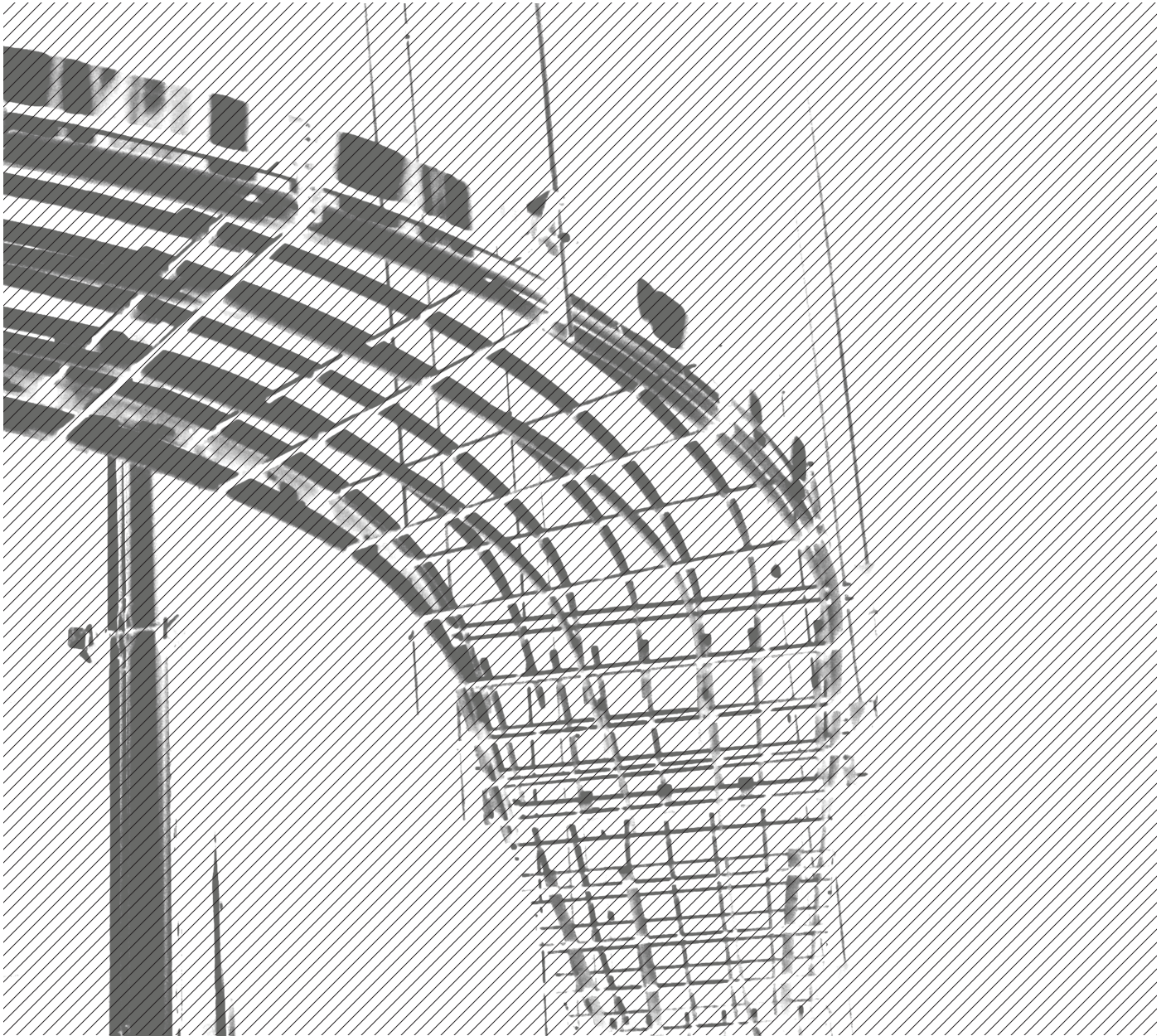




**SNAP LOCK INC.®**  
SANITARY MODULAR CONVEYOR SYSTEMS



# catalog



5020 NATHANIEL LYON • BATTLEFIELD, MO 65619

P 417 881 8200 • T 800 538 2830 • F 417 887 5944

[WWW.SNAPLOCKINC.COM](http://WWW.SNAPLOCKINC.COM)

EXPERIENCE, INGENUITY, & REPUTATION

**OUR REVOLUTIONARY DESIGN ALLOWS EASY AND PRECISE INTEGRATION ALONG WITH THE HIGHEST LEVEL OF SANITATION.** By designing with conveyor flexibility in mind from the start, you're locking in future profits and creating a proactive solution to inevitable change.

#### SAVE TIME

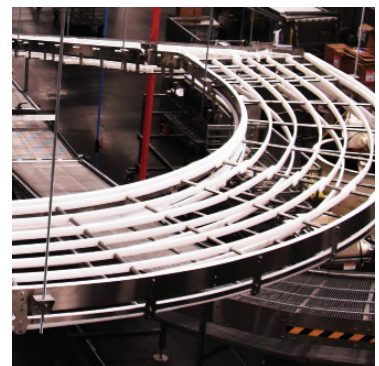
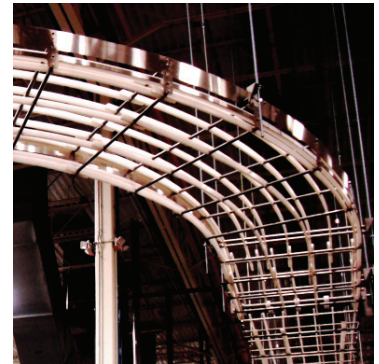
- Food grade plastic snaps into place without the use of tools.
- Easy assembly and disassembly of side rails, wear bar, nose bar, and shaft mounts.
- Numerous belting options, including plastic, modular, wire, thermoplastic, chain, and other.

#### SAVE EXPENSES

- Change and reuse components as needed.
- Reduce equipment bone yards.
- Receive standard components at your facility for assembly of your next project.

**SNAP LOCK MODULAR CONVEYOR'S BOAST THE FEATURES YOU NEED AT THE PRICE YOU WANT.** It's not just a purchase, it's an investment. You can customize features and options, including drive locations (center or end), motor type (electric or hydraulic), and belting styles and types.

Snap Lock components are reusable in a variety of configurations, preventing waste of materials or unnecessary cost. With over 25 years of experience, Snap Lock remains family owned and operated with pride. Contact us today for an affordable and quality solution.



## BENEFITS OF THE SNAP LOCK DESIGN

### **SNAP LOCK CONVEYORS ARE ENGINEERED WITH THE UTMOST CONSIDERATION FOR YOUR PRODUCTIVITY, EFFICIENCY, AND PROFIT.**

Each of these features provides an added measure of Return on Investment and Bottom Line enhancement. Our experience and ingenuity have lead us to engineer conveyor systems that thoroughly meet our client's every need.

#### **MODULARITY**

Systems can be used and reused as line demands change to accommodate new products and evolving requirements.

Components are standardized and furnished with close tolerances for interchangeability.

The modular concept allows users to maintain inventory to satisfy plant R & D projects.

#### **SANITATION**

All carry way components remove without the aid of tools, making cleaning considerably easier and less time consuming.

All of Snap Lock's welded construction meets even the most demanding applications.

All carry way components are designed to FDA and USDA requirements.

UHMW Nose Bars eliminate bearing grease or other particulate from dropping into product.

#### **DELIVERY**

We keep most standard components stocked and ready for immediate shipment, for those "just in time" requirements.

Non-stocked components are typically shipped in 12-15 working days after order or after receipt of manufacturing drawings, if approval is required.

Transportation costs are considerably reduced when systems are shipped in the knock down (unassembled) configuration.

UPS shipments are available, reducing time and cost.

Air shipments are also available, further reducing transportation time and potential downtime.

#### **ASSEMBLY**

Maintenance personnel can assemble conveyor systems on site.

Detailed assembly manuals with drawings and instructions accompany every order.

Snap Lock personnel can assemble complete systems in our factory or your plant.

#### **FUNCTIONALITY**

Snap Lock Modular Conveyor are designed to be user-friendly and easy to assemble and operate.

Smooth and quiet operation ensures reliability and longevity.

Custom controls are available and conveyor systems can be tied to PLC's or Programmable Logic Controllers for automation.

#### **MAINTENANCE**

Our streamlined design and unique features simplify maintenance and yield greater uptime.

Systems can be reused by simply unbolting modular components and reconfiguring them.

Spare parts are stocked in our facility, minimizing or eliminating downtime.

#### **SAFETY**

Every aspect of the Snap Lock conveyor is carefully engineered to function with personnel safety in mind, minimizing risk exposure.

Nose Bars eliminate pinch points of belt sprockets.

All moving parts are guarded or otherwise devised to exclude misuse.

## FEATURE OPTIONS

**SNAP LOCK CONVEYORS ARE DESIGNED FOR VERSATILITY TO ENSURE THAT THE EQUIPMENT WE PROVIDE IS TAILORED TO YOUR NEEDS AS WELL AS ADAPTABLE TO FUTURE CHANGES YOU MAY REQUIRE.**

Snap Lock Conveyor Systems are constructed using a patented side panel design, which enables a wide range of options. The ease of modification is what makes this conveyor system so unique. The Conveyor frame components are fabricated from a variety of materials depending on the application. The removable components are fabricated from UHMW polyethylene material, which is ideal for most applications.

### STANDARD FEATURES

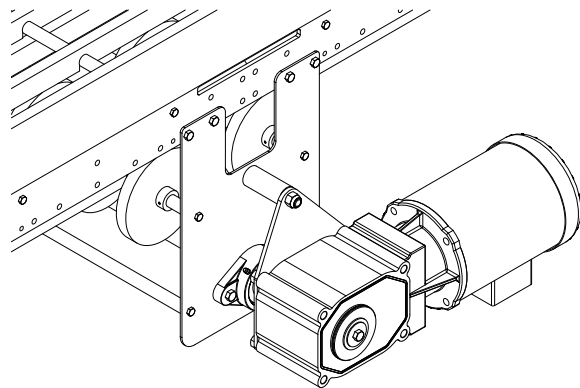
Frame Construction: Light, Medium, and Heavy Duty

Material type: Stainless Steel (other materials may be available upon request)

Bed Length: 8-FT long and 10-FT

Belt Height: To Order

Belt Widths: 2-inch through 144-inch in 1-inch increments  
(12-inch, 18-inch and 24-inch are standard)



### DRIVES SYSTEMS

#### RETURN BELT DRIVE

Chain and Sprockets

Direct Drive Hollow Shaft, Electric

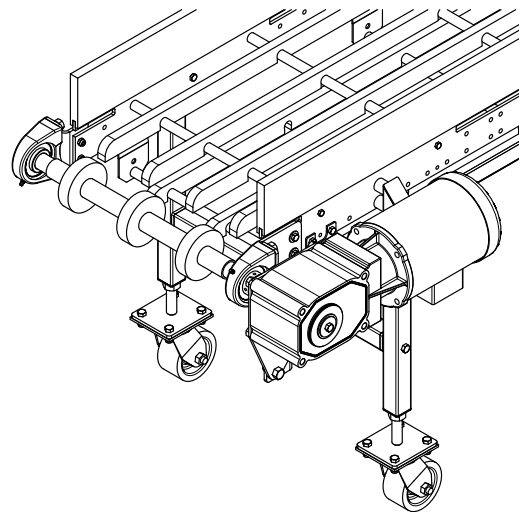
Direct Drive, Hydraulic

#### END DRIVE

Chain and Sprockets

Direct Drive Hollow Shaft, Electric

Direct Drive, Hydraulic





**ALL SNAP LOCK COMPONENTS ARE REUSABLE IN A VARIETY OF CONFIGURATIONS, WHICH PREVENTS WASTE OF MATERIALS AND UNNECESSARY COST.**

Our pre-engineered solutions work with your existing equipment or entire renovations. It is our goal at Snap Lock to help you standardize today's purchase with tomorrow's jobs.

**WE CONTINUE NOT ONLY TO MEET, BUT OFTEN SURPASS NATIONAL HEALTH STANDARDS SET BY THE USDA, FDA, BISSC, AND AMI.** Snap Lock's features are designed to eliminate the entrance of any food product or liquid. Our components are built using only stainless steel and food-grade UHMW to ensure thorough and effective cleaning.

**WARRANTY**

Frames: Limited Lifetime Guarantee.

Gearboxes: 2 year / 10,000 hour

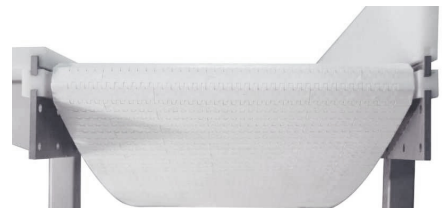
Motors: 1 year



1 INCLINE TO HORIZONTAL SECTION



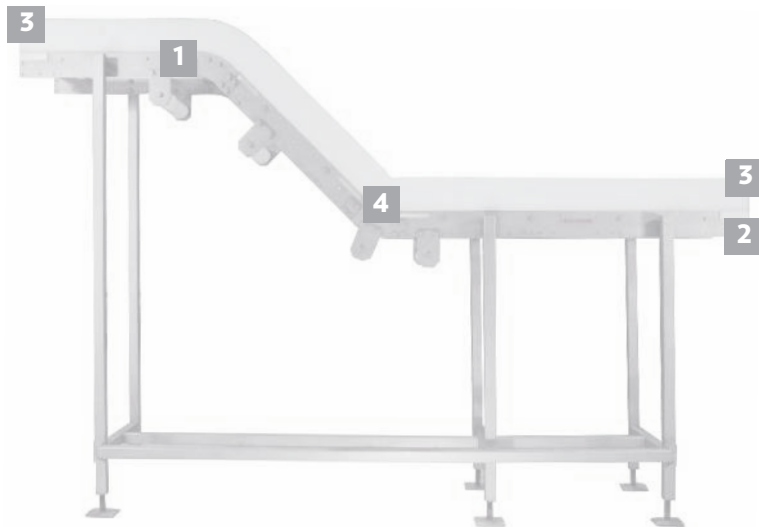
2 NOSE BAR AND BELT SUPPORT WEAR-BAR



3 NOSE BAR TRANSFER POINT



4 INCLINE BELT HOLD DOWN



## DUTY SERIES COMPARISON

### ALL OF SNAP LOCK'S COMPONENTS ARE PRECISION MADE WITH HIGH QUALITY MATERIALS.

Selections should be based on: product application, environment severity, series features, and cost. All series are based on Snap Lock's unique patented design.

