

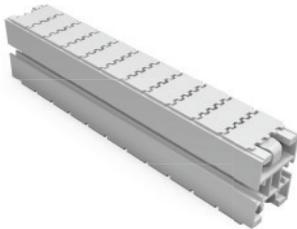
# ENGINEERING MANUAL

Complex Configurations  
& Tight Spaces

High Speed Performance  
- Up to 76 mpm

Reduces  
Conveyor Footprint

Ideal for Curves,  
Inclines & Declines



# FlexMove®

High Performance, Aluminum, Flexible Chain Conveyors

**DORNER®** 

**TRANSFERS**  
FOR SMOOTH IN-LINE  
TRANSFER OF PRODUCT

**WHEEL CORNERS**  
ELIMINATE CORNER  
FRICTION ALLOWING  
MULTIPLE CORNER  
CONFIGURATIONS

**VERTICAL BENDS**  
FOR SMOOTH ELEVATION  
CHANGES AND EFFICIENT  
USE OF VERTICAL SPACE



**T-SLOT FRAMEWORK**  
FOR EASE OF MOUNTING  
ACCESSORIES

**SUPPORT POST**  
PROVIDE ADJUSTABLE  
HEIGHT WHILE  
OPTIMIZING THE USE  
OF FLOOR SPACE

**MODULAR FRAMING**  
FOR FUTURE ADD-ON  
CAPABILITY AND  
PRODUCTION LINE CHANGES

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*The right is reserved to make design modifications*

#### **Patents**

*Essential parts of the FlexMove product range are protected by patents and design regulations.*

*Drawings are made to European standards.*

**JULY 2019**

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## Basic System Selection

We provide a wide selection of chain sizes to cover a wide variety of product sizes and shapes. In order to select the right chain size to use in your application, consider the following selection criteria:

- **Product Dimensions**

A product can be two or three times wider than the conveyor chain as long as the center of gravity of the product falls within the chain width. Extra supporting guide rails are required and testing is recommended.

- **Product Weight**

Product weight is important in chain selection as each chain has its maximum traction force. Traction force calculation is required when there are several heavy products to be conveyed, and it will increase further if the products are accumulated on the conveyor.

- **Conveyor Functions Available**

Most of the conveyor functions are available in all conveyor series, however there are differences with regards to the chain types, drive unit and idler unit variants. Selection of drive type is important as different drives have different traction forces.

- **Technical Calculation**

It is important to calculate total load on conveyor based on product weight, distance between products, accumulation and length of the system. The frequency of start /stop, chain tension and service factor are important. If the calculated capacity is higher than the selected drive and chain series, the conveyor should be shortened or select a system with higher capacity.

- **Small Footprint**

Straightforward layout and compact design maximizes valuable floor space while minimizing noise, maintenance and footprint.

- **Intermediate Drive Unit**

An intermediate drive is best utilized when space restriction prohibits the placement of the end drive unit. It requires idler end units at each end. The gearmotor can be coupled directly or suspended underneath the drive unit at both right and left orientation. Adjustable torque limiter can be added to protect the conveyor system. The traction force is lower than end drive units due to less engagement between drive sprocket and chain.

- **Catenary Drive Unit**

Catenary Drives are designed to accommodate top-running chains and are commonly used in application of single loop or alpine conveyor system. Additional idler end unit is not required. Only suspended version is available.

## Basic System Selection *continued*

- **Combined Drive and Idler Unit**

A combined drive and idler consist of one end drive and one idler end unit mounted in a single assembly with a transfer bridge for smooth transfer of products. It has a smaller footprint compared to side transfer design. Available in both direct and suspended drive versions, the gear motor can be coupled at both left and right orientation. Adjustable torque limiter can be added to protect the conveyor system.

- **Wheel Drive Unit**

Wheel drives are used for applications using single loop or alpine conveyor system without return chain. Both direct and suspended drive versions are available with the gearmotor mounted underneath. The traction force is lower than other end drive units as the gear wheel engages the side of the chain.

- **Weight Take-Up**

To eliminate catenary sag, FlexMove conveyors come with a weighted take-up module.

The weighted take-up module automatically adjusts for chain stretch. The module provides smoother and quieter chain running and can also be positioned in various locations along the conveyor.



## Idler End Unit

The function of the idler end is to change the direction of the moving chain. Available in both standard idler end unit (180°) and idler bend unit (90°). It comes with 2pc connecting strips at the connection end.

- **Idler End Unit (standard 180°)**

The moving chain is transferred 180° from the bottom of the conveyor beam to the top through a flange guide with minimal friction.

- **Idler Bend Unit (90°)**

The idler bend unit converts and changes the chain direction in 90° perpendicular to incoming chain direction.

## Bends

Bends are used to change the direction of chain movement in conveyors. There are 3 types of bends available:

- **Wheel bends**

Designed with top and bottom wheels that rotate freely with the chain and are supported by a dual sealed ball bearing, providing the lowest friction, minimum bend force and smallest turning radius compared to other types of bends. Besides standard 30°, 45°, 60°, 90° and 180° configurations, special angles are also available upon request. Select a horizontal wheel bend whenever is possible.

- **Horizontal Bends**

An alternative to wheel bends, horizontal bends are useful in conditions requiring large space, long products with large turning radius and twin – track bend applications. It has higher friction compared to wheel bends. Larger radius is recommended for lower friction and less stress on slide rail.

- **Vertical Bends**

A vertical bend provides vertical change of the conveyors moving direction. It can be used either as a convex or concave bend. Vertical bends increase the chain tension and cause higher stress on the slide rail. Avoid using more than four 90° vertical bends in one conveyor.

## Slide Rail

A slide rail provides low friction and wear resistant track for the chain to slide on. It is mounted to a conveyor frame using screws or rivets. Various types of slide rails are available to meet different requirements like normal operation, high speed, high load, conductive and accumulation applications.

## Conveyor Frames

Conveyor frames are made of anodized Aluminum extrusion that comes in standard length of 3 meter section. T-slot flexibly allow drives, idlers, bends, guide rail bracket, leg support and other accessories to be connected using connecting strips or bolts and nuts. Aluminum extrusion has great advantages such as high strength and lightweight. Two connecting strips are required for joining.

## Guide Rail Assembly System

Guide rail components are used to guide and contain products throughout the conveyor system and prevent them from falling off the conveyor. We provide a comprehensive range of guide rails, covers and brackets either fixed or adjustable to cover many specialized product sizes and shapes.

## Structural System

Our structural support system consists of support beams, support brackets, feet and end caps that are interconnected to form robust support structure for every conveying need.

## Conveyor Accessories

We offer a wide selection of conveyor accessories from special bolt & nuts, brackets, connecting strips, rivets, rollers, T-slot cover and washers for inter-connection between modules and components.



**ELEVATING & LOWERING SYSTEMS**



**Alpine Conveyors**

The Alpine Conveyor is a compact spiral configuration commonly used as an accumulation or buffer zone in between machines or as a process step for cooling or drying. It is also used for line balancing and for repair and maintenance purposes.

It can be configured as an elevating/lowering system with a single or double serpentine configuration and used as an in-line accumulator with entry and exit at different levels, or an in-line or off-line accumulator with entry and exit at the same level.

The Alpine conveyor maximizes vertical space and ensures the efficient utilization of machines with different speeds and provides storage for pucks.



**Wedge Conveyors**

Our wedge conveyors are used to take products from production floor level to a higher level or vice versa. Products are wedged between opposing conveyors lined vertically or horizontally and are moved swiftly but securely.

Wedge Conveyors are easy to construct, lightweight and have compact footprints. Its rapid transfer rate makes it ideal for use in continuous, high capacity operations such as packaging lines. Built with Aluminum and stainless steel, it meets the stringent hygiene standard required for medical and cosmetic packaging.

Wedge Conveyors can be configured differently for a variety of uses, such as a transition between different travel orientations, de-pucking operations, inverted rinse operations and even for creating a passage way on the production floor.

Wedge Conveyors are not suitable for wet products, heavy products or products that cannot withstand side pressure.



C-Wedge



N-Wedge



S-Wedge

**PALLET SYSTEMS**

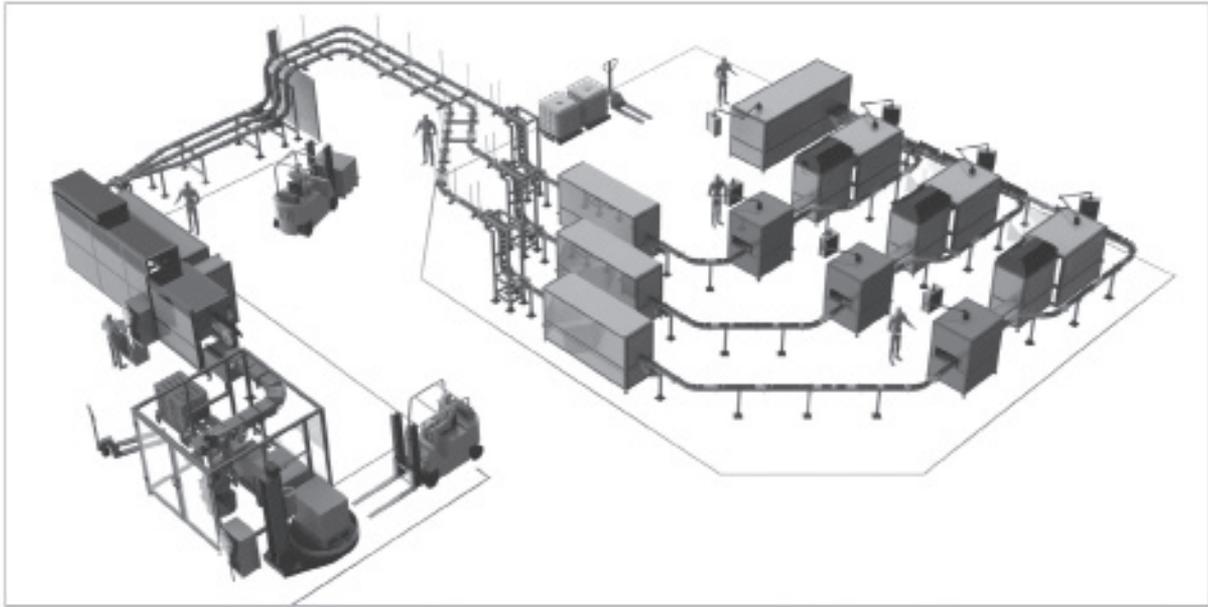
Pallet systems are for accurate positioning and routing. They are ideal for assembly processes or inspection. The components are sold as kits to allow for easy design changes and layout flexibility. Pallets also sold as kits to allow fixture attachments or as completed assemblies.



## PRODUCTION LINES

The ideal production conveyor system should have a simple set-up and offer the flexibility to adapt to the changes in product types and sizes, packaging formats, processes, market demands and trends.

Our system comes with pre-engineered modules and components that offer customers the versatility to customize their line according to their needs and yet provide the flexibility for future changes and expansion. Ease of assembly and integration of our systems eliminates costly engineering intervention, equipment disposal and lower cost of ownership.



## TWIN-TRACK SYSTEMS

Employed to convey palletized products from one process or assembly station to another. Based on a modular system, these solutions offer customers the ease of plug & play with flexible configuration options.

Production capacity is maximized as a result of minimal product routing. Twin-Track Systems are well suited for manual or automatic assembly and test systems in the automotive and electrical/electronic industries.



**TWIST CONVEYORS**



- Positively control the product during rotation
- Provides product rotation for access to multiple sides of packages
- No change over –can handle multiple package sizes at the same time
- No product guiding required
- Products do not need to be gapped or spaced
- Available Widths: 65, 85, 105 and 180 mm (2.5, 3, 4 and 7 in)
- Requires 2 independent FlexMove conveyors
- Helical twists up to 90 degrees per conveyor pair
- 90 degree twist is approximately 3 m (10 ft) long
- Speeds Up to 55 mpm (180 fpm)

**HELIX CONVEYORS**



- Unique, flexible design provides greater flexibility in layout
  - Infeed and outfeed may be positioned at any height or angle
  - Custom infeed and outfeed lengths allow the conveyor to extend beyond spiral, reducing the number of conveyors required
- Small foot print maximizes valuable floor space
- Patented side roller chain reduces corner friction allowing for faster speeds and smooth product handling
- Applications include accumulation, buffering, cooling product between processes or machines, and more
- Available in 85, 180 and 260 mm

**HELICAL CURVE CONVEYORS**



- Reduces conveyor footprint saving valuable floor space
- Allows incline or decline through corners and straights
- Patented side roller chain reduces corner friction
- Provides capability for product accumulation in the corners
- Simple, low cost spiral for small parts handling
- Available in 85, 180 and 260 mm

**TOP RUNNING LOOP CONVEYORS**

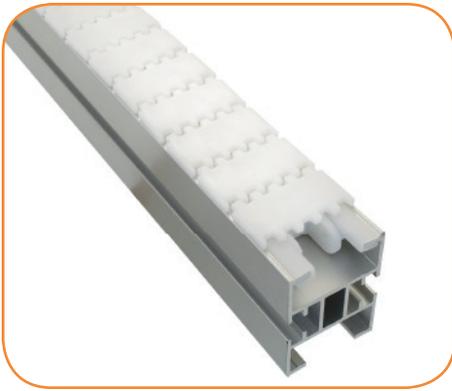


- Top running module create a continuous loop of conveyance
- Used for pallet systems, puck handling, and small manufacturing cells
- Conveyor chain runs on the top side of the frame only
- Available with top running drive module or wheel corner drives

### Purchasing a FlexMove Conveyor

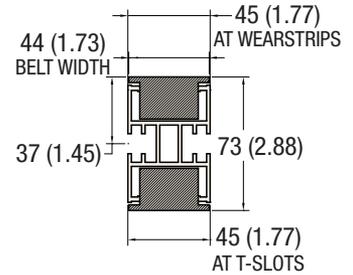
Dorner offers three solutions for purchasing a FlexMove Conveyor.

- The first solution is to order all the necessary parts and components to build your FlexMove Conveyor on site. This will require the proper tools for cutting, bending and installing the conveyor. Consult our installation guide for FlexMove Conveyors for more details.
- The second solution is to have a complete conveyor provided through our FlexMove Solutions. With FlexMove Solutions, you can have the conveyor built in our facility, tested, broken down into shippable sections and shipped to the end site for installation.
- The third solution is to work with Dorner to have your FlexMove Conveyor assembled at the final site. The Conveyor will be purchased similar to option 2, but will be shipped as pre-cut and sized components. The Dorner installation team will then assemble and test the equipment at your location. Contact a Dorner representative for a quote on this service.



### 45 mm (1.7 in)

- Maximum load = 30 kg/m (20 lbs/ft)
- Maximum total load = 136 kg (300 lbs) non-accumulated
- Maximum length = 30 m (98 ft)
- Maximum Speed = 50 mpm (165 fpm)

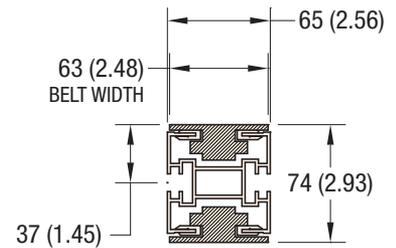


**45 MM WIDTH**



### 65 mm (2.5 in)

- Maximum load = 30 kg/m (20 lbs/ft)
- Maximum total load = 136 kg (300 lbs) non-accumulated
- Maximum length = 30 m (98 ft)
- Maximum Speed = 58 mpm (190 fpm)

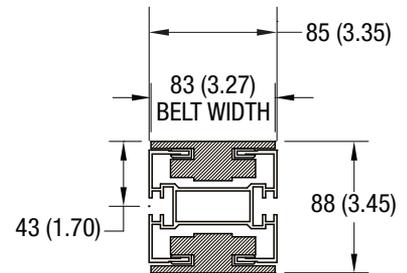


**65 MM WIDTH**



### 85 mm (3.4 in)

- Maximum load = 60 kg/m (40 lbs/ft)
- Maximum total load = 272 kg (600 lbs) non-accumulated
- Maximum length = 30 m (98 ft)
- Maximum Speed = 58 mpm (190 fpm)

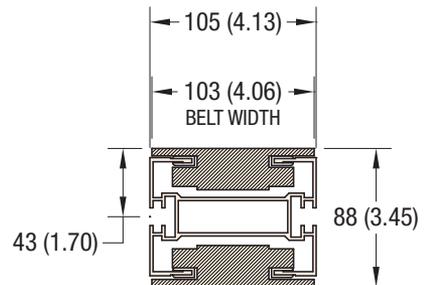


**85 MM WIDTH**



### 105 mm (4.1 in)

- Maximum load = 60 kg/m (40 lbs/ft)
- Maximum total load = 272 kg (600 lbs) non-accumulated
- Maximum length = 30 m (98 ft)
- Maximum Speed = 58 mpm (190 fpm)



**105 MM WIDTH**

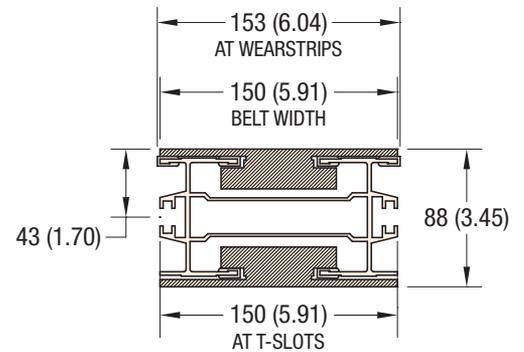
**Note:** Conveyor modules may be made up of several length of conveyor beam. Maximum length piece beam is 3,000 mm (118 in).

**Note:** Dimensions = mm (in)



## 150 mm (5.9 in)

- Maximum load = 60 kg/m (40 lbs/ft)
- Maximum total load = 272 kg (600 lbs) non-accumulated
- Maximum length = 30 m (98 ft)
- Maximum Speed = 58 mpm (190 fpm)

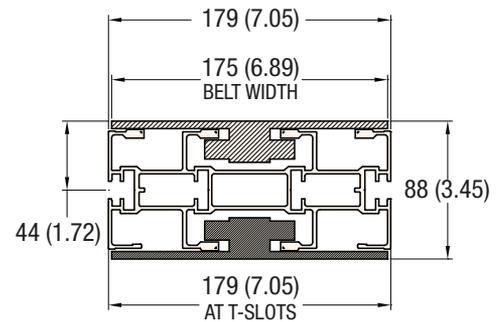


### 150 MM WIDTH



## 180 mm (7.1 in)

- Maximum load = 65 kg/m (44 lbs/ft)
- Maximum total load = 272 kg (600 lbs) non-accumulated
- Maximum length = 30 m (98 ft)
- Maximum Speed = 58 mpm (190 fpm)

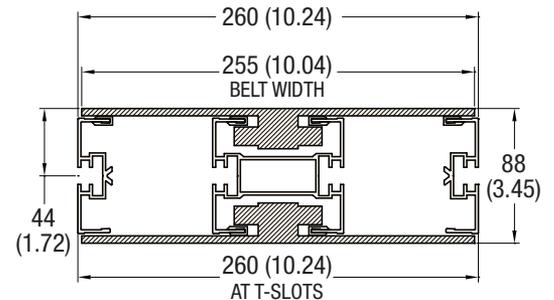


### 180 MM WIDTH



## 260 mm (10.2 in)

- Maximum load = 65 kg/m (44 lbs/ft)
- Maximum total load = 272 kg (600 lbs) non-accumulated
- Maximum length = 30 m (98 ft)
- Maximum Speed = 58 mpm (190 fpm)



### 260 MM WIDTH

**Note:** Conveyor modules may be made up of several length of conveyor beam. Maximum length piece beam is 3,000 mm (118 in).

**Note:** Dimensions = mm (in)

**FK Series** is a compact and neat design for small items and fast transportation. It is also used for twin track application for pallet assembly lines.

**FK Series Characteristic**

**Beam Width:** 45 mm

**Product Width:** Refer to Guide Rail Assembly

**Accessories Needed**

**Slide Rail Required:** FASR-25K OR FASR-25KU

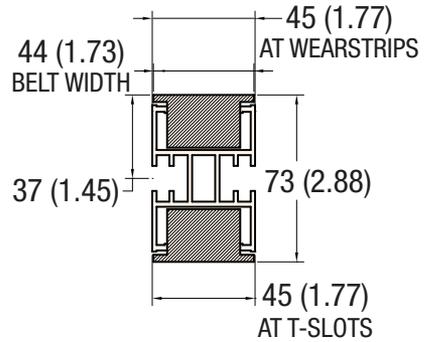
**Slide Rail Color:** White or Natural Color

**Slide Rail Material:** HDPE OR UHMW-PE

**Slide Rail Rivet:** FASLS-M3

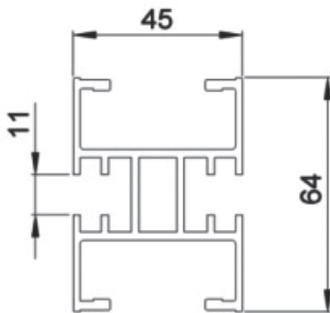
Connecting strip is used to connect two beams.

Connecting Strip: FACS-20x140



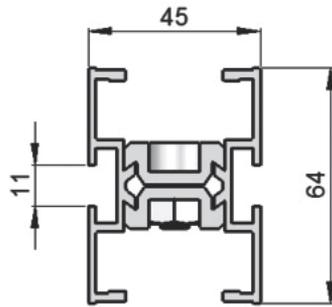
**45 MM WIDTH**

**Conveyor Beam FKCB-3**

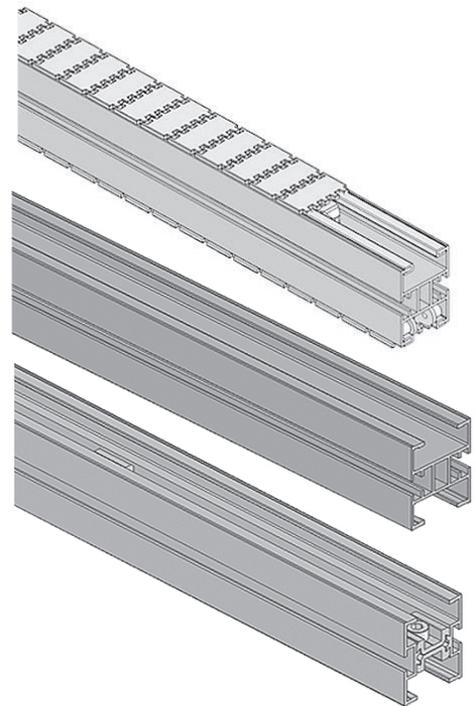


UOM: 3 Meter / Length

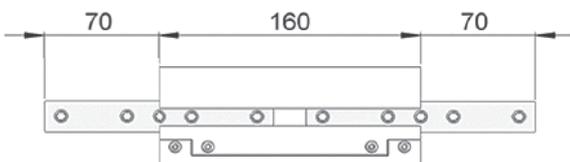
**Conveyor Half Beam FKCB-3H**



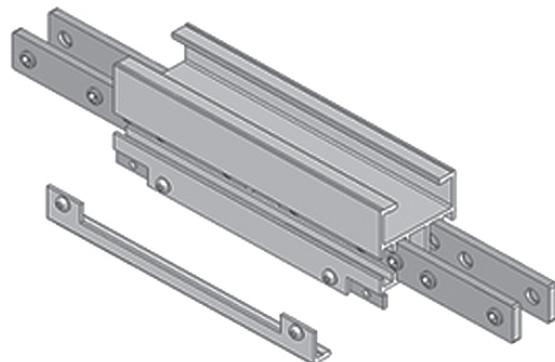
UOM: 3 Meter / Length



**Chain Connecting Module FKCC-160**



UOM: pc



## Chain Common Data

**Packaging:** 5 m per box

**Pitch:** 25.4 mm

**Width:** 44 mm

Tensile Strength at 20° C: 4000N

**Color:** White & Black (Conductive)

### Material:

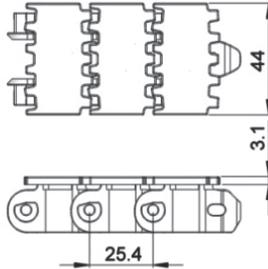
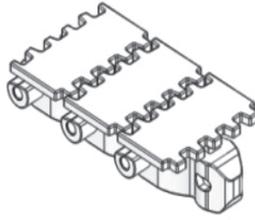
**Chain:** White Acetal / POM

**Pivot:** Polyamide

**Pivot Pin:** Stainless Steel

**Insert (Wedge & Friction):** TPE Grey

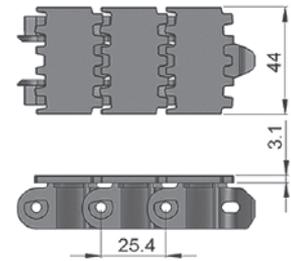
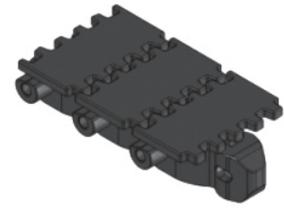
## Standard Plain Chain FKPC-5



**UOM: 5 Meter / box**

Application: Suitable for horizontal and slope < 5° transport of products with accumulation.

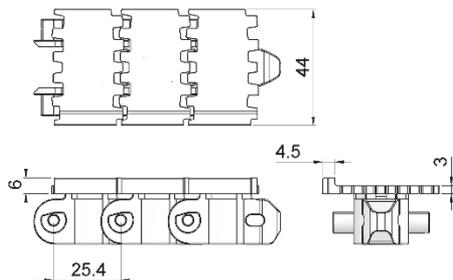
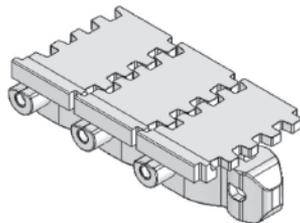
## Conductive Chain FKPC-5CD



**UOM: 5 Meter / box**

Application: Suitable for transport of static sensitive product.

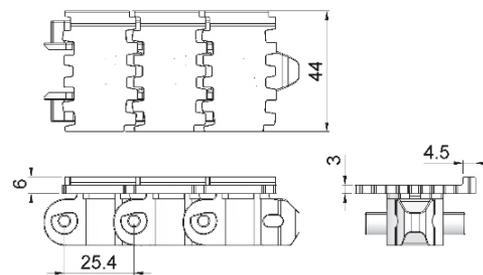
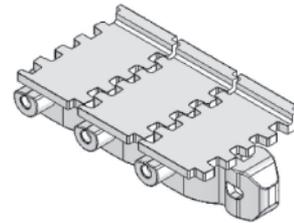
## Wedge Top Chain Right FKWT-5PR



**UOM: 5 Meter / box**

Application: Suitable for PET bottle transport.

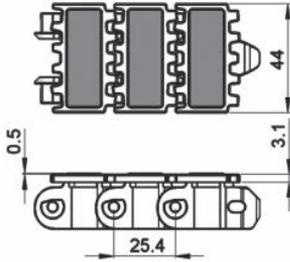
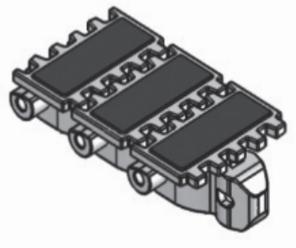
## Wedge Top Chain Left FKWT-5PL



**UOM: 5 Meter / box**

Application: Suitable for PET bottle transport.

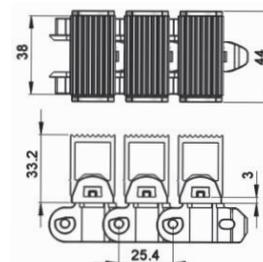
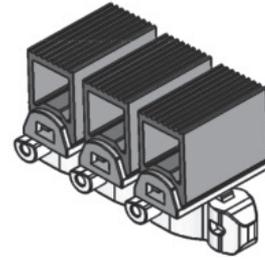
## Friction Top Chain **FKFT-5**



**UOM: 5 Meter / box**

Application: Suitable for transport product in slope  $> 5^\circ$  but  $\leq 30^\circ$  without accumulation.

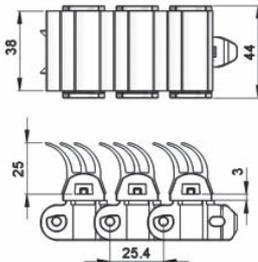
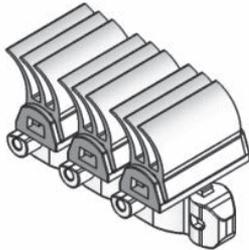
## Wedge Top Chain **FKWT-5C**



**UOM: 5 Meter / box**

Application: Vertical Wedge transportation of products.

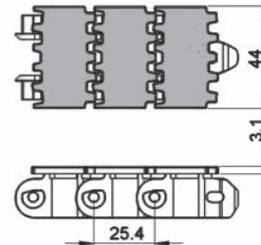
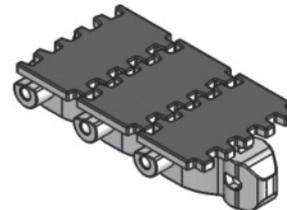
## Wedge Top Chain **FKWT-5D**



**UOM: 5 Meter / box**

Application: Vertical Wedge transportation of products.

## Flocked Chain **FKFK-5**

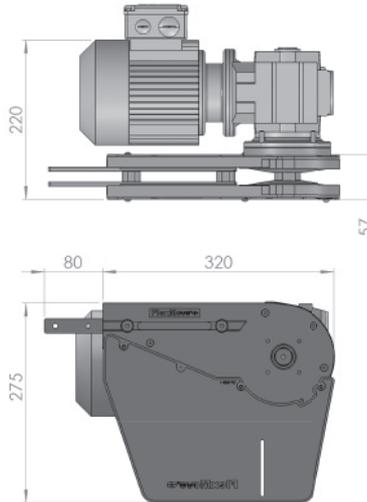
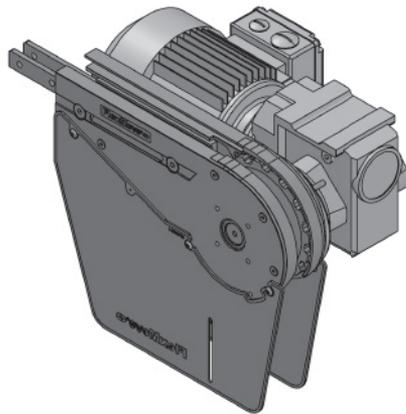


**UOM: 5 Meter / box**

Application: Suitable to transport lightweight, fragile and scratch sensitive product.

## FK Direct End Drive without Motor (LEFT)

FKDD-A45-XDY (See Chart)



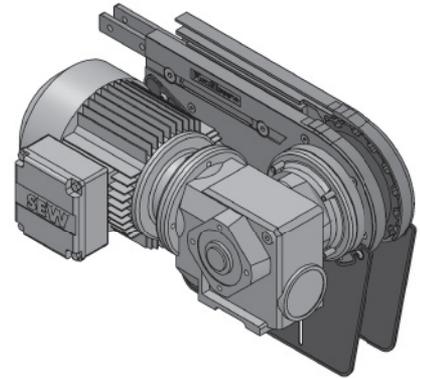
Note: Drive Module is 12 mm wider than conveyor frame.

Part Number		Shaft Selection	Direction	Aux Shaft Selection
FKDD-A45	-	X	D	Y
		0 = 20 mm	L = Left	Blank = No Aux Shaft
		E = 3/4 in*	R = Right	A = 20 mm Aux Shaft
		A = 20 mm Aux Only		

\*3/4 inch shaft option available in North America only.

## FK Direct End Drive without Motor (RIGHT)

FKDD-A45-XDY (See Chart)



### Max Traction Force: 500N

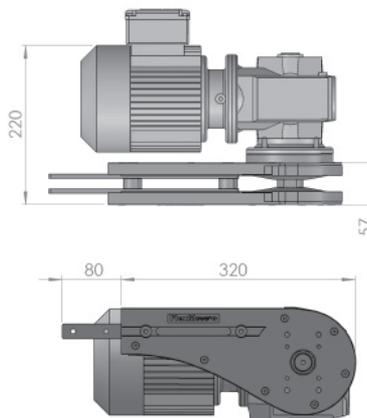
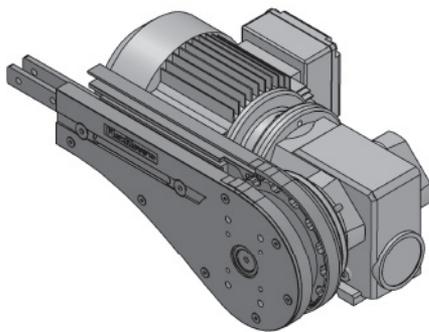
The Direct End Drive Unit is without torque limiter.

### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

## FK Direct End Drive without Motor GP (LEFT)

FKDD-A45GP-XDY (See Chart)



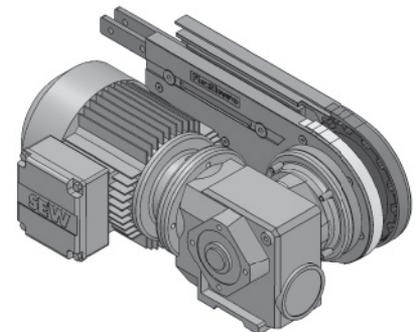
Note: Drive Module is 12 mm wider than conveyor frame.

Part Number		Shaft Selection	Direction	Aux Shaft Selection
FKDD-A45GP	-	X	D	Y
		0 = 20 mm	L = Left	Blank = No Aux Shaft
		E = 3/4 in*	R = Right	A = 20 mm Aux Shaft
		A = 20 mm Aux Only		

\*3/4 inch shaft option available in North America only.

## FK Direct End Drive without Motor GP (RIGHT)

FKDD-A45GP-XDY (See Chart)



### Max Traction Force: 500N

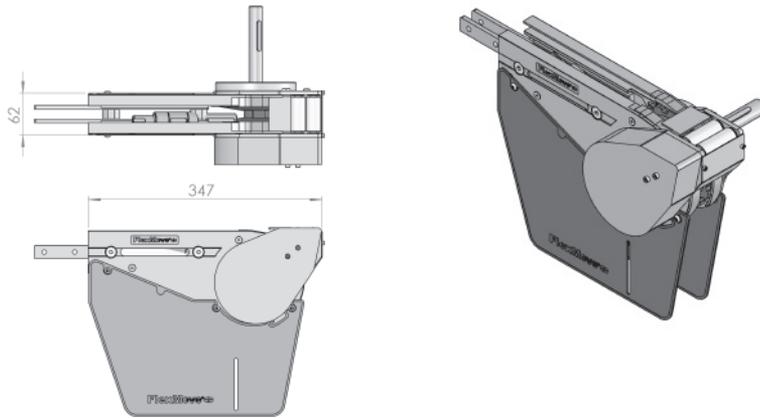
The Direct End Drive Unit GP is without torque limiter.

### UOM: pc

Chain required 2-way: 0.55 meter  
Slide rail required 2-way: 0 meter

## FK Direct Drive Driven Transfer Bridge (LEFT)

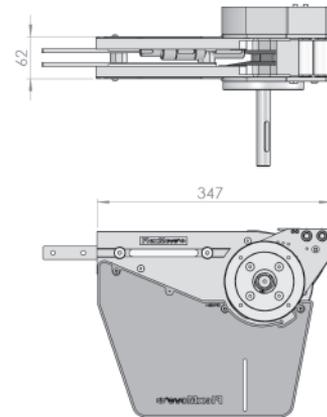
FKDD-A45DB-A-0L



Note: Drive Module is 12 mm wider than conveyor frame.

## FK Direct Drive Driven Transfer Bridge (RIGHT)

FKDD-A45DB-A-0R



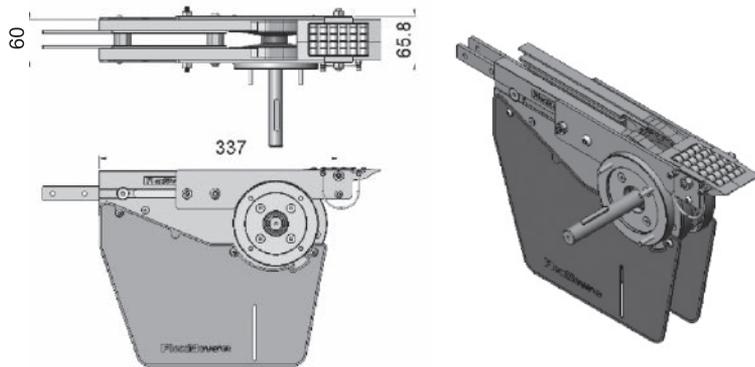
### Max Traction Force: 500N

The Direct End Drive Unit is without torque limiter.

### UOM: pc

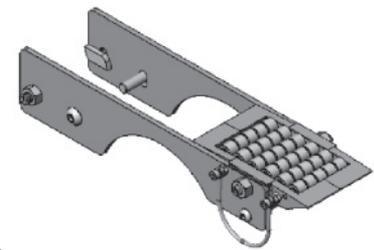
Chain required 2-way: 0.55 meter  
Slide rail required 2-way: 0 meter

## FK Direct Drive Free Roller Transfer Bridge (LEFT/ RIGHT)



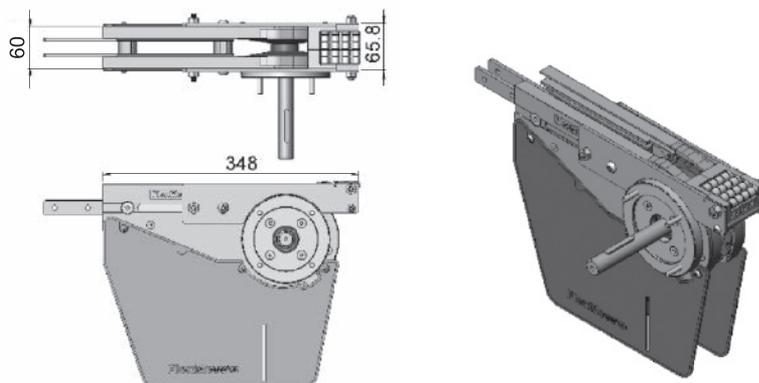
FSTB-A65

Transfer bridge c/w roller for FSIE-A65  
Transfer bridge c/w roller for FSDD-A65-0L  
Transfer bridge c/w roller for FSDD-A65-0R



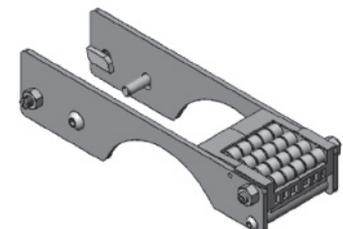
UOM: pc

## FK Direct Drive End Free Roller Bridge (LEFT/ RIGHT)



FSEB-A65

End transfer bridge c/w roller for FSIE-A65  
End transfer bridge c/w roller for FSDD-A65-0L  
End transfer bridge c/w roller for FSDD-A65-0R

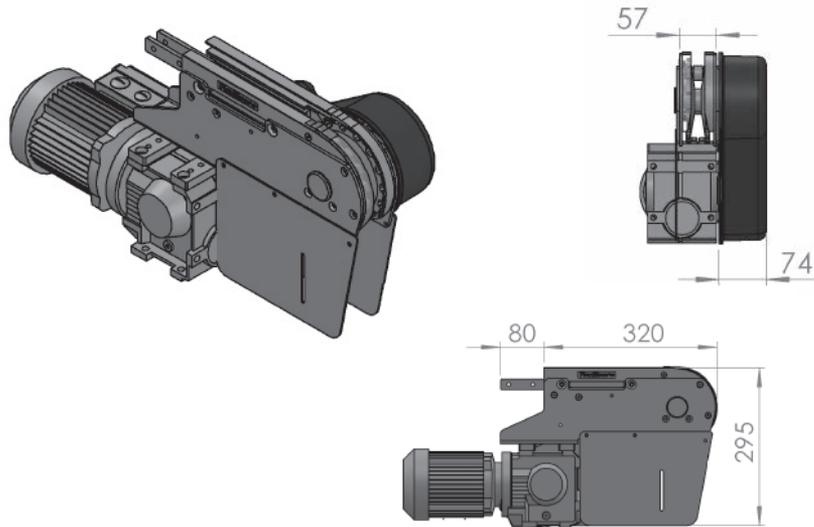


UOM: pc

SEW gearmotors are products of SEW Eurodrive

## FK Suspended End Drive without Motor (LEFT)

FKSD-A45-0L (with Torque Limiter)  
FKSD-A45SPT-0L (without Torque Limiter)

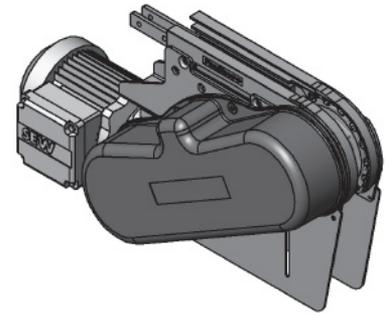


20 mm Shaft only.  
Minimum product length for inline transfer = 100 mm  
Transfer extends past conveyor only 27 mm

Note: Drive Module is 12 mm wider than conveyor frame.

## FK Suspended End Drive without Motor (RIGHT)

FKSD-A45-0R (with Torque Limiter)  
FKSD-A45SPT-0R (without Torque Limiter)



### Max Traction Force: 500N

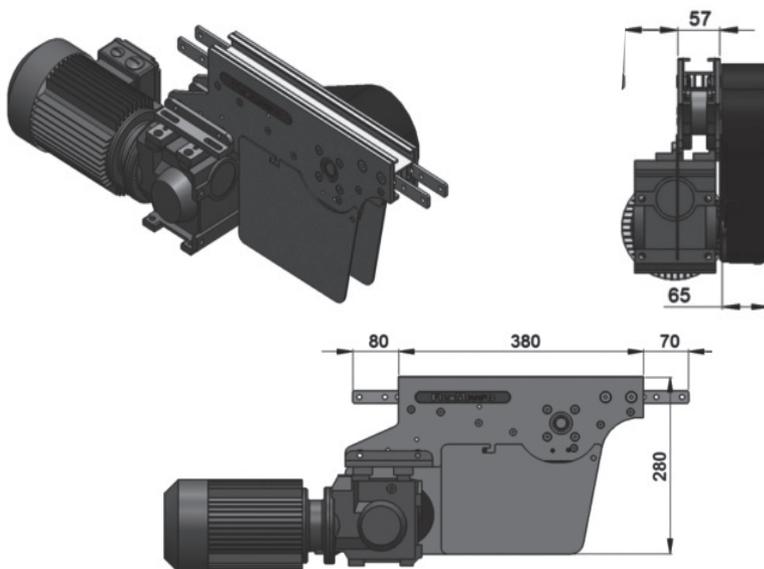
The Suspended End Drive Unit is available with or without torque limiter.

### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

## FK Suspended Intermediate Drive without Motor (LEFT)

FKID-SD-0L1



- Located in middle of conveyor to free up drive end.
- Includes torque limiter protecting chain and motor from overload
- Limits chain pull capacity to 200N

Note: Drive Module is 12 mm wider than conveyor frame.

## FK Suspended Intermediate Drive without Motor (RIGHT)

FKID-SD-0R1



### Max Traction Force: 200N

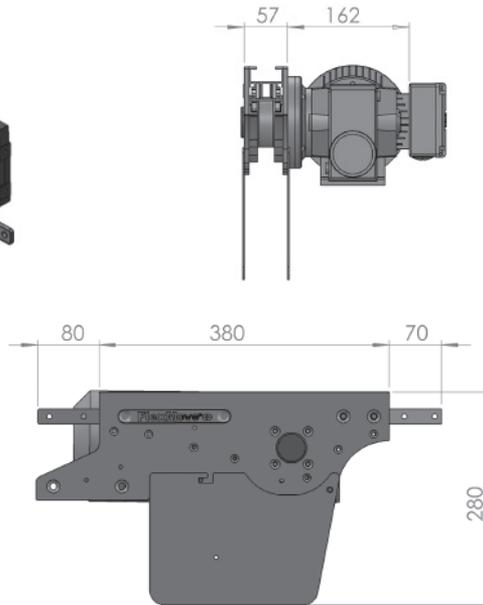
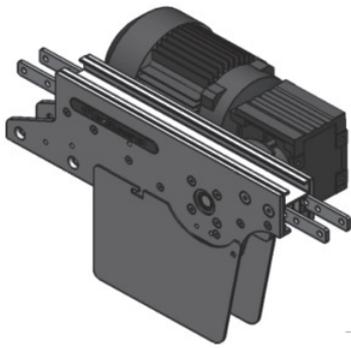
The Suspended Intermediate Drive Unit is with torque limiter.

### UOM: pc

Chain required 2-way: 1.2 meter  
Slide rail required 2-way: 1.1 meter

### FK Direct Intermediate Drive without Motor (LEFT)

FKID-DD-0L1

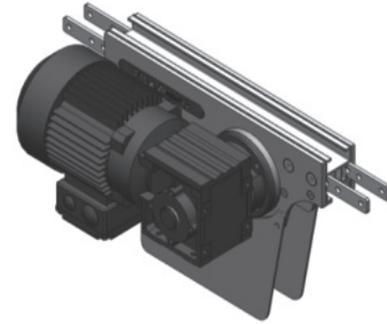


- Located in middle of conveyor to free up drive end.
- Includes torque limiter protecting chain and motor from overload
- Limits chain pull capacity to 200N

Note: Drive Module is 12 mm wider than conveyor frame.

### FK Direct Intermediate Drive without Motor (RIGHT)

FKID-0R1



#### Max Traction Force: 200N

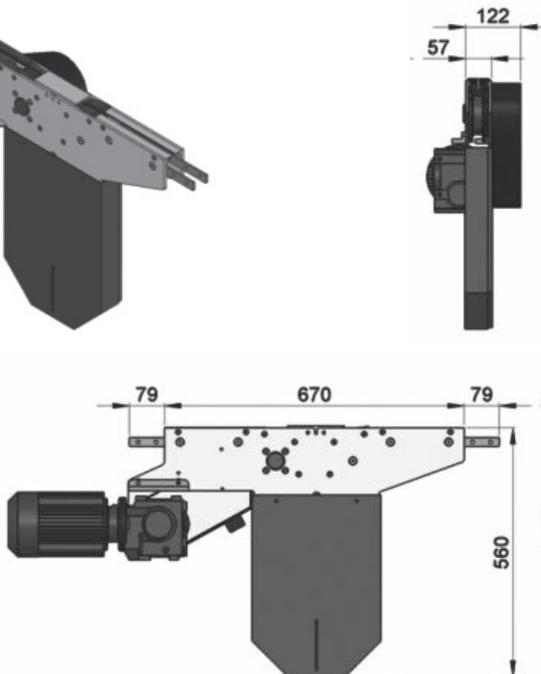
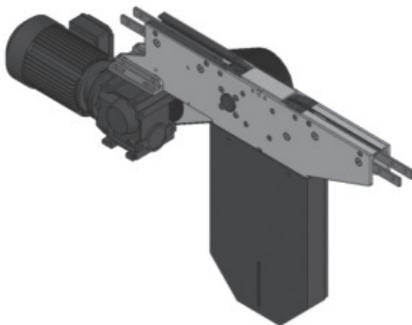
The Direct Intermediate Drive Unit is without torque limiter.

#### UOM: pc

Chain required 2-way: 1.2 meter  
Slide rail required 2-way: 1.1 meter

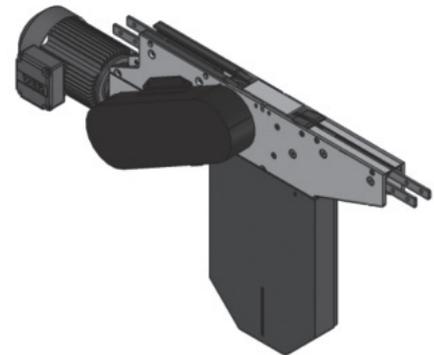
### FK Suspended Catenary Drive without Motor (LEFT)

FKCD-SD-0L



### FK Suspended Catenary Drive without Motor (RIGHT)

FKCD-SD-0R



#### Max Traction Force: 500N

The Suspended Catenary Drive Unit is with torque limiter.

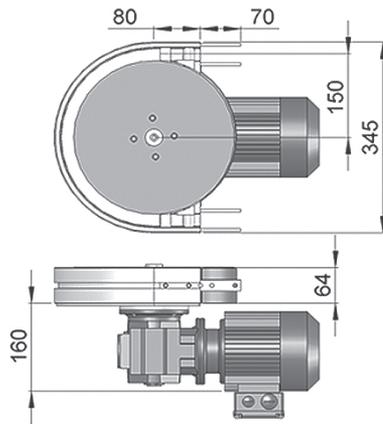
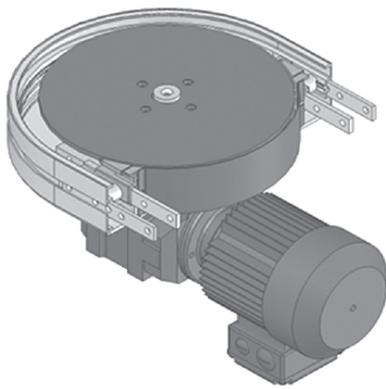
#### UOM: pc

Chain required 1-way: 1.4 meter  
Slide rail required 1-way: 1.0 meter

SEW gearmotors are products of SEW Eurodrive

## FK Direct Wheel Drive without Motor

FKWD-DD-0M



**Max Traction Force: 200N**

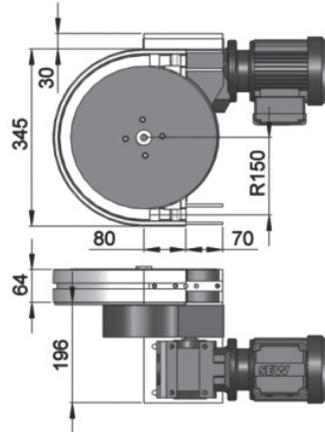
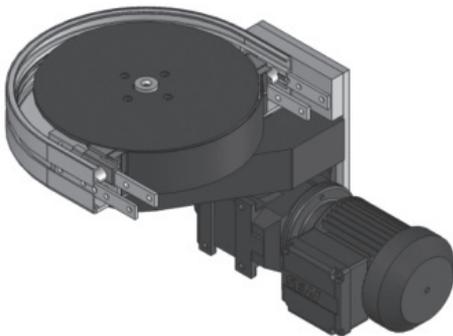
The Drive Wheel Drive Unit is without torque limiter. FKWD-DD-0M represents direct drive without gear motor. Maximum traction force for FKWD-DD is lower than FKDD and FKSD.

**UOM: pc**

Chain required 1-way: 0.7 meter  
Slide rail required 1-way: 0.7 meter

## FK Suspended Wheel Drive without Motor

FKWD-SD-0M



**Max Traction Force: 200N**

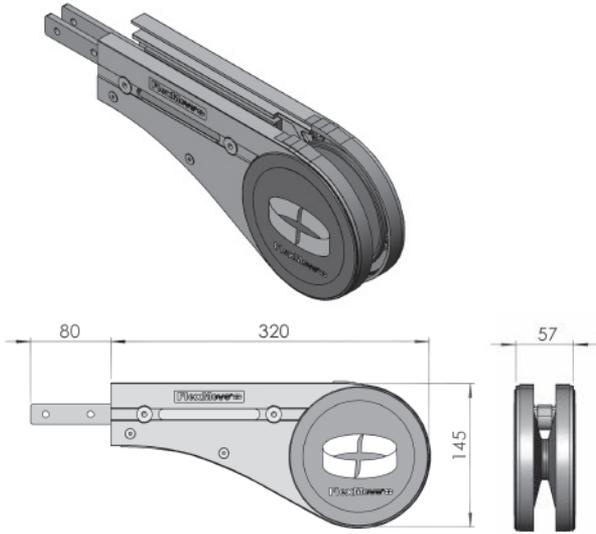
The Suspended Wheel Drive Unit is with torque limiter. FKWD-SD-0M represents direct drive without gear motor. Maximum traction force for FKWD-SD is lower than FKDD and FKSD.

**UOM: pc**

Chain required 1-way: 0.7 meter  
Slide rail required 1-way: 0.7 meter

## FK Idler End-45

FKIE-A45



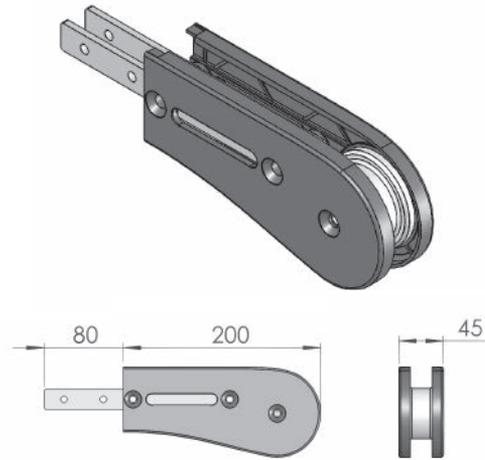
**UOM: pc**

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5meter

Note: Tail is 12 mm wider than conveyor frame.

## FK Idler End-200

FKIE-200

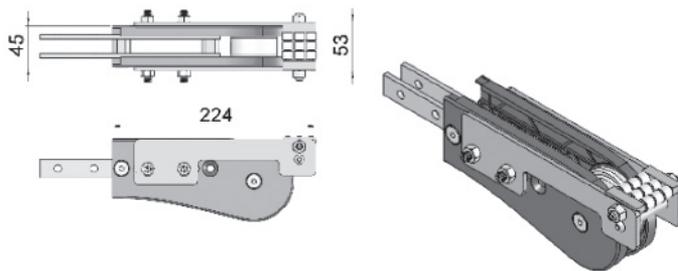


**UOM: pc**

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0

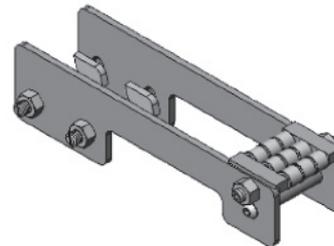
## FK Idler-200 End Free Roller Bridge

FKIE-A45EB-200



## FKIEB-A45-200

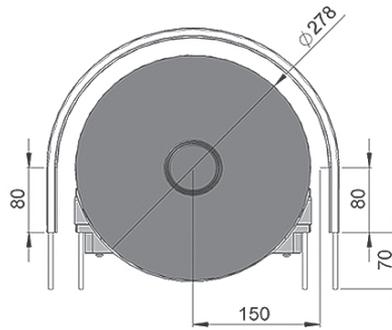
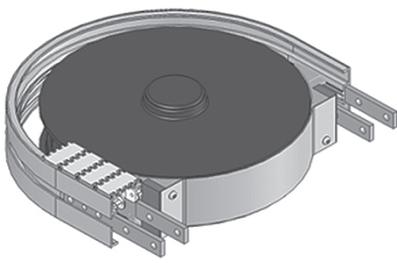
End transfer bridge c/w roller for FKIE-200



**UOM: pc**

## FK Wheel Bend 180°

FKWB-180R150A

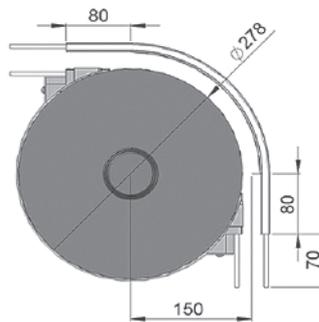


**UOM:** pc

Chain required 2-way: 1.3 meter  
Slide rail required 2-way: 1.3 meter

## FK Wheel Bend 90°

FKWB-90R150A

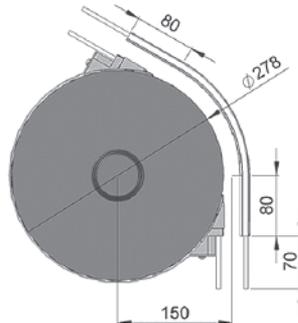


**UOM:** pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.8 meter

## FK Wheel Bend 60°

FKWB-60R150A

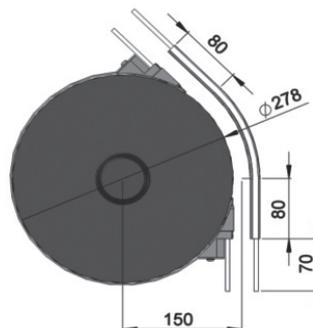


**UOM:** pc

Chain required 2-way: 0.6 meter  
Slide rail required 2-way: 0.6 meter

## FK Wheel Bend 45°

FKWB-45R150A

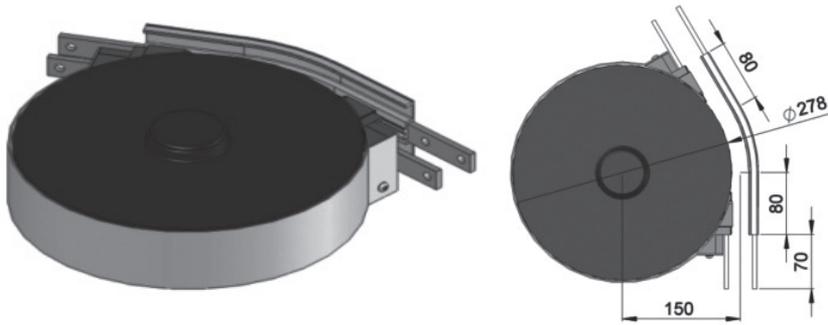


**UOM:** pc

Chain required 2-way: 0.6 meter  
Slide rail required 2-way: 0.6 meter

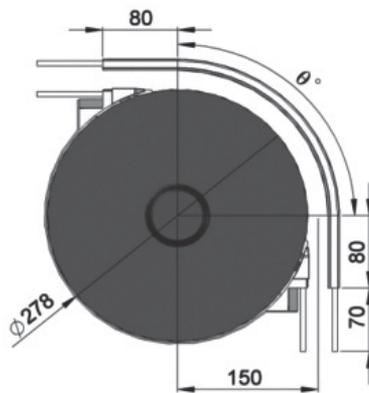
## FK Wheel Bend 30°

FKWB-30R150A



**UOM: pc**  
 Chain required 2-way: 0.5 meter  
 Slide rail required 2-way: 0.5 meter

## FK Wheel Bend 5° - 180°



### Example for FK Wheel Bend Ordering

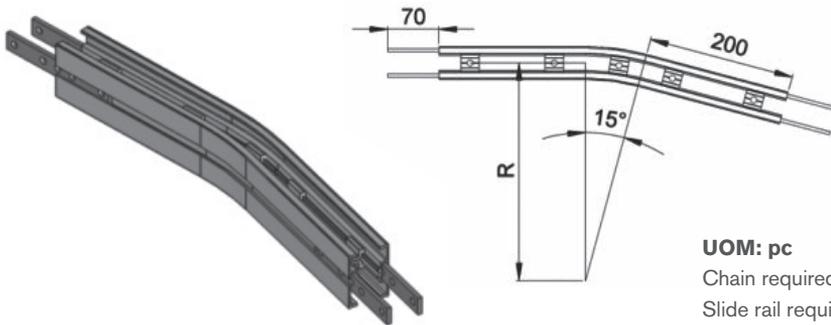
- Wheel bend,  $\text{Ø}^\circ \pm 1^\circ$
- FKWB- $\text{Ø}^\circ\text{R}150\text{A}$

If an angle of 65° is needed for wheel bend, the ordering part number is

**FKWB-65R150A**

*The outer bend is assembled using connecting strip (FACS-20x140). Angle of  $\text{Ø}^\circ$  must be indicated when ordering.*

## FK Horizontal Plain Bend 15°



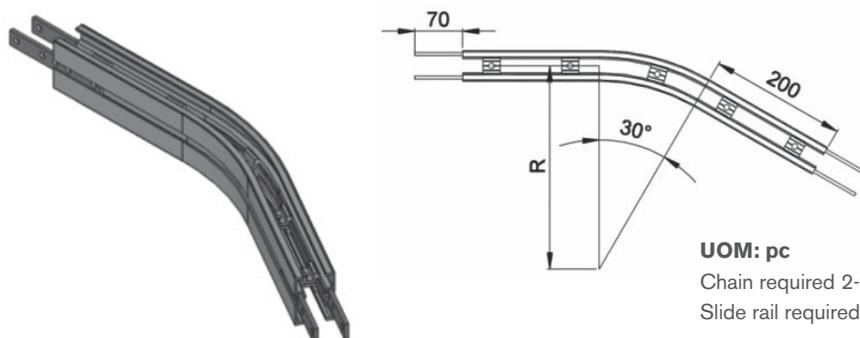
### Horizontal plain bend, 15° ± 1°

- R = 300 ± 10 mm **FKHB-15R300**
- R = 500 ± 10 mm **FKHB-15R500**
- R = 700 ± 10 mm **FKHB-15R700**
- R = 1000 ± 10 mm **FKHB-15R1000**

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1, 1.1, 1.2, 1.3 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 1.9, 2.1, 2.3, 2.6 meter

## FK Horizontal Plain Bend 30°



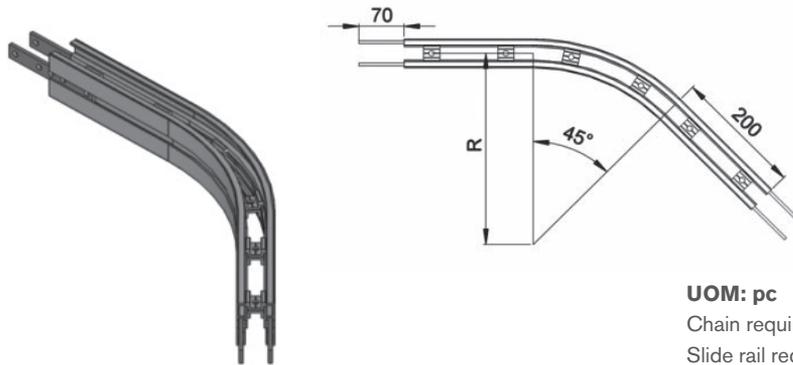
### Horizontal plain bend, 30° ± 1°

- R = 300 ± 10 mm **FKHB-30R300**
- R = 500 ± 10 mm **FKHB-30R500**
- R = 700 ± 10 mm **FKHB-30R700**
- R = 1000 ± 10 mm **FKHB-30R1000**

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1.1, 1.3, 1.5, 1.8 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 2.2, 2.6, 3.1, 3.7 meter

## FK Horizontal Plain Bend 45°



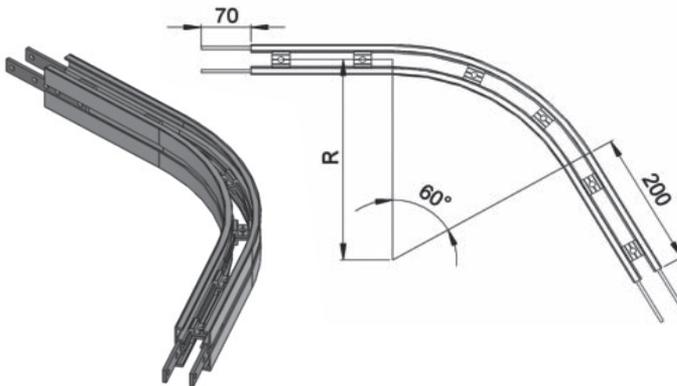
### Horizontal plain bend, 45° ± 1°

- R = 300 ± 10 mm      **FKHB-45R300**
- R = 500 ± 10 mm      **FKHB-45R500**
- R = 700 ± 10 mm      **FKHB-45R700**
- R = 1000 ± 10 mm     **FKHB-45R1000**

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1.3, 1.6, 1.9, 2.4 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 2.5, 3.2, 3.8, 4.7 meter

## FK Horizontal Plain Bend 60°



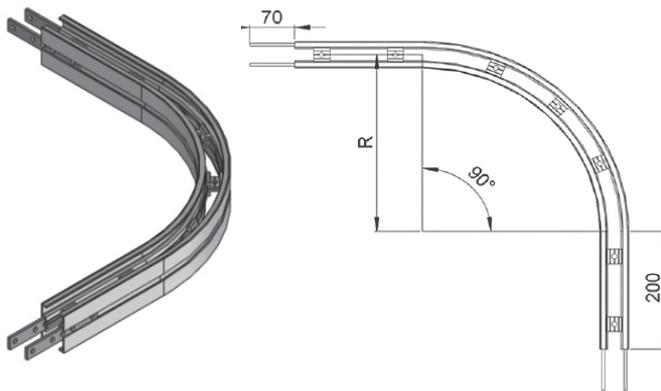
### Horizontal plain bend, 60° ± 1°

- R = 300 ± 10 mm      **FKHB-60R300**
- R = 500 ± 10 mm      **FKHB-60R500**
- R = 700 ± 10 mm      **FKHB-60R700**
- R = 1000 ± 10 mm     **FKHB-60R1000**

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1.4, 1.8, 2.3, 2.9 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 2.9, 3.7, 4.5, 5.8 meter

## FK Horizontal Plain Bend 90°



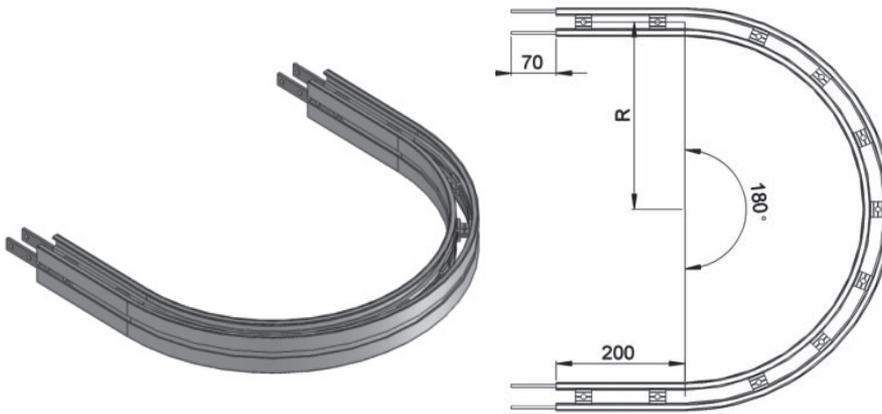
### Horizontal plain bend, 90° ± 1°

- R = 300 ± 10 mm      **FKHB-90R300**
- R = 500 ± 10 mm      **FKHB-90R500**
- R = 700 ± 10 mm      **FKHB-90R700**
- R = 1000 ± 10 mm     **FKHB-90R1000**

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1, 1.1, 1.2, 1.3 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 1.9, 2.1, 2.3, 2.6 meter

**FK Horizontal Plain Bend 180°**



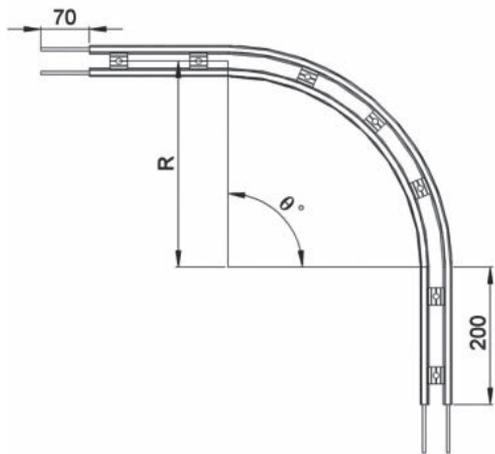
**Horizontal plain bend, 180° ± 1°**

- R = 300 ± 10 mm      **FKHB-180R300**
- R = 500 ± 10 mm      **FKHB-180R500**
- R = 700 ± 10 mm      **FKHB-180R700**
- R = 1000 ± 10 mm     **FKHB-180R1000**

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 2.7, 3.9, 5.2, 7.1 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 5.4, 7.9, 10.4, 14.2 meter

**FK Horizontal Plain Bend 5-180°**



**Example for FK Horizontal Plain Bend Ordering**

**Horizontal plain bend, Ø° ± 1°**

- R = 300 ± 10 mm      **FKHB- Ø°R300**
- R = 500 ± 10 mm      **FKHB- Ø°R500**
- R = 700 ± 10 mm      **FKHB- Ø°R700**
- R = 1000 ± 10 mm     **FKHB- Ø°R1000**

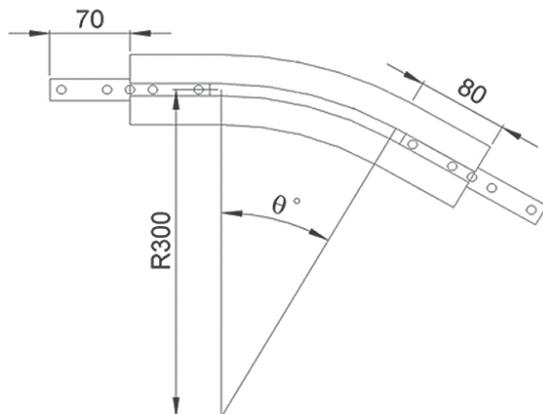
If an angle of 120° is needed for radius R500 horizontal plain bend, the ordering part number is

**FKHB-120R500**

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): meter (Variable to angle)  
 Slide rail required 2-way (300, 500, 700, 1000): meter (Variable to angle)

**FK Vertical Bend 5° - 90°**



**Example for FK Vertical Bend Ordering**

- Vertical bend, Ø° ± 1°
- **FKVB-Ø°R300**

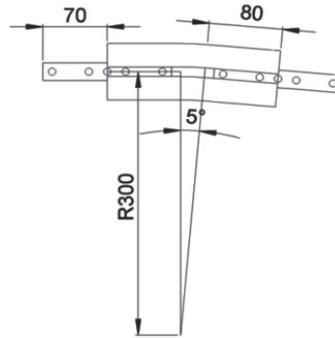
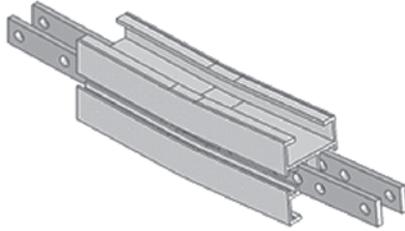
If an angle of 65° is needed for vertical bend, the ordering part number is

**FKVB-65R300**

*The outer bend is assembled using connecting strip (FACS-20x140). Angle of Ø° must be indicated when ordering.*

## FK Vertical Bend 5°

FKVB-5R300

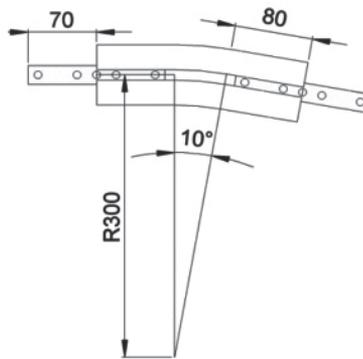
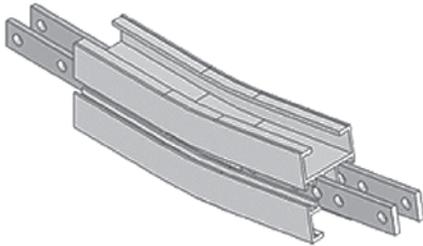


**UOM: pc**

Chain required 2-way: 0.4 meter  
Slide rail required 2-way: 0.7 meter

## FK Vertical Bend 10°

FKVB-10R300

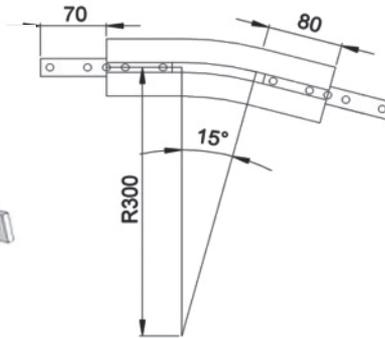
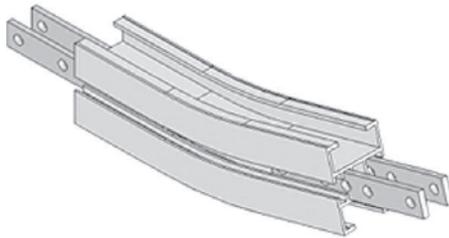


**UOM: pc**

Chain required 2-way: 0.4 meter  
Slide rail required 2-way: 0.8 meter

## FK Vertical Bend 15°

FKVB-15R300

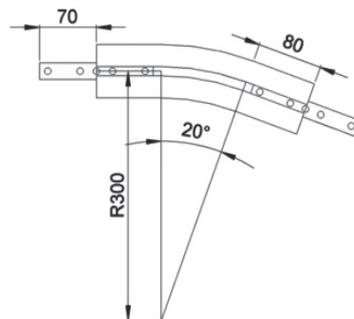
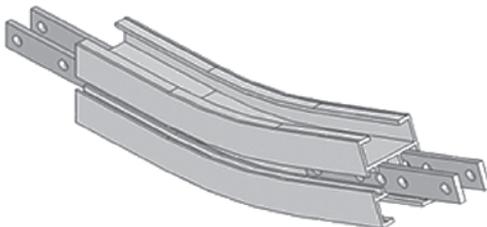


**UOM: pc**

Chain required 2-way: 0.5 meter  
Slide rail required 2-way: 1.0 meter

## FK Vertical Bend 20°

FKVB-20R300

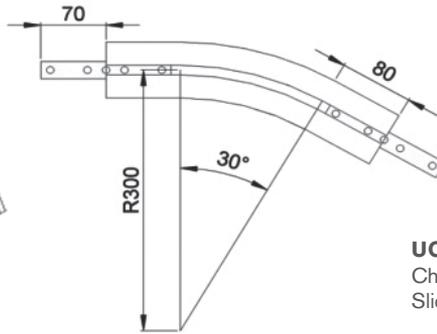
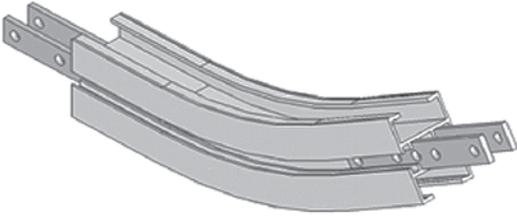


**UOM: pc**

Chain required 2-way: 0.5 meter  
Slide rail required 2-way: 1.1 meter

**FK Vertical Bend 30°**

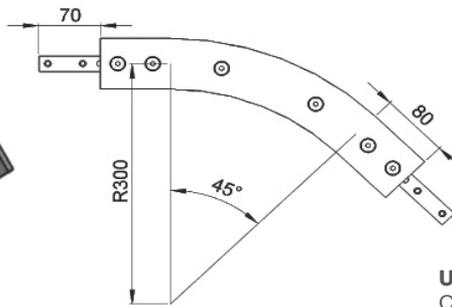
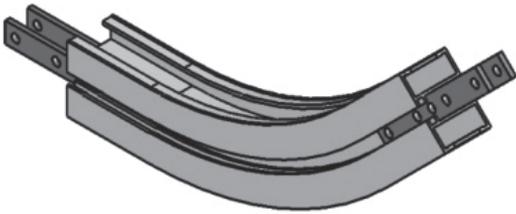
**FKVB-30R300**



**UOM: pc**  
 Chain required 2-way: 0.6 meter  
 Slide rail required 2-way: 1.3 meter

**FK Vertical Bend 45°**

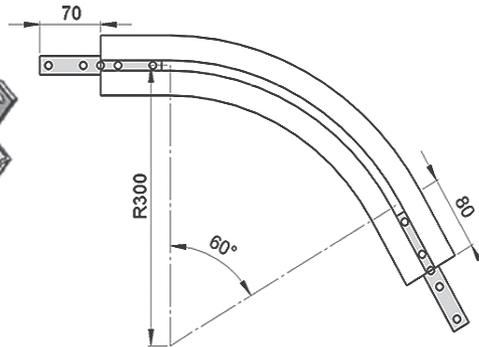
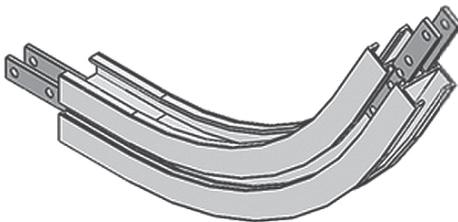
**FKVB-45R300**



**UOM: pc**  
 Chain required 2-way: 0.8 meter  
 Slide rail required 2-way: 1.6 meter

**FK Vertical Bend 60°**

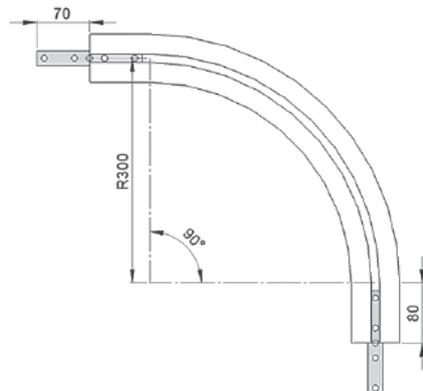
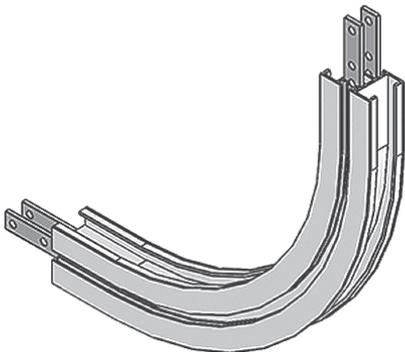
**FKVB-60R300**



**UOM: pc**  
 Chain required 2-way: 0.9 meter  
 Slide rail required 2-way: 1.9 meter

**FK Vertical Bend 90°**

**FKVB-90R300**



**UOM: pc**  
 Chain required 2-way: 1.3 meter  
 Slide rail required 2-way: 2.5 meter

Variety of chain types suitable for wide range of applications either horizontal or vertical product transportation. The maximum product width to be conveyed can be referred to guide rail assembly pages.

### FS Series Characteristic

**Beam Width:** 65 mm

**Product Width:** Refer to Guide Rail Assembly

### Accessories Needed

**Slide Rail Required:** FASR-25 OR FASR-25U

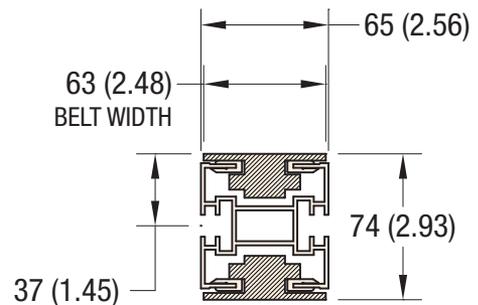
**Slide Rail Color:** White or Natural Color

**Slide Rail Material:** HDPE OR UHMW-PE

**Slide Rail Rivet & Screw:** FASLR-4X6 or FASLS-M5

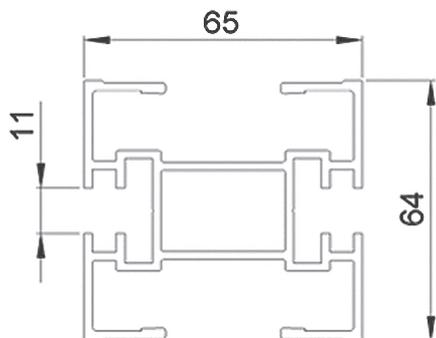
Connecting strip is used to connect two beams.

**Connecting Strip:** FACS-25x140A

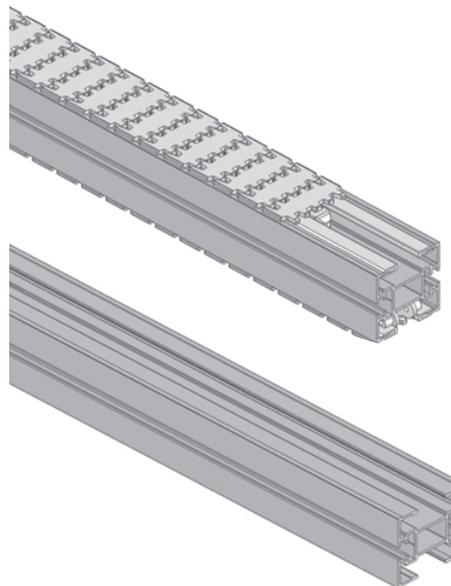


**65 MM WIDTH**

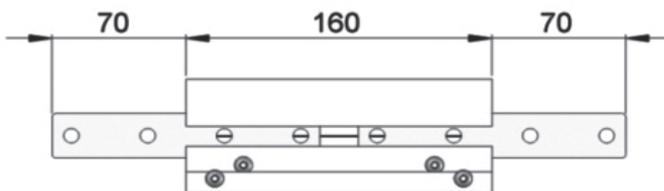
### Conveyor Beam FSCB-3



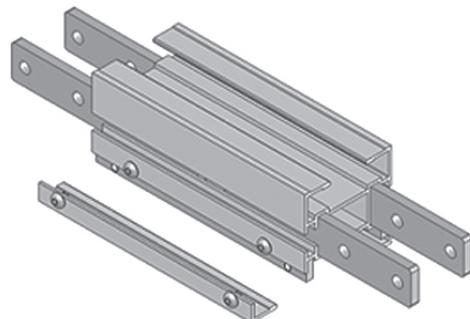
UOM: 3 Meter / Length



### Chain Connecting Module FSCC-160



UOM: pc



### Chain Common Data

**Packaging:** 5 m per box

**Pitch:** 25.4 mm

**Width:** 63 mm

Tensile Strength at 20°C: 4000N

**Color:** White & Black (Conductive)

### Material:

**Chain:** White Acetal / POM

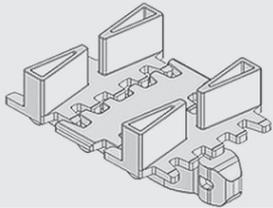
**Pivot:** Polyamide

**Pivot Pin:** Stainless Steel

**Insert (Wedge & Friction):** TPE Grey

### Example for FSCT-5A17-L#

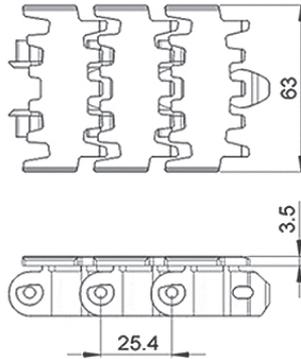
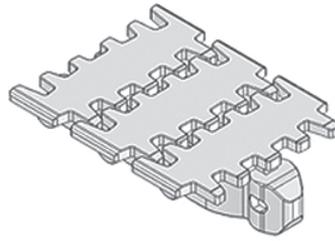
# = 1 cleated top chain with alternate of # link of plain chain



The above chain is FSCT-5A17-L1, 1 link cleated top chain with alternate of 1 link of plain chain.

