309
SGF GRAV 45 DEG 12 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635310
SGF GRAV 45 DEG 15 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635311
SGF GRAV 45 DEG 21 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635312
SGF GRAV 45 DEG 21 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635313
SGF GRAV 45 DEG 27 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635314
SGF GRAV 45 DEG 27 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635315
SGF GRAV 45 DEG 33 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635316
SGF GRAV 45 DEG 33 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635317
SGF GRAV 45 DEG 39 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635318
SGF GRAV 45 DEG 39 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635319
SGF GRAV 30 DEG 10 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635320
SGF GRAV 30 DEG 16 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635321
SGF GRAV 30 DEG 22 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635322
SGF GRAV 30 DEG 22 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635323
SGF GRAV 30 DEG 28 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635324
SGF GRAV 30 DEG 28 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635325
SGF GRAV 30 DEG 34 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635326
SGF GRAV 30 DEG 34 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635327
SGF GRAV 30 DEG 40 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635328
SGF GRAV 30 DEG 40 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635329
SGF GRAV 30 DEG 12 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635330
SGF GRAV 30 DEG 15 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635331
SGF GRAV 30 DEG 21 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635332
SGF GRAV 30 DEG 21 3-4 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635333
SGF GRAV 30 DEG 27 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635334
SGF GRAV 30 DEG 27 4-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635335
SGF GRAV 30 DEG 33 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635336
SGF GRAV 30 DEG 33 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635337
SGF GRAV 30 DEG 39 2-6 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635338
SGF GRAV 30 DEG 39 5-0 2-RAIL 2-SIDE <i>(inside and outside)</i>	19290D	635339

GRAV = Good for Conveyor Channel Depth of 2" to 4".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGG Set-in Single Channel Height

Item Class D 2 1 1

DESCRIPTION	DWG. NO.	PART NO.
SGG 5.5 IS 20-0/10 SET-IN 2-SIDE	19290D	634732
SGG 5.5 IS 20-0/16 SET-IN 2-SIDE	19290D	634733
SGG 5.5 IS 20-0/22 SET-IN 2-SIDE	19290D	634734
SGG 5.5 IS 20-0/28 SET-IN 2-SIDE	19290D	634735
SGG 5.5 IS 20-0/34 SET-IN 2-SIDE	19290D	634736
SGG 5.5 IS 20-0/40 SET-IN 2-SIDE	19290D	634737
SGG 5.5 IS 20-0/12 SET-IN 2-SIDE	19290D	634738
SGG 5.5 IS 20-0/15 SET-IN 2-SIDE	19290D	634739
SGG 5.5 IS 20-0/21 SET-IN 2-SIDE	19290D	634740
SGG 5.5 IS 20-0/27 SET-IN 2-SIDE	19290D	634741
SGG 5.5 IS 20-0/33 SET-IN 2-SIDE	19290D	634742
SGG 5.5 IS 20-0/39 SET-IN 2-SIDE	19290D	634743
SGG 6.4 IS 20-0/10 SET-IN 2-SIDE	19290D	635044
SGG 6.4 IS 20-0/16 SET-IN 2-SIDE	19290D	635045
SGG 6.4 IS 20-0/22 SET-IN 2-SIDE	19290D	635046
SGG 6.4 IS 20-0/28 SET-IN 2-SIDE	19290D	635047
SGG 6.4 IS 20-0/34 SET-IN 2-SIDE	19290D	635048
SGG 6.4 IS 20-0/40 SET-IN 2-SIDE	19290D	635049
SGG 6.4 IS 20-0/12 SET-IN 2-SIDE	19290D	635050
SGG 6.4 IS 20-0/15 SET-IN 2-SIDE	19290D	635051
SGG 6.4 IS 20-0/21 SET-IN 2-SIDE	19290D	635052
SGG 6.4 IS 20-0/27 SET-IN 2-SIDE	19290D	635053
SGG 6.4 IS 20-0/33 SET-IN 2-SIDE	19290D	635054
SGG 6.4 IS 20-0/39 SET-IN 2-SIDE	19290D	635055

5.5 = Good for Conveyor Channel Depth of 5" to 5-1/2".