#### HEAVY

Side Panel: 1/4-inch S/S material thickness

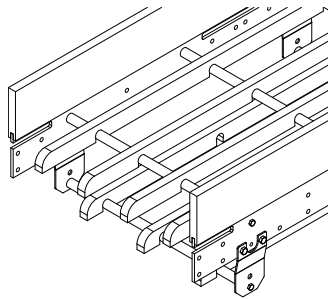
Side Rails: 3/4-inch UHMW material thickness

Removable / adjustable side rails

Belt Support: 3/4-inch UHMW material thickness

Support Frame: Square tube option / Channel Option

Welded Option: Available upon request



#### MEDIUM

Side Panel: 10 gauge S/S material thickness

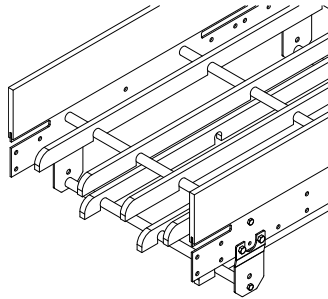
Side Rails: 1/2-inch UHMW material thickness

Adjustable side rails

Belt Support: 1/2-inch UHMW material thickness

Support Frame: Square tube option / Channel Option

Welded Option: Available upon request



#### LIGHT

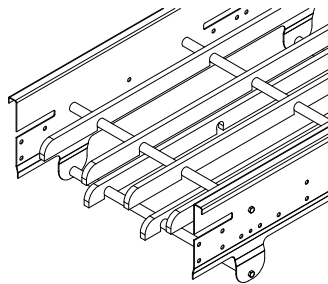
Side Panel: 14 gauge S/S material thickness

Side Rails: Integral S/S or adjustable side rails

Belt Support: 1/2-inch UHMW material thickness

Support Frame: Square tube option / Channel Option

Welded Option: Not Available



**WE ARE CHANGING THE WAY OUR CUSTOMERS CAN BE MORE PRODUCTIVE BY OFFERING THE ABSOLUTE MOST VALUE FOR YOUR SNAP LOCK INVESTMENT.**

Our website offers a simple and easy to use navigation layout that allows current and future clients a place for one-stop solutions for all your conveyor needs. The site includes several new features, including:

**E-MAINTENANCE MANAGEMENT**

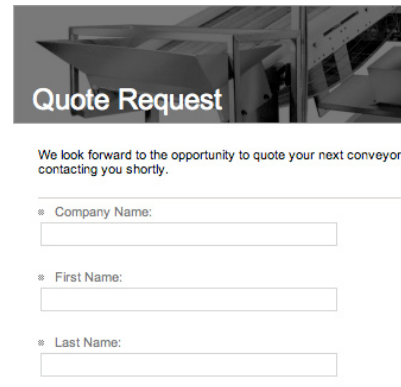
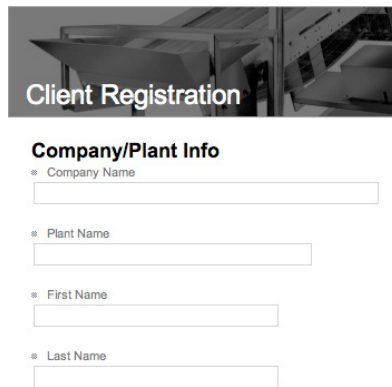
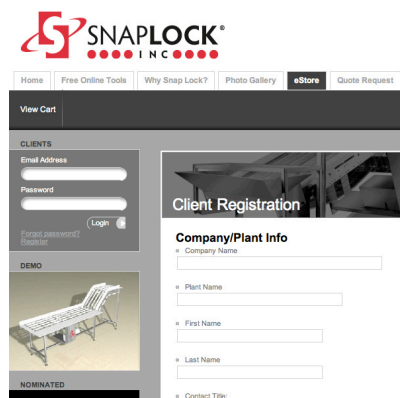
This option provides a central location to record and track equipment and components. Customers can view their assets by plant or plants, putting company wide asset management at their fingertips. Archived record reports can be viewed and printed for a complete history of maintenance scheduled and performed. Though Snap Lock equipment requires little to no maintenance, our E-Maintenance features will help keep your equipment in top performing condition.

**ROI CALCULATOR**

Potential Return on Investment may be determined with Snap Lock’s proprietary and standard ROI Calculator. The calculators provide comprehensive printouts to prepare for a meeting with project justification and support documentation.

**E-COMMERCE**

Customers can purchase replacement conveyor components, belting, motors, gear boxes, and controls. Most items ship next business day with shipping and payment options available. Because the E-Asset and E-Maintenance is linked to E-Commerce, the site offers worry-free ordering of replacement parts.



**WE OWE IT TO OUR CUSTOMERS TO MAKE THEIR JOB EASIER.**

And pledge to do so in every aspect of the business we do together.

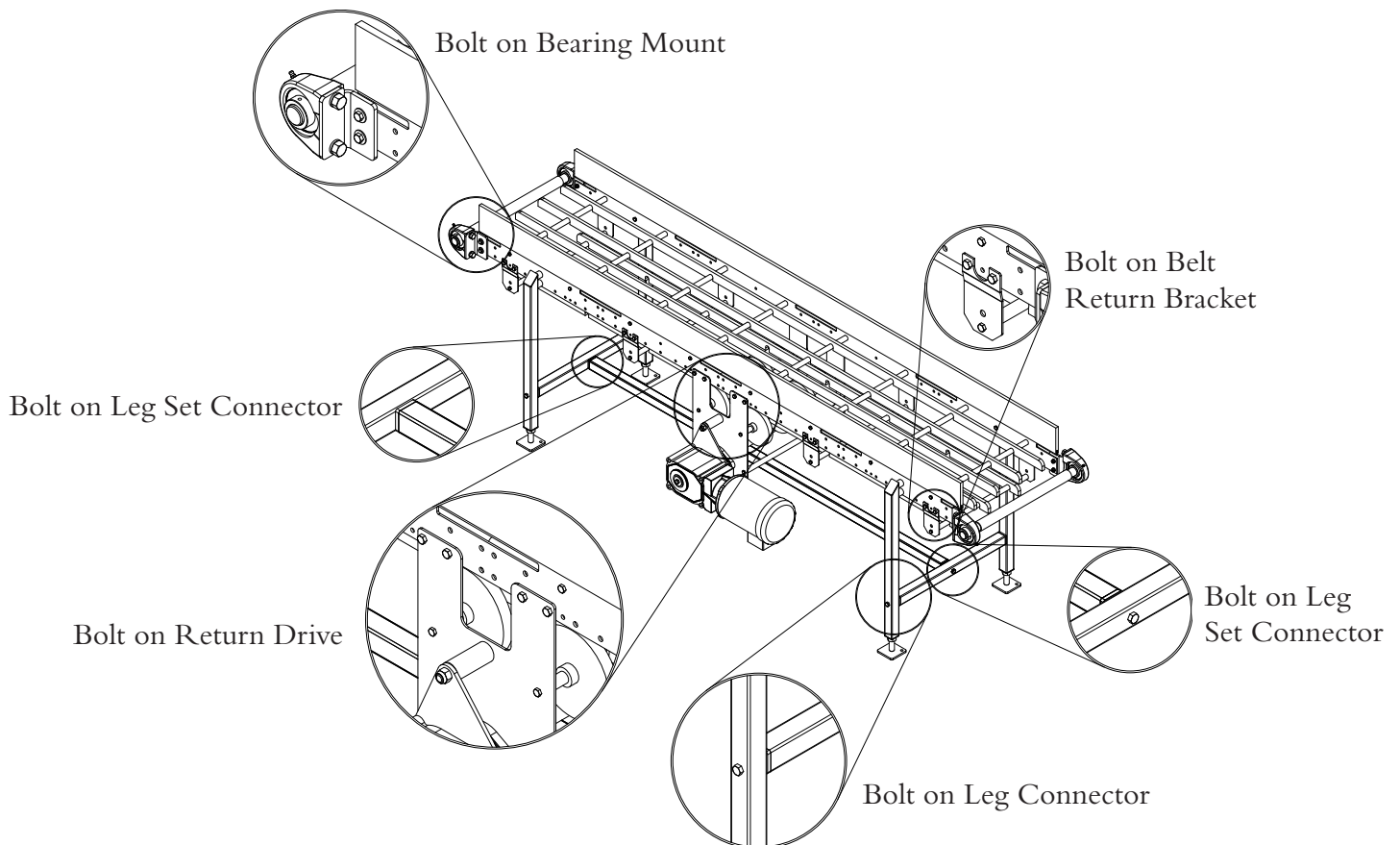
## CONVEYOR CONFIGURATIONS

### **BOLTED CONSTRUCTION**

The ease of modification is what makes this conveyor system so unique. Snap Lock Conveyors are constructed of high quality stainless steel and UHMW polyethylene material.

Part and components are bolted in place, this option allows for the most versatile modularity for both assembly and disassembly.

Customers may easily disassemble and place parts and components back into inventory in preparation of new or updated applications taking up less space and minimizing equipment bone yards.



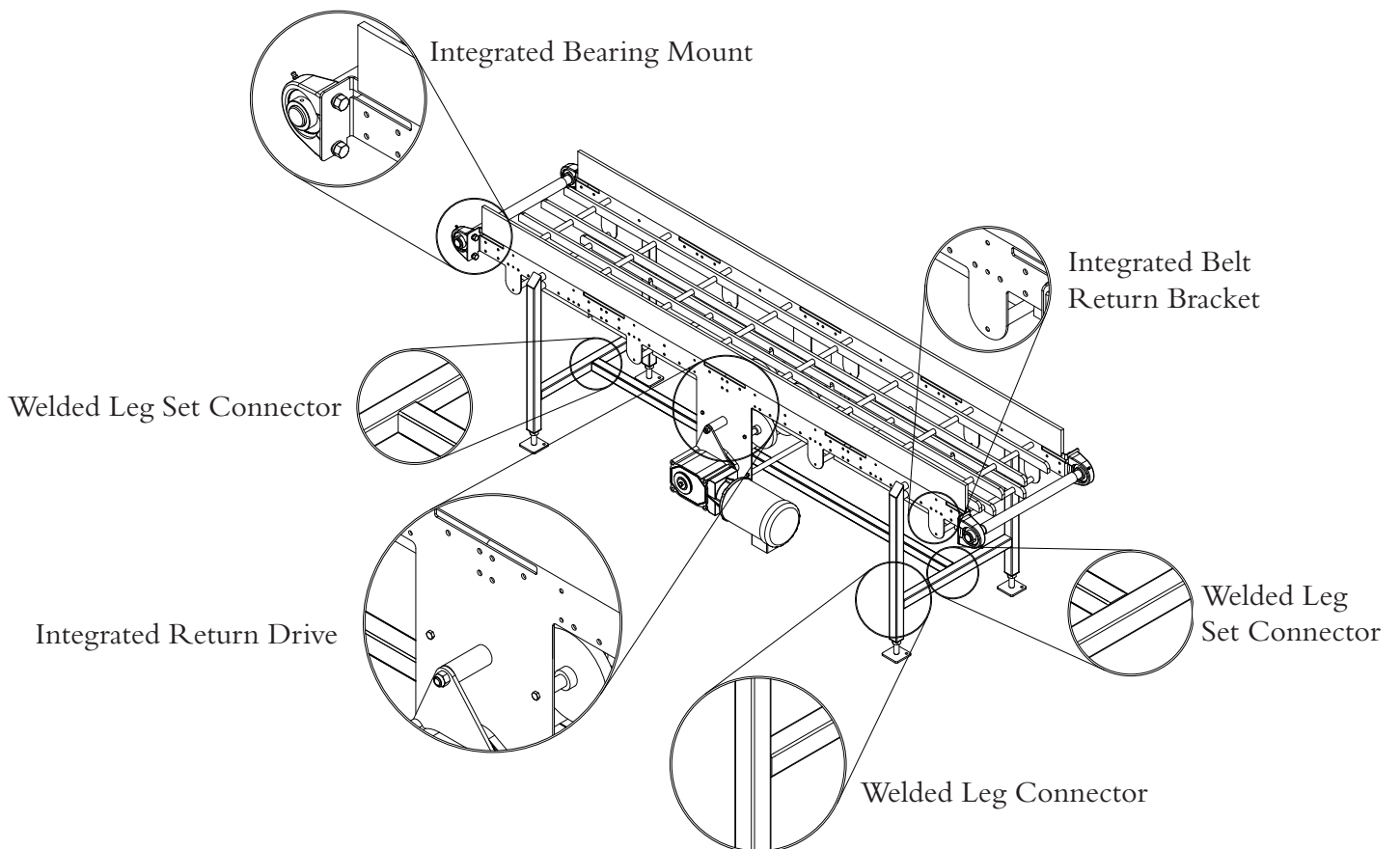
## CONVEYOR CONFIGURATIONS

### WELDED CONSTRUCTION

Welded construction option minimizes laminates between features and components and allows for use in the most stringent hygienic environments common to meat and poultry, ready to eat, dairy and pharmaceutical.

### WELD FINISHES

- Full weld with weld ripple remaining discoloration removed
- Full weld with welds ground smooth
- Full weld with welds ground to #4

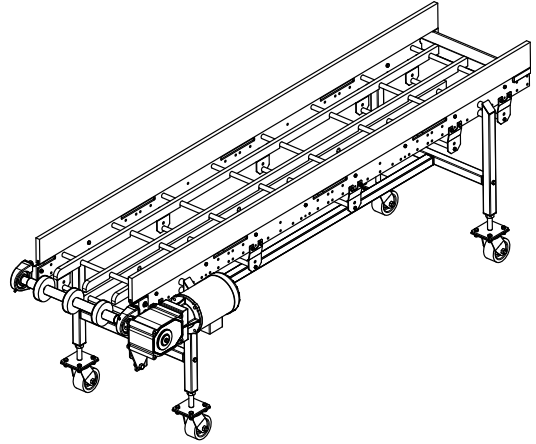




## CONVEYOR CONFIGURATIONS

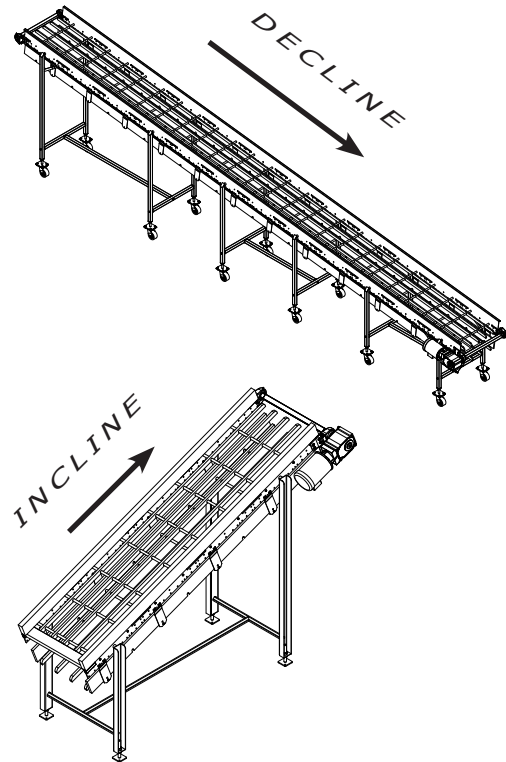
### HORIZONTAL CONVEYOR

- Allow for conveying on a common plain or elevation.
- Minor In-feed / Out-feed elevation adjustment with foot levelers.



### STRAIGHT INCLINE / DECLINE CONVEYOR

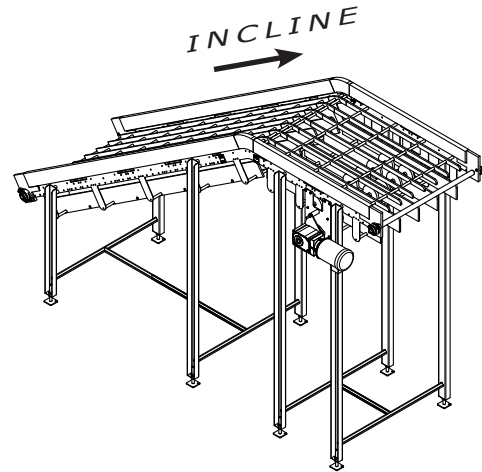
- Allows for conveying with varying In-feed / Out-feed elevation. (Typically 0-45 degree)
- Product sliding and or cascading may occur and should be evaluated per application.
- Flighted or Grip Top / Friction belts are most common in this configuration.
- Hopper option may be included to assist in receiving product onto the conveyor.



## CONVEYOR CONFIGURATIONS

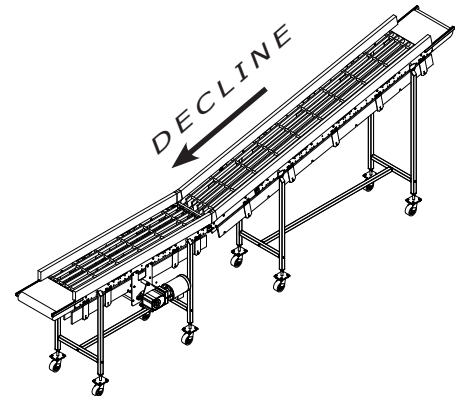
### **INCLINE / DECLINE CONVEYOR WITH UPPER HORIZONTAL**

- Allows for conveying with varying In-feed / Out-feed elevation.  
(Typically 0-45 degree)
- The upper horizontal section allows for better control and transfer.
- Product sliding and or cascading may occur and should be evaluated per application.
- Flighted or Grip Top / Friction belts are most common in this configuration.