**Note:** # = 1, 2, 3, 4, 5.....20

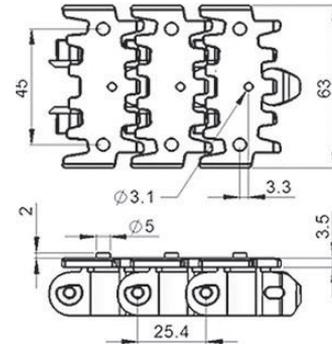
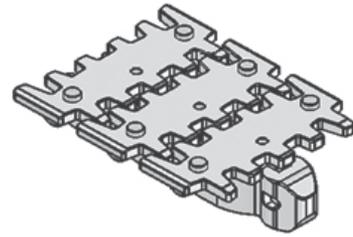
### Standard Plain Chain **FSPC-5**



**UOM: 5 Meter / box**

Application: Suitable for horizontal and slope < 5° transport of products with accumulation.

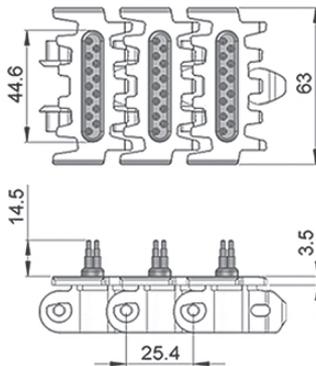
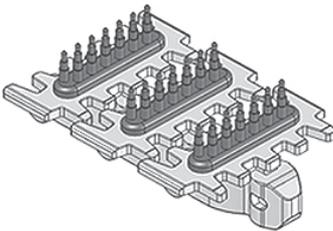
### Universal Chain **FSUC-5**



**UOM: 5 Meter / box**

Application: Universal Link with M3 Nut, Suitable for attached customer cleat or fixture

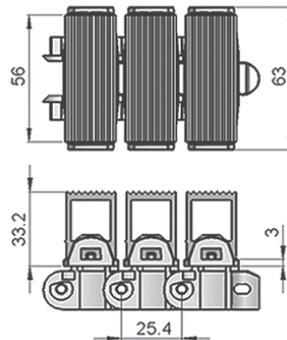
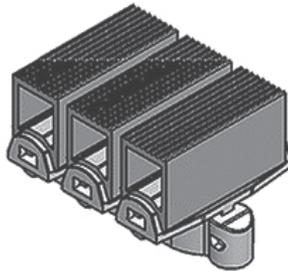
### Wedge Top Chain **FSWT-5A**



**UOM: 5 Meter / box**

Application: Vertical Wedge transportation of products.

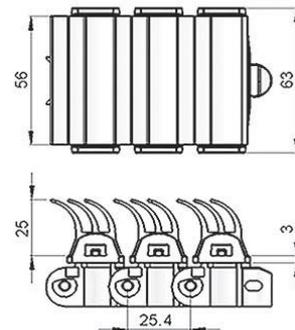
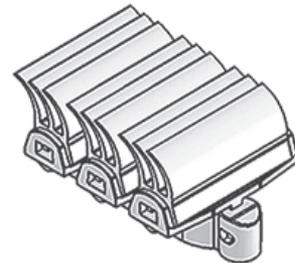
### Wedge Top Chain **FSWT-5C**



**UOM: 5 Meter / box**

Application: Vertical Wedge transportation of products. (Heavy Duty).

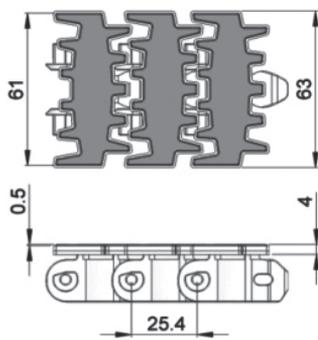
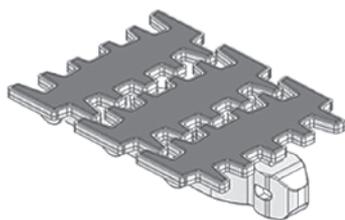
### Wedge Top Chain **FSWT-5D**



**UOM: 5 Meter / box**

Application: Vertical Wedge transportation of products.

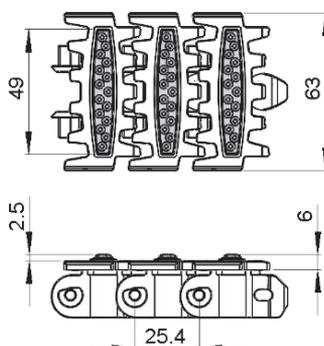
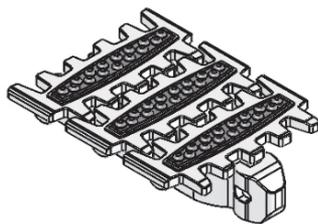
## Friction Top Chain **FSFT-5**



**UOM: 5 Meter / box**

Application: Suitable for transport product in slope  $> 5^\circ$  but  $\leq 30^\circ$  without accumulation.

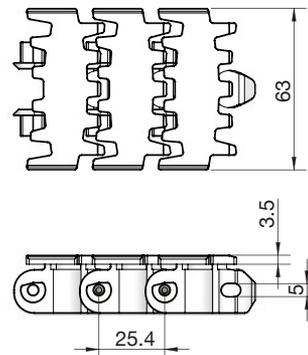
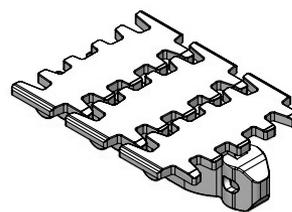
## Friction Top Chain **FSFT-5C**



**UOM: 5 Meter / box**

Application: Suitable for transport product in slope  $> 5^\circ$  but  $\sim 35^\circ$  without accumulation. Subject to product weight and packing

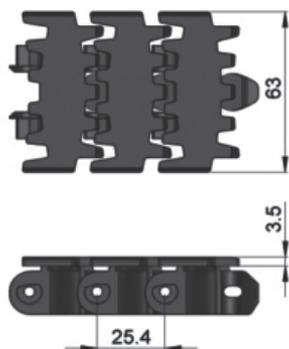
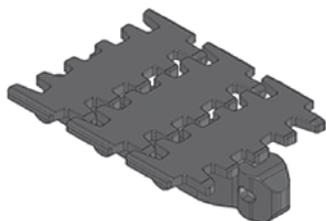
## Twist Chain **FSPC-5M**



**UOM: 5 Meter / box**

Application: Suitable twist conveyor beam; horizontal and slope  $< 5^\circ$  transport of products with accumulation

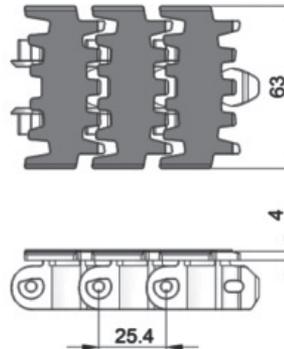
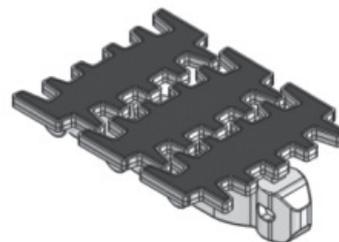
## Conductive Chain **FSPC-5CD**



**UOM: 5 Meter / box**

Application: Suitable for transport of static sensitive product.

## Flocked Chain **FSFK-5**

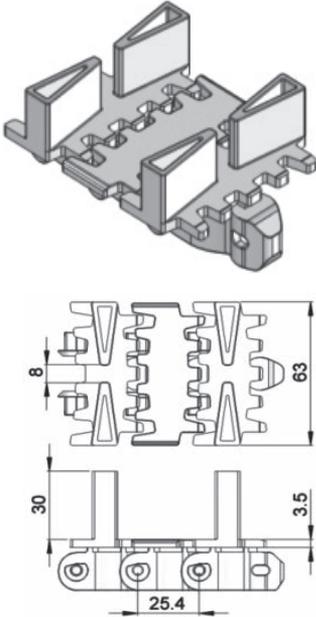


**UOM: 5 Meter / box**

Application: Suitable to transport lightweight, fragile and scratch sensitive product.

### Cleat Top Chain-A **FSCT-5A17-L#**

# = 1, 2, 3, 4, 5.....20

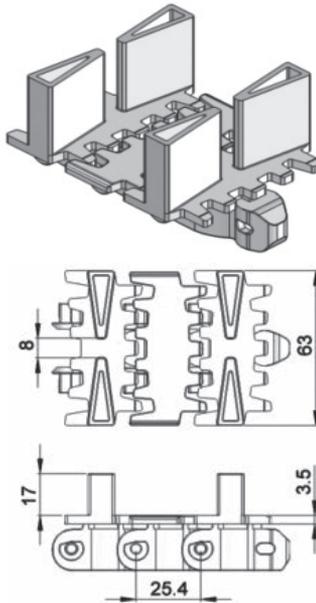


**UOM: 5 Meter / box**

Application: Suitable for vertical transport of product with no accumulation.

### Cleat Top Chain-A **FSCT-5A30-L#**

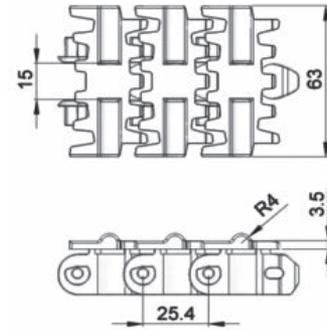
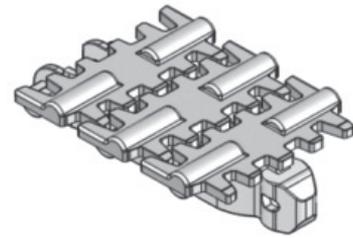
# = 1, 2, 3, 4, 5.....20



**UOM: 5 Meter / box**

Application: Suitable for vertical transport of product with no accumulation.

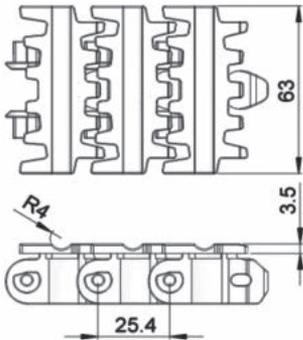
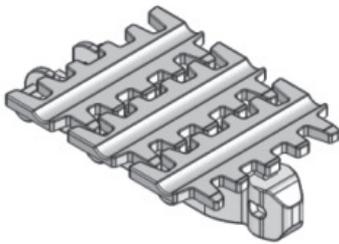
### Cleat Top Chain-B **FSCT-5B**



**UOM: 5 Meter / box**

Application: Suitable Cigarette transport.

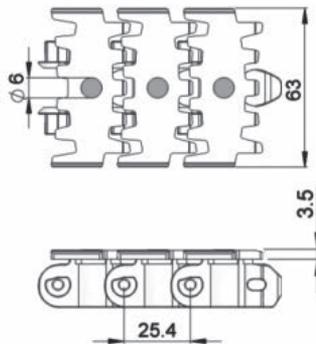
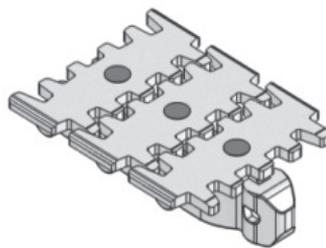
### Cleat Top Chain-C **FSCT-5C**



**UOM: 5 Meter / box**

Application: Suitable for Cigarette transport.

### Magnet Top Chain **FSMT-5**

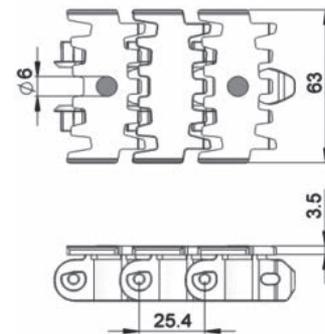
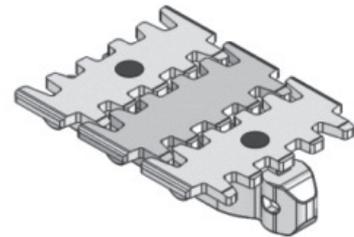


**UOM: 5 Meter / box**

Application: Suitable for conveying ferromagnetic products in slope.

### Magnet Top Chain **FSMT-5-L#**

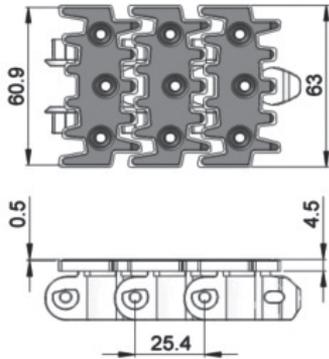
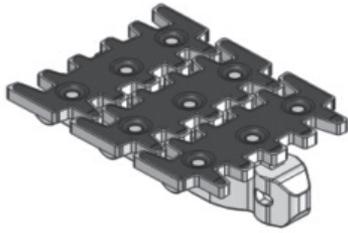
# = 1, 2, 3, 4, 5.....20



**UOM: 5 Meter / box**

Application: Suitable for conveying ferromagnetic products in slope.

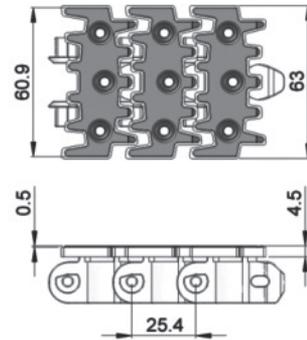
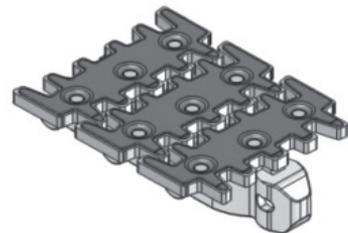
## Hardened Steel Top Chain **FSST-5**



**UOM: 5 Meter / box**

Application: Suitable to transport metal products in accumulation.

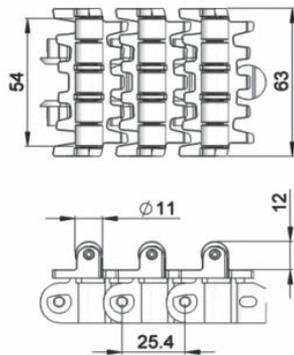
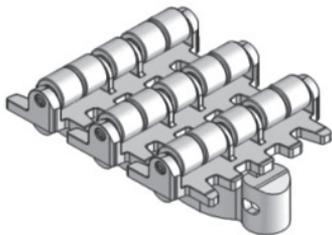
## Stainless Steel Top Chain **FSST-5S**



**UOM: 5 Meter / box**

Application: Suitable to transport metal products in accumulation.

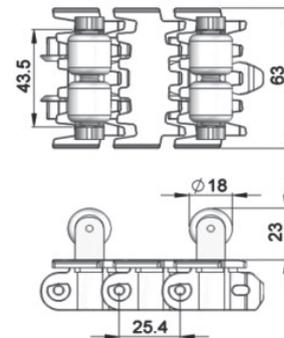
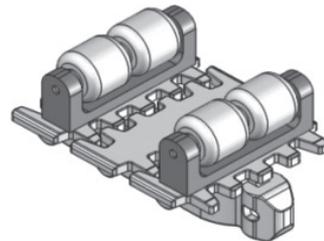
## Roller Top Chain **FSRT-5**



**UOM: 5 Meter / box**

Application: Suitable for accumulation of product with low friction and pressure.

## Roller Cleat Chain **FSRC-5A-L#**

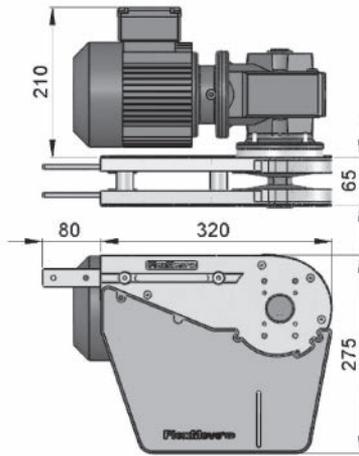
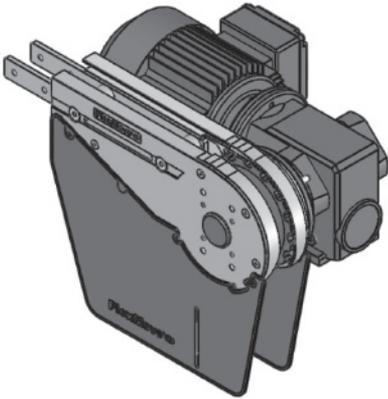


**UOM: 5 Meter / box**

Application: Suitable for vertical transportation, of product in slope with no accumulation.

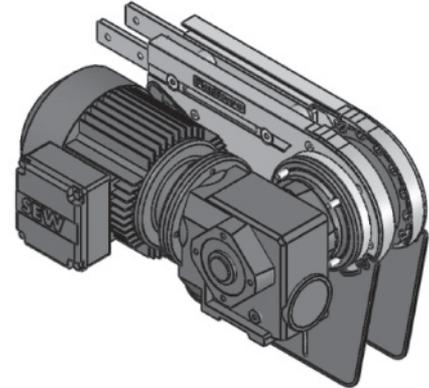
### FS Direct End Drive without Motor (LEFT)

FSDD-A65-XDY (See Chart)



### FS Direct End Drive without Motor (RIGHT)

FSDD-A65-XDY (See Chart)



#### Max Traction Force: 500N

The Drive End Drive Unit is without torque limiter.

#### UOM: pc

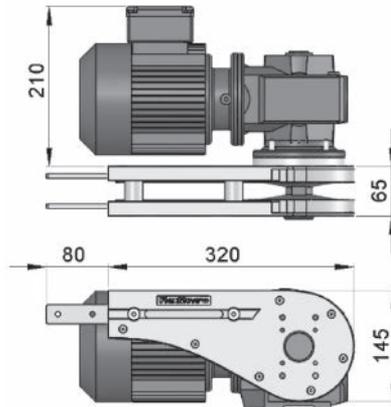
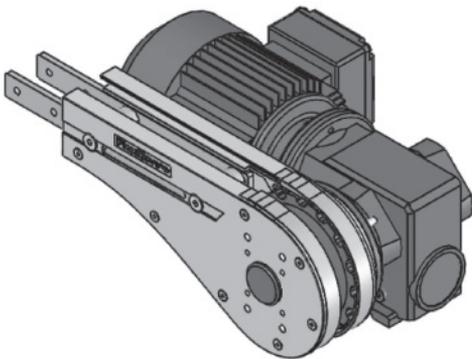
Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

Part Number		Shaft Selection	Direction	Aux Shaft Selection
FSDD-A65	-	X	D	Y
		0 = 20 mm	L = Left	Blank = No Aux Shaft
		E = 3/4 in*	R = Right	A = 20 mm Aux Shaft
		A = 20 mm Aux Only		

\*3/4 inch shaft option available in North America only.

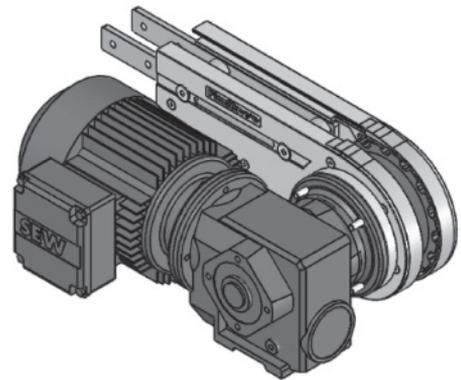
### FS Direct End Drive without Motor GP (LEFT)

FSDD-A65GP-XDY (See Chart)



### FS Direct End Drive without Motor GP (RIGHT)

FSDD-A65GP-XDY (See Chart)



Requires the use of connecting module for chain maintenance.

Part Number		Shaft Selection	Direction	Aux Shaft Selection
FSDD-A65GP	-	X	D	Y
		0 = 20 mm	L = Left	Blank = No Aux Shaft
		E = 3/4 in*	R = Right	A = 20 mm Aux Shaft
		A = 20 mm Aux Only		

\*3/4 inch shaft option available in North America only.

#### Max Traction Force: 500N

The Direct End Drive Unit GP is without torque limiter.

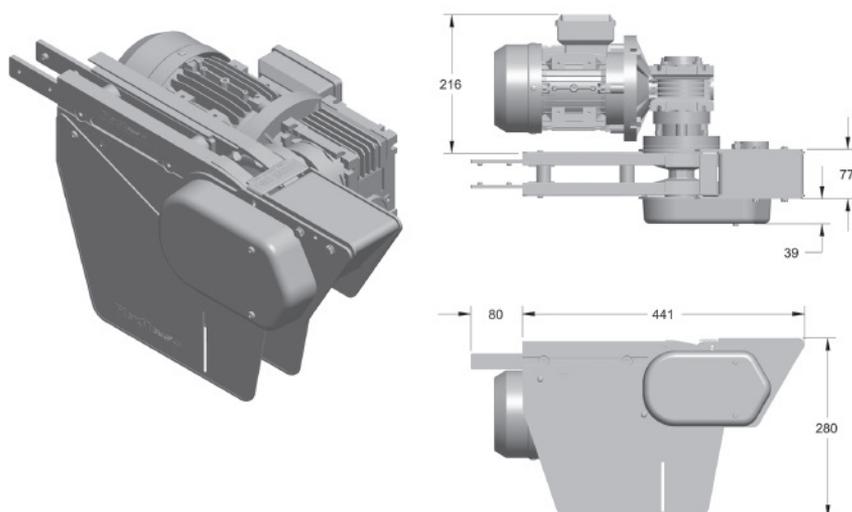
#### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

SEW gearmotors are products of SEW Eurodrive

## FS Direct with Power Transfer Motor (LEFT)

FSDD-A65PT-XD (See Chart)



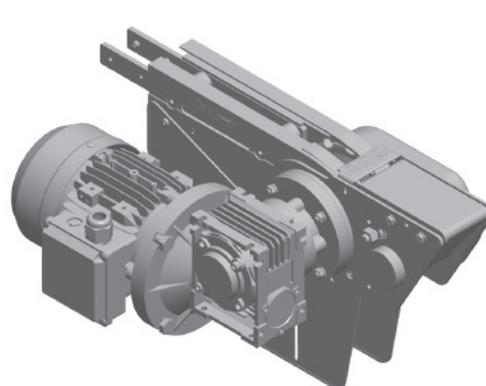
Minimum product length for inline transfer = 100 mm  
Provides extended transfer nose for interfacing with large rollers.

Part Number		Shaft Selection	Direction
FSDD-A65PT	-	X	D
		0 = 20 mm	L = Left
		E = 3/4 in*	R = Right

\*3/4 inch shaft option available in North America only.

## FS Direct with Power Transfer Motor (RIGHT)

FSDD-A65PT-XD (See Chart)



### Max Traction Force: 500N

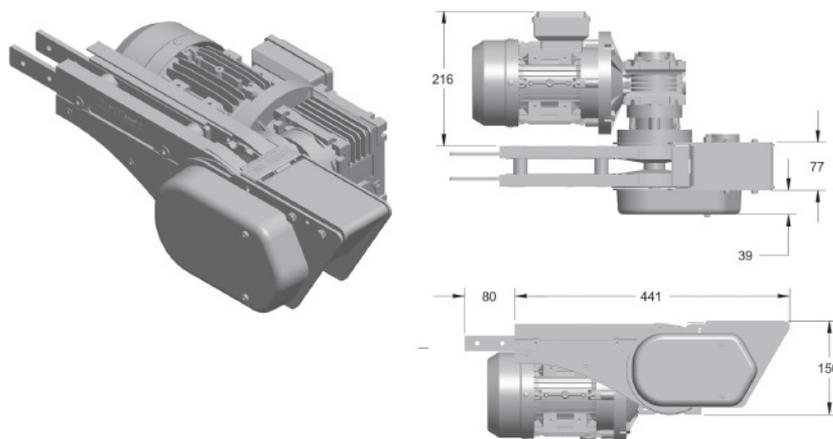
The Drive End Drive Unit is without torque limiter.

### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

## FS GP Direct with Power Transfer Motor (LEFT)

FSDD-A65GPPT-XD (See Chart)



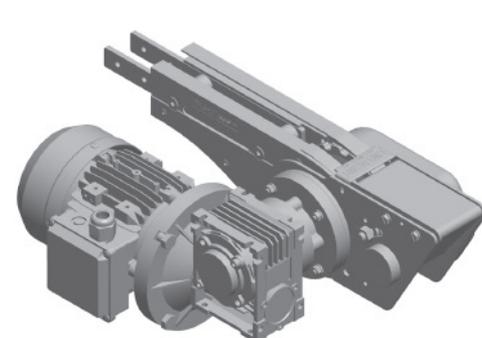
Minimum product length for inline transfer = 100 mm  
Provides extended transfer nose for interfacing with large rollers. Requires the use of connecting module for chain maintenance.

Part Number		Shaft Selection	Direction
FSDD-A65GPPT	-	X	D
		0 = 20 mm	L = Left
		E = 3/4 in*	R = Right

\*3/4 inch shaft option available in North America only.

## FS GP Direct with Power Transfer Motor (RIGHT)

FSDD-A65GPPT-XD (See Chart)



### Max Traction Force: 500N

The Direct End Drive Unit GP is without torque limiter.

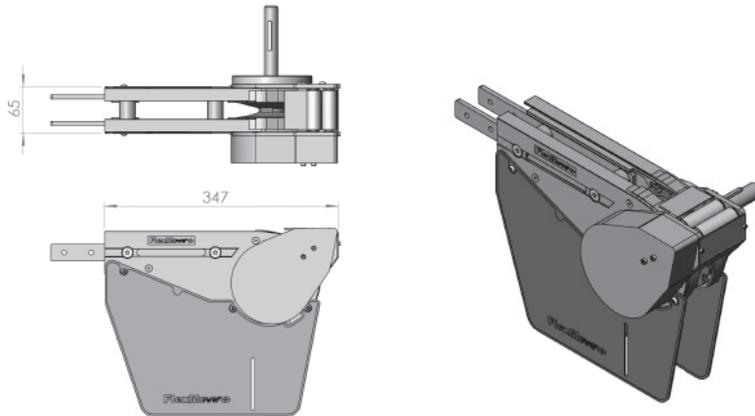
### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

SEW gearmotors are products of SEW Eurodrive

## FS Direct Drive Driven Transfer Bridge (LEFT)

**FSDD-A65DB-A-0L**

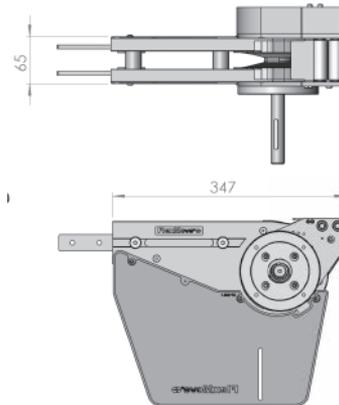


**UOM: pc**

20 mm Shaft only.  
Minimum product length for inline transfer = 100 mm  
Transfer extends past conveyor only 27 mm

## FS Direct Drive Driven Transfer Bridge (RIGHT)

**FSDD-A65DB-A-0R**



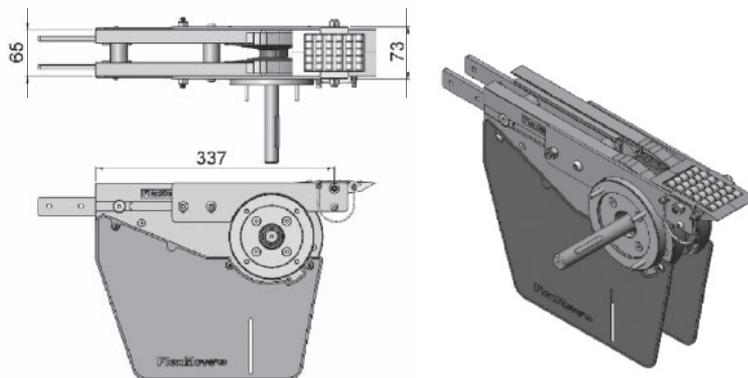
**Max Traction Force: 500N**

The Drive End Drive Unit is without torque limiter.

**UOM: pc**

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

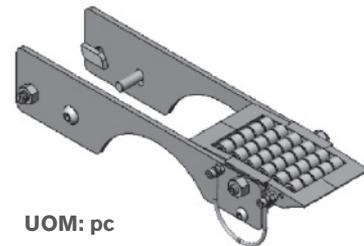
## FS Direct Drive Free Roller Transfer Bridge



Roller transfer bridge is sold separately.

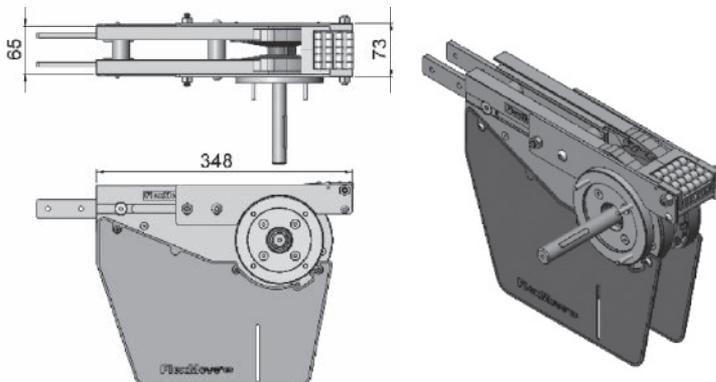
## FSIE-A65TB

Transfer bridge c/w roller for FSIE-A65, FSDD-A65-XDY and FSDD-A65GP-XDY-



**UOM: pc**

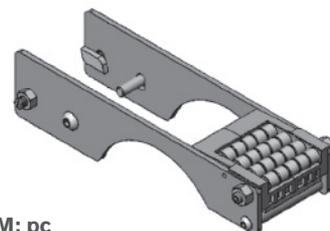
## FS Direct Drive End Free Roller Bridge (LEFT/RIGHT)



Roller transfer bridge is sold separately.

## FSEB-A65

End transfer bridge c/w roller for FSIE-A65, FSDD-A65-XDY and FSDD-A65GP-XDY

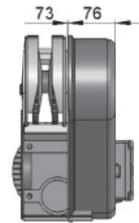
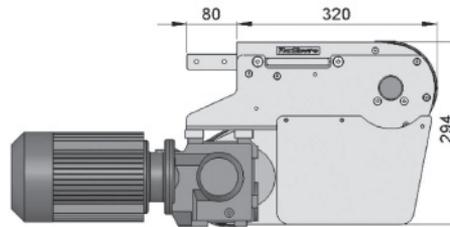
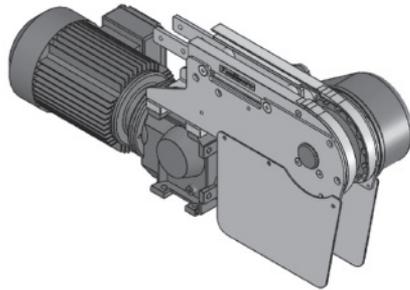


**UOM: pc**

SEW gearmotors are products of SEW Eurodrive

## FS Suspended End Drive without Motor (LEFT)

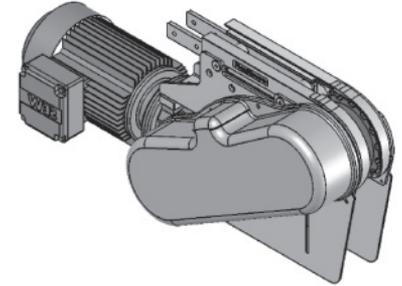
FSSD-A65-0L (with Torque Limiter)  
 FSSD-A65SPT-0L (without Torque Limiter)



- Locates gearmotor below conveyor for compact applications.
- Includes torque limiter protecting chain and motor from overload.
- Maintains chain pull capacity at 500N.

## FS Suspended End Drive without Motor (RIGHT)

FSSD-A65-0R (with Torque Limiter)  
 FSSD-A65SPT-0R (without Torque Limiter)



### Max Traction Force: 500N

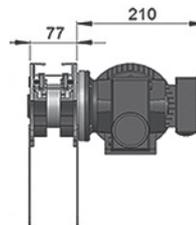
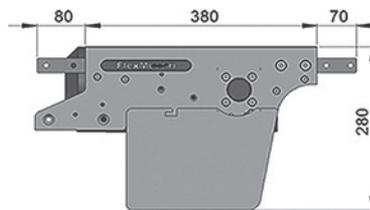
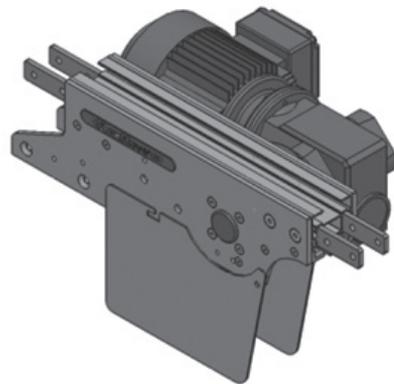
The Suspended End Drive Unit is available with and without torque limiter.

### UOM: pc

Chain required 2-way: 0.8 meter  
 Slide rail required 2-way: 0.5 meter

## FS Direct Intermediate Drive without Motor (LEFT)

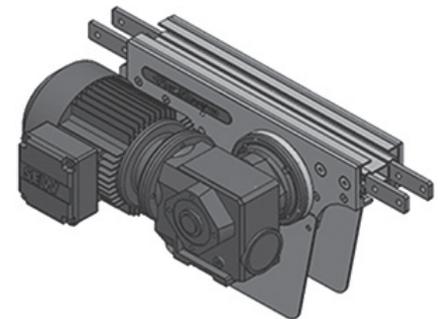
FSID-DD-0L1



Located in middle section of conveyor to free up drive end.

## FS Direct Intermediate Drive without Motor (RIGHT)

FSID-DD-0R1



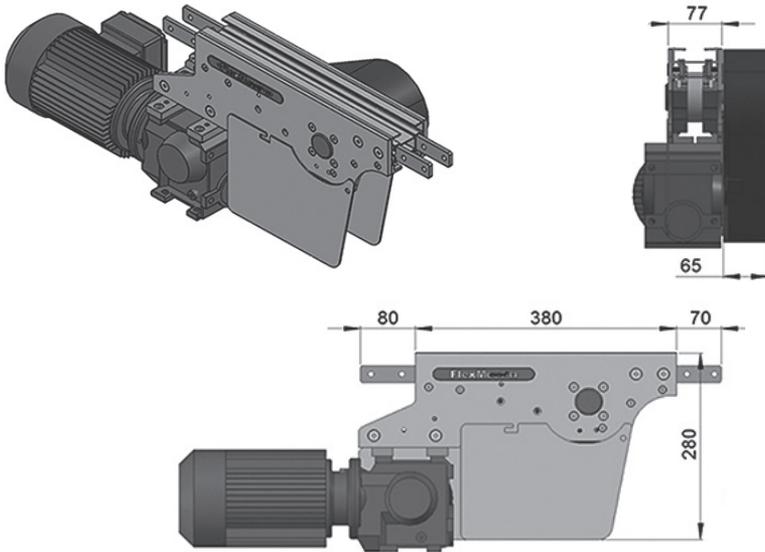
### Max Traction Force: 200N

The Direct Intermediate Drive Unit is without torque limiter.

SEW gearmotors are products of SEW Eurodrive

### FS Suspended Intermediate Drive without Motor (LEFT)

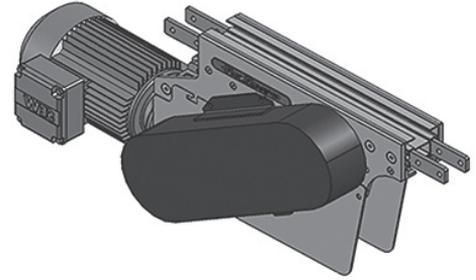
FSID-SD-0L1



- Located in middle of conveyor to free up drive end.
- Includes torque limiter protecting chain and motor from overload.
- Limits chain pull capacity at 200N.

### FS Suspended Intermediate Drive without Motor (RIGHT)

FSID-SD-0R1



#### Max Traction Force: 200N

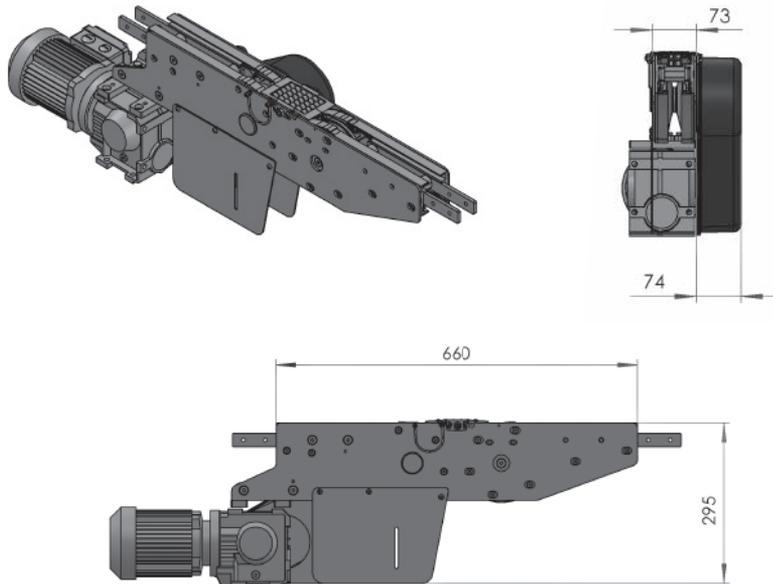
The Suspended Intermediate Drive Unit is with torque limiter.

#### UOM: pc

Chain required 2-way: 1.2 meter  
Slide rail required 2-way: 1.1 meter

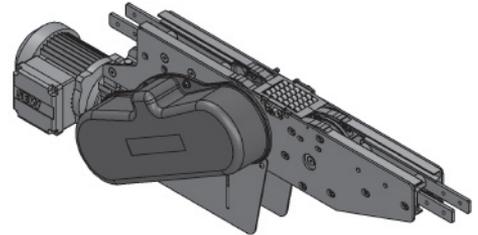
### FS Combined Suspended Drive & Idler (LEFT)

FSCDI-SD-A65-0L



### FS Combined Suspended Drive & Idler (RIGHT)

FSCDI-SD-A65-0R



#### Max Traction Force: 500N

The Combine Suspended End Drive Unit is with torque limiter.

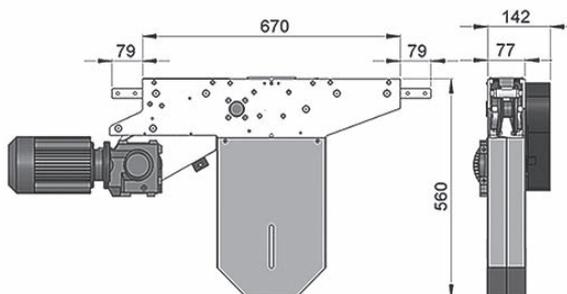
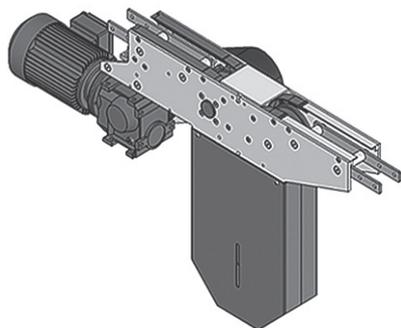
#### UOM: pc

Chain required 2-way: 1.6 meter  
Slide rail with torque limiter: 1.0 meter

SEW gearmotors are products of SEW Eurodrive

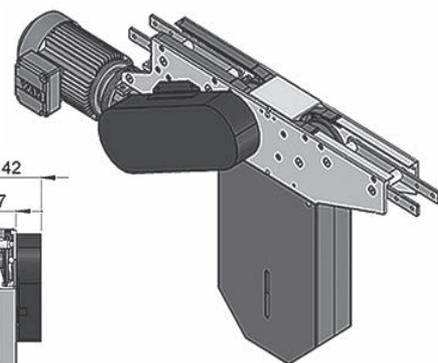
## FS Suspended Catenary Drive without Motor (LEFT)

FSCD-SD



## FS Suspended Catenary Drive without Motor (RIGHT)

FSCD-SD



### Max Traction Force: 500N

The Suspended Catenary Drive Unit is without torque limiter.

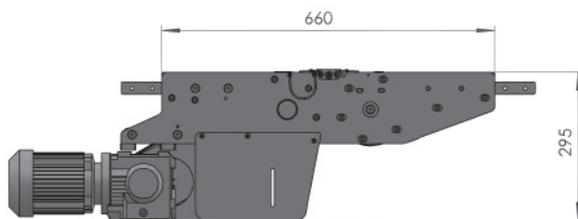
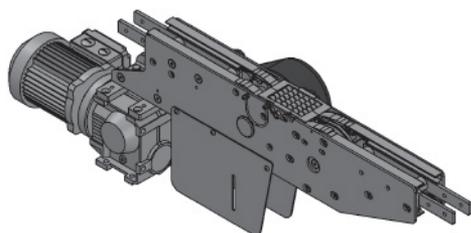
### UOM: pc

Chain required 1-way: 1.4 meter

Slide rail required 1-way: 1.0 meter

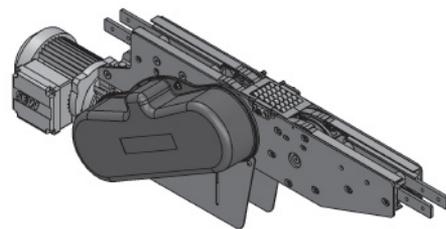
## FS Combined Direct Drive & Idler (LEFT)

FSCDI-DD-A65



## FS Combined Direct Drive & Idler (RIGHT)

FSCDI-DD-A65



### Max Traction Force: 500N

The Combine Direct End Drive Unit is without torque limiter.

### UOM: pc

Chain required 2-way: 1.6 meter

Slide rail required 2-way: 1.0 meter

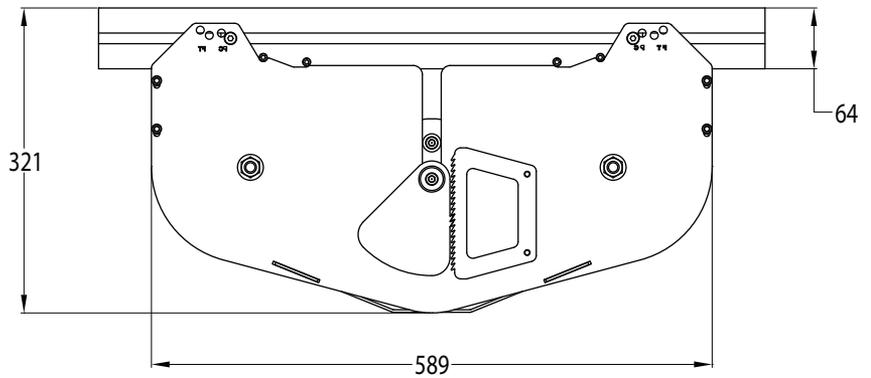
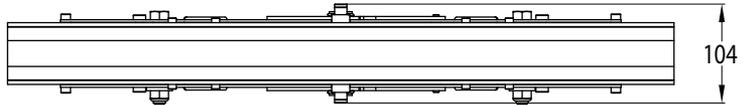
SEW gearmotors are products of SEW Eurodrive

### FS Weighted Take-up Module

FS-WTU-700



- Provides automatic chain stretch take-up
- Reduces noise caused from catenary tail
- Must be used with GP Drive End, sold separately
- Used on conveyors over 12 M long

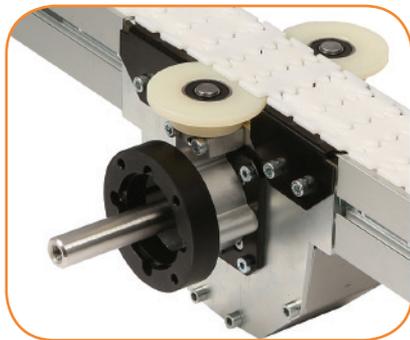


**UOM: pc**

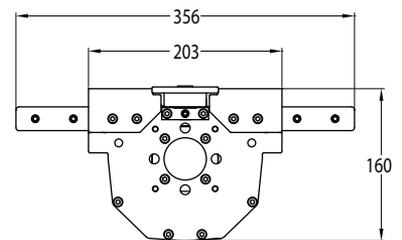
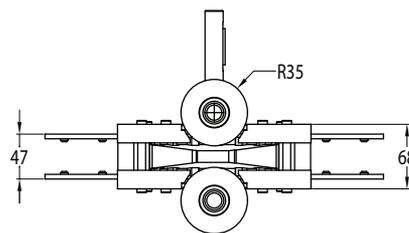
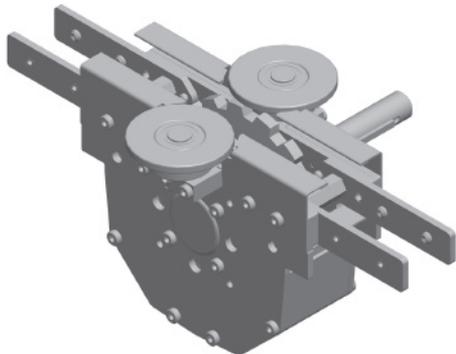
Chain required 1.5 meter  
Slide rail required 2.1 meter

### FS Top Running Drive Module

FSTRD-203



- For top running chain only
- 9M long conveyor length maximum
- 32 Kg load maximum
- Compatible with 3/4 inch shaft gearmotors only

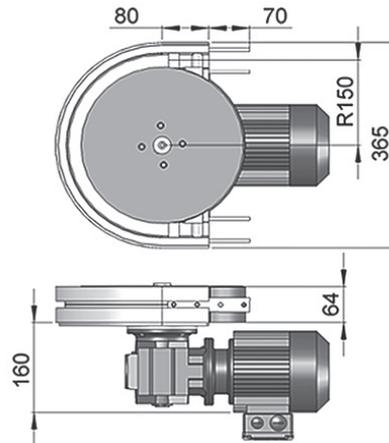
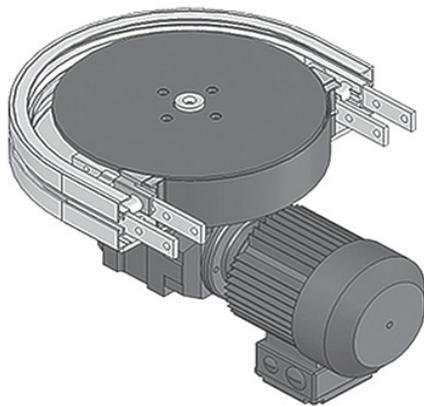


**UOM: pc**

Chain required 0.2 meter

## FS Direct Wheel Drive with Motor

FSWD-DD-0M



### Max Traction Force: 200N

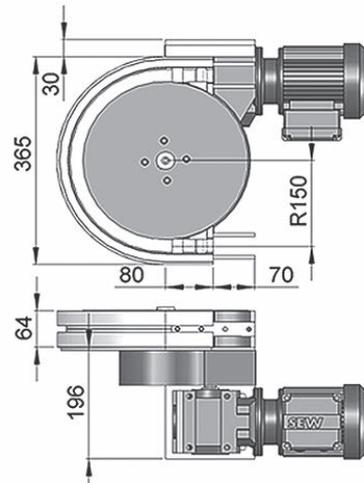
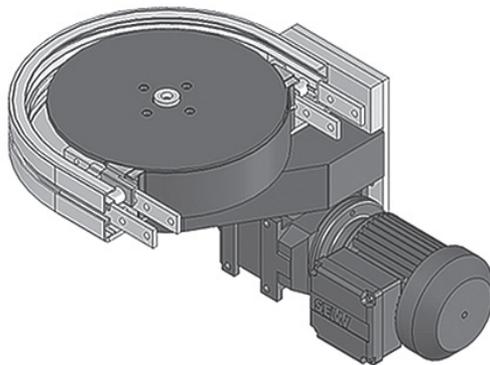
The Direct Wheel Drive Unit is without torque limiter. FSWD-DD-0M represents direct drive without gear motor. Maximum traction force for FSWD-DD is lower than FSDD and FSSD.

### UOM: pc

Chain required 1-way: 0.7 meter  
Slide rail required 1-way: 0.7 meter

## FS Suspended Wheel Drive without Motor

FSWD-SD-0M



### Max Traction Force: 200N

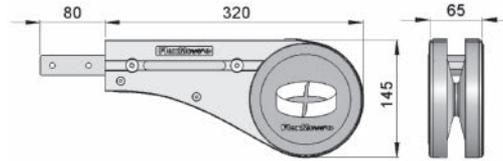
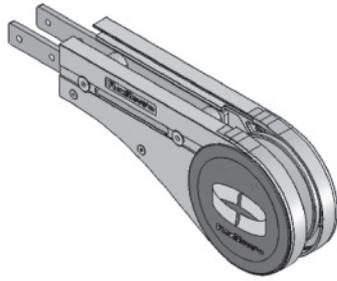
The Suspended Wheel Drive Unit is with torque limiter. FSWD-SD-0M represents direct drive without gear motor. Maximum traction force for FSWD-SD is lower than FSDD and FSSD.

### UOM: pc

Chain required 1-way: 0.7 meter  
Slide rail required 1-way: 0.7 meter

## FS Idler End-65

### FSIE-A65

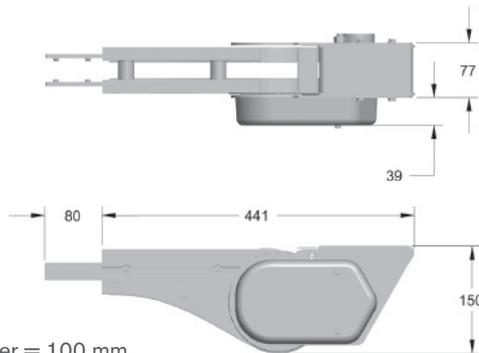


**UOM: pc**

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

## FS Idler End with Power Transfer (LEFT)

### FSIE-A65PT-L

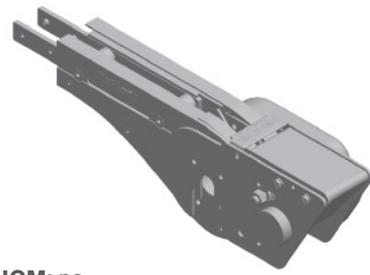


**UOM: pc**

Minimum product length for inline transfer = 100 mm  
Provides extended transfer nose for interfacing with large rollers.

## FS Idler End with Power Transfer (RIGHT)

### FSIE-A65PT-R

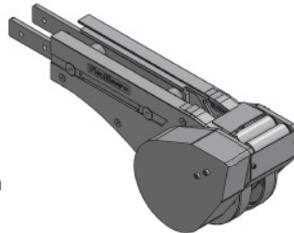
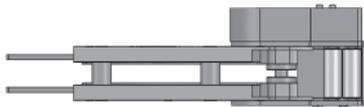


**UOM: pc**

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

## FS Idler End Driven Transfer Bridge (LEFT)

### FSIE-A65DB-L

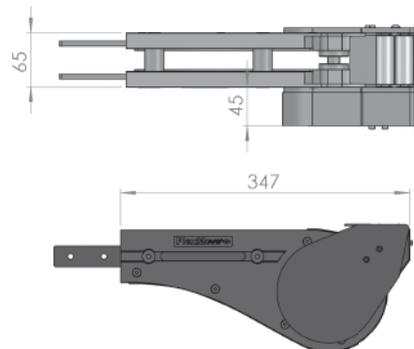


Minimum product length for inline transfer = 100 mm  
Transfer extends past conveyor only 27 mm

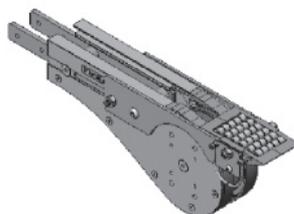
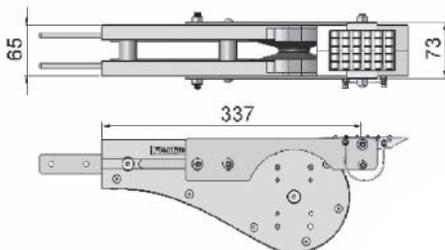
**UOM: pc**

## FS Direct Drive Driven Transfer Bridge (RIGHT)

### FSIE-A65DB-R



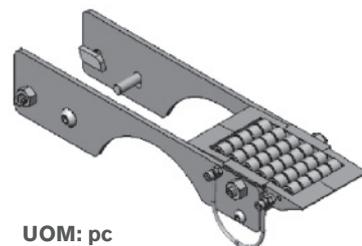
## FS Idler Free Roller Transfer Bridge



Roller transfer bridge is sold separately.

## FSTB-A65

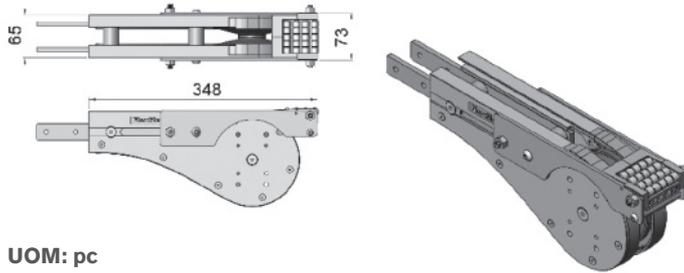
Transfer bridge c/w roller for FSIE-A65, FSDD-A65-XDY and FSDD-A65GP-XDY



**UOM: pc**

SEW gearmotors are products of SEW Eurodrive

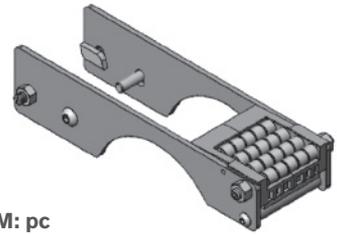
## FS Idler End Free Roller Bridge



UOM: pc

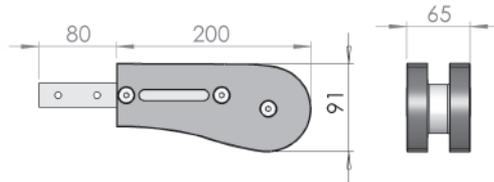
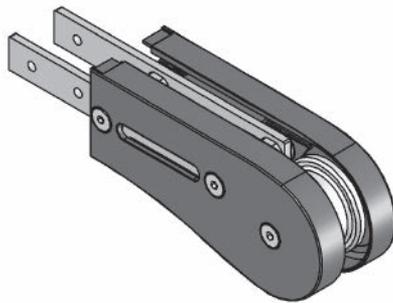
## FSEB-A65

End transfer bridge c/w roller for FSIE-A65, FSDD-A65-XDY and FSDD-A65GP-XDY



UOM: pc

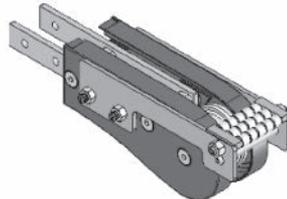
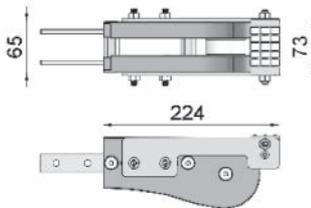
## FS Idler End-200 FSIE-200



UOM: pc  
Chain required 2-way: 0.7 meter  
Slide rail required 2-way: 0

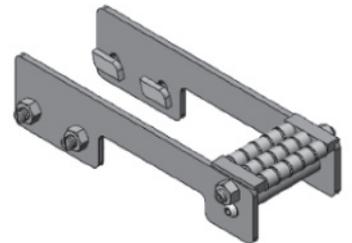
## FS Idler-200 End Free Roller Bridge

Roller transfer bridge is sold separately.



## FSEB-A65-200

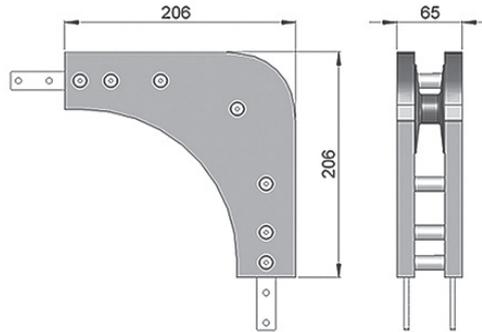
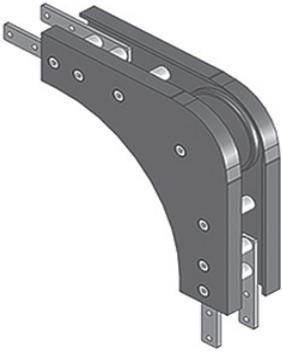
End transfer bridge c/w roller for FSIE-200



UOM: pc

## FS Idler Bend

FSIB-206



**UOM:** pc

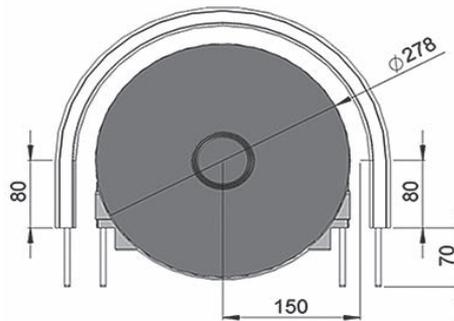
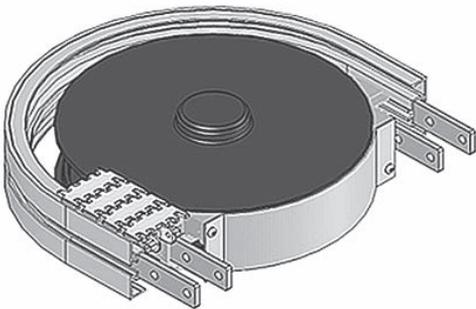
Chain required 1-way: 0.6 meter

Slide rail: 0 meter

**Note:** Cannot be used with return chain

## FS Wheel Bend 180°

FSWB-180R150A



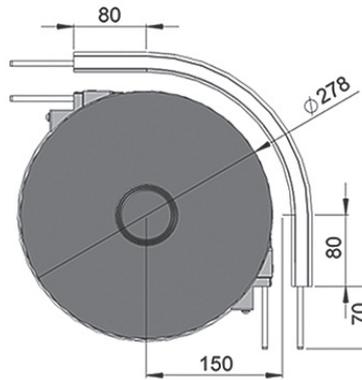
**UOM:** pc

Chain required 2-way: 1.3 meter

Slide rail required 2-way: 1.3 meter

## FS Wheel Bend 90°

FSWB-90R150A



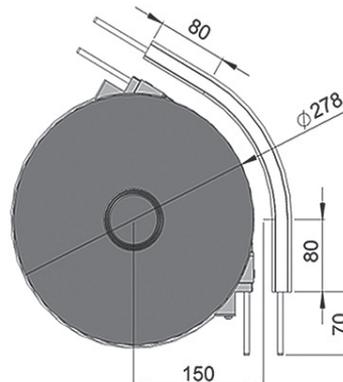
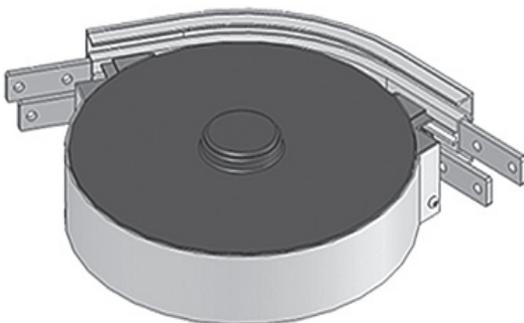
**UOM:** pc

Chain required 2-way: 0.8 meter

Slide rail required 2-way: 0.8 meter

## FS Wheel Bend 60°

FSWB-60R150A



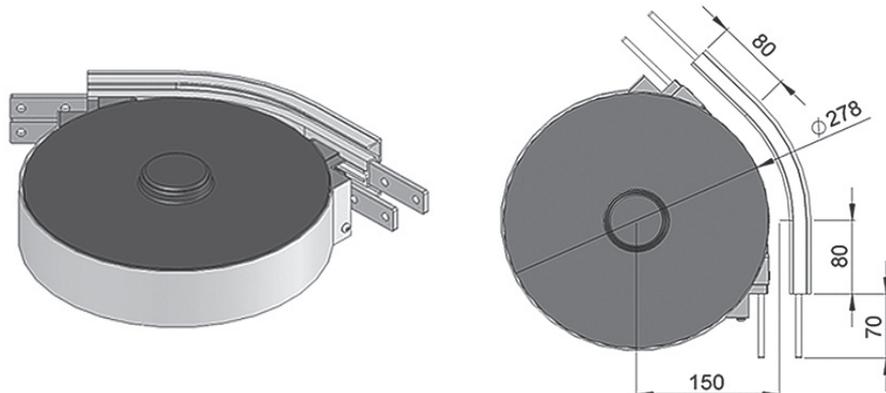
**UOM:** pc

Chain required 2-way: 0.6 meter

Slide rail required 2-way: 0.6 meter

## FS Wheel Bend 45°

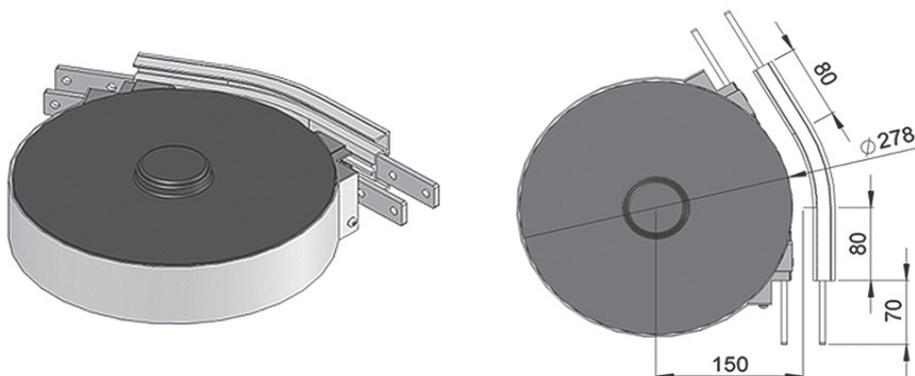
FSWB-45R150A



**UOM: pc**  
 Chain required 2-way: 0.6 meter  
 Slide rail required 2-way: 0.6 meter

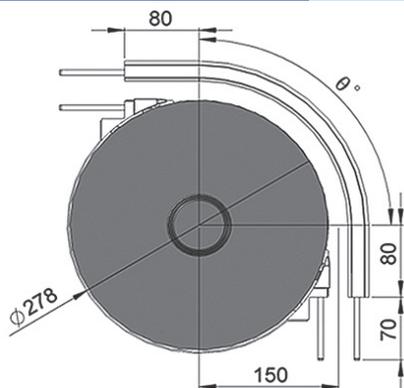
## FS Wheel Bend 30°

FSWB-30R150A



**UOM: pc**  
 Chain required 2-way: 0.5 meter  
 Slide rail required 2-way: 0.5 meter

## FS Wheel Bend 5° - 180°



### Example for FS Wheel Bend Ordering

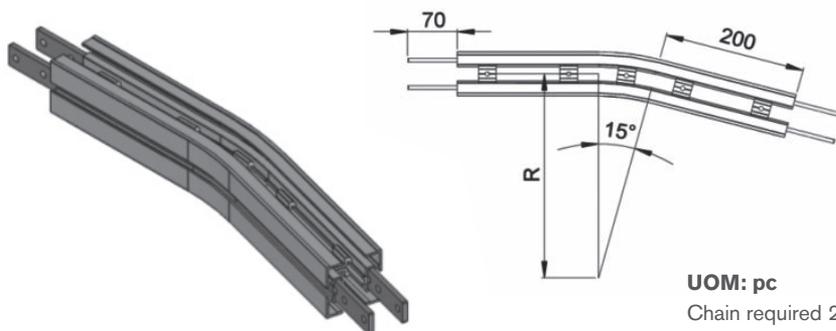
- Wheel bend,  $\text{Ø}^\circ \pm 1^\circ$
- FSWB- $\text{Ø}^\circ\text{R}150\text{A}$

If an angle of 65° is needed for wheel bend, the ordering part number is

**FSWB-65R150A**

*The outer bend is assembled using connecting strip (FACS-25x140A). Angle of  $\text{Ø}^\circ$  must be indicated when ordering.*

## FS Horizontal Plain Bend 15°



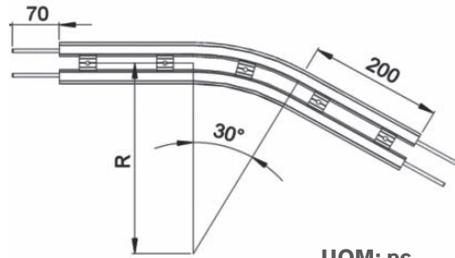
### Horizontal plain bend, 15° ± 1°

R = 300 ± 10 mm	<b>FSHB-15R300</b>
R = 500 ± 10 mm	<b>FSHB-15R500</b>
R = 700 ± 10 mm	<b>FSHB-15R700</b>
R = 1000 ± 10 mm	<b>FSHB-15R1000</b>

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1, 1.1, 1.2, 1.3 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 1.9, 2.1, 2.3, 2.6 meter

**FS Horizontal Plain Bend 30°**



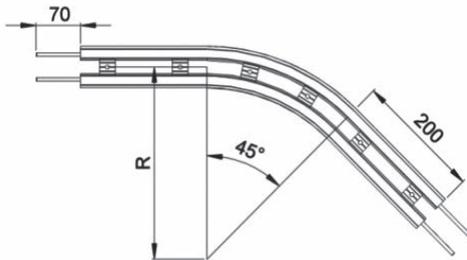
**Horizontal plain bend, 30° ± 1°**

- R = 300 ± 10 mm      **FSHB-30R300**
- R = 500 ± 10 mm      **FSHB-30R500**
- R = 700 ± 10 mm      **FSHB-30R700**
- R = 1000 ± 10 mm     **FSHB-30R1000**

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1.1, 1.3, 1.5, 1.8 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 2.2, 2.6, 3.1, 3.7 meter

**FS Horizontal Plain Bend 45°**



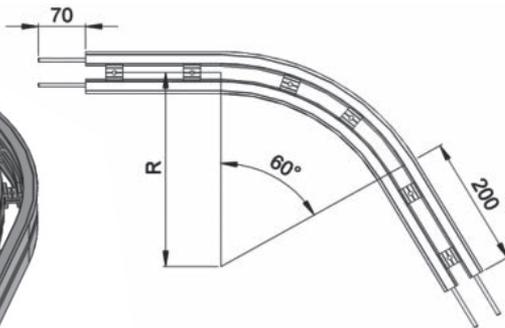
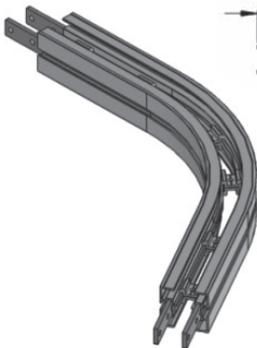
**Horizontal plain bend, 45° ± 1°**

- R = 300 ± 10 mm      **FSHB-45R300**
- R = 500 ± 10 mm      **FSHB-45R500**
- R = 700 ± 10 mm      **FSHB-45R700**
- R = 1000 ± 10 mm     **FSHB-45R1000**

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1.3, 1.6, 1.9, 2.4 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 2.5, 3.2, 3.8, 4.7 meter

**FS Horizontal Plain Bend 60°**



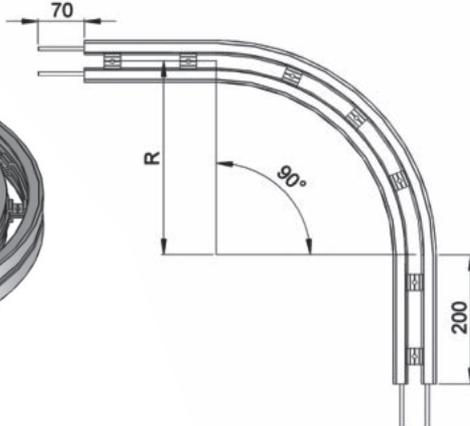
**Horizontal plain bend, 60° ± 1°**

- R = 300 ± 10 mm      **FSHB-60R300**
- R = 500 ± 10 mm      **FSHB-60R500**
- R = 700 ± 10 mm      **FSHB-60R700**
- R = 1000 ± 10 mm     **FSHB-60R1000**

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1.4, 1.8, 2.3, 2.9 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 2.9, 3.7, 4.5, 5.8 meter

**FS Horizontal Plain Bend 90°**



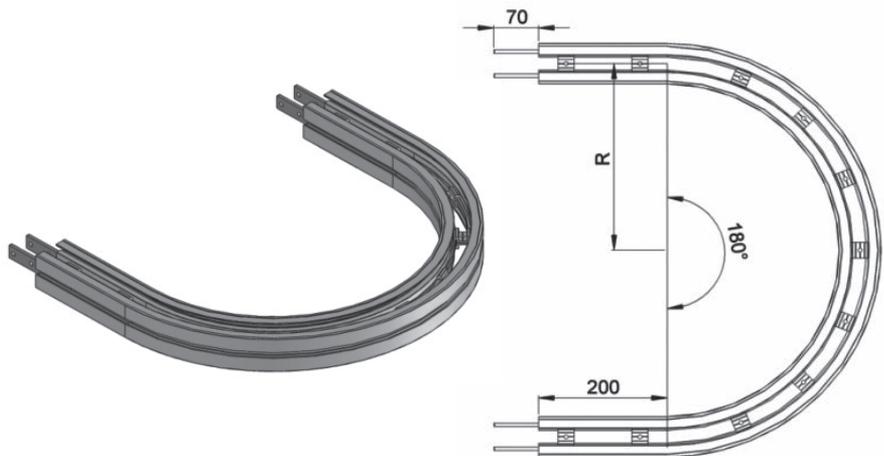
**Horizontal plain bend, 90° ± 1°**

- R = 300 ± 10 mm      **FSHB-90R300**
- R = 500 ± 10 mm      **FSHB-90R500**
- R = 700 ± 10 mm      **FSHB-90R700**
- R = 1000 ± 10 mm     **FSHB-90R1000**

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1.7, 2.4, 3.0, 3.9 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 3.5, 4.7, 6.0, 7.9 meter

## FS Horizontal Plain Bend 180°



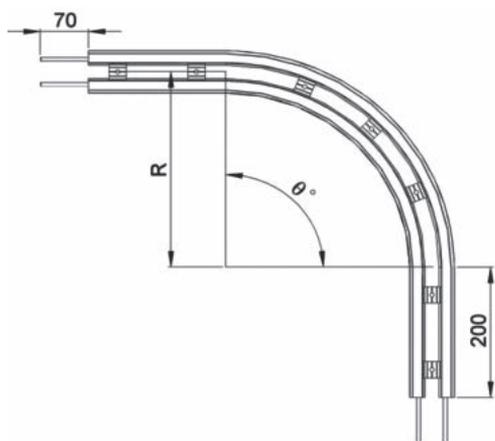
### Horizontal plain bend, 180° ± 1°

R = 300 ± 10 mm	<b>FSHB-180R300</b>
R = 500 ± 10 mm	<b>FSHB-180R500</b>
R = 700 ± 10 mm	<b>FSHB-180R700</b>
R = 1000 ± 10 mm	<b>FSHB-180R1000</b>

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 2.7, 3.9, 5.2, 7.1 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 5.4, 7.9, 10.4, 14.2 meter

## FS Horizontal Plain Bend 5° - 180°



### Example for FS Horizontal Plain Bend Ordering

#### Horizontal plain bend, θ° ± 1°

R = 300 ± 10 mm	<b>FSHB- θ°300</b>
R = 500 ± 10 mm	<b>FSHB- θ°500</b>
R = 700 ± 10 mm	<b>FSHB- θ°700</b>
R = 1000 ± 10 mm	<b>FSHB- θ°1000</b>

If an angle of 120° is needed for radius R500 horizontal plain bend, the ordering part number is

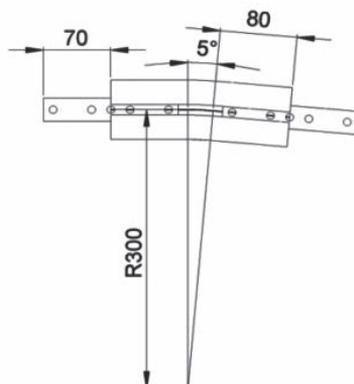
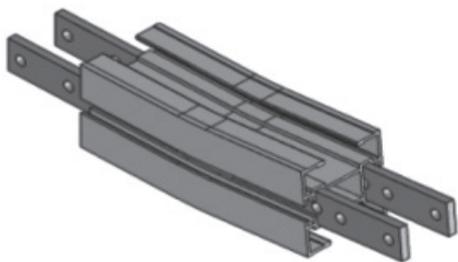
### **FSHB-120R500**

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): meter (Variable to angle)  
 Slide rail required 2-way (300, 500, 700, 1000): meter (Variable to angle)

## FS Vertical Bend 5°

**FSVB-5R300**

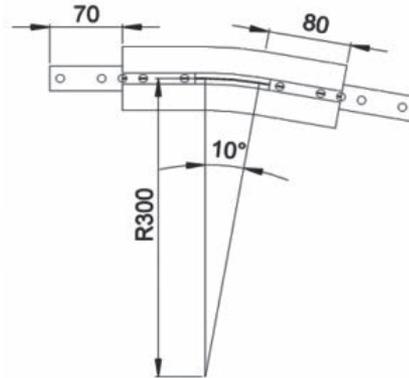
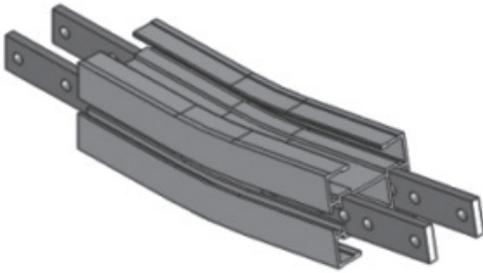


**UOM: pc**

Chain required 2-way: 0.4 meter  
 Slide rail required 2-way: 0.7 meter

**FS Vertical Bend 10°**

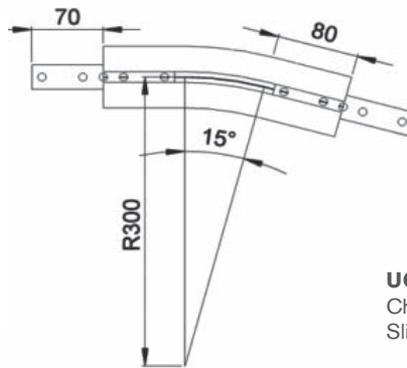
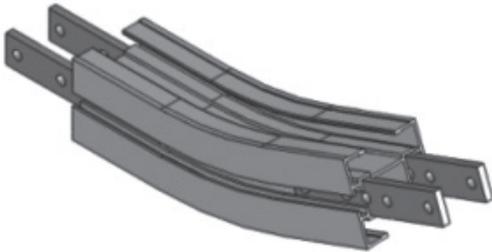
FSVB-10R300



**UOM: pc**  
 Chain required 2-way: 0.4 meter  
 Slide rail required 2-way: 0.8 meter

**FS Vertical Bend 15°**

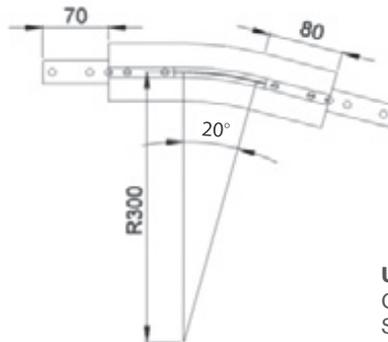
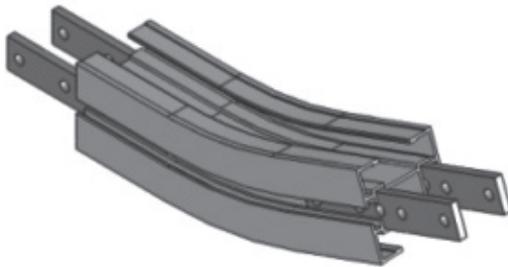
FSVB-15R300



**UOM: pc**  
 Chain required 2-way: 0.5 meter  
 Slide rail required 2-way: 1.0 meter

**FS Vertical Bend 20°**

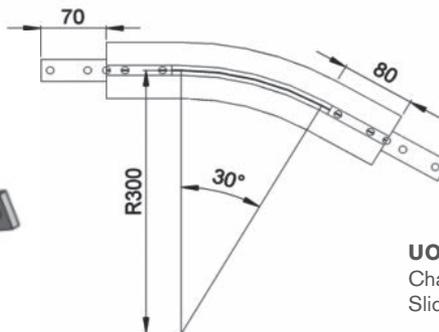
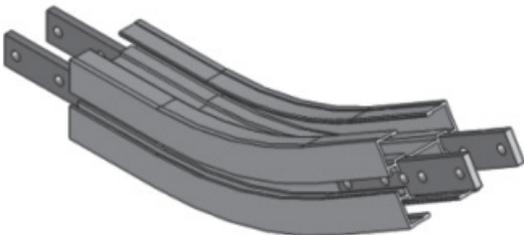
FSVB-20R300



**UOM: pc**  
 Chain required 2-way: 0.5 meter  
 Slide rail required 2-way: 1.1 meter

**FS Vertical Bend 30°**

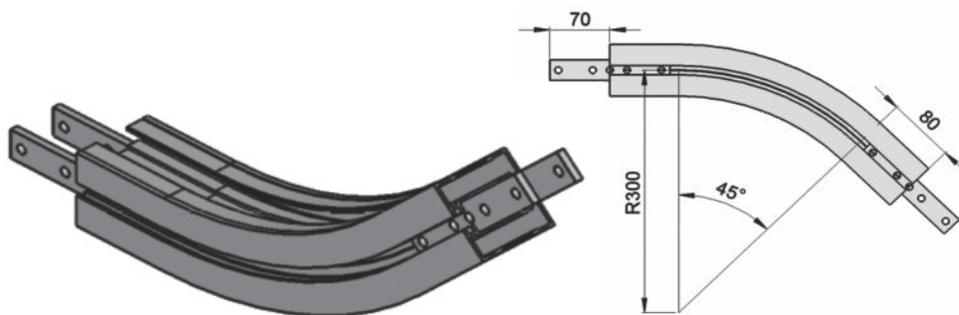
FSVB-30R300



**UOM: pc**  
 Chain required 2-way: 0.6 meter  
 Slide rail required 2-way: 1.3 meter

## FS Vertical Bend 45°

FSVB-45R300

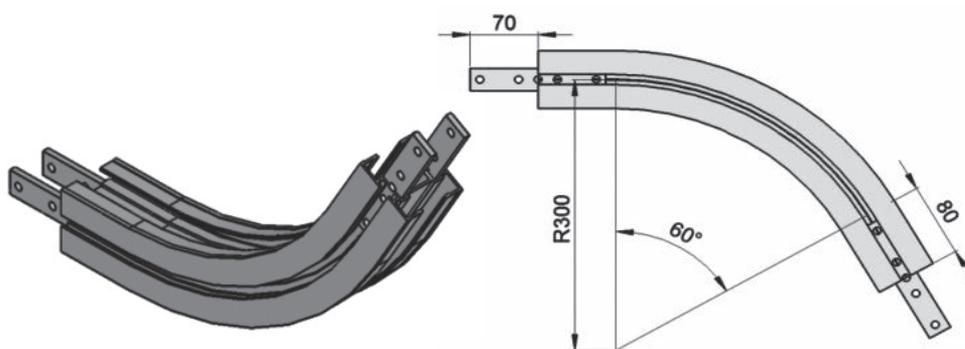


**UOM: pc**

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 1.6 meter

## FS Vertical Bend 60°

FSVB-60R300

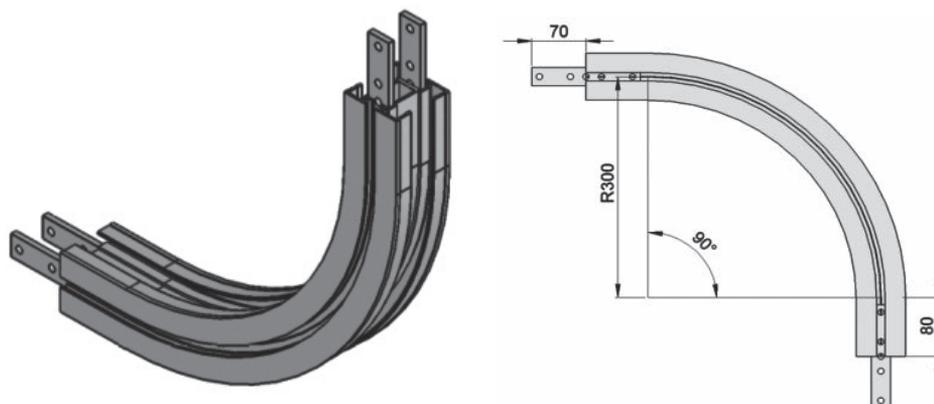


**UOM: pc**

Chain required 2-way: 0.9 meter  
Slide rail required 2-way: 1.9 meter

## FS Vertical Bend 90°

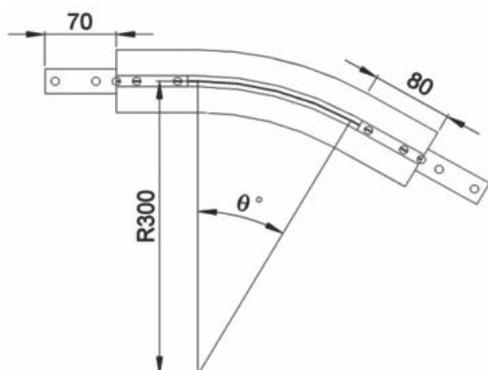
FSVB-90R300



**UOM: pc**

Chain required 2-way: 1.3 meter  
Slide rail required 2-way: 2.5 meter

## FS Vertical Bend 5° - 90°



### Example for FS Vertical Bend Ordering

- Vertical bend,  $\varnothing^\circ \pm 1^\circ$
- FSVB- $\varnothing^\circ$ R300

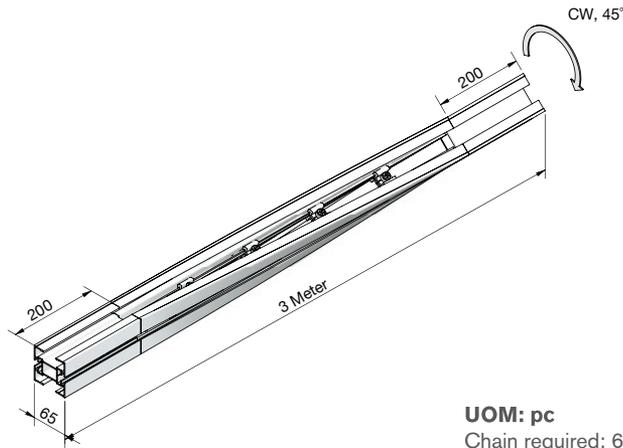
If an angle of 65° is needed for vertical bend, the ordering part number is

### FSVB-65R300

*The outer bend is assembled using connecting strip (FACS-25x140A). Angle of  $\varnothing^\circ$  must be indicated when ordering.*

## FS 45 Degree Twist Conveyor Beam (Clockwise)

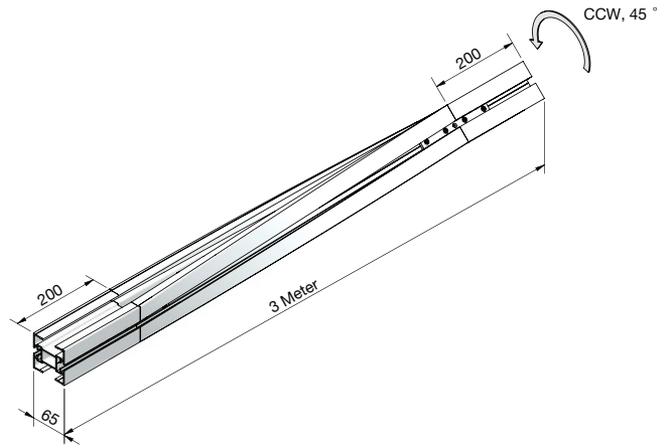
FSTB-CW45x3000



**UOM: pc**  
Chain required: 6 meter  
Slide rail required: 12 meter

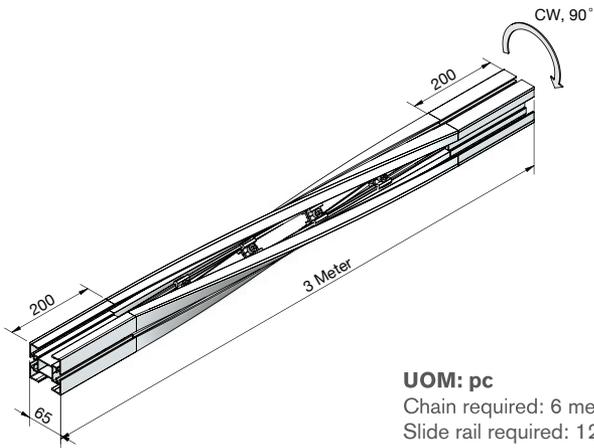
## FS 45 Degree Twist Conveyor Beam (Counter-Clockwise)

FSTB-CCW45x3000



## FS 90 Degree Twist Conveyor Beam (Clockwise)

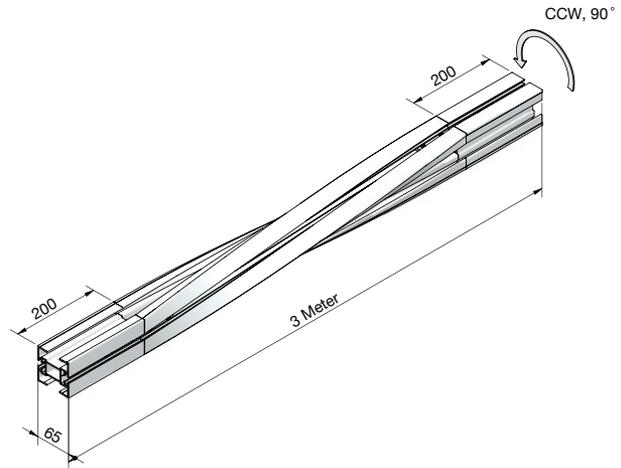
FSTB-CW90x3000



**UOM: pc**  
Chain required: 6 meter  
Slide rail required: 12 meter

## FS 90 Degree Twist Conveyor Beam (Counter-Clockwise)

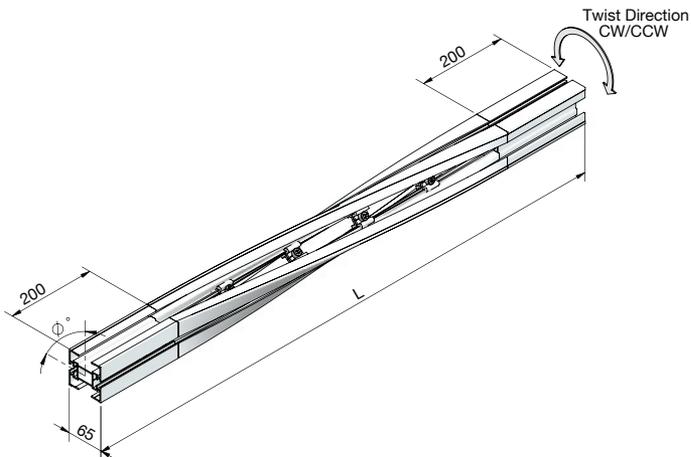
FSTB-CCW90x3000



## FS Twist Conveyor Beam 15° - 90°

FSTB-AAABx3000

Where AAA = CW or CCW, BB = Angle



### Example for FS Twist Conveyor Beam Ordering

- Twist Conveyor Beam,  $\varnothing^\circ \pm 5^\circ$

If an angle of  $30^\circ$  is needed for twist beam, in clockwise direction and length 3.0 m, the ordering part number is

**FSTB-CW30x3000**

Angle of  $\varnothing^\circ$ , twist direction, and length L, must be indicated when ordering.

