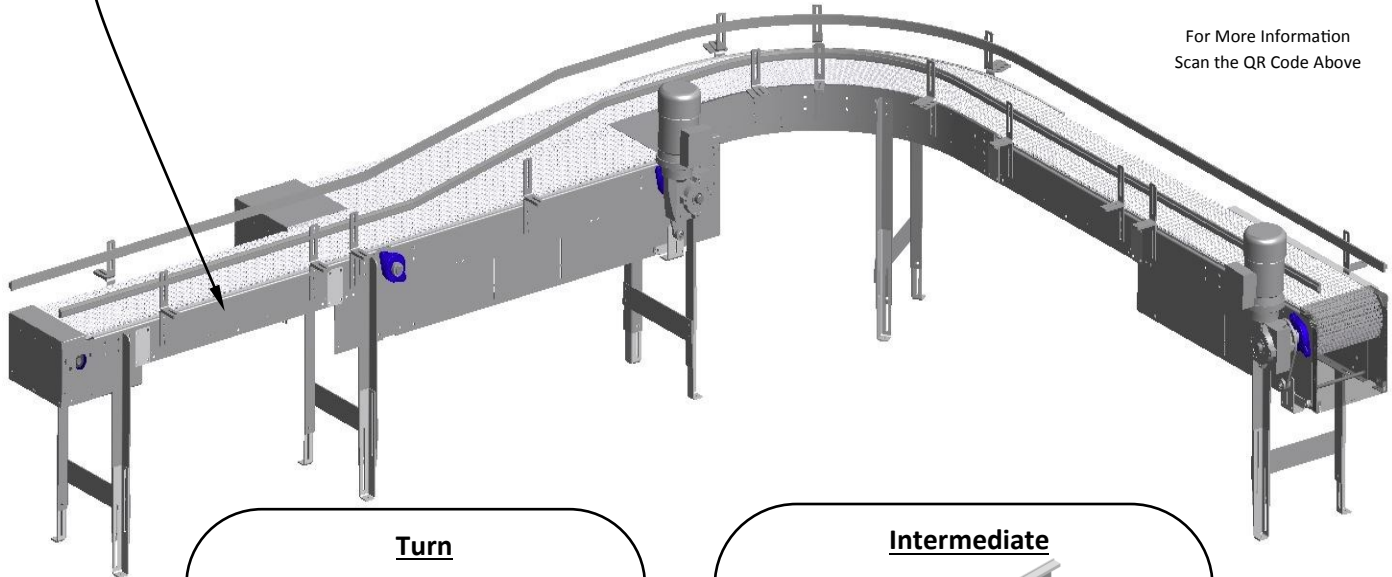


Frame

- 12-Gauge, Mild Steel, "Stardust Silver" Powder Coat Painted
- 12-Gauge Stainless Steel, #4 Polish Finish



For More Information
Scan the QR Code Above



Turn



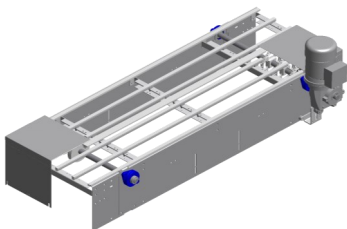
- Available in 30°, 45°, & 90°
- UHMW Wearstrip
- Duravar Wearstrip (Inside of Turn)

Intermediate



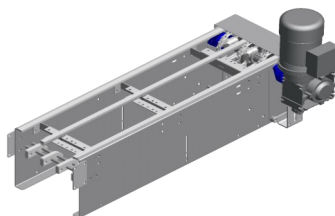
- Standard Lengths in 120," 92," 64," 36," 18"
- Also Available 6"-33 1/2" (1/2" Increments)
- Tab Return
- Adjustable Cope for Elevation Changes
 - ♦ Single Cope for Changes < 15°
 - ♦ Double Cope for Between 15° & 30°

Parallel Transfer



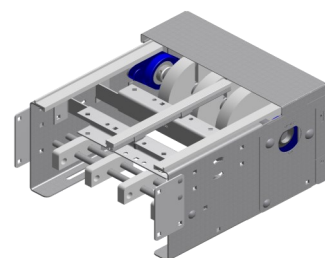
- 72" Overall Length
- Endcap/Finger Guard
- Contained Catenary
- 2-hole, 1 1/4" Bore Bearing

Drive End



- 45" Overall Length
- Endcap/Finger Guard
- Contained Catenary
- 2-hole, 1 1/4" Bore Bearing

Idle Ends



- 15" Overall Length
- Endcap/Finger Guard
- 2-hole, 1" Bore Bearing

Modular Conveyor 12" Open Top Mat-Style Conveyor

PO Box 2288 | Oshkosh, WI 54902 PH: 920.379.1772 | www.modularconveyor.com

Standard Modules

- Idle Ends; Drive Ends; Center Drives; 30°, 45°, 90° Turns; Intermediates; Copes (Adjustable Vertical Turns)

Frame Material & Design

- 12-Gauge, Mild Steel, "Stardust Silver" Powder Coat Paint
- 12-Gauge Stainless Steel, #4 Polish Finish
- Open Top Design

Wearstrips — Carryway

- 1/8" Thick UHMW in Straights
- Turns: UHMW Outside, Duravar Inside

Wearstrip — Return

- 5/8" x 5/8" UHMW Edge Guide

Motor/Reducer

- Nord "C" Face Motor, Inverter Duty, VFD & IP55 Rated
- Motor Voltage: 230/460-3-60 AC
- Nord Hollow Bore Reducer
- Corrosion Resistant Aluminum
- Vertical Shaft Mount w/ Torque Arm

Options:

- Below or Above
- Washdown Painted
- Stainless/TuPh Finish

Conveyor Speeds

- Standard Nominal Speeds (FPM): 40, 60, 100, 125, 165, 250
- Minimum: 30 FPM* Maximum: 290 FPM*
*Speed obtained using a VFD
- Consult Factory for Speeds Above 300 FPM

Supports

- "H" Style Formed 2" x 2" Angle w/ Bolt Pad Base
- ±4" Elevation Change
- Nominal Elev. Range 24", 28", 32", 36", 40", 44", 48"

Options:

- Ceiling Hanger Brackets

Bearings

- 2-Hole Flange, Painted, Sealed for Life, General Purpose Lube, Steel Insert w/ Set-Screw

Options:

- Polymer Housing, Food Grade Lube
- Zinc Plated or Stainless Steel Inserts
- Safety Covers

Shafts

- Idle Shaft Dia. 1.0"
- Drive Shaft Dia. 1.25"