### **INCLINE / DECLINE CONVEYOR WITH LOWER HORIZONTAL**

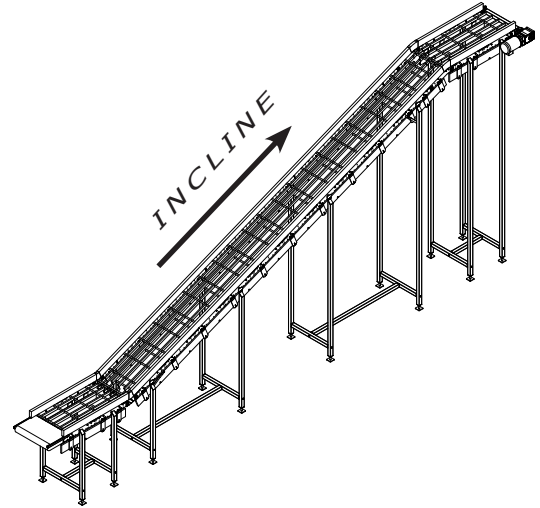
- Allows for conveying with varying In-feed / Out-feed elevation.  
(Typically 0-45 degree)
- The lower horizontal section allows for better control and transfer.
- Product sliding and or cascading may occur and should be evaluated per application.
- Flighted or Grip Top / Friction belts are most common in this configuration.



## CONVEYOR CONFIGURATIONS

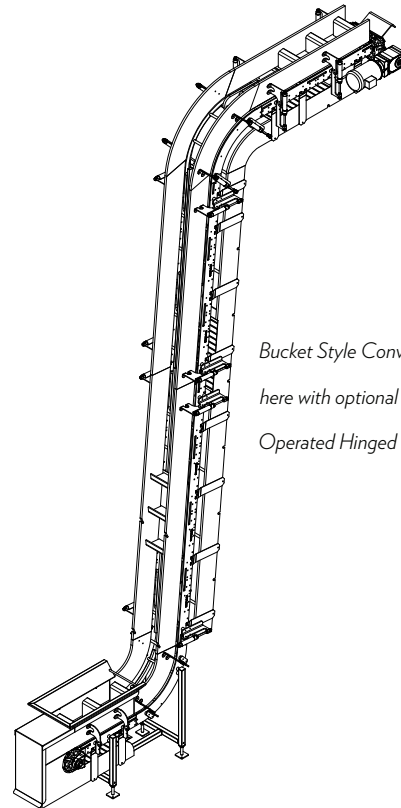
### Z-STYLE CONVEYOR

- Allows for conveying with varying In-feed / Out-feed elevation. (Typically 0-45 degree)
- The lower and upper horizontal section allows for better control and transfer.
- Product sliding and or cascading may occur and should be evaluated per application.
- Flighted or Grip Top / Friction belts are most common in this configuration.



### BUCKET STYLE CONVEYOR

- Allows for conveying when drastic elevation change is required. (85 degree angle is standard)
- The lower and upper horizontal section allows for better control and transfer.
- Bucket / Scooped flighted belt are used.
- Hopper option may be included to assist in receiving product onto the conveyor.



*Bucket Style Conveyor shown here with optional Pneumatically Operated Hinged Side Rails*

## MODULAR RADIUS CONVEYOR

Radius Section: Heavy, Medium, and Light

Side Panel: 10 gauge material thickness

Side Rails: Integral s/s or adjustable side rails

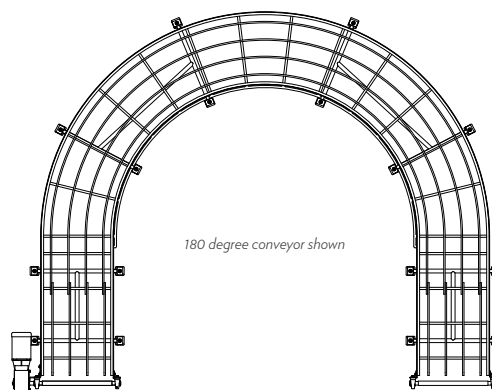
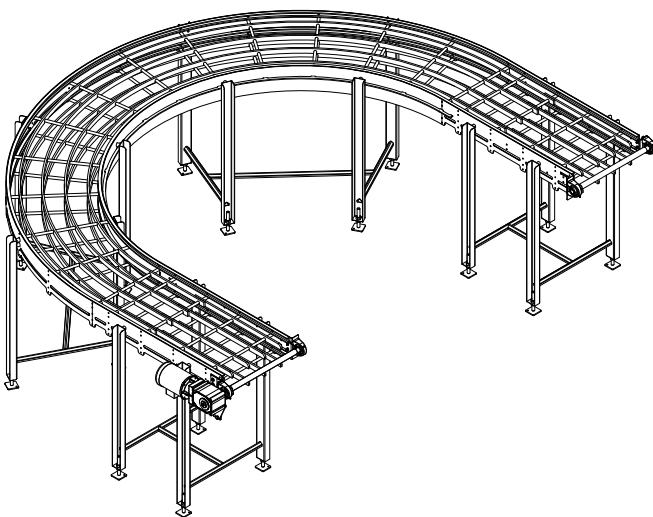
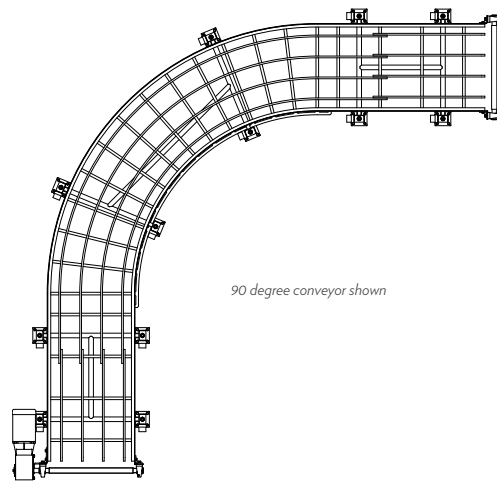
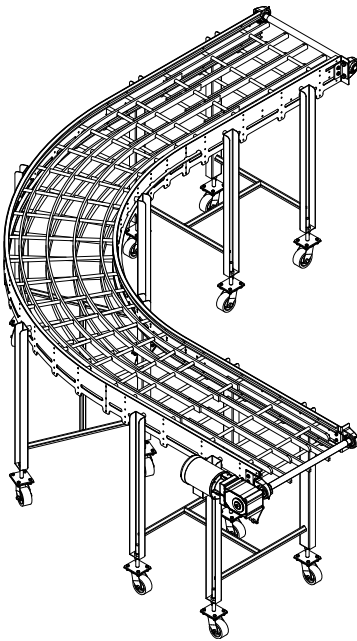
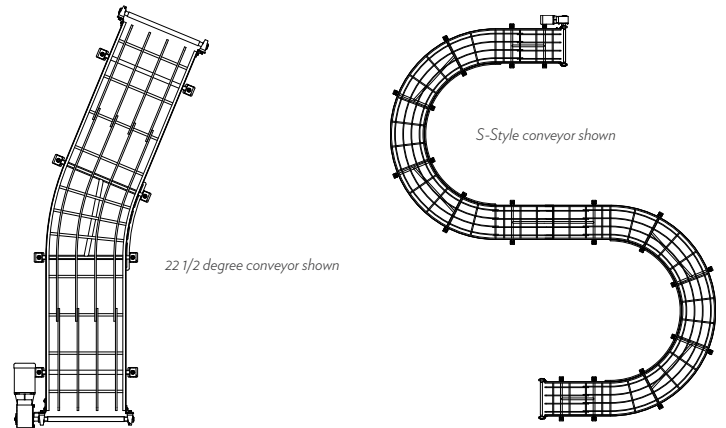
Belt Support: 1/2-inch material thickness

Support Frame: Square tube option / Channel Option

Welded Option: Standard

Radius Angle: Radius angle may vary from 0- 180 degrees

*S- Style Conveyor configuration also available*



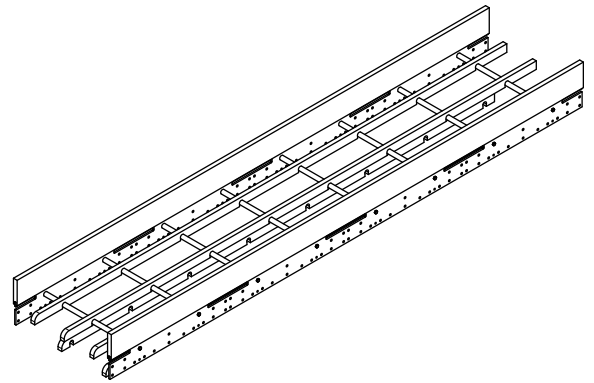
**THE SNAP LOCK PATENTED MODULAR CONVEYOR SYSTEM CAN BE CONSTRUCTED USING EITHER A BOLTED OR WELDED SIDE PANEL DESIGN, WHICH ENABLES A WIDE RANGE**

**OF OPTIONS.** The ease of modification is what makes this conveyor system so unique. Snap Lock Conveyors are constructed of high quality stainless steel and UHMW polyethylene material that makes this perfect for most applications, especially food industry use.

**SNAP LOCK KITS**

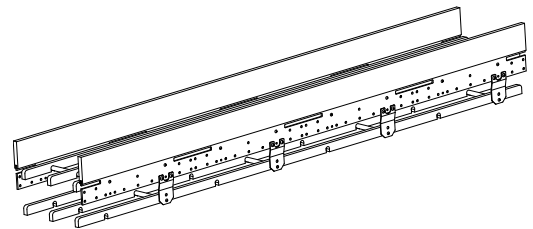
**8-FT AND 10FT CONVEYOR BED KIT SLK001MC:**

Kit contains all components necessary to assemble a conveyor bed only.



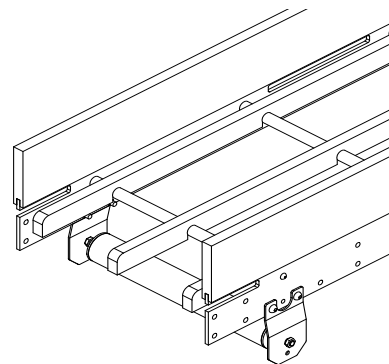
**RETURN BELT SUPPORT BED KIT SLK013MC:**

Use this kit when return belting requires additional support. The kit provides all components to support belting for an entire 8-FT section. Belt width required when ordering.



**RETURN BELT SUPPORT ROLLER KIT SLK014MC:**

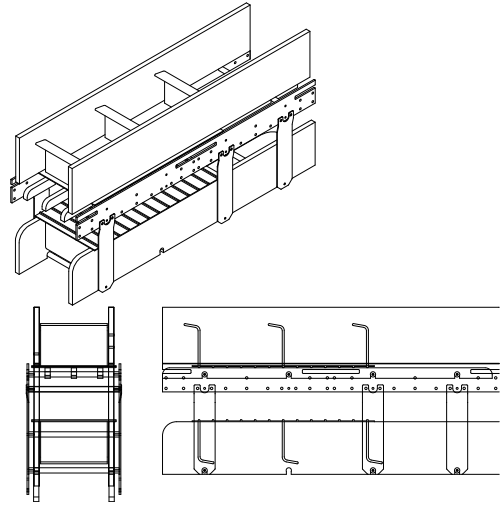
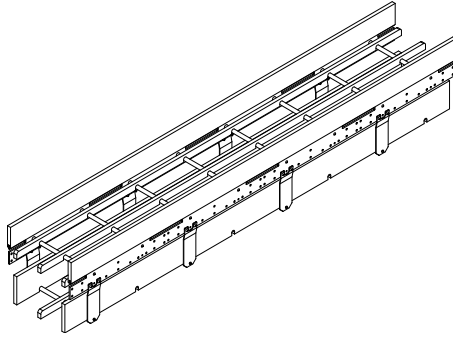
Use this kit when intermediate-belting support is required. The return rollers can be mounted from 12-inch to 48-inch apart down the entire length of the conveyor bed. Consult belting manufacturer for proper spacing. Kit contains parts for one roller set. Belt width required when ordering.





## RETURN BELT SUPPORT BED KIT SLK017MC:

Use this kit with flighted belts when the return belting requires additional support. The kit provides all components to support belting for an entire 8-FT section. Belt width required when ordering.

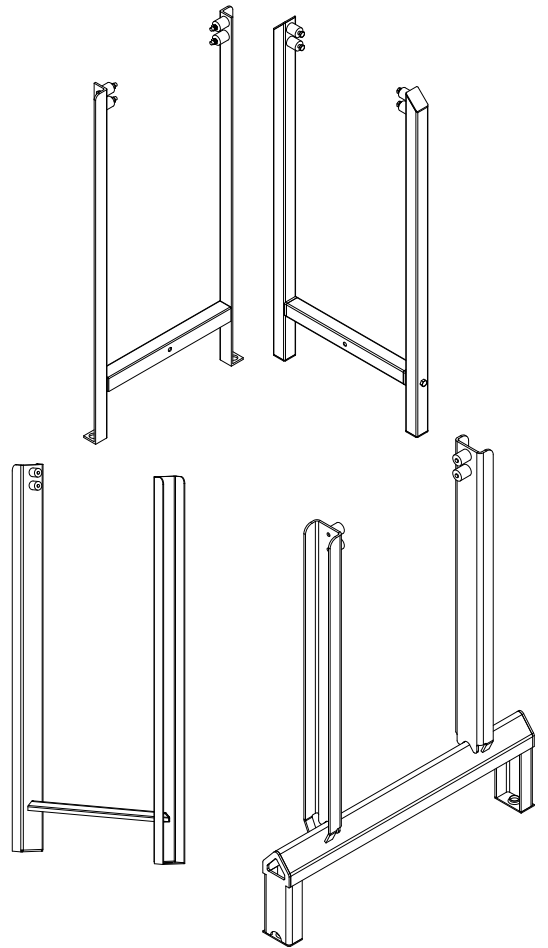


## SUPPORT TYPES

### LEG SET ATTACHMENT KITS

Leg Sets can be ordered with legs fabricated from square tubing, channel, or angle. The connecting member can be fabricated from square tubing or formed channel. Available, but not included in these kits, are Leg Set Connecting Members. Leg Sets are special order items; belt height and width must be specified at time of order placement.

- Square tube and angle are available as bolted or welded.
- Channel legs are available as welded with bolt connections to conveyor bed.
- Channel leg connections and leg set connectors are available welded or bolted.



### LEG SET CONNECTOR KITS

Leg Set Connectors can be ordered with connectors made of tubing or channel. The Connectors are special order items. The leg set's center to center spacing must be specified at time of order placement.

SLP010MC - Kits with square tubing as Connector and bolting to tubing at both ends.

SLP054MC - Kits with square tubing as Connector and bolting to channel at one end and tubing at other end.

SLP055MC - Kits with square tubing as Connector and bolting to channel at both ends.

SLP011MC - Kits with channel as Connector and bolting to channel at both ends.

SLP056MC - Kits with channel as Connector and bolting to channel at one and tubing at the other end.

SLP057MC - Kits with channel as Connector and bolting to tubing at both ends.

### LEG OPTIONS

#### SQUARE TUBE

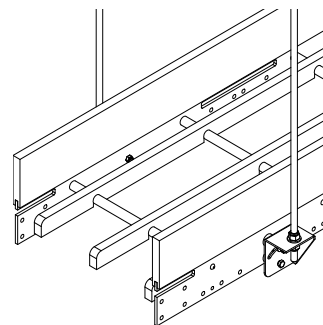
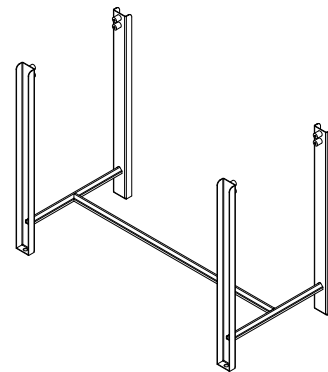
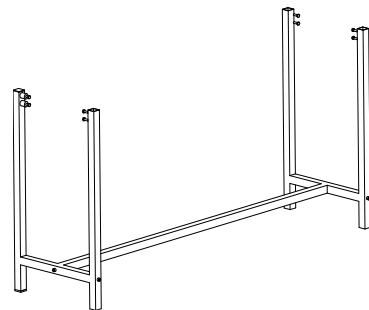
- Traditional support frame.
- Most common option with bolted construction.

#### FORMED CHANNEL

- Eliminates encapsulated tube that can collect moisture and create harborage areas.
- Most common option with welded construction.

#### FORMED OR STRUCTURAL ANGLE

- Eliminates encapsulated tube that can collect moisture and create harborage areas.
- Most common option with welded construction.



### LEG STYLES

#### SUSPENSION BRACKET KIT SLK060MC:

This mounting configuration is used when leg length

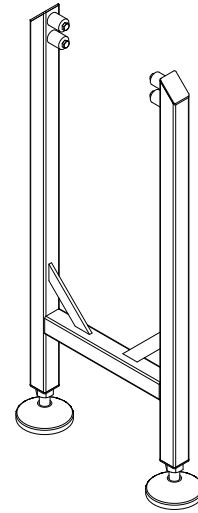
becomes

impractical or floor confinements restrict the use of legs.