**UOM: pc**  
Chain required: 6 meter  
Slide rail required: 12 meter

Variety of chain type suitable for wide range of applications either horizontal or vertical product transportation. Higher capacity than FK and FS. The maximum product width to be conveyed can be referred to guide rail assembly pages.

**FM Series Characteristic**

**Beam Width:** 85 mm

**Product Width:** Refer to Guide Rail Assembly

**Accessories Needed**

**Slide Rail Required:** FASR-25 OR FASR-25U

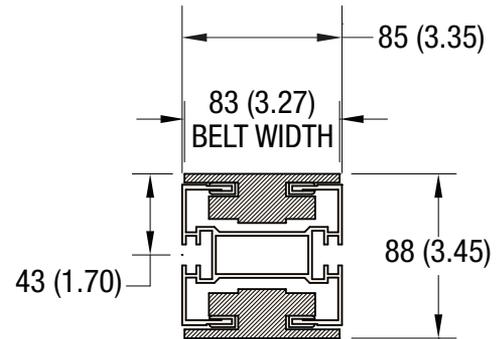
**Slide Rail Color:** White or Natural Color

**Slide Rail Material:** HDPE OR UHMW-PE

**Slide Rail Rivet & Screw:** FASLR-4X6 or FASLS-M5

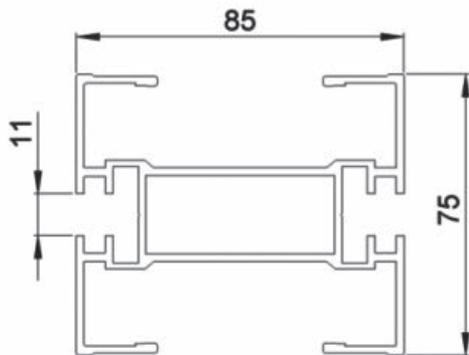
Connecting strip is used to connect two beams.

**Connecting Strip:** FACS-25x140A

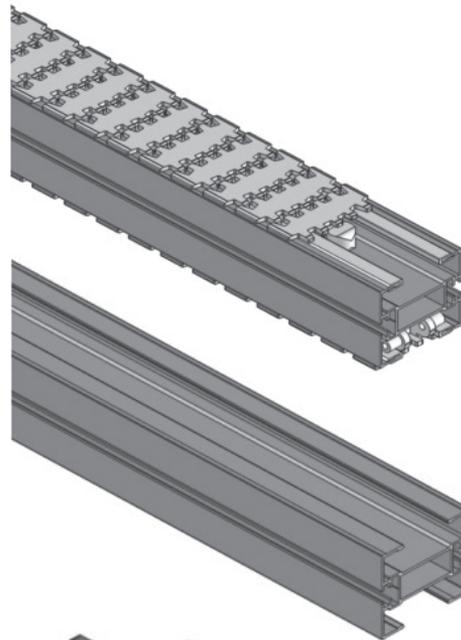


**85 MM WIDTH**

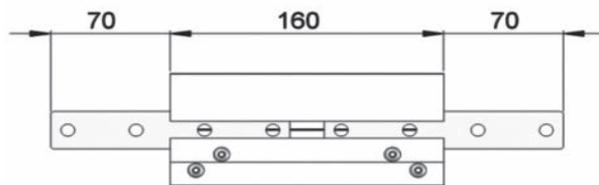
**Conveyor Beam FMCB-3**



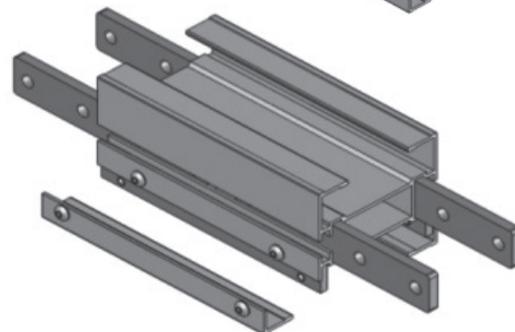
UOM: 3 Meter / Length



**Chain Connecting Module FMCC-160**



UOM: pc



### Chain Common Data

**Packaging:** 5 m per box

**Pitch:** 33.5 mm

**Width:** 83 mm

Tensile Strength at 20°C: 6000N

**Color:** White & Black (Conductive)

### Material:

**Chain:** White Acetal / POM

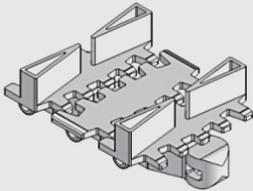
**Pivot:** Polyamide

**Pivot Pin:** Stainless Steel

**Insert (Wedge & Friction):** TPE Grey

### Example for FMCT-5A17-L#

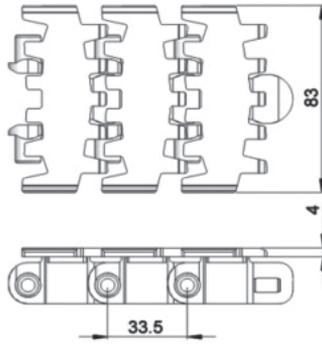
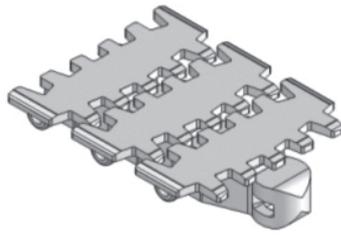
# = 1 cleated top chain with alternate of # link of plain chain



The above chain is FMCT-5A17-L1, 1 link cleated top chain with alternate of 1 link of plain chain.

**Note:** # = 1, 2, 3, 4, 5.....20

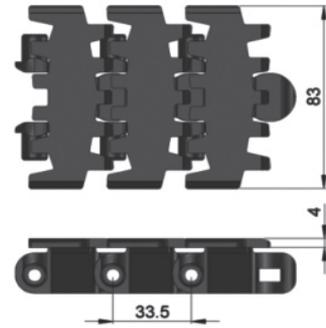
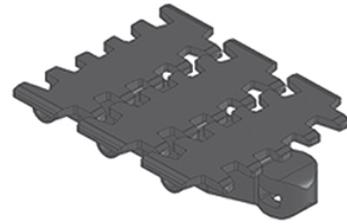
### Standard Plain Chain FMPC-5



**UOM:** 5 Meter / box

Application: Suitable for horizontal and slope < 5° transport of products with accumulation.

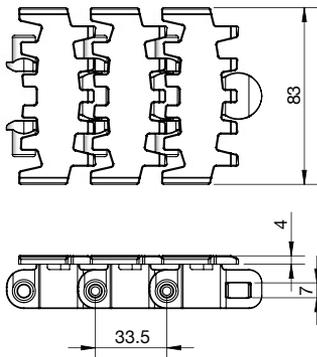
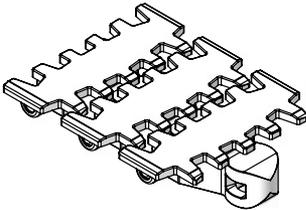
### Conductive Chain FMPC-5CD



**UOM:** 5 Meter / box

Application: Suitable for transport of static sensitive product.

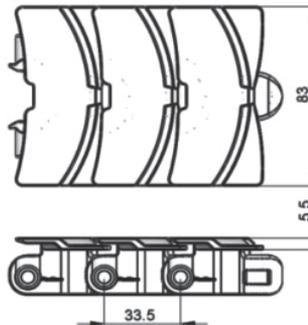
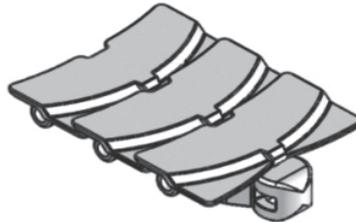
### Twist Chain FMPC-5M



**UOM:** 5 Meter / box

Application: Suitable twist conveyor beam; horizontal and slope < 5° transport of products with accumulation

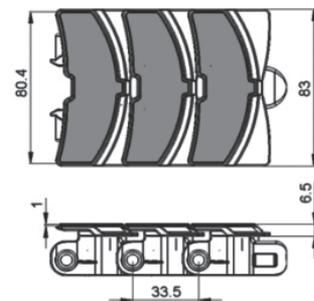
### Safety Chain FMPC-5V



**UOM:** 5 Meter / box

Application: (Safety Chain) Suitable for horizontal and slope < 5° transport of products with accumulation

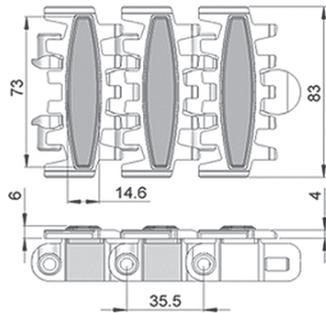
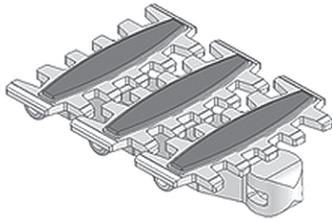
### Safety Chain Friction Top FMFT-5V-A



**UOM:** 5 Meter / box

Application: (Safety Chain) Suitable for transport product in slope > 5° but ~ 30° without accumulation.

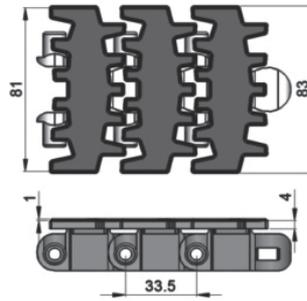
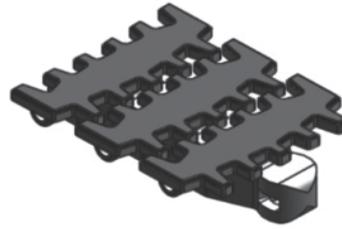
## Friction Top Chain **FMFT-5**



**UOM: 5 Meter / box**

Application: Suitable for transport product in slope  $> 5^\circ$  but  $\sim 30^\circ$  without accumulation.

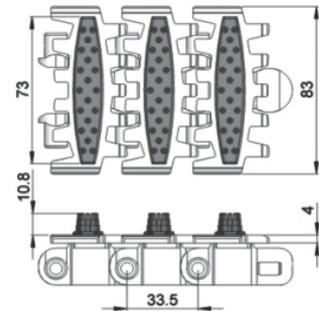
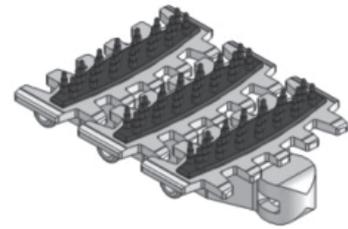
## Friction Top Chain **FMFT-5A**



**UOM: 5 Meter / box**

Application: Suitable for transport product in slope  $> 5^\circ$  but  $\sim 30^\circ$  without accumulation.

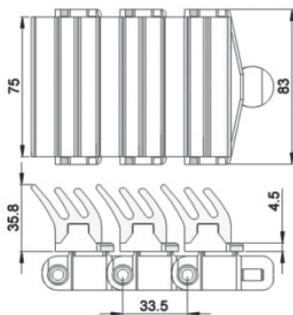
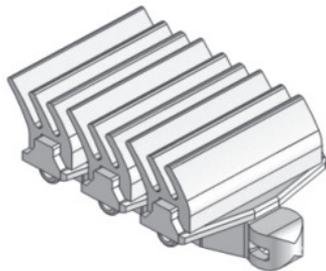
## Wedge Top Chain **FMWT-5A**



**UOM: 5 Meter / box**

Application: Vertical Wedge transportation of products.

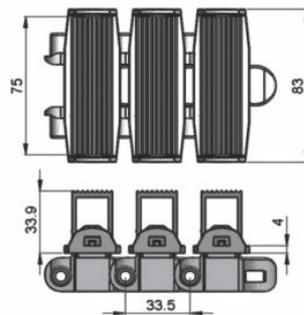
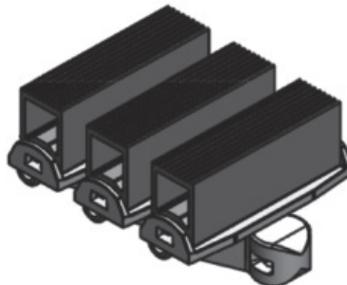
## Wedge Top Chain **FMWT-5B**



**UOM: 5 Meter / box**

Application: Vertical Wedge transportation of products (Heavy Duty)

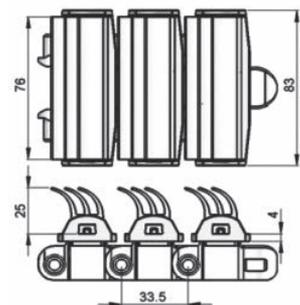
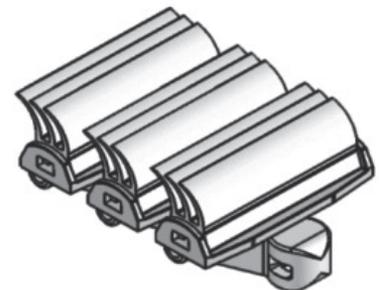
## Wedge Top Chain **FMWT-5C**



**UOM: 5 Meter / box**

Application: Vertical Wedge transportation of products (Heavy Duty)

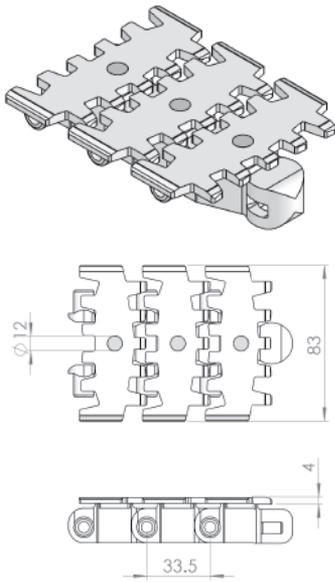
## Wedge Top Chain **FMWT-5D**



**UOM: 5 Meter / box**

Application: Vertical Wedge transportation of products.

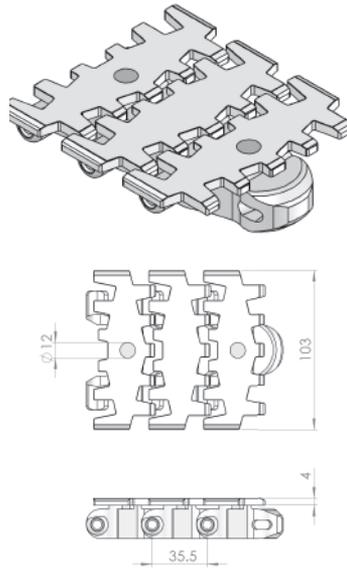
## Magnet Top Chain **FMMT-5**



**UOM: 5 Meter / box**

Application: Suitable for conveying of ferromagnetic products in slope.

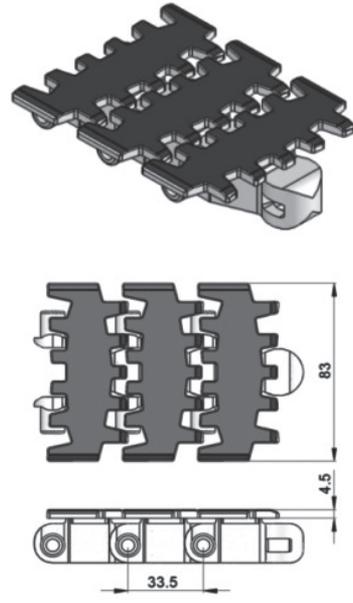
## Magnet Top Chain **FMMT-5-L#**



**UOM: 5 Meter / box**

Application: Suitable for conveying of ferromagnetic products in slope.

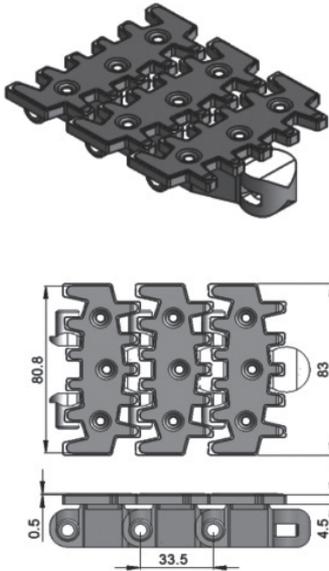
## Flocked Chain **FMFK-5**



**UOM: 5 Meter / box**

Application: Suitable to transport lightweight, fragile and scratch sensitive product.

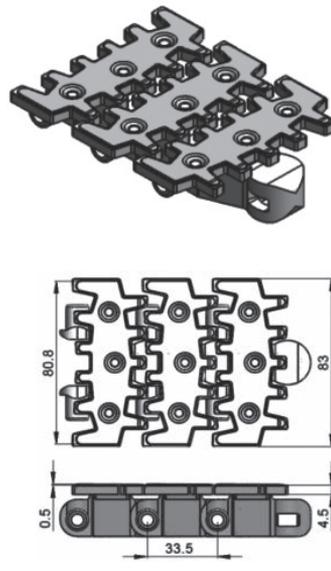
## Hardened Steel Top Chain **FMST-5**



**UOM: 5 Meter / box**

Application: Suitable to transport metal products in accumulation.

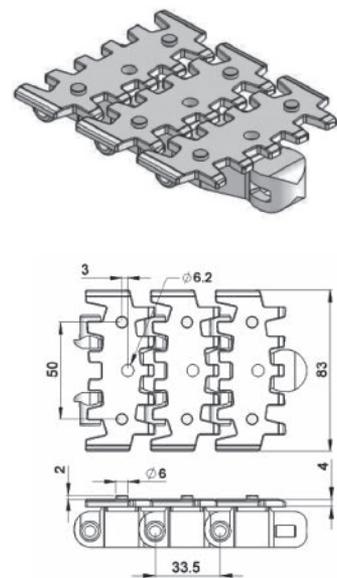
## Stainless Steel Top Chain **FMST-5S**



**UOM: 5 Meter / box**

Application: Suitable to transport metal products in accumulation.

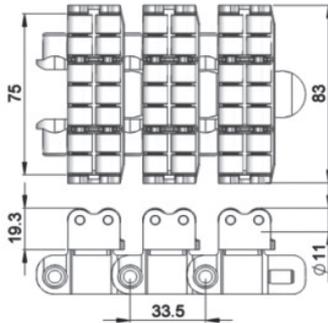
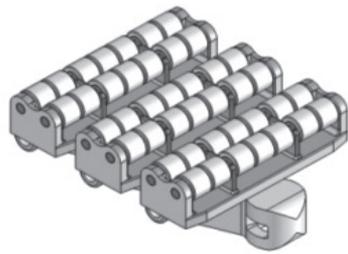
## Universal Chain **FMUC-5**



**UOM: 5 Meter / box**

Application: Universal Link with M6 Nut, Suitable for attached customer cleat or fixture.

## Roller Top Chain **FMRT-5**

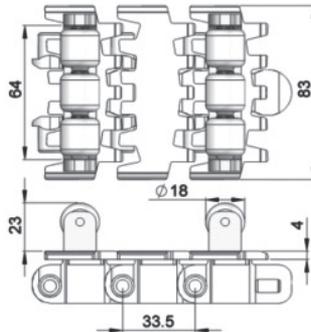
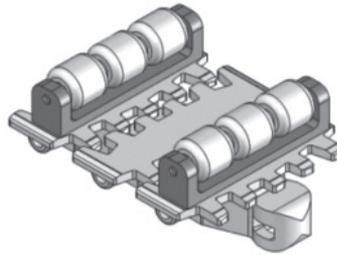


**UOM: 5 Meter / box**

Application: Suitable for accumulation of product with low friction and pressure.

## Roller Cleat Chain **FMRC-5A-L#**

# = 1, 2, 3, 4, 5.....20

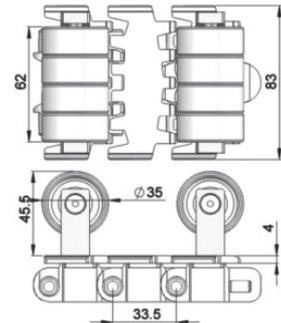
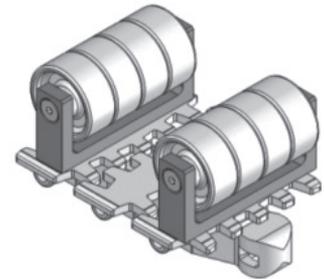


**UOM: 5 Meter / box**

Application: Suitable for vertical transportation of product in slope with no accumulation.

## Roller Cleat Chain **FMRC-5B-L#**

# = 1, 2, 3, 4, 5.....20

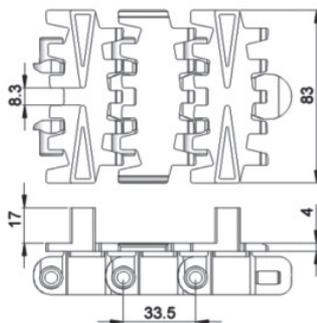
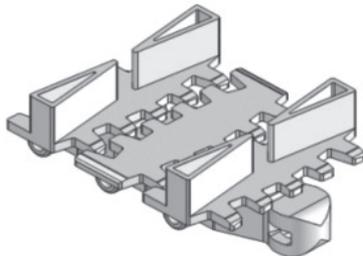


**UOM: 5 Meter / box**

Application: Suitable for vertical transportation of product in slope with no accumulation.

## Cleat Top Chain **FMCT-5A17-L#**

# = 1, 2, 3, 4, 5.....20

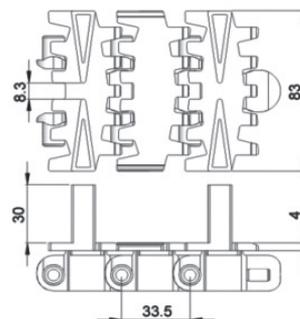
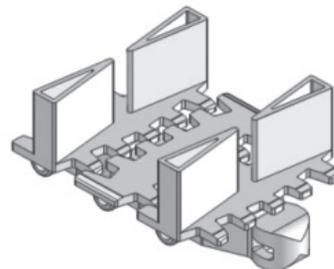


**UOM: 5 Meter / box**

Application: Suitable for vertical transport of product with no accumulation.

## Cleat Top Chain **FMCT-5A30-L#**

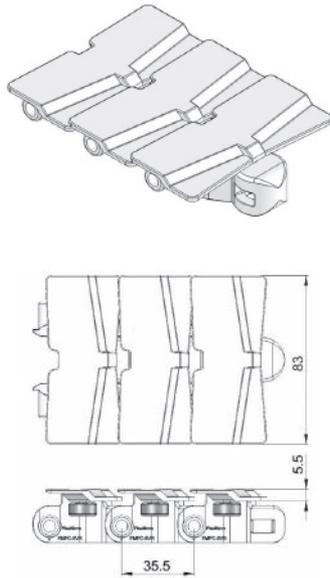
# = 1, 2, 3, 4, 5.....20



**UOM: 5 Meter / box**

Application: Suitable for vertical transport of product with no accumulation.

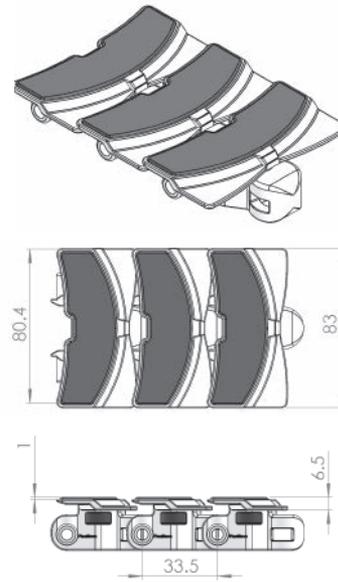
## Safety Chain with rollers **FMPC-5VR**



**UOM: 5 Meter / box**

Application: Suitable for transport product in slope  $> 5^\circ$  but  $\leq 30^\circ$  without accumulation. (Subject to product weight and Packing)

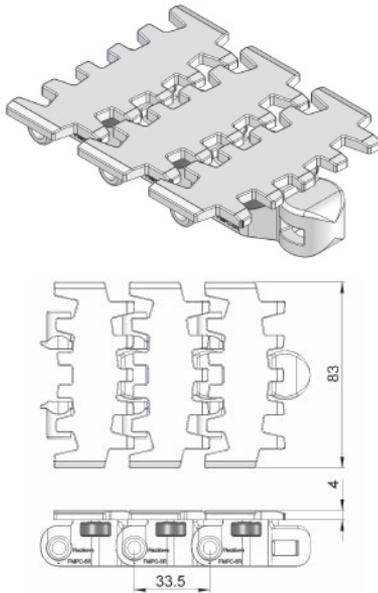
## Safety Chain Friction Top with rollers **FMFT-5VR-A**



**UOM: 5 Meter / box**

Application: Suitable for transport product in slope  $> 5^\circ$  but  $\leq 30^\circ$  without accumulation. (Subject to product weight and Packing)

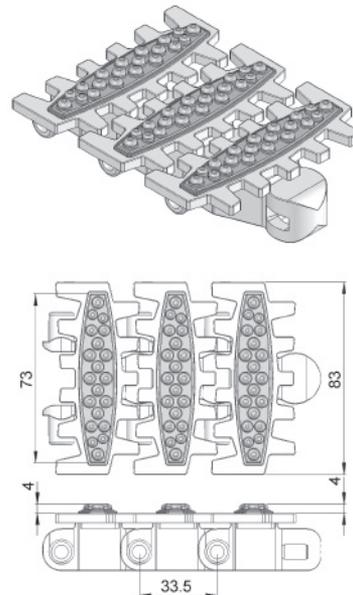
## Plain Chain with rollers **FMPC-5R**



**UOM: 5 Meter / box**

Application: Suitable for horizontal and slope  $< 5^\circ$  transport of products with accumulation.

## Friction Top Chain **FMFT-5C**

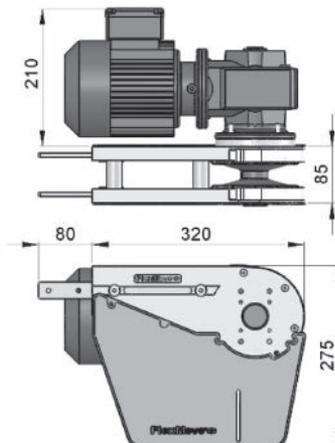
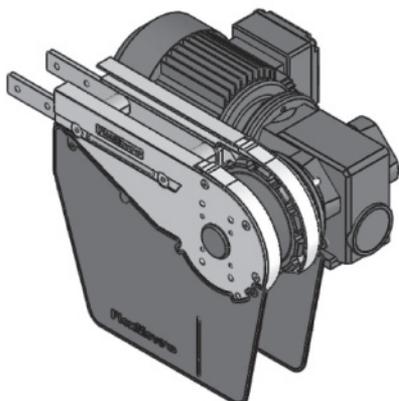


**UOM: 5 Meter / box**

Application: Suitable for transport product in slope  $> 5^\circ$  but  $\leq 35^\circ$  without accumulation. (Subject to product weight and Packing)

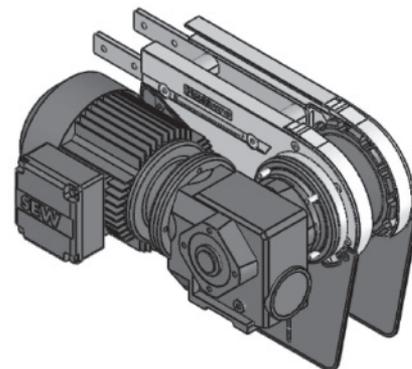
## FM Direct End Drive without Motor (LEFT)

FMDD-A85-XDY (See Chart)



## FM Direct End Drive without Motor (RIGHT)

FMDD-A85-XDY (See Chart)



Part Number		Shaft Selection	Direction	Aux Shaft Selection
FMDD-A85	-	X	D	Y
		0 = 20 mm	L = Left	Blank = No Aux Shaft
		E = 3/4 in*	R = Right	A = 20 mm Aux Shaft
		A = 20 mm Aux Only		

\*3/4 inch shaft option available in North America only.

### Max Traction Force: 1250N

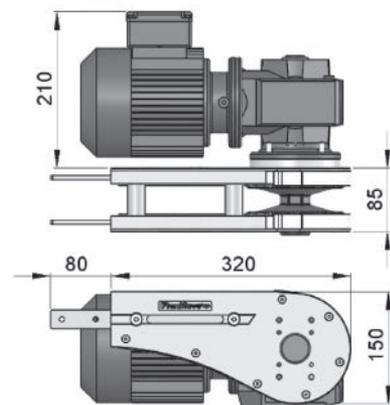
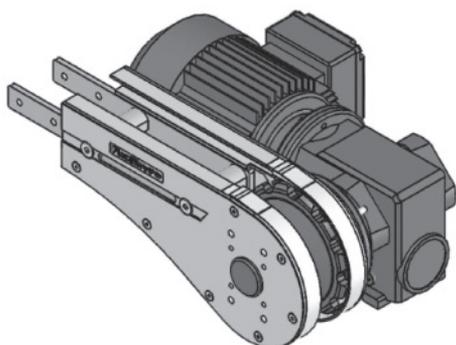
The Direct End Drive Unit is without torque limiter.

### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

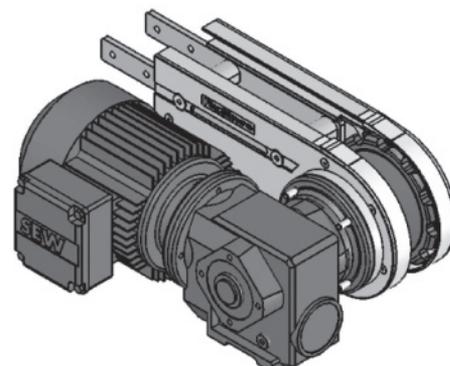
## FM Direct End Drive without Motor GP (LEFT)

FMDD-A85GP-XDY (See Chart)



## FM Direct End Drive without Motor GP (RIGHT)

FMDD-A85GP-XDY (See Chart)



Part Number		Shaft Selection	Direction	Aux Shaft Selection
FMDD-A85GP	-	X	D	Y
		0 = 20 mm	L = Left	Blank = No Aux Shaft
		E = 3/4 in*	R = Right	A = 20 mm Aux Shaft
		A = 20 mm Aux Only		

\*3/4 inch shaft option available in North America only.

### Max Traction Force: 1250N

The Direct End Drive Unit GP is without torque limiter.

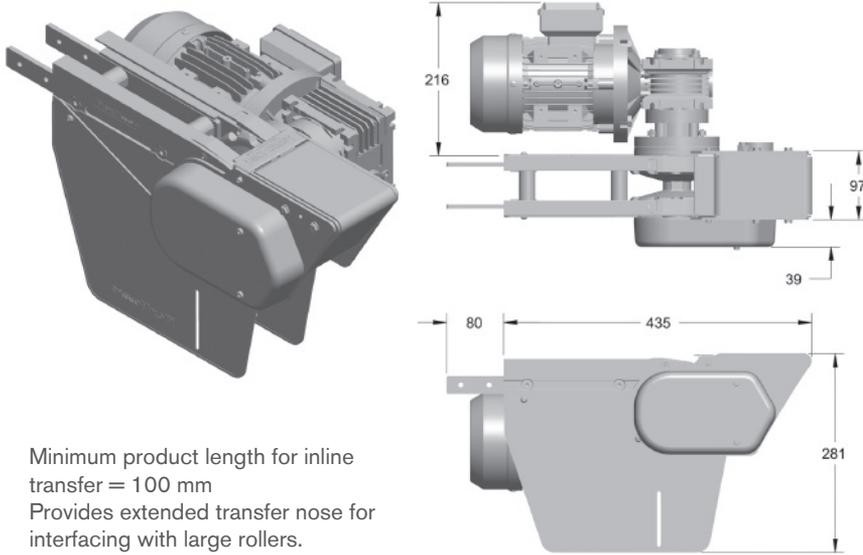
### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

SEW gearmotors are products of SEW Eurodrive

## FM Direct with Power Transfer Motor (LEFT)

FMDD-A85PT-XD (See Chart)



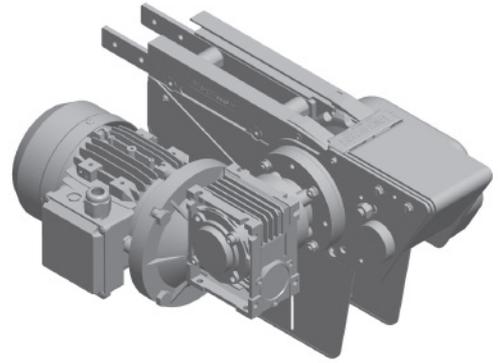
Minimum product length for inline transfer = 100 mm  
Provides extended transfer nose for interfacing with large rollers.

Part Number		Shaft Selection	Direction
FMDD-A85PT	-	X	D
		0 = 20 mm	L = Left
		E = 3/4 in*	R = Right

\*3/4 inch shaft option available in North America only.

## FM Direct with Power Transfer Motor (RIGHT)

FMDD-A85PT-XD (See Chart)



### Max Traction Force: 1250N

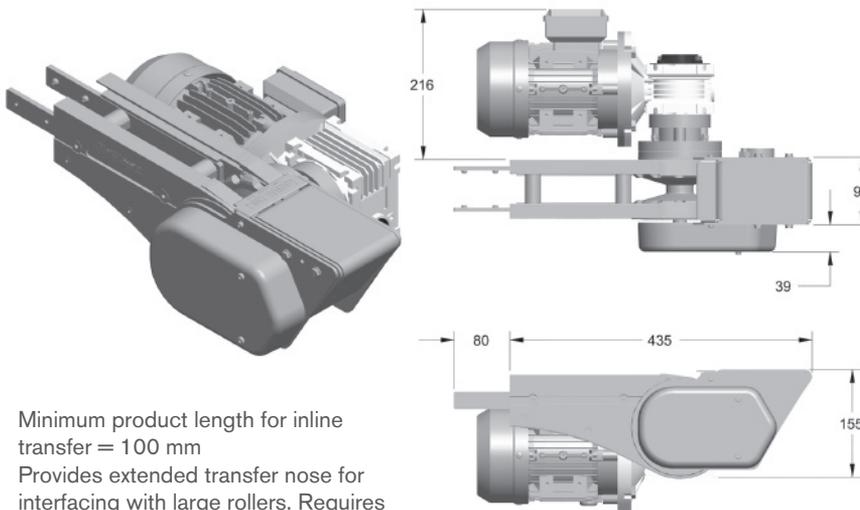
The Direct End Drive Unit is without torque limiter.

### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

## FM GP Direct with Power Transfer Motor (LEFT)

FMDD-A85GPPT-XD (See Chart)



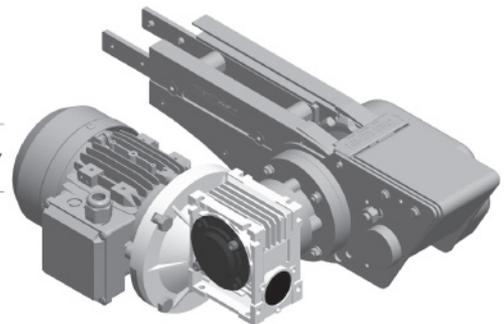
Minimum product length for inline transfer = 100 mm  
Provides extended transfer nose for interfacing with large rollers. Requires the use of connecting module for chain maintenance.

Part Number		Shaft Selection	Direction
FMDD-A85GPPT	-	X	D
		0 = 20 mm	L = Left
		E = 3/4 in*	R = Right

\*3/4 inch shaft option available in North America only.

## FM GP Direct with Power Transfer Motor (RIGHT)

FMDD-A85GPPT-XD (See Chart)



### Max Traction Force: 1250N

The Direct End Drive Unit GP is without torque limiter.

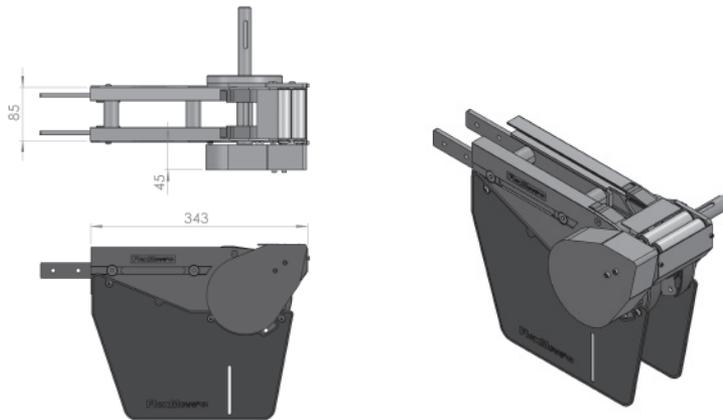
### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

SEW gearmotors are products of SEW Eurodrive

## FM Direct Drive Driven Transfer Bridge (LEFT)

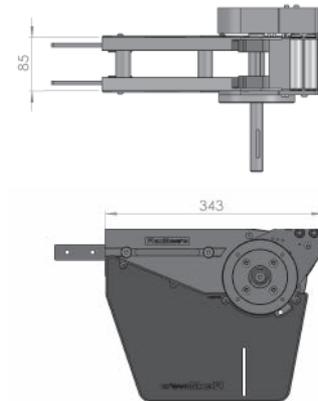
FMDD-A85DB-0L



20 mm Shaft only.  
 Minimum product length for inline transfer = 100 mm  
 Transfer extends past conveyor only 27 mm

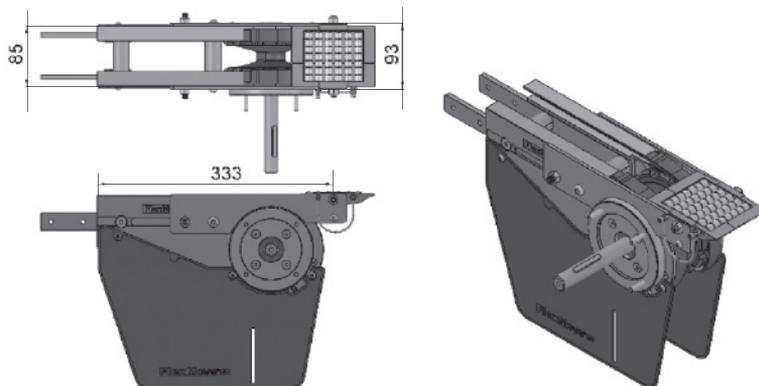
## FM Direct Drive Driven Transfer Bridge (RIGHT)

FMDD-A85DB-0R



**UOM: Unit**  
 Chain required 2-way: 0.8 meter  
 Slide rail required 2-way: 0.5 meter

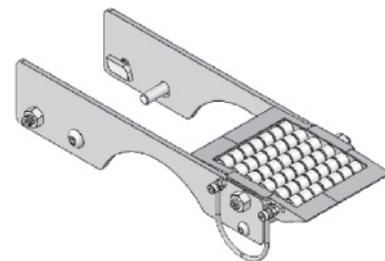
## FM Direct Drive Free Roller Transfer Bridge (LEFT/ RIGHT)



**UOM: pc**

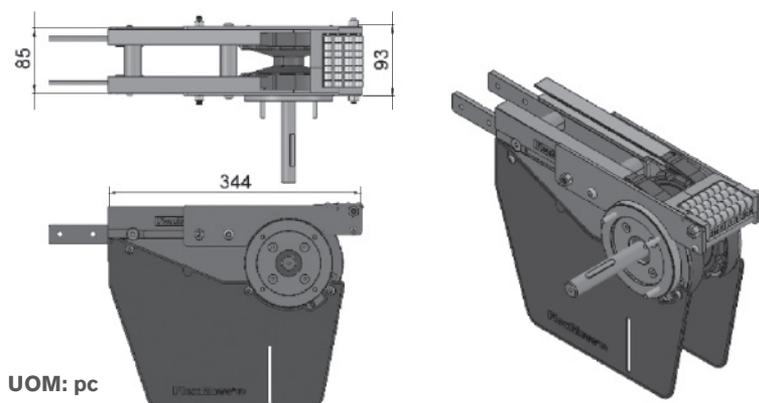
## FMTB-A85

Transfer bridge c/w roller for FMIE-A85  
 Transfer bridge c/w roller for FMDD-A85-0L  
 Transfer bridge c/w roller for FMDD-A85-0R



**UOM: pc**

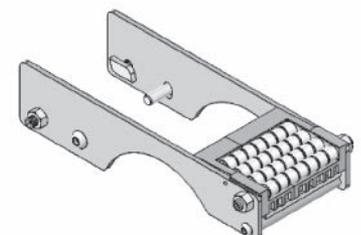
## FM Direct Drive End Free Roller Bridge (LEFT/ RIGHT)



**UOM: pc**

## FMEB-A85

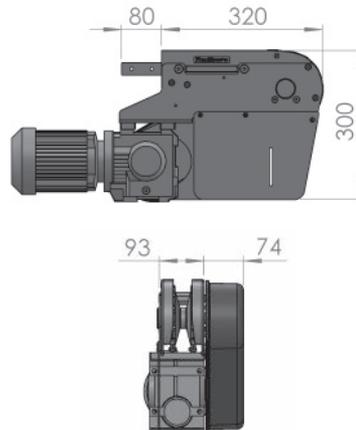
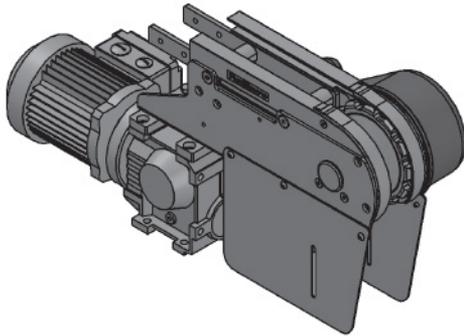
End transfer bridge c/w roller for FMIE-A85  
 End transfer bridge c/w roller for FMDD-A85-0L  
 End transfer bridge c/w roller for FMDD-A85-0R



**UOM: pc**

## FM Suspended End Drive without Motor (LEFT)

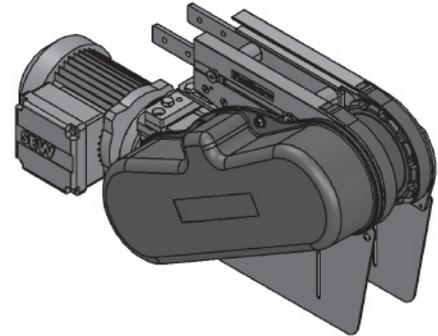
FMSD-A85-0L (with Torque Limiter)  
FMSD-A85SPT-0L (without Torque Limiter)



- Locates gearmotor below conveyor for compact applications.
- Includes torque limiter protecting chain and motor from overload.
- Chain pull capacity at 1250N for unit without torque limiter.
- Chain pull capacity at 840N for unit with torque limiter.

## FM Suspended End Drive without Motor (RIGHT)

FMSD-A85-OR (with Torque Limiter)  
FMSD-A85SPT-OR (without Torque Limiter)



### Max Traction Force:

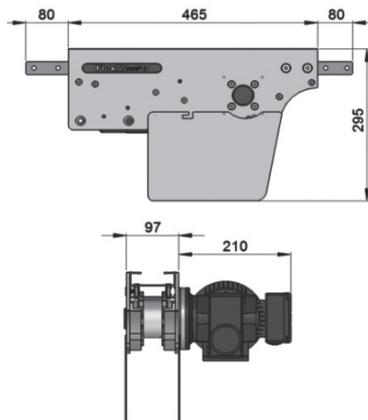
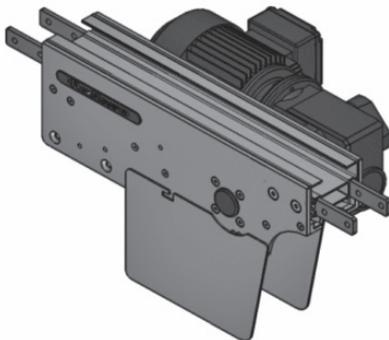
**1250N** (without limiter)  
**840N** (with limiter)

### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

## FM Direct Intermediate Drive without Motor (LEFT)

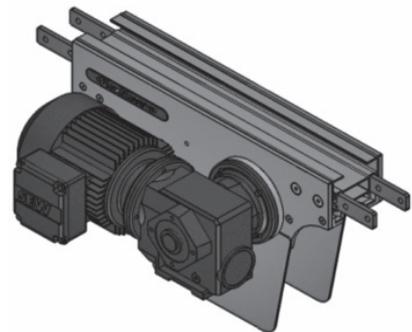
FMID-DD-0L1



- Located in middle of conveyor to free up drive end.
- Includes torque limiter protecting chain and motor from overload.
- Limits chain pull capacity at 200N.

## FM Direct Intermediate Drive without Motor (RIGHT)

FMID-DD-0R1



### Max Traction Force: 200N

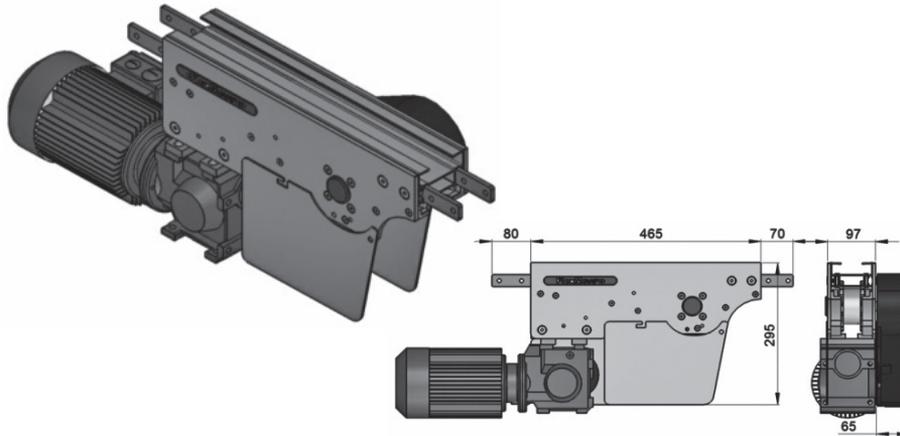
The Direct Intermediate Drive Unit is without torque limiter.

### UOM: pc

Chain required 2-way: 1.2 meter  
Slide rail required 2-way: 1.1 meter

## FM Suspended Intermediate Drive without Motor (LEFT)

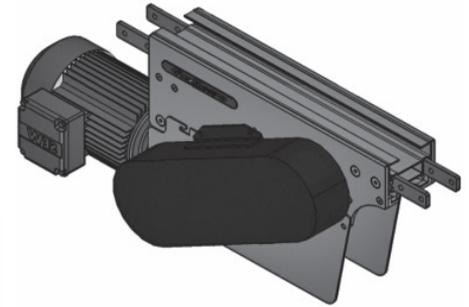
FMID-SD-0L1



- Located in middle of conveyor to free up drive end.
- Includes torque limiter protecting chain and motor from overload.
- Limits chain pull capacity at 200N.

## FM Suspended Intermediate Drive without Motor (RIGHT)

FMID-SD-0R1



### Max Traction Force: 200N

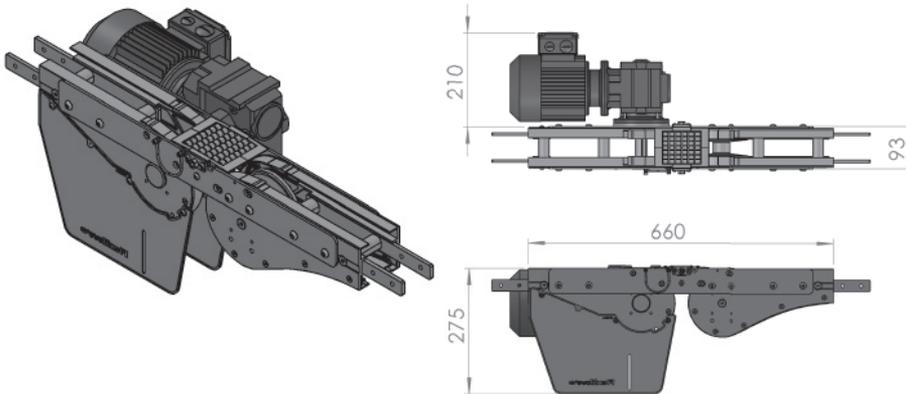
The Suspended Intermediate Drive Unit is with torque limiter.

### UOM: pc

Chain required 2-way: 1.2 meter  
Slide rail required 2-way: 1.1 meter

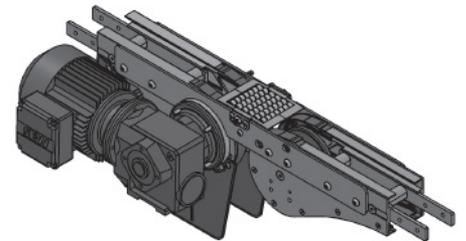
## FM Combined Direct Drive & Idler (LEFT)

FMCDI-DD-A85



## FM Combined Direct Drive & Idler (RIGHT)

FMCDI-DD-A85



### Max Traction Force: 1250N

The Combine Direct End Drive Unit is without torque limiter.

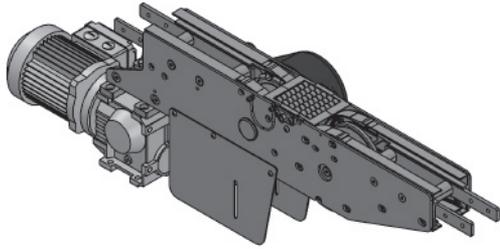
### UOM: pc

Chain required 2-way: 1.6 meter  
Slide rail required 2-way: 1.0 meter

SEW gearmotors are products of SEW Eurodrive

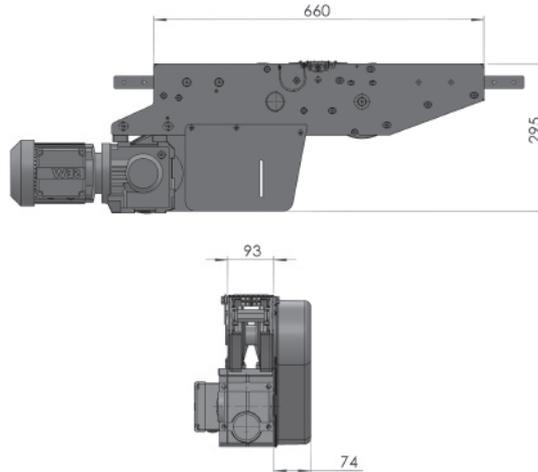
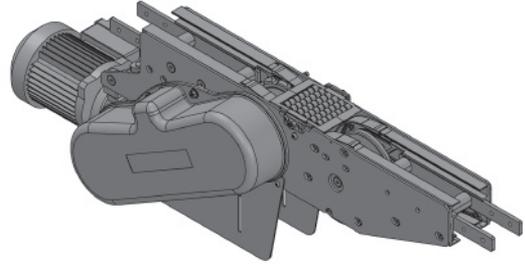
## FM Combined Suspended Drive & Idler (LEFT)

FMCDI-SD-A85



## FM Combined Suspended Drive & Idler (RIGHT)

FMCDI-SD-A85



### Max Traction Force: 840N

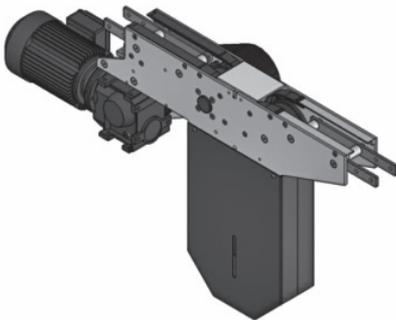
The Combine Suspended End Drive Unit is with torque limiter.

### UOM: pc

Chain required 2-way: 1.6 meter  
Slide rail required 2-way: 1.0 meter

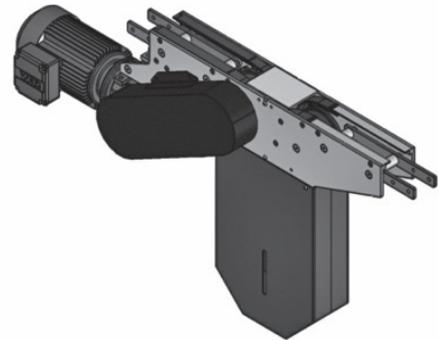
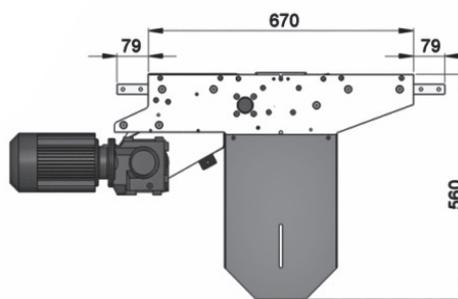
## FM Suspended Catenary Drive without Motor (LEFT)

FMCD-SD



## FM Suspended Catenary Drive without Motor (RIGHT)

FMCD-SD



### Max Traction Force: 840N

The Suspended Catenary Drive Unit is with torque limiter.

### UOM: pc

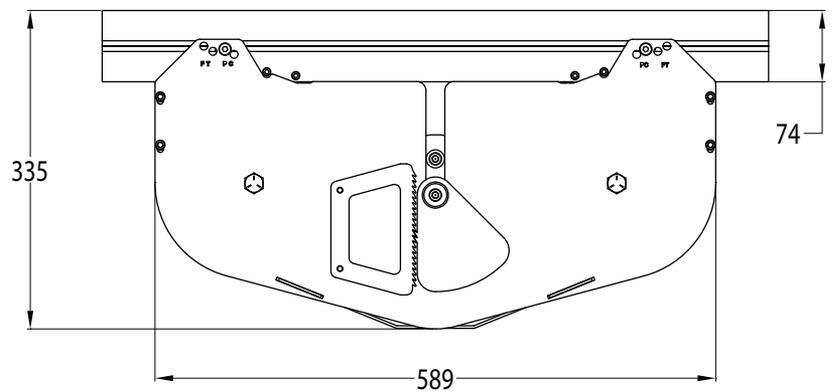
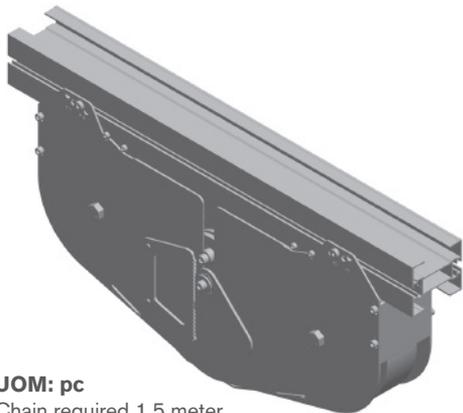
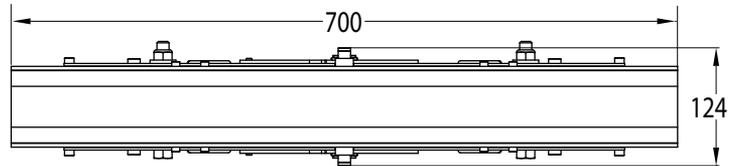
Chain required 1-way: 1.4 meter  
Slide rail required 1-way: 1.0 meter

## FM Weighted Take-up Module

FM-WTU-700



- Provides automatic chain stretch take-up
- Reduces noise caused from catenary tail
- Must be used with GP Drive End, sold separately
- Used on conveyors over 12 M long

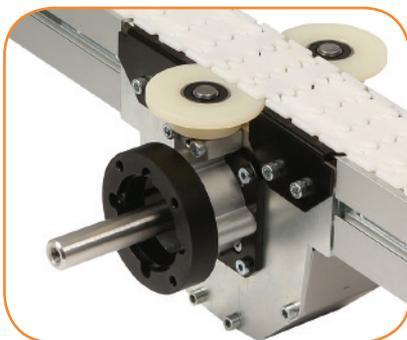


**UOM: pc**

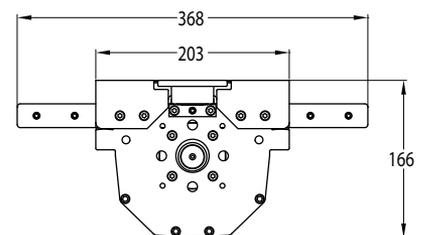
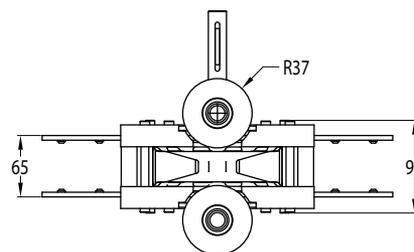
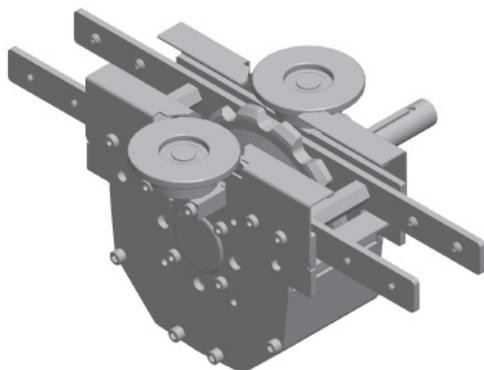
Chain required 1.5 meter  
Slide rail required 2.1 meter

## FM Top Running Drive Module

FMTRD-203



- For top running chain only
- 9M long conveyor length maximum
- 32 Kg load maximum
- Compatible with 3/4 inch shaft gearmotors only

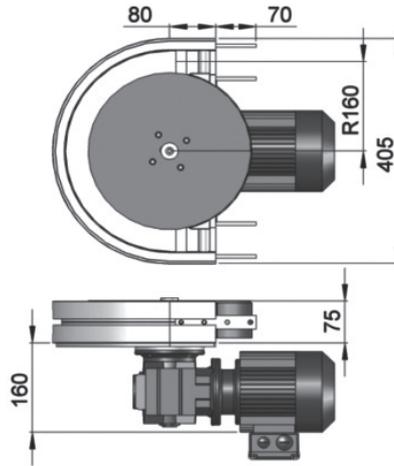
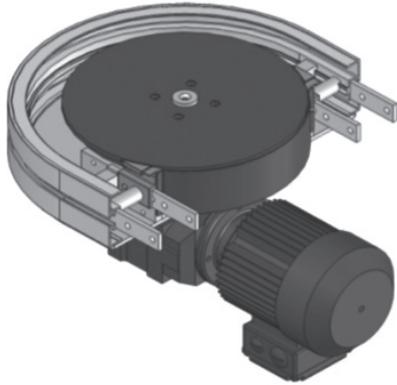


**UOM: pc**

Chain required 0.2 meter

### FM Direct Wheel Drive without Motor

FMWD-DD-0M



#### Max Traction Force: 200N

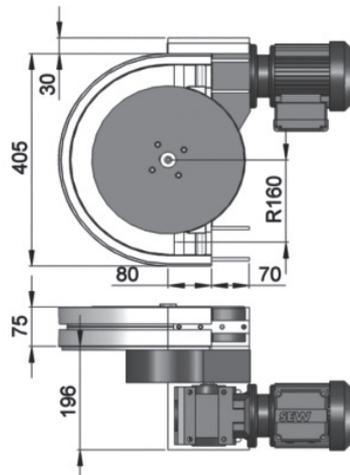
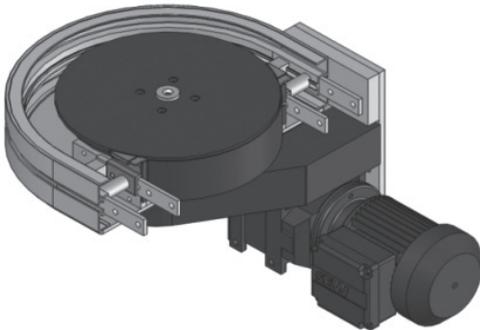
The Direct Wheel Drive Unit is without torque limiter. FMWD-DD-0M represents wheel drive without gear motor. Maximum traction force for FMWD-DD is lower than FMDD and FMDS.

#### UOM: pc

Chain required 1-way: 0.7 meter  
Slide rail required 1-way: 0.7 meter

### FM Suspended Wheel Drive without Motor

FMWD-SD-0M



#### Max Traction Force: 200N

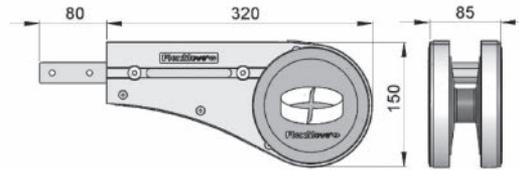
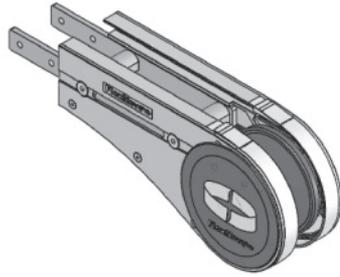
The Suspended Wheel Drive Unit is with torque limiter. FMWD-SD-0M represents wheel drive without gear motor. Maximum traction force for FMWD-SD is lower than FMDD and FMDS.

#### UOM: pc

Chain required 1-way: 0.7 meter  
Slide rail required 1-way: 0.7 meter

## FM Idler End-65

FMIE-A85

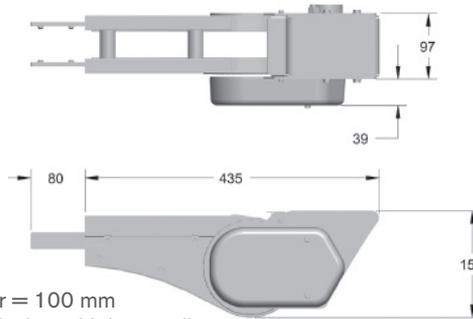
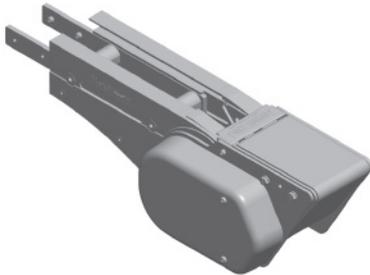


**UOM: pc**

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

## FM Idler End with Power Transfer (LEFT)

FMIE-A85PT-L

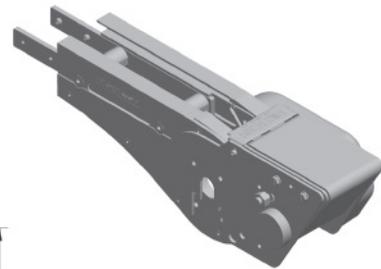


**UOM: pc**

Minimum product length for inline transfer = 100 mm  
Provides extended transfer nose for interfacing with large rollers.

## FM Idler End with Power Transfer (RIGHT)

FMIE-A65PT-R

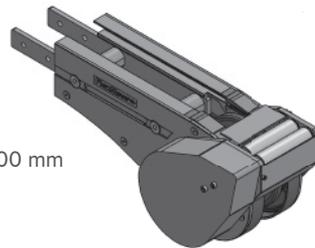
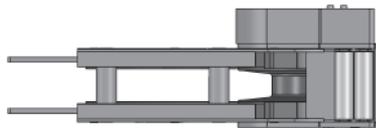


**UOM: pc**

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

## FM Idler End Driven Transfer Bridge (LEFT)

FMIE-A85DB-L



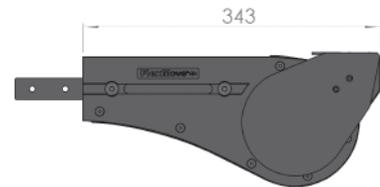
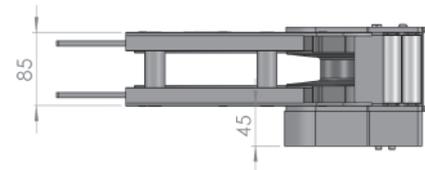
Minimum product length for inline transfer = 100 mm  
Transfer extends past conveyor only 27 mm

**UOM: pc**

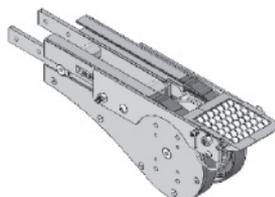
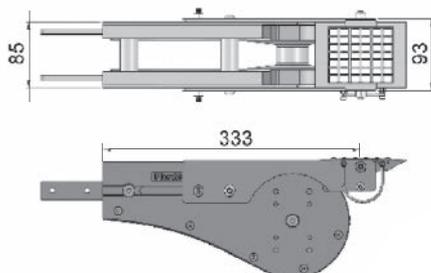
Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

## FM Direct Drive Driven Transfer Bridge (RIGHT)

FMIE-A85DB-R

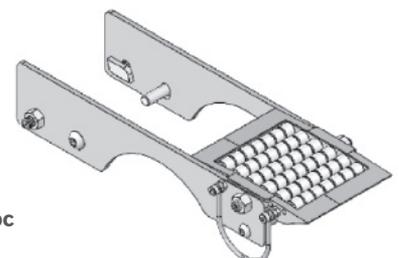


## FM Idler Free Roller Transfer Bridge



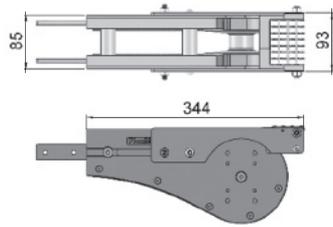
## FMTB-A85

Transfer bridge c/w roller for FMIE-A85, FMDD-A85-XDY and FMDD-A85GP-XDY

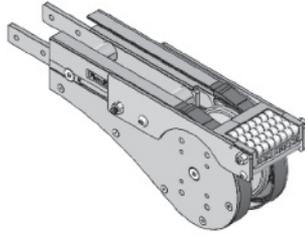


**UOM: pc**

## FM Idler End Free Roller Bridge

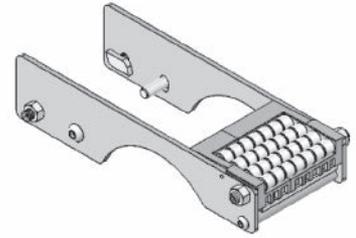


UOM: pc



## FMEB-A85

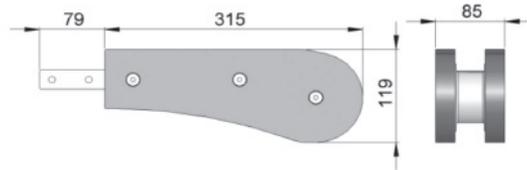
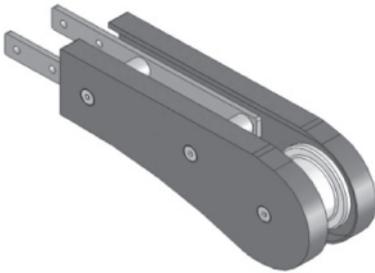
End transfer bridge c/w roller for FMIE-A85, FMDD-A85-XDY and FMDD-A85GP-XDY



UOM: pc

## FM Idler End-315

## FMIE-315

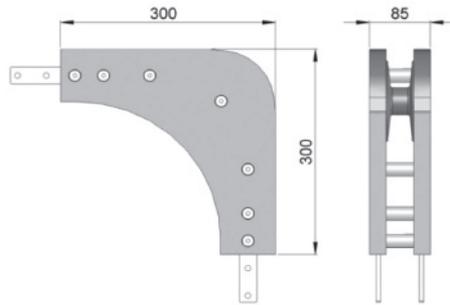
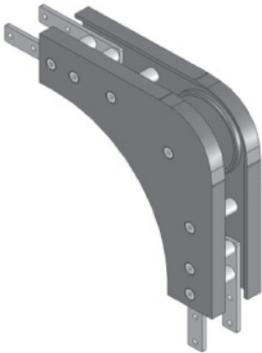


UOM: pc

Chain required 2-way: 0.7 meter  
Slide rail required 2-way: 0

## FM Idler Bend

## FMIB-300



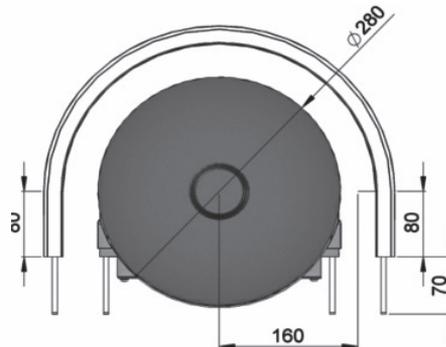
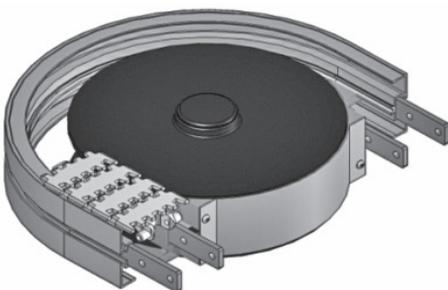
UOM: pc

Chain required 1-way: 0.6 meter  
Slide rail: 0 meter

**Note:** Cannot be used with return chain

## FM Wheel Bend 180°

## FMWB-180R160A

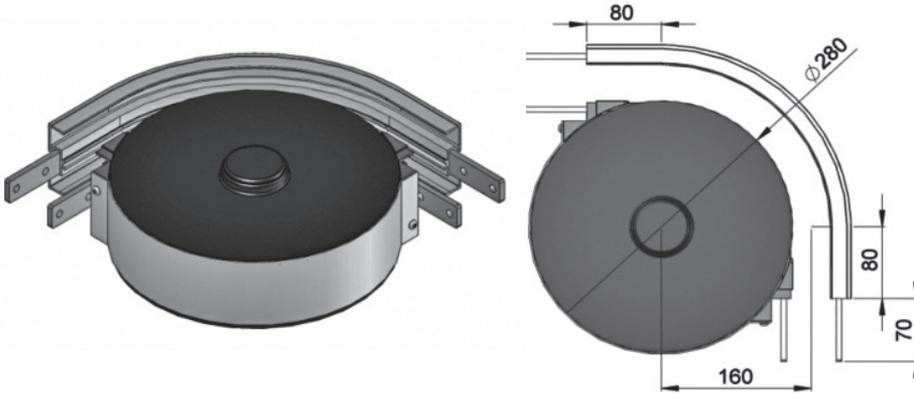


UOM: pc

Chain required 2-way: 1.3 meter  
Slide rail required 2-way: 1.3 meter

## FM Wheel Bend 90°

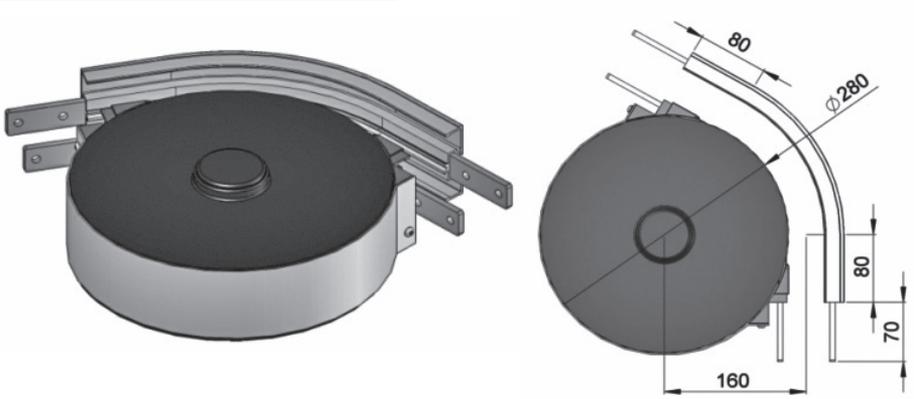
FMWB-90R160A



**UOM: pc**  
 Chain required 2-way: 0.8 meter  
 Slide rail required 2-way: 0.8 meter

## FM Wheel Bend 60°

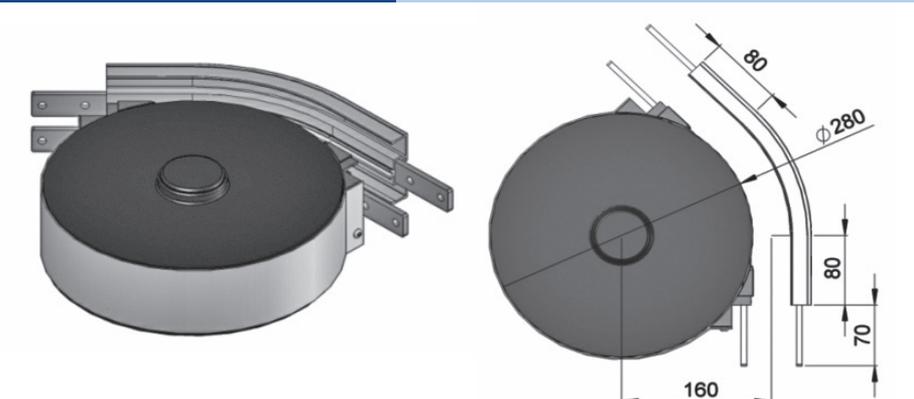
FMWB-60R160A



**UOM: pc**  
 Chain required 2-way: 0.7 meter  
 Slide rail required 2-way: 0.7 meter

## FM Wheel Bend 45°

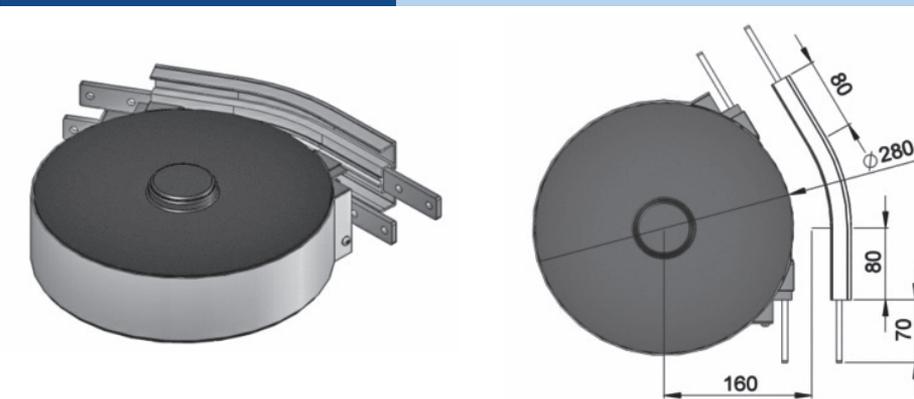
FMWB-45R160A



**UOM: pc**  
 Chain required 2-way: 0.6 meter  
 Slide rail required 2-way: 0.6 meter

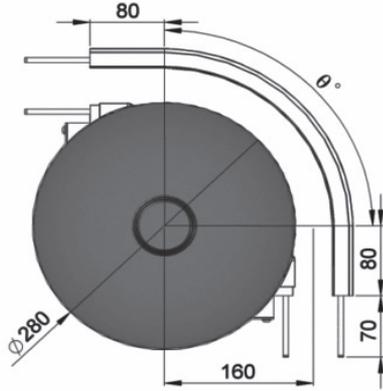
## FM Wheel Bend 30°

FMWB-30R160A



**UOM: pc**  
 Chain required 2-way: 0.5 meter  
 Slide rail required 2-way: 0.5 meter

## FM Wheel Bend 5° - 180°



### Example for FM Wheel Bend Ordering

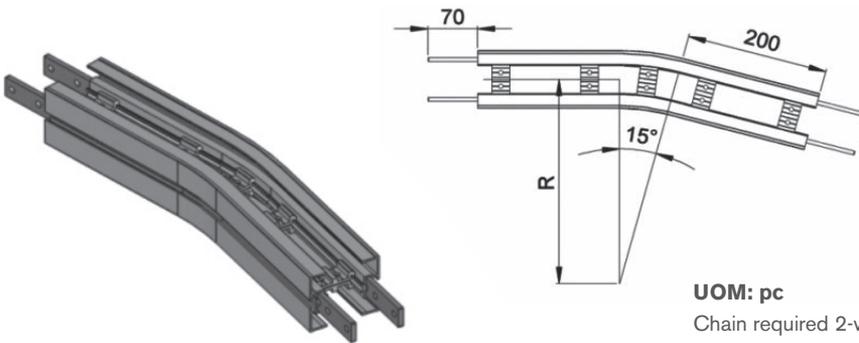
- Wheel bend,  $\varnothing \pm 1^\circ$
- FMWB- $\varnothing$ R160A

If an angle of 65° is needed for wheel bend, the ordering part number is

### FMWB-65R160A

The outer bend is assembled using connecting strip (FACS-25x140A). Angle of  $\varnothing^\circ$  must be indicated when ordering.