Matop Chains & Sprockets

- See Data Sheet

Guide Rail & Brackets

- See Data Sheet

Conveyor Accessories

- LBP Roller Transfer,
- SS Deadplate

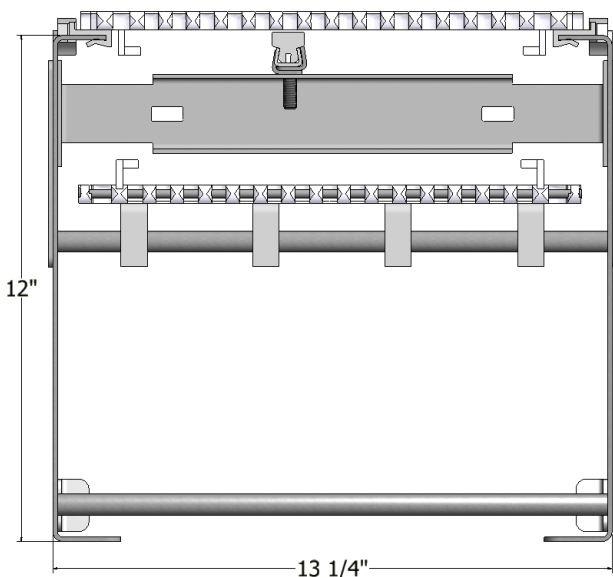
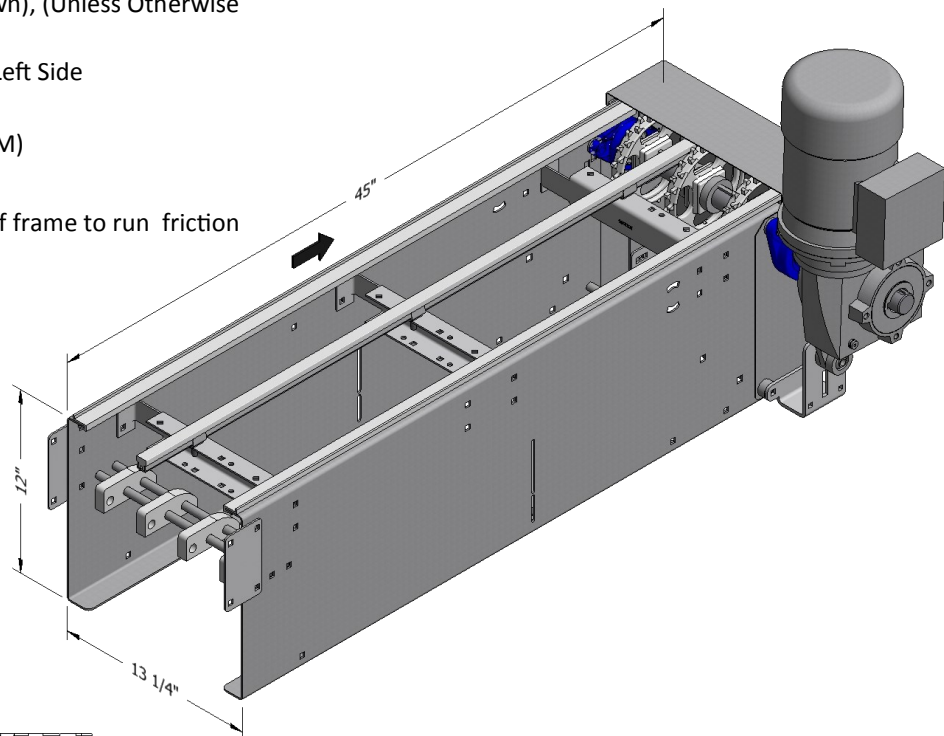
Drive End

Specifications:

- Standard Drive Will be Right-Hand (shown), (Unless Otherwise Specified)
- Standard Drive Will be Flush Mount on Left Side
- Shaft Mount Will Include Torque Arm
- See Spec Sheet for Standard Speeds (FPM)
- Support Incline Range $\pm 22^\circ$
- Shoes must be moved to outside edge of frame to run friction top chain

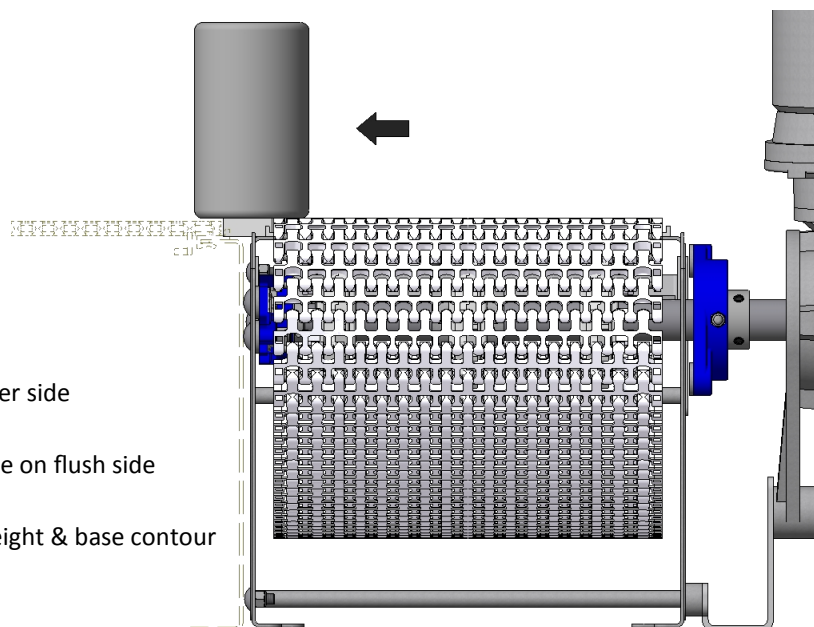
Other Available Configurations:

- Left-Hand Shaft Mount
- 30" Long Available (Consult Factory)



Drive End Side Transfer Specifications:

- Bearing will be installed on inside of frame on transfer side
- Fasteners will be carriage head bolts on both sides
- Extended wearstrip w/ a gap filling leg will be provide on flush side
- Minimum typical product size to clear transfer is 3"
 - Product stability through transfer is affected by height & base contour