6.4 = Good for Conveyor Channel Depth of 6-3/8".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGG 90 Degree Set-in Single Channel

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGG 5.5 IS 90 DEG 16 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635676
SGG 5.5 IS 90 DEG 22 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635677
SGG 5.5 IS 90 DEG 22 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635678
SGG 5.5 IS 90 DEG 28 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635679
SGG 5.5 IS 90 DEG 28 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635680
SGG 5.5 IS 90 DEG 34 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635681
SGG 5.5 IS 90 DEG 34 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635682
SGG 5.5 IS 90 DEG 40 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635683
SGG 5.5 IS 90 DEG 40 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635684
SGG 5.5 IS 90 DEG 15 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635685
SGG 5.5 IS 90 DEG 21 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635686
SGG 5.5 IS 90 DEG 21 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635687
SGG 5.5 IS 90 DEG 27 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635688
SGG 5.5 IS 90 DEG 27 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635689
SGG 5.5 IS 90 DEG 33 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635690
SGG 5.5 IS 90 DEG 33 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635691
SGG 5.5 IS 90 DEG 39 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635692
SGG 5.5 IS 90 DEG 39 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635693
SGG 6.4 IS 90 DEG 16 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635694
SGG 6.4 IS 90 DEG 22 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635695
SGG 6.4 IS 90 DEG 22 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635696
SGG 6.4 IS 90 DEG 28 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635697
SGG 6.4 IS 90 DEG 28 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635698
SGG 6.4 IS 90 DEG 34 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635699
SGG 6.4 IS 90 DEG 34 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635700
SGG 6.4 IS 90 DEG 40 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635701
SGG 6.4 IS 90 DEG 40 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635702

5.5 = Good for Conveyor Channel Depth of 5" to 5-1/2".

6.4 = Good for Conveyor Channel Depth of 6-3/8".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGG 60 Degree Set-in Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGG 5.5 IS 60 DEG 16 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635703
SGG 5.5 IS 60 DEG 22 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635704
SGG 5.5 IS 60 DEG 22 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635705
SGG 5.5 IS 60 DEG 28 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635706
SGG 5.5 IS 60 DEG 28 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635707
SGG 5.5 IS 60 DEG 34 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635708
SGG 5.5 IS 60 DEG 34 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635709
SGG 5.5 IS 60 DEG 40 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635710
SGG 5.5 IS 60 DEG 40 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635711
SGG 5.5 IS 60 DEG 15 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635712
SGG 5.5 IS 60 DEG 21 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635713
SGG 5.5 IS 60 DEG 21 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635714
SGG 5.5 IS 60 DEG 27 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635715
SGG 5.5 IS 60 DEG 27 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635716
SGG 5.5 IS 60 DEG 33 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635717
SGG 5.5 IS 60 DEG 33 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635718
SGG 5.5 IS 60 DEG 39 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635719
SGG 5.5 IS 60 DEG 39 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635720
SGG 6.4 IS 60 DEG 16 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635721
SGG 6.4 IS 60 DEG 22 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635722
SGG 6.4 IS 60 DEG 22 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635723
SGG 6.4 IS 60 DEG 28 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635724
SGG 6.4 IS 60 DEG 28 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635725
SGG 6.4 IS 60 DEG 34 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635726
SGG 6.4 IS 60 DEG 34 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635727
SGG 6.4 IS 60 DEG 40 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635728
SGG 6.4 IS 60 DEG 40 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635729

5.5 = Good for Conveyor Channel Depth of 5" to 5-1/2".

6.4 = Good for Conveyor Channel Depth of 6-3/8".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGG 45 Degree Set-in Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGG 5.5 IS 45 DEG 16 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635730
SGG 5.5 IS 45 DEG 22 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635731
SGG 5.5 IS 45 DEG 22 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635732
SGG 5.5 IS 45 DEG 28 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635733
SGG 5.5 IS 45 DEG 28 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635734
SGG 5.5 IS 45 DEG 34 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635735
SGG 5.5 IS 45 DEG 34 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635736
SGG 5.5 IS 45 DEG 40 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635737
SGG 5.5 IS 45 DEG 40 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635738
SGG 5.5 IS 45 DEG 15 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635739
SGG 5.5 IS 45 DEG 21 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635740
SGG 5.5 IS 45 DEG 21 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635741
SGG 5.5 IS 45 DEG 27 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635742
SGG 5.5 IS 45 DEG 27 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635743
SGG 5.5 IS 45 DEG 33 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635744
SGG 5.5 IS 45 DEG 33 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635745
SGG 5.5 IS 45 DEG 39 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635746
SGG 5.5 IS 45 DEG 39 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635747
SGG 6.4 IS 45 DEG 16 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635748
SGG 6.4 IS 45 DEG 22 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635749
SGG 6.4 IS 45 DEG 22 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635750
SGG 6.4 IS 45 DEG 28 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635751
SGG 6.4 IS 45 DEG 28 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635752
SGG 6.4 IS 45 DEG 34 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635753
SGG 6.4 IS 45 DEG 34 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635754
SGG 6.4 IS 45 DEG 40 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635755
SGG 6.4 IS 45 DEG 40 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635756