## FM Horizontal Plain Bend 15°



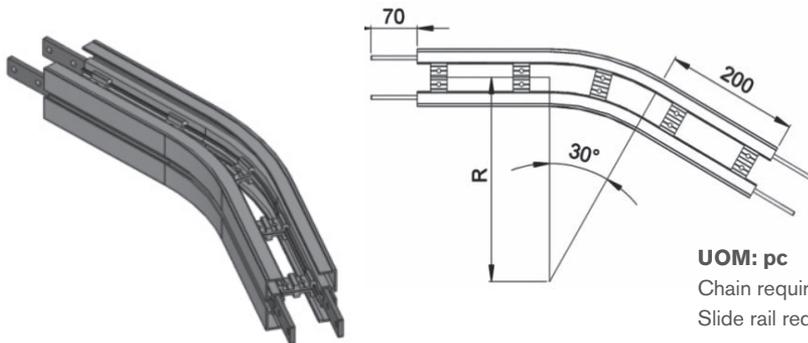
### Horizontal plain bend, 15° ± 1°

R = 300 ± 10 mm	<b>FMHB-15R300</b>
R = 500 ± 10 mm	<b>FMHB-15R500</b>
R = 700 ± 10 mm	<b>FMHB-15R700</b>
R = 1000 ± 10 mm	<b>FMHB-15R1000</b>

#### UOM: pc

Chain required 2-way (300, 500, 700, 1000): 1, 1.1, 1.2, 1.4 meter  
Slide rail required 2-way (300, 500, 700, 1000): 2, 2.2, 2.4, 2.8 meter

## FM Horizontal Plain Bend 30°



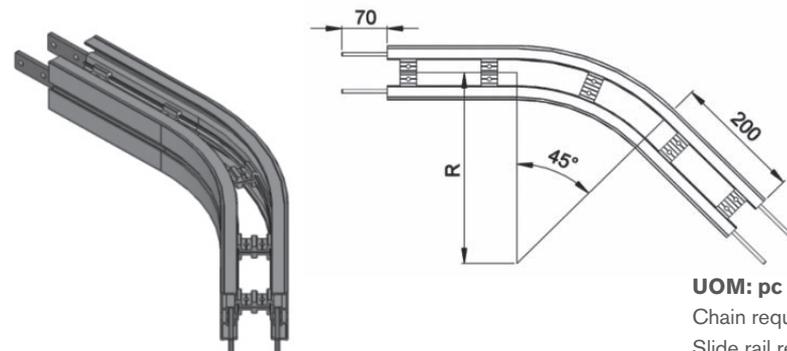
### Horizontal plain bend, 30° ± 1°

R = 300 ± 10 mm	<b>FMHB-30R300</b>
R = 500 ± 10 mm	<b>FMHB-30R500</b>
R = 700 ± 10 mm	<b>FMHB-30R700</b>
R = 1000 ± 10 mm	<b>FMHB-30R1000</b>

#### UOM: pc

Chain required 2-way (300, 500, 700, 1000): 1.2, 1.4, 1.6, 1.9 meter  
Slide rail required 2-way (300, 500, 700, 1000): 2.4, 2.8, 3.2, 3.8 meter

## FM Horizontal Plain Bend 45°



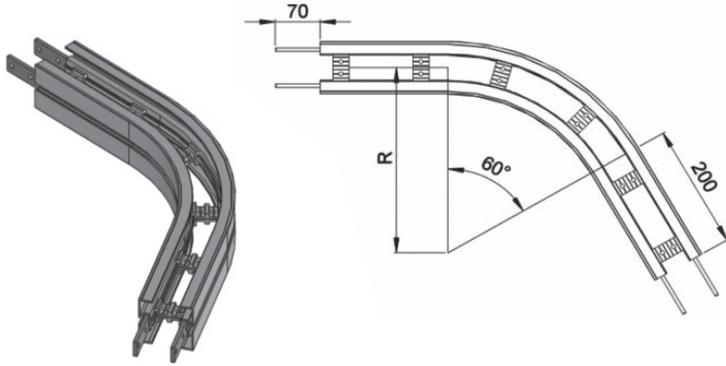
### Horizontal plain bend, 45° ± 1°

R = 300 ± 10 mm	<b>FMHB-45R300</b>
R = 500 ± 10 mm	<b>FMHB-45R500</b>
R = 700 ± 10 mm	<b>FMHB-45R700</b>
R = 1000 ± 10 mm	<b>FMHB-45R1000</b>

#### UOM: pc

Chain required 2-way (300, 500, 700, 1000): 1.3, 1.6, 1.9, 2.4 meter  
Slide rail required 2-way (300, 500, 700, 1000): 2.5, 2.9, 3.3, 3.9 meter

## FM Horizontal Plain Bend 60°



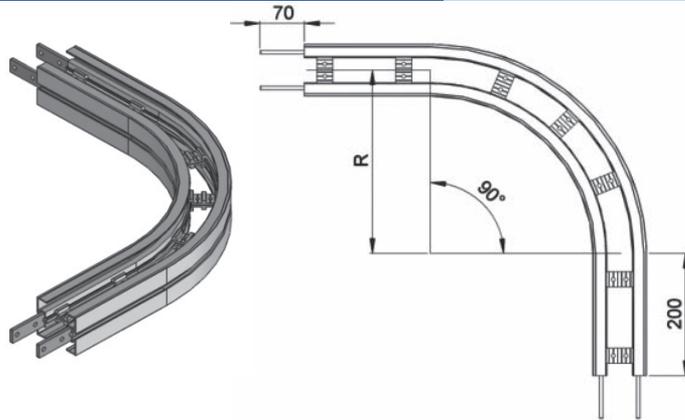
### Horizontal plain bend, 60° ± 1°

R = 300 ± 10 mm	<b>FMHB-60R300</b>
R = 500 ± 10 mm	<b>FMHB-60R500</b>
R = 700 ± 10 mm	<b>FMHB-60R700</b>
R = 1000 ± 10 mm	<b>FMHB-60R1000</b>

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1.5, 1.9, 2.3, 2.9 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 2.9, 3.7, 4.6, 5.8 meter

## FM Horizontal Plain Bend 90°



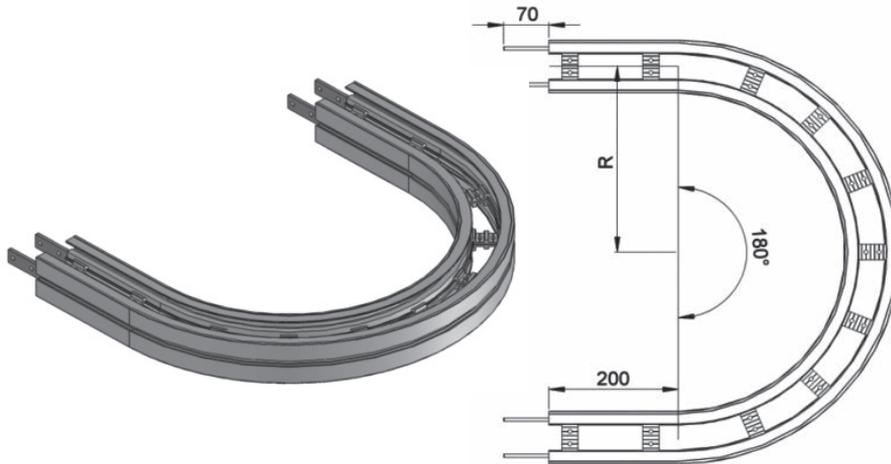
### Horizontal plain bend, 90° ± 1°

R = 300 ± 10 mm	<b>FMHB-90R300</b>
R = 500 ± 10 mm	<b>FMHB-90R500</b>
R = 700 ± 10 mm	<b>FMHB-90R700</b>
R = 1000 ± 10 mm	<b>FMHB-90R1000</b>

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1.8, 2.4, 3.0, 4.0 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 3.5, 4.8, 6.0, 8.0 meter

## FM Horizontal Plain Bend 180°



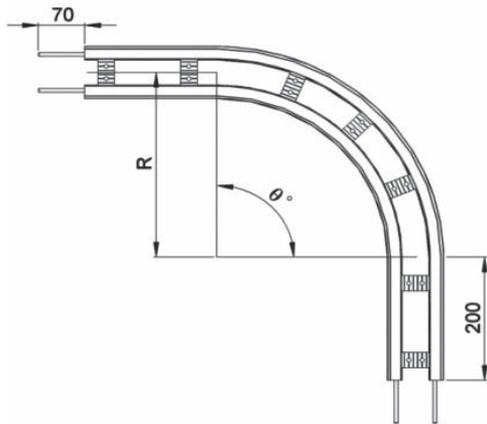
### Horizontal plain bend, 180° ± 1°

R = 300 ± 10 mm	<b>FMHB-180R300</b>
R = 500 ± 10 mm	<b>FMHB-180R500</b>
R = 700 ± 10 mm	<b>FMHB-180R700</b>
R = 1000 ± 10 mm	<b>FMHB-180R1000</b>

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 2.7, 4.0, 5.2, 7.1 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 5.4, 7.9, 1.1, 14.2 meter

**FM Horizontal Plain Bend 5° - 180°**



**Example for FM Horizontal Plain Bend Ordering**

**Horizontal plain bend,  $\theta \pm 1^\circ$**

- R = 300 ± 10 mm     **FMHB- Ø°R300**
- R = 500 ± 10 mm     **FMHB- Ø°R500**
- R = 700 ± 10 mm     **FMHB- Ø°R700**
- R = 1000 ± 10 mm    **FMHB- Ø°R1000**

If an angle of 120° is needed for radius R500 horizontal plain bend, the ordering part number is

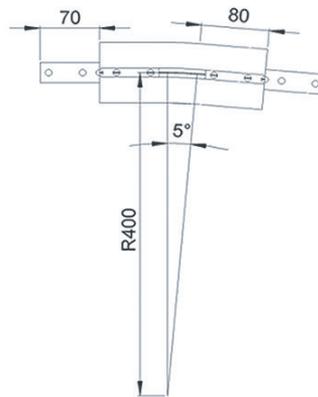
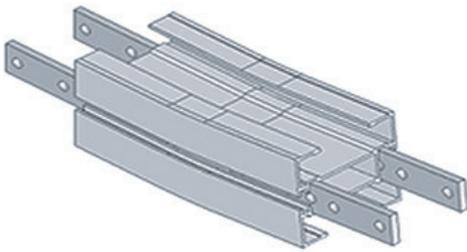
**FMHB-120R500**

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): meter (Variable to angle)  
 Slide rail required 2-way (300, 500, 700, 1000): meter (Variable to angle)

**FM Vertical Bend 5°**

**FMVB-5R400**

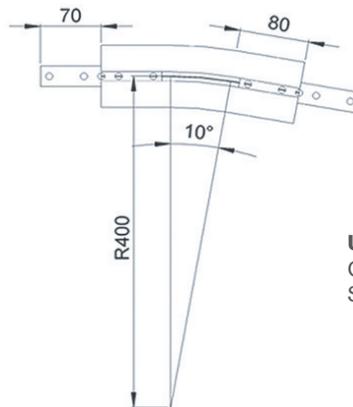
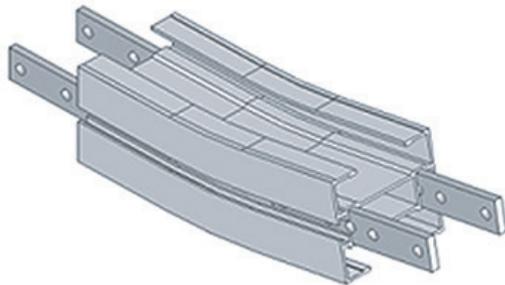


**UOM: pc**

Chain required 2-way: 0.4 meter  
 Slide rail required 2-way: 0.8 meter

**FM Vertical Bend 5°**

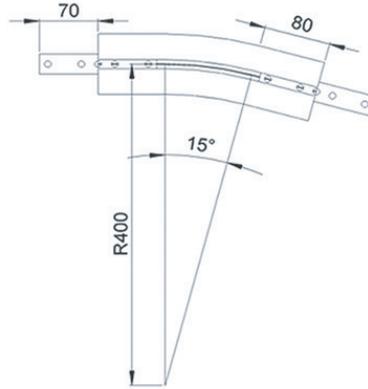
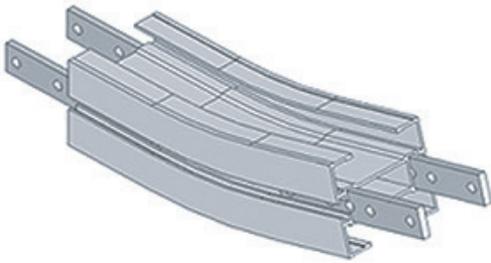
**FMVB-10R400**



**UOM: pc**

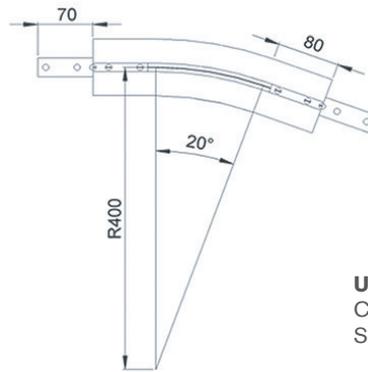
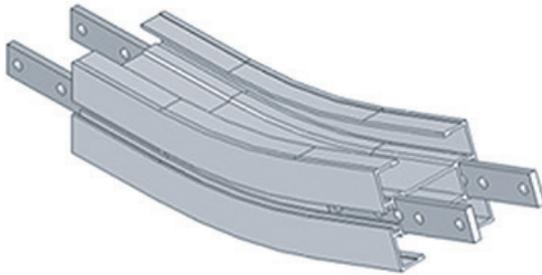
Chain required 2-way: 0.5 meter  
 Slide rail required 2-way: 1.1 meter

**FM Vertical Bend 15°** FMVB-15R400



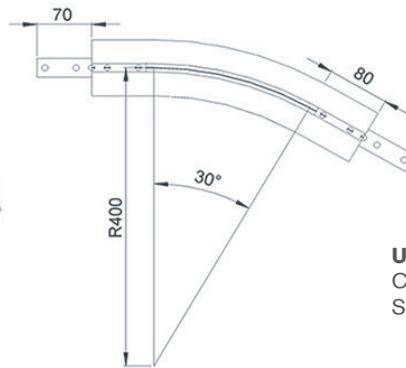
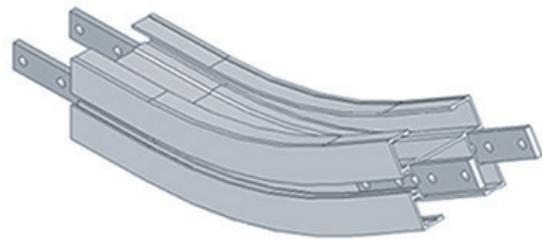
**UOM: pc**  
 Chain required 2-way: 0.5 meter  
 Slide rail required 2-way: 1.1 meter

**FM Vertical Bend 20°** FMVB-20R400



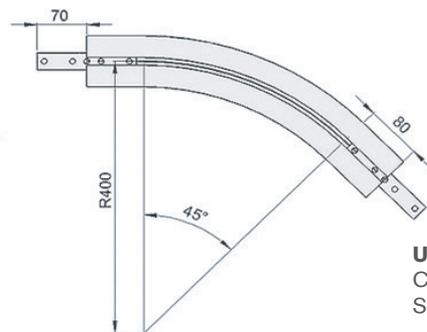
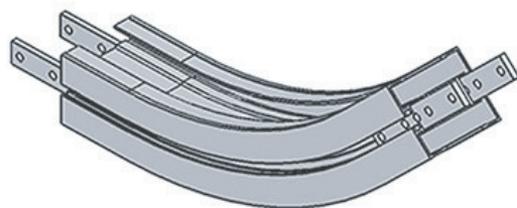
**UOM: pc**  
 Chain required 2-way: 0.6 meter  
 Slide rail required 2-way: 1.2 meter

**FM Vertical Bend 30°** FMVB-30R400



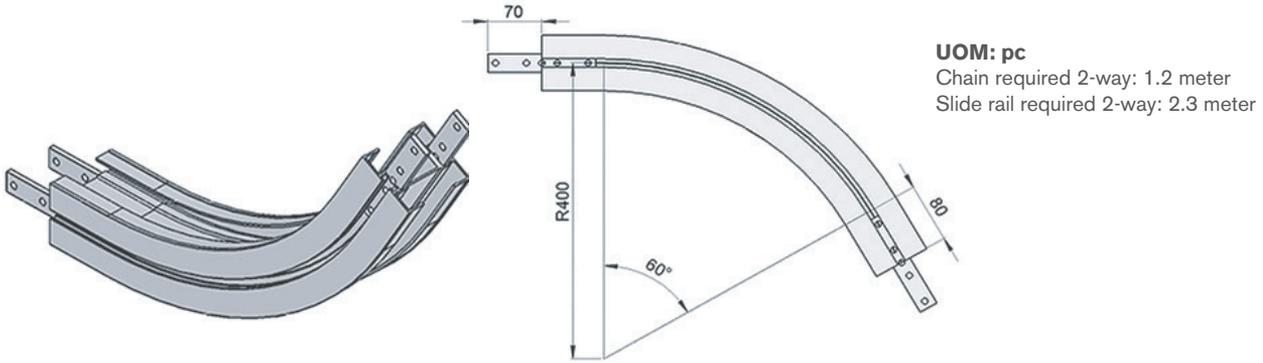
**UOM: pc**  
 Chain required 2-way: 0.7 meter  
 Slide rail required 2-way: 1.5 meter

**FM Vertical Bend 45°** FMVB-45R400

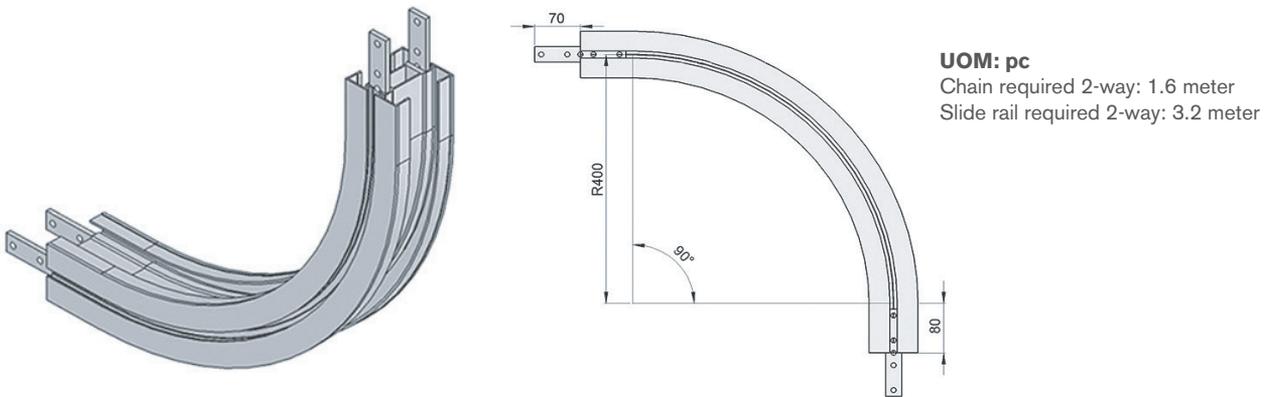


**UOM: pc**  
 Chain required 2-way: 0.9 meter  
 Slide rail required 2-way: 1.9 meter

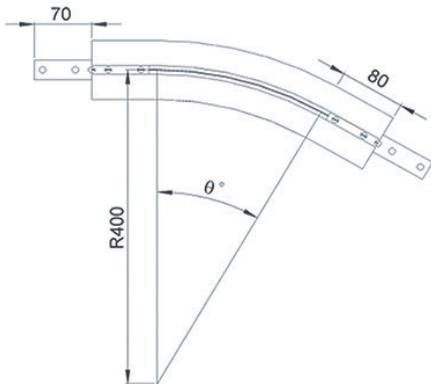
**FM Vertical Bend 60°** FMVB-60R400



**FM Vertical Bend 90°** FMVB-90R400



**FM Vertical Bend 5° - 90°**



**Example for FM Vertical Bend Ordering**

- Vertical bend,  $\varnothing^\circ \pm 1^\circ$
- FMVB- $\varnothing^\circ$ R400

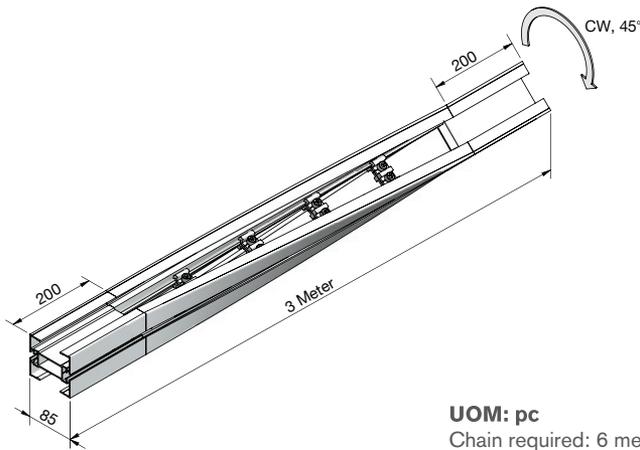
If an angle of 65° is needed for vertical bend, the ordering part number is

**FMVB-65R400**

*The outer bend is assembled using connecting strip (FACS-25x140A). Angle of "Ø°" must be indicated when ordering.*

## FM 45 Degree Twist Conveyor Beam (Clockwise)

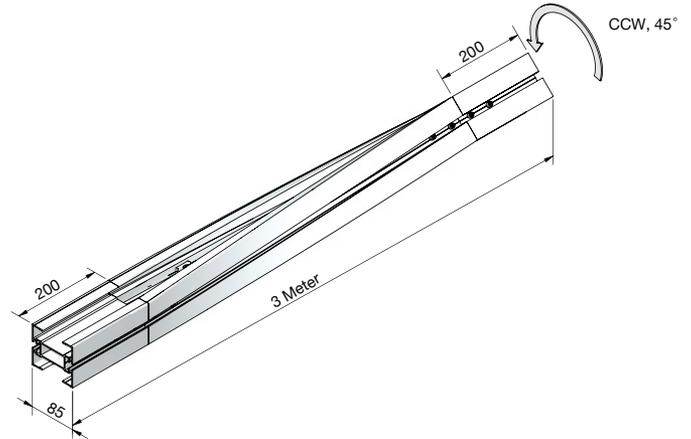
FMTB-CW45x3000



**UOM: pc**  
Chain required: 6 meter  
Slide rail required: 12 meter

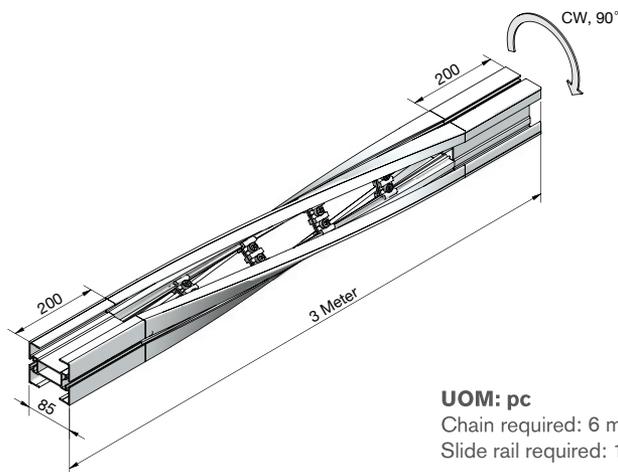
## FM 45 Degree Twist Conveyor Beam (Counter-Clockwise)

FMTB-CCW45x3000



## FM 90 Degree Twist Conveyor Beam (Clockwise)

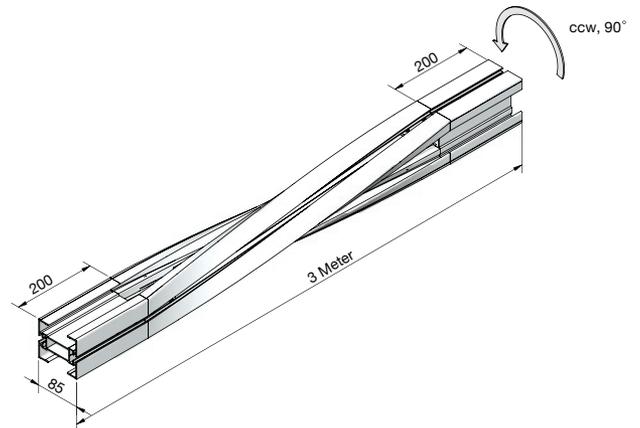
FMTB-CW90x3000



**UOM: pc**  
Chain required: 6 meter  
Slide rail required: 12 meter

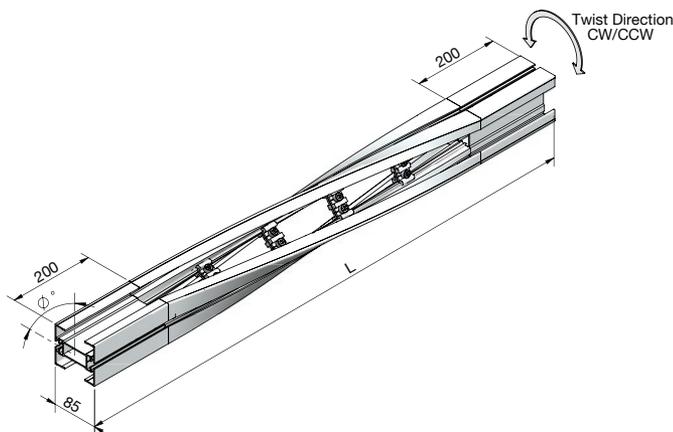
## FM 90 Degree Twist Conveyor Beam (Counter-Clockwise)

FMTB-CCW90x3000



## FM Twist Conveyor Beam 15° - 90°

FMTB-AAABBx3000 Where AAA = CW or CCW, BB = Angle



### Example for FM Twist Conveyor Beam Ordering

- Twist Conveyor Beam,  $\varnothing \pm 5^\circ$

If an angle of  $30^\circ$  is needed for twist beam, in clockwise direction and length 3.0 m, the ordering part number is

**FMTB-CW30x3000**

Angle of  $\varnothing^\circ$ , twist direction, and length L, must be indicated when ordering.

**UOM: pc**  
Chain required: 6 meter  
Slide rail required: 12 meter

Variety of chain type suitable for wide range of applications either horizontal or vertical product transportation. Capacity higher than FK, FS, FM. The maximum product width to be conveyed can be referred to guide rail assembly pages.

**FC Series Characteristic**

**Beam Width:** 105 mm

**Product Width:** Refer to Guide Rail Assembly

**Accessories Needed**

**Slide Rail Required:** FASR-25 OR FASR-25U

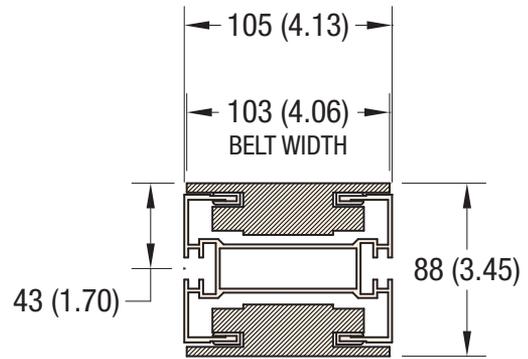
**Slide Rail Color:** White or Natural Color

**Slide Rail Material:** HDPE OR UHMW-PE

**Slide Rail Rivet & Screw:** FASLR-4X6 or FASLS-M5

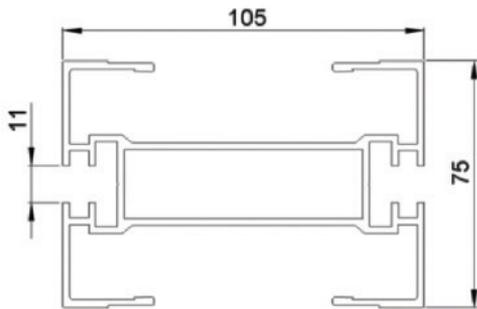
Connecting strip is used to connect two beams.

**Connecting Strip:** FACS-25x140A

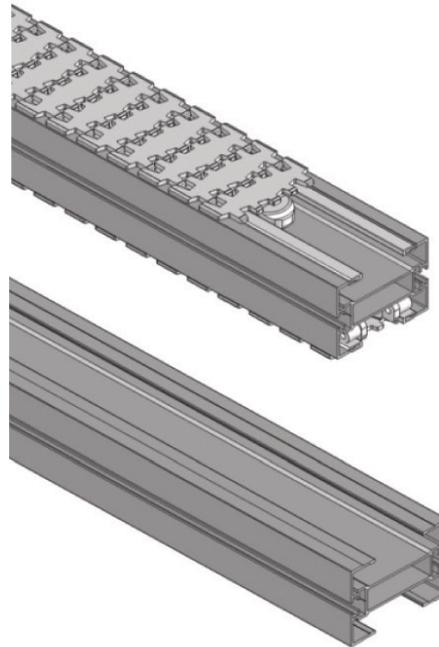


**105 MM WIDTH**

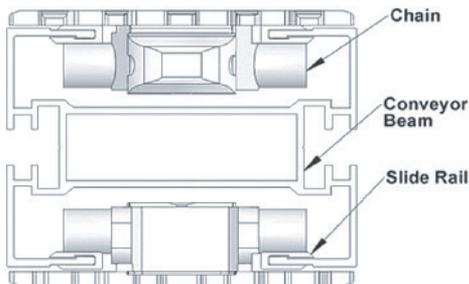
**Conveyor Beam FCCB-3**



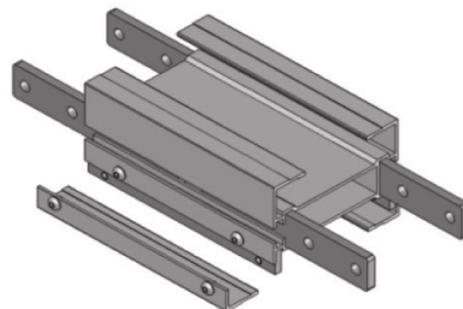
UOM: 3 Meter / Length



**Chain Connecting Module FCCC-160**



UOM: pc



### Chain Common Data

**Packaging:** 5 m per box

**Pitch:** 35.5 mm

**Width:** 103 mm

Tensile Strength at 20°C: 6000N

**Color:** White & Black (Conductive)

### Material:

**Chain:** White Acetal / POM

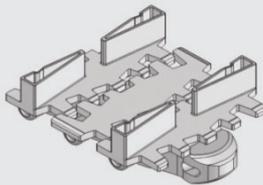
**Pivot:** Polyamide

**Pivot Pin:** Stainless Steel

**Insert (Wedge & Friction):** TPE Grey

### Example for FCCT-5A17-L#

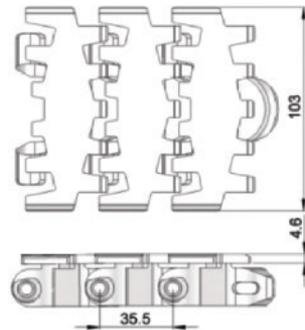
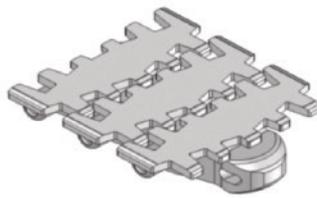
# = 1 cleated top chain with alternate of # link of plain chain



The above chain is FCCT-5A17-L1, 1 link cleated top chain with alternate of 1 link of plain chain.

**Note:** # = 1, 2, 3, 4, 5.....20

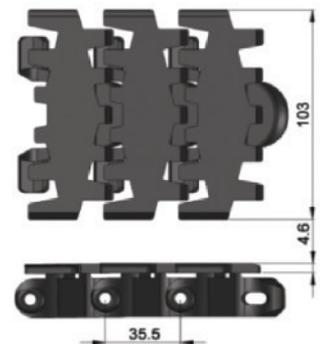
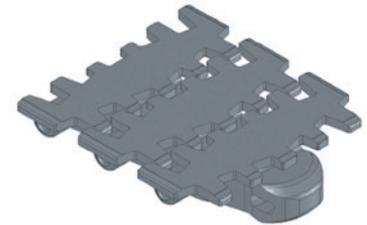
### Standard Plain Chain FCPC-5



**UOM:** 5 Meter / box

Application: Suitable for horizontal and slope < 5° transport of products with accumulation.

### Conductive Chain FCPC-5CD

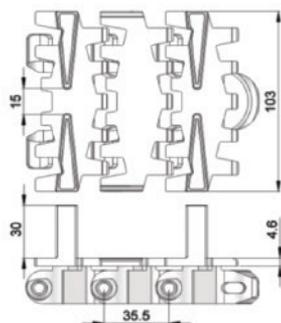
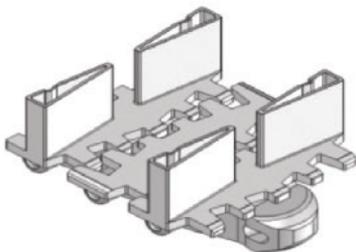


**UOM:** 5 Meter / box

Application: Suitable for transport of static sensitive product.

### Cleat Top Chain FCCT-5A30-L#

# = 1, 2, 3, 4, 5.....20

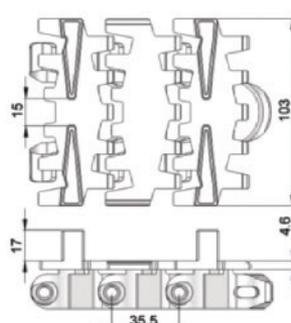
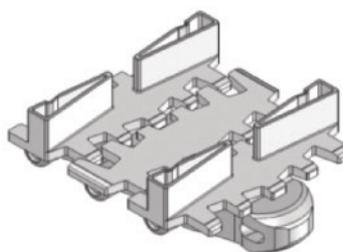


**UOM:** 5 Meter / box

Application: Suitable for vertical transport of product with no accumulation.

### Cleat Top Chain FCCT-5A17-L#

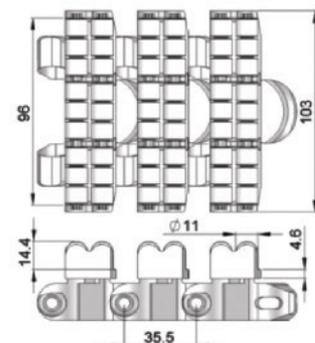
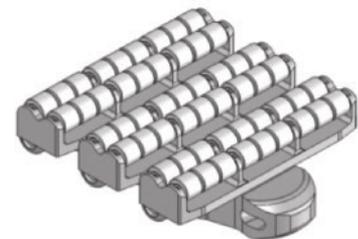
# = 1, 2, 3, 4, 5.....20



**UOM:** 5 Meter / box

Application: Suitable for vertical transport of product with no accumulation.

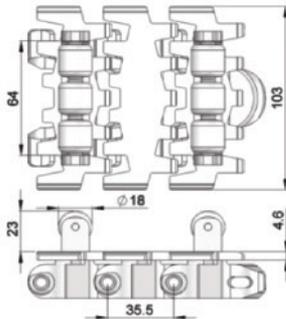
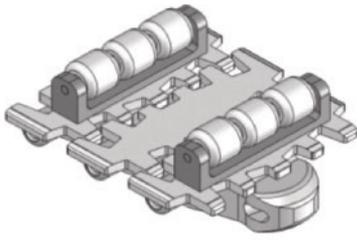
### Roller Top Chain FCRT-5



**UOM:** 5 Meter / box

Application: Suitable for accumulation of product with low friction and pressure.

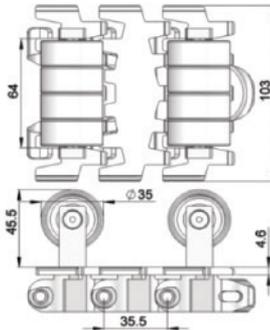
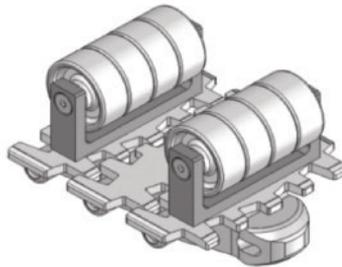
## Roller Cleat Chain **FCRC-5A-L#**



**UOM: 5 Meter / box**

Application: Suitable for vertical transportation of product in slope with no accumulation.

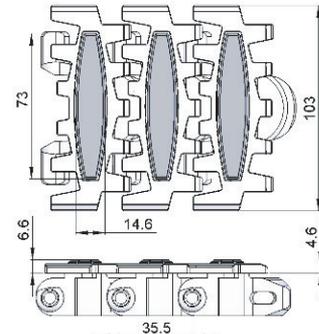
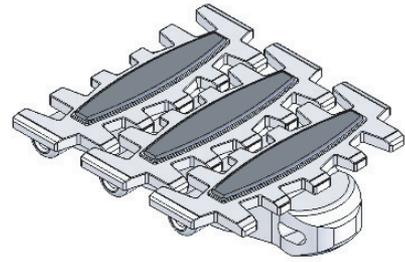
## Roller Cleat Chain **FCRC-5B-L#**



**UOM: 5 Meter / box**

Application: Suitable for vertical transportation of product in slope with no accumulation.

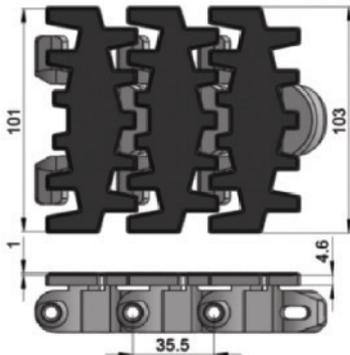
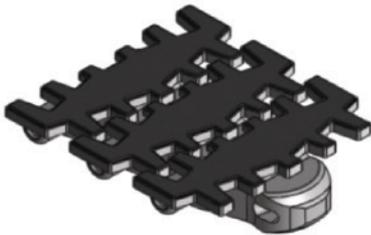
## Friction Top Chain **FCFT-5**



**UOM: 5 Meter / box**

Application: Suitable for transport product in slope  $> 5^\circ$  but  $\leq 30^\circ$  without accumulation.

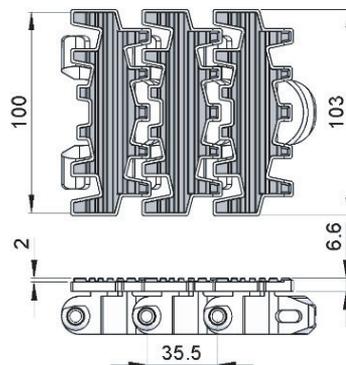
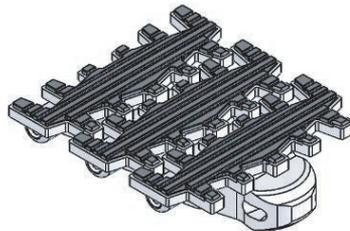
## Friction Top Chain **FCFT-5A**



**UOM: 5 Meter / box**

Application: Suitable for transport product in of slope  $> 5^\circ$  but  $\leq 30^\circ$  without accumulation.

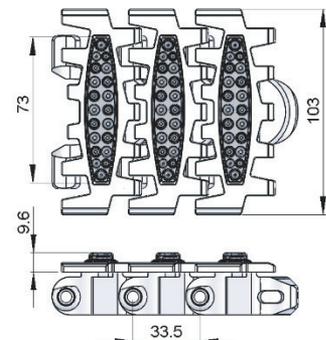
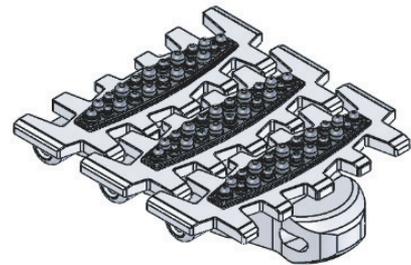
## Friction Top Chain **FCFT-5B**



**UOM: 5 Meter / box**

Application: Suitable for transport product in slope  $> 5^\circ$  but  $\leq 40^\circ$  without accumulation.

## Friction Top Chain **FCFT-5C**

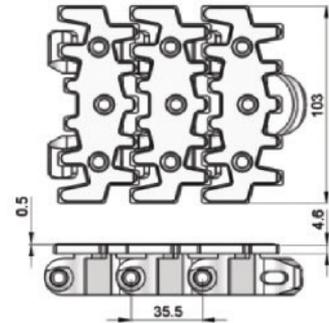
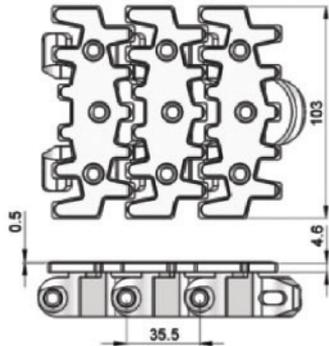
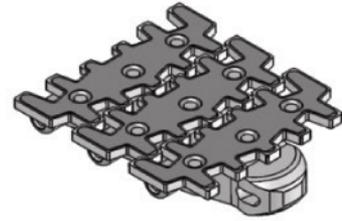
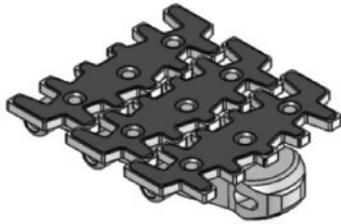


**UOM: 5 Meter / box**

Application: Suitable for transport product in of slope  $> 5^\circ$  but  $\leq 35^\circ$  without accumulation.

## Hardened Steel Top Chain **FCST-5**

## S/steel Top Chain **FCST-5S**



**UOM: 5 Meter / box**

Application: Suitable to transport metal products in accumulation.

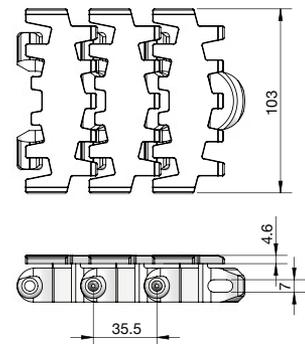
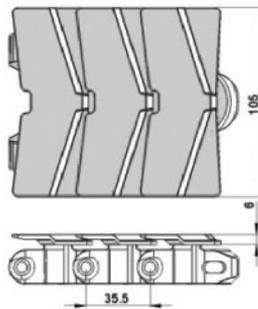
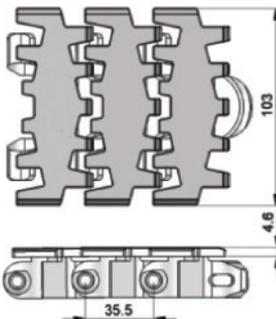
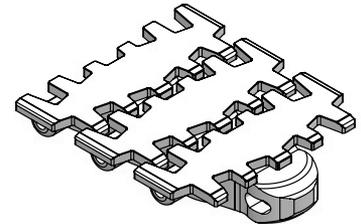
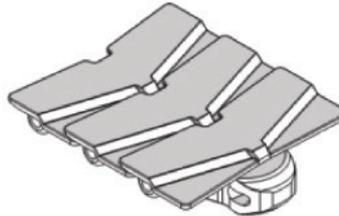
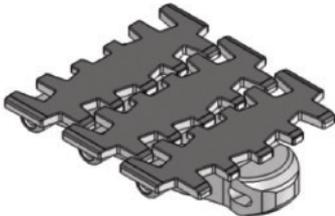
**UOM: 5 Meter / box**

Application: Suitable to transport metal products in accumulation.

## Flocked Chain **FCFK-5**

## Safety Chain **FCPC-5V**

## Twist Chain **FCPC-5M**



**UOM: 5 Meter / box**

Application: Suitable to transport lightweight, fragile and scratch sensitive product.

**UOM: 5 Meter / box**

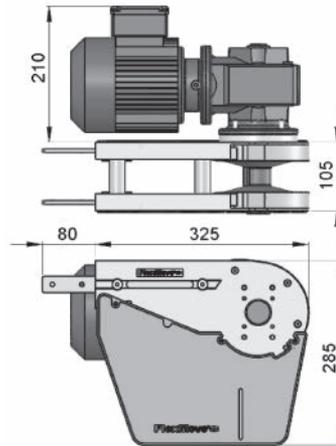
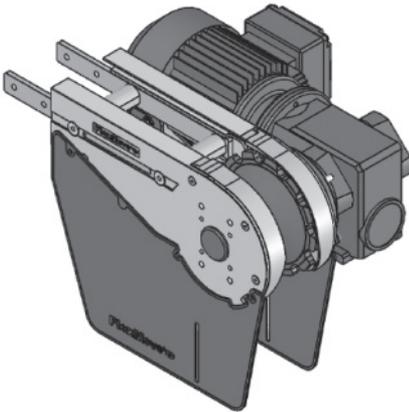
Application: (Safety Chain) Suitable for horizontal and slope < 5° transport of products with accumulation.

**UOM: 5 Meter / box**

Application: Suitable twist conveyor beam; horizontal and slope < 5° transport of products with accumulation

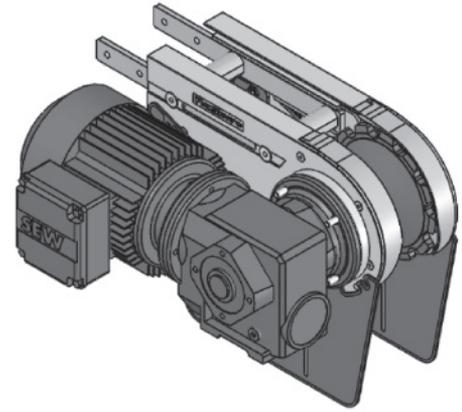
### FC Direct End Drive without Motor (LEFT)

FCDD-A105-XDY (See Chart)



### FC Direct End Drive without Motor (RIGHT)

FCDD-A105-XDY (See Chart)



Part Number		Shaft Selection	Direction	Aux Shaft Selection
FCDD-A105	-	X	D	Y
		0 = 20 mm	L = Left	Blank = No Aux Shaft
		E = 3/4 in*	R = Right	A = 20 mm Aux Shaft
		A = 20 mm Aux Only		

\*3/4 inch shaft option available in North America only.

### Max Traction Force: 1250N

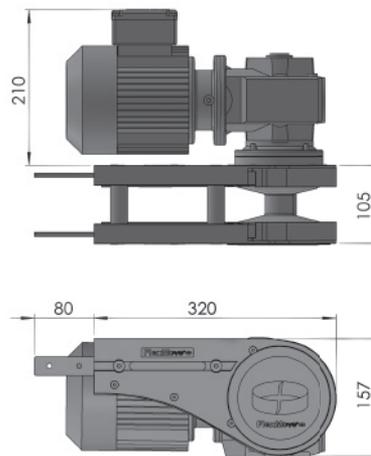
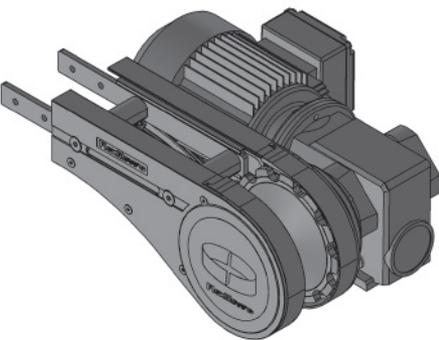
The Direct End Drive Unit is without torque limiter.

### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

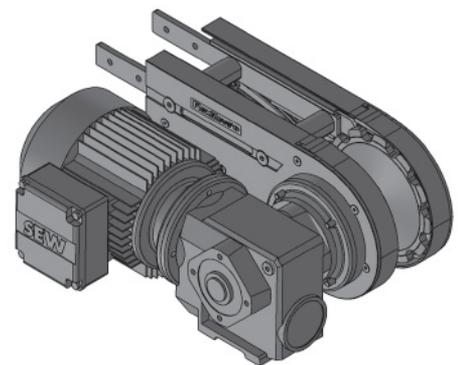
### FC Direct End Drive unit without Motor GP (LEFT)

FCDD-A105GP-XDY (See Chart)



### FC Direct End Drive unit without Motor GP (RIGHT)

FCDD-A105GP-XDY (See Chart)



Part Number		Shaft Selection	Direction	Aux Shaft Selection
FCDD-A105GP	-	X	D	Y
		0 = 20 mm	L = Left	Blank = No Aux Shaft
		E = 3/4 in*	R = Right	A = 20 mm Aux Shaft
		A = 20 mm Aux Only		

\*3/4 inch shaft option available in North America only.

### Max Traction Force: 1250N

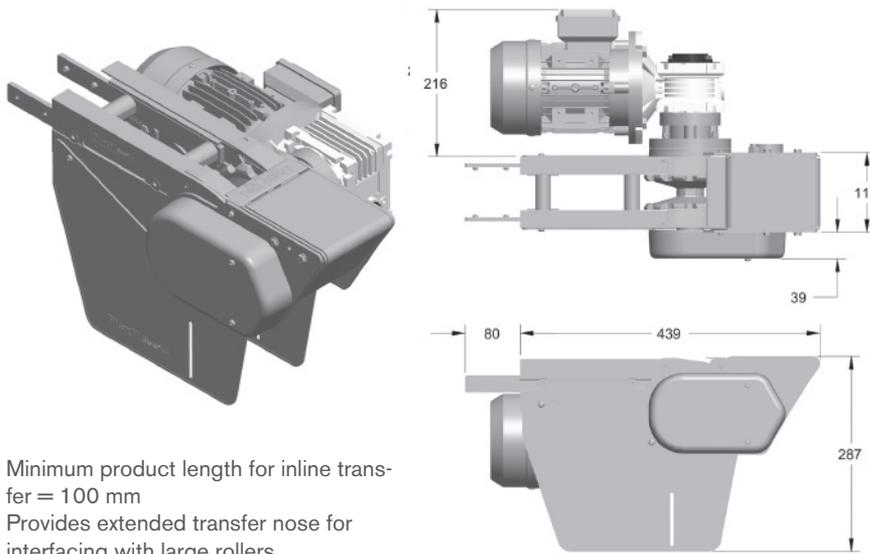
The Direct End Drive Unit GP is without torque limiter.

### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

## FC Direct with Power Transfer Motor (LEFT)

FCDD-A105PT-XD (See Chart)



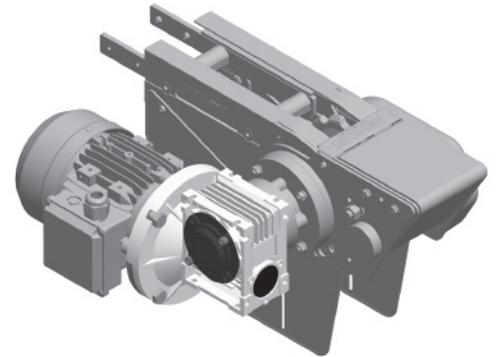
Minimum product length for inline transfer = 100 mm  
Provides extended transfer nose for interfacing with large rollers.

Part Number		Shaft Selection	Direction
FCDD-A105PT	-	X	D
		0 = 20 mm	L = Left
		E = 3/4 in*	R = Right

\*3/4 inch shaft option available in North America only.

## FC Direct with Power Transfer Motor (RIGHT)

FCDD-A105PT-XD (See Chart)



### Max Traction Force: 1250N

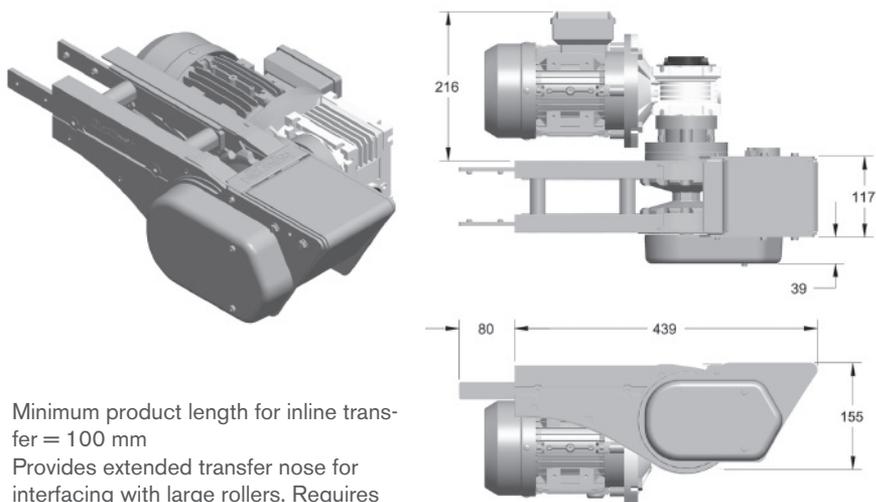
The Direct End Drive Unit is without torque limiter.

### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

## FC GP Direct with Power Transfer Motor (LEFT)

FCDD-A105GPPT-XD (See Chart)



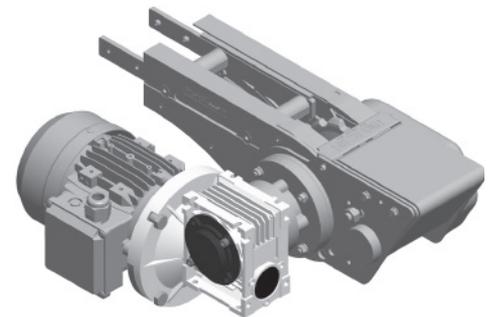
Minimum product length for inline transfer = 100 mm  
Provides extended transfer nose for interfacing with large rollers. Requires the use of connecting module for chain maintenance.

Part Number		Shaft Selection	Direction
FCDD-A105GPPT	-	X	D
		0 = 20 mm	L = Left
		E = 3/4 in*	R = Right

\*3/4 inch shaft option available in North America only.

## FC GP Direct with Power Transfer Motor (RIGHT)

FCDD-A105GPPT-XD (See Chart)



### Max Traction Force: 1250N

The Direct End Drive Unit GP is without torque limiter.

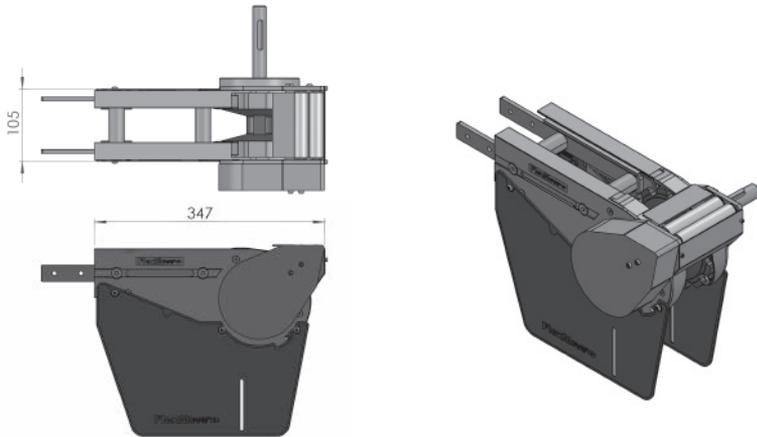
### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

SEW gearmotors are products of SEW Eurodrive

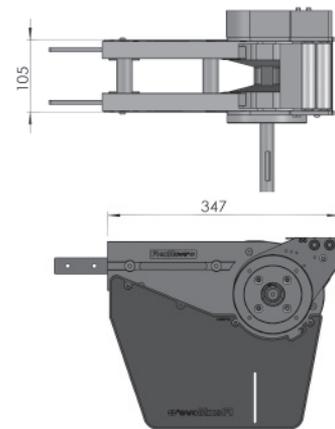
## FC Direct Drive Driven Transfer Bridge (LEFT)

FCDD-A105DB-A-0L



## FC Direct Drive Driven Transfer Bridge (RIGHT)

FCDD-A105DB-A-0R



### Max Traction Force: 1250N

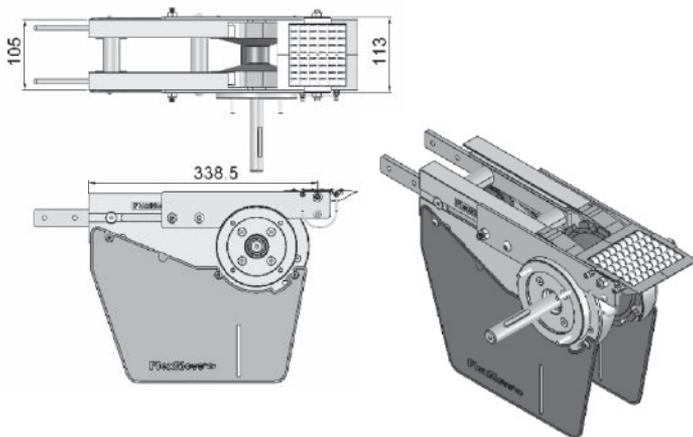
The Direct End Drive Unit is without torque limiter.

### UOM: pc

Chain required 2-way: 0.8 meter

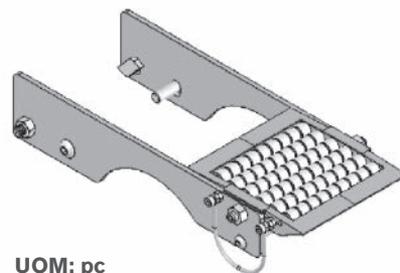
Slide rail required 2-way: 0.5 meter

## FC Direct Drive Free Roller Transfer Bridge (LEFT/RIGHT)



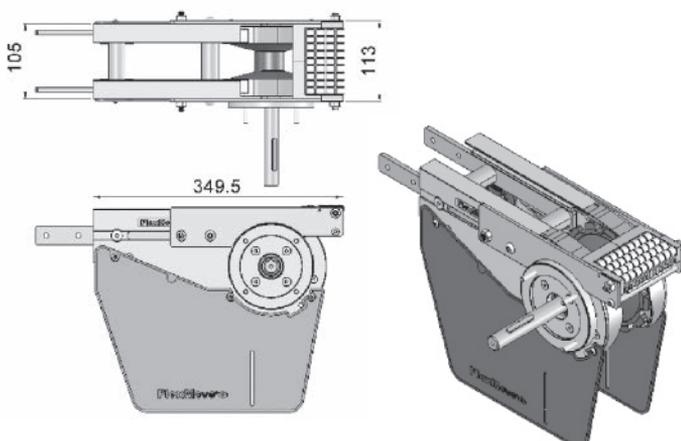
### FCTB-A105

Transfer bridge c/w roller for FCIE-A105, FCDD-A105-XDY and FCDD-A105GP-XDY



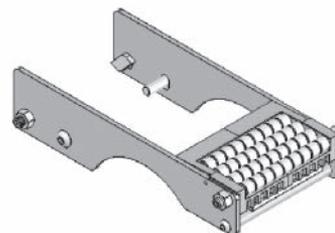
UOM: pc

## FC Direct Drive End Free Roller Bridge (LEFT/RIGHT)



### FCEB-A105

End transfer bridge c/w roller for FCIE-A105, FCDD-A105-XDY and FCDD-A105GP-XDY

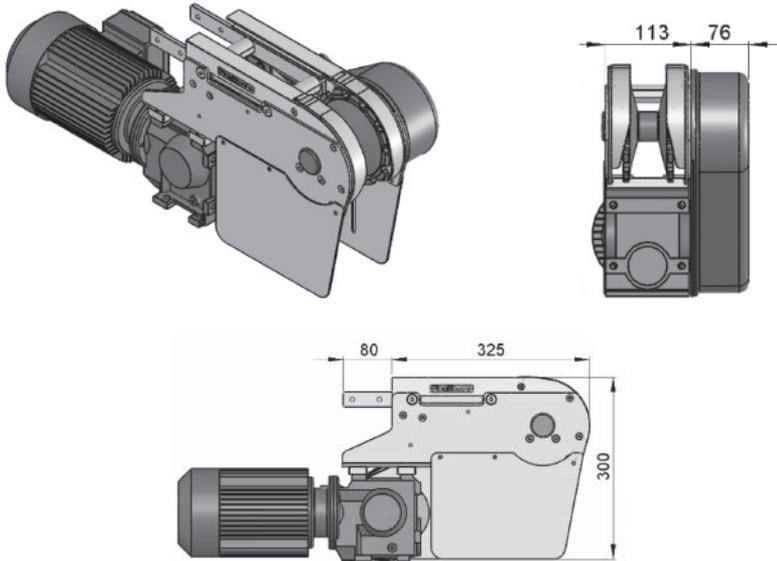


UOM: pc

SEW gearmotors are products of SEW Eurodrive

## FC Suspended End Drive without Motor (LEFT)

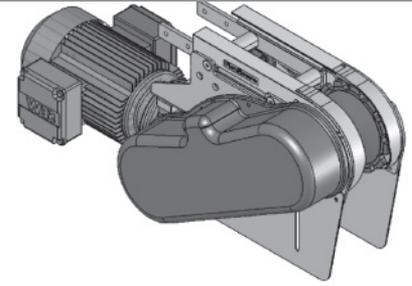
FCSD-A105-0L (with Torque Limiter)  
FCSD-A105SPT-0L (without Torque Limiter)



- Locates gearmotor below conveyor for compact applications.
- Includes torque limiter protecting chain and motor from overload.
- Chain pull capacity at 1250N for unit without torque limiter.
- Chain pull capacity at 840N for unit with torque limiter.

## FC Suspended End Drive without Motor (RIGHT)

FCSD-A105-0R (with Torque Limiter)  
FCSD-A105SPT-0R (without Torque Limiter)



### Max Traction Force:

**1250N** (without limiter)

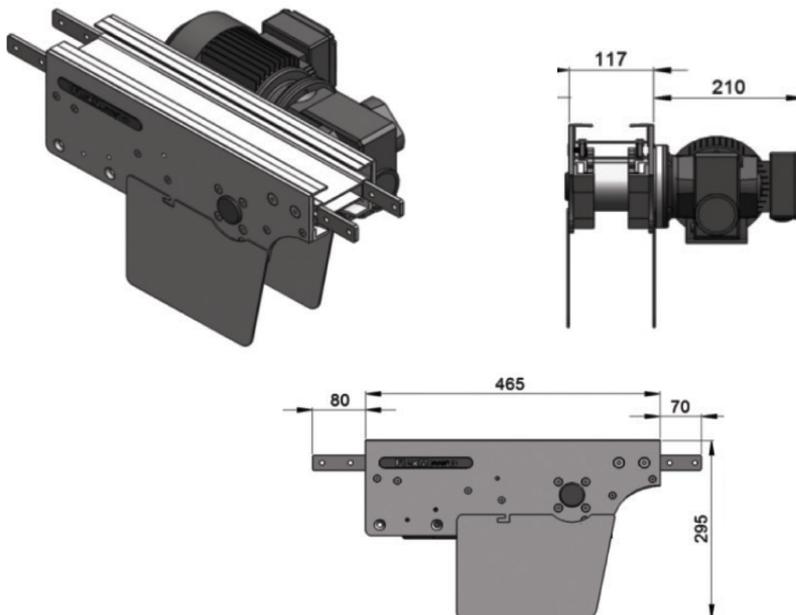
**800N** (with limiter)

### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

## FC Direct Intermediate Drive without Motor (LEFT)

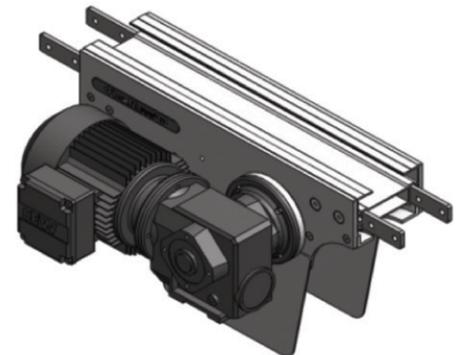
FCID-DD-0L1



- Located in middle section of conveyor to free up drive end.

## FC Direct Intermediate Drive without Motor (RIGHT)

FCID-DD-0R1



### Max Traction Force: 200N

The Direct Intermediate Drive Unit is without torque limiter.

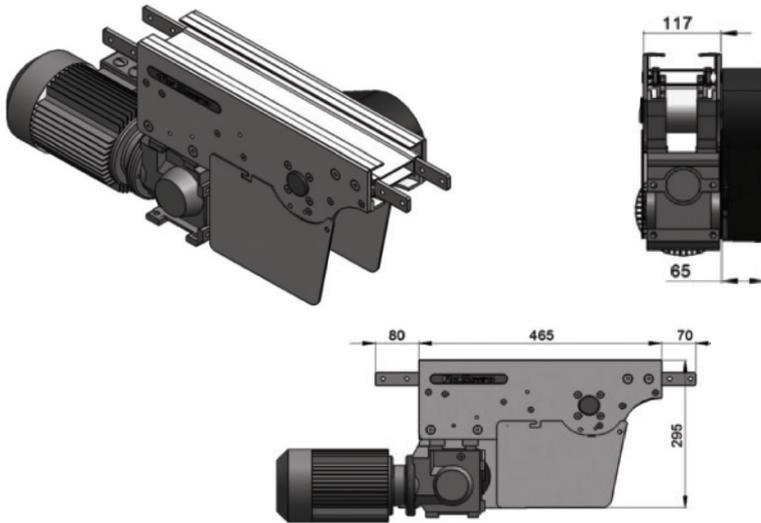
### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

SEW gearmotors are products of SEW Eurodrive

## FC Suspended Intermediate Drive without Motor (LEFT)

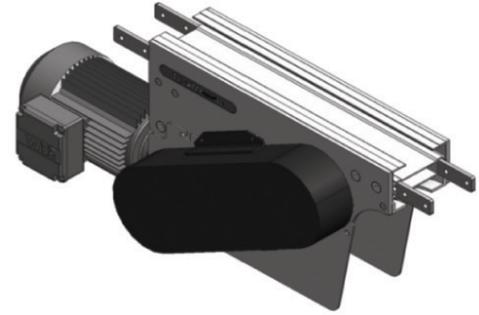
FCID-SD -0L1



- Located in middle of conveyor to free up drive end.
- Includes torque limiter protecting chain and motor from overload.
- Limits chain pull capacity at 200N.

## FC Suspended Intermediate Drive without Motor (RIGHT)

FCID-SD-0R1



### Max Traction Force: 200N

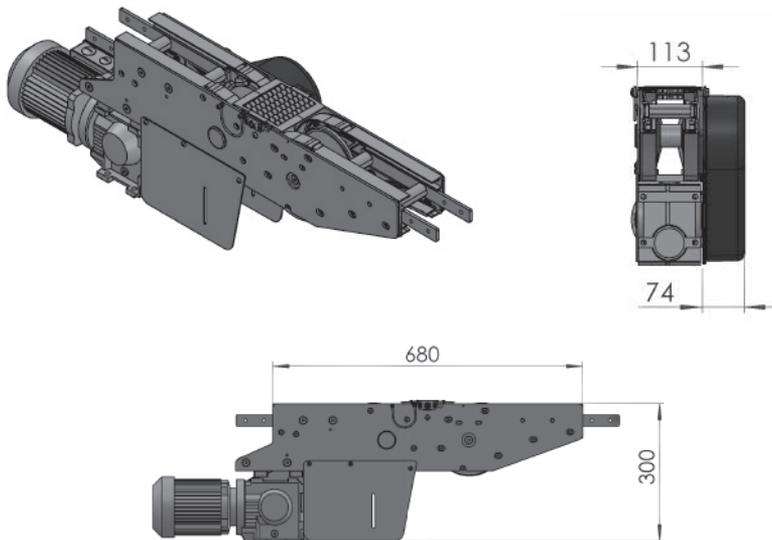
The Suspended Intermediate Drive Unit is with torque limiter.

### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

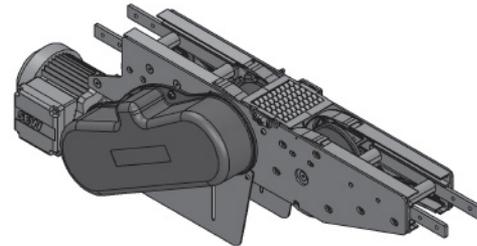
## FC Combined Suspended Drive & Idler (LEFT)

FCCDI-SD-A105-0L



## FC Combined Suspended Drive & Idler (RIGHT)

FCCDI-SD-A105-0R



### Max Traction Force: 800N

The Combine Suspended End Drive Unit is with torque limiter.

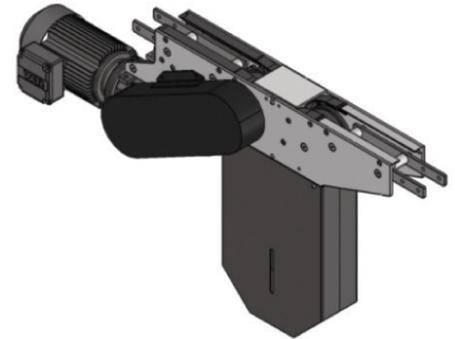
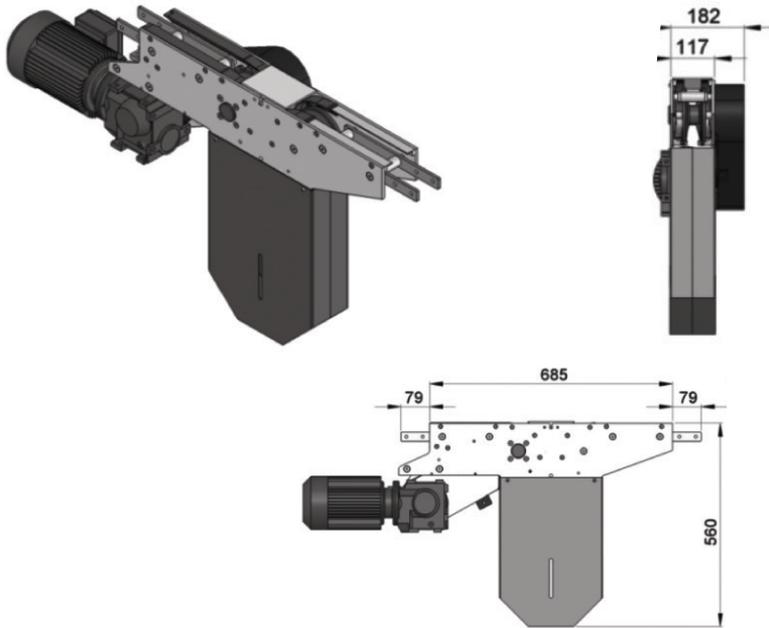
### UOM: pc

Chain required 2-way: 1.6 meter  
Slide rail required 2-way: 1.0 meter

SEW gearmotors are products of SEW Eurodrive

**FC Suspended Catenary Drive without Motor (LEFT)**  
FCCD-SD-0L

**FC Suspended Catenary Drive without Motor (RIGHT)**  
FCCD-SD-0R



**Max Traction Force: 800N**

The Suspended Catenary Drive Unit is with torque limiter.

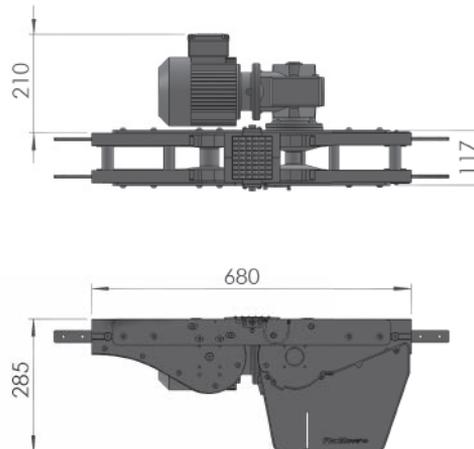
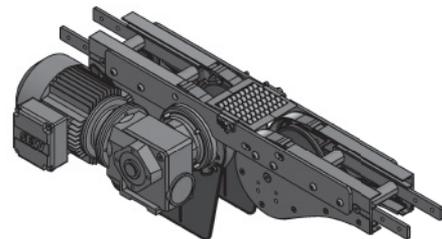
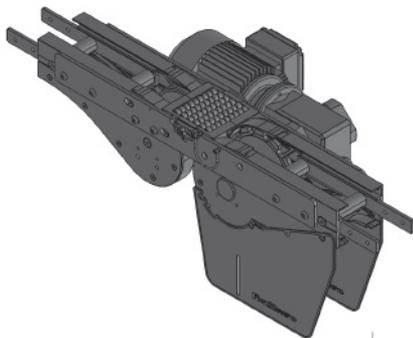
**UOM: pc**

Chain required 1-way: 1.4 meter

Slide rail required 1-way: 1.0 meter

**FC Combined Direct Drive & Idler (LEFT)**  
FCCDI-DD-A105-0L

**FC Combined Direct Drive & Idler (RIGHT)**  
FCCDI-DD-A105-0R



**Max Traction Force: 1250N**

The Combine Direct End Drive Unit is without torque limiter. Standard attached gearmotors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FCCDI-DD-A105-0L represents direct drive without gear motor.

**UOM: pc**

Chain required 2-way: 1.6 meter

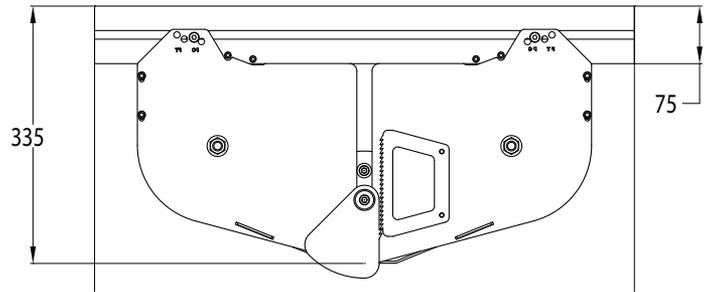
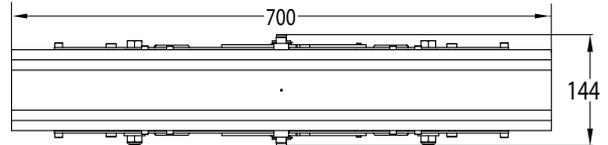
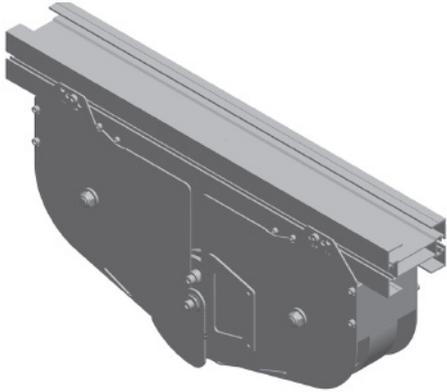
Slide rail required 2-way: 1.0 meter

## FC Weighted Take-up Module

FC-WTU-700



- Provides automatic chain stretch take-up
- Reduces noise caused from catenary tail
- Must be used with GP Drive End, sold separately
- Used on conveyors over 12 M long

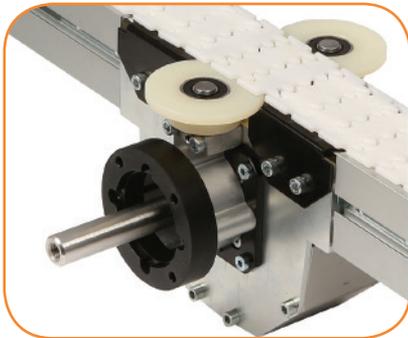


**UOM:** pc

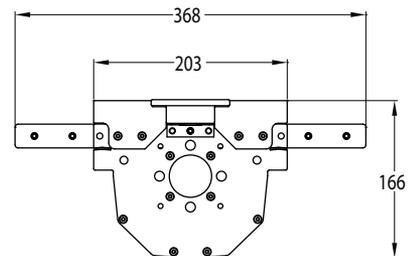
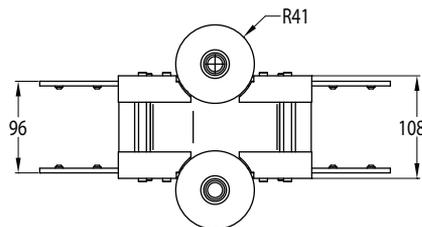
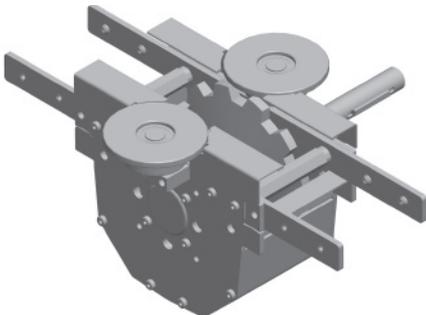
Chain required 1.5 meter  
Slide rail required 2.1 meter

## FC Top Running Drive Module

FCTRD-203



- For top running chain only
- 9M long conveyor length maximum
- 32 Kg load maximum
- Compatible with 3/4 inch shaft gearmotors only

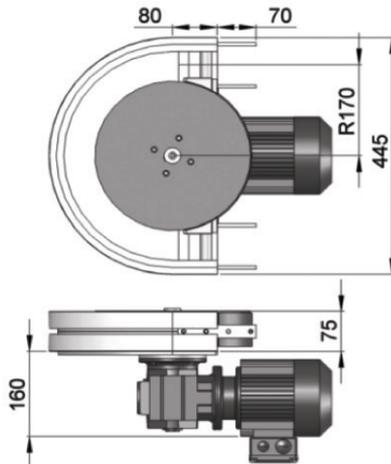
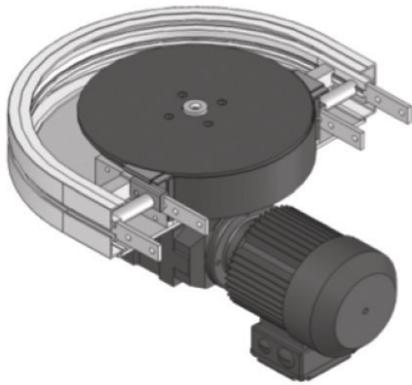


**UOM:** pc

Chain required 0.2 meter

## FC Direct Wheel Drive without Motor

FCWD-DD-0M



### Max Traction Force: 200N

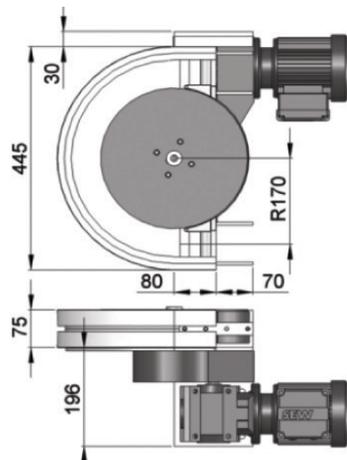
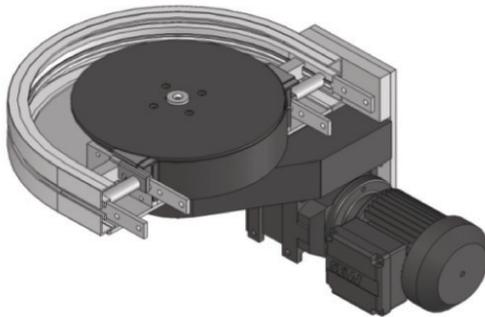
The Direct Wheel Drive Unit is without torque limiter. FCWD-DD-0M represents wheel drive without gear motor. Maximum traction force for FCWD-DD is lower than FCDD and FCSD.

### UOM: pc

Chain required 1-way: 0.7 meter  
Slide rail required 1-way: 0.7 meter

## FC Suspended Wheel Drive without Motor

FCWD-SD-0M



### Max Traction Force: 200N

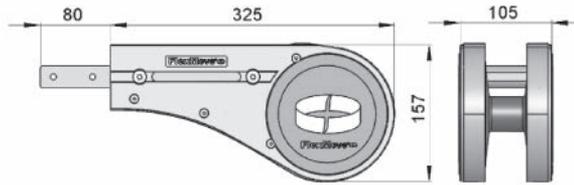
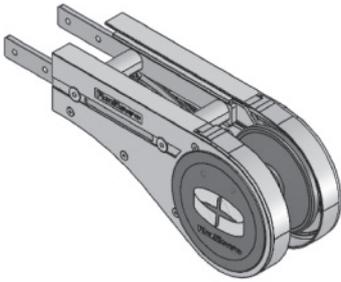
The Suspended Wheel Drive Unit is with torque limiter. FCWD-SD-0M represents wheel drive without motor. Maximum traction force for FCWD-SD is lower than FCDD and FCSD.

### UOM: pc

Chain required 1-way: 0.7 meter  
Slide rail required 1-way: 0.7 meter

## FC Idler End-105

FCIE-A105



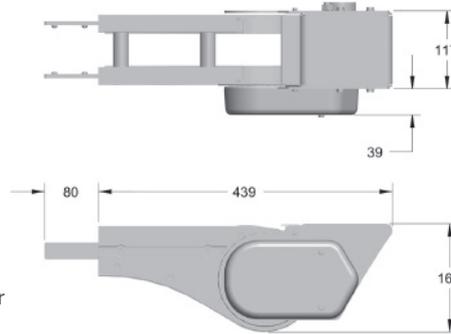
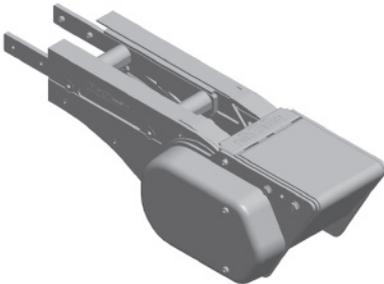
**UOM: pc**

Chain required 2-way: 0.8 meter

Slide rail required 2-way: 0.5 meter

## FC Idler End with Power Transfer (LEFT)

FCIE-A105PT-L

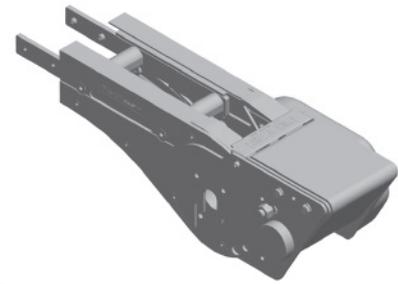


Minimum product length for inline transfer = 100 mm

Provides extended transfer nose for interfacing with large rollers.