Center Drive

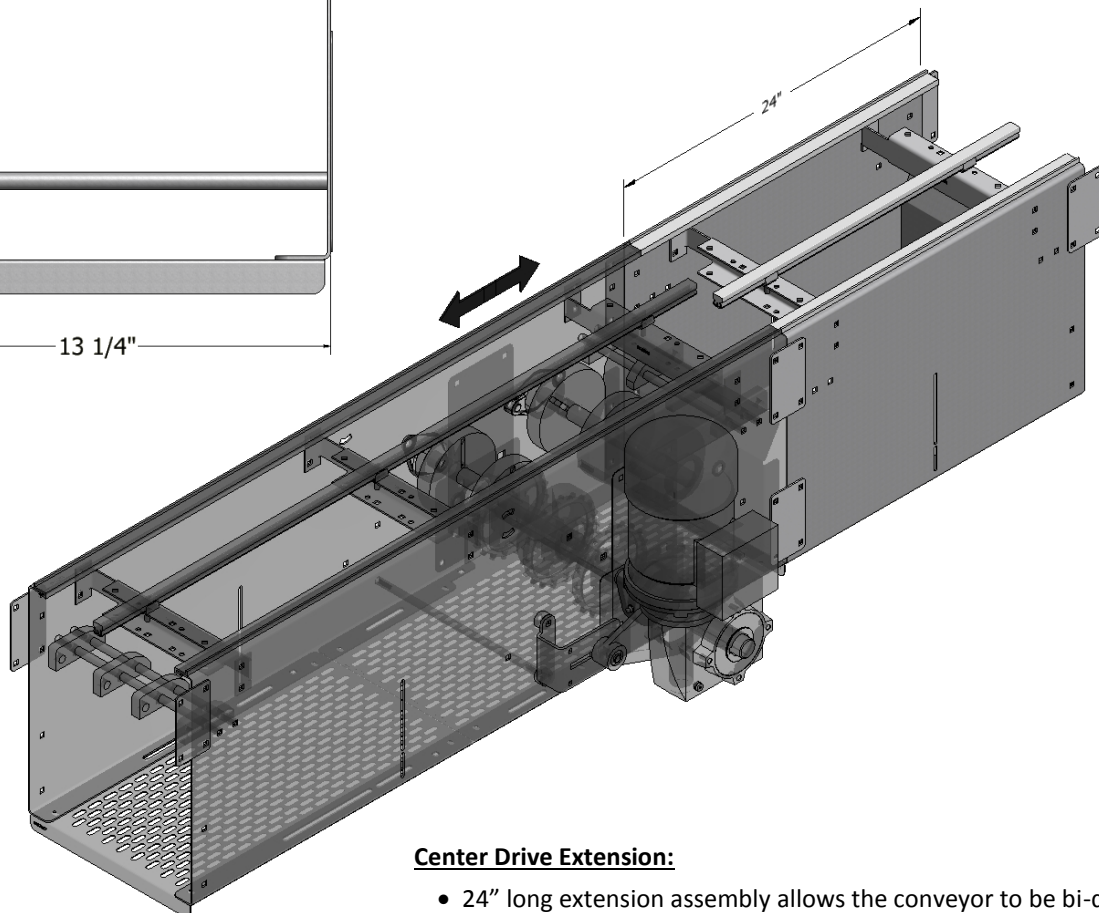
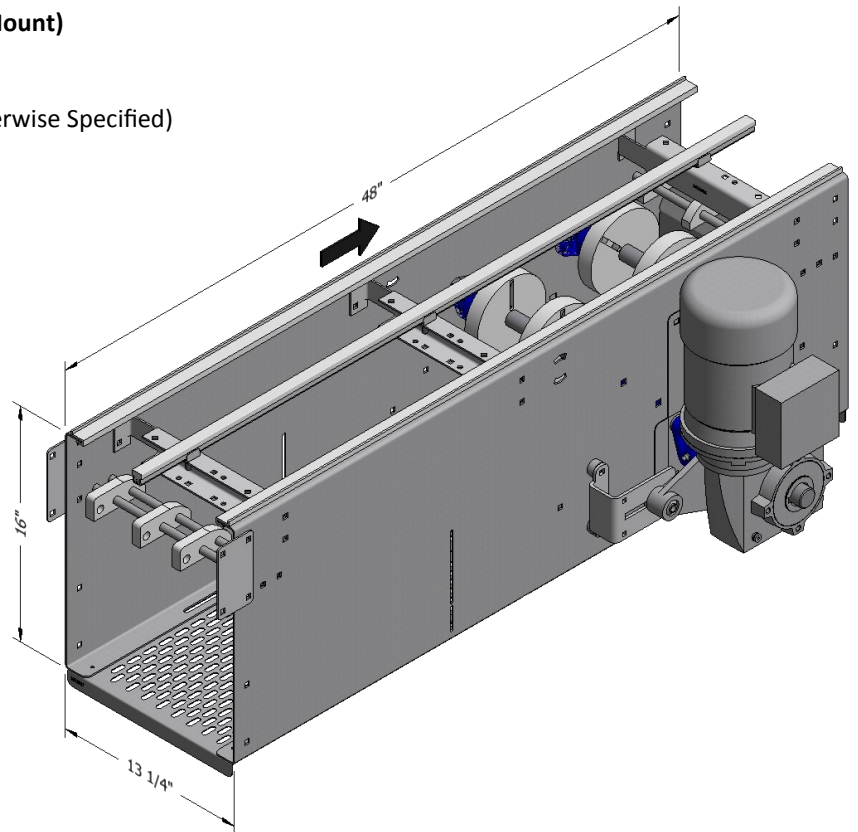
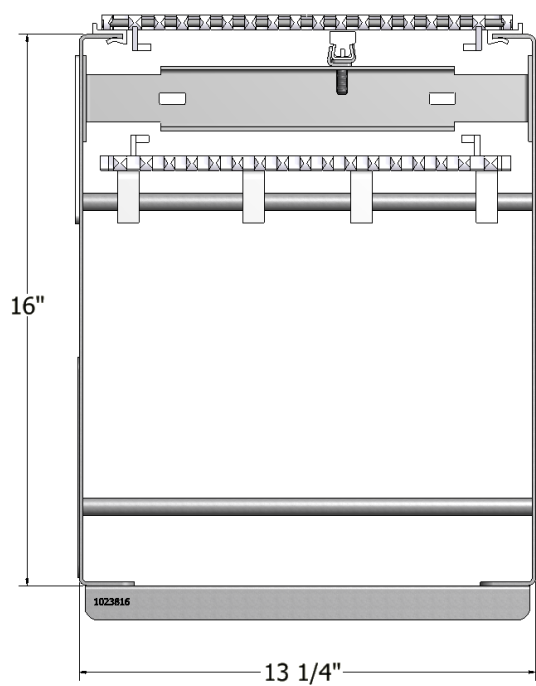
Standard Configuration Shown (Right-Hand Shaft Mount)

Specifications:

- Standard Drive Will be Right-Hand, (Unless Otherwise Specified)
- Shaft Mount Will Include Torque Arm
- See Spec Sheet for Standard Speeds (FPM)
- Support Incline Range $\pm 22^\circ$

Other Available Configurations:

- Left-Hand Shaft Mount



Center Drive Extension:

- 24" long extension assembly allows the conveyor to be bi-directional

Parallel Transfer

Shown: Right-to-Left, RH Shaft Mount

Specifications:

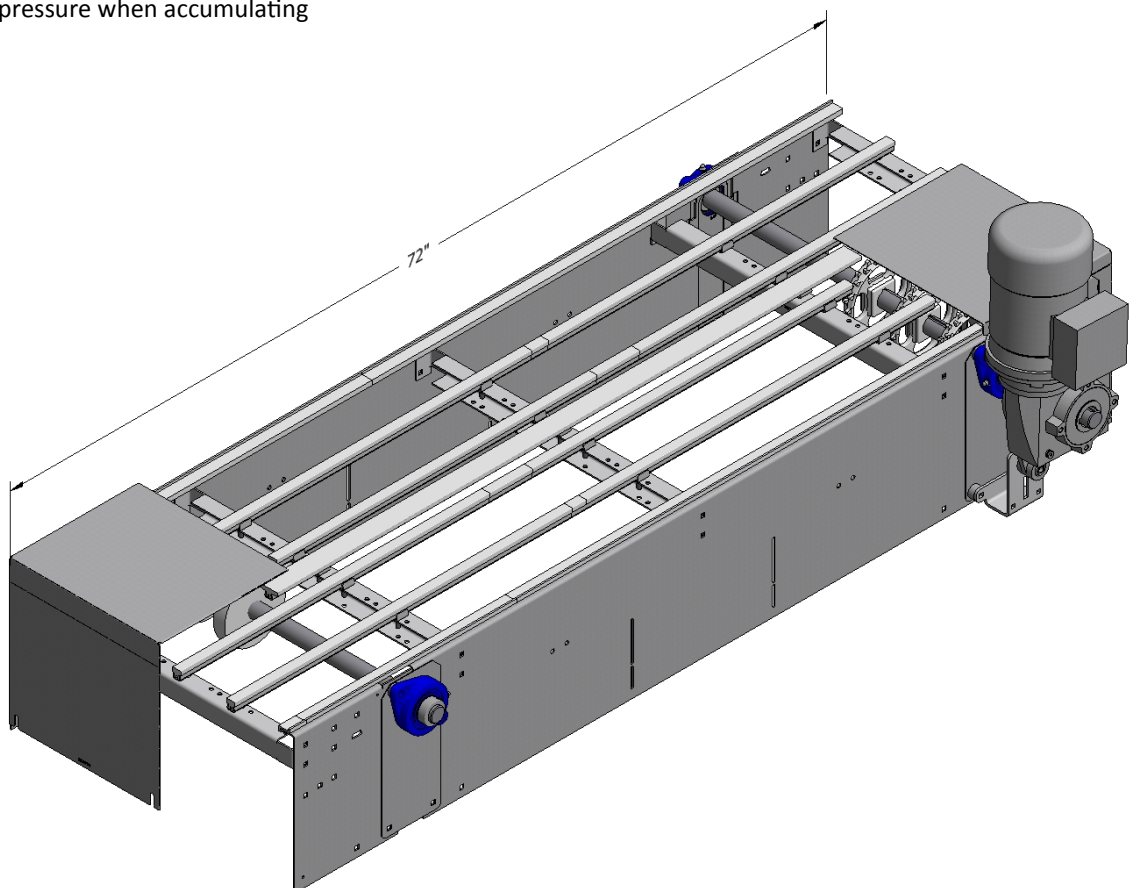
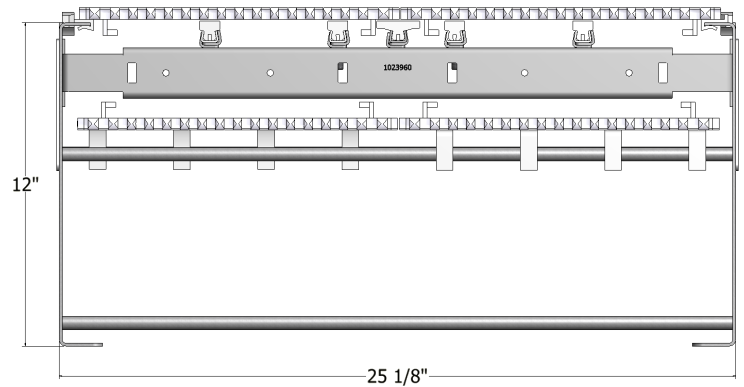
- 72" Long Section
- Shaft Mount Will Include Torque Arm
- End Caps (Finger Guards) Included
- Standard Drive Will be RH, (Unless Otherwise Specified)
- Support Incline Range $\pm 22^\circ$

Other Available Configurations:

- Parallel Transfer: Right-to-Left LH, Left-to-Right RH, Left-to-Right LH
- Right- or Left-Hand Below Mount

Advantages:

- Used when product stability is not critical
- Helps reduce back pressure when accumulating



Idle End

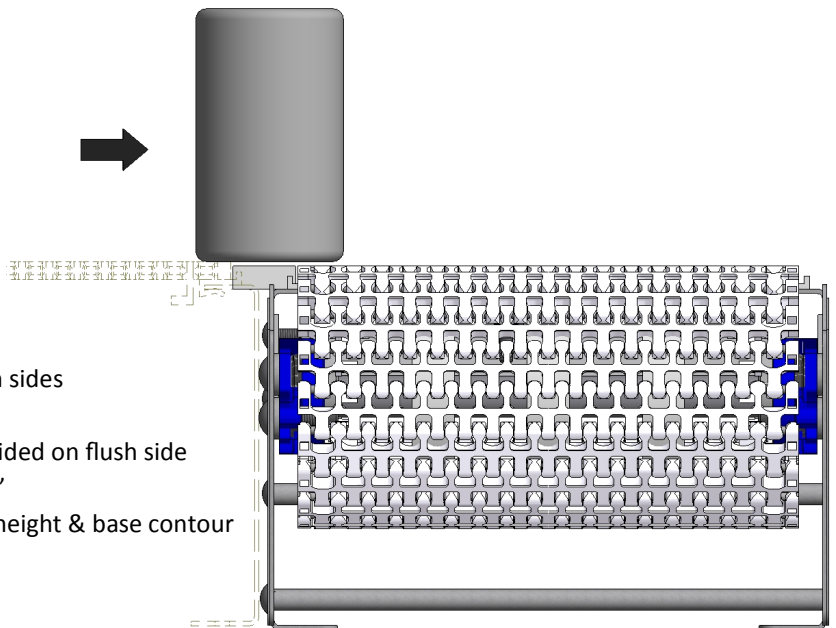
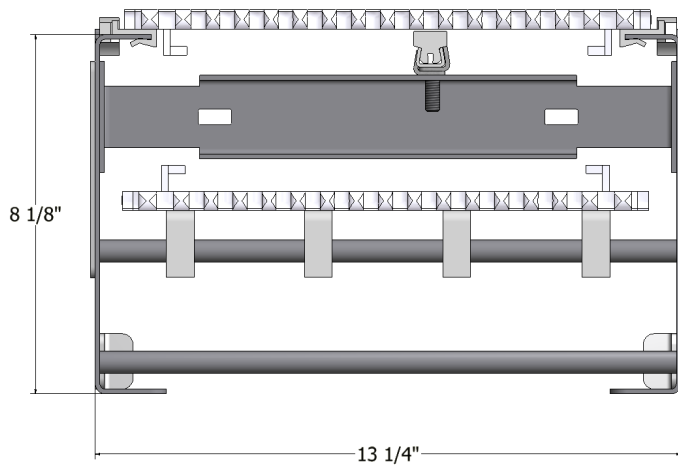
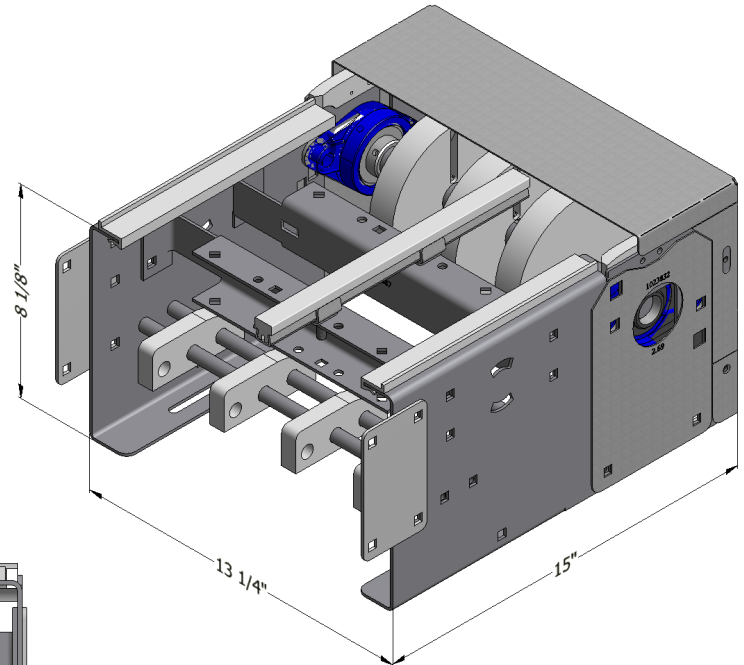
Standard Configuration (Shown On Right)