## LEG STYLES

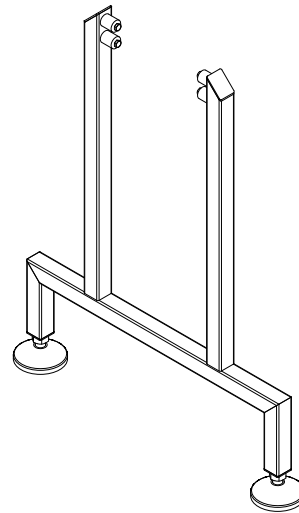
### **LEG WITH SUPPORT GUSSETS**

Gusseted leg supports option may be added to reduce side motion and prevent racking.



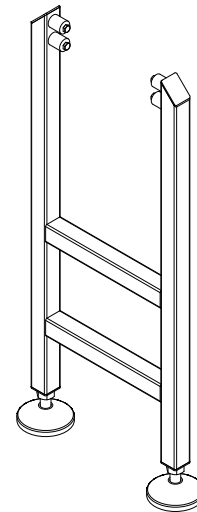
### **OUTRIGGERED LEG**

Outrigger leg support option may be added to assist conveyor stability for narrow or tall conveyors.



### **DOUBLE LEG CONNECTOR**

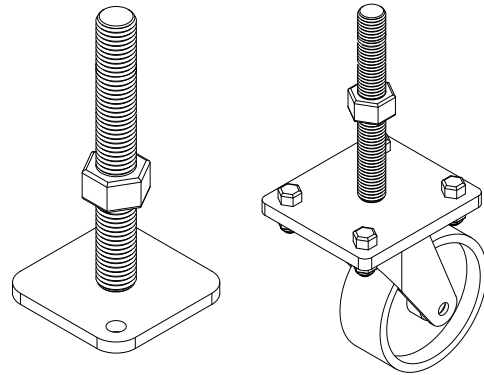
Additional Leg connectors may be added to reduce side motion, prevent racking and can be used in combination with leg gussets.



## SUPPORT FEET TYPES

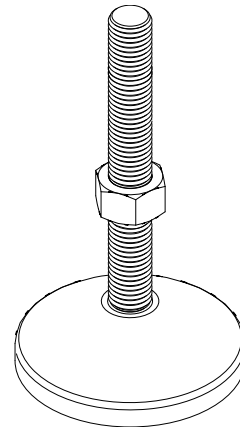
### **FOOTPAD KIT** SLK015MC:

The Footpad offers plus or minus 2-inch of adjustment and permits anchoring to the floor. (Additional adjustment length available upon request)



### **CASTERPAD WITH CASTER KIT** SLK016MC:

The Casterpad also offers plus or minus 2-inch of adjustment as well as allows the conveyor system to be portable. (Additional adjustment length available upon request)



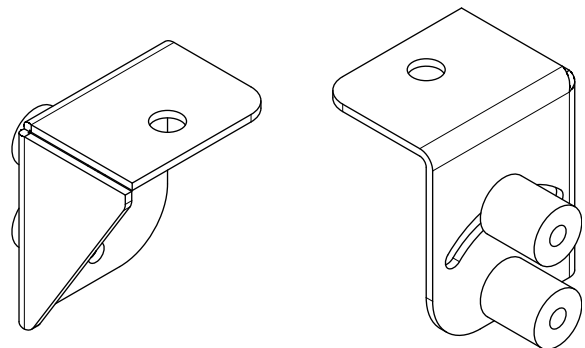
### **SWIVEL BASE FOOT LEVELER** SLK065MC:

Swivel Base Foot Leveler allow for a better support on uneven floor surface and can be anchored to the floor. (Additional adjustment length available upon request)

### **SUSPENSION BRACKETS** SLK060MC:

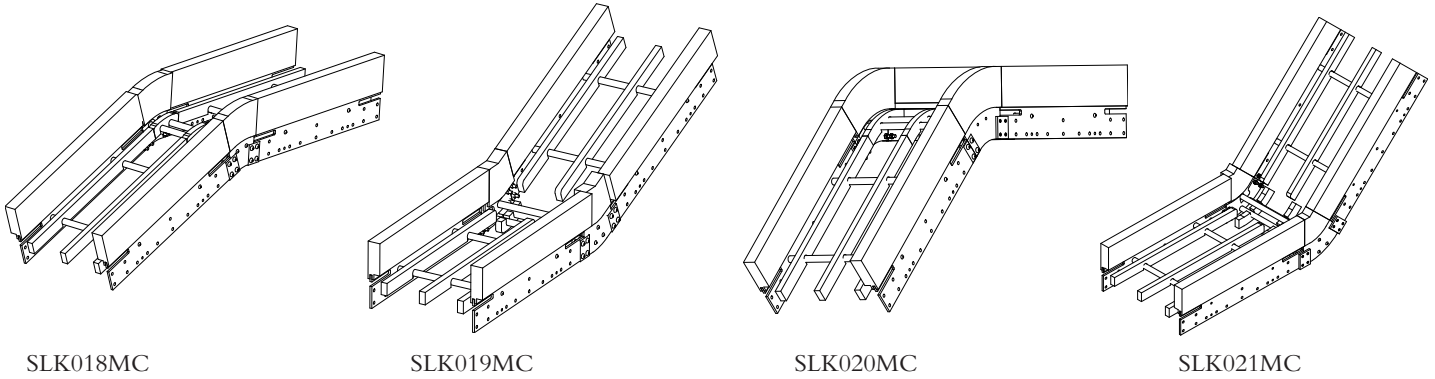
Suspension Brackets allow for supporting a conveyor bed from an overhead structure and are commonly used for higher elevation conveyors and to keep clear area under the conveyor.

Suspension brackets allow conveyor angles from 0-45 degree.



**INCLINE/DECLINE ARE AVAILABLE FROM 0° TO 45° WITH SOME ANGLES STOCKED AS STANDARD**

Incline/Decline figures shown below are SLK024MC for 10° lower attachment kit and SLK025MC for 10° upper attachment kit, SLK018MC for 22-1/2° upper attachment kit and SLK019MC for 22-1/2° lower attachment kit and SLK020MC for 45° upper attachment kit and SLK021MC for 45° lower attachment kit. For straight sections before and after incline/decline use kits SLK001MC/SLK002MC.



SLK018MC

SLK019MC

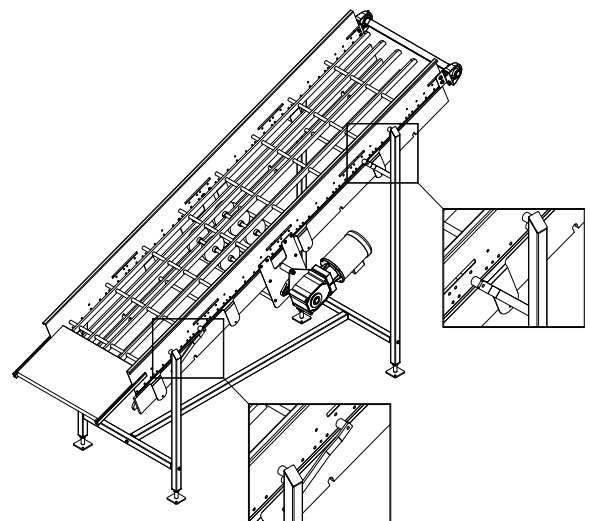
SLK020MC

SLK021MC

**INCLINE/DECLINE LEG SET KITS**

SNAP LOCK Modular Conveyors can be inclined/declined up to a 45° angle using any of these kits. Leg Sets are special order items. The upper and lower belt heights and horizontal bed length (or diagonal bed length) are required to calculate these leg lengths.

- Leg Set Kits with tubing legs and tubing connector.....SLK022MC
- Leg Set Kits with angle legs and channel connector.....SLK023MC
- Leg Set Kits with angle legs and tubing connector.....SLK051MC
- Leg Set Kits with tubing legs and channel connector.....SLK053MC



**INCLINE/DECLINE STABILIZER KIT SLK026MC:**

The stabilizer locks the angle of the inclined or declined conveyor bed.



### **SNAP LOCK DRIVE SYSTEMS**

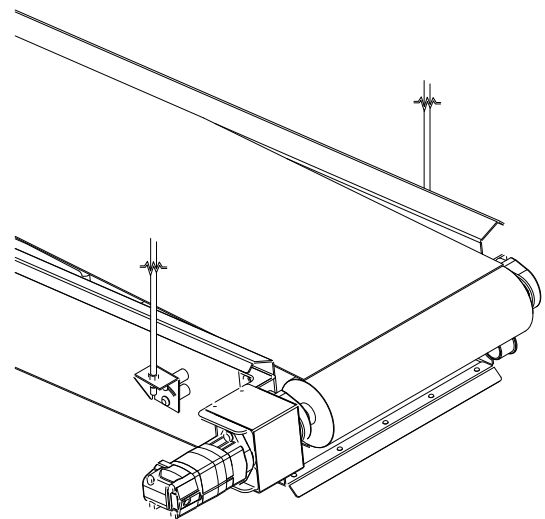
All Snap Lock Drive Systems are constructed from the highest quality components. Drive motors are washdown rated, totally enclosed, non-ventilated, and are available in 110 Volt/AC through 460 Volt/AC single or three phases. Available up to two horsepower. DC motors are 115 Volt/AC or 230 Volt/AC input voltage single phase and available up to 1-1/2 horsepower. All motors are UL listed. All gear reducers are Ironman, 10-60:1 single reduction, NEMA C face input, and hollow shaft output. Hydraulic motors are rugged industrial duty and are available up to 5400 in lbs of torque.

### **MOTORIZED DRIVE DRUM**

Motorized drive drums allow for a more compact drive system. The motor and gear reduction is contained inside the drive drum. This however requires a larger transfer area due to drum and sprocket diameter.

### **DRIVE DRUM**

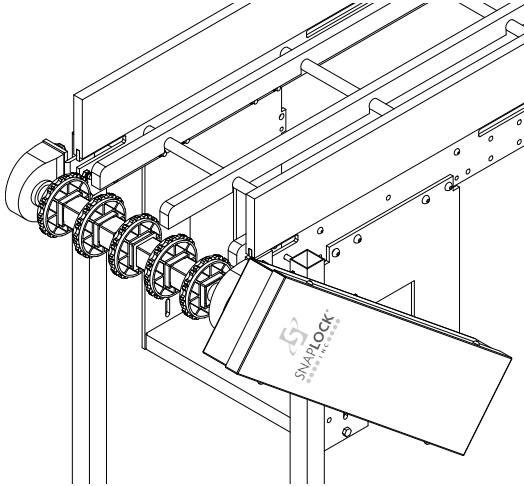
Drive drums are used to drive belts that require friction and lug style engagement. This however requires a larger transfer area due to drum diameter.



**RETURN BELT DRIVE CHAIN AND SPROCKET KIT SLK030MC:**

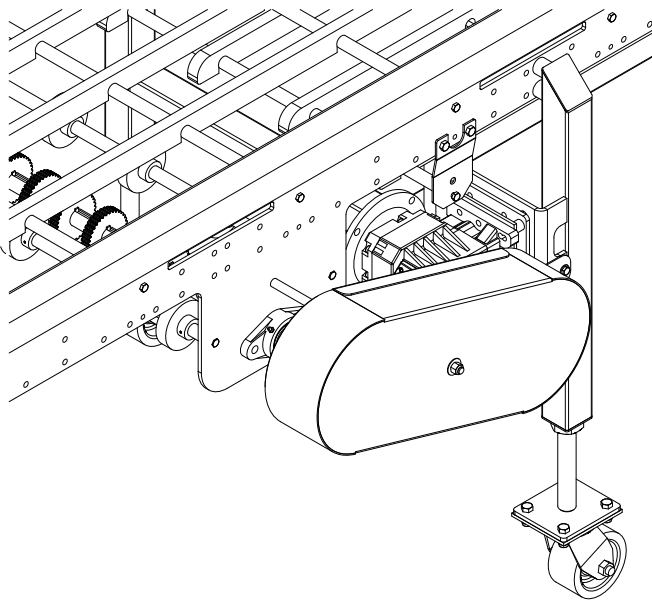
This drive kit can be used at any belt speed. Using chain and sprockets, different speeds can quickly be obtained.

It utilizes pillow block bearings, belt sprocket shaft and chain drive. It is provided with all components and hardware required for a complete installation. (Belt sprockets are not included)



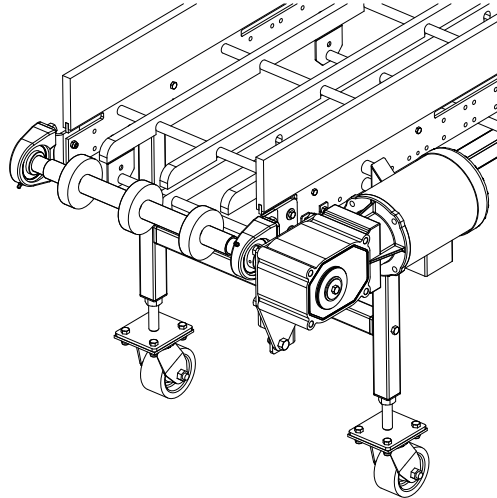
**RETURN BELT DRIVE CHAIN AND SPROCKET KIT SLK031MC:**

Return belt drive assemblies can be used at any belt speed. Using chain and sprockets, different speeds can quickly be obtained by changing sprockets. Kit is provided with all components and hardware required for a complete installation.



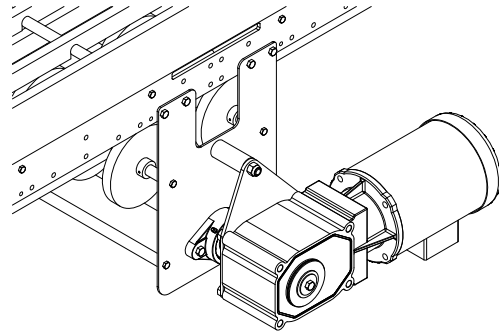
**DIRECT END DRIVE GEARBOX,  
TAPPED BASE KIT SLK034MC:**

This drive kit uses a hollow shaft gearbox that mounts directly to the belt sprocket shaft and can be used at any belt speed.



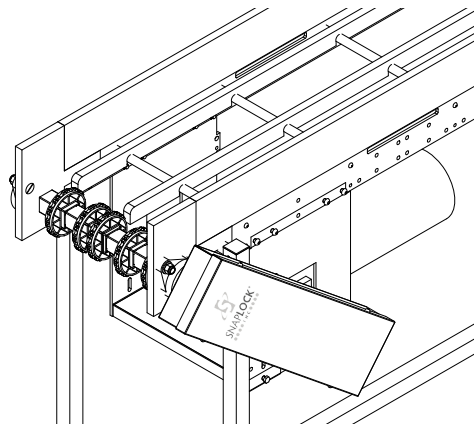
**RETURN DIRECT DRIVE SLK035MC:**

This drive kit uses a hollow shaft gearbox that mounts directly to the belt sprocket shaft and can be used at any belt speed.



**END DRIVE CHAIN AND SPROCKET,  
INSERT KIT SLK036MC:**

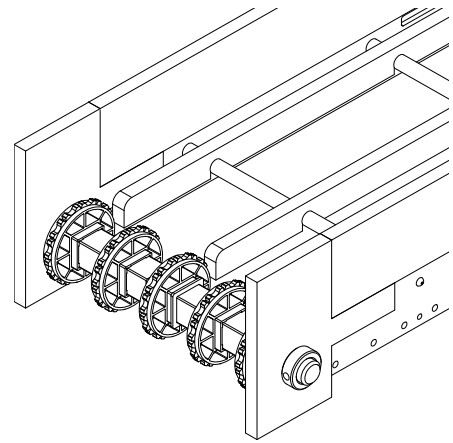
This drive kit can be used at any belt speed. Using chain and sprockets, different speeds can quickly be obtained by changing sprockets. It utilizes UHMW inserts with 2-bolt bearings and belt sprocket shaft. It is provided with all components and hardware required for a complete installation.