## FC Idler End with Power Transfer (RIGHT)

FCIE-A105PT-R



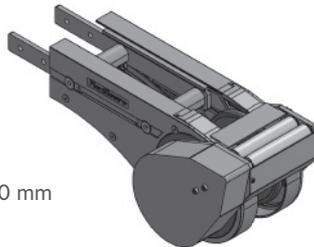
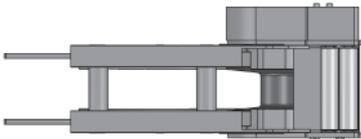
**UOM: pc**

Chain required 2-way: 0.8 meter

Slide rail required 2-way: 0.5 meter

## FC Idler End Driven Transfer Bridge (LEFT)

FCIE-A85DB-L



Minimum product length for inline transfer = 100 mm  
Transfer extends past conveyor only 27 mm

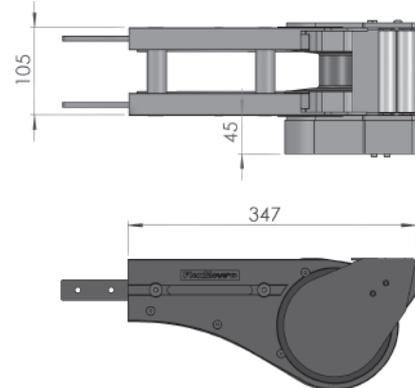
**UOM: pc**

Chain required 2-way: 0.8 meter

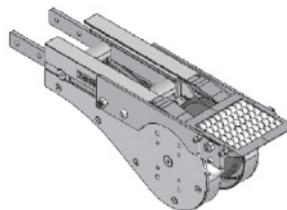
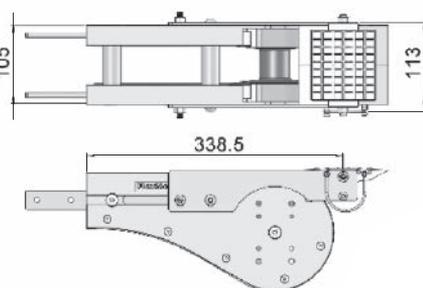
Slide rail required 2-way: 0.5 meter

## FC Direct Drive Driven Transfer Bridge (RIGHT)

FCIE-A85DB-R

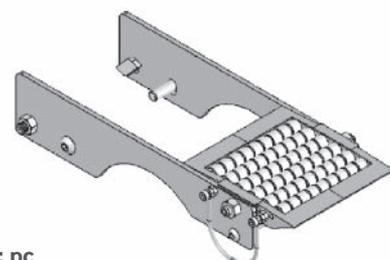


## FC Idler Free Roller Transfer Bridge



FCTB-A105

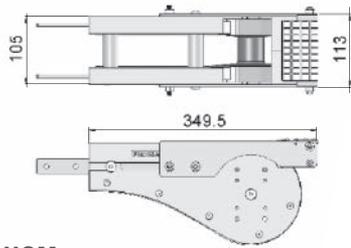
Transfer bridge c/w roller for FCIE-A105, FCDD-A105-XDY and FCDD-A105GP-XDY



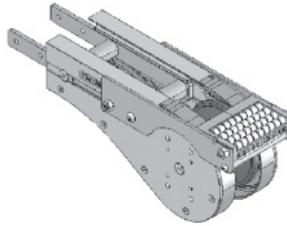
**UOM: pc**

## FC Idler End Free Roller Bridge

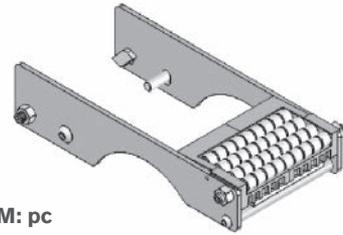
## FCEB-A105



UOM: pc



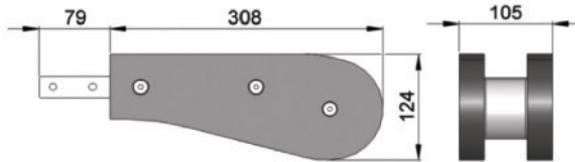
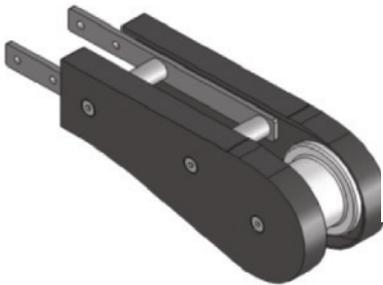
UOM: pc



End transfer bridge c/w roller for FCIE-A105, FCDD-A105-XDY and FCDD-A105GP-XDY

## FC Idler End-308

## FMIE-308

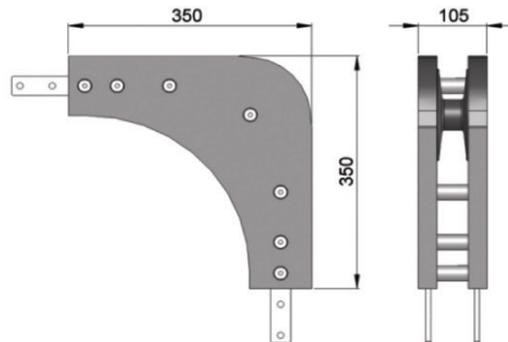


UOM: pc

Chain required 2-way: 0.7 meter  
Slide rail required 2-way: 0 meter

## FC Idler Bend

## FCIB-350



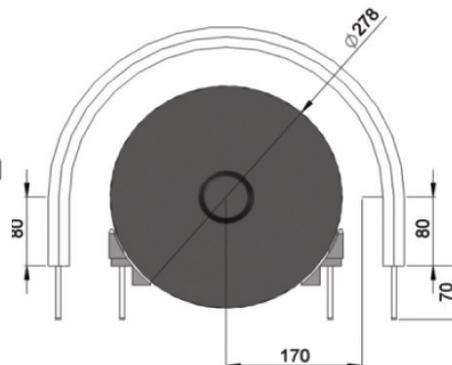
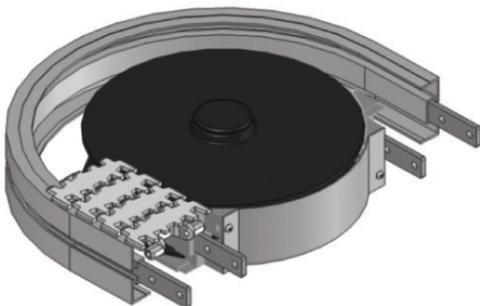
UOM: pc

Chain required 1-way: 0.6 meter  
Slide rail: 0 meter

**Note:** Cannot be used with return chain

## FC Wheel Bend 180°

## FCWB-180R170A



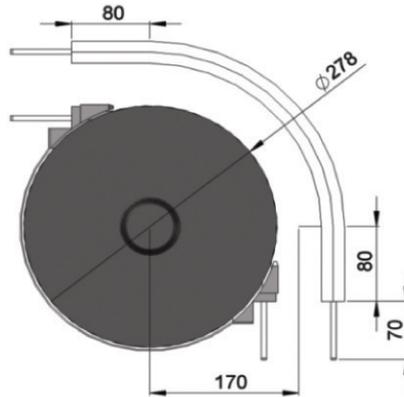
UOM: pc

Chain required 2-way: 1.4 meter  
Slide rail required 2-way: 1.4 meter

SEW gearmotors are products of SEW Eurodrive

## FC Wheel Bend 90°

FCWB-90R170A

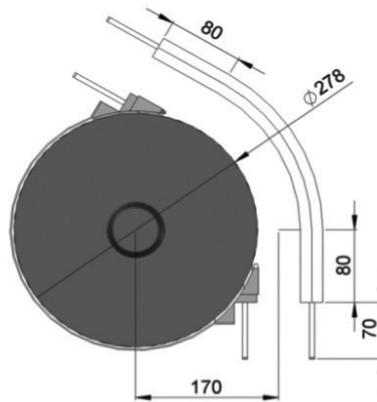


**UOM: pc**

Chain required 2-way: 0.9 meter  
Slide rail required 2-way: 0.9 meter

## FC Wheel Bend 60°

FCWB-60R170A

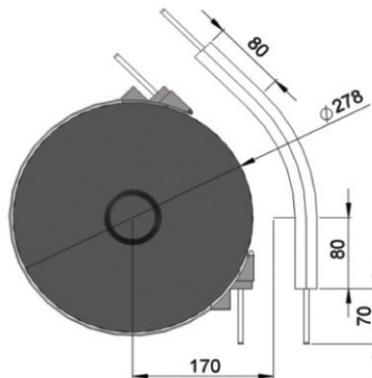
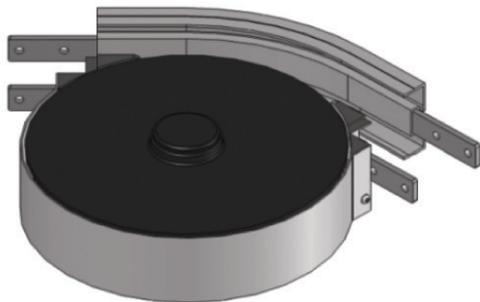


**UOM: pc**

Chain required 2-way: 0.7 meter  
Slide rail required 2-way: 0.7 meter

## FC Wheel Bend 45°

FCWB-45R170A

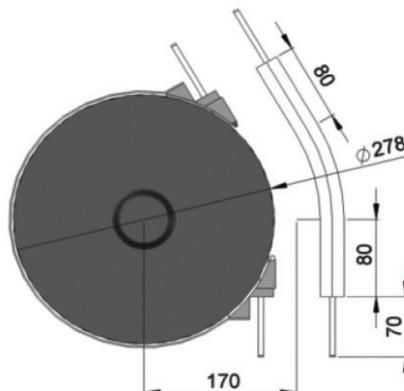
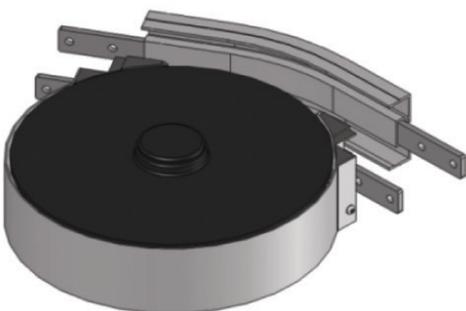


**UOM: pc**

Chain required 2-way: 0.6 meter  
Slide rail required 2-way: 0.6 meter

## FC Wheel Bend 30°

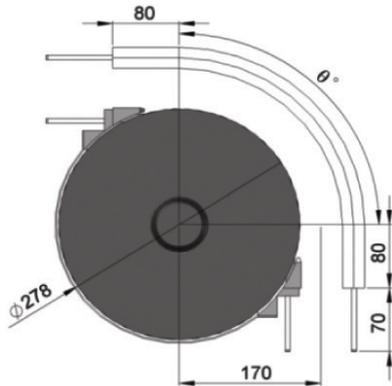
FCWB-30R170A



**UOM: pc**

Chain required 2-way: 0.5 meter  
Slide rail required 2-way: 0.5 meter

## FC Wheel Bend 5° - 180°



### Example for FC Wheel Bend Ordering

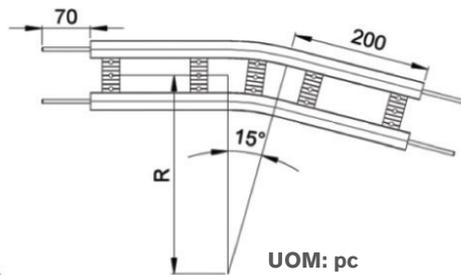
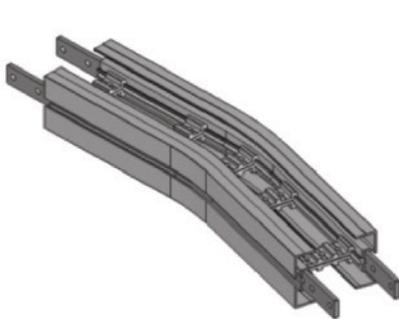
- Wheel bend,  $\theta^\circ \pm 1^\circ$
- FCWB- $\theta^\circ$ R170A

If an angle of 65° is needed for wheel bend, the ordering part number is

### FCWB-65R170A

The outer bend is assembled using connecting strip (FACS-25x140A). Angle of  $\theta^\circ$  must be indicated when ordering.

## FC Horizontal Plain Bend 15°



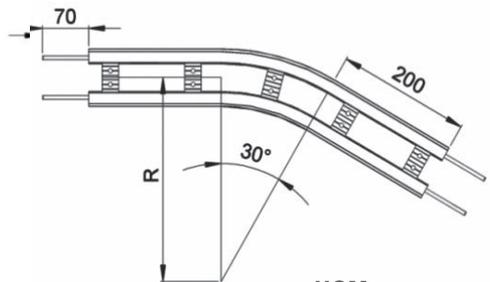
### Horizontal plain bend, 15° ± 1°

- |                  |                     |
|------------------|---------------------|
| R = 300 ± 10 mm  | <b>FCHB-15R300</b>  |
| R = 500 ± 10 mm  | <b>FCHB-15R500</b>  |
| R = 700 ± 10 mm  | <b>FCHB-15R700</b>  |
| R = 1000 ± 10 mm | <b>FCHB-15R1000</b> |

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1, 1.1, 1.2, 1.3 meter  
Slide rail required 2-way (300, 500, 700, 1000): 1.9, 2.1, 2.3, 2.6 meter

## FC Horizontal Plain Bend 30°



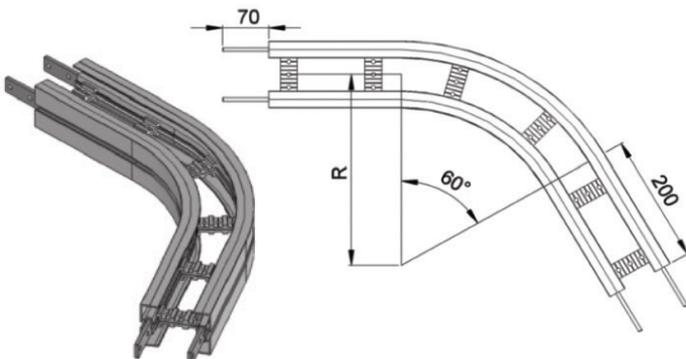
### Horizontal plain bend, 30° ± 1°

- |                  |                     |
|------------------|---------------------|
| R = 300 ± 10 mm  | <b>FCHB-30R300</b>  |
| R = 500 ± 10 mm  | <b>FCHB-30R500</b>  |
| R = 700 ± 10 mm  | <b>FCHB-30R700</b>  |
| R = 1000 ± 10 mm | <b>FCHB-30R1000</b> |

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1.1, 1.3, 1.5, 1.8 meter  
Slide rail required 2-way (300, 500, 700, 1000): 2.2, 2.6, 3.1, 3.7 meter

## FC Horizontal Plain Bend 60°



### Horizontal plain bend, 60° ± 1°

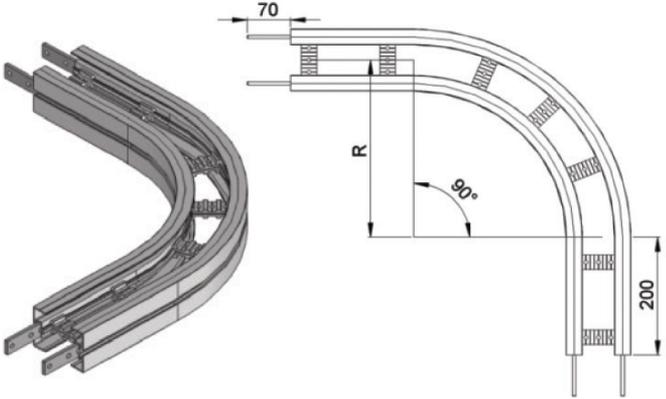
- |                  |                     |
|------------------|---------------------|
| R = 300 ± 10 mm  | <b>FMHB-60R300</b>  |
| R = 500 ± 10 mm  | <b>FMHB-60R500</b>  |
| R = 700 ± 10 mm  | <b>FMHB-60R700</b>  |
| R = 1000 ± 10 mm | <b>FMHB-60R1000</b> |

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1.4, 1.8, 2.3, 2.9 meter  
Slide rail required 2-way (300, 500, 700, 1000): 2.9, 3.7, 4.5, 5.8 meter

SEW gearmotors are products of SEW Eurodrive

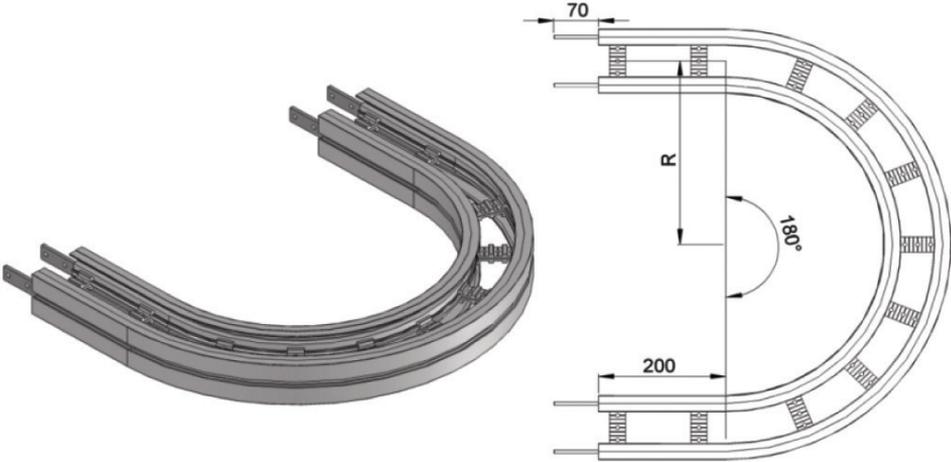
**FC Horizontal Plain Bend 90°**



- Horizontal plain bend, 90° ± 1°**
- R = 300 ± 10 mm    **FCHB-90R300**
  - R = 500 ± 10 mm    **FCHB-90R500**
  - R = 700 ± 10 mm    **FCHB-90R700**
  - R = 1000 ± 10 mm   **FCHB-90R1000**

**UOM: pc**  
 Chain required 2-way (300, 500, 700, 1000): 1.7, 2.4, 3.0, 3.9 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 3.5, 4.7, 6.0, 7.9 meter

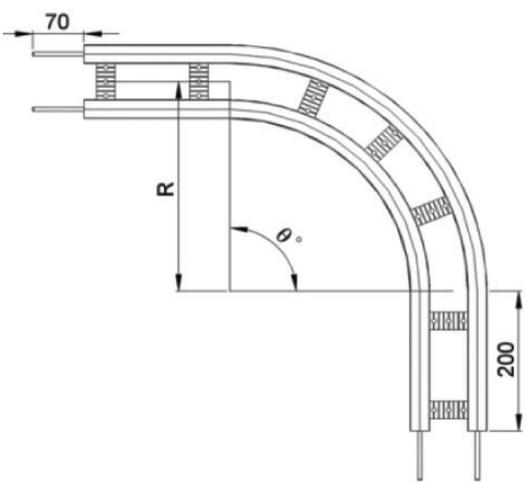
**FC Horizontal Plain Bend 180°**



- Horizontal plain bend, 180° ± 1°**
- R = 300 ± 10 mm    **FCHB-180R300**
  - R = 500 ± 10 mm    **FCHB-180R500**
  - R = 700 ± 10 mm    **FCHB-180R700**
  - R = 1000 ± 10 mm   **FCHB-180R1000**

**UOM: pc**  
 Chain required 2-way (300, 500, 700, 1000) : 2.7, 4.0, 5.2, 7.1 meter  
 Slide rail required 2-way(300, 500, 700, 1000): 5.4, 7.9, 1.1, 14.2 meter

**FC Horizontal Plain Bend 5° - 180°**



**Example for FC Horizontal Plain Bend Ordering**

- Horizontal plain bend, θ° ± 1°**
- R = 300 ± 10 mm    **FCHB- θ°R300**
  - R = 500 ± 10 mm    **FCHB- θ°R500**
  - R = 700 ± 10 mm    **FCHB- θ°R700**
  - R = 1000 ± 10 mm   **FCHB- θ°R1000**

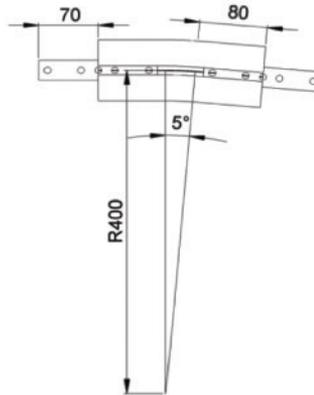
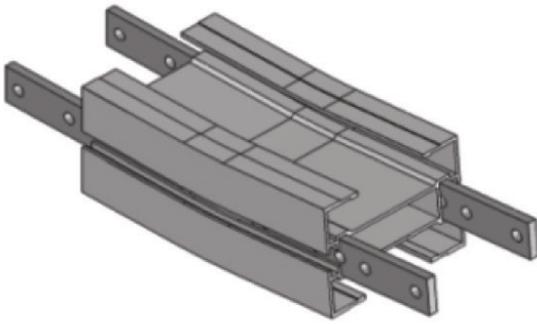
If an angle of 120° is needed for radius R500 horizontal plain bend, the ordering part number is

**FCHB-120R500**

**UOM: pc**  
 Chain required 2-way (300, 500, 700, 1000) : meter (variable to angle)  
 Slide rail required 2-way(300, 500, 700, 1000): meter (variable to angle)

## FC Vertical Bend 5°

FCVB-5R400

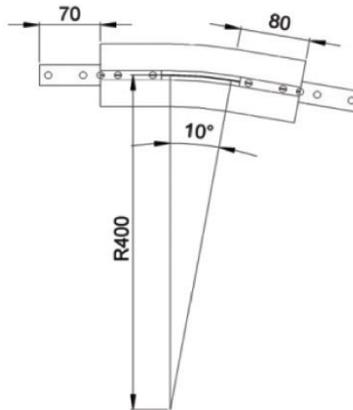
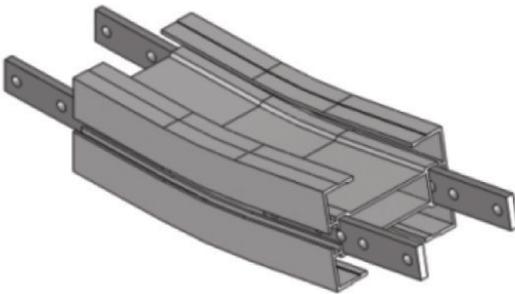


**UOM: pc**

Chain required 2-way: 0.4 meter  
Slide rail required 2-way: 0.8 meter

## FC Vertical Bend 10°

FCVB-10R400

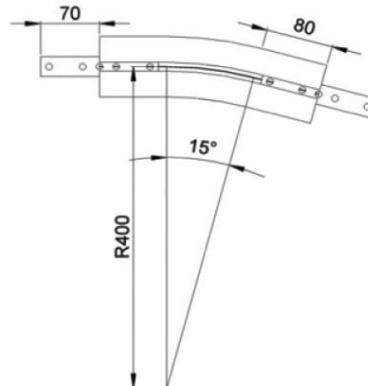
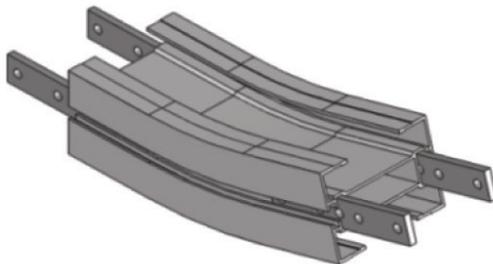


**UOM: pc**

Chain required 2-way: 0.5 meter  
Slide rail required 2-way: 0.9 meter

## FC Vertical Bend 15°

FCVB-15R400

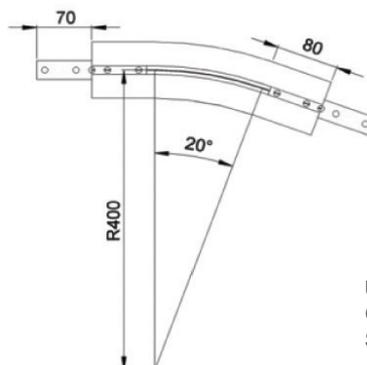
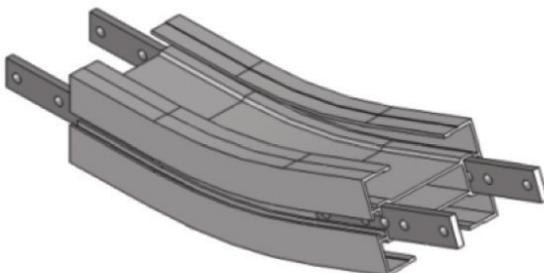


**UOM: pc**

Chain required 2-way: 0.5 meter  
Slide rail required 2-way: 1.1 meter

## FC Vertical Bend 20°

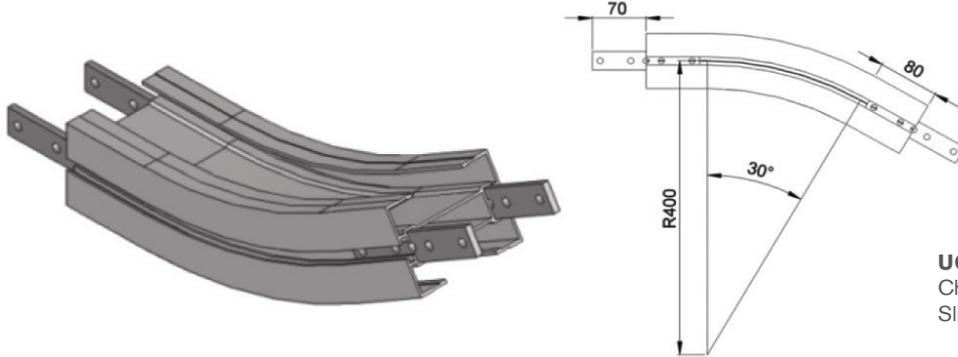
FCVB-20R400



**UOM: pc**

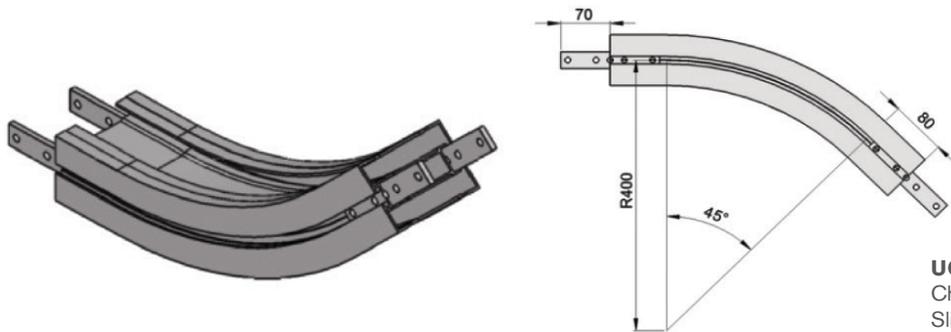
Chain required 2-way: 0.6 meter  
Slide rail required 2-way: 1.2 meter

**FC Vertical Bend 30°** FMVB-30R400



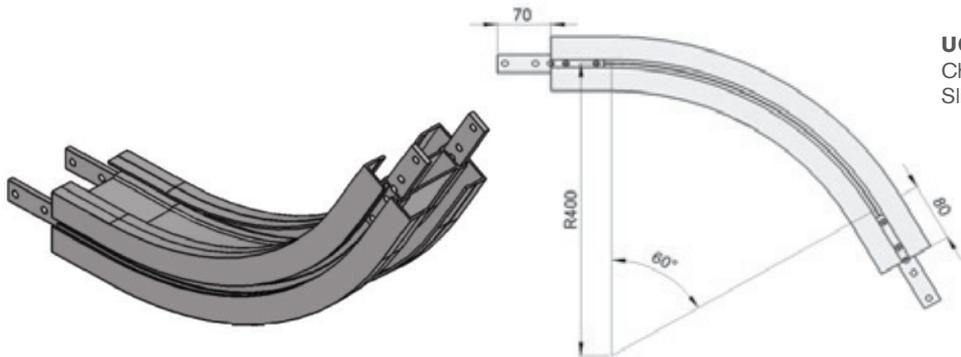
**UOM: pc**  
 Chain required 2-way: 0.7 meter  
 Slide rail required 2-way: 1.5 meter

**FC Vertical Bend 45°** FCVB-45R400



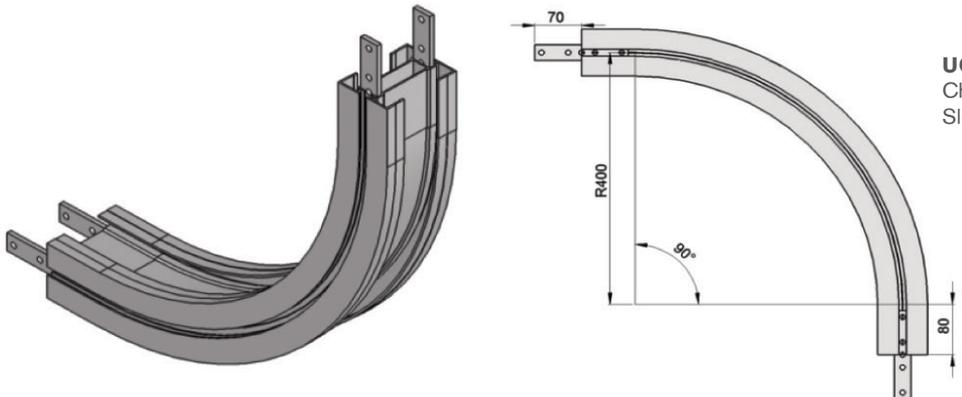
**UOM: pc**  
 Chain required 2-way: 0.9 meter  
 Slide rail required 2-way: 1.9 meter

**FC Vertical Bend 60°** FCVB-60R400



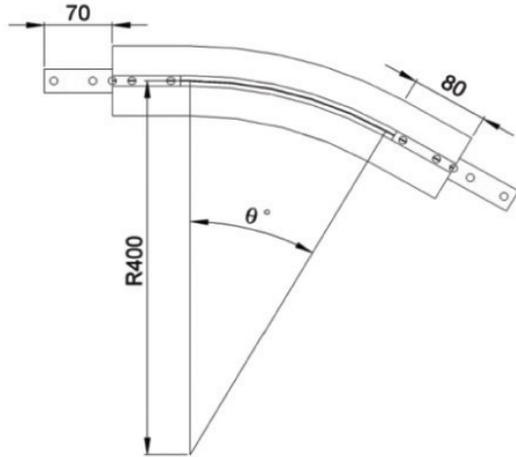
**UOM: pc**  
 Chain required 2-way: 1.2 meter  
 Slide rail required 2-way: 2.3 meter

**FC Vertical Bend 90°** FCVB-90R400



**UOM: pc**  
 Chain required 2-way: 1.6 meter  
 Slide rail required 2-way: 3.2 meter

## FC Vertical Bend 5° - 90°



### Example for FC Vertical Bend Ordering

- Vertical bend,  $\varnothing \pm 1^\circ$
- FCVB- $\varnothing^\circ$ R400

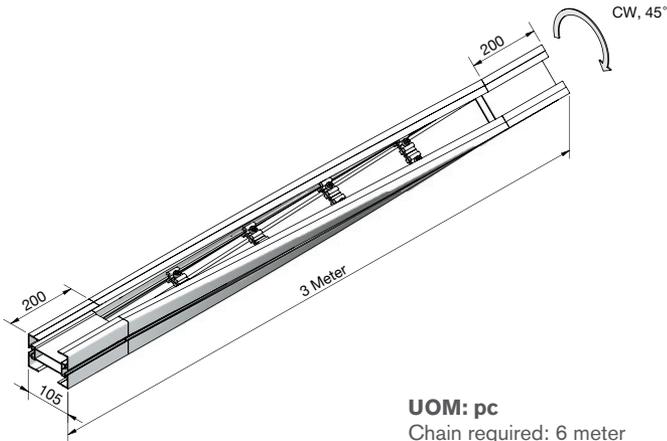
If an angle of  $65^\circ$  is needed for vertical bend, the ordering part number is

### **FCVB-65R400**

*The outer bend is assembled using connecting strip (FACS-25x140A). Angle of " $\varnothing^\circ$ " must be indicated when ordering.*

## FC 45 Degree Twist Conveyor Beam (Clockwise)

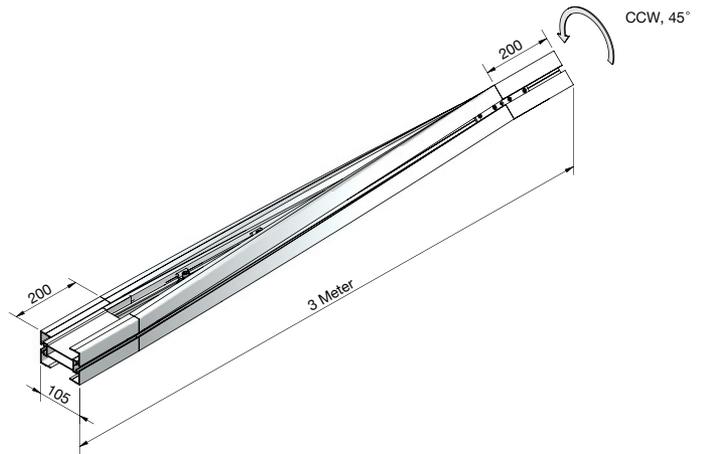
FCTB-CW45x3000



**UOM: pc**  
Chain required: 6 meter  
Slide rail required: 12 meter

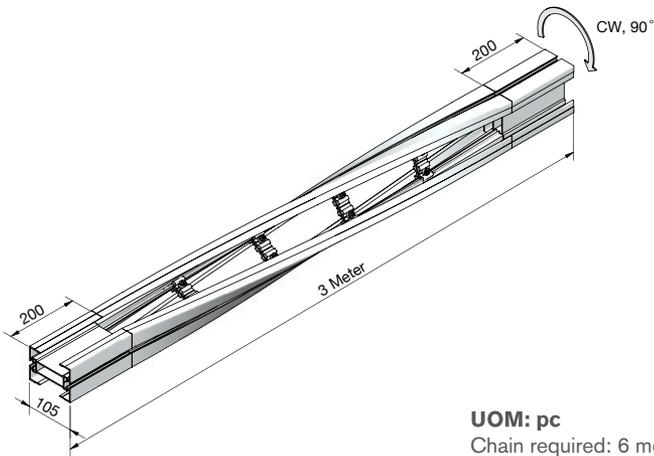
## FC 45 Degree Twist Conveyor Beam (Counter-Clockwise)

FCTB-CCW45x3000



## FC 90 Degree Twist Conveyor Beam (Clockwise)

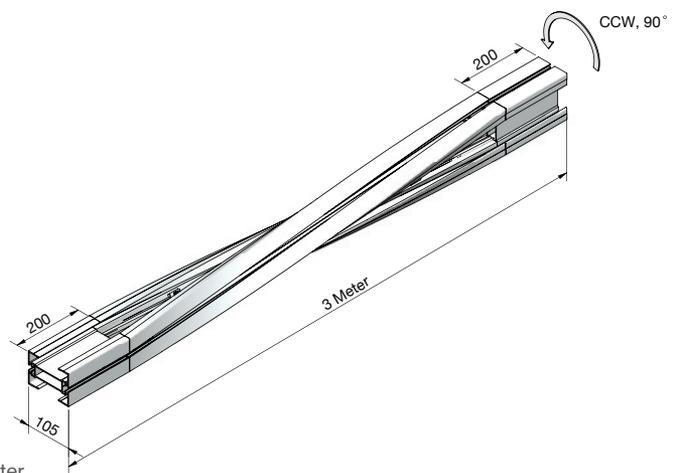
FCTB-CW90x3000



**UOM: pc**  
Chain required: 6 meter  
Slide rail required: 12 meter

## FC 90 Degree Twist Conveyor Beam (Counter-Clockwise)

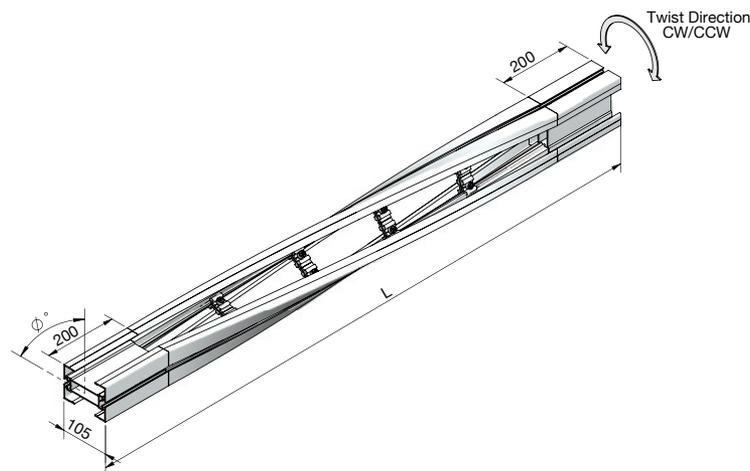
FCTB-CCW90x3000



## FC Twist Conveyor Beam 15° - 90°

FCTB-AAABx3000

Where AAA = CW or CCW, BB = Angle



### Example for FC Twist Conveyor Beam Ordering

- Twist Conveyor Beam,  $\varnothing^\circ \pm 5^\circ$

If an angle of  $30^\circ$  is needed for twist beam, in clockwise direction and length 3.0 m, the ordering part number is

**FCTB-CW30x3000**

Angle of  $\varnothing^\circ$ , twist direction, and length L, must be indicated when ordering.

**UOM: pc**  
Chain required: 6 meter  
Slide rail required: 12 meter

Variety of chain type suitable for wide range of applications either horizontal or vertical product transportation. Capacity higher than FK, FS, FM. The maximum product width to be conveyed can be referred to guide rail assembly pages.

### FL Series Characteristic

**Beam Width:** 150 mm

**Product Width:** Refer to Guide Rail Assembly

### Accessories Needed

**Slide Rail Required:** FASR-25 OR FASR-25U

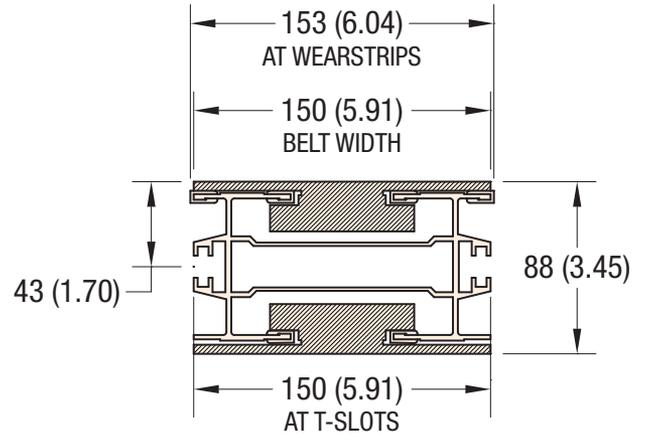
**Slide Rail Color:** White or Natural Color

**Slide Rail Material:** HDPE OR UHMW

**Slide Rail Rivet & Screw:** FASLR-4X6 or FASLS-M5

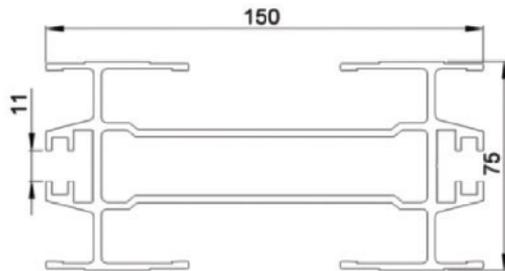
Connecting strip is used to connect two beams.

**Connecting Strip:** FACS-25x140A

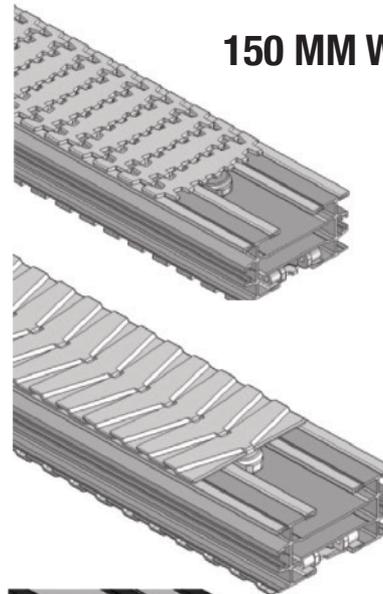


**150 MM WIDTH**

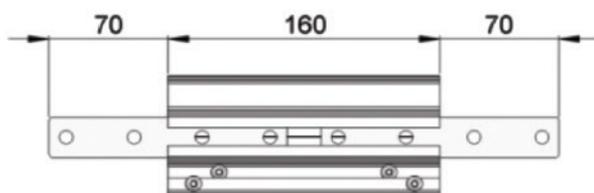
### Conveyor Beam **FLCB-3**



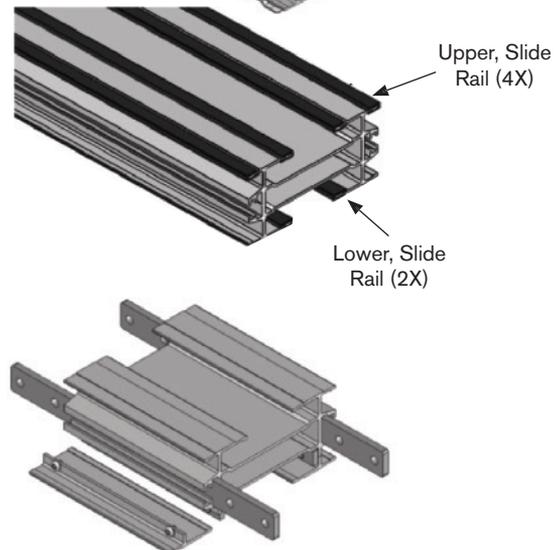
UOM: 3 Meter / Length



### Chain Connecting Module **FLCC-160**



UOM: pc



### Chain Common Data

**Packaging:** 5 m per box

**Pitch:** 35.5 mm

**Width:** 150 mm

Tensile Strength at 20°C: 6000N

**Color:** White & Black (Conductive)

### Material:

**Chain:** White Acetal / POM

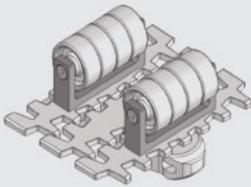
**Pivot:** Polyamide

**Pivot Pin:** Stainless Steel

**Insert (Wedge & Friction):** TPE Grey

### Example for FLRC-5B-L#

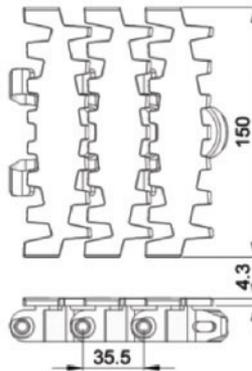
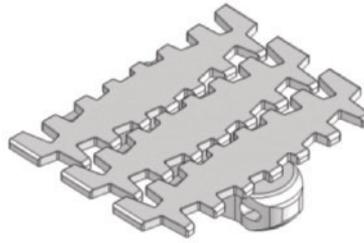
# = 1 cleated top chain with alternate of # link of plain chain



The above chain is FLRC-5B-L1, 1 link cleated top chain with alternate of 1 link of plain chain.

**Note:** # = 1, 2, 3, 4, 5.....20

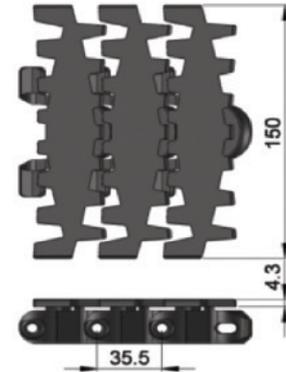
### Standard Plain Chain **FLPC-5**



**UOM: 5 Meter / box**

Application: Suitable for horizontal and slope < 5° transport of products with accumulation.

### Conductive Chain **FLPC-5CD**

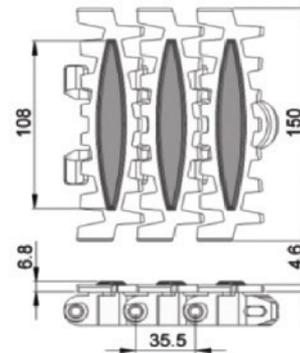
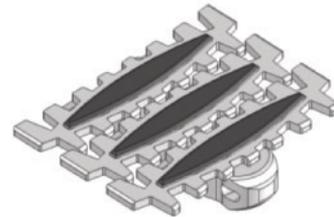


**UOM: 5 Meter / box**

Application: Suitable for transport of static sensitive product.



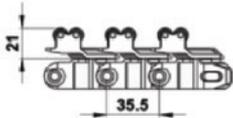
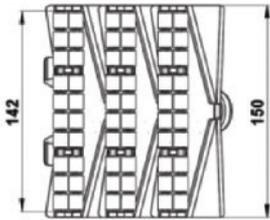
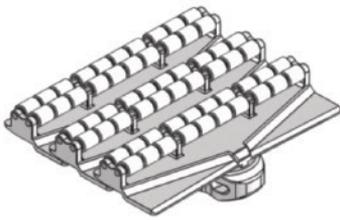
### Friction Top Chain **FLFT-5**



**UOM: 5 Meter / box**

Application: Suitable for transport product in slope > 5° but ≤ 30° without accumulation.

## Roller Top Chain **FLRT-5V**

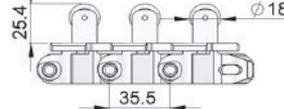
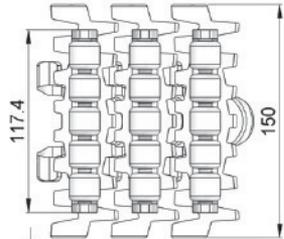
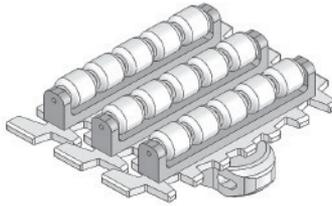


**UOM: 5 Meter / box**

Application: Suitable for accumulation of product with low friction and pressure.

## Roller Cleat Chain **FLRC-5A-L#**

# = 1, 2, 3, 4, 5.....20

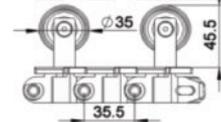
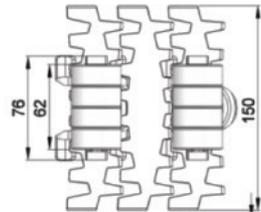
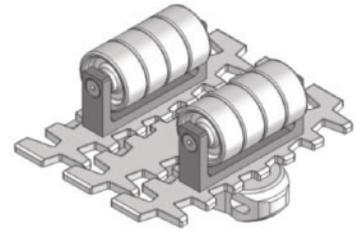


**UOM: 5 Meter / box**

Application: Suitable for vertical transportation of product in slope with no accumulation.

## Roller Cleat Chain **FLRC-5B-L#**

# = 1, 2, 3, 4, 5.....20

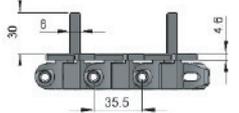
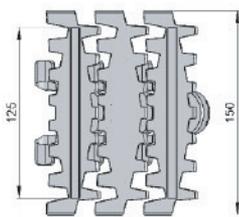
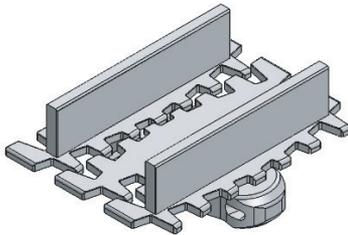


**UOM: 5 Meter / box**

Application: Suitable for vertical transportation of product in slope with no accumulation.

## Cleat Top Chain **FLCT-5A30-L#**

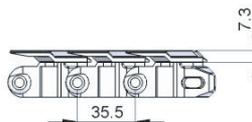
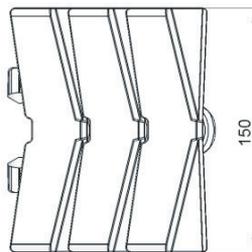
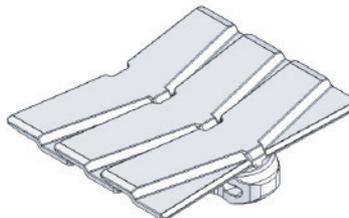
# = 1, 2, 3, 4, 5.....20



**UOM: 5 Meter / box**

Application: Suitable for vertical transportation of product in slope with no accumulation.

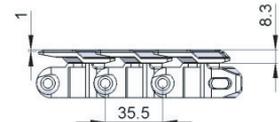
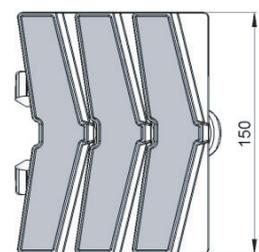
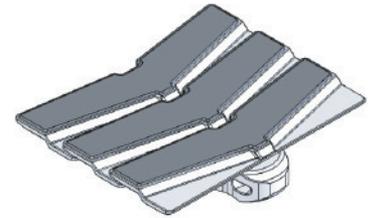
## Safety Chain-V **FLPC-5V**



**UOM: 5 Meter / box**

Application: (Safety Chain) Suitable for horizontal and slope <math>< 5^\circ</math> transport of products with accumulation.

## Safety Chain Friction Top **FLFT-5V**

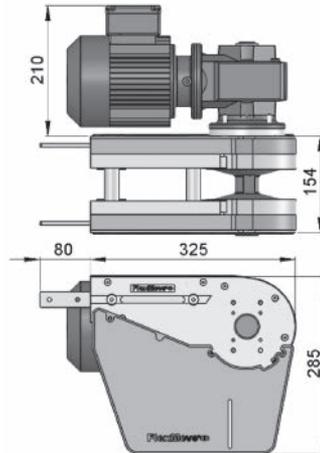
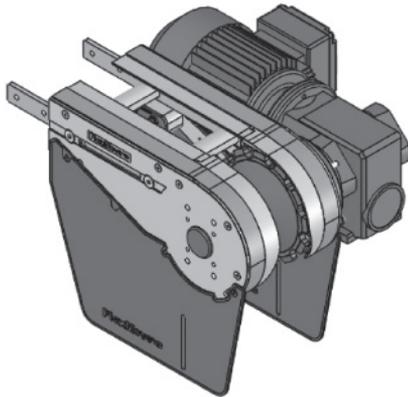


**UOM: 5 Meter / box**

Application: (Safety Chain) Suitable for transport product in slope >math>5^\circ</math> but  $\le 30^\circ</math> without accumulation.$

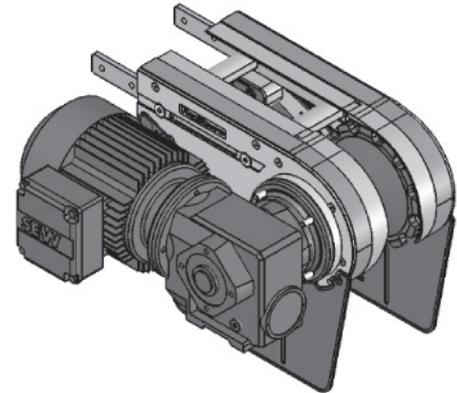
### FL Direct End Drive without Motor (LEFT)

FLDD-A150-XDY (See Chart)



### FL Direct End Drive without Motor (RIGHT)

FLDD-A150-XDY (See Chart)



Part Number		Shaft Selection	Direction	Aux Shaft Selection
FLDD-A150	-	X	D	Y
		0 = 20 mm	L = Left	Blank = No Aux Shaft
		E = 3/4 in*	R = Right	A = 20 mm Aux Shaft
		A = 20 mm Aux Only		

\*3/4 inch shaft option available in North America only.

### Max Traction Force: 1250N

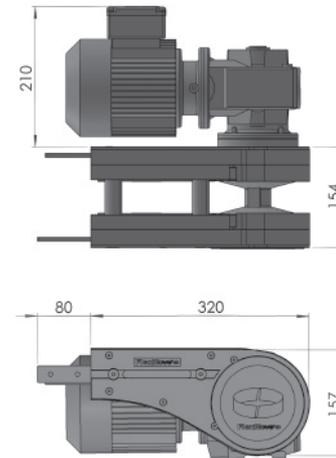
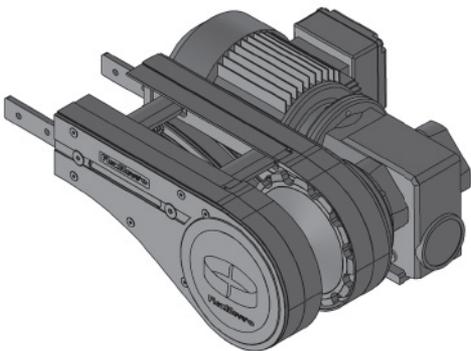
The Direct End Drive Unit is without torque limiter.

### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

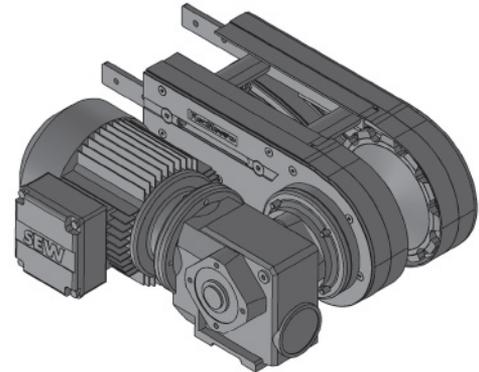
### FL Direct End Drive unit without Motor GP (LEFT)

FLDD-A150GP-XDY (See Chart)



### FL Direct End Drive unit without Motor GP (RIGHT)

FLDD-A150GP-XDY (See Chart)



Part Number		Shaft Selection	Direction	Aux Shaft Selection
FLDD-A150GP	-	X	D	Y
		0 = 20 mm	L = Left	Blank = No Aux Shaft
		E = 3/4 in*	R = Right	A = 20 mm Aux Shaft
		A = 20 mm Aux Only		

\*3/4 inch shaft option available in North America only.

### Max Traction Force: 1250N

The Direct End Drive Unit GP is without torque limiter.

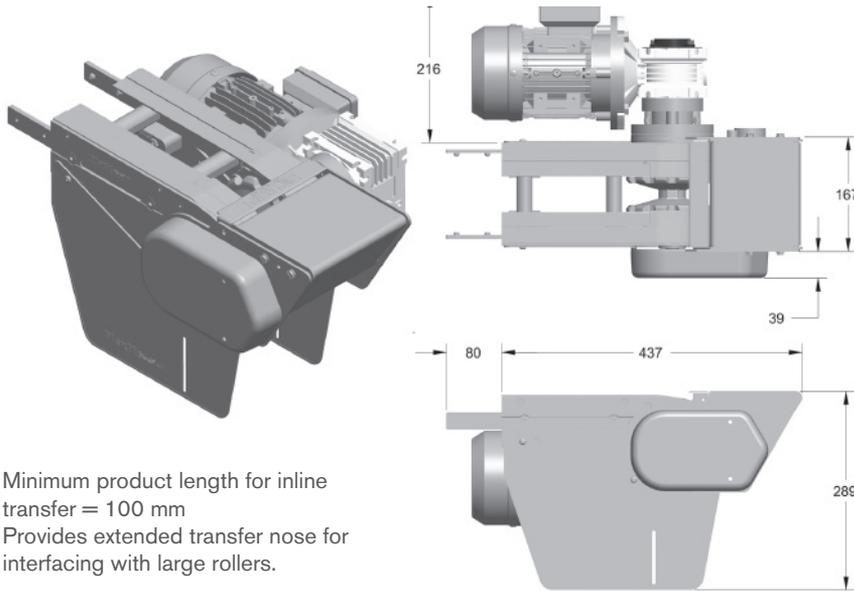
### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

SEW gearmotors are products of SEW Eurodrive

## FL Direct with Power Transfer Motor (LEFT)

FLDD - A150PT-XD (See Chart)



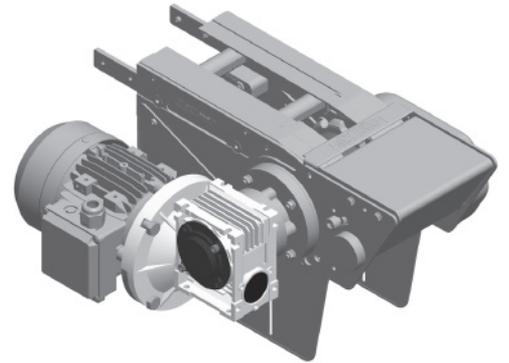
Minimum product length for inline transfer = 100 mm  
Provides extended transfer nose for interfacing with large rollers.

Part Number		Shaft Selection	Direction
FLDD-A150PT	-	X	D
		0 = 20 mm	L = Left
		E = 3/4 in*	R = Right

\*3/4 inch shaft option available in North America only.

## FL Direct with Power Transfer Motor (RIGHT)

FLDD - A150PT-XD (See Chart)

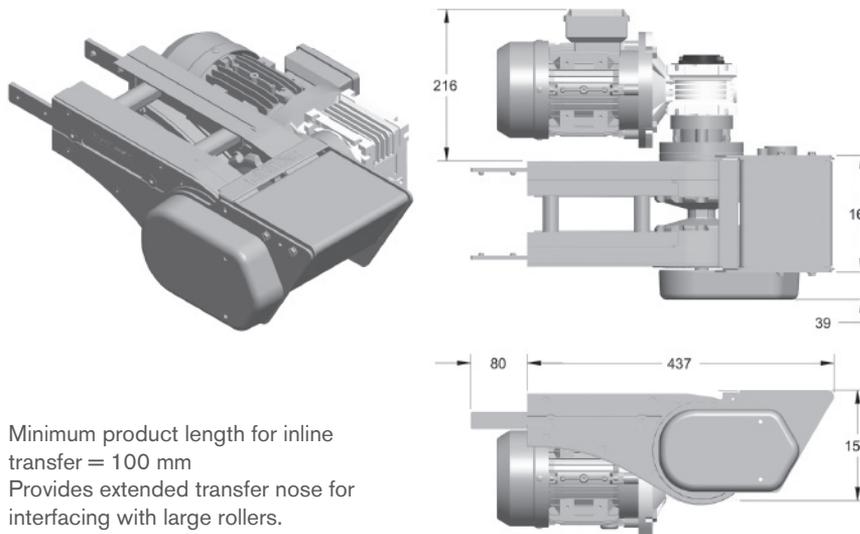


**Max Traction Force: 1250N**  
The Direct End Drive Unit is without torque limiter.

**UOM: pc**  
Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

## FL GP Direct with Power Transfer Motor (LEFT)

FLDD-A150GPPT-XD (See Chart)



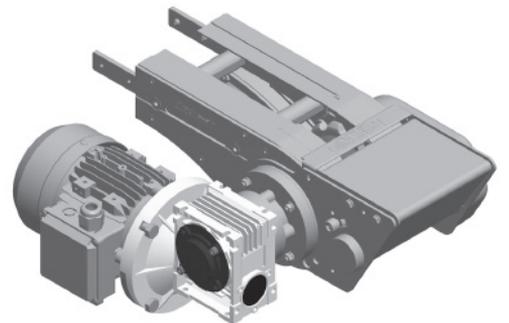
Minimum product length for inline transfer = 100 mm  
Provides extended transfer nose for interfacing with large rollers.  
Requires the use of connecting module for chain maintenance.

Part Number		Shaft Selection	Direction
FLDD-A150GPPT	-	X	D
		0 = 20 mm	L = Left
		E = 3/4 in*	R = Right

\*3/4 inch shaft option available in North America only.

## FL GP Direct with Power Transfer Motor (RIGHT)

FLDD-A150GPPT-XD (See Chart)



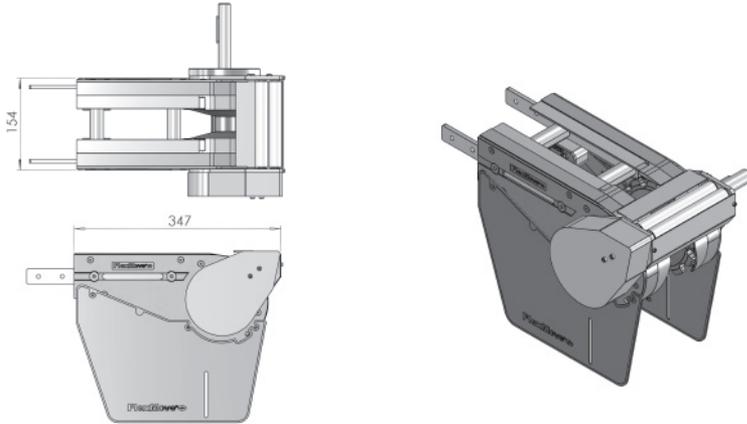
**Max Traction Force: 1250N**  
The Direct End Drive Unit GP is without torque limiter.

**UOM: pc**  
Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

SEW gearmotors are products of SEW Eurodrive

## FL Direct Drive Driven Transfer Bridge (LEFT)

FLDD-A150DB-A-0L



**UOM: pc**

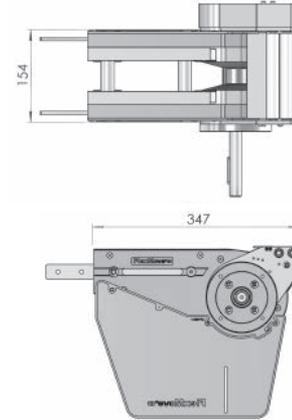
20 mm Shaft only.

Minimum product length for inline transfer = 100 mm

Transfer extends past conveyor only 27 mm

## FL Direct Drive Driven Transfer Bridge (RIGHT)

FLDD-A150DB-A-0R



**Max Traction Force: 1250N**

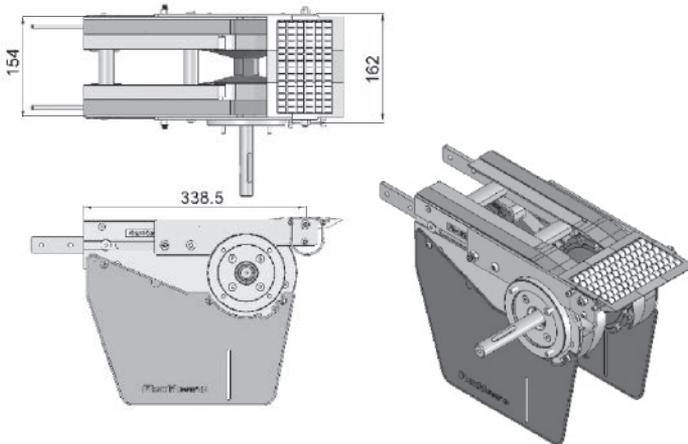
The Direct End Drive Unit is without torque limiter.

**UOM: pc**

Chain required 2-way: 0.8 meter

Slide rail required 2-way: 0.5 meter

## FL Direct Drive Free Roller Transfer Bridge (LEFT/RIGHT)



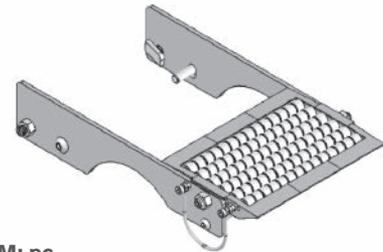
FLTB-A150

Transfer bridge c/w roller for FLIE-A150

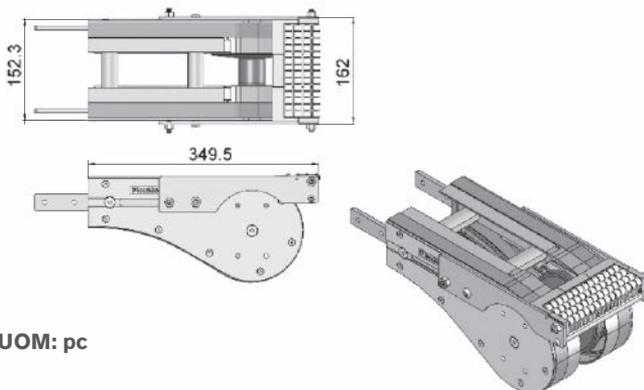
Transfer bridge c/w roller for FLDD-A150-0L

Transfer bridge c/w roller for FLDD-A150-0R

**UOM: pc**



## FL Idler End Free Roller Bridge



**UOM: pc**

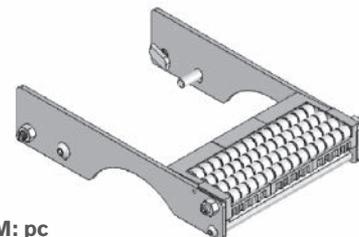
FLIE-A150

End transfer bridge c/w roller for FLIE-A150

End transfer bridge c/w roller for FLDD-A150-0L

End transfer bridge c/w roller for FLDD-A150-0R

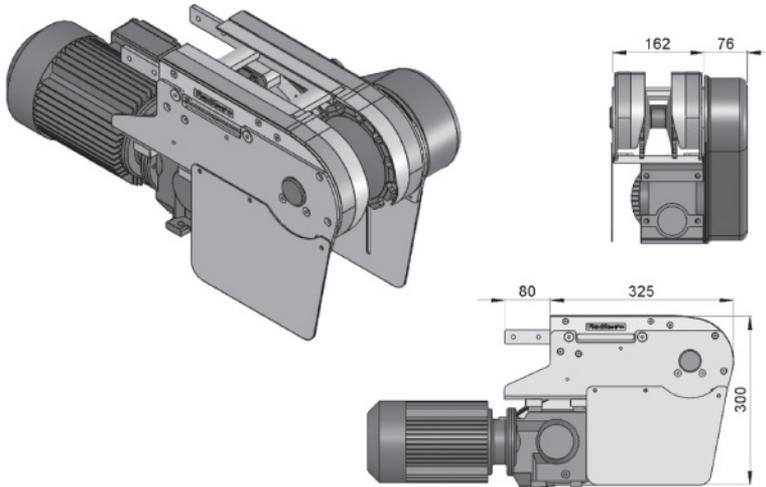
**UOM: pc**



SEW gearmotors are products of SEW Eurodrive

## FL Suspended End Drive without Motor (LEFT)

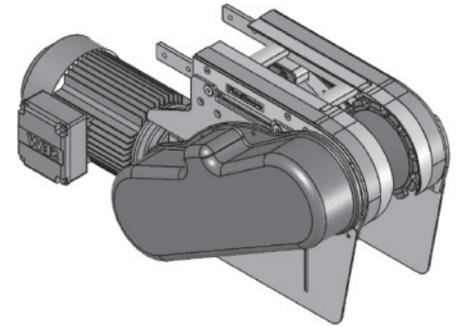
FLSD-A150-0L (with Torque Limiter)  
 FLSD-A150SPT-0L (without Torque Limiter)



- Locates gearmotor below conveyor for compact applications.
- Includes torque limiter protecting chain and motor from overload.
- Chain pull capacity at 1250N for unit without torque limiter.
- Chain pull capacity at 840N for unit with torque limiter.

## FL Suspended End Drive without Motor (RIGHT)

FLSD-A150-0R (with Torque Limiter)  
 FLSD-A150SPT-0R (without Torque Limiter)

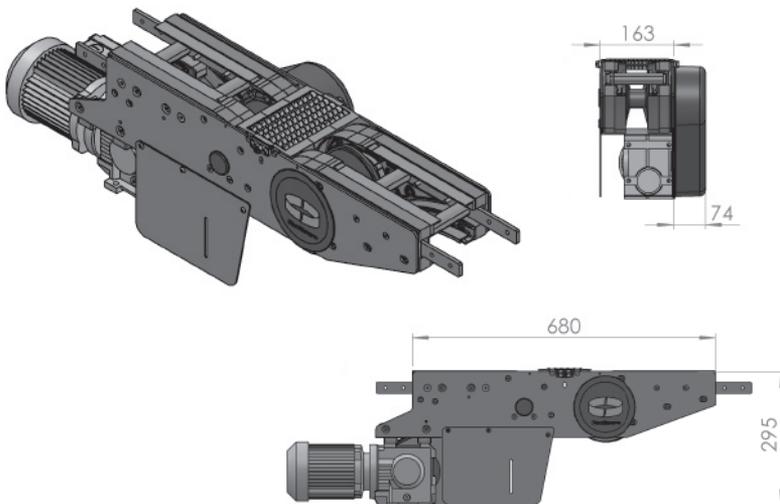


**Max Traction Force:**  
**1250N** (without limiter)  
**800N** (with limiter)

**UOM: pc**  
 Chain required 2-way: 0.8 meter  
 Slide rail required 2-way: 0.5 meter

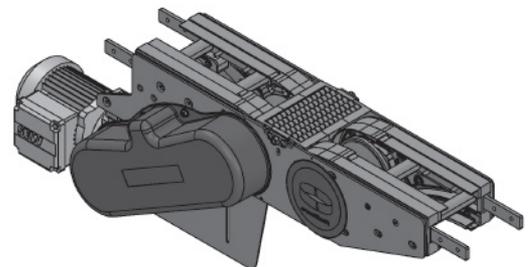
## FL Combined Suspended Drive & Idler (LEFT)

FLCDI-SD-A150-0L



## FL Combined Suspended Drive & Idler (RIGHT)

FLCDI-SD-A150-0R



**Max Traction Force: 800N**  
 The Combine Suspended End Drive Unit is with torque limiter.

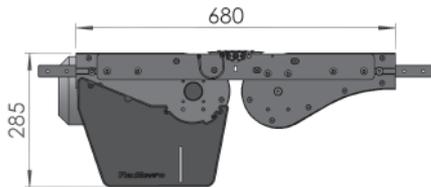
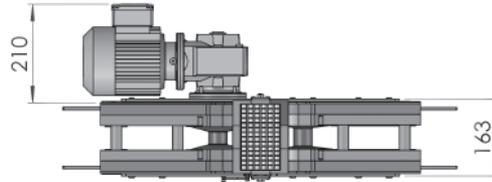
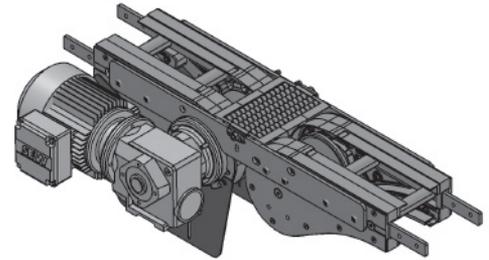
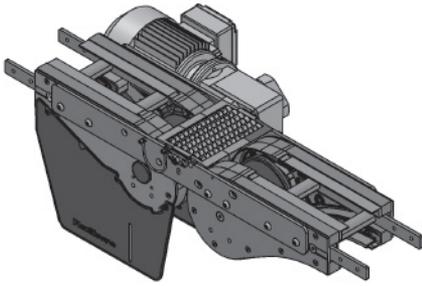
**UOM: pc**  
 Chain required 2-way: 1.6 meter  
 Slide rail required 2-way: 1.0 meter

FL Combined Direct Drive & Idler (LEFT)

FLCDI-DD-A150-0L

FL Combined Direct Drive & Idler (RIGHT)

FLCDI-DD-A150-0R



**Max Traction Force: 1250N**

The Combine Direct End Drive Unit is without torque limiter.