Specifications:

- Standard Idle End Will Be Side Transferrable Both Sides
- Support Incline Range $\pm 22^\circ$
- Shoes must be moved to outside edge of frame to run friction top chain

Other Available Configurations:

- None

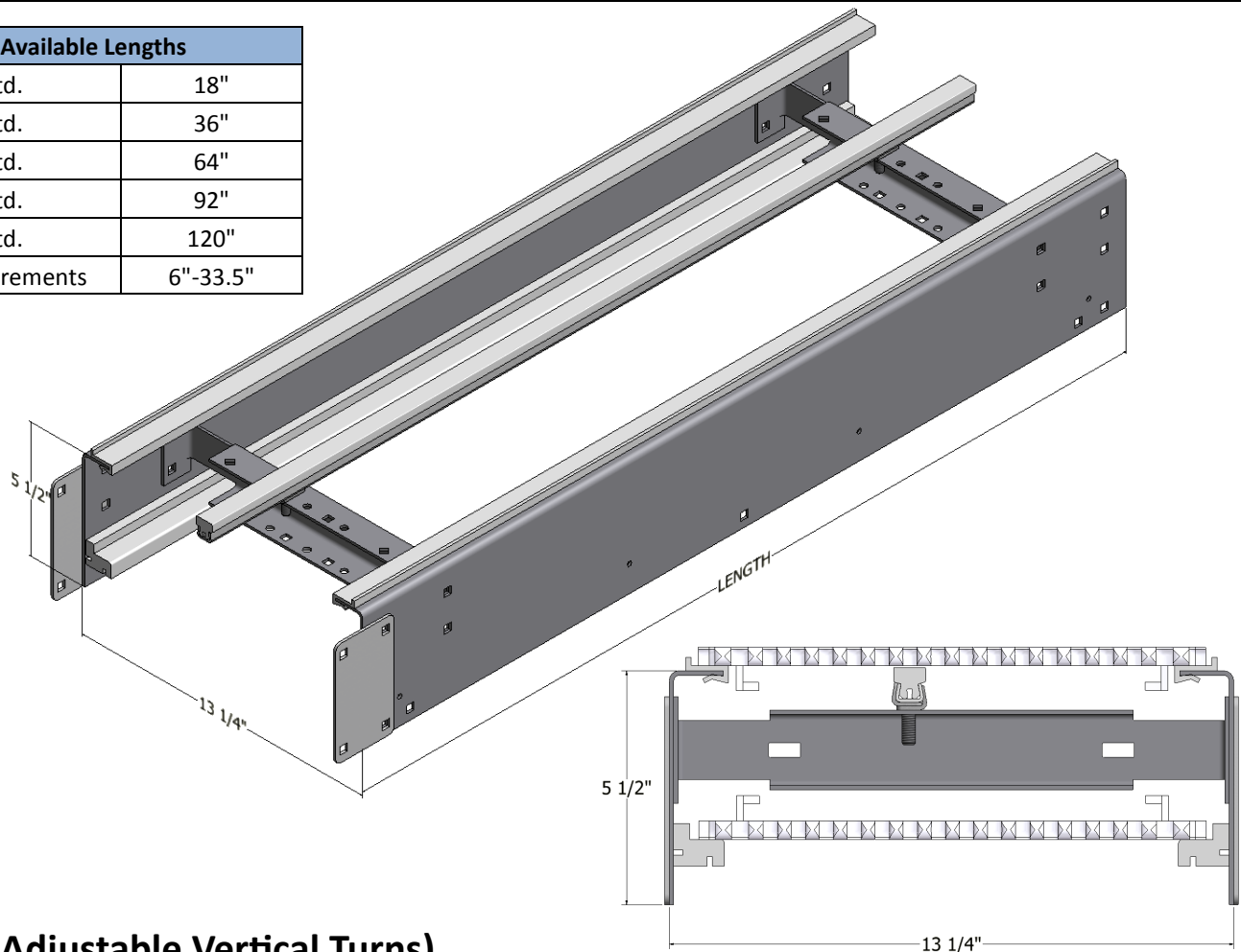


Idle End Side Transfer Specifications:

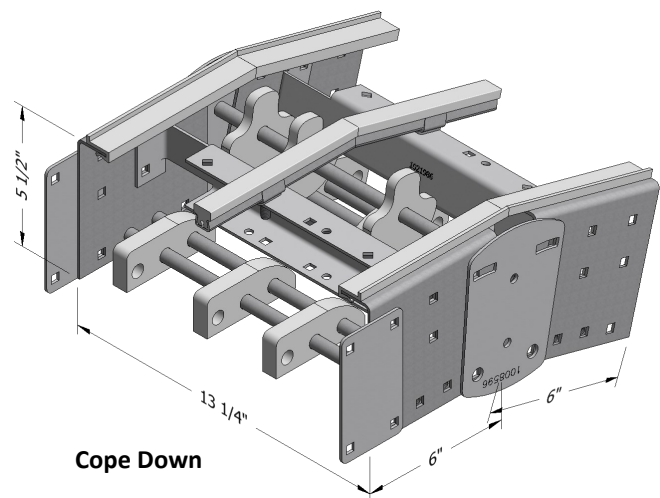
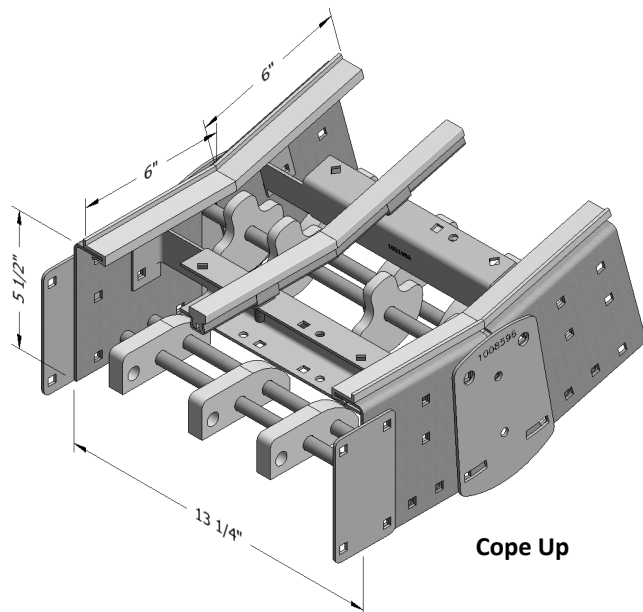
- Bearing will be installed on inside of frame on both sides
- Fasteners will be carriage head bolts on both sides
- Extended wearstrip w/ a gap filling leg will be provided on flush side
- Minimum typical product size to clear transfer is 3"
 - Product stability through transfer is affected by height & base contour

Intermediate

Available Lengths	
Std.	18"
Std.	36"
Std.	64"
Std.	92"
Std.	120"
1/2" Increments	6"-33.5"