5.5 = Good for Conveyor Channel Depth of 5" to 5-1/2".

6.4 = Good for Conveyor Channel Depth of 6-3/8".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.



## SGG 30 Degree Set-in Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGG 5.5 IS 30 DEG 16 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635757
SGG 5.5 IS 30 DEG 22 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635758
SGG 5.5 IS 30 DEG 22 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635759
SGG 5.5 IS 30 DEG 28 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635760
SGG 5.5 IS 30 DEG 28 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635761
SGG 5.5 IS 30 DEG 34 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635762
SGG 5.5 IS 30 DEG 34 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635763
SGG 5.5 IS 30 DEG 40 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635764
SGG 5.5 IS 30 DEG 40 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635765
SGG 5.5 IS 30 DEG 15 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635766
SGG 5.5 IS 30 DEG 21 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635767
SGG 5.5 IS 30 DEG 21 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635768
SGG 5.5 IS 30 DEG 27 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635769
SGG 5.5 IS 30 DEG 27 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635770
SGG 5.5 IS 30 DEG 33 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635771
SGG 5.5 IS 30 DEG 33 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635772
SGG 5.5 IS 30 DEG 39 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635773
SGG 5.5 IS 30 DEG 39 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635774
SGG 6.4 IS 30 DEG 16 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635775
SGG 6.4 IS 30 DEG 22 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635776
SGG 6.4 IS 30 DEG 22 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635777
SGG 6.4 IS 30 DEG 28 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635778
SGG 6.4 IS 30 DEG 28 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635779
SGG 6.4 IS 30 DEG 34 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635780
SGG 6.4 IS 30 DEG 34 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635781
SGG 6.4 IS 30 DEG 40 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635782
SGG 6.4 IS 30 DEG 40 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635783

5.5 = Good for Conveyor Channel Depth of 5" to 5-1/2".

6.4 = Good for Conveyor Channel Depth of 6-3/8".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGG Set-in Single Channel Height

Item Class D 2 1 1

DESCRIPTION	DWG. NO.	PART NO.
SGG DRV 20-0/16 SET-IN 2-SIDE	19290D	634805
SGG DRV 20-0/22 SET-IN 2-SIDE	19290D	634806
SGG DRV 20-0/28 SET-IN 2-SIDE	19290D	634807
SGG DRV 20-0/34 SET-IN 2-SIDE	19290D	634808
SGG DRV 20-0/40 SET-IN 2-SIDE	19290D	634809
SGG DRV 20-0/15 SET-IN 2-SIDE	19290D	634811
SGG DRV 20-0/21 SET-IN 2-SIDE	19290D	634812
SGG DRV 20-0/27 SET-IN 2-SIDE	19290D	634813
SGG DRV 20-0/33 SET-IN 2-SIDE	19290D	634814
SGG DRV 20-0/39 SET-IN 2-SIDE	19290D	634815