**IDLER SHAFT AND SPROCKET,**

**INSERT KIT SLK042MC:**

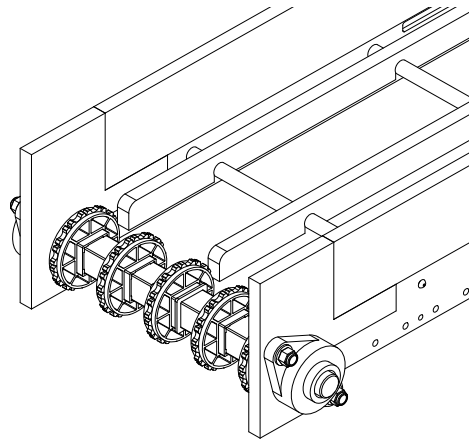
This idler kit can be used with belt speeds up to 25 feet per minute. It utilizes UHMW inserts and belt sprocket shaft.



**IDLER SHAFT AND SPROCKET,**

**INSERT KIT SLK043MC:**

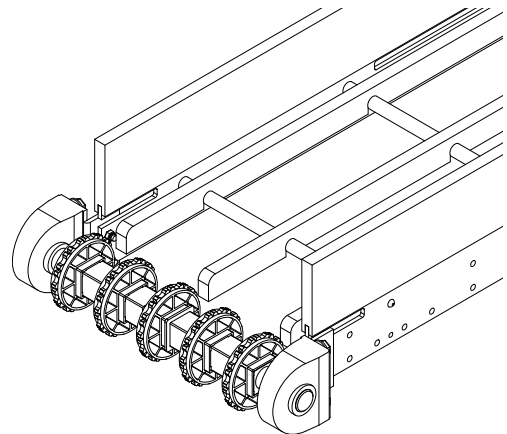
This idler kit can be used at any belt speed. It utilizes UHMW inserts with 2-bolt bearings and belt sprocket shaft.



**IDLER SHAFT AND SPROCKET**

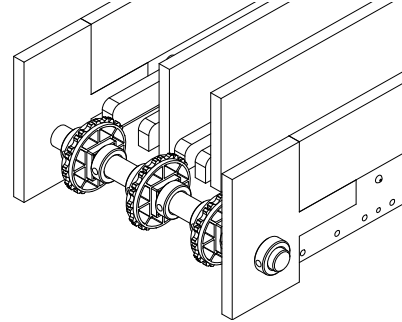
**PILLOW BLOCK KIT SLK044MC:**

This idler kit can be used at any belt speed. It utilizes pillow block bearings and belt sprocket shaft.



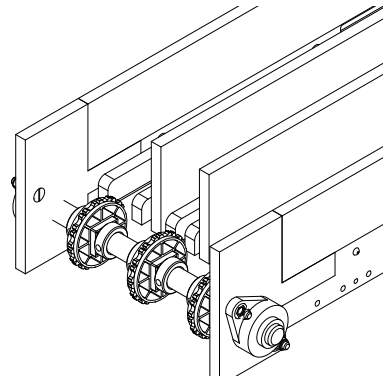
**MULTI-LANE IDLER SHAFT, INSERT KIT SLK047MC:**

This idler kit can be used with belt speeds up to 25 feet per minute. It utilizes UHMW inserts and round belt shafts to enable any lane to operate at different speeds.



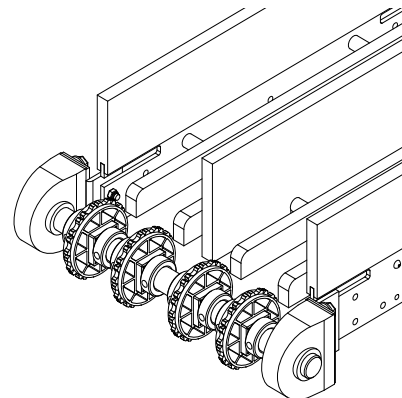
**MULTI-LANE IDLER SHAFT, INSERT KIT SLK048MC:**

This idler kit can be used at any belt speed. It utilizes UHMW inserts with 2-bolt bearings and round belt shafts. Round shafts enable any lane to operate at different speeds.



**MULTI-LANE IDLER SHAFT,  
PILLOW BLOCK Kit SLK049MC:**

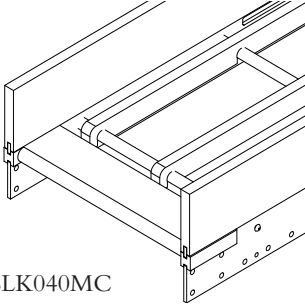
This idler kit can be used at any belt speed. It utilizes pillow block bearings and round belt shafts. Round shafts enable any lane to operate at different speeds.



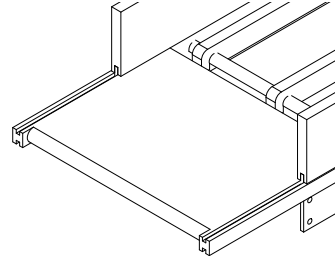


**1-INCH STANDARD AND EXTENDED NOSE BAR KITS SLK040MC and SLK041MC:**

These Nose Bar inserts are used on idler ends and can be used with belt speeds up to 25 feet per minute. The extended nose bar may be used to accomplish bed lengths in between the standard SNAP LOCK lengths. They accept belt pitch up to 5/8-inch.



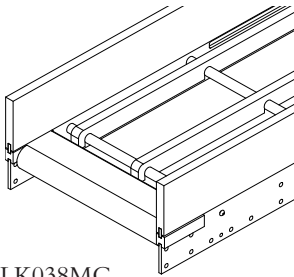
SLK040MC



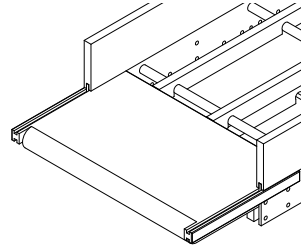
SLK041MC

**2-INCH PITCH STANDARD AND EXTENDED NOSE BAR KITS SLK038MC and SLK039MC:**

These Nose Bar inserts are used on idler ends and can be used with belt speeds up to 25 feet per minute. The extended nose bar can be used to accomplish bed lengths in between the standard SNAP LOCK lengths. They accept belt pitch up to 1-inch.



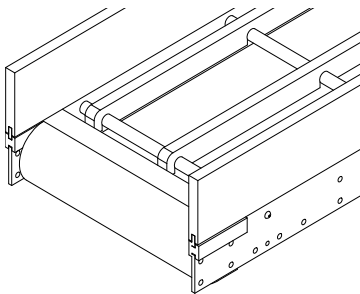
SLK038MC



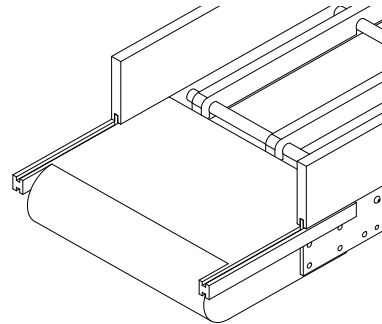
SLK039MC

**4-INCH PITCH STANDARD AND EXTENDED NOSE BAR KITS SLK045MC and SLK046MC:**

These Nose Bar inserts are used on idler ends and can be used with belt speeds up to 25 feet per minute. The extended nose bar can be used to accomplish bed lengths in between the standard SNAP LOCK lengths. They accept belt pitch up to 2-inch.



SLK045MC



SLK046MC

## CONTROLS

Most controls are NEMA 4X / IP68 rated for wash down applications

### POWER DISCONNECTS

Power disconnects allow for lockout tag out to de-energize power for safety during maintenance

### EMERGENCY STOP BUTTONS (E-STOPS)

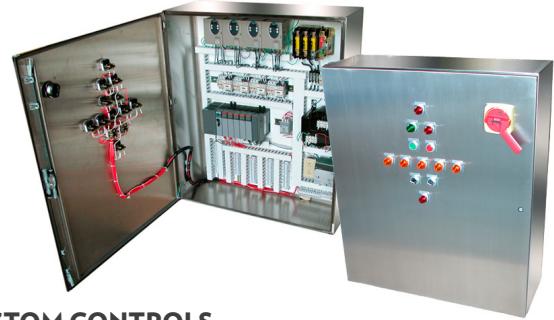
E-stop may be placed on or near conveyors for remote Emergency stopping of conveyors

### START / STOP

Start/stop allow for simple start and stopping of motors without any speed adjustment

### VARIABLE FREQUENCY DRIVE (VFD)

VFD's may be used to start, stop and tune conveyor speeds



## CUSTOM CONTROLS

*Put Snap Lock Controls to work for you*

Custom control may be added to an individual conveyor or a complete conveyor system of multiple conveyors and supporting equipment and components.

Custom controls may include the use of PLC and HMI for more complete system automation.

In addition to complete system automation Snap Lock may include our proprietary maintenance reminders and data logging.

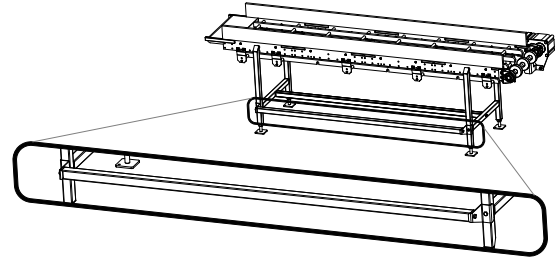
- Maintenance reminders will show a prompt on the touch screen that required maintenance is due (This is to assist with a proactive approach to reduce down time and improve production efficiency)
- Data Logging (Audit Production on the fly or after the fact)
  - Critical data information
    - Quality parameters
    - Start, stop and E-stop with time and date
      - Know your actual production run time
    - Product Count
      - (per min, per hour per shift per day real time reporting on HMI display)
    - Know shift efficiency
      - (per min, per hour per shift per day real time reporting on HMI display)
- Remote reporting
  - Send data report to a remote computer

## CUSTOM FEATURES AND OPTIONS

All of the features and options shown in this manual are also available with consideration for custom applications. Utilizing the capabilities of our sister company FBN Metal Products, SNAP LOCK can satisfy your unique conditions. We offer a full range of custom features and components including but not limited to: radius sections, product flow devices, product cooling stations, drip pans, belt wash stations, belt scrapers, slide chutes, hoppers, motor shrouds and idler.

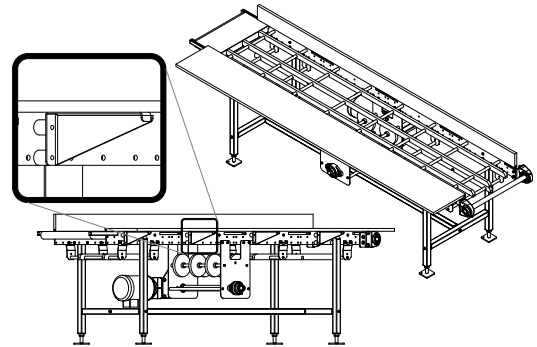
### ERGONOMIC FOOT REST KIT SLK009MC:

For comfort of operators working around modular conveyors, an Ergonomic Foot Rest is available. The foot rest can be quickly bolted to the existing Leg Sets. The kit can be attached to one or both sides of the conveyor. The foot rest tube is the same length as the leg set connecting tube to keep the item universal.



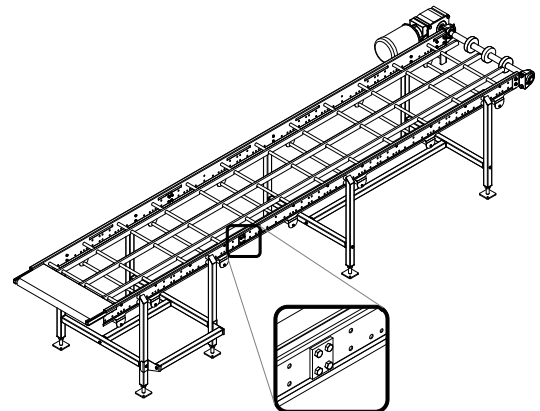
### SIDE TABLE KIT SLK008MC:

When operators are required to work on product being conveyed and returned back to the conveyor, we offer a Side Table option. The components are bolted on and require no modifications. The tabletop is made of UHMW polyethylene, which makes a perfect surface for handling and cutting. The tabletop can be quickly removed for sanitizing, without the aid of tools.



### CONNECTING PLATE KIT SLK012MC:

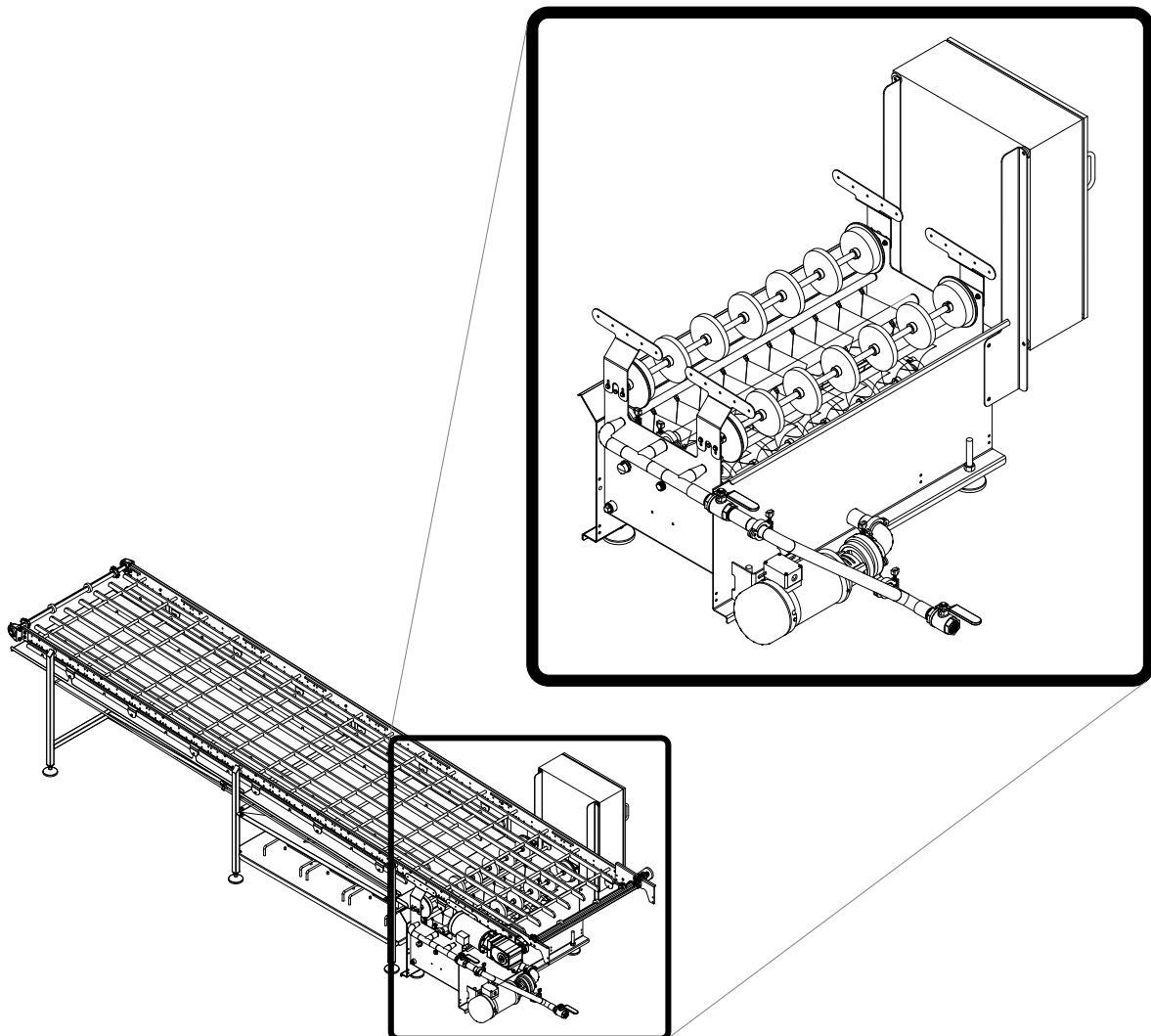
Snap Lock Modular Conveyors are designed to be connected together to create different lengths. Sections can be cut down in 2-FT increments. The side panels are equipped with a repeating pattern of holes and slots allowing components to be bolted on. The standard 8' side panel can be cut down to 6-FT, 4-FT or 2-FT lengths. The side panels may be reused on other Snap Lock conveyors. Instructions are available near the end of this manual for cutting down conveyors.