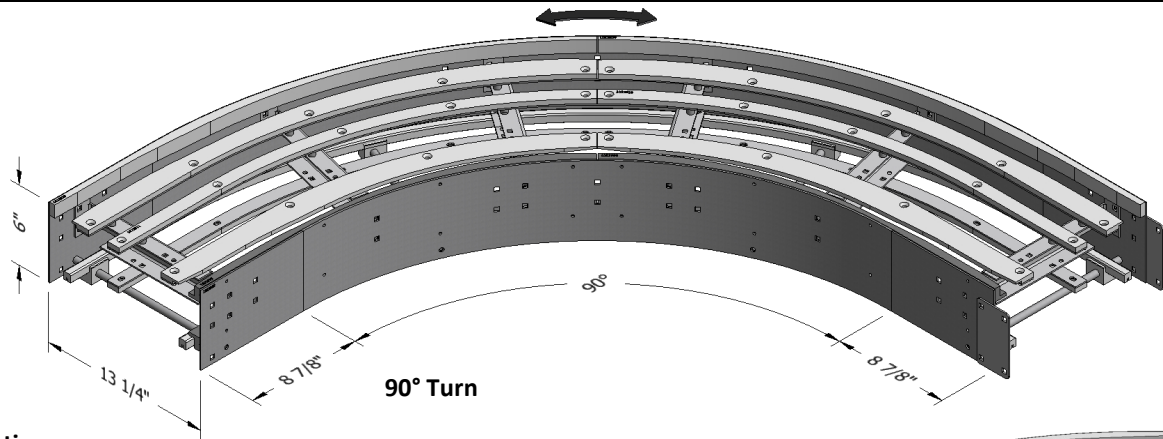
Cope (Adjustable Vertical Turns)



Cope Specifications:

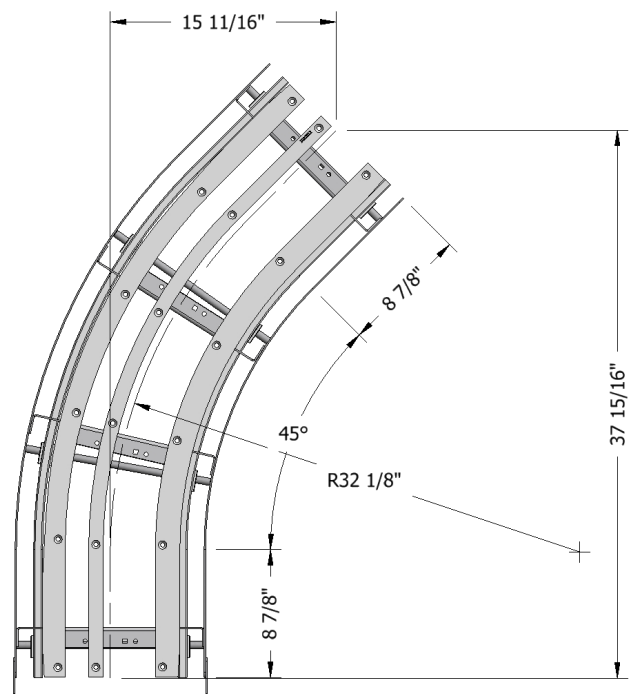
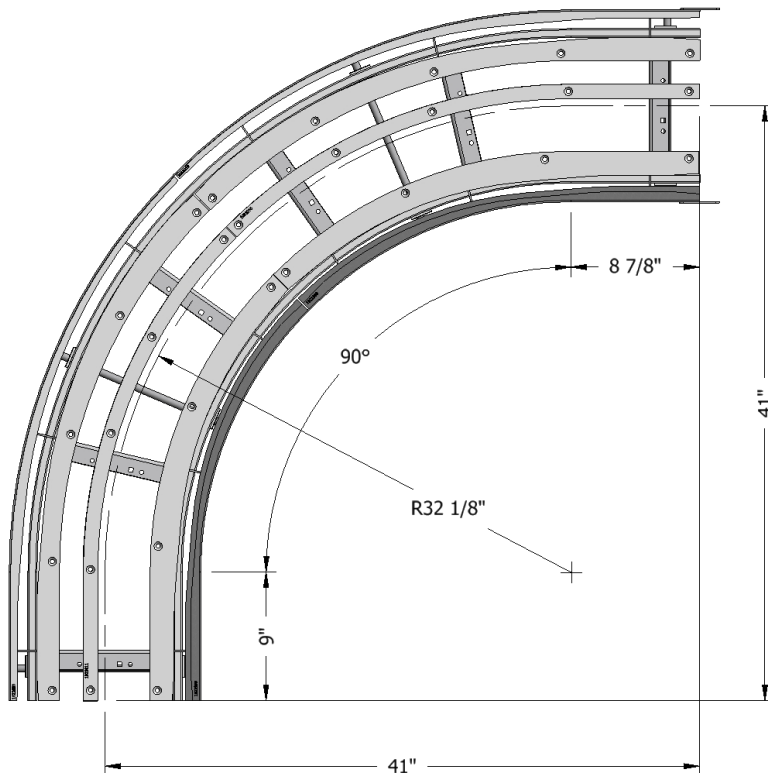
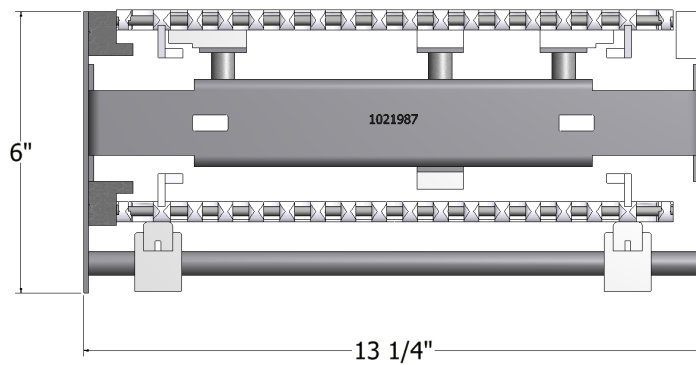
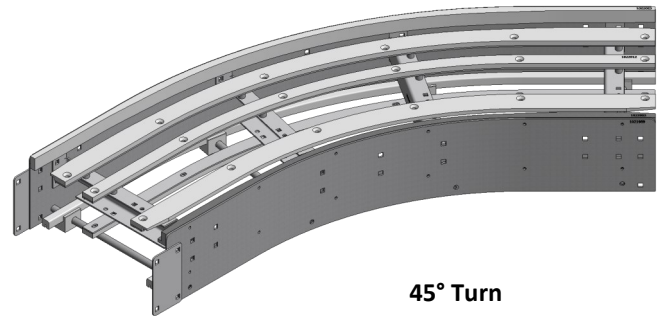
- Copes are adjustable for up to 15°
- Use double copes for elevation changes between 15° & 30°
- Provisions For Supports -- None

Turns

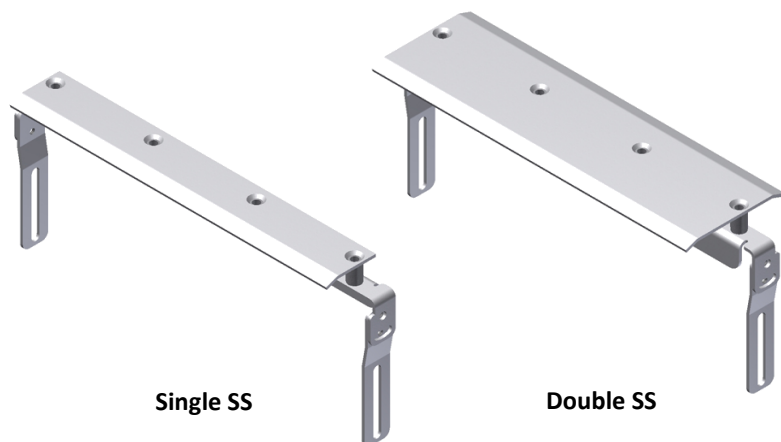


Turn Specifications:

- 32 1/8" Centerline Radius
- Slider on Tab Returns
- Available in 30° (not shown), 45° & 90° Turns
- Support Incline Range $\pm 0^\circ$
 - Inclines Require Spiral Turn



End Transfers



Single SS

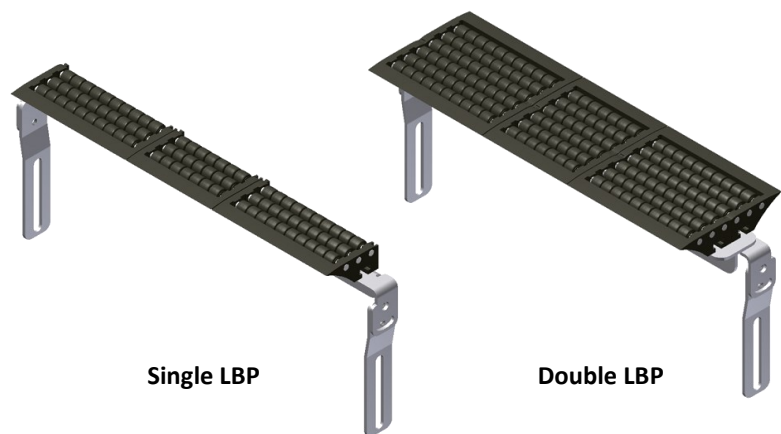
Double SS

Standard End Transfers:

- Single & Double LBP Roller Transfers
- Single & Double SS Deadplate
- Mounting brackets adjustable for angle and elevation

Optional End Transfers (Consult Factory):

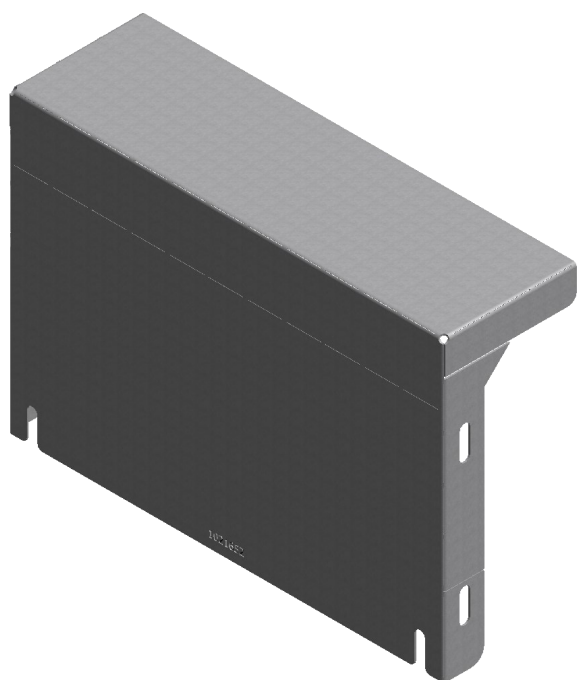
- Single Roller Transfer (Not Shown)
- Bolt-on Powered Transfer (Not Shown)



Single LBP

Double LBP

End Caps



Standard End Caps:

- 18 Ga. Mild & Stainless Steel
- Standard on all Drive, Idle, & Transfer Sections
- Perforated edges allow manual removal of end cap segments for end transfers on drive/idle ends.

Guide Rail & Brackets



Standard Guide Rail Brackets:

- Adjustable Formed “L” Shaped Brackets
- 7 Ga. Mild or Stainless Steel
 - Mild Steel is “Stardust Silver” Powder Coat Painted

Additional Configurations:

- Gusseted “L” Shaped Brackets
- Molded Plastic Brackets
- Tool-less Adjustability



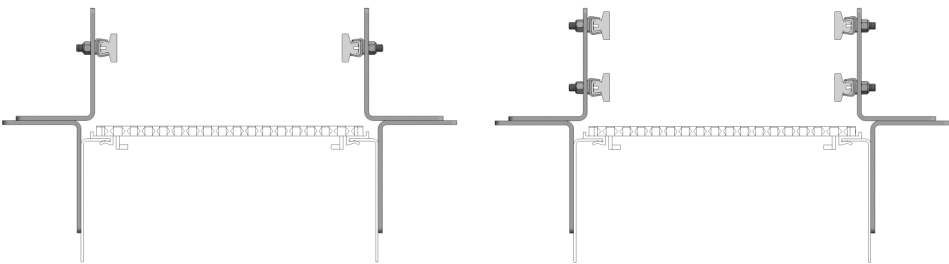
VG-SSR Round Face

Standard Guide Rail Configurations:

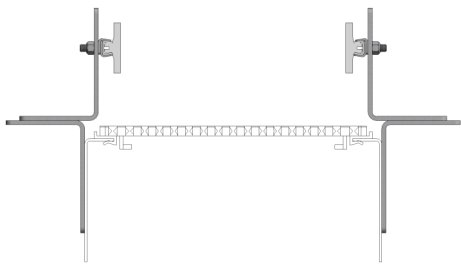
- Single or Double High
- Aluminum Channel w/ UHMW Cover
- VG-SSR Round Face
- VG-SST 1.25” & 2.25” T-Face

Additional Configurations:

- Sheet Rail
- UHMW



VG-SST 1.25” T-Face



VG-SST 2.25” T-Face



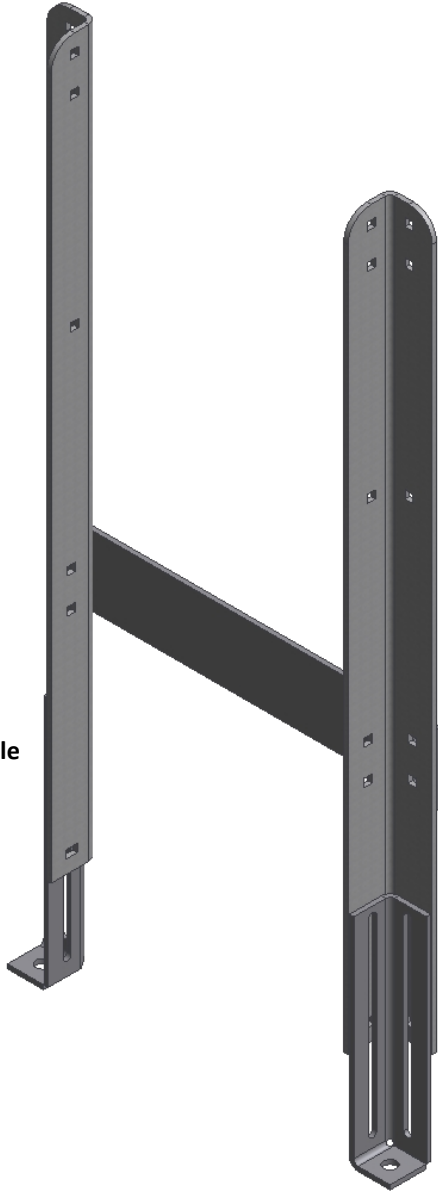
**Aluminum Channel
w/ UHMW Cover**

*Consult Factory for Wider Openings

Guide Rail Openings					
VG-SSR		VG-SST		Alum. Channel	
Min.	Max.*	Min.	Max.*	Min.	Max.*
7 5/8"	15 3/8"	7 3/8"	15 1/8"	7 7/8"	15 5/8"