DRV = Good for Conveyor Channel Depth of 9" to 11".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGG 90 and 60 Degree Set-in Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGG DRV 90 DEG 16 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636000
SGG DRV 90 DEG 22 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636001
SGG DRV 90 DEG 22 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636002
SGG DRV 90 DEG 28 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636003
SGG DRV 90 DEG 28 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636004
SGG DRV 90 DEG 34 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636005
SGG DRV 90 DEG 34 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636006
SGG DRV 90 DEG 40 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636007
SGG DRV 90 DEG 40 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636008
SGG DRV 90 DEG 15 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636009
SGG DRV 90 DEG 21 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636010
SGG DRV 90 DEG 21 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636011
SGG DRV 90 DEG 27 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636012
SGG DRV 90 DEG 27 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636013
SGG DRV 90 DEG 33 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636014
SGG DRV 90 DEG 33 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636015
SGG DRV 90 DEG 39 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636016
SGG DRV 90 DEG 39 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636017
SGG DRV 60 DEG 16 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636018
SGG DRV 60 DEG 22 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636019
SGG DRV 60 DEG 22 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636020
SGG DRV 60 DEG 28 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636021
SGG DRV 60 DEG 28 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636022
SGG DRV 60 DEG 34 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636023
SGG DRV 60 DEG 34 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636024
SGG DRV 60 DEG 40 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636025
SGG DRV 60 DEG 40 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636026
SGG DRV 60 DEG 15 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636027
SGG DRV 60 DEG 21 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636028
SGG DRV 60 DEG 21 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636029
SGG DRV 60 DEG 27 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636030
SGG DRV 60 DEG 27 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636031
SGG DRV 60 DEG 33 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636032
SGG DRV 60 DEG 33 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636033
SGG DRV 60 DEG 39 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636034
SGG DRV 60 DEG 39 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636035

DRV = Good for Conveyor Channel Depth of 9" to 11".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGG 45 and 30 Degree Set-in Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGG DRV 45 DEG 16 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636036
SGG DRV 45 DEG 22 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636037
SGG DRV 45 DEG 22 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636038
SGG DRV 45 DEG 28 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636039
SGG DRV 45 DEG 28 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636040
SGG DRV 45 DEG 34 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636041
SGG DRV 45 DEG 34 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636042
SGG DRV 45 DEG 40 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636043
SGG DRV 45 DEG 40 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636044
SGG DRV 45 DEG 15 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636045
SGG DRV 45 DEG 21 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636046
SGG DRV 45 DEG 21 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636047
SGG DRV 45 DEG 27 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636048
SGG DRV 45 DEG 27 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636049
SGG DRV 45 DEG 33 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636050
SGG DRV 45 DEG 33 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636051
SGG DRV 45 DEG 39 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636052
SGG DRV 45 DEG 39 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636053
SGG DRV 30 DEG 16 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636054
SGG DRV 30 DEG 22 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636055
SGG DRV 30 DEG 22 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636056
SGG DRV 30 DEG 28 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636057
SGG DRV 30 DEG 28 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636058
SGG DRV 30 DEG 34 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636059
SGG DRV 30 DEG 34 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636060
SGG DRV 30 DEG 40 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636061
SGG DRV 30 DEG 40 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636062
SGG DRV 30 DEG 15 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636063
SGG DRV 30 DEG 21 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636064
SGG DRV 30 DEG 21 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636065
SGG DRV 30 DEG 27 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636066
SGG DRV 30 DEG 27 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636067
SGG DRV 30 DEG 33 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636068
SGG DRV 30 DEG 33 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636069
SGG DRV 30 DEG 39 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636070
SGG DRV 30 DEG 39 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	636071

DRV = Good for Conveyor Channel Depth of 9" to 11".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGG Set-in Single Channel Height

Item Class D 2 1 1

DESCRIPTION	DWG. NO.	PART NO.
SGG GRAV 20-0/10 SET-IN 2-SIDE	19290D	634660
SGG GRAV 20-0/16 SET-IN 2-SIDE	19290D	634661
SGG GRAV 20-0/22 SET-IN 2-SIDE	19290D	634662
SGG GRAV 20-0/28 SET-IN 2-SIDE	19290D	634663
SGG GRAV 20-0/34 SET-IN 2-SIDE	19290D	634664
SGG GRAV 20-0/40 SET-IN 2-SIDE	19290D	634665
SGG GRAV 20-0/12 SET-IN 2-SIDE	19290D	634666
SGG GRAV 20-0/15 SET-IN 2-SIDE	19290D	634667
SGG GRAV 20-0/21 SET-IN 2-SIDE	19290D	634668
SGG GRAV 20-0/27 SET-IN 2-SIDE	19290D	634669
SGG GRAV 20-0/33 SET-IN 2-SIDE	19290D	634670
SGG GRAV 20-0/39 SET-IN 2-SIDE	19290D	634671