**UOM: pc**

Chain required 2-way: 1.6 meter

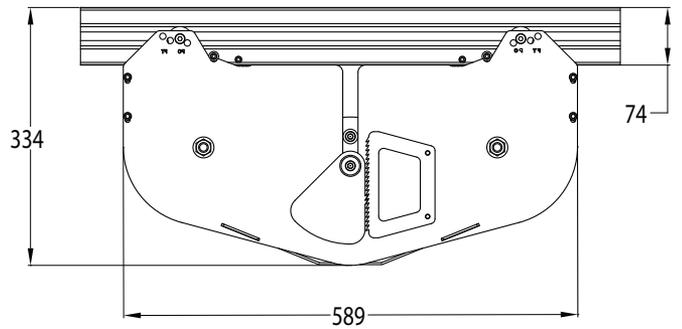
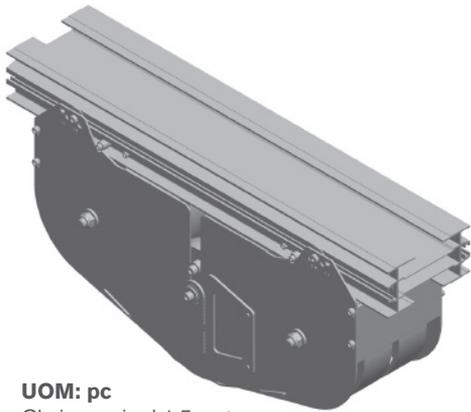
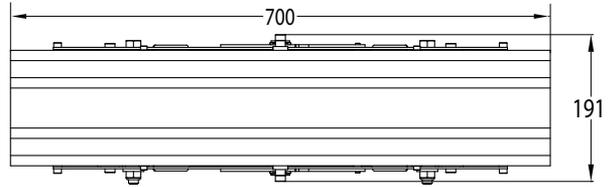
Slide rail required 2-way: 1.0 meter

## FL Weighted Take-up Module

FL-WTU-700



- Provides automatic chain stretch take-up
- Reduces noise caused from catenary tail
- Must be used with GP Drive End, sold separately
- Used on conveyors over 12 M long



**UOM: pc**

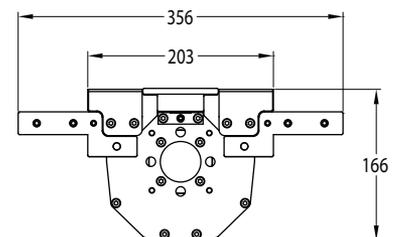
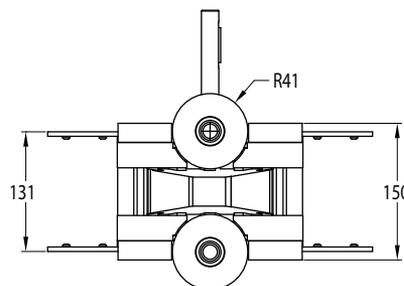
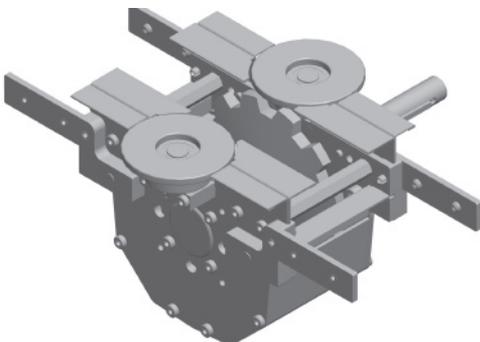
Chain required 1.5 meter  
Slide rail required 3.5 meter

## FL Top Running Drive Module

FLTRD-203



- For top running chain only
- 9M long conveyor length maximum
- 32 Kg load maximum
- Compatible with 3/4 inch shaft gearmotors only

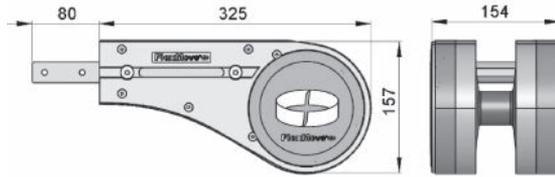
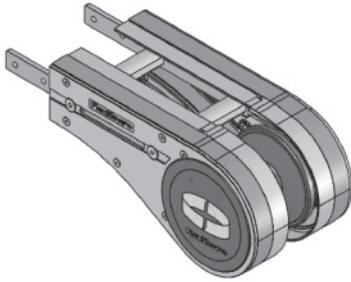


**UOM: pc**

Chain required 0.2 meter

## FL Idler End-150

FCIE-A150

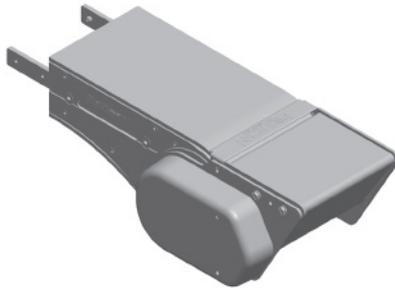


**UOM: pc**

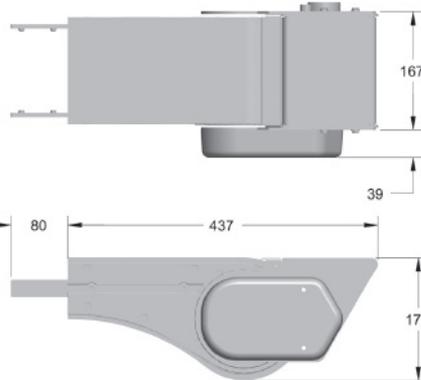
Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

## FL Idler End with Power Transfer (LEFT)

FLIE-A150PT-L



Minimum product length for inline transfer = 100 mm  
Transfer extends past conveyor only 27 mm



## FL Idler End with Power Transfer (RIGHT)

FLIE-A150PT-R

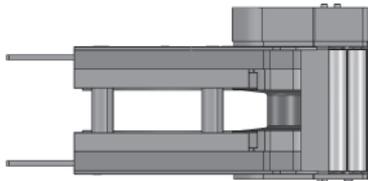


**UOM: pc**

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

## FL Idler End Driven Transfer Bridge (LEFT)

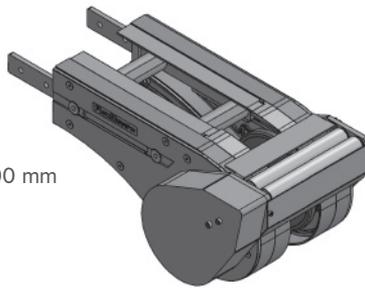
FLIE-A150DB-L



Minimum product length for inline transfer = 100 mm  
Transfer extends past conveyor only 27 mm

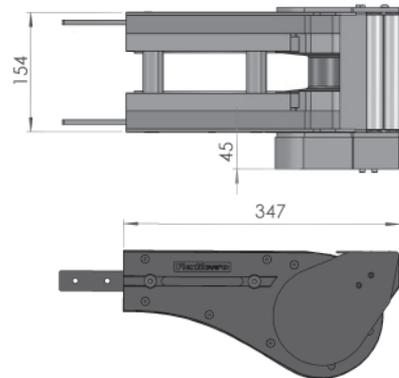
**UOM: pc**

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

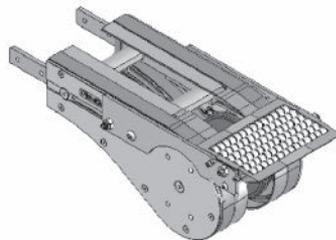
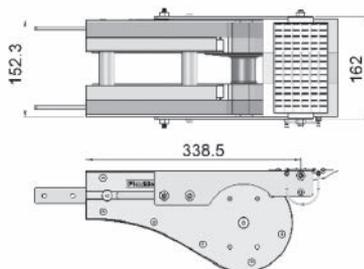


## FL Direct Drive Driven Transfer Bridge (RIGHT)

FLIE-A150DB-R

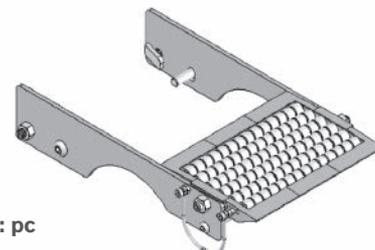


## FL Idler End Free Transfer Bridge



FLTB-A150

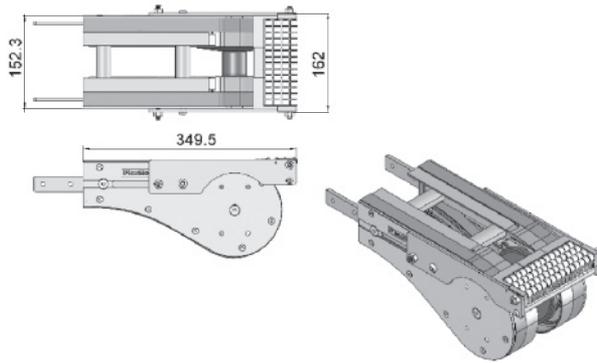
Transfer bridge c/w roller for FLIE-A150,  
FLDD-A150-XDY and FLDD-A150GP-XDY



**UOM: pc**

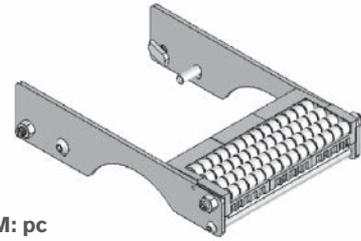
## FL Idler End Free Roller Bridge

FLIE-A150EB



FLEB-A150

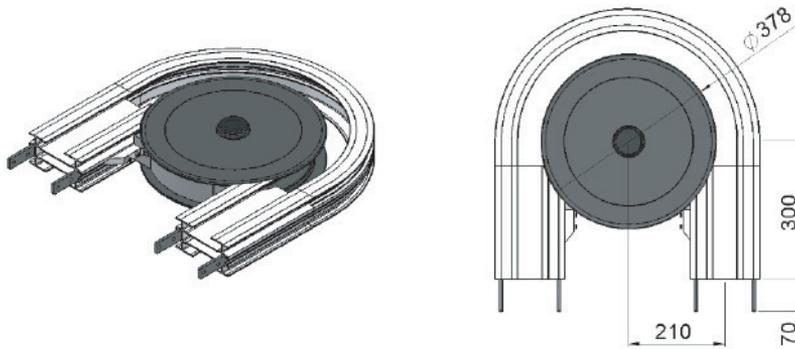
End transfer bridge c/w roller for FLIE-A150, FLDD-A150-XDY and FLDD-A150GP-XDY



UOM: pc

## FL Wheel Bend 180°

FLWB-180R210A

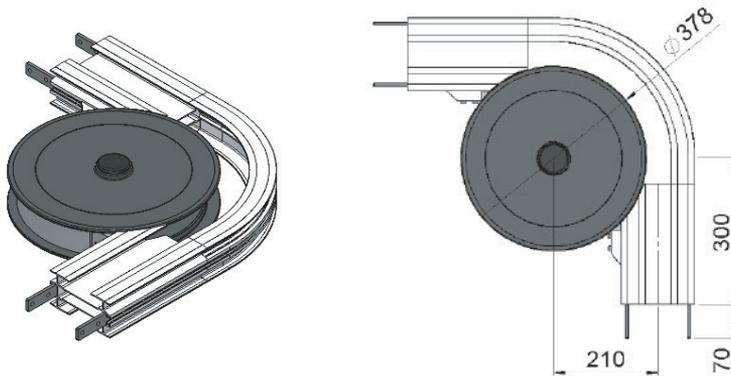


UOM: pc

Chain required 2-way: 2.5 meter  
Slide rail required 2-way: 2.8 meter

## FL Wheel Bend 90°

FLWB-90R210A

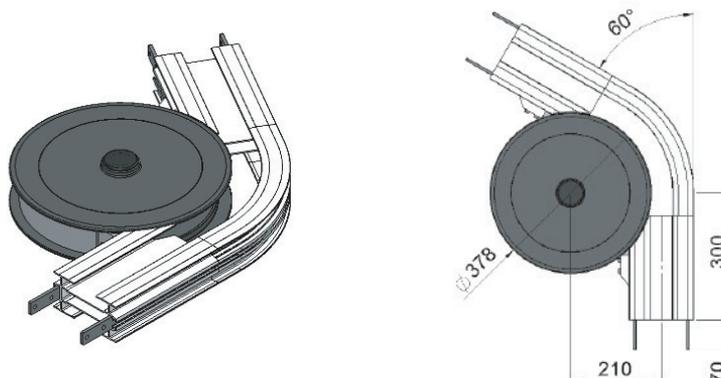


UOM: pc

Chain required 2-way: 1.9 meter  
Slide rail required 2-way: 2.2 meter

## FL Wheel Bend 60°

FLWB-60R210A

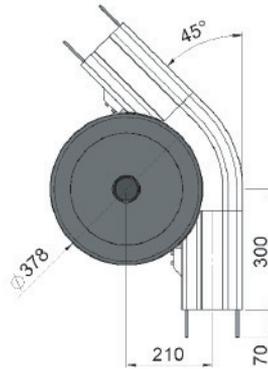
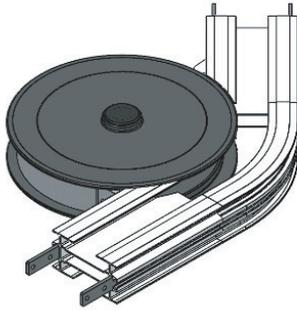


UOM: pc

Chain required 2-way: 1.6 meter  
Slide rail required 2-way: 2.0 meter

**FL Wheel Bend 45°**

FLWB-45R210A

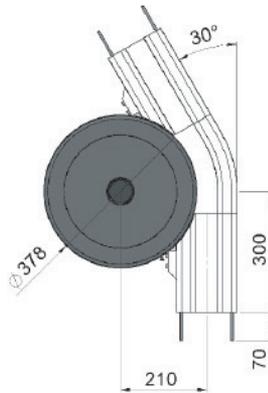
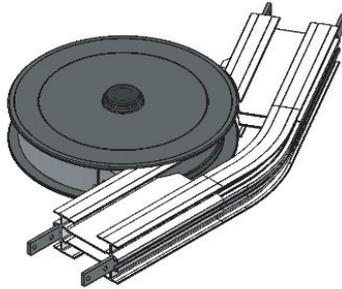


**UOM: pc**

Chain required 2-way: 1.5 meter  
Slide rail required 2-way: 1.8 meter

**FL Wheel Bend 30°**

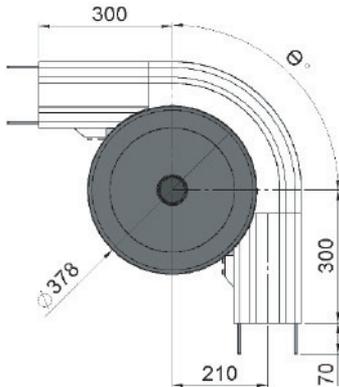
FLWB-30R210A



**UOM: pc**

Chain required 2-way: 1.4 meter  
Slide rail required 2-way: 1.7 meter

**FL Wheel Bend 5° - 180°**



**Example for FL Wheel Bend Ordering**

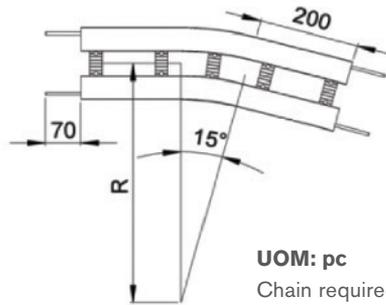
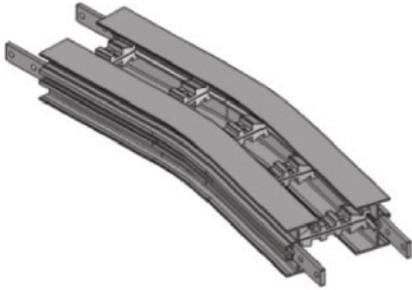
- Wheel bend,  $\text{Ø}^\circ \pm 1^\circ$
- FLWB- $\text{Ø}^\circ\text{R210A}$

If an angle of 65° is needed for wheel bend, the ordering part number is

**FLWB-65R210A**

*The outer bend is assembled using connecting strip (FACS-25x140A). Angle of  $\text{Ø}^\circ$  must be indicated when ordering.*

## FL Horizontal Plain Bend 15°



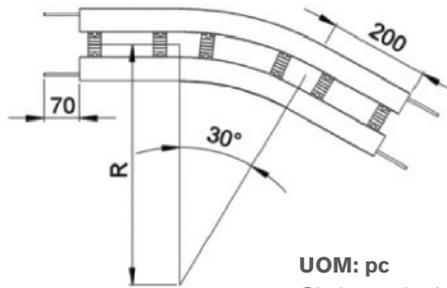
### Horizontal plain bend, 15° ± 1°

- R = 500 ± 10 mm     **FLHB-15R500**
- R = 700 ± 10 mm     **FLHB-15R700**
- R = 1000 ± 10 mm   **FLHB-15R1000**

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1, 1.1, 1.2, 1.3 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 1.9, 2.1, 2.3, 2.6 meter

## FL Horizontal Plain Bend 30°



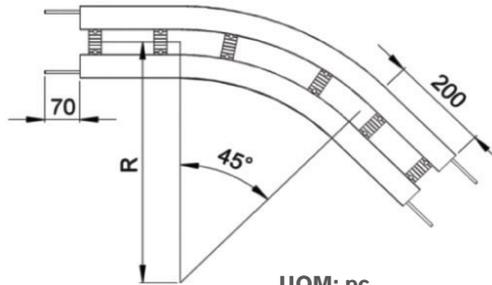
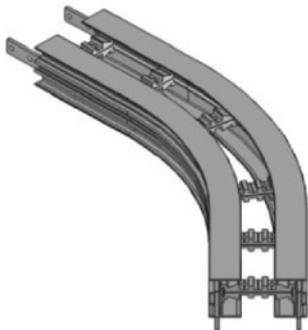
### Horizontal plain bend, 30° ± 1°

- R = 500 ± 10 mm     **FLHB-30R500**
- R = 700 ± 10 mm     **FLHB-30R700**
- R = 1000 ± 10 mm   **FLHB-30R1000**

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1.1, 1.3, 1.5, 1.8 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 2.2, 2.6, 3.1, 3.7 meter

## FL Horizontal Plain Bend 45°



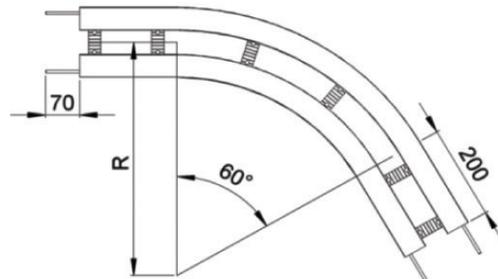
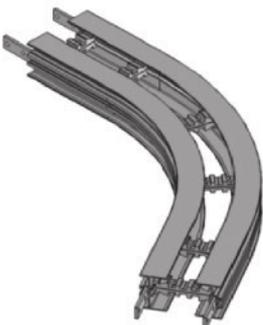
### Horizontal plain bend, 45° ± 1°

- R = 500 ± 10 mm     **FLHB-45R500**
- R = 700 ± 10 mm     **FLHB-45R700**
- R = 1000 ± 10 mm   **FLHB-45R1000**

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1.3, 1.6, 1.9, 2.4 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 2.5, 3.2, 3.8, 4.7 meter

## FL Horizontal Plain Bend 60°



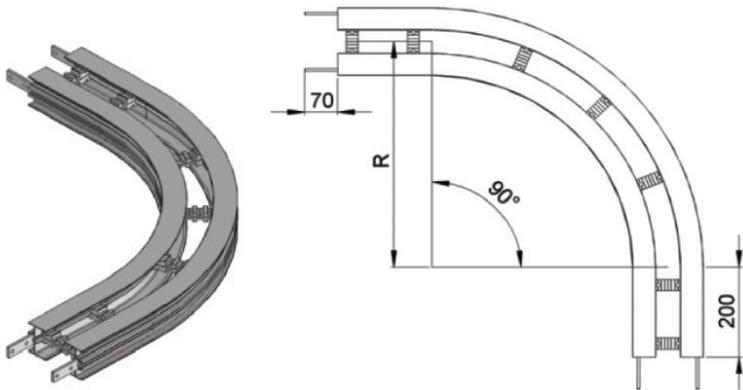
### Horizontal plain bend, 60° ± 1°

- R = 500 ± 10 mm     **FLHB-60R500**
- R = 700 ± 10 mm     **FLHB-60R700**
- R = 1000 ± 10 mm   **FLHB-60R1000**

**UOM: pc**

Chain required 2-way (300, 500, 700, 1000): 1.4, 1.8, 2.3, 2.9 meter  
 Slide rail required 2-way (300, 500, 700, 1000): 2.9, 3.7, 4.5, 5.8 meter

**FL Horizontal Plain Bend 90°**



**Horizontal plain bend, 90° ± 1°**

- R = 500 ± 10 mm     **FLHB-90R500**
- R = 700 ± 10 mm     **FLHB-90R700**
- R = 1000 ± 10 mm    **FLHB-90R1000**

**UOM: pc**

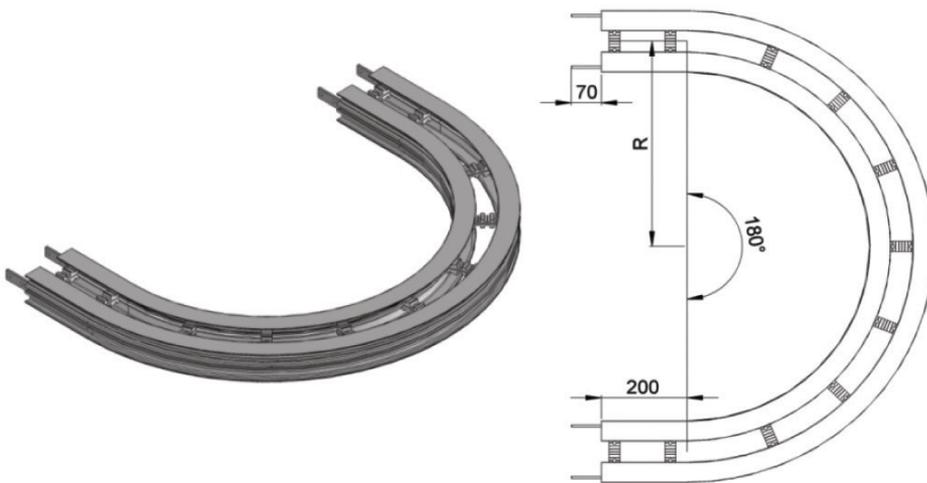
Chain required 2-way (300, 500, 700, 1000):

1.7, 2.4, 3.0, 3.9 meter

Slide rail required 2-way (300, 500, 700, 1000):

3.5, 4.7, 6.0, 7.9 meter

**FL Horizontal Plain Bend 180°**



**Horizontal plain bend, 180° ± 1°**

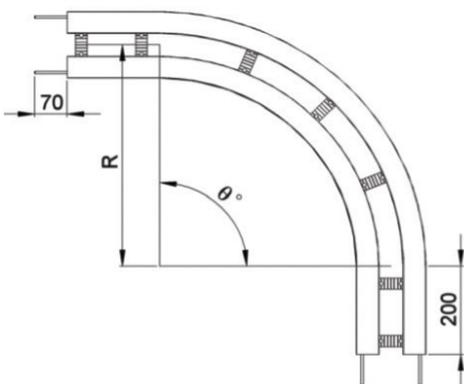
- R = 500 ± 10 mm     **FLHB-180R500**
- R = 700 ± 10 mm     **FLHB-180R700**
- R = 1000 ± 10 mm    **FLHB-180R1000**

**UOM: pc**

Chain required 2-way (500, 700, 1000) : 4.0, 5.2, 7.1 meter

Slide rail required 2-way (500, 700, 1000): 7.9, 1.1, 14.2 meter

**FL Horizontal Plain Bend 5° - 180°**



**Example for FL Horizontal Plain Bend Ordering**

**Horizontal plain bend, θ° ± 1°**

- R = 500 ± 10 mm     **FLHB- θ°R500**
- R = 700 ± 10 mm     **FLHB- θ°R700**
- R = 1000 ± 10 mm    **FLHB- θ°R1000**

If an angle of 120° is needed for radius R500 horizontal plain bend, the ordering part number is

**FLHB-120R500**

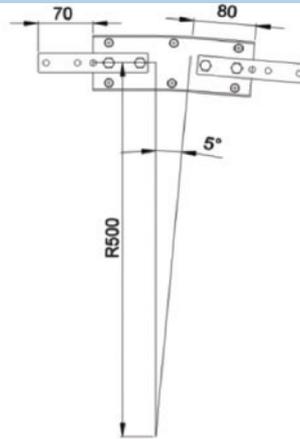
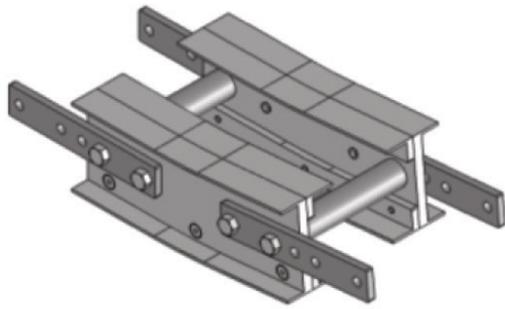
**UOM: pc**

Chain required 2-way (500, 700, 1000) : meter (variable to angle)

Slide rail required 2-way (500, 700, 1000): meter (variable to angle)

## FL Vertical Bend 5°

FLVB-5R500

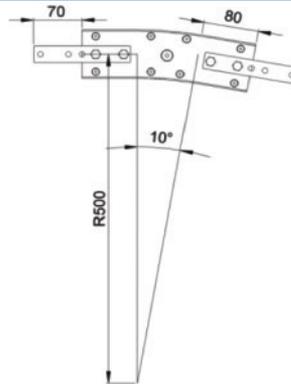
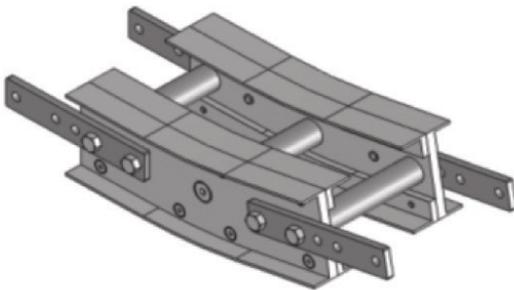


**UOM: pc**

Chain required 2-way: 0.4 meter  
Slide rail required 2-way: 0.8 meter

## FL Vertical Bend 10°

FLVB-10R500

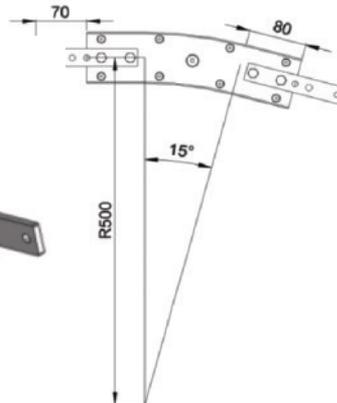
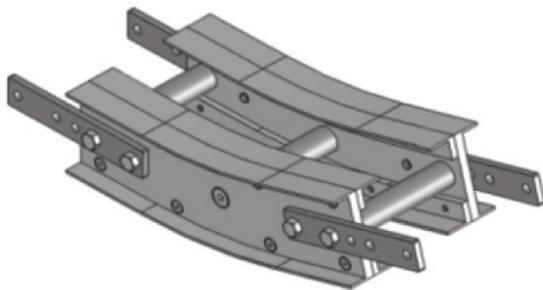


**UOM: pc**

Chain required 2-way: 0.5 meter  
Slide rail required 2-way: 1.0 meter

## FL Vertical Bend 15°

FLVB-15R500

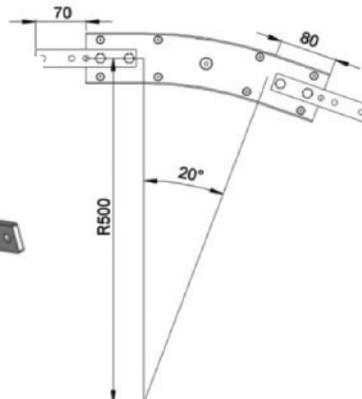
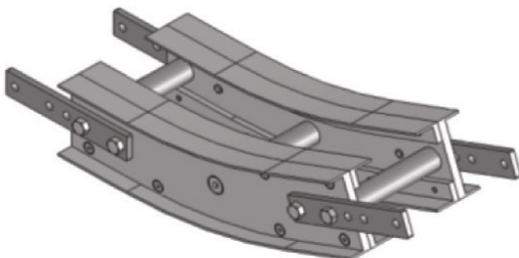


**UOM: pc**

Chain required 2-way: 0.6 meter  
Slide rail required 2-way: 1.2 meter

## FL Vertical Bend 20°

FLVB-20R500

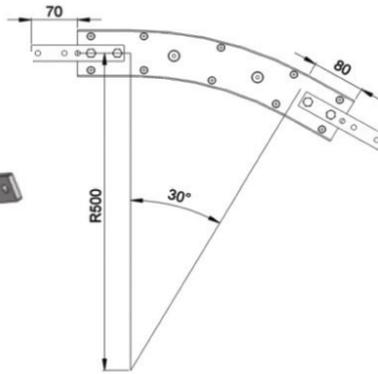
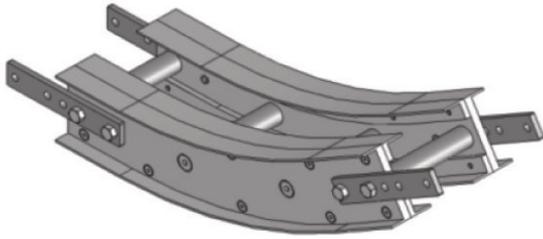


**UOM: pc**

Chain required 2-way: 0.7 meter  
Slide rail required 2-way: 1.3 meter

**FL Vertical Bend 30°**

FLVB-30R500

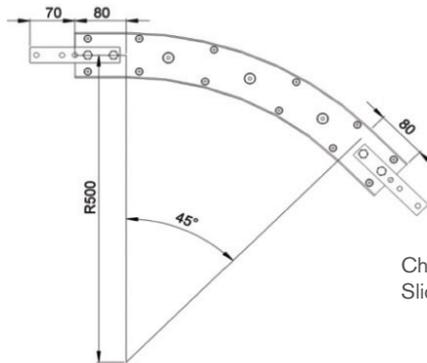
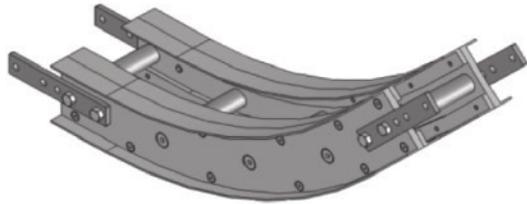


**UOM: pc**

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 1.7 meter

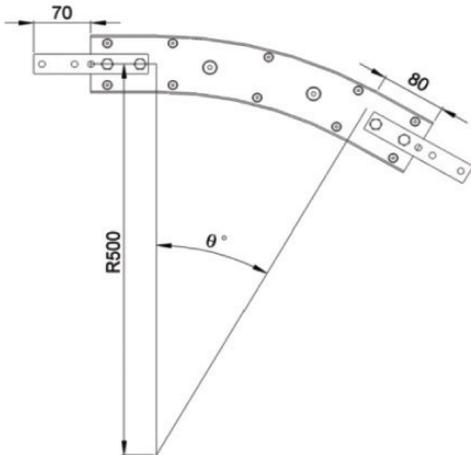
**FL Vertical Bend 45°**

FLVB-45R500



Chain required 2-way: 1.1 meter  
Slide rail required 2-way: 2.2 meter

**FL Vertical Bend 5°-90°**



**Example for FL Vertical Bend Ordering**

- Vertical bend,  $\varnothing \pm 1^\circ$
- FLVB- $\varnothing^\circ$ R500

If an angle of 65° is needed for vertical bend, the ordering part number is

**FLVB-65R500**

*The outer bend is assembled using connecting strip (FACS-25x140A). Angle of "θ°" must be indicated when ordering.*

Variety of chain type suitable for wide range of applications either horizontal or vertical product transportation. The maximum product width to be conveyed can be referred to guide rail assembly pages.

### FU180 Series Characteristic

**Beam Width:** 179 mm

**Product Width:** Refer to Guide Rail Assembly

### Accessories Needed

**Slide Rail Required:** FASR-25, FASR-25U, FASR-25X

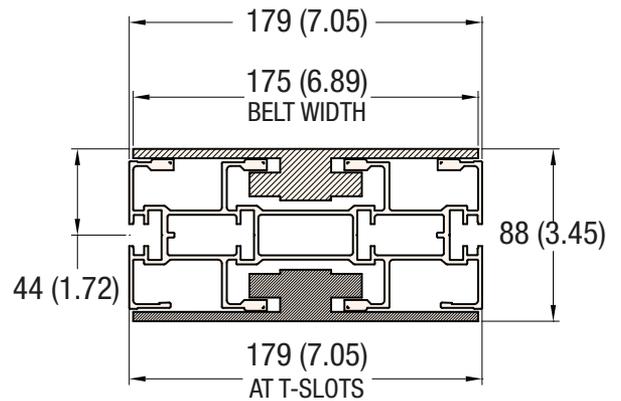
**Slide Rail Color:** White or Natural Color

**Slide Rail Material:** HDPE, UHMW OR SPECIAL PE

**Slide Rail Rivet & Screw:** FASLR-4X6 or FASLS-M5

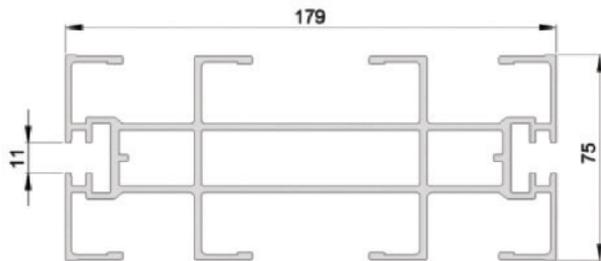
Connecting strip is used to connect two beams.

**Connecting Strip:** FACS-25x140A

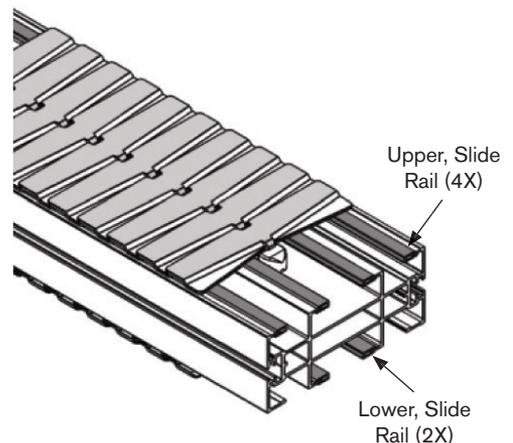


**180 MM WIDTH**

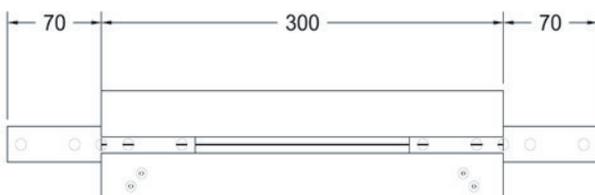
### Conveyor Beam **FUCB-3**



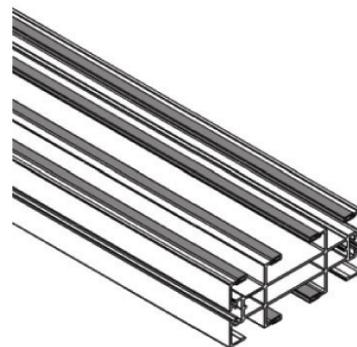
**UOM:** 3 Meter / Length



### Chain Connecting Module **FUCC-300**



**UOM:** 3 Meter / Length



## Chain Common Data

**Packaging:** 5 m per box

**Pitch:** 33.5 mm

**Width:** 175 mm

**Tensile Strength at 20°C:** 6000N

**Color:** White

### Material:

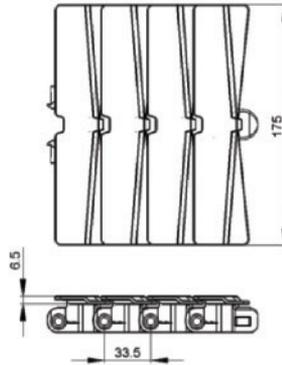
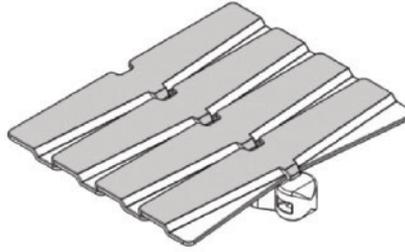
**Chain:** White Acetal / POM

**Pivot:** Polyamide

**Pivot Pin:** Stainless Steel

**Insert (Wedge & Friction):** TPE Grey

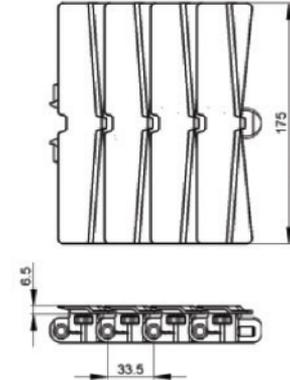
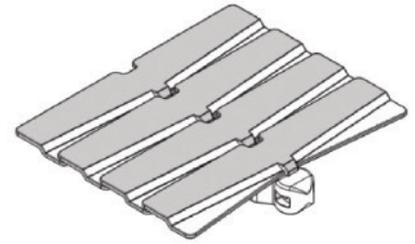
### Plain Chain FUPC-5



**UOM: 5 Meter / box**

Application: Suitable for horizontal and slope < 5° transport of products with accumulation.

### Roller Plain Chain FUPC-5R

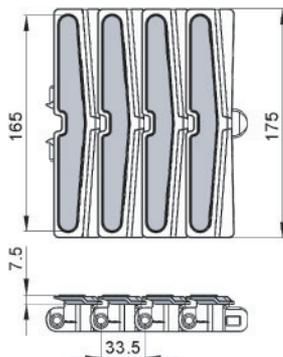
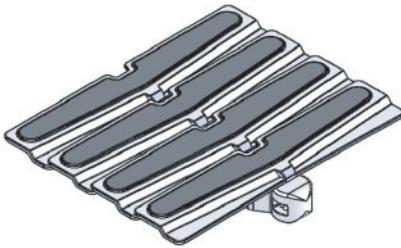


**UOM: 5 Meter / box**

Application: Suitable for horizontal and slope < 5° transport of products with accumulation.

**Note: Friction Reducing Roller Chain Recommended for high speed or high load plain bends**

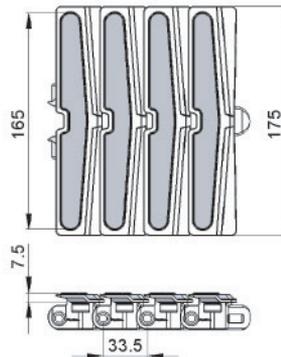
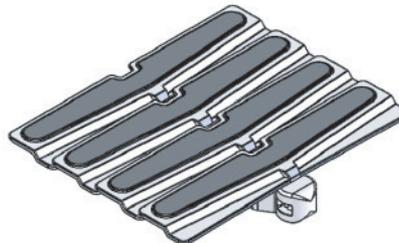
### Friction Top Chain FUFT-5



**UOM: 5 Meter / box**

Application: Suitable for horizontal and slope ≤ 30° transport of products without accumulation.

### Roller Friction Top Chain FUFT-5R

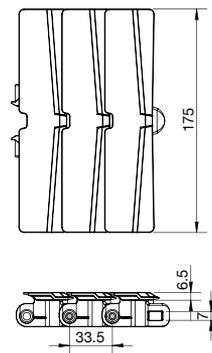
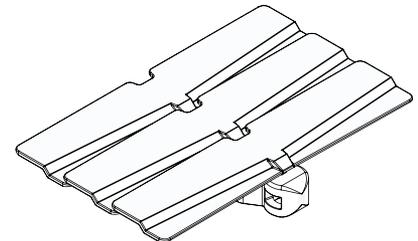


**UOM: 5 Meter / box**

Application: Suitable for horizontal and slope ≤ 30° transport of products without accumulation.

**Note: Friction Reducing Roller Chain Recommended for high speed or high load plain bends**

### Twist Chain FUPC-5M

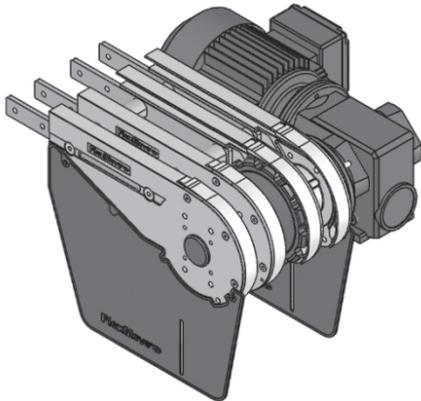


**UOM: 5 Meter / box**

Application: Suitable twist conveyor beam; horizontal and slope < 5° transport of products with accumulation.

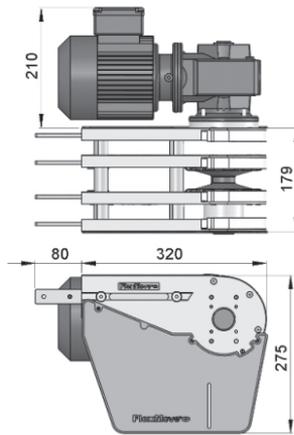
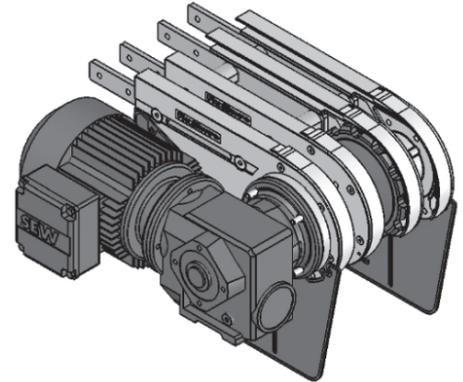
## FU Direct End Drive with Motor (LEFT)

FUDD-A180-XDY (See Chart)



## FU Direct End Drive with Motor (RIGHT)

FUDD-A180-XDY (See Chart)



Part Number		Shaft Selection	Direction	Aux Shaft Selection
FUDD-A180	-	X	D	Y
		0 = 20 mm	L = Left	Blank = No Aux Shaft
		E = 3/4 in*	R = Right	A = 20 mm Aux Shaft
		A = 20 mm Aux Only		

\*3/4 inch shaft option available in North America only.

### Max Traction Force: 1250N

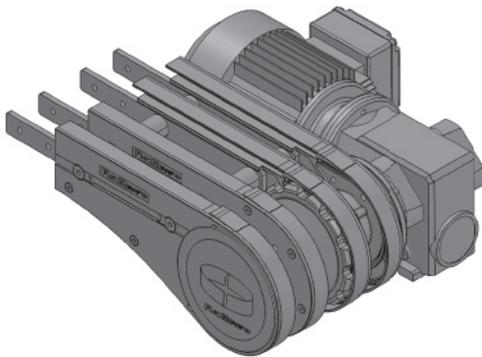
The Direct End Drive Unit is without torque limiter.

### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 1.0 meter

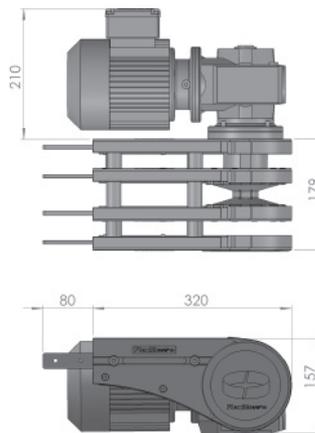
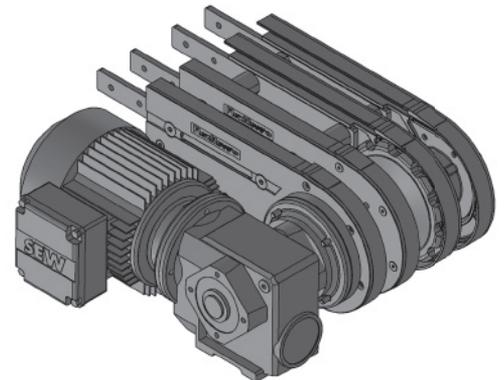
## FU Direct End Drive unit without Motor GP (LEFT)

FUDD-A180GP-XDY (See Chart)



## FU Direct End Drive unit without Motor GP (RIGHT)

FUDD-A180GP-XDY (See Chart)



Part Number		Shaft Selection	Direction	Aux Shaft Selection
FUDD-A180GP	-	X	D	Y
		0 = 20 mm	L = Left	Blank = No Aux Shaft
		E = 3/4 in*	R = Right	A = 20 mm Aux Shaft
		A = 20 mm Aux Only		

\*3/4 inch shaft option available in North America only.

### Max Traction Force: 1250N

The Direct End Drive Unit GP is without torque limiter.

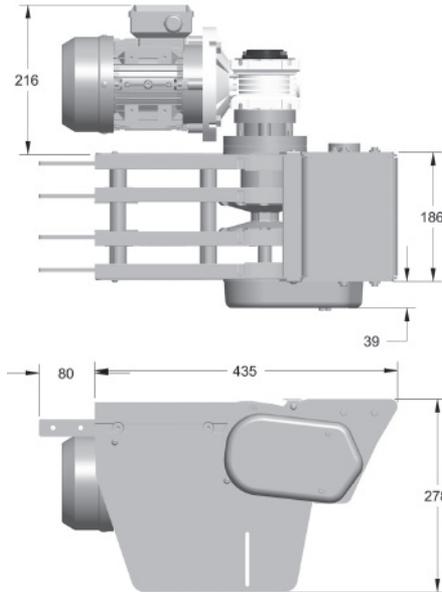
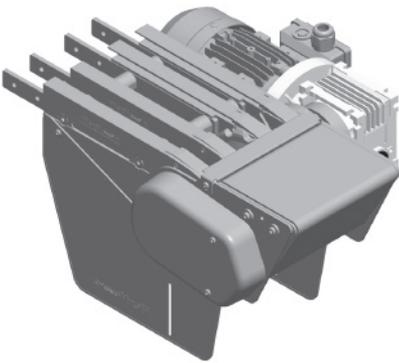
### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 1.0 meter

SEW gearmotors are products of SEW Eurodrive

## FU Direct with Power Transfer Motor (LEFT)

FUDD-A180PT-XD (See Chart)



Minimum product length for inline transfer = 100 mm

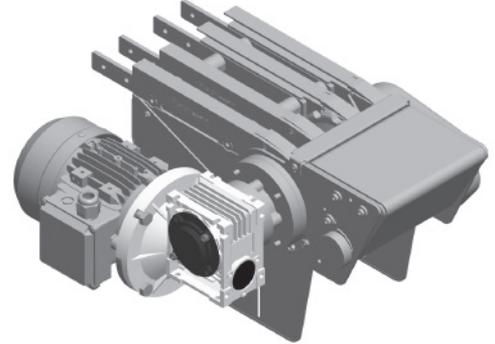
Provides extended transfer nose for interfacing with large rollers.

Part Number		Shaft Selection	Direction
FUDD-A180PT	-	X	D
		0 = 20 mm	L = Left
		E = 3/4 in*	R = Right

\*3/4 inch shaft option available in North America only.

## FU Direct with Power Transfer Motor (RIGHT)

FUDD-A180PT-XD (See Chart)



### Max Traction Force: 1250N

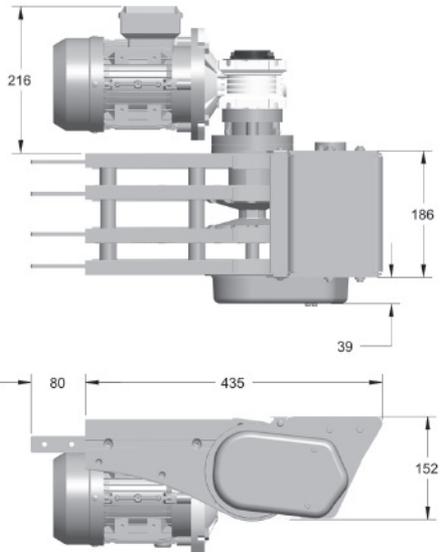
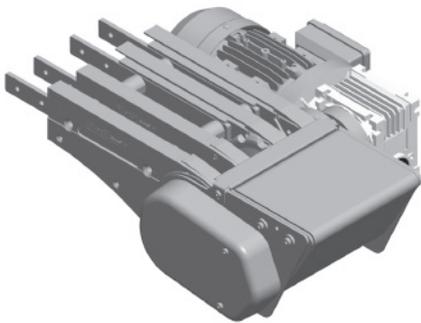
The Direct End Drive Unit is without torque limiter.

### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 1.0 meter

## FU GP Direct with Power Transfer Motor (LEFT)

FUDD-A180GPPT-XD (See Chart)



Minimum product length for inline transfer = 100 mm

Provides extended transfer nose for interfacing with large rollers.

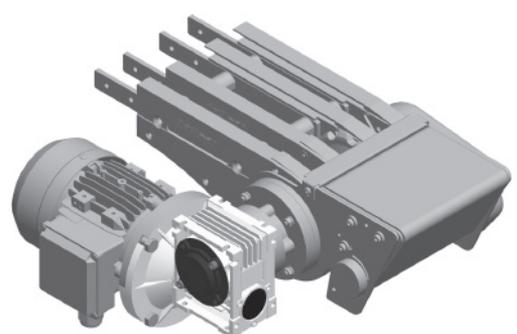
Requires the use of connecting module for chain maintenance.

Part Number		Shaft Selection	Direction
FUDD-A180GPPT	-	X	D
		0 = 20 mm	L = Left
		E = 3/4 in*	R = Right

\*3/4 inch shaft option available in North America only.

## FU GP Direct with Power Transfer Motor (RIGHT)

FUDD-A180GPPT-XD (See Chart)



### Max Traction Force: 1250N

The Direct End Drive Unit GP is without torque limiter.

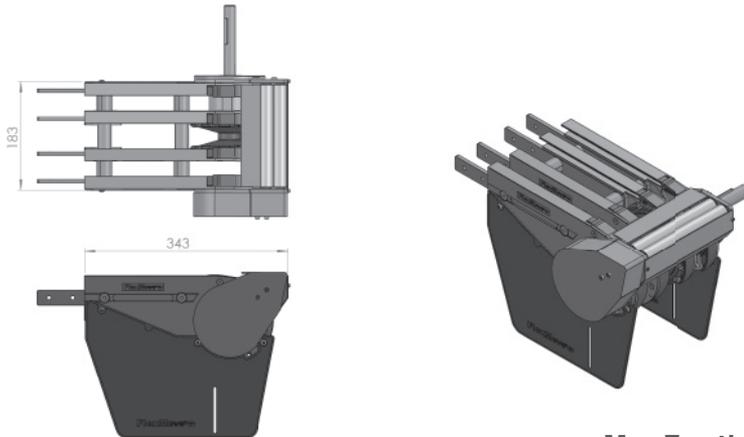
### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 1.0 meter

SEW gearmotors are products of SEW Eurodrive

## FU Direct Drive Driven Transfer Bridge (LEFT)

FUDD-A180DB-A-0L

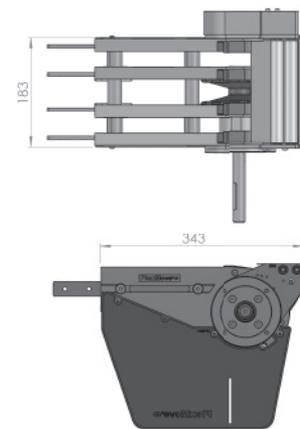


**UOM: pc**

20 mm Shaft only.  
 Minimum product length for inline transfer = 100 mm  
 Transfer extends past conveyor only 27 mm

## FU Direct Drive Driven Transfer Bridge (RIGHT)

FUDD-A180DB-A-0R



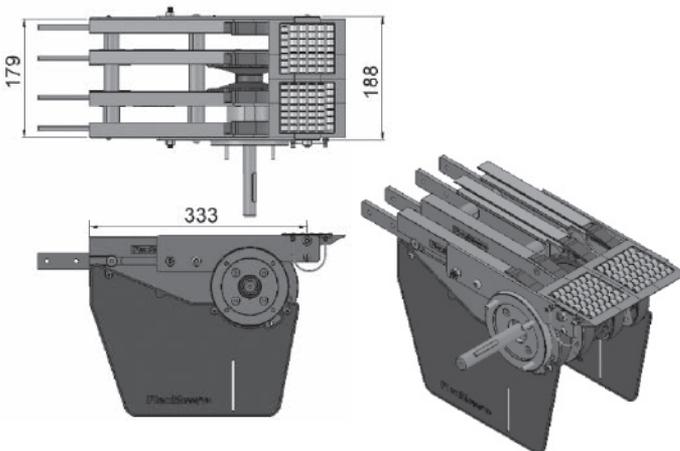
**Max Traction Force: 1250N**

The Direct End Drive Unit is without torque limiter.

**UOM: pc**

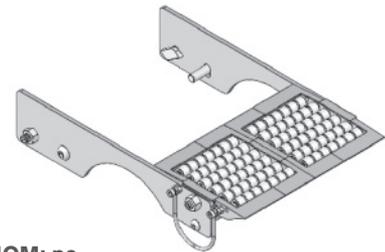
Chain required 2-way: 0.8 meter  
 Slide rail required 2-way: 0 meter

## FU Direct Drive Free Roller Transfer Bridge (LEFT/ RIGHT)



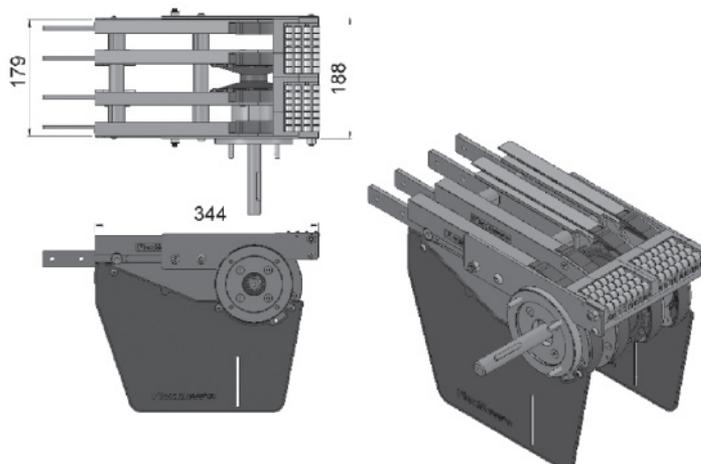
## FUTB-A180

Transfer bridge c/w roller for FUIE-A180, FUDD-A180-XDY and FUDD-A180GP-XDY



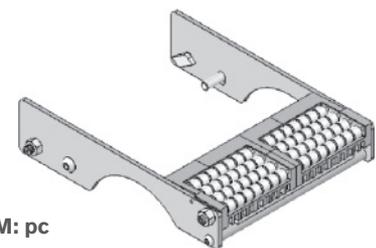
**UOM: pc**

## FU Direct Drive End Free Roller Bridge (LEFT/ RIGHT)



## FUEB-A180

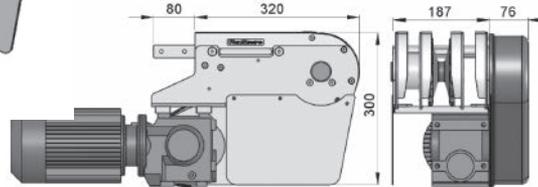
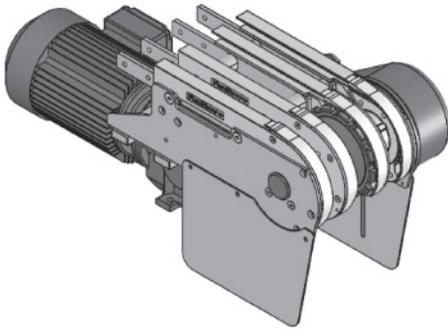
End transfer bridge c/w roller for FUIE-A180, FUDD-A180-XDY and FUDD-A180GP-XDY



**UOM: pc**

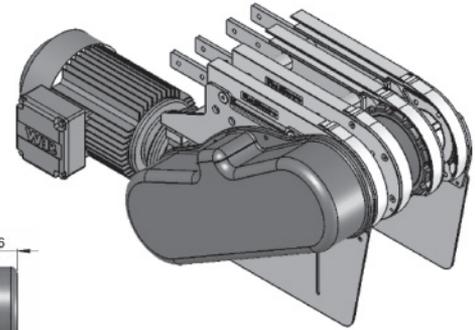
## FU Suspended Drive with Motor (LEFT)

FUSD-A180-0L (with Torque Limiter)  
FUSD-A180SPT-0L (without Torque Limiter)



## FU Suspended Drive with Motor (RIGHT)

FUSD-A180-0R (with Torque Limiter)  
FUSD-A180SPT-0R (without Torque Limiter)



**Max Traction Force: 1250N**  
**1250N** (without limiter)  
**840N** (with limiter)

**UOM: pc**

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 1.0 meter

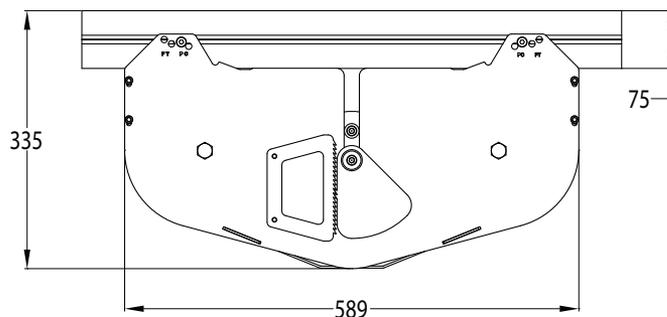
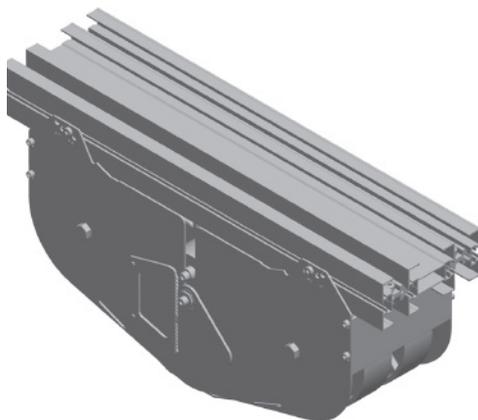
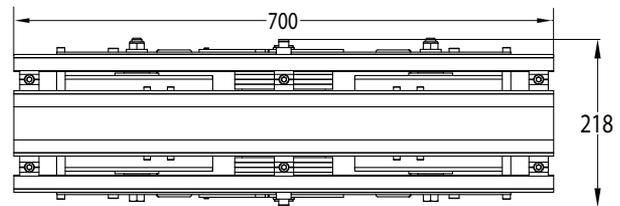
- Locates gearmotor below conveyor for compact applications.
- Includes torque limiter protecting chain and motor from overload.
- Chain pull capacity at 1250N for unit without torque limiter.
- Chain pull capacity at 840N for unit with torque limiter.

## FU Weighted Take-up Module

FU-WTU-700



- Provides automatic chain stretch take-up
- Reduces noise caused from catenary tail
- Must be used with GP Drive End, sold separately
- Used on conveyors over 12 M long

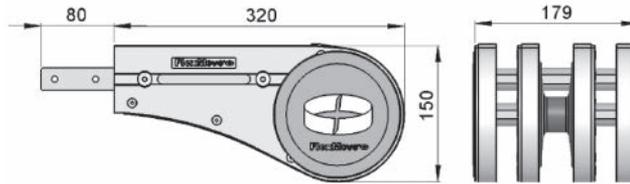
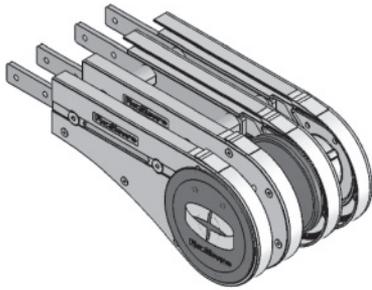


**UOM: pc**

Chain required 1.5 meter  
Slide rail required 3.5 meter

## FU Idler End-180

FUIE-A180

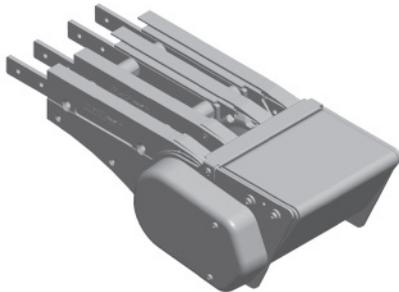


**UOM: pc**

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 1.0 meter

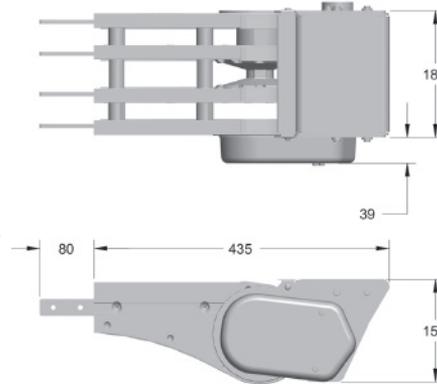
## FU Idler End with Power Transfer (LEFT)

FUIE-A180PT-L



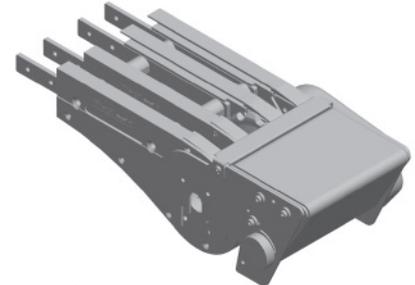
Minimum product length for inline transfer = 100 mm

Provides extended transfer nose for interfacing with large rollers.



## FU Idler End with Power Transfer (RIGHT)

FUIE-A180PT-R

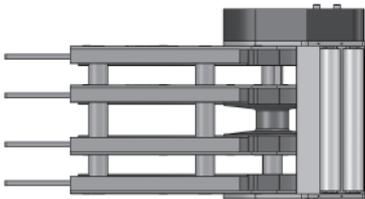


**UOM: pc**

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 1.0 meter

## FU Idler End Driven Transfer Bridge (LEFT)

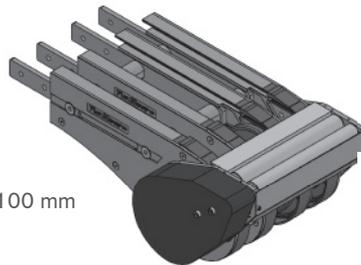
FUIE-A180DB-L



Minimum product length for inline transfer = 100 mm  
Transfer extends past conveyor only 27 mm

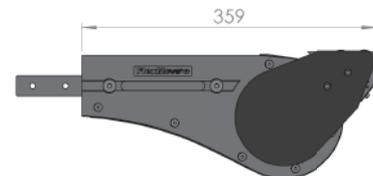
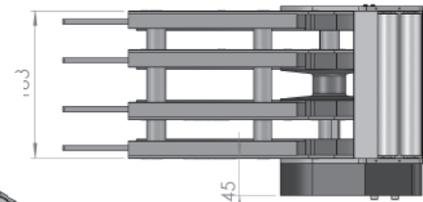
**UOM: pc**

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 1.0 meter

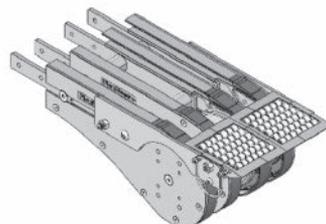
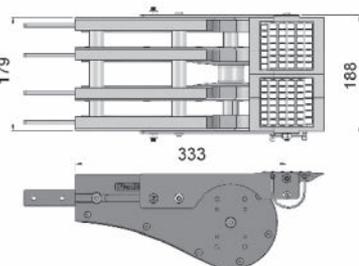


## FU Idler End Driven Transfer Bridge (RIGHT)

FUIE-A180DB-R

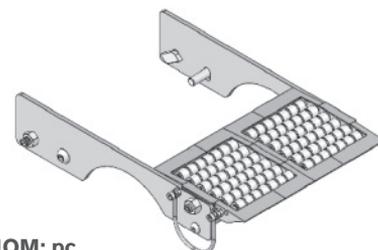


## FU Idler Free Roller Transfer Bridge



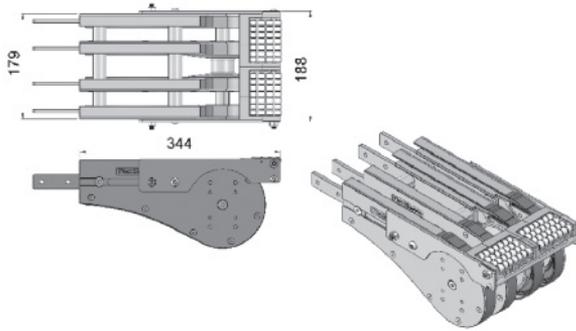
FUTB-A180

Transfer bridge c/w roller for FUIE-A180, FUDD-A180-XDY and FUDD-A180GP-XDY



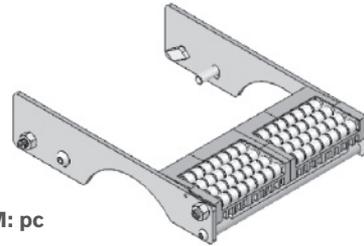
**UOM: pc**

## FU Idler End Free Roller Bridge



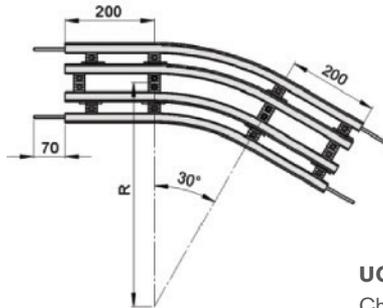
## FUEB-A180

End transfer bridge c/w roller for FUIE-A180, FUDD-A180-XDY and FUDD-A180GP-XDY



UOM: pc

## FU Horizontal Plain Bend 30°



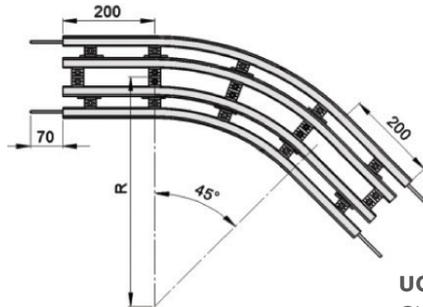
### Horizontal plain bend, 30° ± 1°

- R = 500 ± 10 mm **FUHB-30R500**
- R = 700 ± 10 mm **FUHB-30R700**
- R = 1000 ± 10 mm **FUHB-30R1000**

UOM: pc

Chain required 2-way (500, 700, 1000): 1.3, 1.5, 1.8 meter  
Slide rail required 2-way (500, 700, 1000): 4.0, 4.6, 5.5 meter

## FU Horizontal Plain Bend 45°



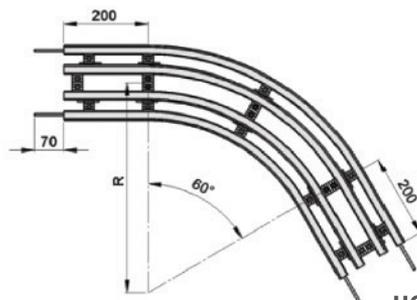
### Horizontal plain bend, 45° ± 1°

- R = 500 ± 10 mm **FUHB-45R500**
- R = 700 ± 10 mm **FUHB-45R700**
- R = 1000 ± 10 mm **FUHB-45R1000**

UOM: pc

Chain required 2-way (500, 700, 1000): 1.6, 1.9, 2.4 meter  
Slide rail required 2-way (500, 700, 1000): 4.8, 5.7, 7.1 meter

## FU Horizontal Plain Bend 60°



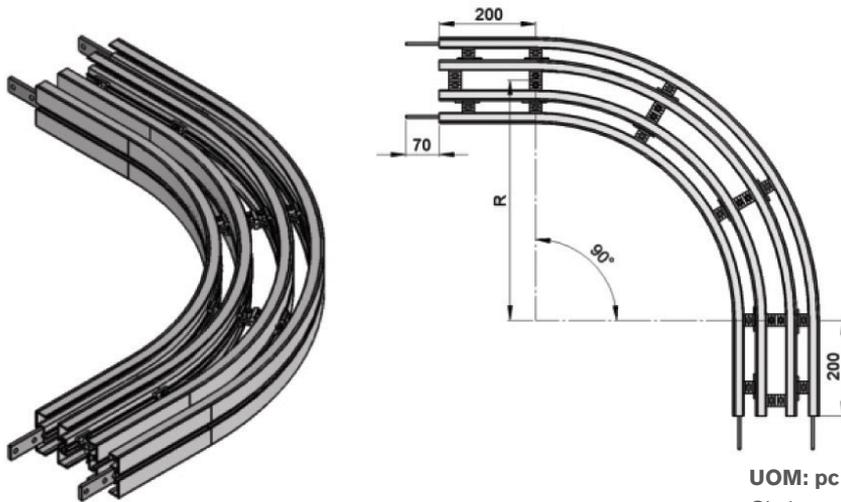
### Horizontal plain bend, 60° ± 1°

- R = 500 ± 10 mm **FUHB-60R500**
- R = 700 ± 10 mm **FUHB-60R700**
- R = 1000 ± 10 mm **FUHB-60R1000**

UOM: pc

Chain required 2-way (500, 700, 1000): 1.8, 2.3, 2.9 meter  
Slide rail required 2-way (500, 700, 1000): 5.5, 6.8, 8.7 meter

**FU Horizontal Plain Bend 90°** FUVB-10R400



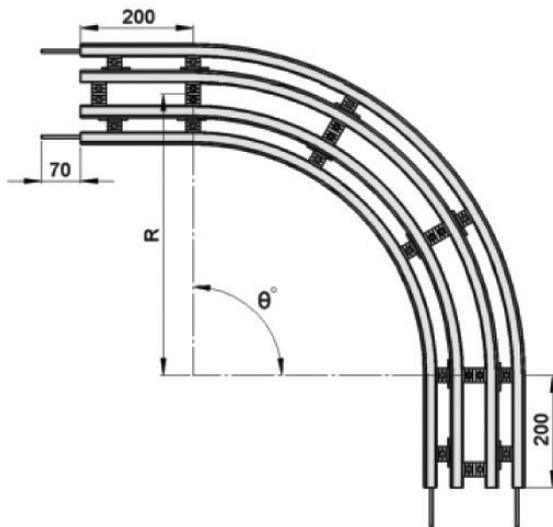
**Horizontal plain bend, 90° ± 1°**

- R = 500 ± 10 mm     **FUHB-90R500**
- R = 700 ± 10 mm     **FUHB-90R700**
- R = 1000 ± 10 mm    **FUHB-90R1000**

**UOM: pc**

Chain required 2-way (500, 700, 1000): 2.4, 3.0, 3.9 meter  
 Slide rail required 2-way (500, 700, 1000): 7.1, 9.0, 11.8 meter

**FU Horizontal Plain Bend 5° - 180°**



**Example for FU Horizontal Plain Bend Ordering**

**Horizontal plain bend, θ° ± 1°**

- R = 500 ± 10 mm     **FUHB - θ°R500**
- R = 700 ± 10 mm     **FUHB - θ°R700**
- R = 1000 ± 10 mm    **FUHB - θ°R1000**

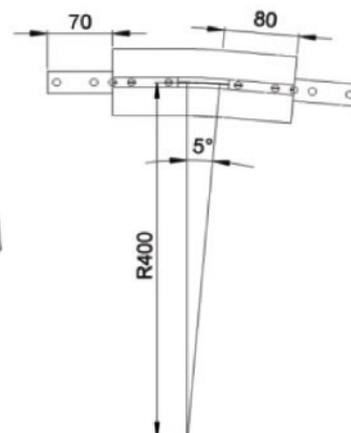
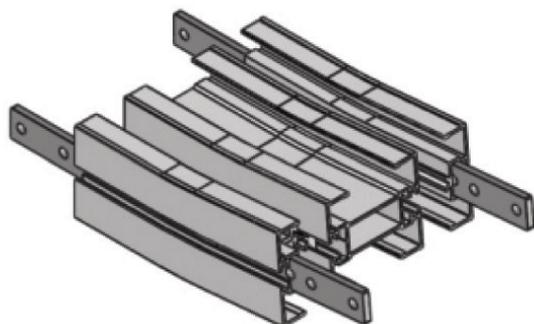
If an angle of 120° is needed for radius R500 horizontal plain bend, the ordering part number is

**FUHB-120R500**

**UOM: pc**

Chain required 2-way (500, 700, 1000) : meter (variable to angle)  
 Slide rail required 2-way (500, 700, 1000): meter (variable to angle)

**FU Vertical Bend 5°** FUVB-5R400

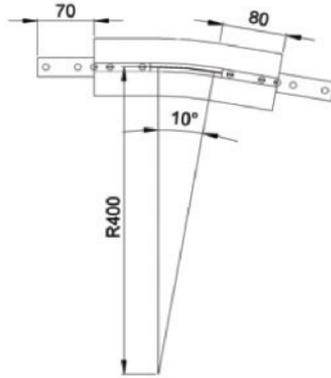
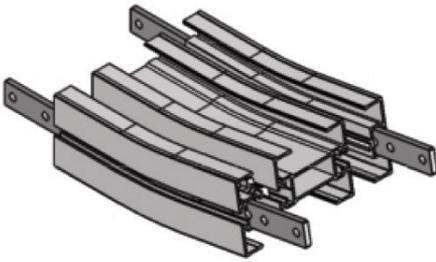


**UOM: pc**

Chain required 2-way: 0.4 meter  
 Slide rail required 2-way: 1.2 meter

**FU Vertical Bend 10°**

FUVB-10R400

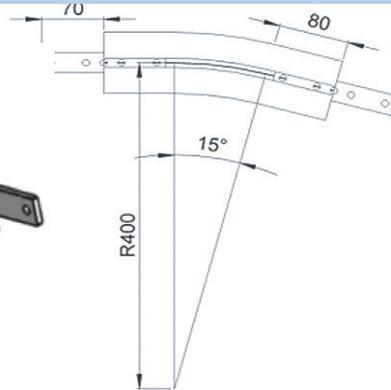
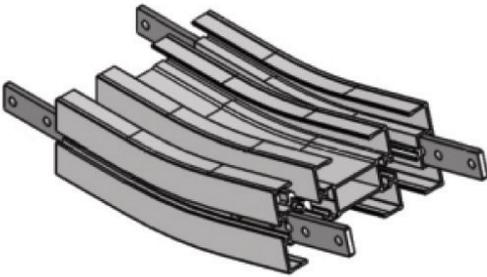


**UOM: pc**

Chain required 2-way: 0.5 meter  
Slide rail required 2-way: 1.4 meter

**FU Vertical Bend 15°**

FUVB-15R400

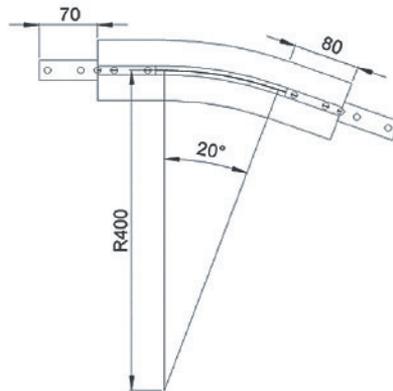
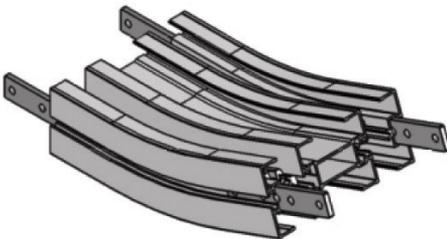


**UOM: pc**

Chain required 2-way: 0.5 meter  
Slide rail required 2-way: 1.6 meter

**FU Vertical Bend 20°**

FUVB-20R400

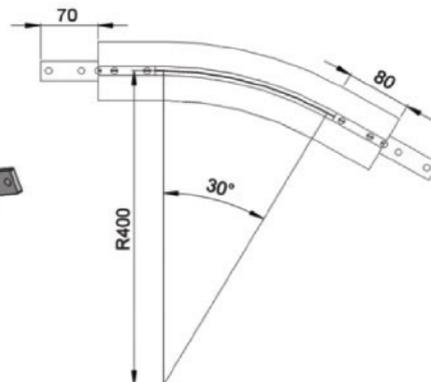
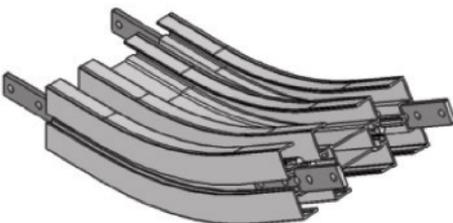


**UOM: pc**

Chain required 2-way: 0.6 meter  
Slide rail required 2-way: 1.8 meter

**FU Vertical Bend 30°**

FUVB-30R400

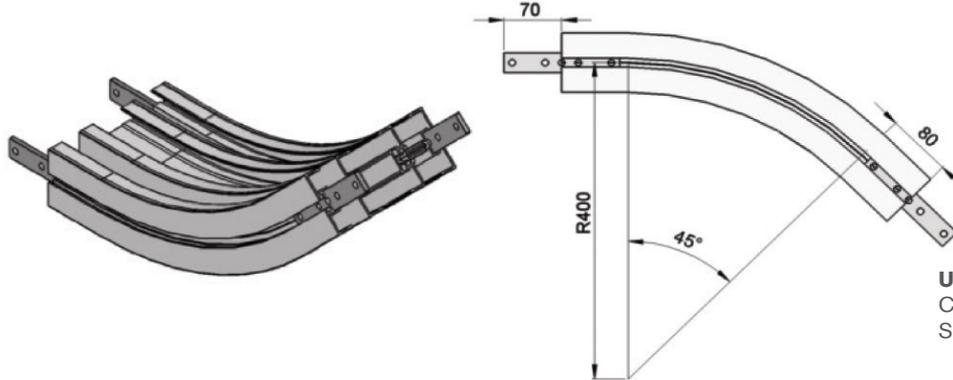


**UOM: pc**

Chain required 2-way: 0.7 meter  
Slide rail required 2-way: 2.2 meter

## FU Vertical Bend 45°

FUVB-45R400

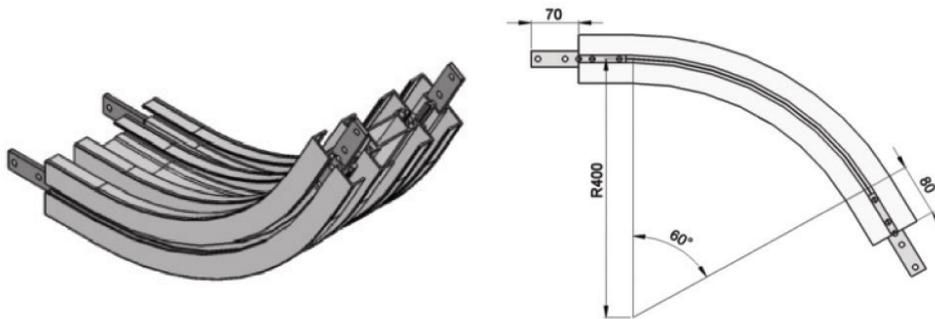


**UOM: pc**

Chain required 2-way: 0.9 meter  
Slide rail required 2-way: 2.8 meter

## FU Vertical Bend 60°

FUVB-60R400

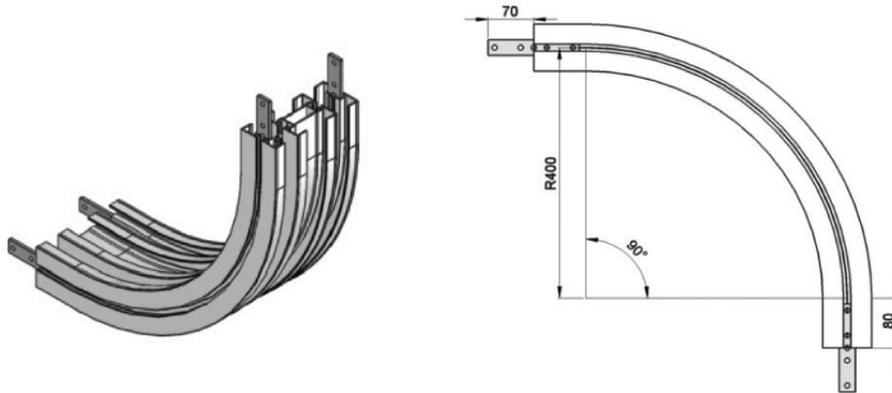


**UOM: pc**

Chain required 2-way: 1.2 meter  
Slide rail required 2-way: 3.5 meter

## FU Vertical Bend 90°

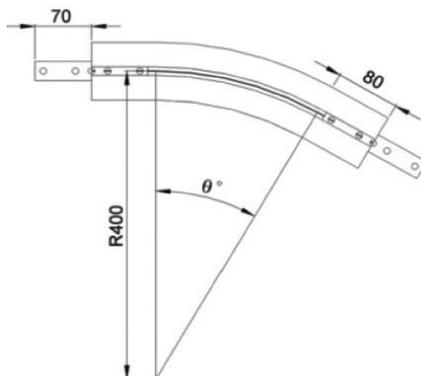
FUVB-90R400



**UOM: pc**

Chain required 2-way: 1.6 meter  
Slide rail required 2-way: 4.7 meter

## FU Vertical Bend 5°-90°



**Example for FU Vertical Bend Ordering**

- Vertical bend,  $\theta^\circ \pm 1^\circ$
- FUVB- $\theta^\circ$ R400

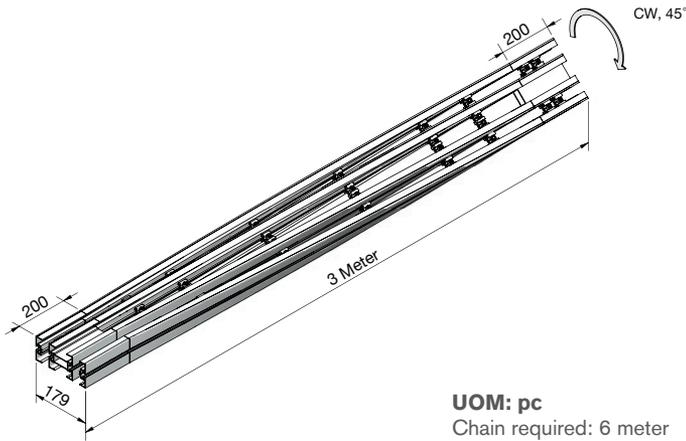
If an angle of  $65^\circ$  is needed for vertical bend, the ordering part number is

**FUVB-65R400**

*The outer bend is assembled using connecting strip (FACS-25x140A).  
Angle of "θ" must be indicated when ordering.*

## FU 45 Degree Twist Conveyor Beam (Clockwise)

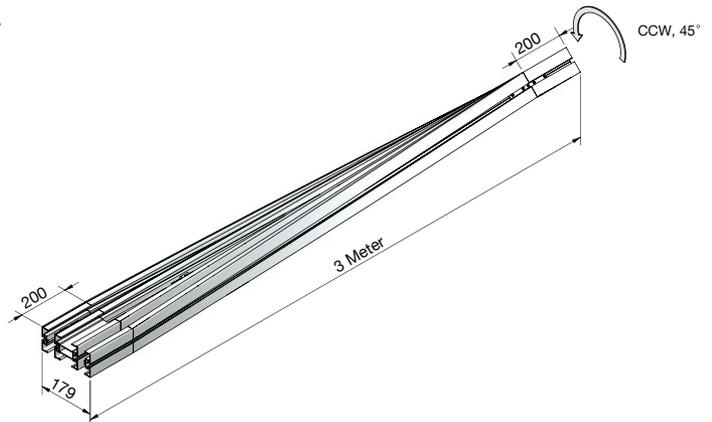
FUTB-CW45x3000



**UOM: pc**  
Chain required: 6 meter  
Slide rail required: 12 meter

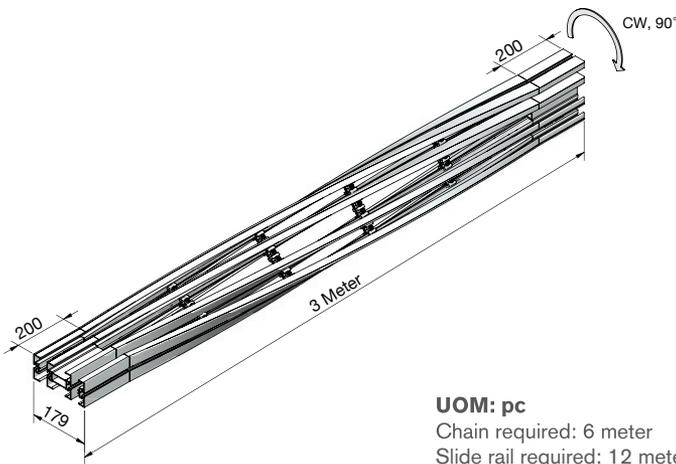
## FU 45 Degree Twist Conveyor Beam (Counter-Clockwise)

FUTB-CCW45x3000



## FU 90 Degree Twist Conveyor Beam (Clockwise)

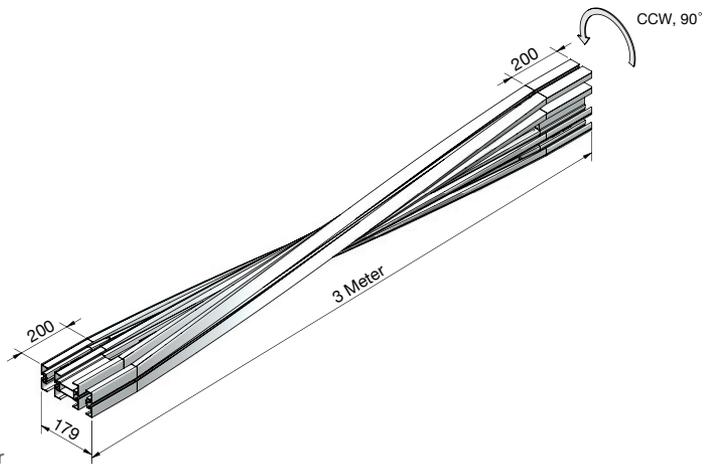
FUTB-CW90x3000



**UOM: pc**  
Chain required: 6 meter  
Slide rail required: 12 meter

## FU 90 Degree Twist Conveyor Beam (Counter-Clockwise)

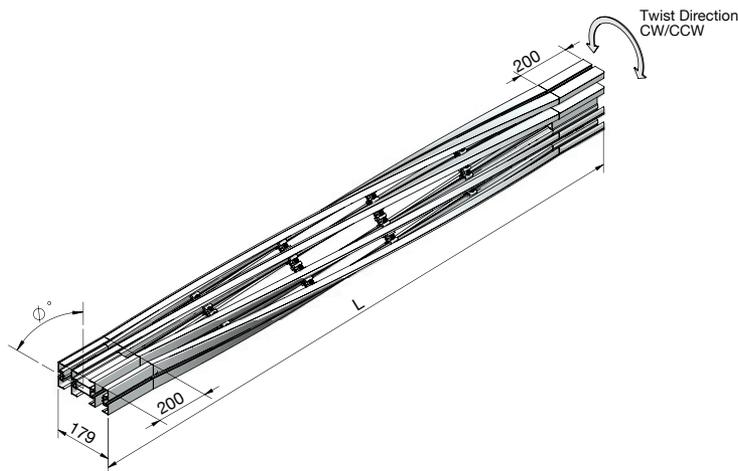
FUTB-CCW90x3000



## FU Twist Conveyor Beam 15° - 90°

FUTB-AAABx3000

Where AAA = CW or CCW, BB = Angle



### Example for FU Twist Conveyor Beam Ordering

- Twist Conveyor Beam,  $\varnothing^\circ \pm 5^\circ$

If an angle of  $30^\circ$  is needed for twist beam, in clockwise direction and length 3.0 m, the ordering part number is

**FUTB-CW30x3000**

Angle of  $\varnothing^\circ$ , twist direction, and length  $L$ , must be indicated when ordering.

**UOM: pc**  
Chain required: 6 meter  
Slide rail required: 12 meter

Variety of chain type suitable for wide range of applications either horizontal or vertical product transportation. The maximum product width to be conveyed can be referred to guide rail assembly pages.

### FV Series Characteristic

**Beam Width:** 260 mm

**Product Width:** Refer to Guide Rail Assembly

### Accessories Needed

**Slide Rail Required:** FASR-25, FASR-25U, FASR-25X

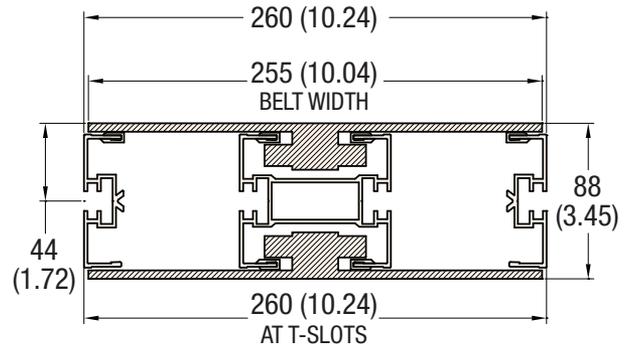
**Slide Rail Color:** White or Natural Color

**Slide Rail Material:** HDPE, UHMW OR SPECIAL PE

**Slide Rail Rivet & Screw:** FASLR-4X6 or FASLS-M5

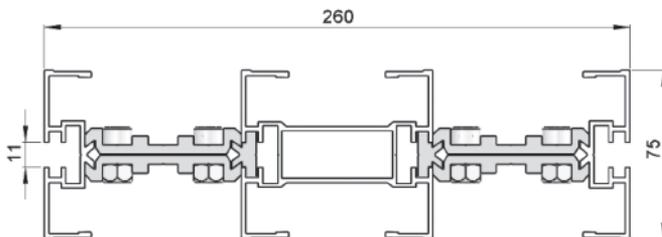
Connecting strip is used to connect two beams.

**Connecting Strip:** FACS-25x140A

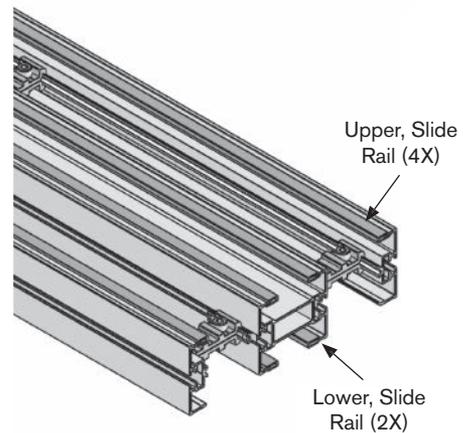
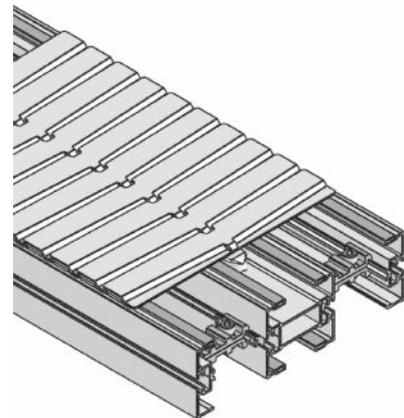


**260 MM WIDTH**

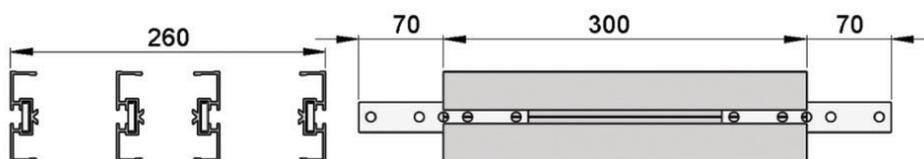
### Conveyor Beam **FVCB-3**



**UOM:** 3 Meter / Length



### Chain Connecting Module **FVCC-300**



**Beam section for chain installation.**

**UOM:** pc

## Chain Common Data

**Packaging:** 5 m per box

**Pitch:** 33.5 mm

**Width:** 255 mm

Tensile Strength at 20°C: 6000N

**Color:** White

### Material:

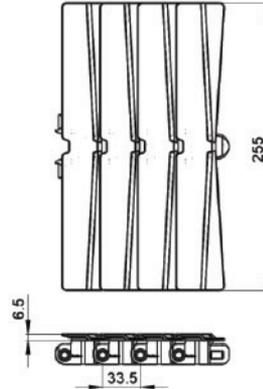
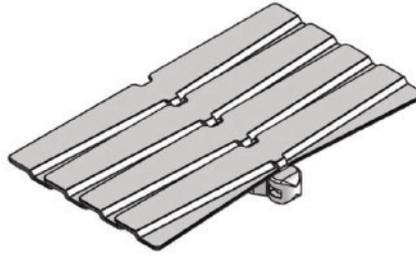
**Chain:** White Acetal / POM

**Pivot:** Polyamide

**Pivot Pin:** Stainless Steel

**Insert (Wedge & Friction):** TPE Grey

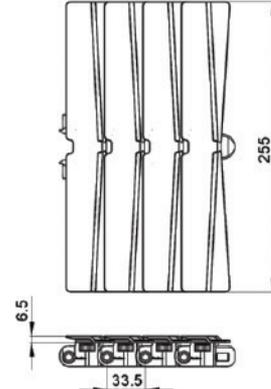
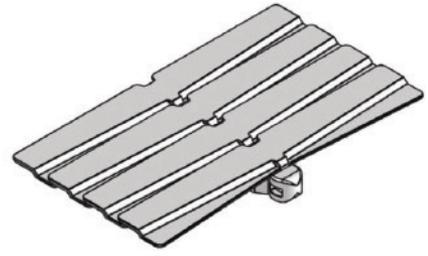
### Plain Chain FVPC-5



**UOM: 5 Meter / box**

Application: Suitable for horizontal and slope < 5° transport of products with accumulation.