### **AUTOMATED BELT WASH**

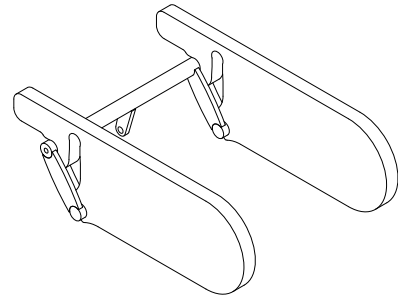
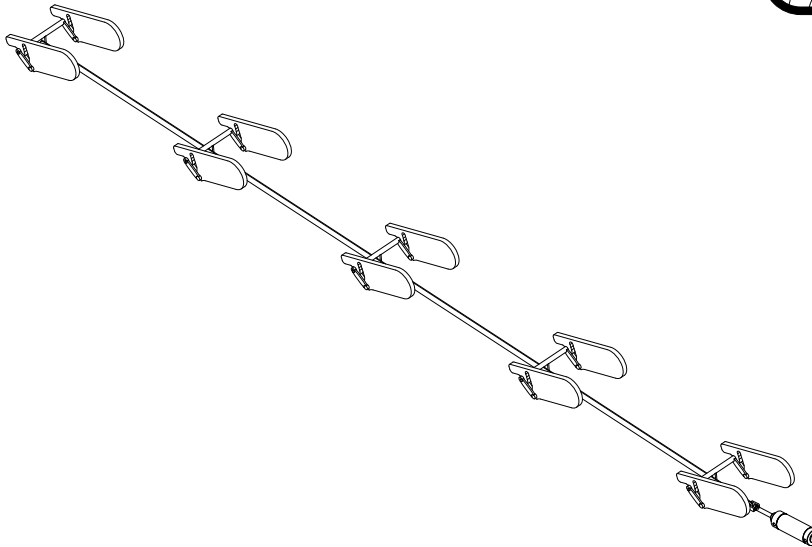
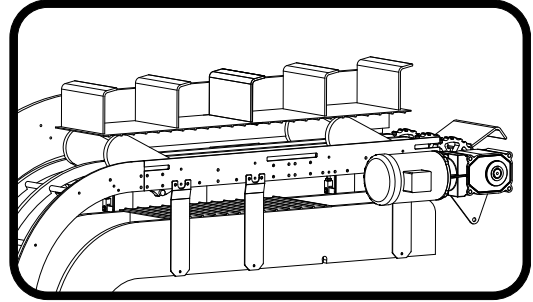
Automated belt wash may be added to conveyor systems to assist in sanitation of the belt during cleaning. These systems can be programmed to run a cleaning cycle unattended. This system allows for an aggressive spray wash of the belt.

The belt wash may be supplied with water heaters as well.



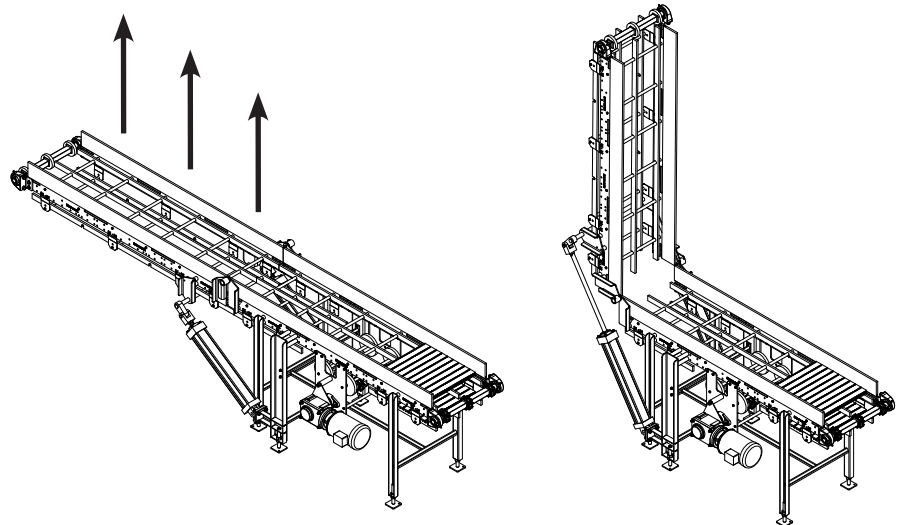
## BELT LIFTS

Belt lifts assist in better access to typically hard to get to areas. The belt lifts may be added to most Snap Lock conveyor. Belt lift system allows the operator to actuate the belt lift via a pneumatic valve.



## ARTICULATING CONVEYOR

Articulating conveyors allow for conveyor movement either manually or automatically. They can be used to change the product flow destination or to open a traffic path.



## CONVEYOR CATCH PANS

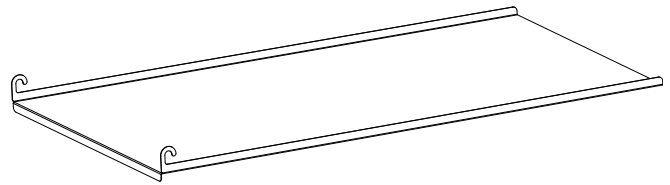
### TELESCOPING CATCH PANS

Telescoping Catch Pans allow for better containment of product residuals also referred to a drip pans. They assist in keeping areas below the conveyor clean and are of large benefit when used with suspended conveyor over a foot traffic area.

Telescoping catch pans may be used with most conveyor configurations including radius.

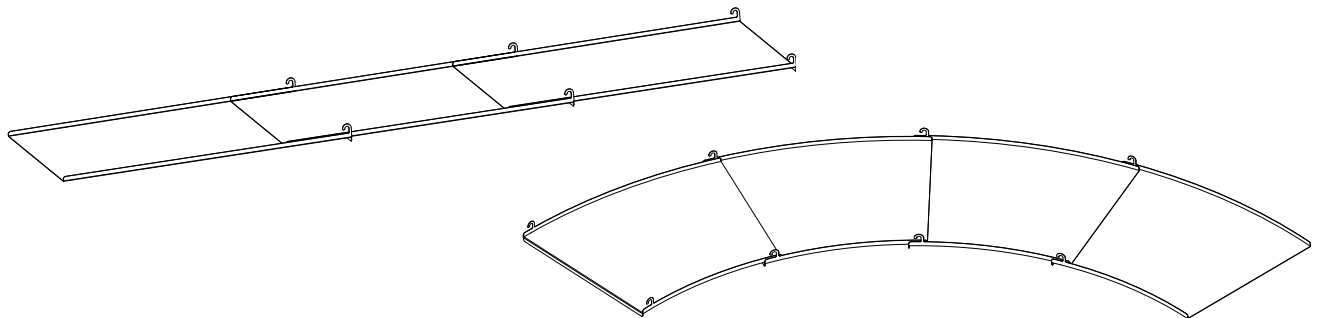
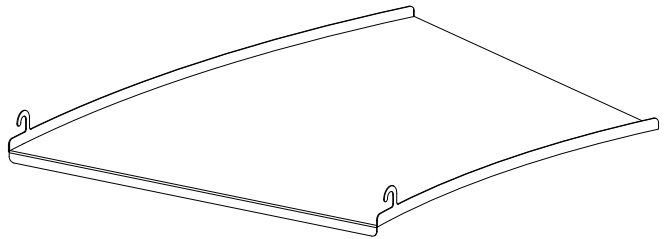
### TELESCOPING STRAIGHT CATCH PANS

Telescoping Catch Pans used for straight conveyors including incline and decline conveyors.



### TELESCOPING RADIUS CATCH PANS

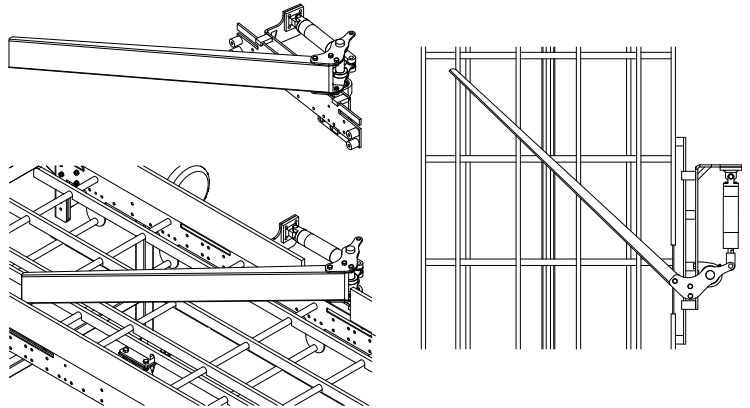
Telescoping Catch Pans used for radius conveyors.



## LANE DIVERTS

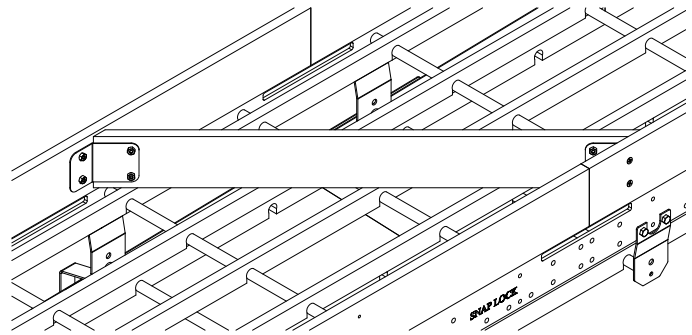
### **PNEUMATICALLY ACTUATED SIDE MOUNTED LANE DIVERTS**

Pneumatically Actuated side mounted Lane diverts assist in moving product while being conveyed. Whether changing lanes or diverting for side conveyor discharge to strategic points.



### **STATIONARY SIDE MOUNTED LANE DIVERTS**

Stationary side mounted Lane diverts assist in moving product while being conveyed. Whether changing lanes or diverting for side conveyor discharge to strategic points.



### **V-PLOW**

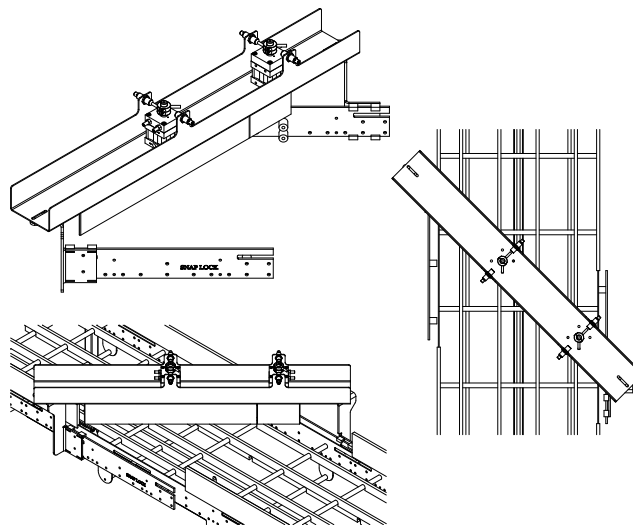
V-Plow Style diverts allow product to be separated and pushed from the center to the outside edges of the conveyor, typically for easy access to operators positioned along the sides of the conveyor.

## LANE DIVERTS

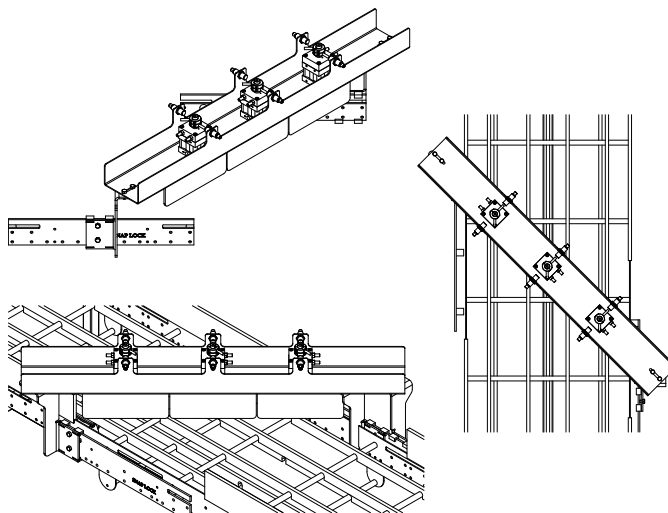
### BRIDGE MOUNTED LANE DIVERTS

Bridge mounted Lane diverts assist in moving product while being conveyed. Whether changing lanes or diverting for side conveyor discharge to strategic points. The bridge mounted lane diverts allow for better controlled product movement across the width of the conveyor Lane diverts are available as manual or automatic options.

### ROTARY DIVERT (2 GATE)



### ROTARY DIVERT (3 GATE)

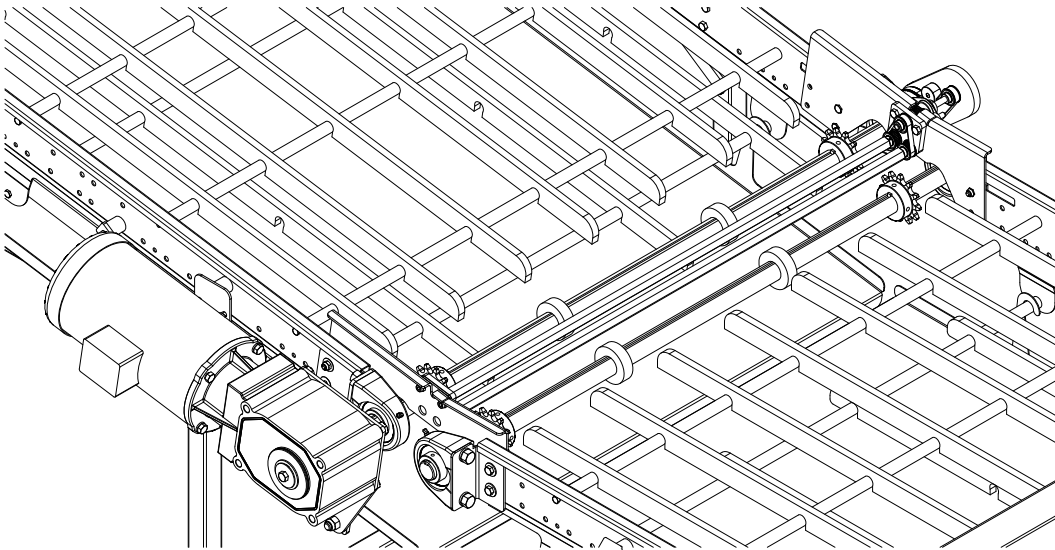




## TRANSFERS

### TRANSFERS

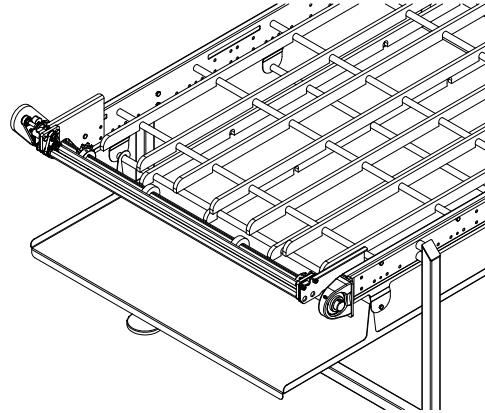
- Transfers are identified as products or items leave one piece of equipment and transferring to another.
- Large products or items may easily transfer from one conveyor to the next because they are large enough to stay self supported as they move over open sections. Smaller items present more of a challenge and may require assistance, such as transfer rollers or other methods.
- Transfers requirements are typically dictated by (1) Product/item and (2) belting characteristics, such as belt pitch. The belt pitch will determine the minimum radius the belt can follow for idler and drive end conditions. Keeping the belt pitch as small as practical will assist in improved transfers.



## TRANSFERS

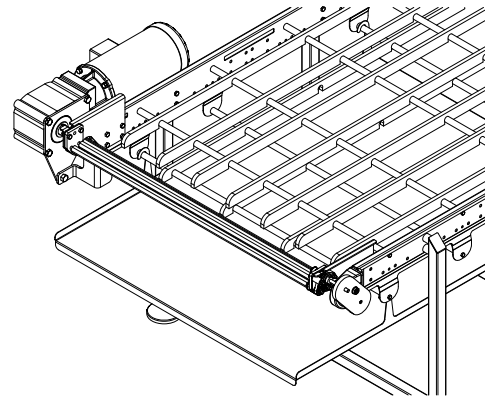
### **IDLE TRANSFER**

Idler transfers are typically on the in-feed end of the conveyor, but can be on both ends when return belt / center drive are used.