Supports

Formed Angle



Standard Supports:

Formed Angle

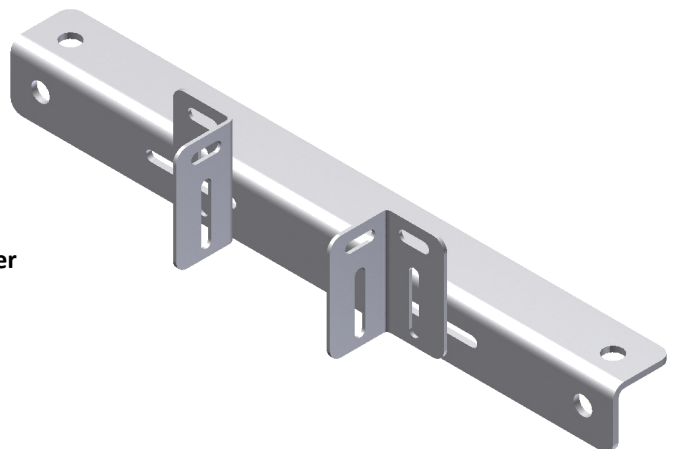
- "H" Style Formed 2" x 2" Angle w/ Bolt Pad Base
- ± 4 " Elevation Change
- Nominal Elev. Range 24" - 48", 4" increments
- 7 Ga. Mild or Stainless Steel
 - Silver Powder Coat Painted Mild Steel

Alternate Supports:

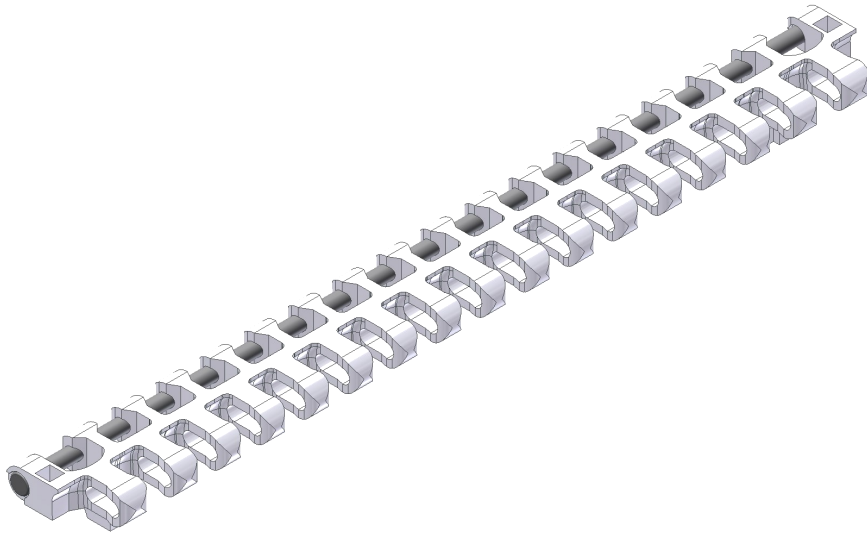
Ceiling Hanger Brackets

- Mild or Stainless Steel
- Drop Rods Provided by Customer

Ceiling Hanger



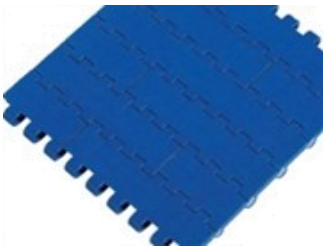
Tabletop Chain & Sprockets



Standard Chains:

- M2500 Series

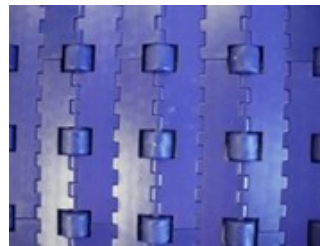
All M2500 Series chains are directly interchangeable without changing sprockets



Flat Top



Radius Flush Grid



LBP Roller Top



Flat Friction Top



Standard Sprockets:

- Approx. 6.0" Pitch Diameter
- M2500 Series Sprocket
- Sprocket Locations Vary Depending on Chain Type
- Roller Top sprocket locations vary from other chain types within the same series

Maintenance Information

Pre-Start Checklist

- Fasteners – Some may have loosened during shipment. Re-tighten as required
- Inspect all splice points for proper wear strip alignment.
- Hand run a 48" long chain section through conveyor, both carry way and return paths, to check for binding.
- Verify motor rotation
- Verify chain direction is correct (See Figure 1)
- Guide Rail – Check for proper product width before operation.

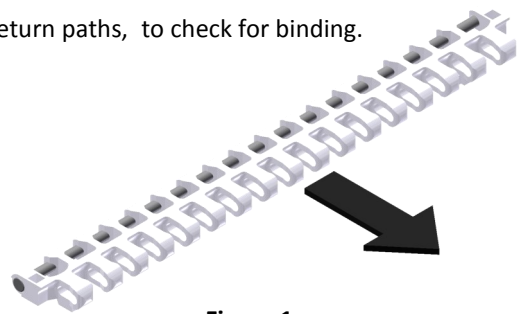


Figure 1

Startup / Break-In

- During first 250 hours of operation – Monitor the following
 - Initial chain stretch – Chain will have an initial stretch. Monitor catenary length, as described below, and remove excess links.
 - Chain dusting – Normally occurring issue that subsides after the first 250 hours of run time. Clean as required

Maintenance

- Catenary length – (See Figure 2)
- Chain length – Replace when catenary sags reaches lower indicator slot
- Sprocket wear – Look for excessive wear or hooked teeth
- Bearings – sealed for life
- Reducer – Nord reducers – sealed for life
 - Look for leaking seals
- Wear strip wear
 - Inside turn – add indicator line
- Chain Surging (Slip – Stick)
 - Hard to predict natural phenomenon that depends on speed, load, construction and lubrication.
 - Most common in long and/or slow running conveyors.
 - Poses no operational concerns unless it causes product tipping .
 - Look for chain binding at turns and copes in both the carry way (product path) and the return path.
- Motor Hop & Wobble
 - Natural phenomenon that is desirable
 - Poses no operational concerns with life expectancy of conveyor or reducer
 - Wobble releases stress build up due to normal machining tolerances in rotating shaft.
 - Increases equipment longevity compared to rigidly mounted reducers where misalignments are trapped.
 - Longer reducer life
 - Longer bearing life
 - Longer shaft life

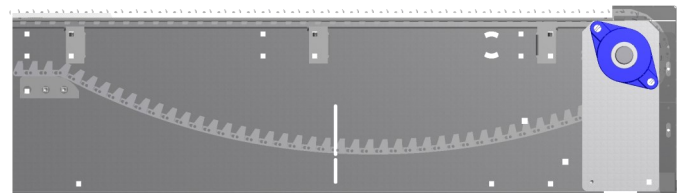


Figure 2