### Roller Plain Chain FVPC-5R

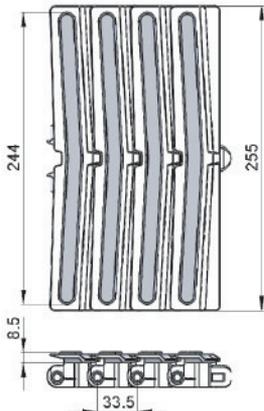
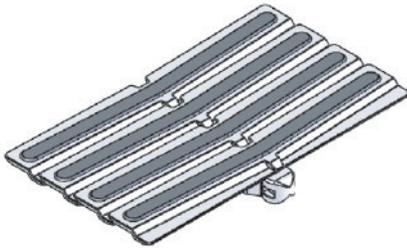


**UOM: 5 Meter / box**

Application: Suitable for horizontal and slope < 5° transport of products with accumulation.

**Note: Friction Reducing Roller Chain Recommended for high speed or high load plain bends**

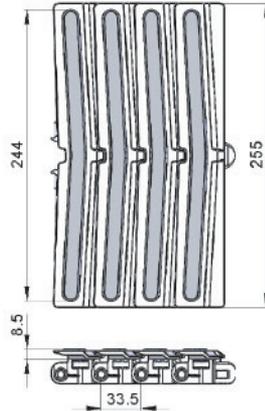
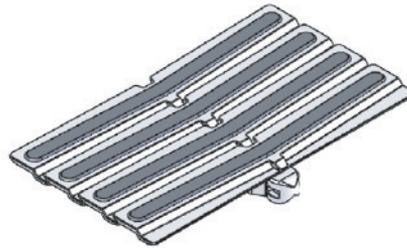
### Friction Top Chain FVFT-5



**UOM: 5 Meter / box**

Application: Suitable for horizontal and slope ≤ 30° transport of products without accumulation.

### Roller Friction Top Chain FVFT-5R

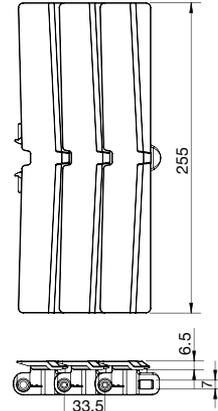
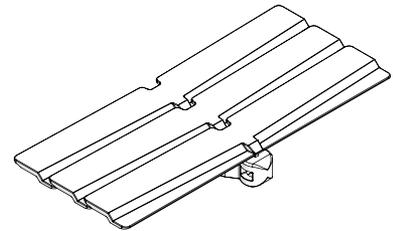


**UOM: 5 Meter / box**

Application: Suitable for horizontal and slope ≤ 30° transport of products without accumulation.

**Note: Friction Reducing Roller Chain Recommended for high speed or high load plain bends**

### Twist Chain FVPC-5M

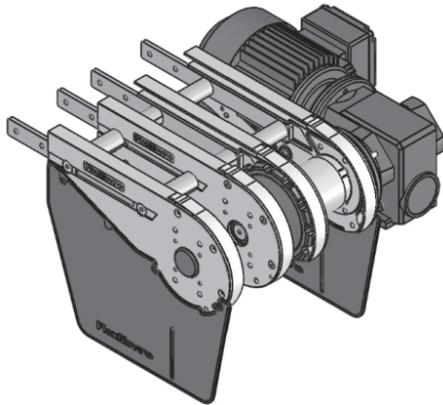


**UOM: 5 Meter / box**

Application: Suitable twist conveyor beam; horizontal and slope < 5° transport of products with accumulation.

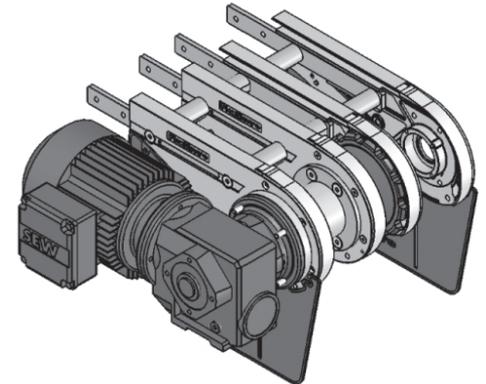
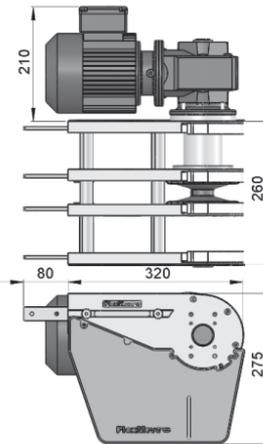
## FV Direct End Drive with Motor (LEFT)

FVDD-A260-XDY (See Chart)



## FV Suspended Drive with Motor (RIGHT)

FVDD-A260-XDY (See Chart)



Part Number		Shaft Selection	Direction	Aux Shaft Selection
FVDD-A260	-	X	D	Y
		0 = 20 mm	L = Left	Blank = No Aux Shaft
		E = 3/4 in*	R = Right	A = 20 mm Aux Shaft
		A = 20 mm Aux Only		

### Max Traction Force: 1250N

The Direct End Drive Unit is without torque limiter.

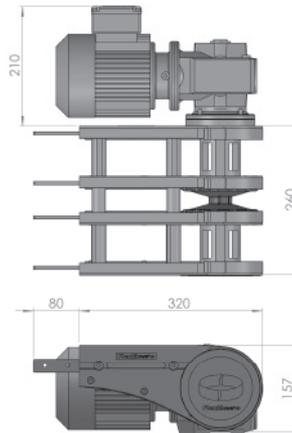
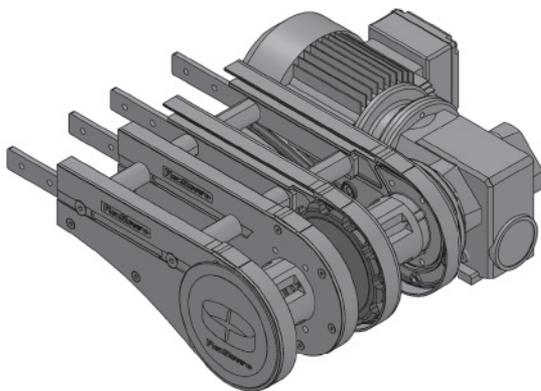
### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0 meter

\*3/4 inch shaft option available in North America only.

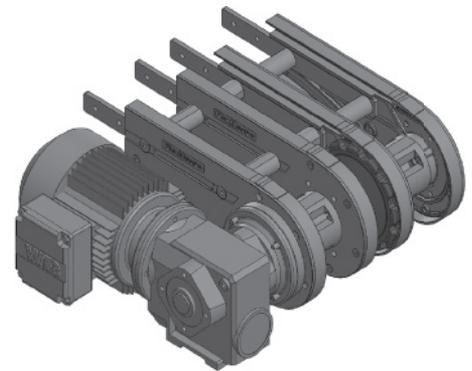
## FV Direct End Drive unit without Motor GP (LEFT)

FVDD-A260GP-XDY (See Chart)



## FV Direct End Drive unit without Motor GP (RIGHT)

FVDD-A260GP-XDY (See Chart)



Part Number		Shaft Selection	Direction	Aux Shaft Selection
FVDD-A260GP	-	X	D	Y
		0 = 20 mm	L = Left	Blank = No Aux Shaft
		E = 3/4 in*	R = Right	A = 20 mm Aux Shaft
		A = 20 mm Aux Only		

### Max Traction Force: 1250N

The Direct End Drive Unit GP is without torque limiter.

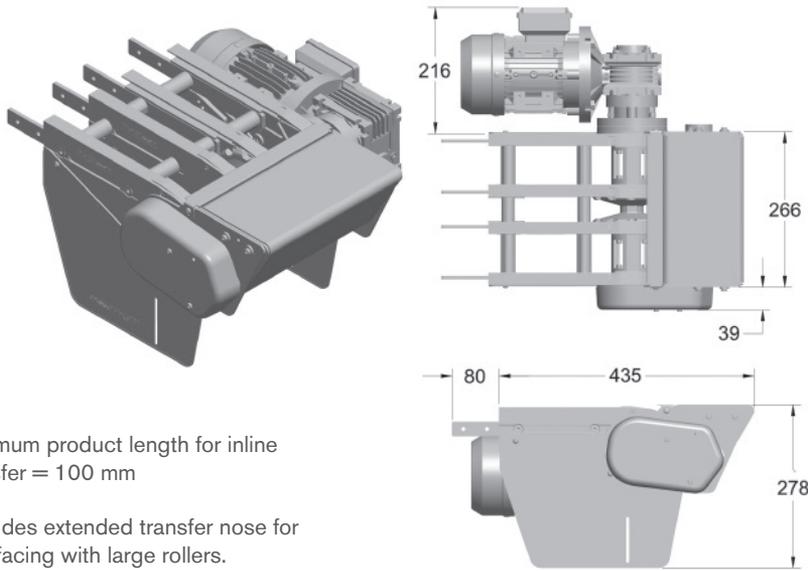
### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0 meter

\*3/4 inch shaft option available in North America only.

## FV Direct with Power Transfer Motor (LEFT)

FVDD-A260PT-XD (See Chart)



Minimum product length for inline transfer = 100 mm

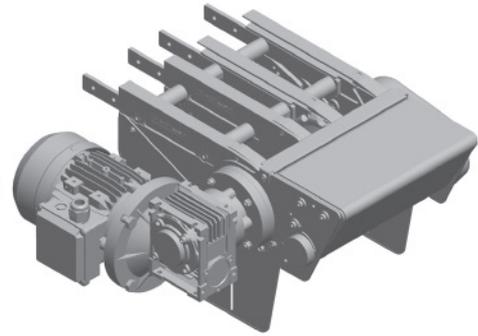
Provides extended transfer nose for interfacing with large rollers.

Part Number		Shaft Selection	Direction
FVDD-A260PT	-	X	D
		0 = 20 mm	L = Left
		E = 3/4 in*	R = Right

\*3/4 inch shaft option available in North America only.

## FV Direct with Power Transfer Motor (RIGHT)

FVDD-A260PT-XD (See Chart)



### Max Traction Force: 1250N

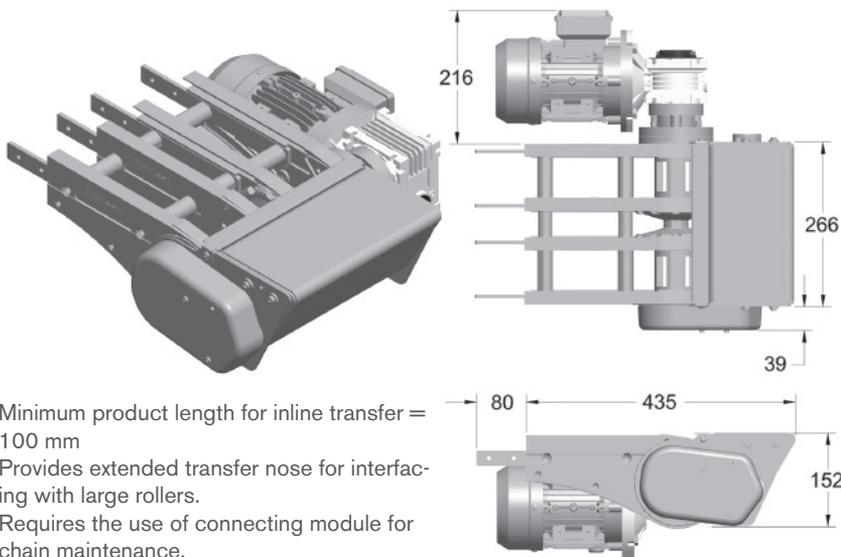
The Direct End Drive Unit is without torque limiter.

### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0 meter

## FV GP Direct with Power Transfer Motor (LEFT)

FVDD-A260GPPT-XD (See Chart)



Minimum product length for inline transfer = 100 mm

Provides extended transfer nose for interfacing with large rollers.

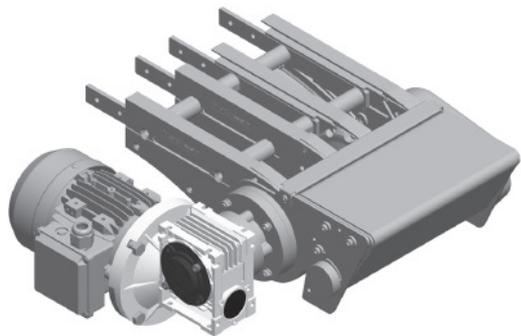
Requires the use of connecting module for chain maintenance.

Part Number		Shaft Selection	Direction
FVDD-A260GPPT	-	X	D
		0 = 20 mm	L = Left
		E = 3/4 in*	R = Right

\*3/4 inch shaft option available in North America only.

## FV GP Direct with Power Transfer Motor (RIGHT)

FVDD-A260GPPT-XD (See Chart)



### Max Traction Force: 1250N

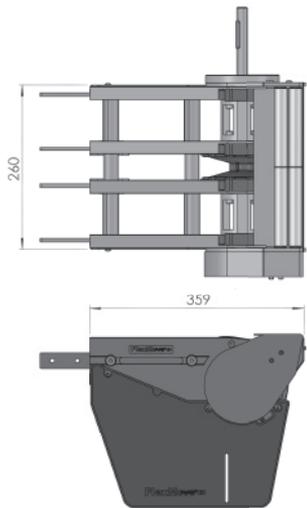
The Direct End Drive Unit GP is without torque limiter.

### UOM: pc

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0 meter

SEW gearmotors are products of SEW Eurodrive

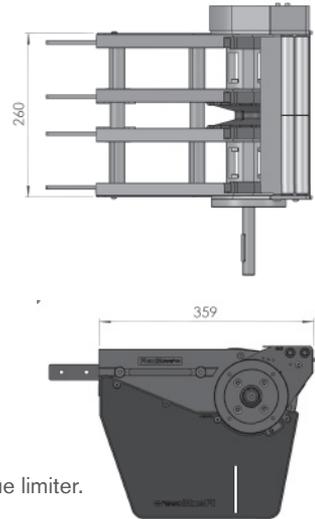
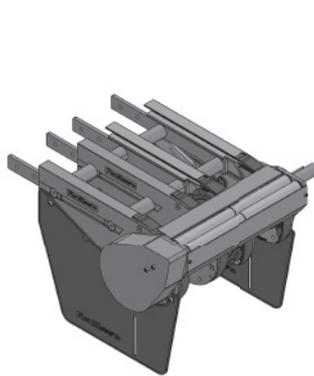
**FV Direct Drive Driven Transfer Bridge (LEFT)**  
**FVDD-A260DB-A-0L**



**UOM: pc**

20 mm Shaft only.  
 Minimum product length for inline transfer = 100 mm  
 Transfer extends past conveyor only 27 mm

**FV Direct Drive Driven Transfer Bridge (RIGHT)**  
**FVDD-A260DB-A-0R**



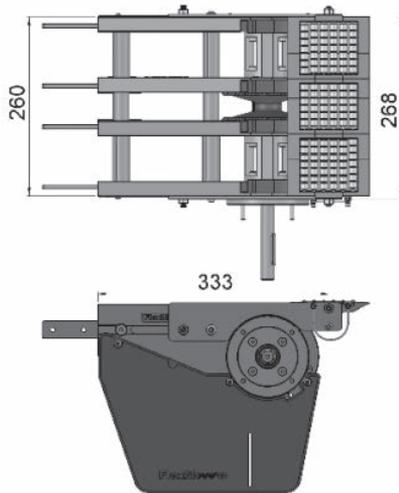
**Max Traction Force: 1250N**

The Direct End Drive Unit is without torque limiter.

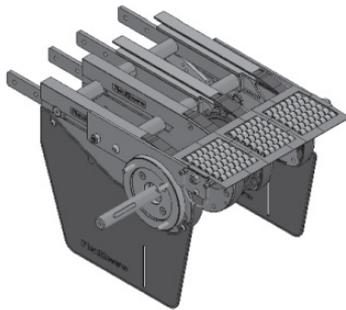
**UOM: pc**

Chain required 2-way: 0.8 meter  
 Slide rail required 2-way: 0 meter

**FV Direct Drive Free Roller Transfer Bridge (LEFT/ RIGHT)**

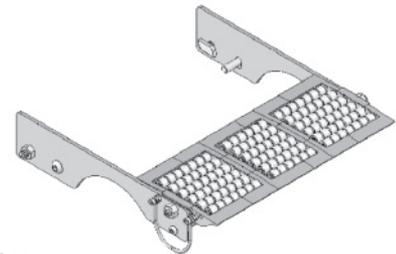


**UOM: pc**



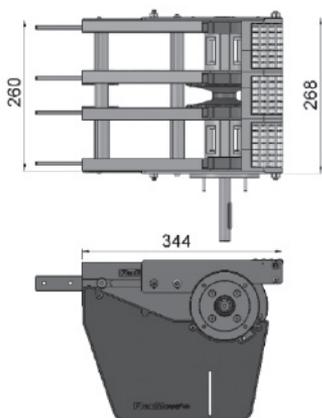
**FVTB-A260**

Transfer bridge c/w roller for FVIE-A260, FVDD-A260-XDY and FVDD-A260GP-XDY

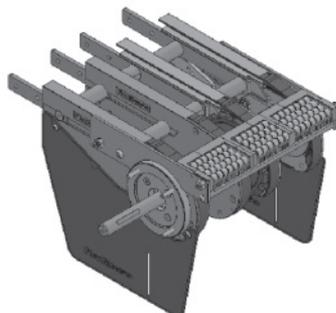


**UOM: pc**

**FV Direct Drive End Free Roller Bridge (LEFT/ RIGHT)**

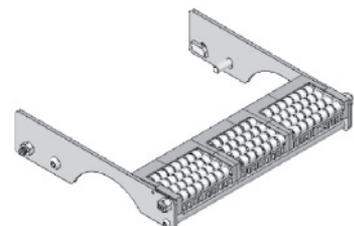


**UOM: pc**



**FVEB-A260**

End transfer bridge c/w roller for FVIE-A260, FVDD-A260-XDY and FVDD-A260GP-XDY



**UOM: pc**

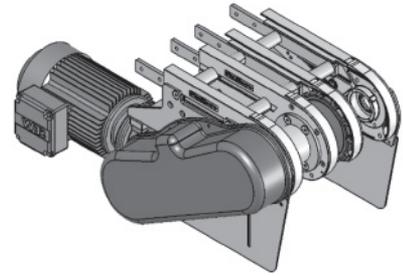
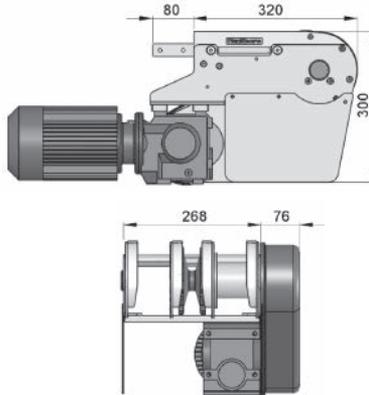
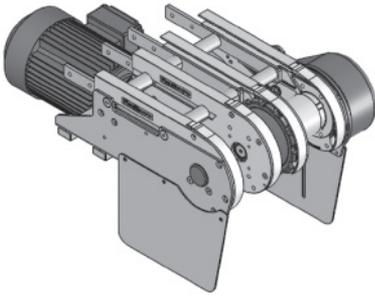
SEW gearmotors are products of SEW Eurodrive

## FV Suspended End Drive with Motor (LEFT)

FVSD-A260-0L (with Torque Limiter)  
FVSD-A260SPT-0L (without Torque Limiter)

## FV Suspended End Drive with Motor (RIGHT)

FVSD-A260-0R (with Torque Limiter)  
FVSD-A260SPT-0R (without Torque Limiter)



**Max Traction Force:**  
**1250N** (without limiter)  
**840N** (with limiter)

**UOM: pc**  
Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0 meter

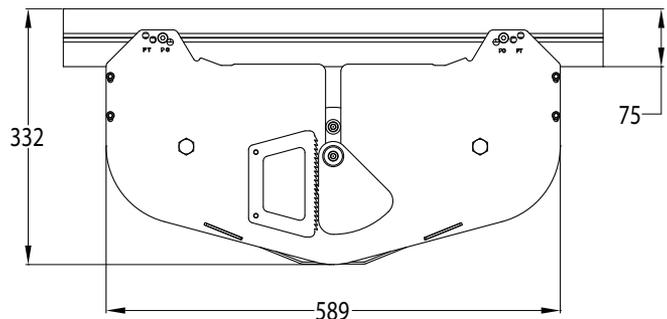
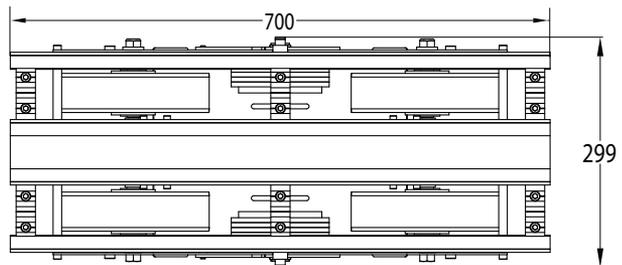
- Locates gearmotor below conveyor for compact applications.
- Includes torque limiter protecting chain and motor from overload.
- Chain pull capacity at 1250N for unit without torque limiter.
- Chain pull capacity at 840N for unit with torque limiter.

## FV Weighted Take-up Module

FV-WTU-700



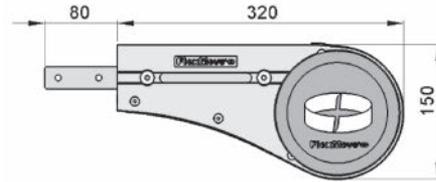
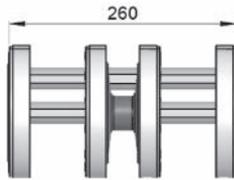
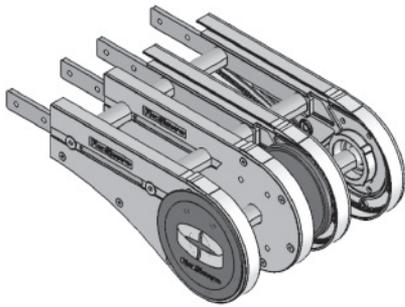
- Provides automatic chain stretch take-up
- Reduces noise caused from catenary tail
- Must be used with GP Drive End, sold separately
- Used on conveyors over 12 M long



**UOM: pc**  
Chain required 1.5 meter  
Slide rail required 3.5 meter

## FV Idler End-260

FVIE-A260

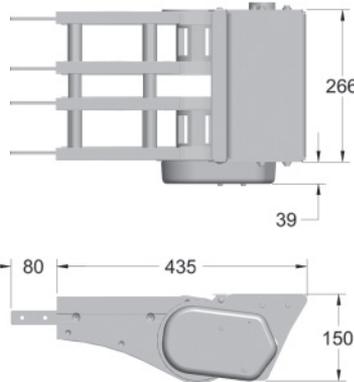
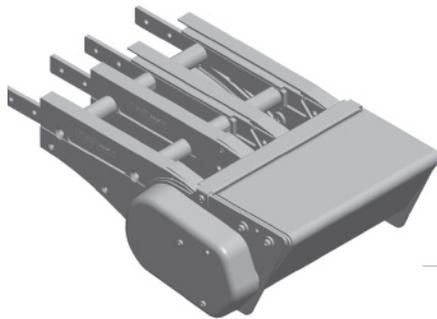


**UOM: pc**

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

## FV Idler End with Power Transfer (LEFT)

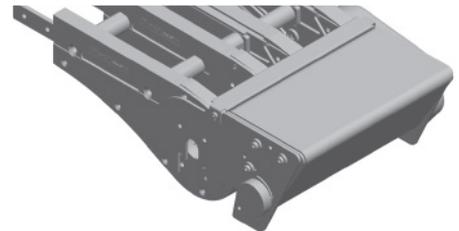
FVIE-A260PT-L



Minimum product length for inline transfer = 100 mm  
Provides extended transfer nose for interfacing with large rollers.

## FV Idler End with Power Transfer (RIGHT)

FVIE-A260PT-R

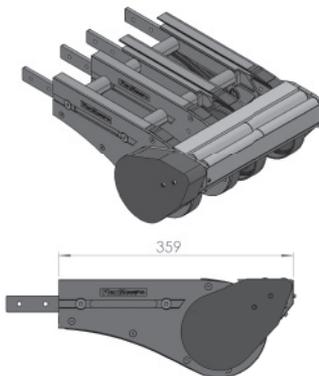
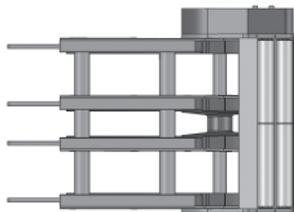


**UOM: pc**

Chain required 2-way: 0.8 meter  
Slide rail required 2-way: 0.5 meter

## FV Idler End Driven Transfer Bridge (LEFT)

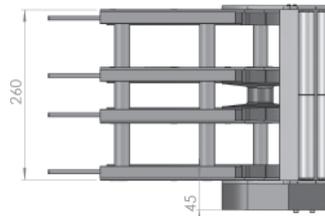
FVIE-A260DB-L



Minimum product length for inline transfer = 100 mm  
Transfer extends past conveyor only 27 mm

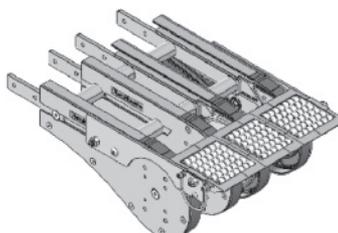
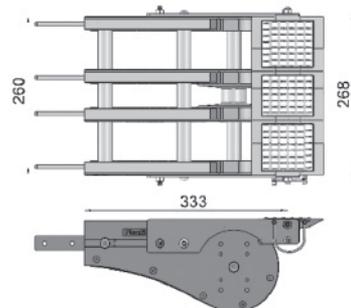
## FV Idler End Driven Transfer Bridge (RIGHT)

FVIE-A260DB-R



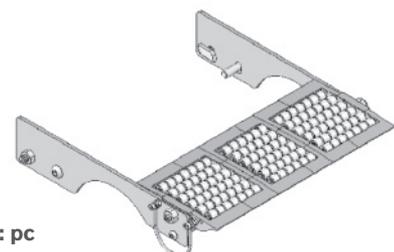
**UOM: pc**

## FV Idler Free Roller Transfer Bridge



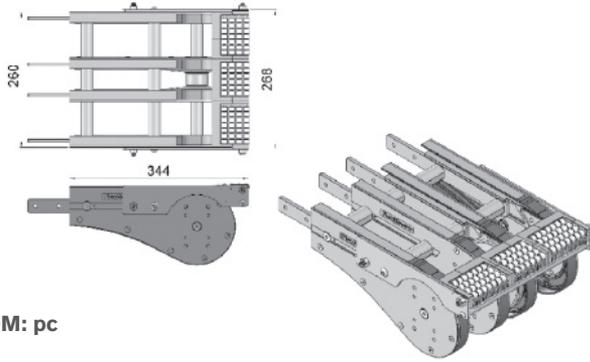
FVTB-A260

Transfer bridge c/w roller for FVIE-A260, FVDD-A260-XDY and FVDD-A260GP-XDY



**UOM: pc**

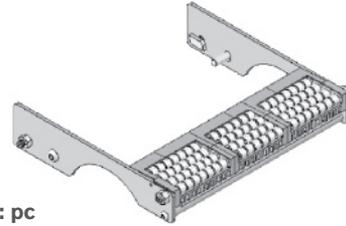
## FV Idler End Free Roller Bridge



UOM: pc

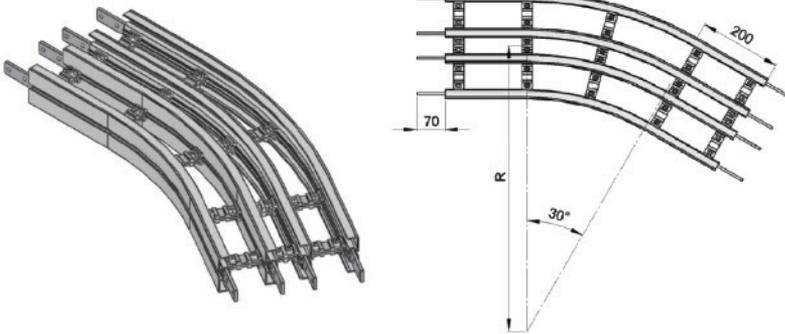
## FVEB-A260

End transfer bridge c/w roller for FVIE-A260, FVDD-A260-XDY and FVDD-A260GP-XDY



UOM: pc

## FV Horizontal Plain Bend 30°



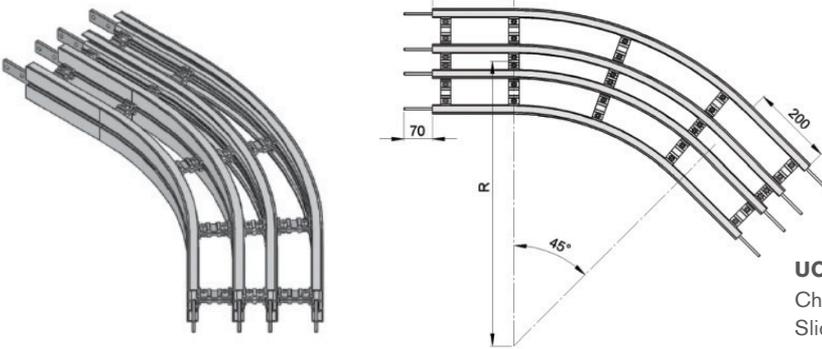
### Horizontal plain bend, 30° ± 1°

R = 700 ± 10 mm **FVHB-30R700**  
R = 1000 ± 10 mm **FVHB-30R1000**

UOM: pc

Chain required 2-way (700, 1000): 1.5, 1.8 meter  
Slide rail required 2-way (700, 1000): 4.6, 5.5 meter

## FV Horizontal Plain Bend 45°



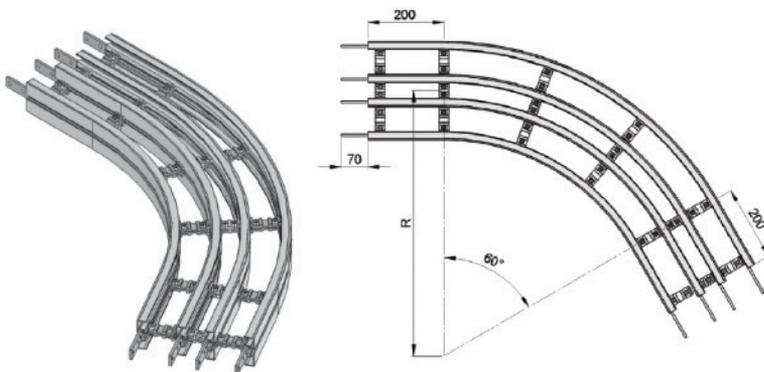
### Horizontal plain bend, 45° ± 1°

R = 700 ± 10 mm **FVHB-45R700**  
R = 1000 ± 10 mm **FVHB-45R1000**

UOM: pc

Chain required 2-way (700, 1000): 1.9, 2.4 meter  
Slide rail required 2-way (700, 1000): 5.7, 7.1 meter

## FV Horizontal Plain Bend 60°



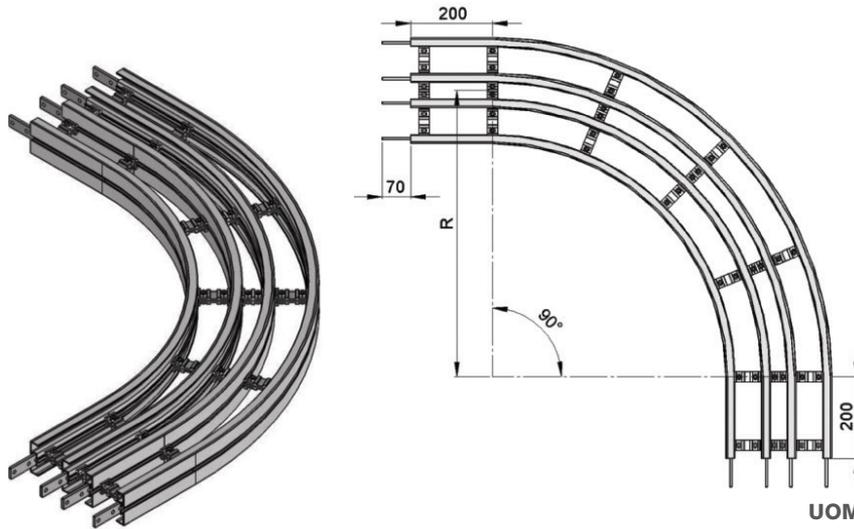
### Horizontal plain bend, 60° ± 1°

R = 700 ± 10 mm **FVHB-60R700**  
R = 1000 ± 10 mm **FVHB-60R1000**

UOM: pc

Chain required 2-way (700, 1000): 2.3, 2.9 meter  
Slide rail required 2-way (700, 1000): 6.8, 8.7 meter

## FV Horizontal Plain Bend 90°



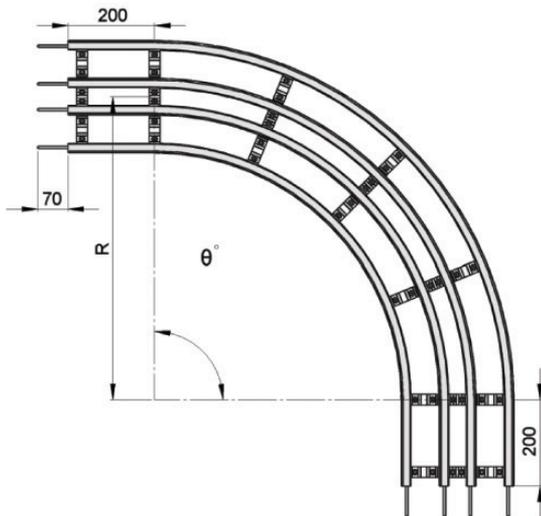
### Horizontal plain bend, 90° ± 1°

- R = 700 ± 10 mm      **FVHB-90R700**
- R = 1000 ± 10 mm    **FVHB-90R1000**

**UOM: pc**

Chain required 2-way (700, 1000): 3.0, 3.9 meter  
 Slide rail required 2-way (700, 1000): 9.0, 11.8 meter

## FV Horizontal Plain Bend 5° - 180°



### Example for FV Horizontal Plain Bend Ordering

#### Horizontal plain bend, θ° ± 1°

- R = 700 ± 10 mm      **FVHB - θ°R700**
- R = 1000 ± 10 mm    **FVHB - θ°R1000**

If an angle of 120° is needed for radius R700 horizontal plain bend, the ordering part number is

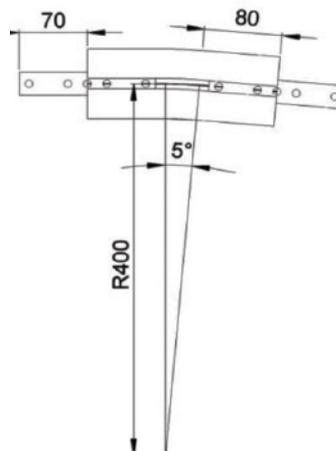
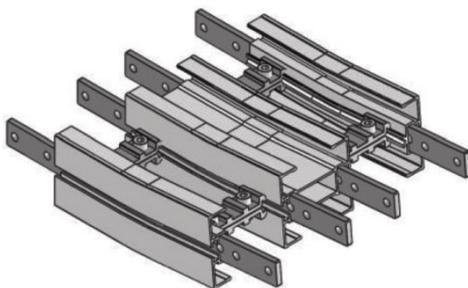
**FVHB -120R700**

**UOM: pc**

Chain required 2-way (700, 1000): meter (variable to angle)  
 Slide rail required 2-way (700, 1000): meter (variable to angle)

## FV Vertical Bend 5°

**FVVB-5R400**

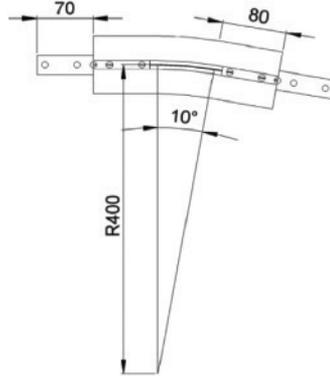
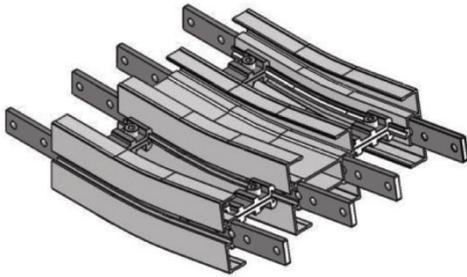


**UOM: pc**

Chain required 2-way: 0.4 meter  
 Slide rail required 2-way: 1.2 meter

**FV Vertical Bend 10°**

FVVB-10R400

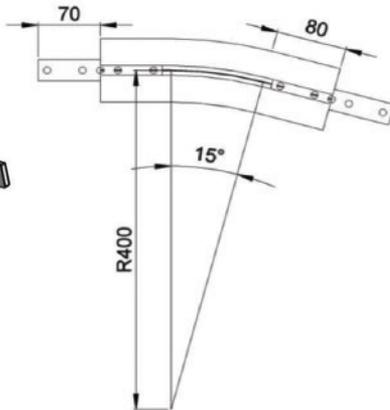
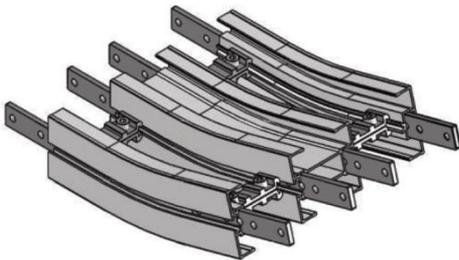


**UOM: pc**

Chain required 2-way: 0.5 meter  
Slide rail required 2-way: 1.4 meter

**FV Vertical Bend 15°**

FVVB-15R400

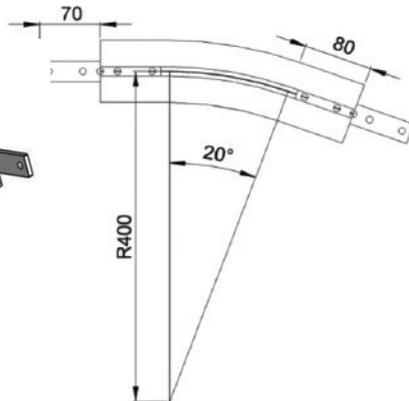
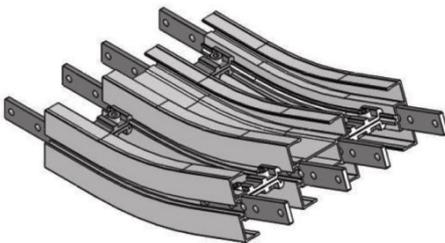


**UOM: pc**

Chain required 2-way: 0.5 meter  
Slide rail required 2-way: 1.6 meter

**FV Vertical Bend 20°**

FVVB-20R400

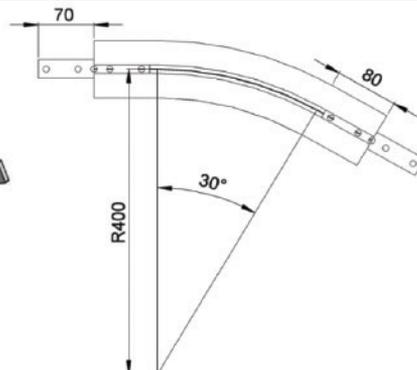
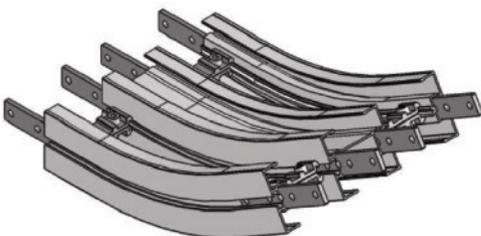


**UOM: pc**

Chain required 2-way: 0.6 meter  
Slide rail required 2-way: 1.8 meter

**FV Vertical Bend 30°**

FVVB-30R400

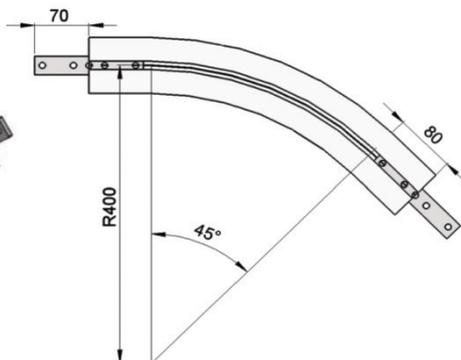
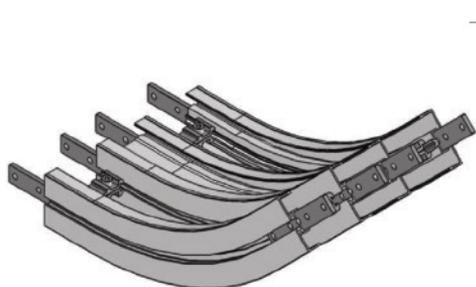


**UOM: pc**

Chain required 2-way: 0.7 meter  
Slide rail required 2-way: 2.2 meter

## FV Vertical Bend 45°

FVVB-45R400

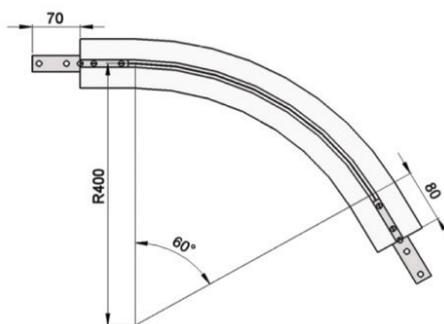
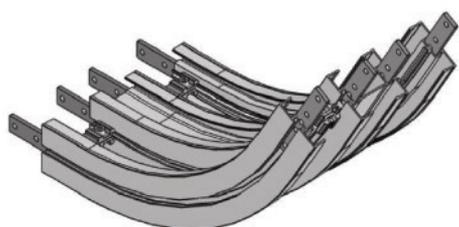


**UOM: pc**

Chain required 2-way: 0.9 meter  
Slide rail required 2-way: 2.8 meter

## FV Vertical Bend 60°

FVVB-60R400

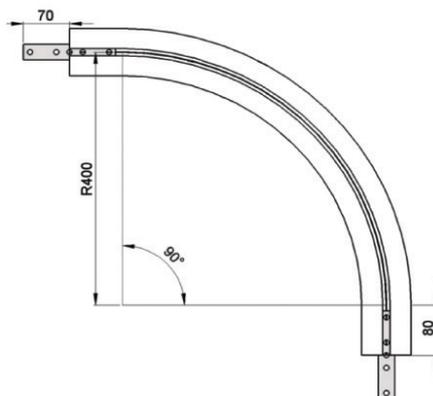
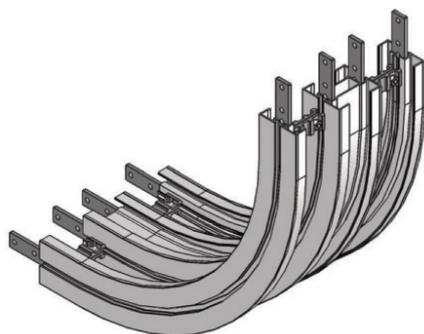


**UOM: pc**

Chain required 2-way: 1.2 meter  
Slide rail required 2-way: 3.5 meter

## FV Vertical Bend 90°

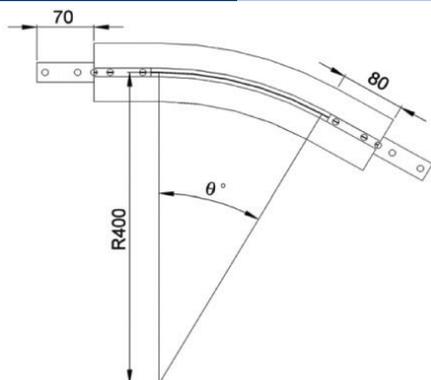
FVVB-90R400



**UOM: pc**

Chain required 2-way: 1.6 meter  
Slide rail required 2-way: 4.7 meter

## FV Vertical Bend 5°-90°



**Example for FV Vertical Bend Ordering**

- Vertical bend,  $\theta^\circ \pm 1^\circ$
- FVVB- $\theta^\circ$ R400

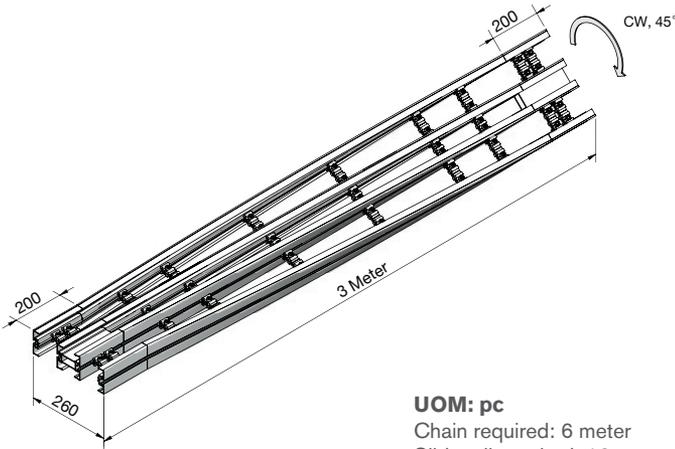
If an angle of 65° is needed for vertical bend, the ordering part number is

**FVVB-65R400**

*The outer bend is assembled using connecting strip (FACS-25x140A).  
Angle of "θ°" must be indicated when ordering.*

**FV 45 Degree Twist Conveyor Beam (Clockwise)**

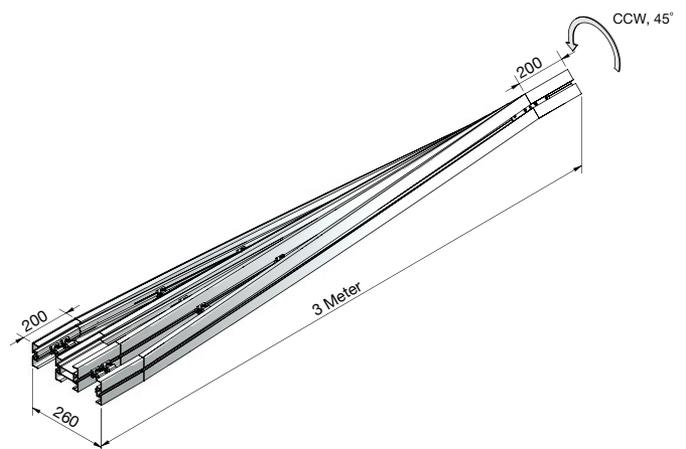
**FVTB-CW45x3000**



**UOM: pc**  
Chain required: 6 meter  
Slide rail required: 12 meter

**FV 45 Degree Twist Conveyor Beam (Counter-Clockwise)**

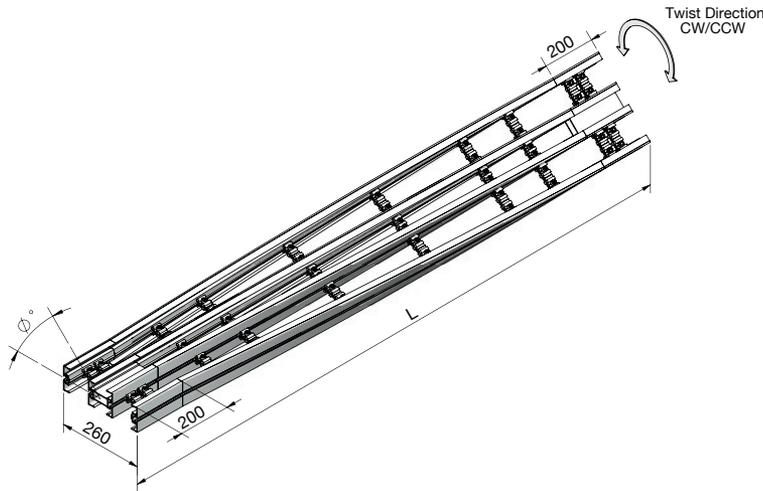
**FVTB-CCW45x3000**



**FV Twist Conveyor Beam 15° - 45°**

**FVTB-AAABx3000**

Where AAA = CW or CCW, BB = Angle



**Example for FV Twist Conveyor Beam Ordering**

- Twist Conveyor Beam,  $\text{Ø}^\circ \pm 5^\circ$

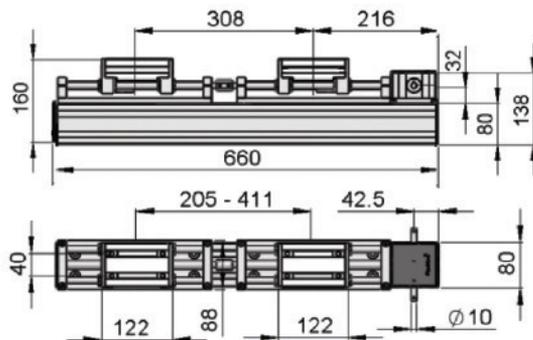
If an angle of  $30^\circ$  is needed for twist beam, in clockwise direction and length 2.5 m, the ordering part number is

**FVTB-CW30x3000**

Angle of  $\text{Ø}^\circ$ , twist direction, and length  $L$ , must be indicated when ordering.

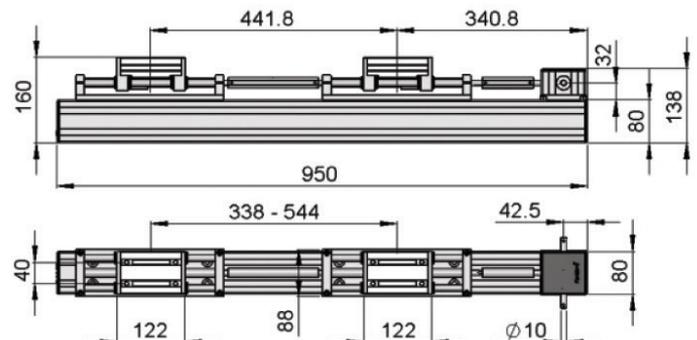
**UOM: pc**  
Chain required: 6 meter  
Slide rail required: 12 meter

**FZWA-660A** Width Adjustment Actuator 660 mm



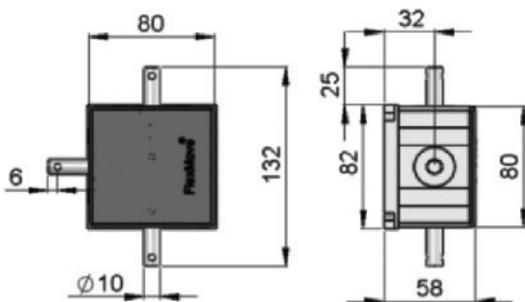
UOM: Unit

**FZWA-950A** Width Adjustment Actuator 950 mm



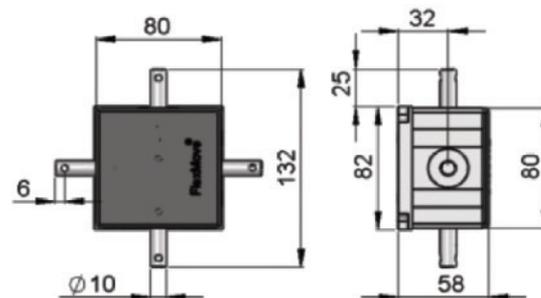
UOM: Unit

**FZGB-903** Angle Gear Unit-3 direction



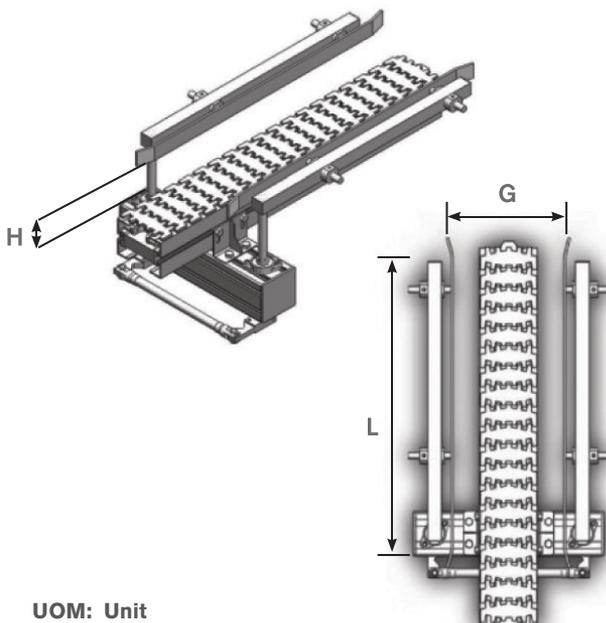
UOM: Unit

**FZGB-904** Angle Gear Unit - 4 direction



UOM: Unit

**Centering Device** FZCD - L x H x G



UOM: Unit

**Application:** Positioning of products at center of conveyor

**Standard Arm Length (L):** 100 mm, 150 mm, 200 mm, 250 mm

**Standard Arm Height (H):** 50 mm, 100 mm, 150 mm

**Standard Arm Gap (G):** 140 mm (FS), 160 mm (FM), 180 mm (FC), 225 mm (FL), 255 mm (FU), 374 mm (FW)

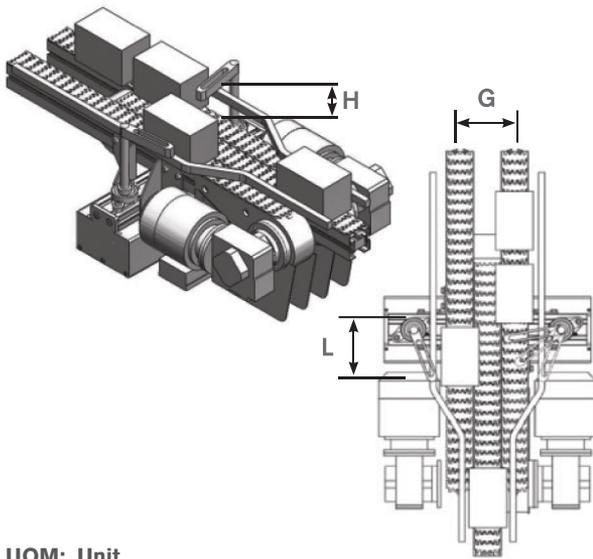
Applicable for all FlexMove chain series.

Please specify:

- 1) Conveyor Series
- 2) Product Dimension (L x W x H) during order.

## Parallel Traffic Cop

FZPTC – L x H x G



**Application:** Product flow control / merging.

**Standard Arm Length (L):** 50 mm, 150 mm, 200 mm, 250 mm, 300 mm

**Standard Arm Height (H):** 50 mm, 100 mm, 150 mm

**Standard Arm Gap (G):** 360 mm (FS), 420 mm (FM), 480 mm (FC), 615 mm (FL), 705 mm (FU), 1065 mm (FW)

Applicable for all FlexMove chain series.

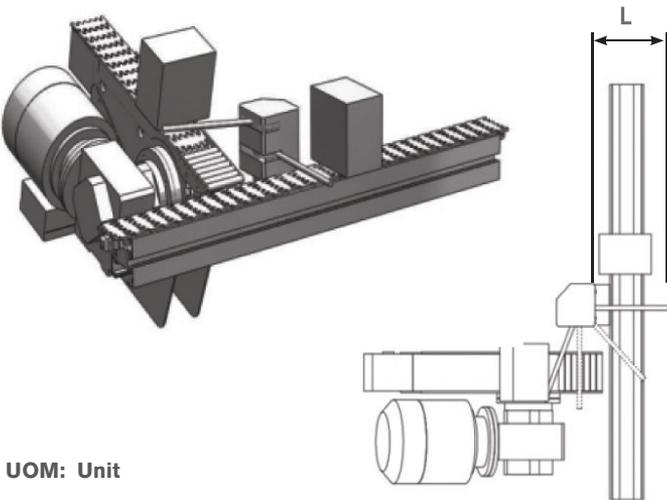
Please specify:

- 1) Conveyor Series
- 2) Product Dimension (L x W x H) during order.

**UOM:** Unit

## Angle Traffic Cop

FZATC – L x A



**Application:** Product flow control / merging.

**Standard Arm Length (L):** 100 mm, 150 mm, 200 mm, 250 mm

**Standard Arm Angle (A):** 45°, 90°

Applicable for all FlexMove chain series.

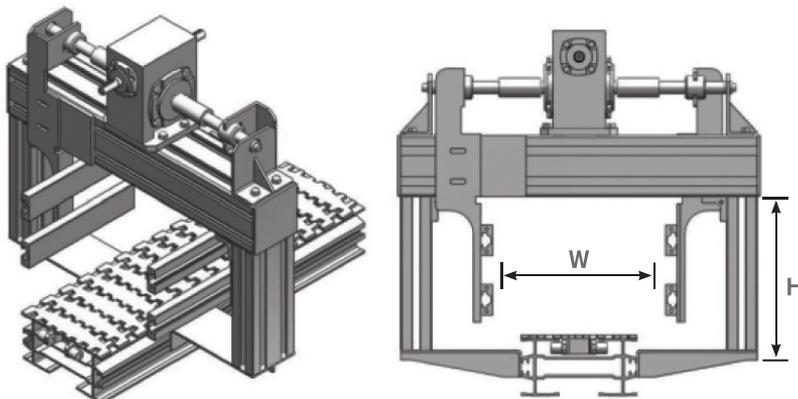
Please specify:

- 1) Conveyor Series
- 2) Product Dimension (L x W x H)
- 3) Diverting Angle during order.

**UOM:** Unit

## Adjustment Side Guide

FZASG – H x W



**Application:** Manual adjustable guide rail for multiple product size

**Standard Arm Height (H):** 100 mm, 150 mm, 200 mm, 250 mm

**Adjustable Width (W):** 65 mm, 85 mm, 105 mm, 150 mm, 225 mm, 300 mm

Applicable for all FlexMove chain series.

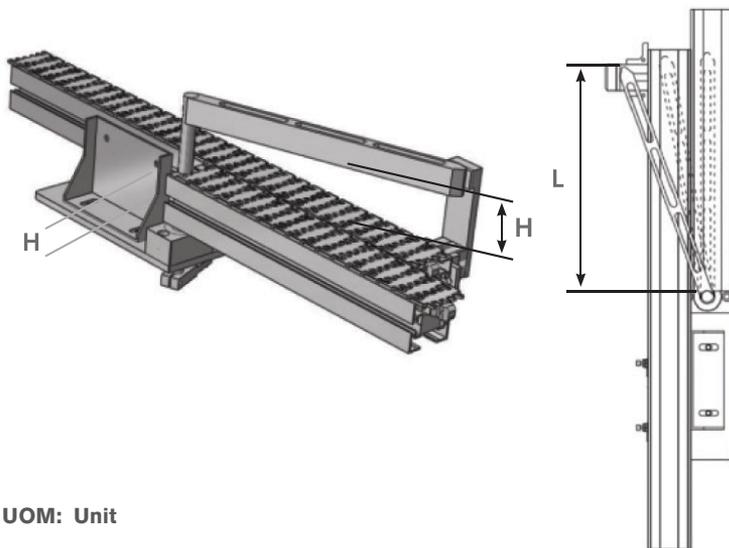
Please specify:

- 1) Conveyor Series
- 2) Product Dimension (L x W x H)

**UOM:** Unit

## Auto Diverter

FZAD – L x H x A



UOM: Unit

**Application:** Pneumatic-controlled automatic diversion of products from one track to another

**Standard Arm Length (L):** 300 mm - 700 mm

**Standard Arm Height (H):** 100 mm, 150 mm, 200 mm

**Standard Arm Angle (A):** 5° - 60°

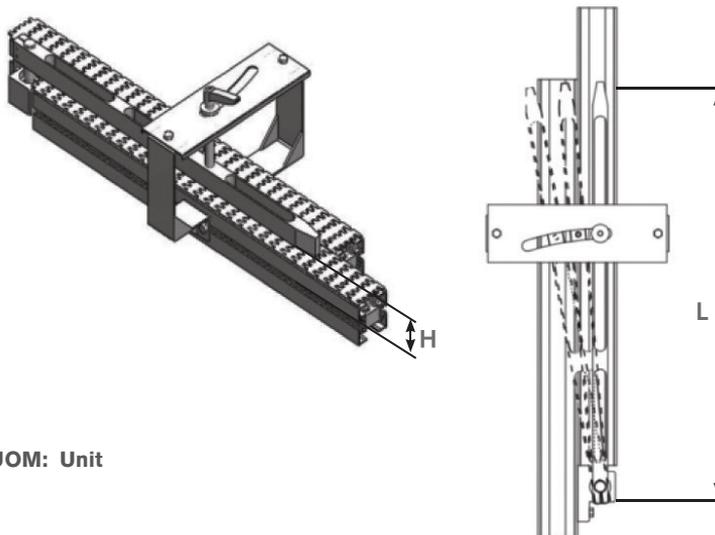
Applicable for all FlexMove chain series.

Please specify:

- 1) Conveyor Series
- 2) Product Dimension (L x W x H)
- 3) Diverting Angle during order.

## Manual Diverter

FZMD – L x H x A



UOM: Unit

**Application:** Manually-controlled diversion of products from one track to another.

**Standard Arm Length (L):** 300 mm – 700 mm

**Standard Arm Height (H):** 100 mm, 150 mm, 200 mm, 250 mm

**Standard Arm Angle (A):** 5° - 60°

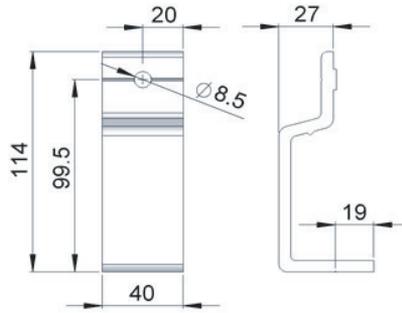
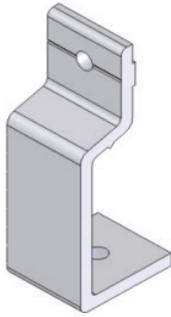
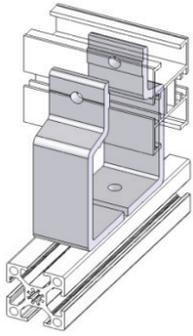
Applicable for all FlexMove chain series.

Please specify:

- 1) Conveyor Series
- 2) Product Dimension (L x W x H) during order.

## FAHBS-40

Horizontal beam support bracket - Aluminum

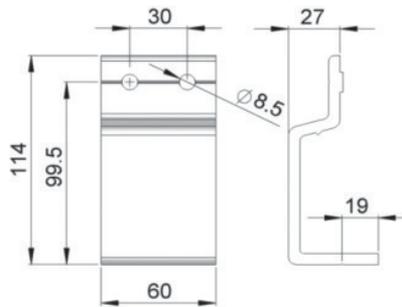
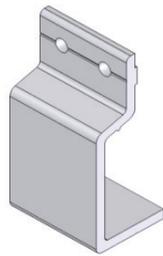
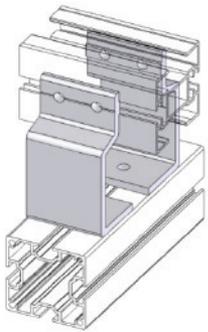


**UOM: pc**  
For 40 mm horizontal crossing support beam

Mounting: FATB-20(1),  
FALN-M8(1), FAHB-M8 x16(1),  
FASN-M8(1), FAFW-M8 (2)

## FAHBS-60

Horizontal beam support bracket - Aluminum

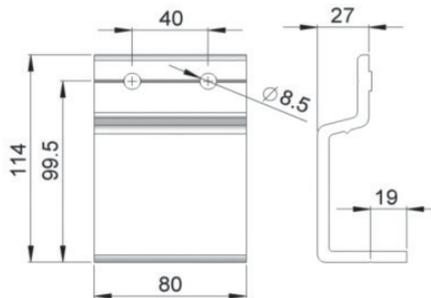
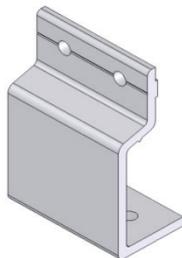
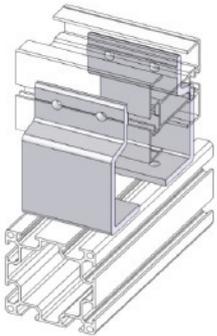


**UOM: pc**  
For 64 mm horizontal crossing support beam

Mounting: FATB-20(2),  
FALN-M8(2), FAHB-M8 x16(1),  
FASN-M8(1), FAFW-M8 (3)

## FAHBS-80

Horizontal beam support bracket - Aluminum

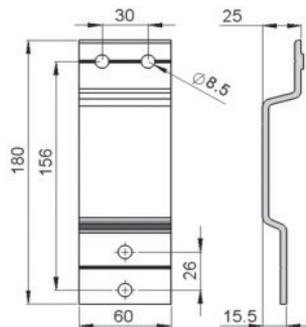
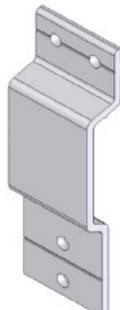
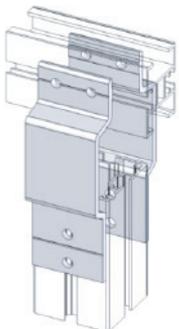


**UOM: pc**  
For 80 mm horizontal crossing support beam

Mounting: FATB-20(2), FALN-M8(2),  
FAHB-M8 x16(2), FASN-M8(2),  
FAFW-M8 (4)

## FAVBS-60K

Vertical beam support bracket - Aluminum

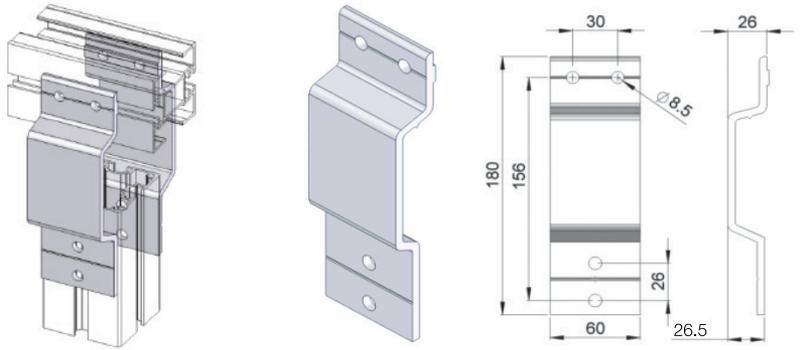


**UOM: pc**  
For FK conveyor with 64 mm vertical support beam

Mounting: FATB-20(2),  
FALN-M8(2), FAHB-M8 x16(2),  
FASN-M8(2), FAFW-M8 (4)

## FAVBS-60S

Vertical beam support bracket - Aluminum

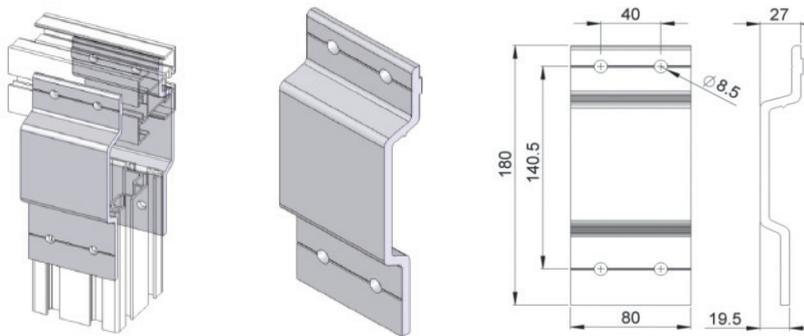


**UOM: pc**  
For FS conveyor with 64 mm vertical beam support

Mounting: FATB-20(2),  
FALN-M8(2), FAHB-M8 x16(2),  
FASN-M8(2), FAFW-M8 (4)

## FAVBS-80S

Vertical beam support bracket - Aluminum

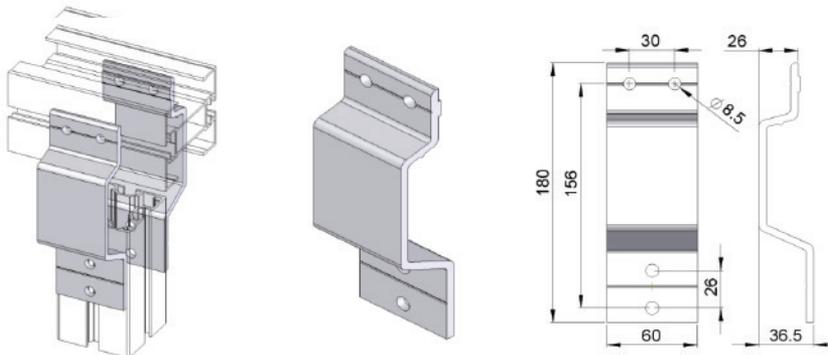


**UOM: pc**  
For FS conveyor with 80 mm vertical beam support

Mounting: FATB-20(2),  
FALN-M8(2), FAHB-M8 x16(2),  
FASN-M8(2), FAFW-M8 (4)

## FAVBS-60M

Vertical beam support bracket - Aluminum

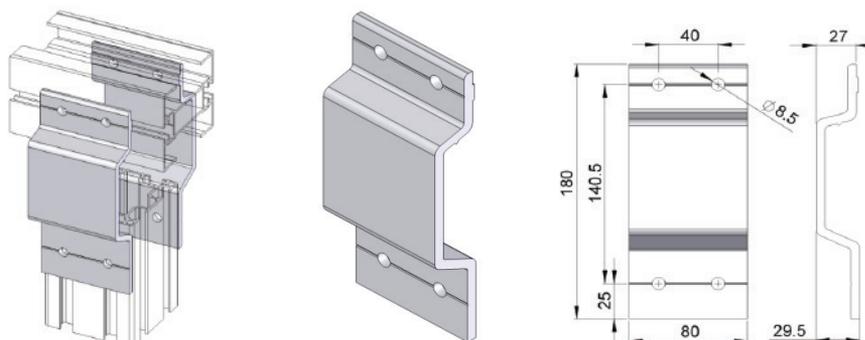


**UOM: pc**  
For FM conveyor with 64 mm vertical support beam

Mounting: FATB-20(2), FALN-M8(2),  
FAHB-M8 x16(2), FASN-M8(2),  
FAFW-M8 (4)

## FAVBS-80M

Vertical beam support bracket - Aluminum

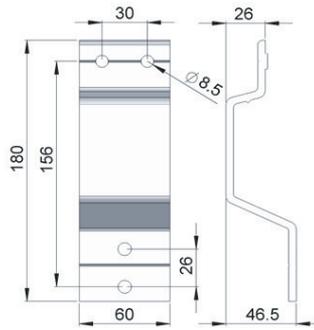
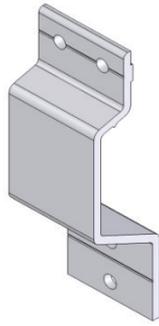
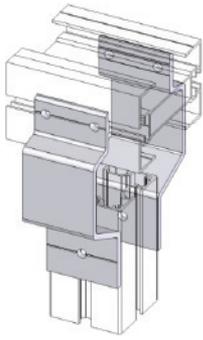


**UOM: pc**  
For FM conveyor with 80 mm vertical beam support

Mounting: FATB-20(2),  
FALN-M8(2), FAHB-M8 x16(2),  
FASN-M8(2), FAFW-M8 (4)

## FAVBS-60C

Vertical beam support bracket - Aluminum



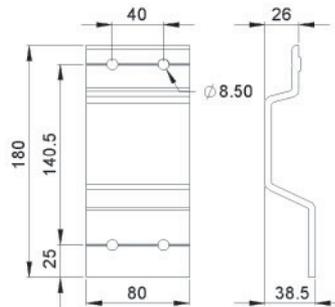
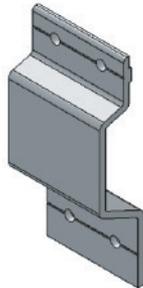
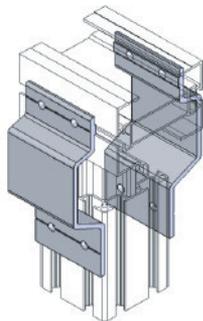
**UOM: pc**

For FC conveyor with 64 mm vertical beam support

Mounting: FATB-20(2), FALN-M8(2), FAHB-M8 x16(2), FASN-M8(2), FAFW-M8 (4)

## FAVBS-80C

Vertical beam support bracket - Aluminum



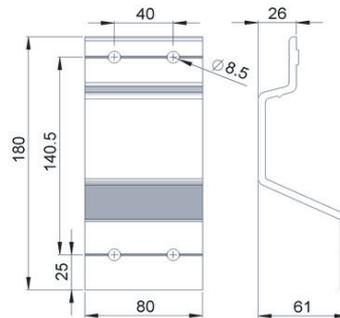
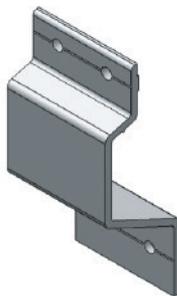
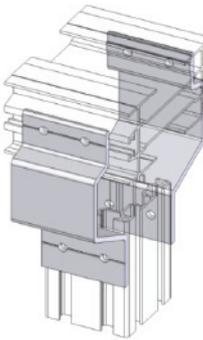
**UOM: pc**

For FC conveyor with 80 mm vertical beam support

Mounting: FATB-20(2), FALN-M8(2), FAHB-M8 x16(2), FASN-M8(2), FAFW-M8 (4)

## FAVBS-80L

Vertical beam support bracket - Aluminum



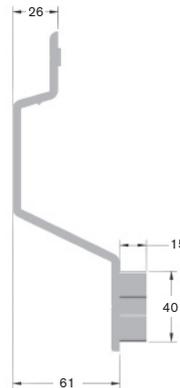
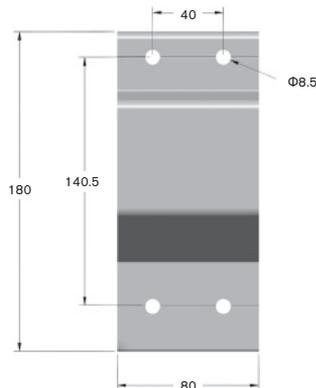
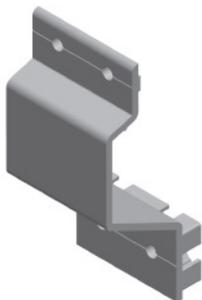
**UOM: pc**

For FL conveyor with 80 mm vertical beam support

Mounting: FATB-20(2), FALN-M8(2), FAHB-M8 x16(2), FASN-M8(2), FAFW-M8 (4)

## FAVBS-80U

Vertical beam support bracket



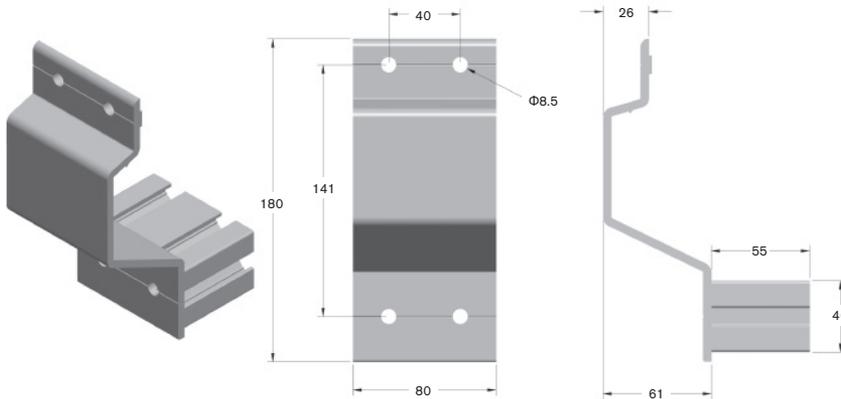
**UOM: pc**

For FU conveyor with 80 mm vertical beam support

Mounting: FATB-20(2), FALN-M8(2), FAFW-M8 (2)

## FAVBS-80V

Vertical beam support bracket

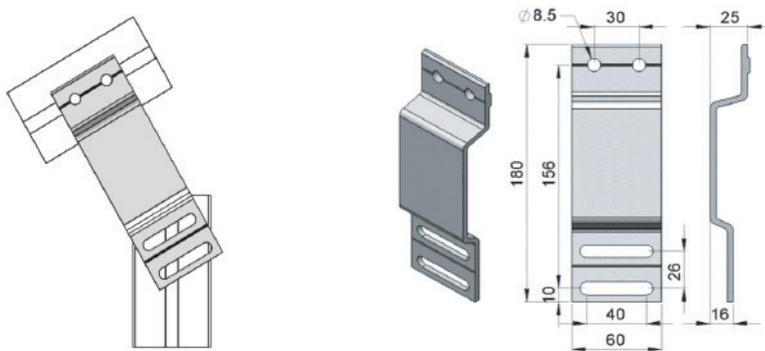


**UOM: pc**  
For FV conveyor with 80 mm vertical beam support

Mounting: FATB-20(2) , FALN-M8(2) , FAFW-M8 (2)

## FAVBS-60KV

Vertical beam support bracket with slot - Aluminum

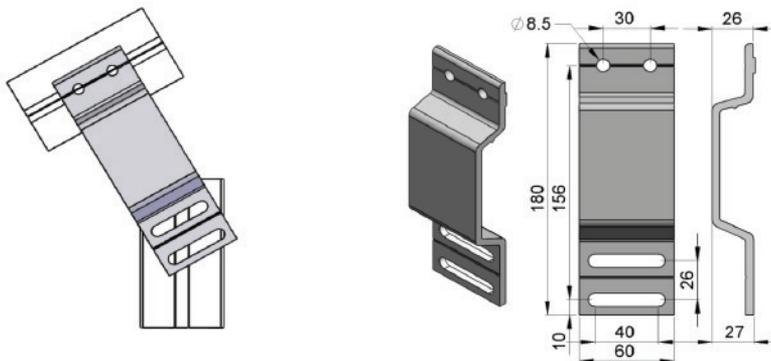


**UOM: pc**  
For FK conveyor with 64 mm vertical support beam

Mounting: FATB-20(2) , FALN-M8(2) , FAHB-M8 x16(2) , FASN-M8(2) , FAFW-M8 (4)

## FAVBS-60SV

Vertical beam support bracket with slot - Aluminum

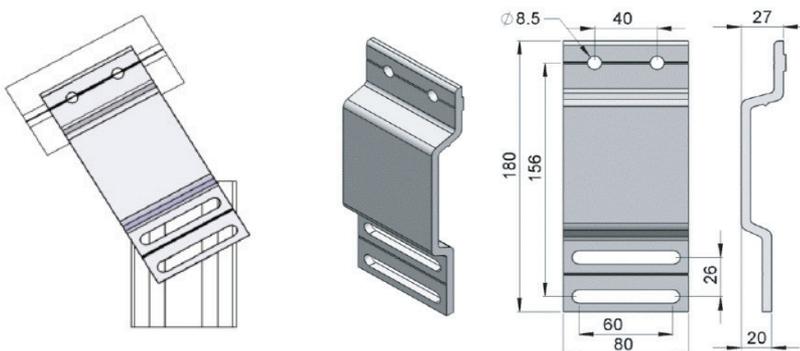


**UOM: pc**  
For FS conveyor with 64 mm vertical beam support

Mounting: FATB-20(2) , FALN-M8(2) , FAHB-M8 x16(2) , FASN-M8(2) , FAFW-M8 (4)

## FAVBS-80SV

Vertical beam support bracket with slot - Aluminum

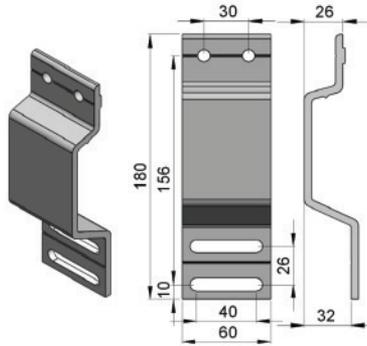
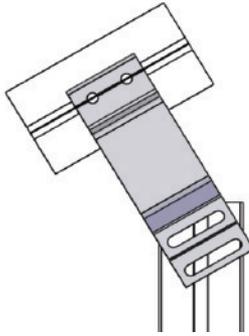


**UOM: pc**  
For FS conveyor with 80 mm vertical beam support

Mounting: FATB-20(2) , FALN-M8(2) , FAHB-M8 x16(2) , FASN-M8(2) , FAFW-M8 (4)

## FAVBS-60MV

Vertical beam support bracket with slot - Aluminum



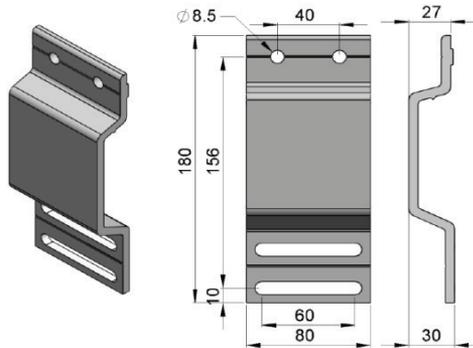
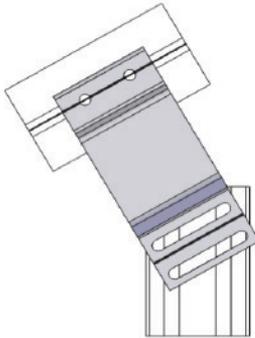
**UOM: pc**