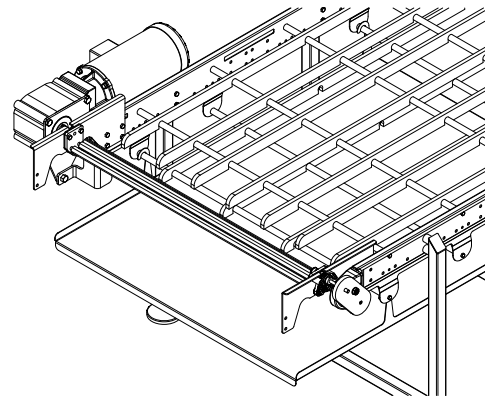
### **DRIVE END TRANSFER**

Drive end transfers are typically on the out-feed end of the conveyor.



### **EXTENDED DRIVE END TRANSFER**

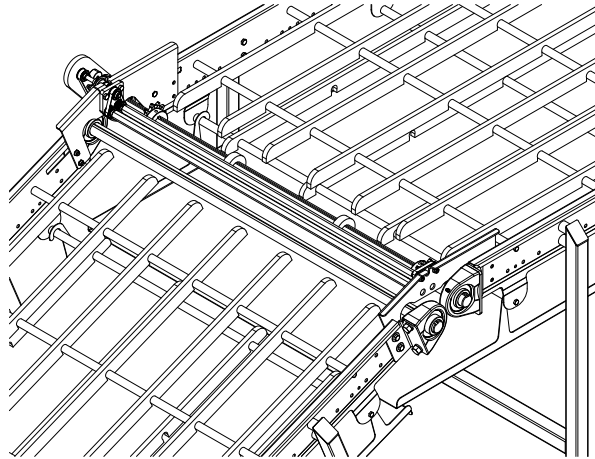
Extended drive end transfers are typically on the out-feed end of the conveyor and extend over to the following horizontal conveyor.



## TRANSFERS

### ANGLED DRIVE END TRANSFER

Angled drive end transfers are typically on the out-feed end of the conveyor and extend over to the following incline or decline conveyor.



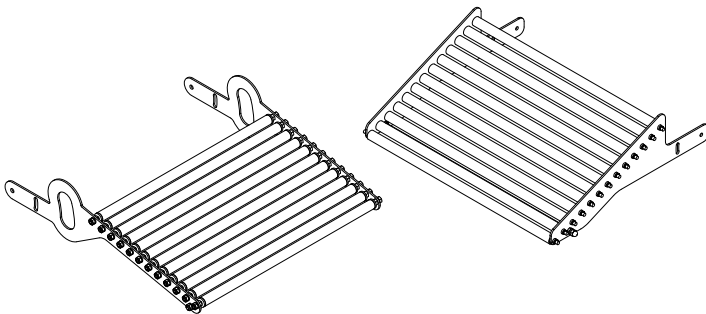
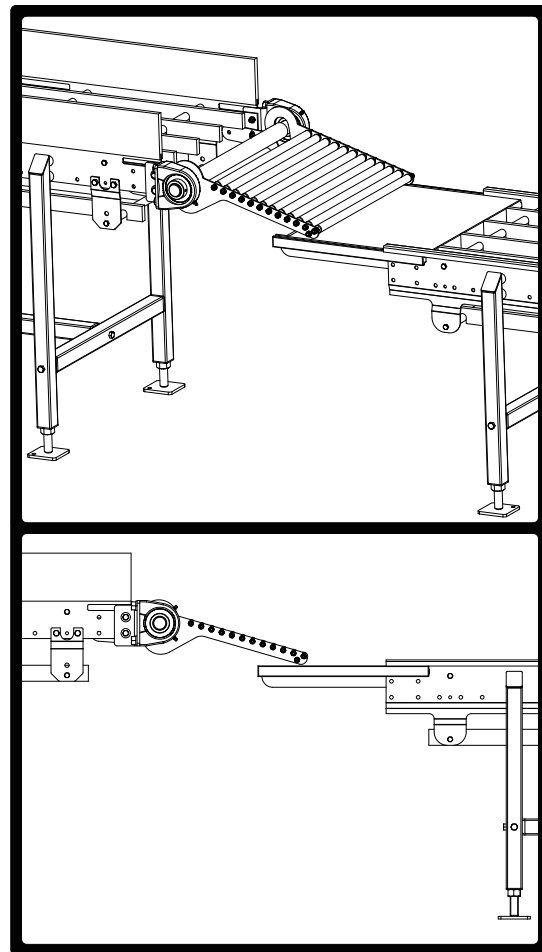
## ROLLER TRANSFERS

### POWERED TRANSFERS

- Powered transfer rollers (live roller)
- Powered transfer rollers are active or live to carry product, they can be mounted horizontally or declining, rarely inclining.

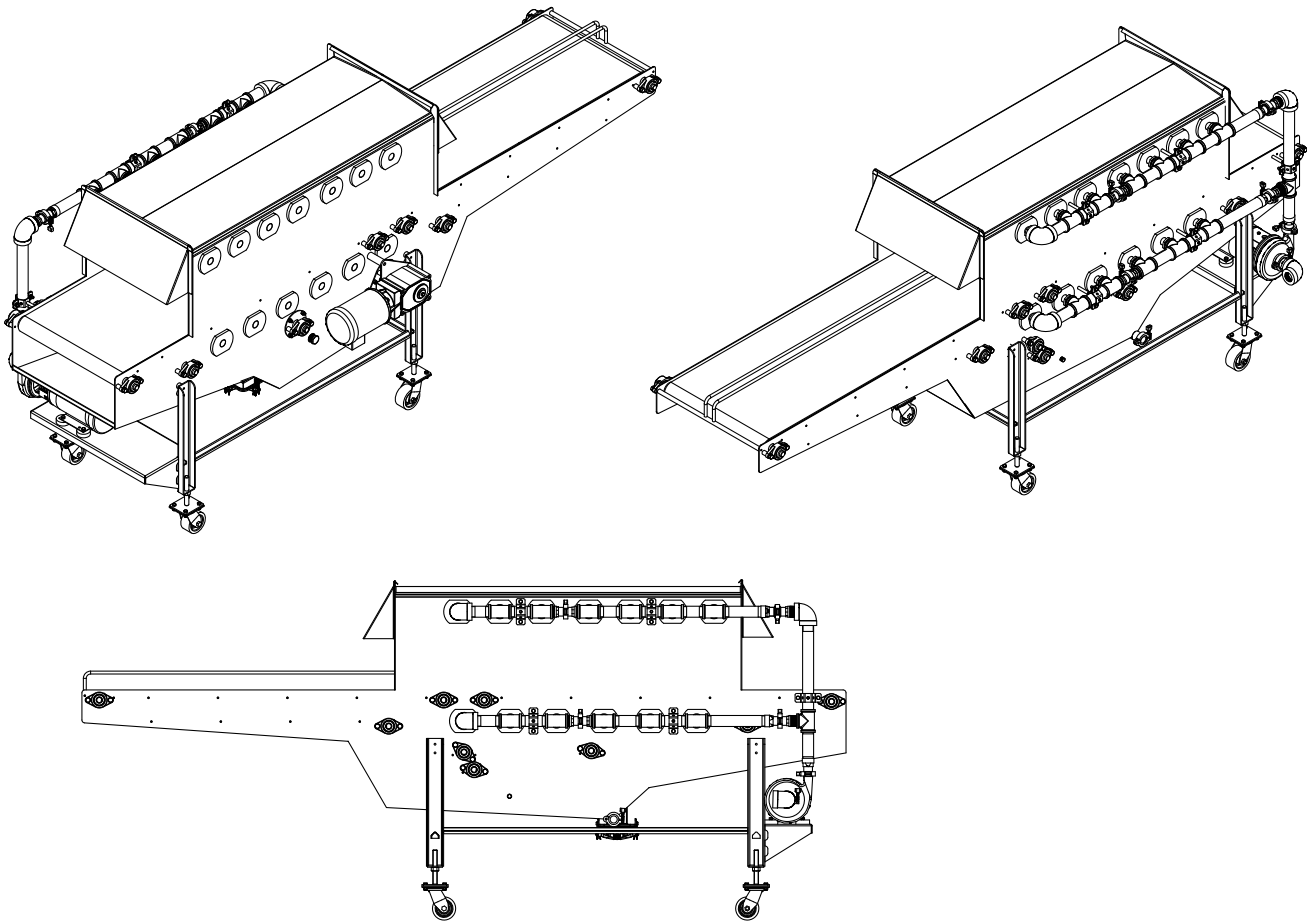
### GRAVITY TRANSFERS

- Gravity transfer rollers
- Gravity transfer rollers use the weight of the product/item in combination with a declining angle to carry the product/item.



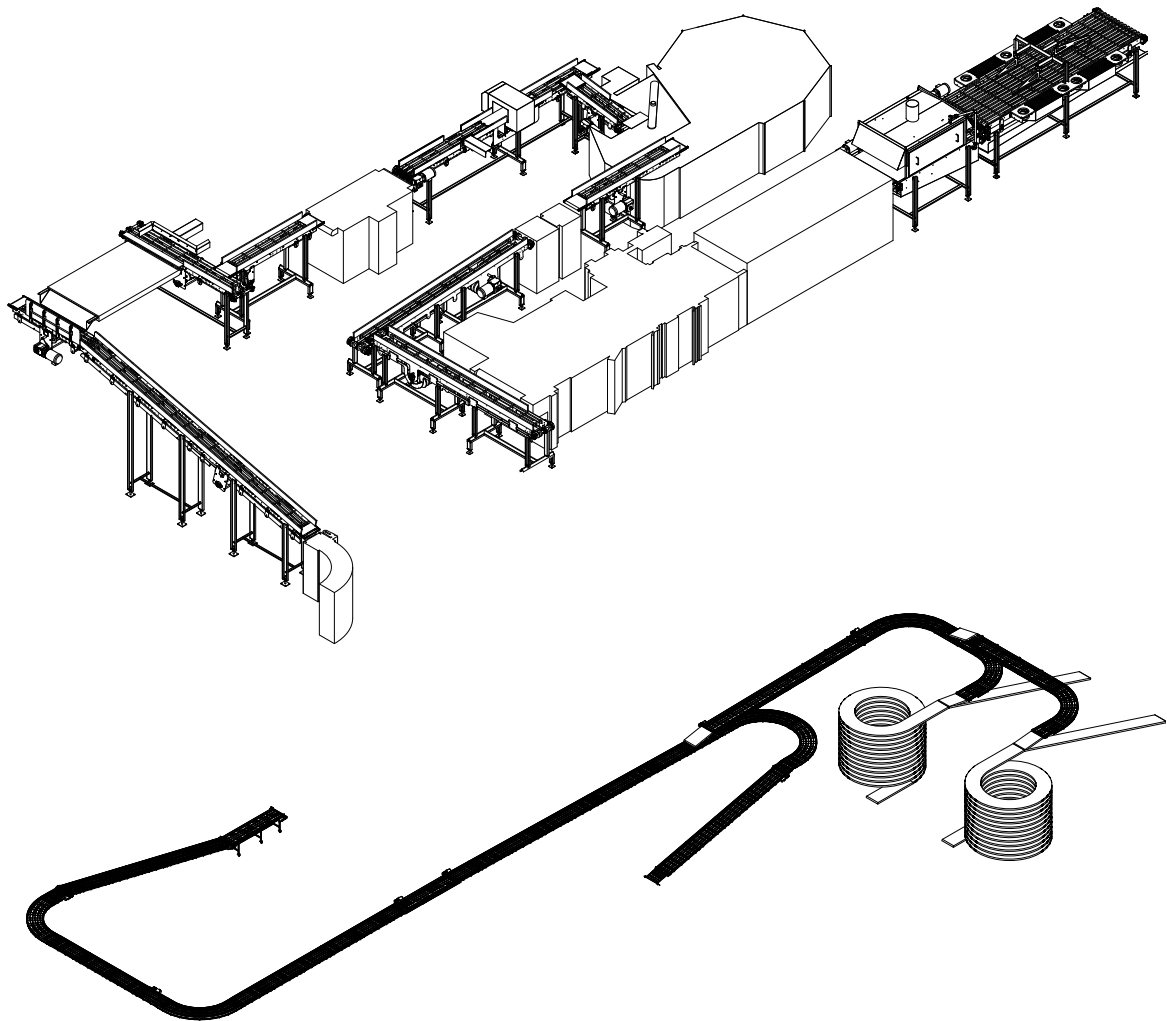
**SPRAY TUNNEL**

Spray Tunnel conveyor systems can be used for products that require a bacterial cleaning process. These systems can be programmed to run at unattended cycles. This system can be configured to meet your product requirements.



## FULL SYSTEM SOLUTIONS

As you can see from the contents of this literature, SNAP LOCK offers a wide array of products to meet your needs. If you require an item not shown in this catalog contact us as we have most likely already created a similar solution in the past. At SNAP LOCK we are not only building conveyors we are building full system solutions.



BILL OF MATERIAL  
**HORIZONTAL CONVEYOR**

PART NUMBER	ITEM	DESCRIPTION	QTY
SLP001MCXX	P001	SIDE PANEL	2
SLP002MCXXXX.XX	P002	LEG WELDMENT (square tubing)	4
SLH241XXXX	H241	HEX HD CAP SCREW, 5/16"-18UNC x 3/4" LONG	8
SLP003MCXX	P003	SIDE RAIL	2
SLP004MCXXXX.XX12	P004	SPANNER BAR	8*
SLH107XXXX	H107	CAP SCREW, 1/4"-20UNC x 3/4" LONG	20
SLP005MCXXXX	P005	DRIVE SECTION SIDE PANEL	2
SLP208MCXX	P208	CAP SCREW, 5/16"-18UNC x 1" LONG	12
SLH200XXXX	H200	FLAT WASHER, 5/16"	4
SLP205MCXX.XX	H205	LEG SET CONNECTING TUBE WELDMENT	16
SLP006MCXXX	P006	DRIVE MOUNTING TRAY	1*
SLH242XXXX	H242	HEX HD CAP SCREW, 5/16"-18UNC x 1" LONG	4
SLP007MCXXXX	P007	LEG CONNECTING TUBE WELDMENT	2*
SLP008MCXXXX.XX	P008	LEG SET CONNECTING TUBE WELDMENT	1
SLH326XXXX	H326	CAP SCREW, 3/8"-16UNC x 2" LONG	6
SLP011MCXXXX	P011	NOSE BAR	2*
SLP004MCXXXX.XX13	P004	DRIVE SECTION SPANNER BAR	2*
SLP110MC41XX.XX	P110	SPACER SLEEVE, 3/4" ID x 7/8" OD	2
SLP101MCXX	P101	IDLER ROLLER, 9"	AR*
SLM048XX42	M048	TEFLON FLAT WASHER, 3/4" SHAFT	4
SLP009MCXX	O009	BELT SUPPORT	AR*
SLP010MCXXXX.XX04	P010	SPROCKET SHAFT	1*
	X001	BELT SPROCKET	AR*
	X002	BELT SPROCKET RETAINING RING	2
SLP013MCXX	P013	CHAIN GUARD (return belt drive)	1
SLD000	D001	ELECTRIC DRIVE MOTOR, TENV	1
SLD000	D002	GEAR BOX #HMQ 626	1
SLP066MCXXXX.XX05	P066	GEARBOX OUTPUT SHAFT	1
SLH341XXXX	H341	HEX HD CAP SCREW, 7/16"-14UNC x 1-1/2" LONG	4
SLH302XXXX	H302	LOCK WASHER, 3/8"	4
SLB001	B001	2-BOLT FLANGE BEARING #206	2
SLH444XXXX	H444	HEX HD CAP SCREW, 7/16"-14UNC x 1-1/2" LOG	4
SLH400XXXX	H400	FLAT WASHER, 7/16"	4
SLH405XXXX	H405	NYLOC HEX NUT, 7/16"-14UNC	4
SLM002	M002	DRIVE SHAFT SPROCKET, 12 TOOTH	1
SLM002	M002	MOTOR SHAFT SPROCKET, 12 TOOTH	1
SLM001	M001	#50 ROLLER CHAIN WITH MASTER LINK AND HALF LINK	1
SLM010	M010	SHAFT KEY, 1/4" x 1/2" x 1" LONG	2
SLP070MCXX	P070	ADJUSTABLE FOOTPAD WELDMENT	4
SLH604XXXX	H604	HEX NUT, 3/4"-10UNC	4