GRAV = Good for Conveyor Channel Depth of 2" to 4".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGG 90 Degree Set-in Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGG GRAV 90 DEG 10 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635340
SGG GRAV 90 DEG 16 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635341
SGG GRAV 90 DEG 22 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635342
SGG GRAV 90 DEG 22 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635343
SGG GRAV 90 DEG 28 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635344
SGG GRAV 90 DEG 28 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635345
SGG GRAV 90 DEG 34 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635346
SGG GRAV 90 DEG 34 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635347
SGG GRAV 90 DEG 40 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635348
SGG GRAV 90 DEG 40 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635349
SGG GRAV 90 DEG 12 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635350
SGG GRAV 90 DEG 15 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635351
SGG GRAV 90 DEG 21 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635352
SGG GRAV 90 DEG 21 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635353
SGG GRAV 90 DEG 27 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635354
SGG GRAV 90 DEG 27 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635355
SGG GRAV 90 DEG 33 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635356
SGG GRAV 90 DEG 33 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635357
SGG GRAV 90 DEG 39 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635358
SGG GRAV 90 DEG 39 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635359

GRAV = Good for Conveyor Channel Depth of 2" to 4".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGG 60 Degree Set-in Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGG GRAV 60 DEG 10 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635360
SGG GRAV 60 DEG 16 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635361
SGG GRAV 60 DEG 22 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635362
SGG GRAV 60 DEG 22 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635363
SGG GRAV 60 DEG 28 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635364
SGG GRAV 60 DEG 28 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635365
SGG GRAV 60 DEG 34 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635366
SGG GRAV 60 DEG 34 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635367
SGG GRAV 60 DEG 40 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635368
SGG GRAV 60 DEG 40 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635369
SGG GRAV 60 DEG 12 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635370
SGG GRAV 60 DEG 15 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635371
SGG GRAV 60 DEG 21 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635372
SGG GRAV 60 DEG 21 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635373
SGG GRAV 60 DEG 27 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635374
SGG GRAV 60 DEG 27 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635375
SGG GRAV 60 DEG 33 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635376
SGG GRAV 60 DEG 33 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635377
SGG GRAV 60 DEG 39 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635378
SGG GRAV 60 DEG 39 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635379

GRAV = Good for Conveyor Channel Depth of 2" to 4".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## SGG 45 Degree Set-in Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGG GRAV 45 DEG 10 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635380
SGG GRAV 45 DEG 16 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635381
SGG GRAV 45 DEG 22 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635382
SGG GRAV 45 DEG 22 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635383
SGG GRAV 45 DEG 28 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635384
SGG GRAV 45 DEG 28 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635385
SGG GRAV 45 DEG 34 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635386
SGG GRAV 45 DEG 34 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635387
SGG GRAV 45 DEG 40 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635388
SGG GRAV 45 DEG 40 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635389
SGG GRAV 45 DEG 12 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635390
SGG GRAV 45 DEG 15 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635391
SGG GRAV 45 DEG 21 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635392
SGG GRAV 45 DEG 21 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635393
SGG GRAV 45 DEG 27 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635394
SGG GRAV 45 DEG 27 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635395
SGG GRAV 45 DEG 33 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635396
SGG GRAV 45 DEG 33 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635397
SGG GRAV 45 DEG 39 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635398
SGG GRAV 45 DEG 39 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635399

GRAV = Good for Conveyor Channel Depth of 2" to 4".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.



## SGG 30 Degree Set-in Single Channel Height

Item Class D 2 2 1

DESCRIPTION	DWG. NO.	PART NO.
SGG GRAV 30 DEG 10 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635400
SGG GRAV 30 DEG 16 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635401
SGG GRAV 30 DEG 22 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635402
SGG GRAV 30 DEG 22 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635403
SGG GRAV 30 DEG 28 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635404
SGG GRAV 30 DEG 28 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635405
SGG GRAV 30 DEG 34 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635406
SGG GRAV 30 DEG 34 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635407
SGG GRAV 30 DEG 40 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635408
SGG GRAV 30 DEG 40 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635409
SGG GRAV 30 DEG 12 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635450
SGG GRAV 30 DEG 15 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635451
SGG GRAV 30 DEG 21 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635452
SGG GRAV 30 DEG 21 3-4 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635453
SGG GRAV 30 DEG 27 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635454
SGG GRAV 30 DEG 27 4-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635455
SGG GRAV 30 DEG 33 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635456
SGG GRAV 30 DEG 33 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635457
SGG GRAV 30 DEG 39 2-6 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635458
SGG GRAV 30 DEG 39 5-0 SET-IN 2-SIDE <i>(inside and outside)</i>	19290D	635459

GRAV = Good for Conveyor Channel Depth of 2" to 4".