BILL OF MATERIAL  
**INCLINE/DECLINE CONVEYOR**

PART NUMBER	ITEM	DESCRIPTION	QTY
SLP001MCXX	P001	SIDE PANEL	6
SLP002MCXXXX.XX	P002	LEG WELDMENT (square tubing)	6
SLH241XXXX	H241	HEX HD CAP SCREW, 5/16-18UNC x 3/14" LONG	12
SLP074MCXX	P074	OVER BELT SIDE RAIL	6
SLP004MCXXXX.XX12	P004	SPANNER BAR	15*
SLH107XXXX	H107	CAP SCREW, 1/4"-20UNC x 3/4" long	30
SLP007MCXXXX	P007	LEG CONNECTING TUBE WELDMENT	2*
SLP061MCXX	P061	LEG CONNECTING CHANNEL	1*
SLH340XXXX	H340	HEX HD CAP SCREW, 3/8"-16UNC x 1/2" LONG	2
SLP008MCXX.XX	P008	LEG SET CONNECTING TUBE WELDMENT	2
SLH326XXXX	H326	CAP SCREW, 3/8"-16UNC x 2" LONG	6
SLH327XXXX	H327	CAP SCREW, 3/8"-16UNC x 2-1/4" long	2
SLH305XXXX	H305	NYLOC HEX NUT, 3/8"-16UNC	2
SLP020MCXX	P020	INCLINED LOWER SIDE PANEL, 45°	2
SLP021MCXX	P021	INCLINED UPPER SIDE PANEL, 45°	2
SLP022MCXX	P022	INCLINED LOWER SIDE RAIL, 45° (1LH, 1RH)	2
SLP024MCXX	P024	INCLINED UPPER SIDE SUPPORT, 45°	AR*
SLP025MCXX	PO25	INCLINED UPPER SIDE RAIL, 45° (1LH, 1RH)	2
SLP016MCXX	P016	CONNECTING PLATE	8
SLH208XXXX	H208	CAP SCREW, 5/16"-18UNC x 1" LONG	32
SLH205XXXX	H205	NYLOC HEX NUT, 5/16-18UNC	36
SLP072MCXXXX	P072	4" PD NOSE BAR	1*
SLP009MCXX	P009	BELT SUPPORT	AR*
SLP010MCXXXX.XX04	P010	SPROCKET SHAFT	1*
	X001	BELT SPROCKET	AR*
	X002	BELT SPROCKET RETAINING RING	2
SLD000	D001	ELECTRIC DRIVE MOTOR, TENC	1
SLD000	D002	GEARBOX #HMQ 626	1
SLP076MCXX	P076	TORQUE ARM	1
SLP077MCXX	P077	TORQUE ARM LEG MOUNTING WELDMENT	1
SLH546XXXX	H546	HEX HD CAP SCREW, 1/2"-13UNC x 2" LONG	2
SLH500XXXX	H500	FLAT WASHER 1/2"	2
SLH505XXXX	H505	NYLOC HEX NUT, 1/2"-13UNC	2
SLH343XXXX	H343	HEX NUT CAMP SCREW, 3/8"-16UNC x 1-1/4" LONG	2
SLH300XXXX	H300	FLAT WASHER, 3/8"	2
SLB010	B010	TAPPED BASE POLLOW BLOCK BEARING #207	2
SLP068MCXX	P068	BEARING MOUNTING ANGLE (1LH, 1 RH)	2
SLH541XXXX	H541	HEX HD CAP SCREW, 1/2"-13UNC x 3/4" LONG	4
SLH502XXXX	H502	LOCK WASHER, 1/2"	4
SLH242XXXX	H242	HEX HD CAP SCREW, 5/16"-18 x 1" LONG	4
SLH200XXXX	H200	FLAT WASHER, 5/16"	4
SLP070MCXX	P070	ADJUSTABLE FOOTPAD WELDMENT	6
SLH604XXXX	H604	HEX NUT, 3/4"-10UNC	6





**ENDLESS POSSIBILITIES**

With SNAP LOCK Modular Conveyor Systems the possibilities are up to you.





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P 417 881 8200 • TF 800 538 2830 • F 417 887 5944

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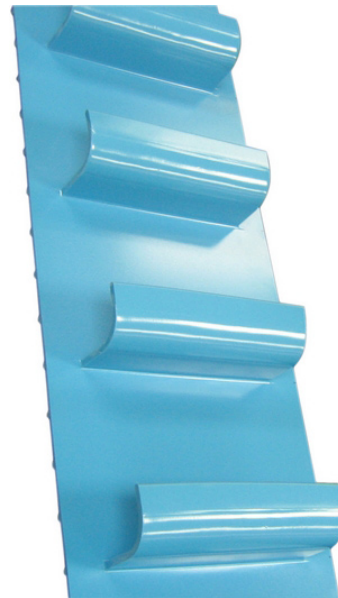
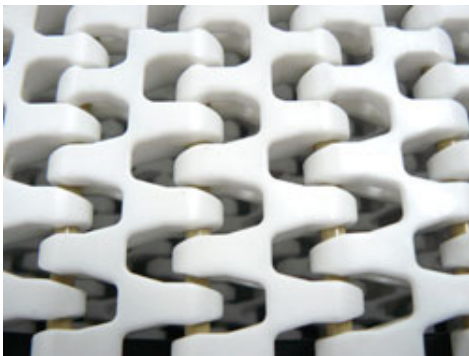
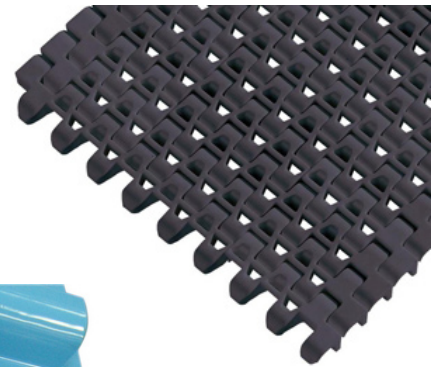
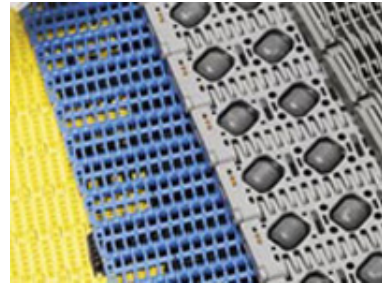
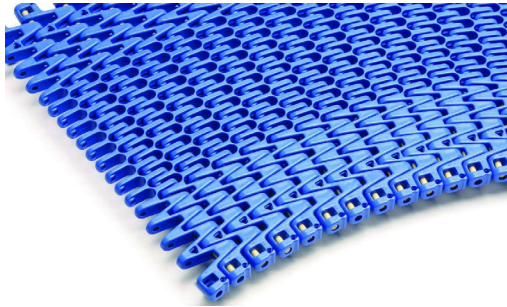
[conveyor@snaplockinc.com](mailto:conveyor@snaplockinc.com)



## BELTING

Snap Lock Conveyor are designed to work with most any conveyor belt and chain. This allows us to satisfy most any conveying application.

- Belt Types
- Modular Plastic
- Thermoplastic
- Wire
- Flat wire
- Nitrile
- PVC
- Urethane



## **IMPORTANT:** READ ALL INSTRUCTIONS CAREFULLY BEFORE ASSEMBLING

### INSTRUCTIONS TO MODIFYING EXISTING RADIUS CONVEYORS

**SNAP LOCK MODULAR RADIUS CONVEYORS ARE DESIGNED TO ALLOW MODIFICATION IN ORDER TO ACCOMMODATE DIFFERENT CONVEYOR SYSTEMS.** The side panels are equipped with a pattern of holes allowing components to be bolted after panels have been modified and “V” notches indicating shear points. The standard curve can be modified to create and “S” curves 180° curves and others. The remaining conveyor can be reused on other SNAP LOCK systems.

#### BEFORE YOU BEGIN

1. Locate Tools Required: A ratchet with 7/16-inch, 1/2-inch and 9/16-inch sockets, wrenches to match.
2. Use lubricant on all threads before assembly.
3. All kits are furnished with hex head cap screws as standard.
4. Optional hardware includes socket head or button head.
5. CAUTION: Some material edges may be sharp.

Step 1. Remove belting, belt supports, and drive system if necessary.

Step 2. Locate “V” notch on the side panels. Cut each side panel and deburr.

Step 3. Add new straight or radius conveyor by using the connecting plate kit (SLK012MC).

Step 4. Cut existing belt supports as needed to fit new assembly. Make certain that all cuts are straight and square.

Step 5. A leg set connecting member may not be necessary in the new assembly.

Step 6. Install the belting and adjust to the new length. NOTE: Belting is to be installed in accordance with belting manufacturer's recommendations.

## INSTRUCTIONS TO SHORTEN EXISTING CONVEYORS

**SNAP LOCK MODULAR CONVEYOR SYSTEMS ARE DESIGNED TO PERMIT CUTTING DOWN TO ACCOMMODATE DIFFERENT LENGTHS OF CONVEYORS.** The side panels are equipped with a repeating pattern of holes and slots allowing components to be bolted on. The standard side panel may be cut down to 6-FT, 4-FT, or 2-FT lengths. The side panels can be reused on other SNAP LOCK conveyors.

### BEFORE YOU BEGIN

1. Locate tools required: A ratchet with 7/16-inch, 1/2-inch, and 9/16-inch sockets wrenches to match and a set of allen wrenches.
2. Use lubricant on all threads before assembly.
3. All kits are furnished with cap screws and socket heads as standard, except where hex heads are specifically called for.
4. Optional hardware includes all socket heads or all hex heads.
5. CAUTION: Some material edges may be sharp.

Step 1. Remove belting, belt supports, side rails, leg sets and leg set connecting member, and drive system if necessary.

Step 2. Determine the desired length and locate the slot on the side panels that is nearest to that new length. Disassemble the side panels and spanner bars in the section to be cut down. Cut each side panel, deburr, and reassemble.

NOTE: The cut must be made exactly in the middle of a slot to ensure all components will reattach properly.

Step 3. Measure and cut the belt supports and side rails to the new dimension. Make certain that all cuts are straight and square. Deburr the cut ends.

Step 4. Preserve the leg set connecting member threaded end for reattachment to the leg connecting members. Weld the shortened member back together and dress the weld.

Step 5. Bolt the leg sets to the new shorter conveyor and the leg set connecting member. Install the belt supports, side rails, and the drive system, if it had been removed.

Step 6. Install the belting and adjust to the new length. NOTE: Belting is to be installed in accordance with belting manufacturer's recommendations.

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## GENERAL TERMS AND CONDITIONS OF SALE

Snap Lock, Incorporated warrants to the original purchaser of this Snap Lock Modular Conveyor System to be free from defects in materials and workmanship for the period and terms specified below. To establish warranty rights, the purchaser must retain the bill of sale or otherwise provide proof of original ownership.

1. **GENERAL TERMS:** This sale is limited to the terms and conditions as specified herein or on any other SNAP LOCK documents previously transmitted. These terms and conditions represent the entire agreement and SNAP LOCK is not bound by any other conditions set forth by the purchaser or other third parties. Quoted prices and sales prices do not include any sales, use, excise or other taxes or customs duties, which if applicable, are the sole responsibility of the purchaser and to be paid by same. All payments shall be made in US funds. Delivery is F.O.B. SNAP LOCK Incorporated, Battlefield, MO, unless specified otherwise on the quotation. The purchaser shall handle any potential freight damage and claims. Final payment is due and payable upon shipment, net 15 days even in the event of freight loss or damage, unless prior arrangements have been accepted by SNAP LOCK, in writing. Past due payments shall bear interest at 1.5% per month from the due date or the maximum permitted by law if less. Should collection become necessary, Purchaser agrees to pay any and all fees, including but not limited to legal fees and collection services.

2. **ACCEPTANCE:** Purchaser agrees to accept these terms and conditions upon placement of their purchase order. No other communiqué shall invalidate said acceptance.

3. **WARRANTY:** SNAP LOCK warrants the products of its' own manufacture and all buy out components carry the original manufacturer's warranty. Warranty Period begins at date of shipment:

COMPONENT	PERIOD
Frame	Limited Lifetime
Nose Bars*	6 Months (Limited)
Idler/Return Rollers	6 Months (Limited)
Belt Supports	6 Months (Limited)
Belting	Manufacturers Warranty
Gearbox	Manufacturers Warranty
Drive Motor	Manufacturers Warranty

\* Some highly abrasive belts may void Nose Bar warranty.

At our own discretion, SNAP LOCK will repair or replace any components found to be defective. This excludes any component or system that fails under abnormal wear and tear, abuse, or misapplication of original intent. SNAP LOCK supplies conveyor systems that can be assembled by others and the specified application may differ from the actual use. Follow all SNAP LOCK instructions carefully during assembly to insure proper operation. Some conveyors may require anchoring to floor to prevent walking or overturning. Purchaser shall not return any defective components without prior written approval of SNAP LOCK. Contact SNAP LOCK at 1-800-538-2830, to obtain information regarding warranty claims.

This warranty supercedes all other warranties either express or implied, including any implied warranties of SNAP LOCK representatives or SNAP LOCK authorized distributors, unless otherwise set forth in writing and approved by a SNAP LOCK officer with authority to amend said warranty. This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

4. **LIMITATION OF LIABILITY:** Purchasers sole and exclusive remedy for liability regarding SNAP LOCK products furnished pursuant to this quota-

tion or subsequent order and any other performance by SNAP LOCK under or pursuant to this quotation and subsequent sales order, are limited to the remedy of repair or replacement as determined by SNAP LOCK. SNAP LOCK will under no circumstance be liable to purchaser, other persons, or third parties, for any other damages, including, but not limited to, any special, direct, indirect, incidental, consequential, or punitive damages, or loss of use, product, revenue or profit, whether arising out of breach of warranty, breach of contract, strict liability, negligence, or otherwise, even if SNAP LOCK has been advised of the possibility of such damages or losses. Some states do not allow the exclusive or limitation of special, indirect, incidental or consequential damages, so the above limitation or exclusion may not apply to all.

5. **RETURN OF GOODS:** SNAP LOCK modular conveyors are constructed of standard components, custom components and buy out components. Some components are considered to have salvage value, items ordered incorrectly may be returnable at the sole discretion of SNAP LOCK. Components that are not deemed to have salvage value will not be accepted back for credit. One must obtain a Return Goods Authorization form from SNAP LOCK prior to purchaser returning any such goods. Any return must be made within 90 days of shipment and are subject to a 20% restocking fee. All return freight costs are borne by the purchaser and freight must be sent pre-paid to be accepted at SNAP LOCK factory.

6. **DELIVERY:** SNAP LOCK is not held responsible for delay in delivery, directly or indirectly resulting from, or contributing to, by any circumstance beyond its' control, including, but not limited to, acts of God, acts of war, national emergency, fire, flood, explosion, inability to obtain required materials, any labor dispute (including freight carriers), or import-export delays, dollar exchange or other governmental regulations or restrictions. Purchaser may not cancel orders for reasons not the fault of SNAP LOCK. Other than specified by SNAP LOCK written guarantees, SNAP LOCK is not liable for damages including, but not limited to, any special, direct, indirect, incidental, consequential, or punitive damages, or loss of use, revenue or profit, resulting from delays regardless of the reasons.

7. **NOTICE:** Notwithstanding section 3 above, SNAP LOCK is not responsible for property damage and/or personal injury, directly or indirectly, or damages and/or failures caused by improper conveyor design, application, installation, operation, abuse and/or misuse of its products and/or systems.

8. **CAUTION:** Some belting material is flammable and should not be exposed to temperatures above its' rating or to open flame. Consult the belting manufacturer for applicable warnings and warranties.

9. **MISCELLANEOUS:** Orders are subject to credit approval at time of placement. Only authorized SNAP LOCK officers are permitted to vary the terms and conditions hereof or to make any agreement or representation not defined herein. No SNAP LOCK distributor carries such authority to alter or amend this agreement. These terms and conditions shall be interpreted and enforced in accordance with Missouri State law. The parties agree that any and all disputes arising from this agreement will be submitted to a court of competent jurisdiction in the State of Missouri, and the parties stipulate that such courts shall have personal jurisdiction over them and waive any objections to such personal jurisdiction. ‡