Part Numbers Are Phantom Assemblies, Item Type "O", and Ship in Pieces.

## Line Shaft SGA 1-3/4” Formed Angle

Item Class D 2 2 2

DESCRIPTION	DWG NO. (NO EXT.)	PART NO. (NO EXT.)
SGA 1-3/4" 30 DEG IN 3-0 RAD LS	23552D	637611
SGA 1-3/4" 30 DEG OUT 16 4-4 LS	23552D	637612
SGA 1-3/4" 30 DEG OUT 22 4-10 LS	23552D	637613
SGA 1-3/4" 30 DEG OUT 28 5-4 LS	23552D	637614
SGA 1-3/4" 30 DEG OUT 34 5-10 LS	23552D	637615
SGA 1-3/4" 45 DEG IN 3-0 RAD LS	23551D	637606
SGA 1-3/4" 45 DEG OUT 16 4-4 LS	23551D	637607
SGA 1-3/4" 45 DEG OUT 22 4-10 LS	23551D	637608
SGA 1-3/4" 45 DEG OUT 28 5-4 LS	23551D	637609
SGA 1-3/4" 45 DEG OUT 34 5-10 LS	23551D	637610
SGA 1-3/4" 60 DEG IN 3-0 RAD LS	23550D	637601
SGA 1-3/4" 60 DEG OUT 16 4-4 LS	23550D	637602
SGA 1-3/4" 60 DEG OUT 22 4-10 LS	23550D	637603
SGA 1-3/4" 60 DEG OUT 28 5-4 LS	23550D	637604
SGA 1-3/4" 60 DEG OUT 34 5-10 LS	23550D	637605
SGA 1-3/4" 90 DEG IN 3-0 RAD LS	23549D	637596
SGA 1-3/4" 90 DEG OUT 16 4-4 LS	23549D	637597
SGA 1-3/4" 90 DEG OUT 22 4-10 LS	23549D	637598
SGA 1-3/4" 90 DEG OUT 28 5-4 LS	23549D	637599
SGA 1-3/4" 90 DEG OUT 34 5-10 LS	23549D	637600
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>		
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992

## Line Shaft SGB 2-5/8" Formed Channel

Item Class D 2 2 3

DESCRIPTION	DWG NO. (NO EXT.)	PART NO. (NO EXT.)
SGB 2-5/8" 30 DEG IN 3-0 RAD LS	23542D	637633
SGB 2-5/8" 30 DEG OUT 16 4-4 LS	23542D	637634
SGB 2-5/8" 30 DEG OUT 22 4-10 LS	23542D	637635
SGB 2-5/8" 30 DEG OUT 28 5-4 LS	23542D	637636
SGB 2-5/8" 30 DEG OUT 34 5-10 LS	23542D	637637
SGB 2-5/8" 45 DEG IN 3-0 RAD LS	23541D	637628
SGB 2-5/8" 45 DEG OUT 16 4-4 LS	23541D	637629
SGB 2-5/8" 45 DEG OUT 22 4-10 LS	23541D	637630
SGB 2-5/8" 45 DEG OUT 28 5-4 LS	23541D	637631
SGB 2-5/8" 45 DEG OUT 34 5-10 LS	23541D	637632
SGB 2-5/8" 60 DEG IN 3-0 RAD LS	23540D	637623
SGB 2-5/8" 60 DEG OUT 16 4-4 LS	23540D	637624
SGB 2-5/8" 60 DEG OUT 22 4-10 LS	23540D	637625
SGB 2-5/8" 60 DEG OUT 28 5-4 LS	23540D	637626
SGB 2-5/8" 60 DEG OUT 34 5-10 LS	23540D	637627
SGB 2-5/8" 90 DEG IN 3-0 RAD LS	23539D	637616
SGB 2-5/8" 90 DEG OUT 16 4-4 LS	23539D	637617
SGB 2-5/8" 90 DEG OUT 22 4-10 LS	23539D	637618
SGB 2-5/8" 90 DEG OUT 28 5-4 LS	23539D	637619*
SGB 2-5/8" 90 DEG OUT 34 5-10 LS	23539D	637620*
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>		
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991
SG HDWE OFFSETBRKT MTG TYPE-C	NO DWG.	633992

\*Guides Marked with an Asterisk Are Phantom Assemblies, Item Type "O", and Ship in Two Pieces.

## Line Shaft SGC 7” Formed Channel

Item Class D 2 2 3

DESCRIPTION	DWG NO. (NO EXT.)	PART NO. (NO EXT.)
SGC 7" 30 DEG IN 3-0 RAD LS	23546D	637653
SGC 7" 30 DEG OUT 16 4-4 LS	23546D	637654
SGC 7" 30 DEG OUT 22 4-10 LS	23546D	637655
SGC 7" 30 DEG OUT 28 5-4 LS	23546D	637656
SGC 7" 30 DEG OUT 34 5-10 LS	23546D	637657
SGC 7" 45 DEG IN 3-0 RAD LS	23545D	637648
SGC 7" 45 DEG OUT 16 4-4 LS	23545D	637649
SGC 7" 45 DEG OUT 22 4-10 LS	23545D	637650
SGC 7" 45 DEG OUT 28 5-4 LS	23545D	637651
SGC 7" 45 DEG OUT 34 5-10 LS	23545D	637652
SGC 7" 60 DEG IN 3-0 RAD LS	23544D	637643
SGC 7" 60 DEG OUT 16 4-4 LS	23544D	637644
SGC 7" 60 DEG OUT 22 4-10 LS	23544D	637645
SGC 7" 60 DEG OUT 28 5-4 LS	23544D	637646
SGC 7" 60 DEG OUT 34 5-10 LS	23544D	637647
SGC 7" 90 DEG IN 3-0 RAD LS	23543D	637638
SGC 7" 90 DEG OUT 16 4-4 LS	23543D	637639
SGC 7" 90 DEG OUT 22 4-10 LS	23543D	637640
SGC 7" 90 DEG OUT 28 5-4 LS	23543D	637641*
SGC 7" 90 DEG OUT 34 5-10 LS	23543D	637642*
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>		
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992

\*Guides Marked with an Asterisk Are Phantom Assemblies, Item Type “O”, and Ship in Two Pieces.

## Line Shaft SGD 10" Formed Channel

Item Class D 2 2 3

DESCRIPTION	DWG. NO. (NO EXT.)	PART NO. (NO EXT.)
SGD 10" 30 DEG IN 3-0 RAD LS	23554D	637673
SGD 10" 30 DEG OUT 16 4-4 LS	23554D	637674
SGD 10" 30 DEG OUT 22 4-10 LS	23554D	637675
SGD 10" 30 DEG OUT 28 5-4 LS	23554D	637676
SGD 10" 30 DEG OUT 34 5-10 LS	23554D	637677
SGD 10" 45 DEG IN 3-0 RAD LS	23553D	637668
SGD 10" 45 DEG OUT 16 4-4 LS	23553D	637669
SGD 10" 45 DEG OUT 22 4-10 LS	23553D	637670
SGD 10" 45 DEG OUT 28 5-4 LS	23553D	637671
SGD 10" 45 DEG OUT 34 5-10 LS	23553D	637672
SGD 10" 60 DEG IN 3-0 RAD LS	23548D	637663
SGD 10" 60 DEG OUT 16 4-4 LS	23548D	637664
SGD 10" 60 DEG OUT 22 4-10 LS	23548D	637665
SGD 10" 60 DEG OUT 28 5-4 LS	23548D	637666
SGD 10" 60 DEG OUT 34 5-10 LS	23548D	637667
SGD 10" 90 DEG IN 3-0 RAD LS	23547D	637658
SGD 10" 90 DEG OUT 16 4-4 LS	23547D	637659
SGD 10" 90 DEG OUT 22 4-10 LS	23547D	637660
SGD 10" 90 DEG OUT 28 5-4 LS	23547D	637661*
SGD 10" 90 DEG OUT 34 5-10 LS	23547D	637662*
<b>SIDE GUIDES LISTED ABOVE REQUIRE ONE (1) OF THE FOLLOWING HARDWARE KITS:</b>		
SG HDWE BOLT/FRAME MTG TYPE-A	NO DWG.	633990
SG HDWE SPACER NUT MTG TYPE-B	NO DWG.	633991
SG HDWE OFFSET BRKT MTG TYPE-C	NO DWG.	633992

\*Guides Marked with an Asterisk Are Phantom Assemblies, Item Type "O", and Ship in Two Pieces.