For FM conveyor with 64 mm vertical support beam

Mounting: FATB-20(2), FALN-M8(2), FAHB-M8 x16(2), FASN-M8(2), FAFW-M8 (4)

## FAVBS-80MV

Vertical beam support bracket with slot - Aluminum



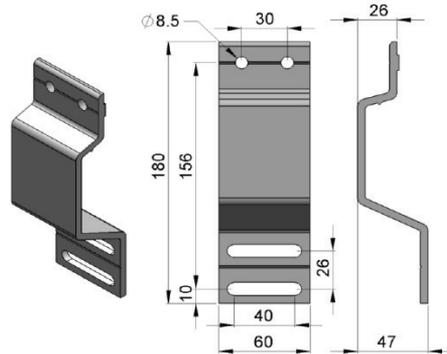
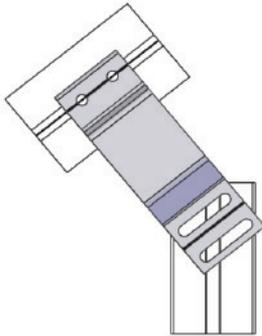
**UOM: pc**

For FM conveyor with 80 mm vertical beam support

Mounting: FATB-20(2), FALN-M8(2), FAHB-M8 x16(2), FASN-M8(2), FAFW-M8 (4)

## FAVBS-60CV

Vertical beam support bracket with slot - Aluminum



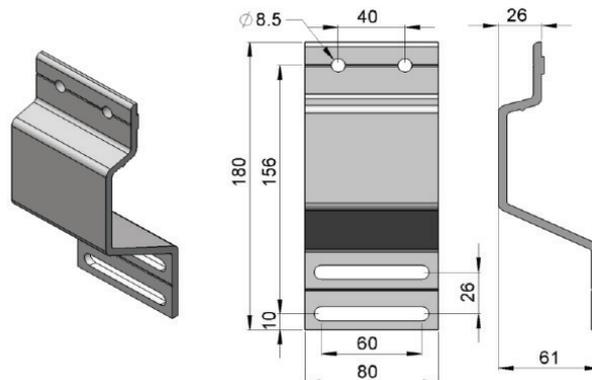
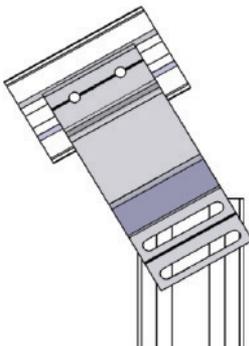
**UOM: pc**

For FC conveyor with 64 mm vertical beam support

Mounting: FATB-20(2), FALN-M8(2), FAHB-M8 x16(2), FASN-M8(2), FAFW-M8 (4)

## FAVBS-80LV

Vertical beam support bracket - Aluminum



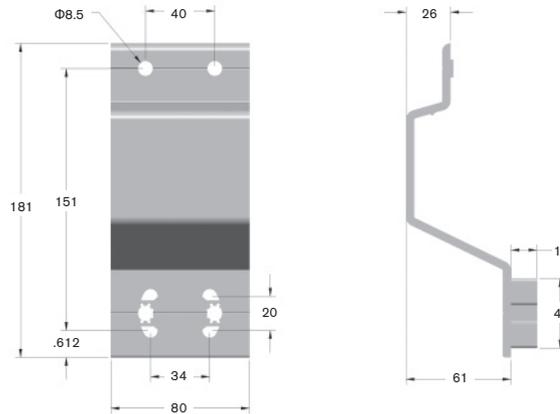
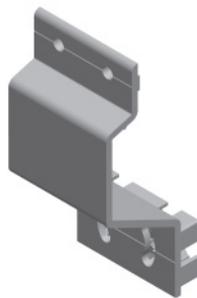
**UOM: pc**

For FL conveyor with 80 mm vertical beam support

Mounting: FATB-20(2), FALN-M8(2), FAHB-M8 x16(2), FASN-M8(2), FAFW-M8 (4)

## FAVBS-80UV

Vertical beam support bracket

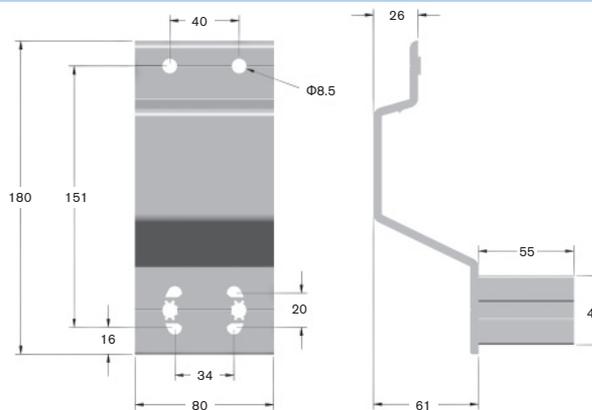
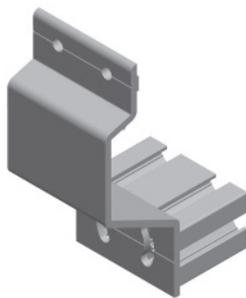


**UOM: pc**  
For FU conveyor with 80 mm vertical support beam

Mounting: FATB-20(2) , FALN-M8(2) , FAFW-M8 (2)

## FAVBS-80VV

Vertical beam support bracket

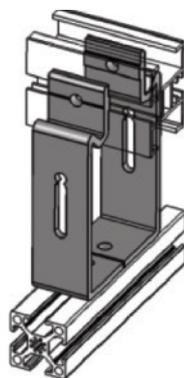
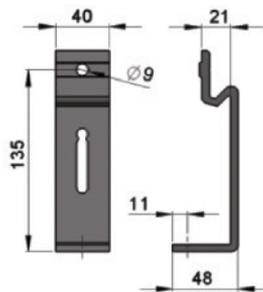


**UOM: pc**  
For FU conveyor with 80 mm vertical beam support

Mounting: FATB-20(2) , FALN-M8(2) , FAFW-M8 (2)

## FAHBS-40x135

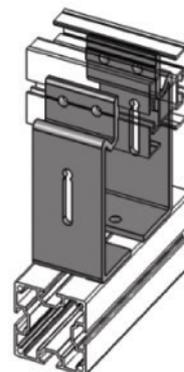
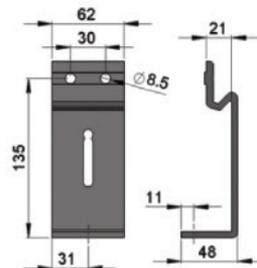
Horizontal beam support bracket - Aluminum



**UOM: pc**  
For 40 mm horizontal crossing support beam

## FAHBS-62x135

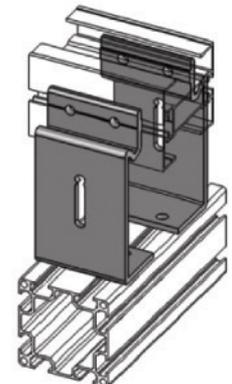
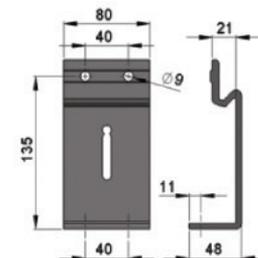
Horizontal beam support bracket - Aluminum



**UOM: pc**  
For 64mm horizontal crossing support beam

## FAHBS-80x135

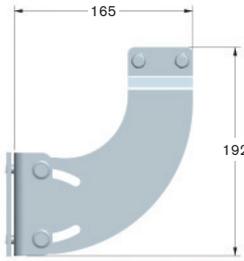
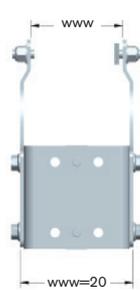
Horizontal beam support bracket - Aluminum



**UOM: pc**  
For 80 mm horizontal crossing support beam

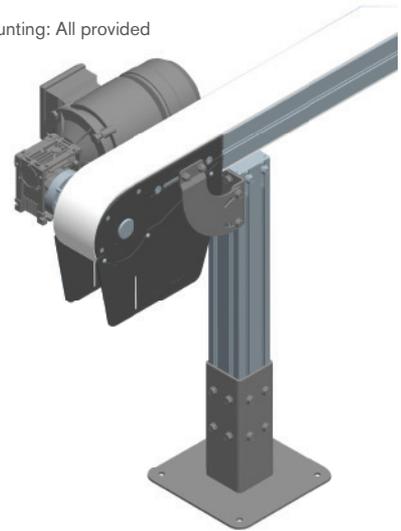
## FADBS-WWXV

### Drive End Support Bracket



**UOM: pc**  
For support of direct drive end to vertical beam support

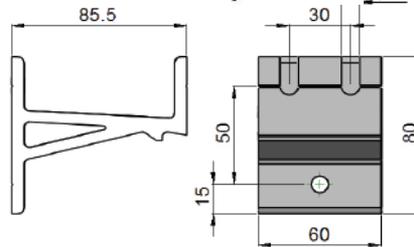
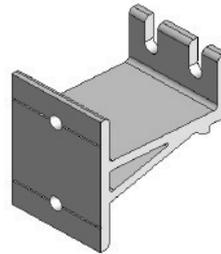
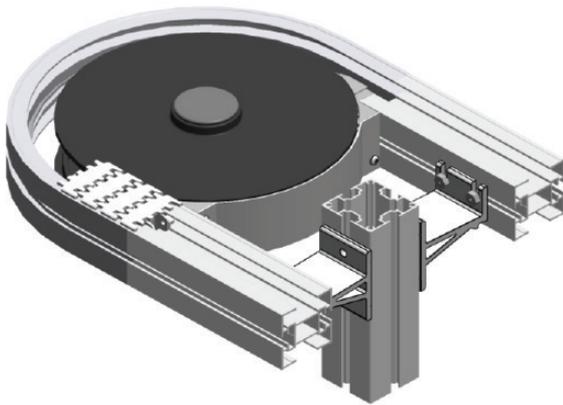
Mounting: All provided



Part Number	Beam	Conveyor	Adjustable
FADBS	WW	X	V
		K = 45 mm	
	60 = 64 x 64	S = 65 mm	
		M = 85 mm	
		C = 105 mm	
		L = 150 mm	
		U = 180 mm	
		V = 260 mm	
80 = 80 x 80			

## FAAL-64

### Alpine beam support bracket - Aluminum

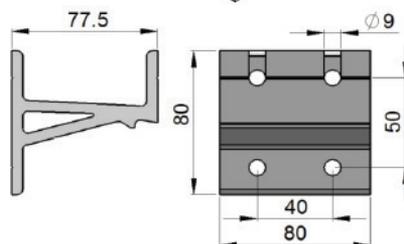
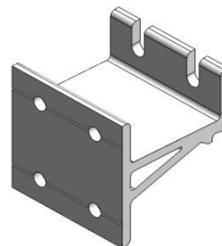
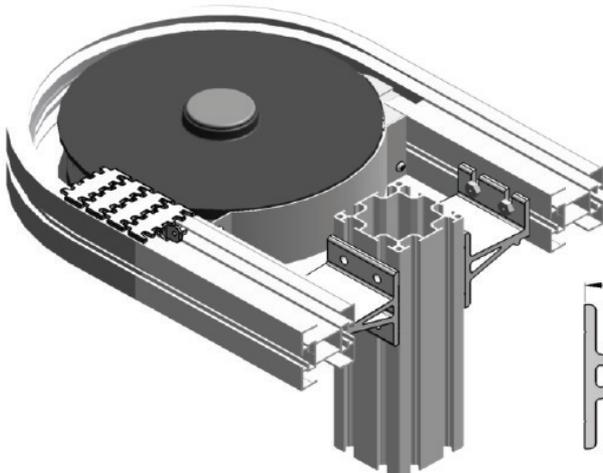


**UOM: pc**  
For support of 180° wheel bend with 64 mm vertical beam support

Mounting: FAHB-M8 x16(4), FASN-M8(4), FAFW-M8 (4)

## FAAL-80

### Alpine beam support bracket - Aluminum



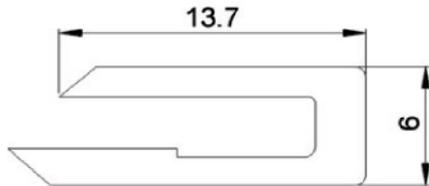
**UOM: pc**  
For support of 180° wheel bend with 80 mm vertical beam support

Mounting: FAHB-M8 x16(6), FASN-M8(6), FAFW-M8 (6)

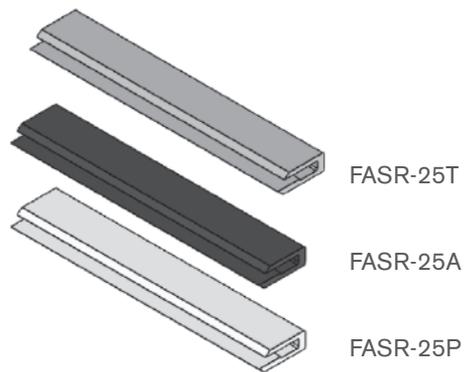
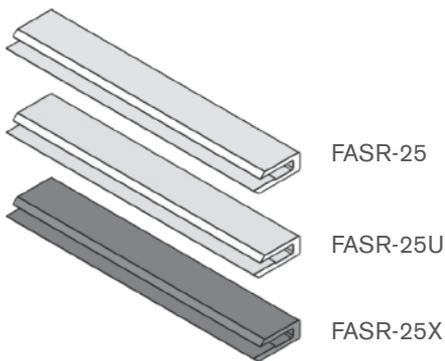
FASR-25
FASR-25U
FASR-25X
FASR-25T
FASR-25A
FASR-25P

HDPE slide rail - White  
 UHMW-PE slide rail - White  
 Special PE slide rail - Blue  
 PAPE slide rail - Grey  
 Conductive slide rail - Black  
 PVDF slide rail - White

*"Normal Application"*  
*"Low Friction, suitable for accumulation"*  
*"Lowest Friction, suitable for accumulation"*  
*"High abrasive and High load"*  
*"Static conductive"*  
*"For Abrasive application"*

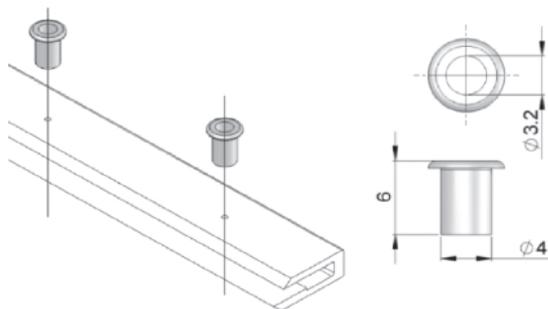


See page 220 for detail slide rail information

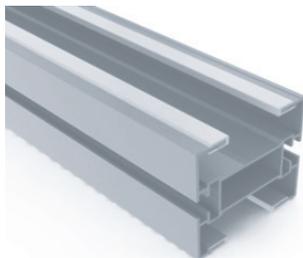


UOM: 25meter / roll

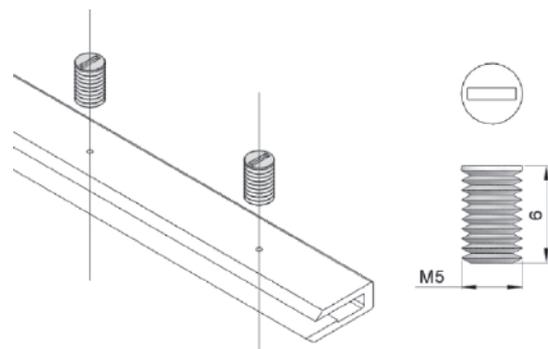
**FASLR-4x6** Aluminum rivet for slide rail



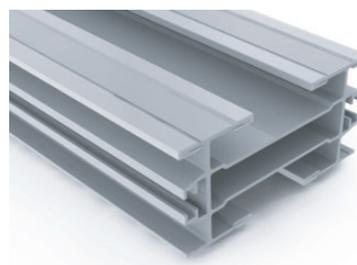
UOM: 50pcs / pk



**FASLS-M5** Nylon Set screw for slide rail

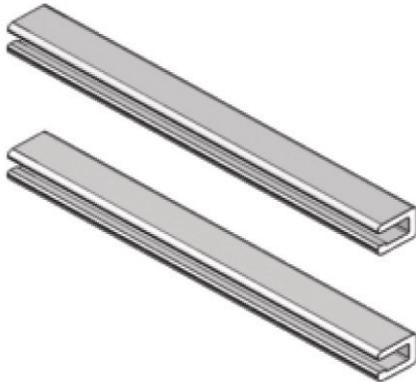


UOM: 50pcs / pk



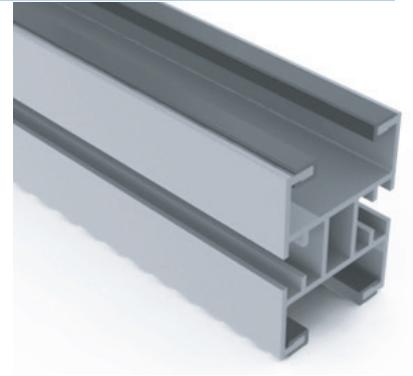
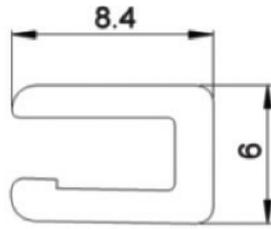
**FASR-25KU** UHMW-PE slide rail

**FASR-25K** HDPE slide rail



FASR-25KU

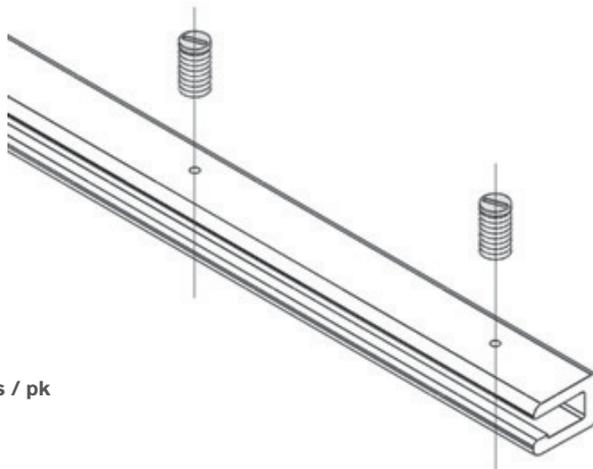
FASR-25K



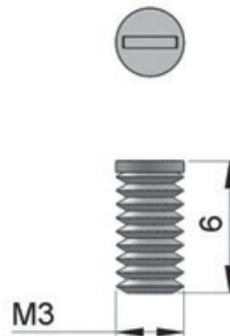
For FK Series Conveyors

UOM: 25meter / roll

**FASLS-M3** Nylon Set screw for slide rail

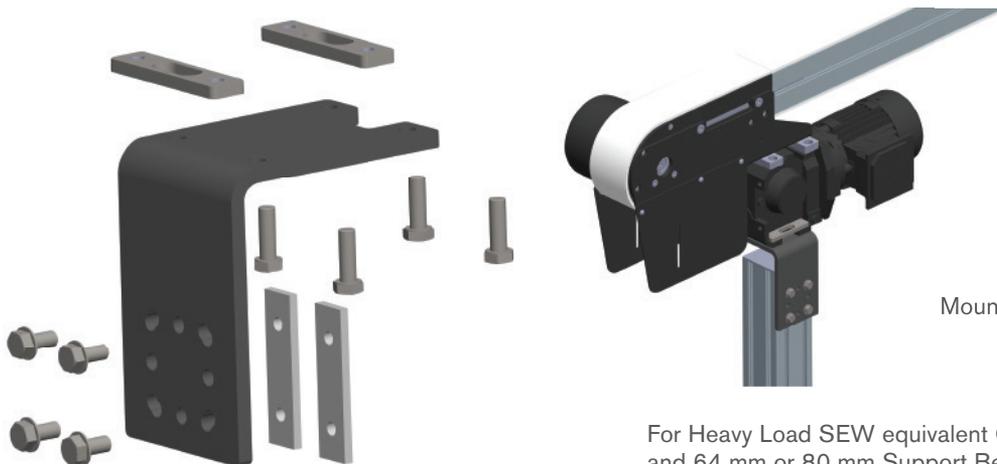


UOM: 50pcs / pk



For FK Series Conveyors

**207262** Bracket Assembly, Suspended Drive



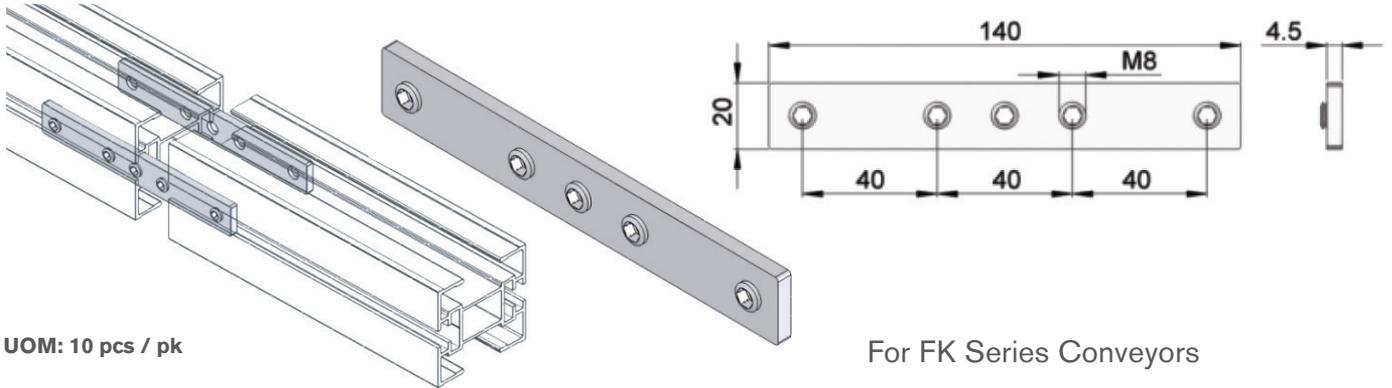
UOM: kit

Mounting: Included

For Heavy Load SEW equivalent Gearmotor and 64 mm or 80 mm Support Beams

## FACS-20x140

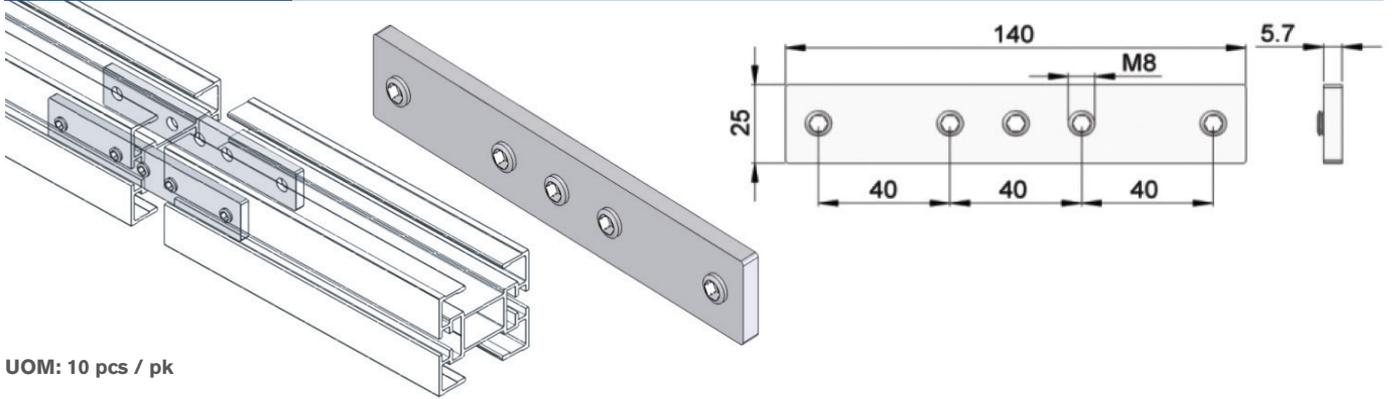
Connecting strip – Steel, electro zinc plated



UOM: 10 pcs / pk

## FACS-25x140A

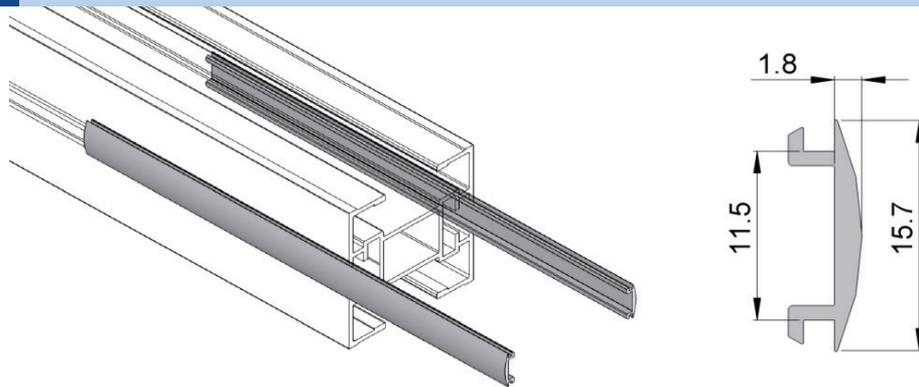
Connecting strip – Steel, electro zinc plated



UOM: 10 pcs / pk

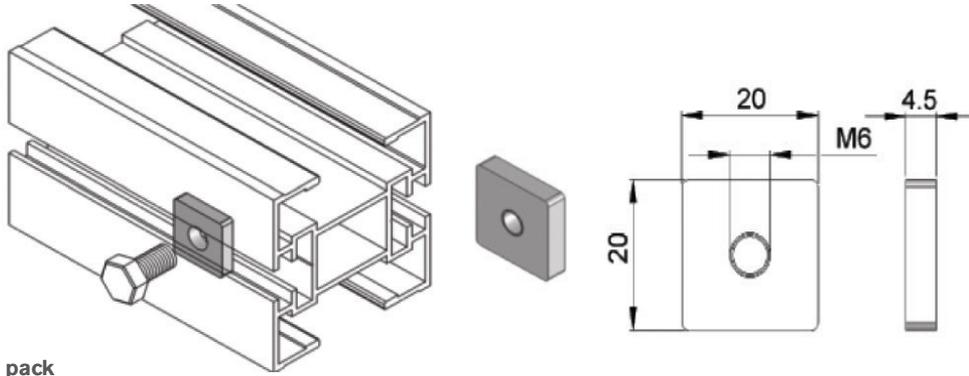
## FASC-25

T-Slot Cover – Soft PVC ( 25 meter / Roll )



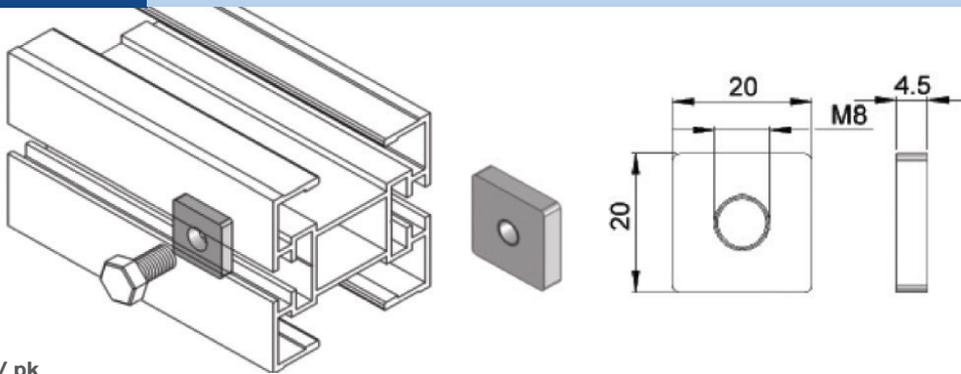
UOM: 25 meter / roll

**FASN-M6** M6 Square Nut for Outer Slot – Steel, electro zinc plated



UOM: 50 pcs / pack

**FASN-M8** M8 Square Nut for Inner Slot – Steel, electro zinc plated



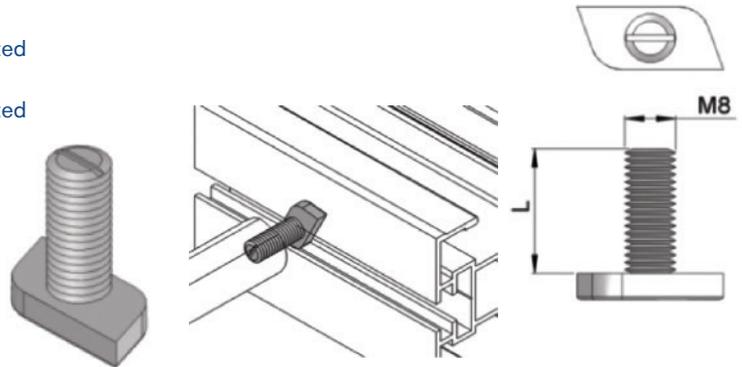
UOM: 50 pcs / pk

**FATB-20** T-bolt, L = 20 – Steel, zinc plated

**FATB-35** T-bolt, L = 35 – Steel, zinc plated

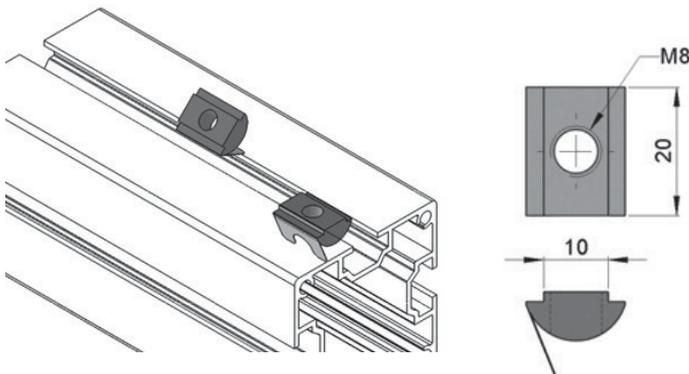
**FATB-53** T-bolt, L = 53 – Steel, zinc plated

**FATB-71** T-bolt, L = 71 – Steel, zinc plated



UOM: 50 pcs / pk

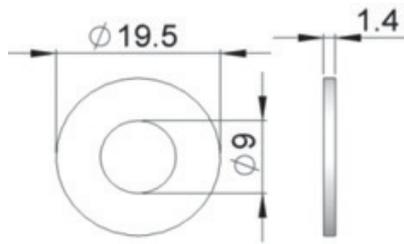
**FASL-M8** Spring Leaf Nut M8 for 40x40, 64x64, 40x80, 80x80 Support Beam - Steel, zinc plated



UOM: 50 pcs / pk

**FAFW-M8**

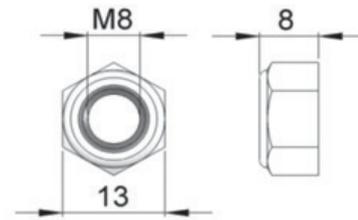
M8 Flat washer – Steel, zinc plated



UOM: 50 pcs / pk

**FALN-M8**

M8 Lock Nut – Steel, zinc plated



UOM: 50 pcs / pk

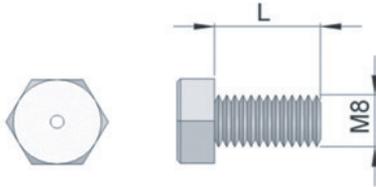
**FAHB-M8 x 16**

Hex Bolt, M8 – Steel, zinc plated

**FAHB-M8 x 20**

Hex bolt, L = 16 – Steel, zinc plated

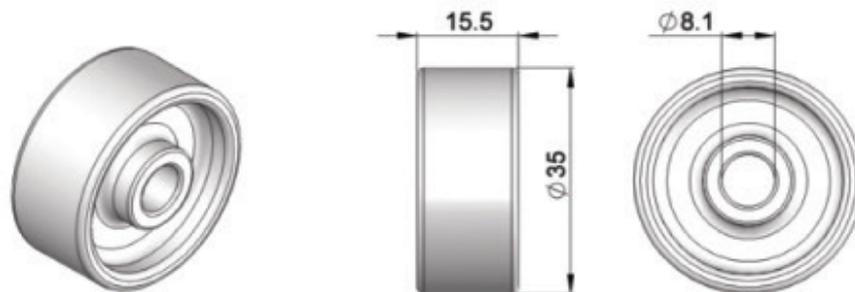
Hex bolt, L = 20 – Steel, zinc plated



UOM: 50 pcs / pk

**FAFR-35**

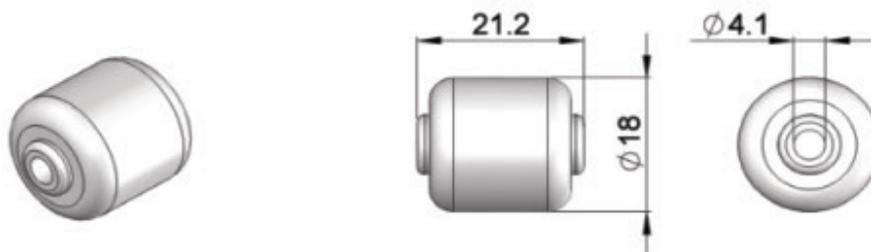
Free roller – POM



UOM: 10 pcs / pk

**FAFR-18**

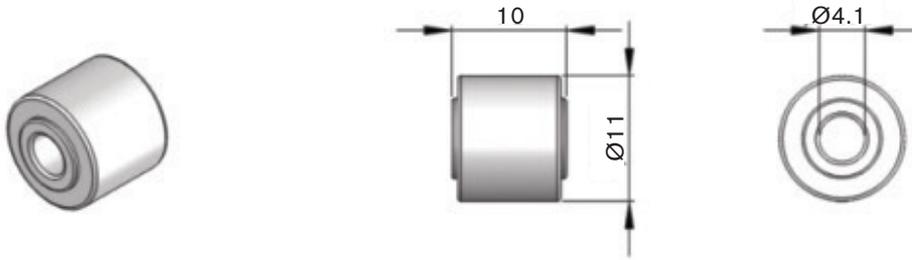
Free roller – POM



UOM: 10 pcs / pk

**FAFR-11**

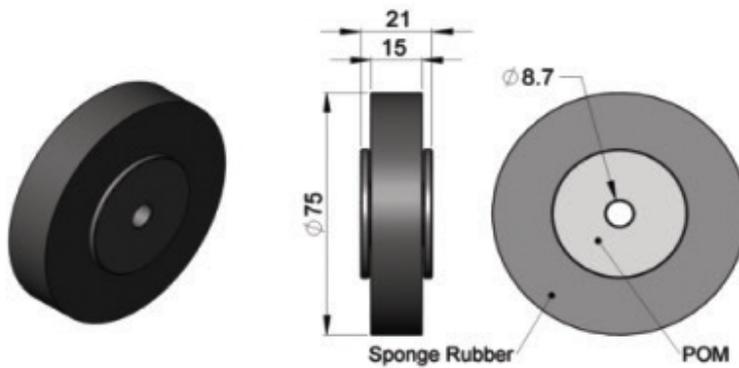
Free roller - POM



UOM: 10 pcs / pk

**FASR-75x15**

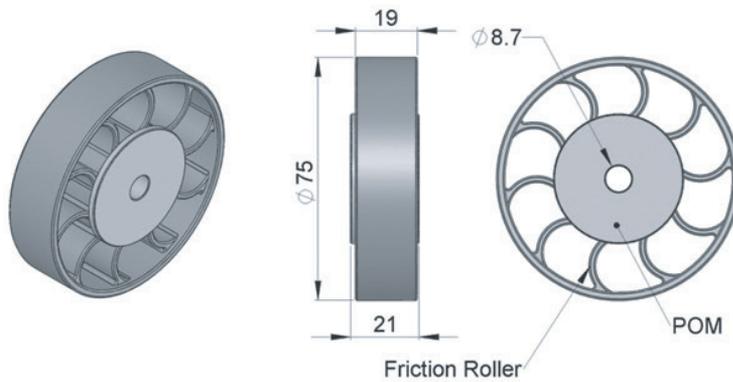
Sponge roller, Sponge rubber



UOM: 10 pcs / pk

**FASR-75x19P**

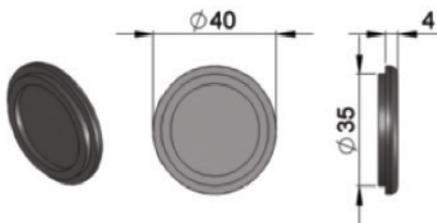
PVC Roller c/w POM core & Screw



UOM: 10 pcs / pk

**FAEC-DS**

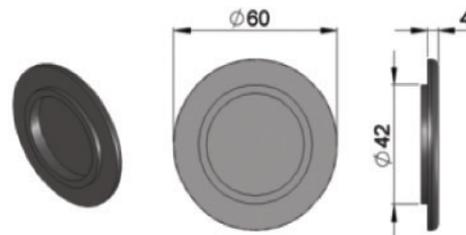
End cap for drive shaft - Polyamide



UOM: 10 pcs / pk

**FAEC-WH**

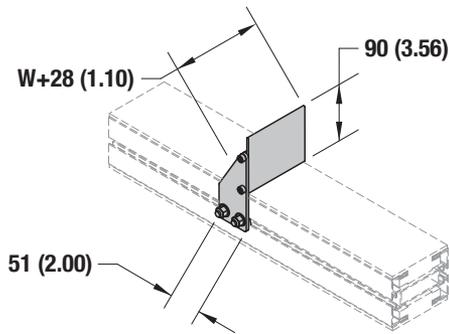
End cap for wheel - Polyamide



UOM: 10 pcs / pk

203395-WWW

WWW = Conveyor Width: 065, 085, 105, 150

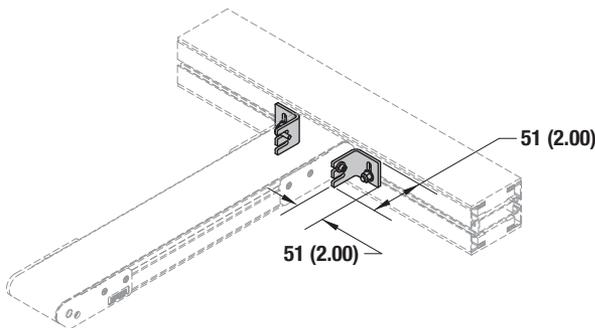


## Adjustable Stop

- Product End stop at any location on conveyor rail
- For accumulating product
- Not compatible with Friction Insert Chain

Available in North America only.

203399



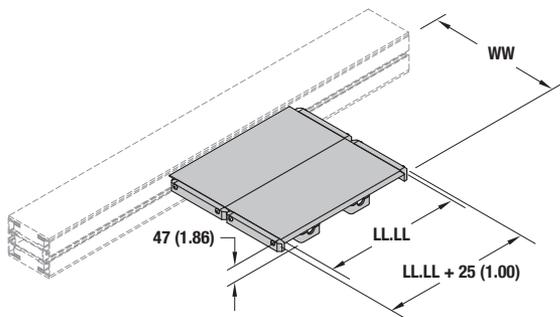
## Conveyor 90° Transfer Bracket

- Provides mounting bracket and transfer plate for 90° product transfers
- Provides solid conveyor alignment for trouble free transfers
- Compatible with all widths of FlexMove conveyors

Available in North America only.

FACS-25x160

Connecting strip – Steel, electro zinc plated



## Side Tables

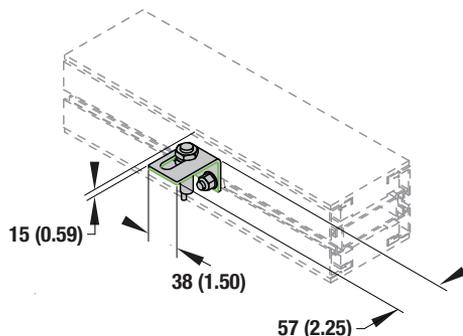
- Provides a 152 mm (6 in) or 305 mm (12 in) wide working surface
- Adjusts in/out and up/down for product transfer on/off conveyor belts
- Can be positioned anywhere along the conveyor
- Anodized aluminum work surface
- Max load: 6 kg/m (5 lbs/ft), use Adjustable Tie Brackets for added capacity
- Available in 305 mm (1 ft) increments from 305 mm (1 ft) to 30,175 mm (99 ft)

Available in North America only.

### Side Tables

27 MSF	N	-	WW	LLLL
			Table Length in LLLL Feet (ex. 0250 = 2.5 feet)	
			Table Width: 06 = 6" 12 = 12"	
			Number of Sides: 1 = one side 2 = both sides	

204398



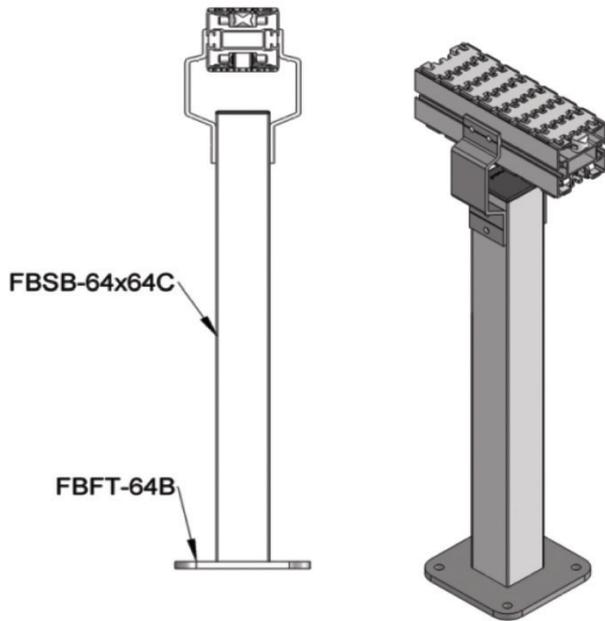
## Pallet Sensor Bracket

- Provides mounting bracket for proximity sensor of pallet
- Compatible with 12 mm diameter proximity sensors
- Proximity sensor faces upward
- Adjustable, mounts along conveyor T-slot
- Top of bracket to pallet locating block: 28 mm (1.09 in)

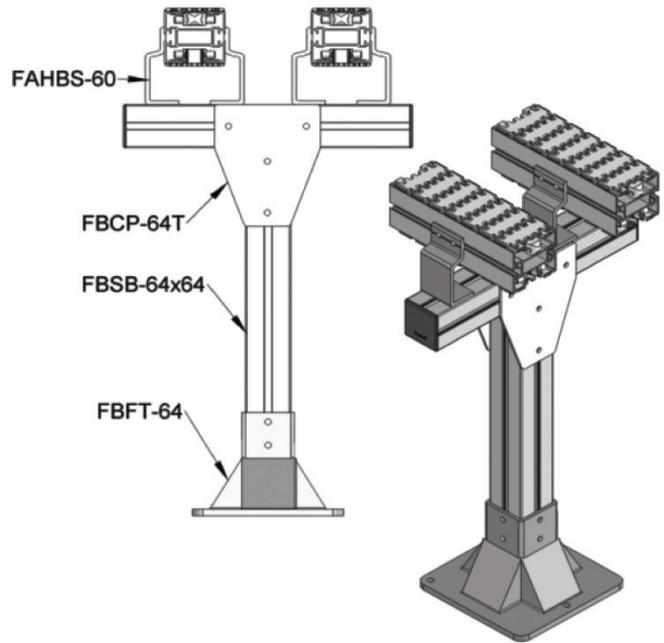
Available in North America only.

Note: Due to the wide variety of conveyor set ups and applications, point of installation guarding is the responsibility of the end user. Note: Dimensions = mm (in)

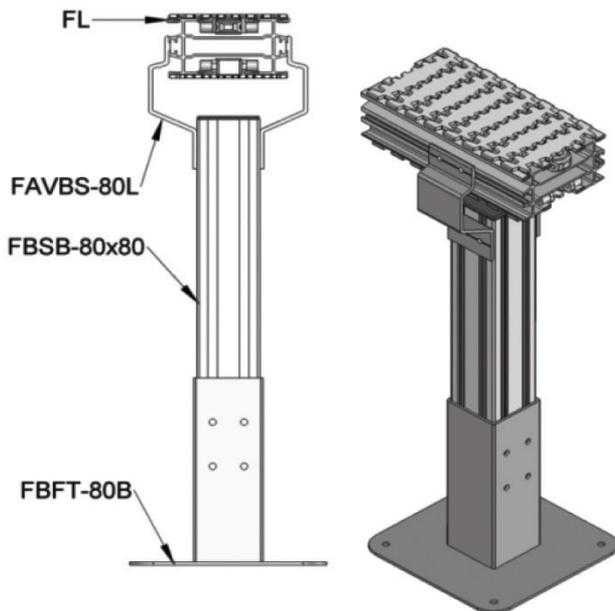
Single Support Structure with enclosure beam  
FK, FS, FM, FC



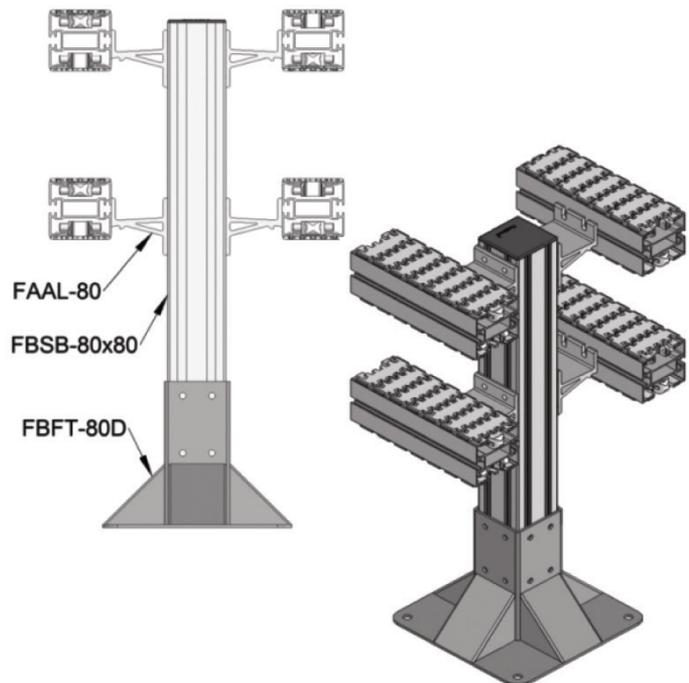
Double Lane Support Structure  
FK, FS, FM, FC, FL



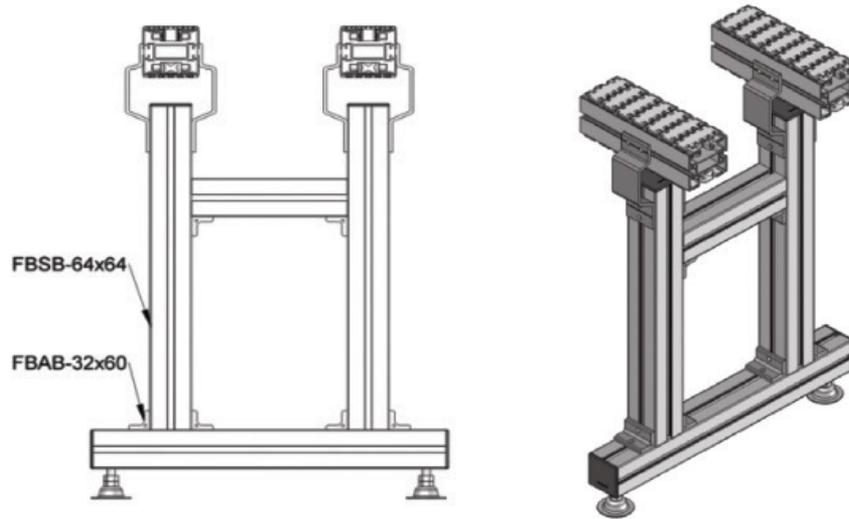
Single Support Structure  
FL



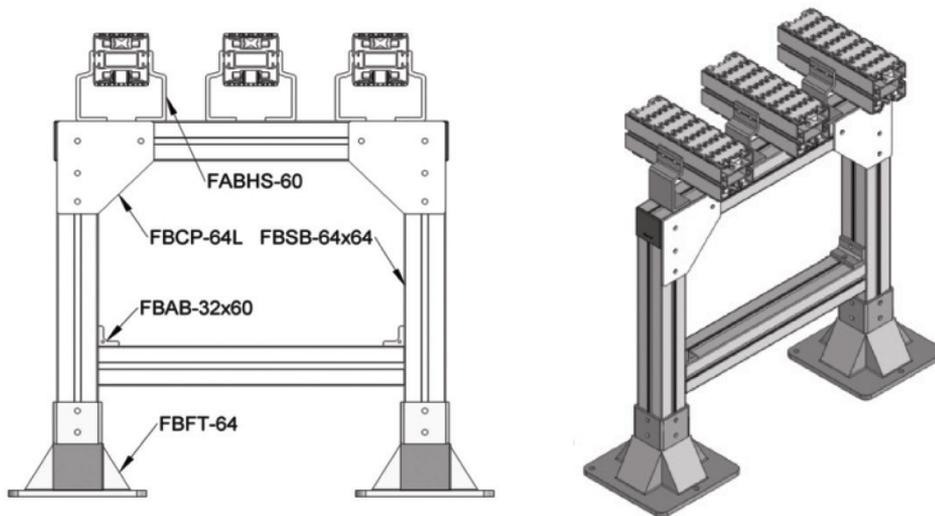
Alpine Support Structure  
FK, FS, FM, FC, FL



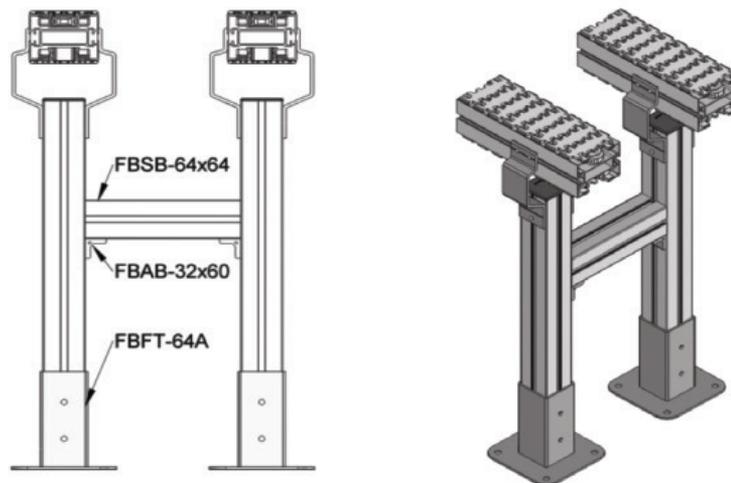
Double Support Structure **FK, FS, FM, FC**



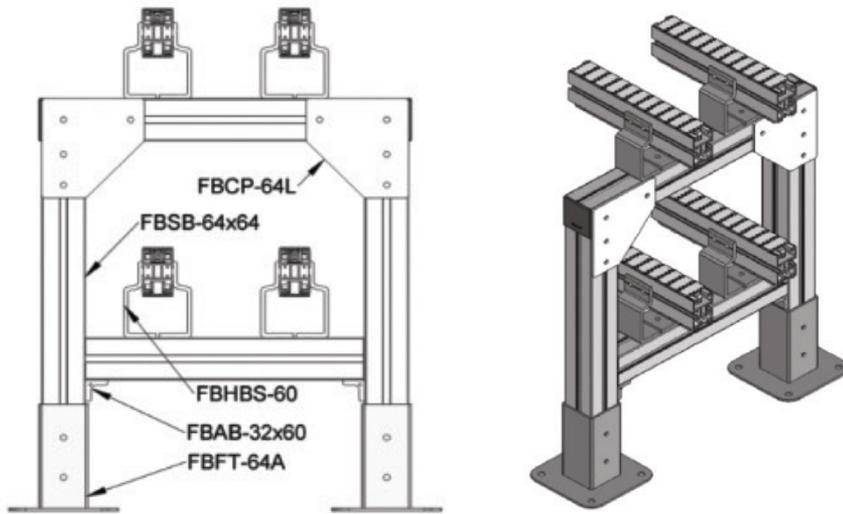
Multi Lane Support Structure **FK, FS, FM, FC, FL**



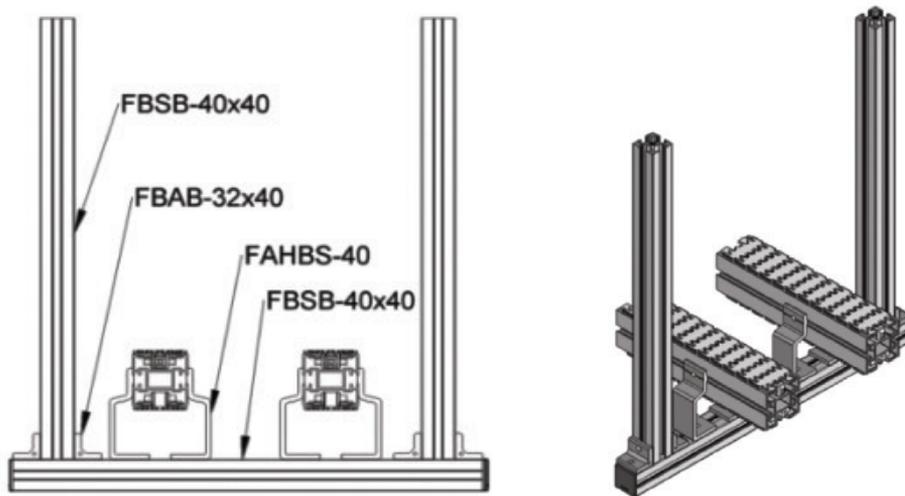
Double Support Structure **FK, FS, FM, FC**



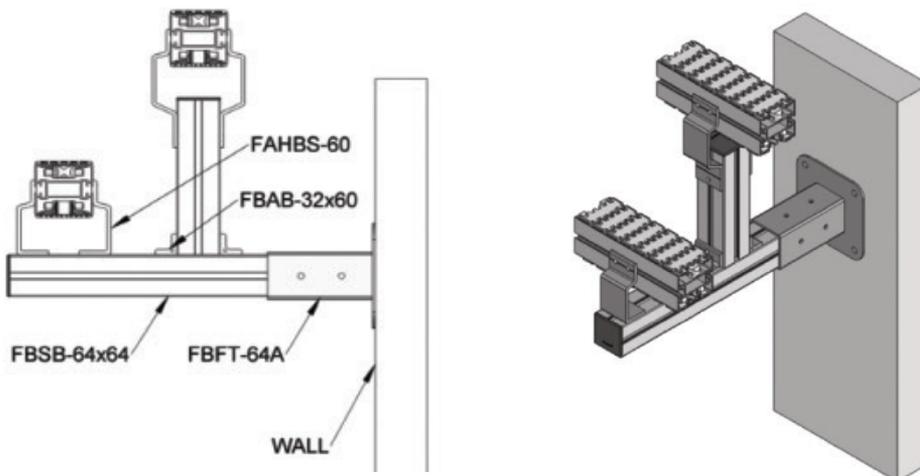
Multi Lane Double Layer Support Structure **FK, FS, FM, FC, FL**



Ceiling Hanger Support Structure **FK, FS, FM, FC, FL**

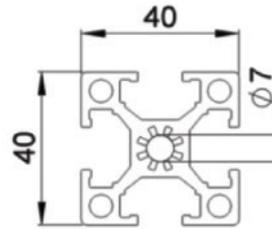
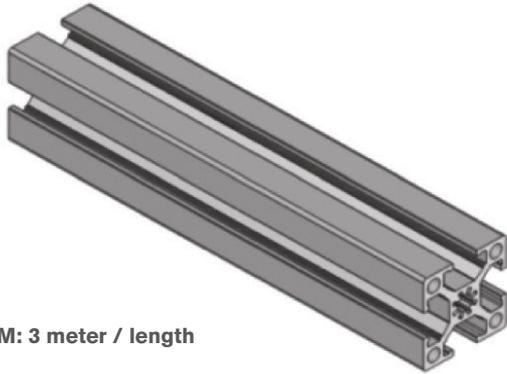


Wall Mount Support Structure **FK, FS, FM, FC**



## FBSB-40x40

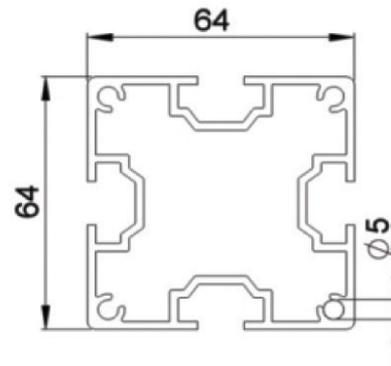
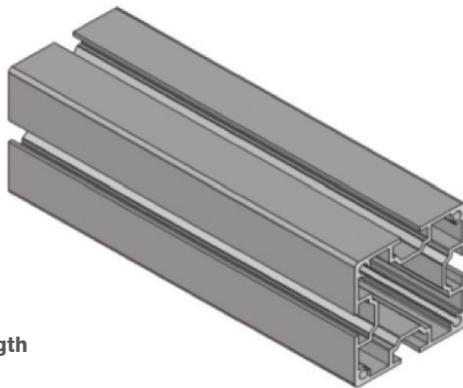
Support Beam 40x40 – Aluminum Anodized



UOM: 3 meter / length

## FBSB-64x64

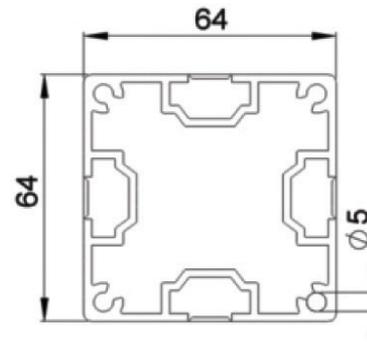
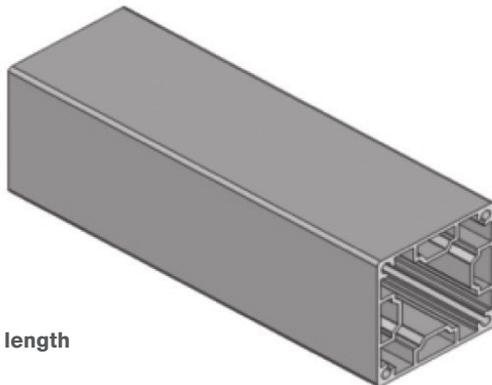
Support Beam 64x64 – Aluminum Anodized



UOM: 3 meter / length

## FBSB-64x64C

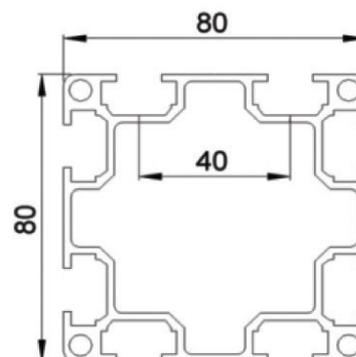
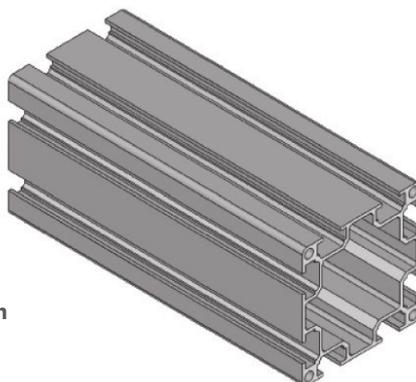
Close slot Support Beam – Aluminum Anodized



UOM: 3 meter / length

## FBSB-80x80

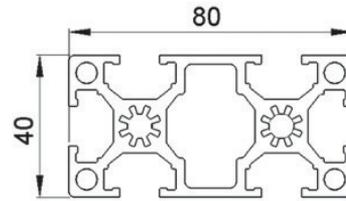
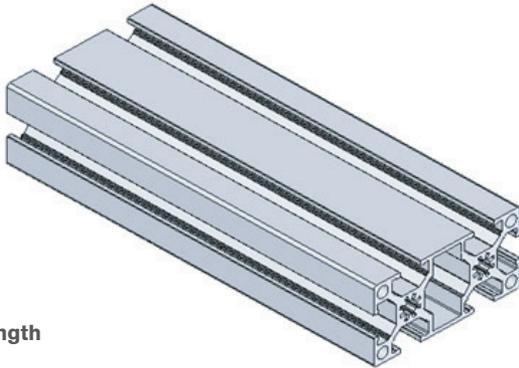
Support Beam 80x80 – Aluminum Anodized



UOM: 3 meter / length

**FBSB-40x80**

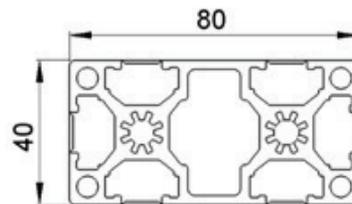
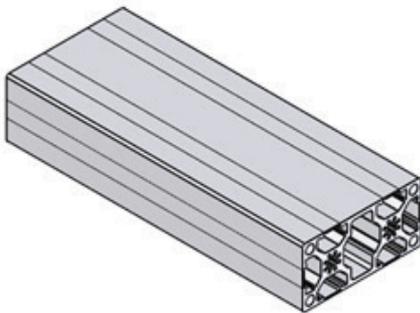
Support Beam – Aluminum Anodized



UOM: 3 meter / length

**FBSB-40x80C**

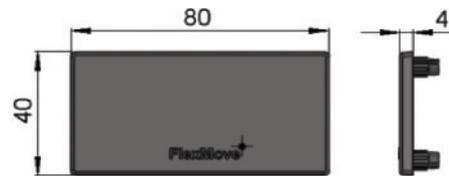
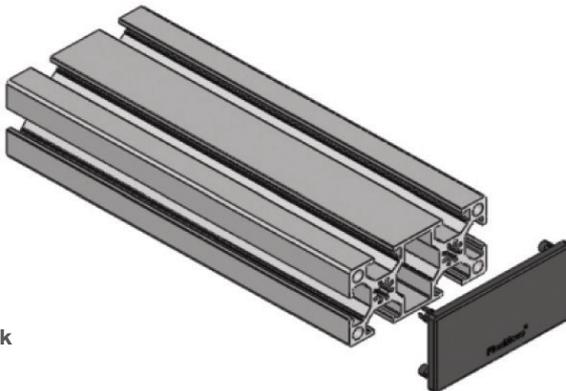
Close Slot Support Beam - Aluminum Anodized



UOM: 3 meter / length

**FBEC-40x80**

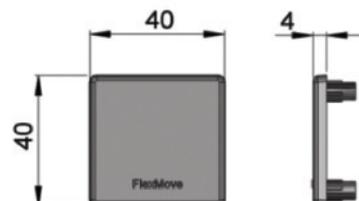
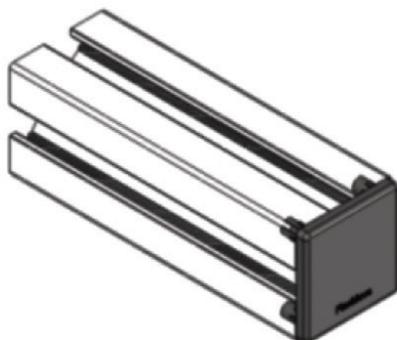
End Cap. 40x80 mm Support Beam - Polyamide



UOM: 10 pcs / pk

**FBEC-40**

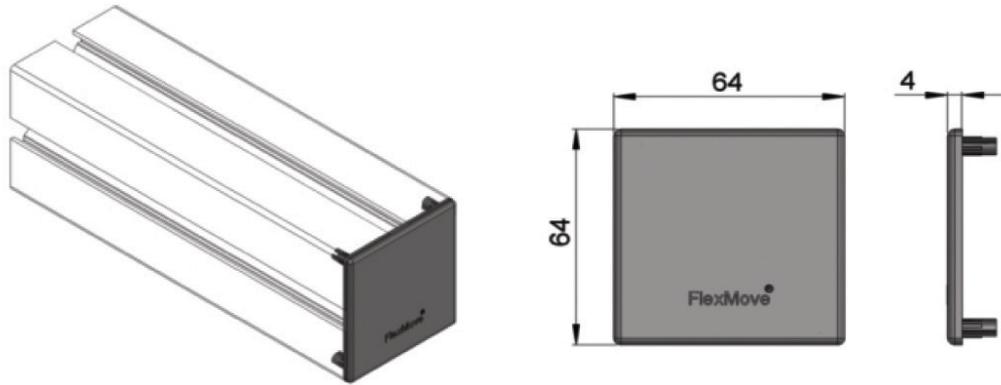
End Cap , 40x40 mm Support Beam - Polyamide



UOM: 10 pcs / pk

**FBEC-64**

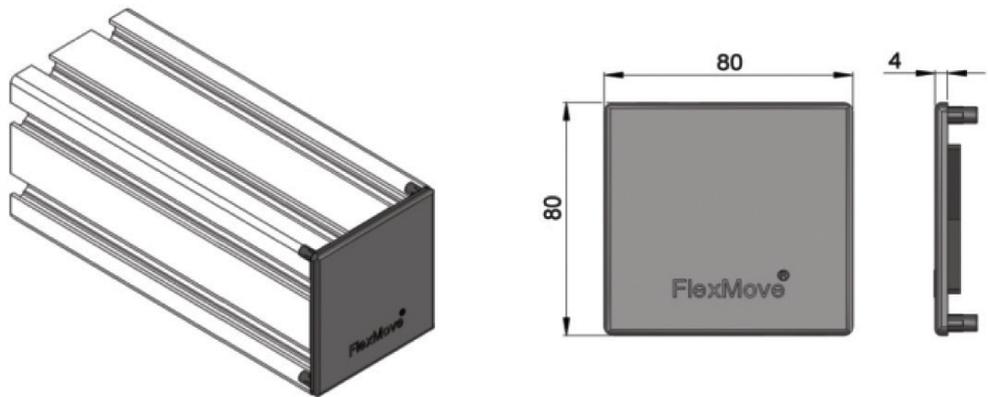
End cap , 64x64mm Support Beam - Polyamide



UOM: 10 pcs / pk

**FBEC-80**

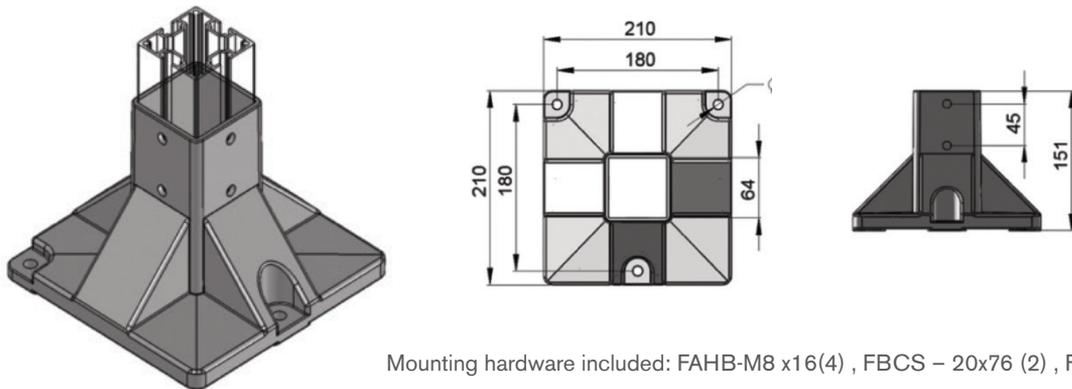
End cap , 80x80 mm Support Beam - Polyamide



UOM: 10 pcs / pk

**FBFT-64**

Foot For Support Beam 64x64 – Aluminum Die Cast

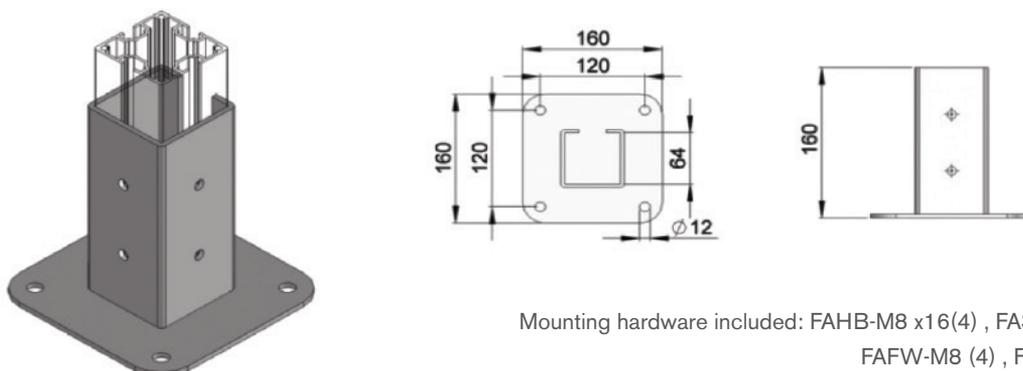


UOM: pc

Mounting hardware included: FAHB-M8 x16(4) , FBCS – 20x76 (2) , FAFW-M8 (4)

**FBFT-64A**

Foot For Support Beam 64x64 – Steel, Powder Coating

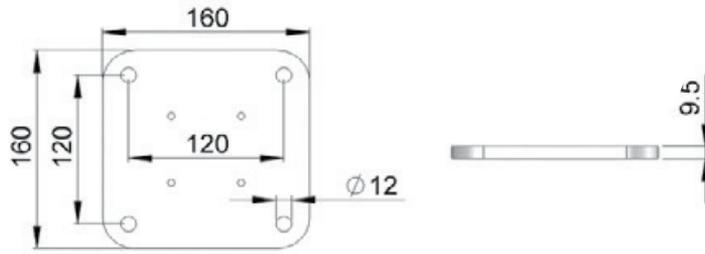
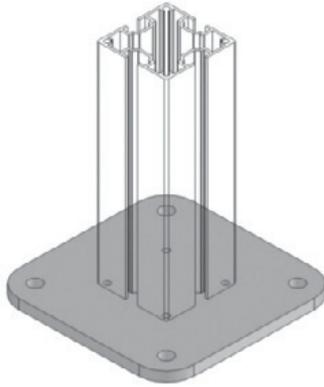


UOM: pc

Mounting hardware included: FAHB-M8 x16(4) , FASN – M8 (4) , FAFW-M8 (4) , FAWP-M10(4)

**FBFT-64B**

Foot For Support Beam 64x64 – Aluminum

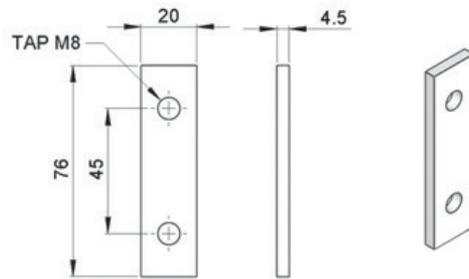
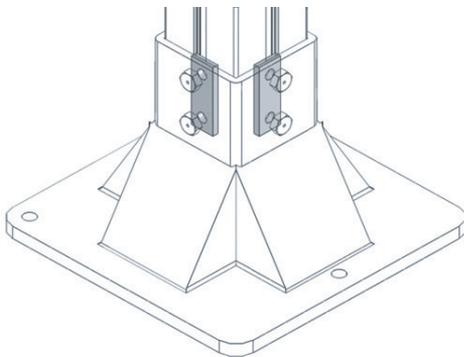


UOM: pc

Mounting: FACS-M6 x 20 (4) , FAWP-M10 (4)

**FBCS-20x76**

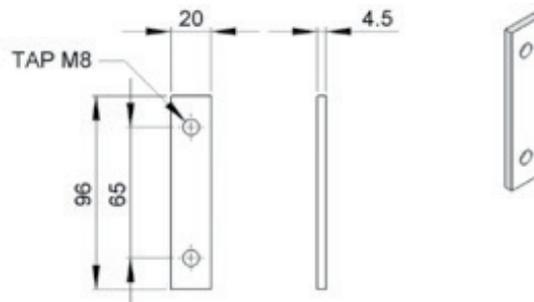
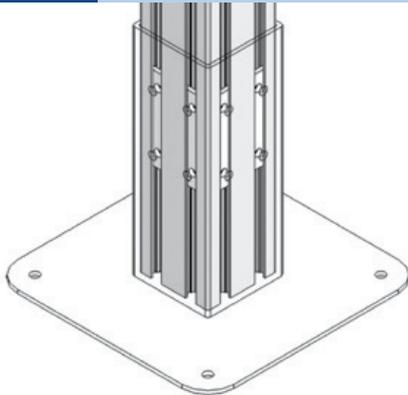
Connecting Strip For Foot – Steel, Electro Zinc Plated



UOM: 10pcs / pk

**FBCS-20x96**

Connecting Strip For Foot 80x80 mm– Steel, Electro Zinc Plated

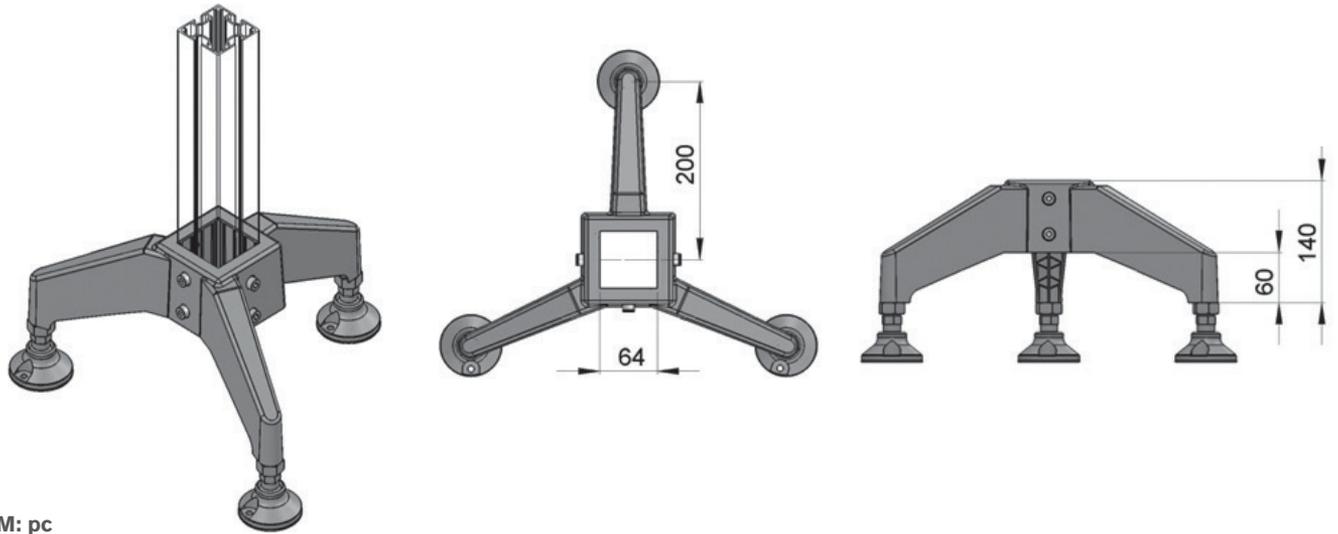


UOM: pc

## FBFT-64TP

Tripod Foot For FBSB-64x64 - Polyamide , Glass Fiber reinforced

Plastic Pad, screws and clamps included

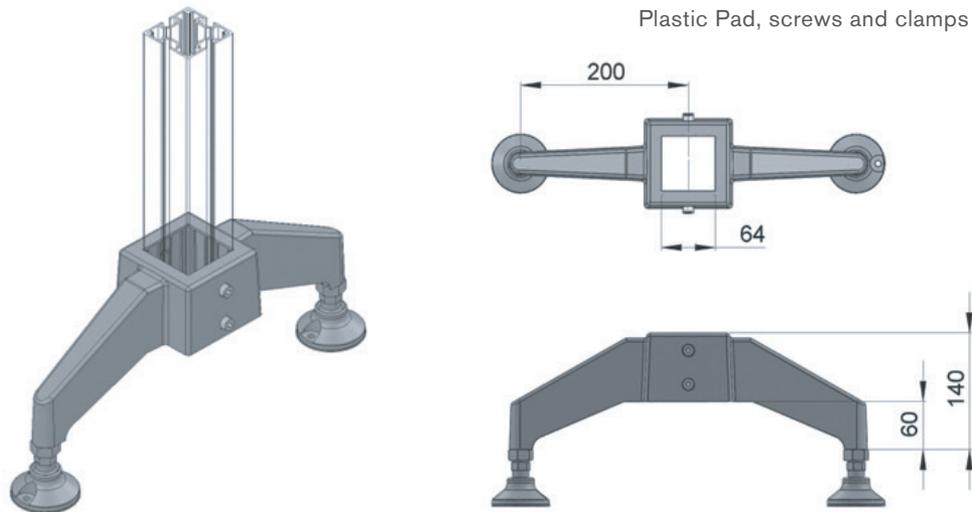


UOM: pc

## FBFT-64BP

Bipod Foot For FBSB-64x64 - Polyamide , Glass Fiber reinforced

Plastic Pad, screws and clamps included

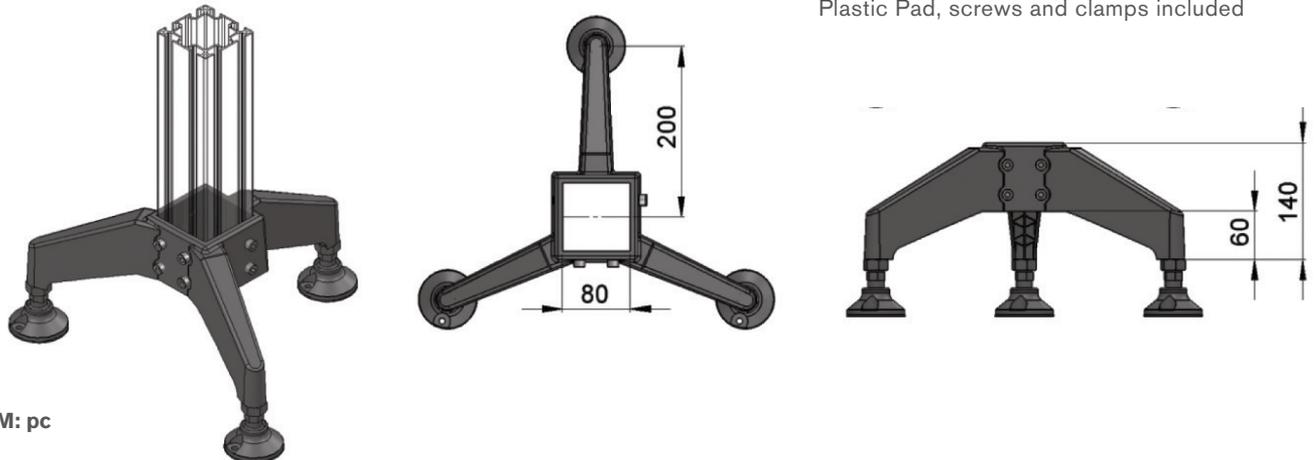


UOM: pc

## FBFT-80TP

Tripod Foot For FBSB-80x80 - Polyamide, Glass Fiber reinforced

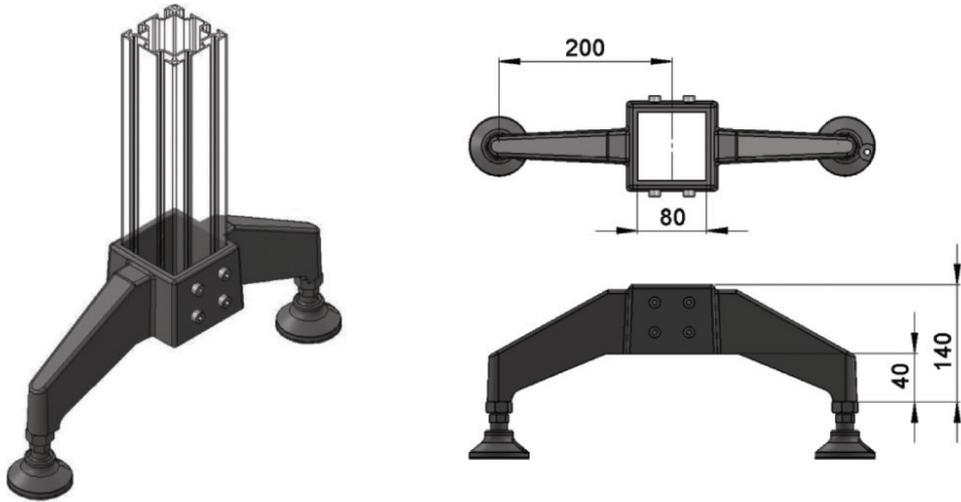
Plastic Pad, screws and clamps included



UOM: pc

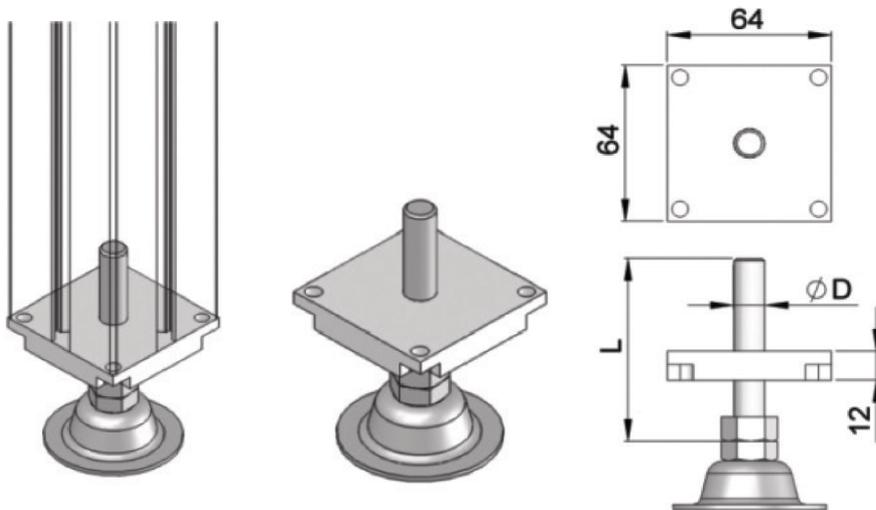
**FBFT-80BP** Bipod Foot For FBSB-80x80 - Polyamide , Glass Fiber reinforced

Plastic Pad, screws and clamps included



UOM: pc

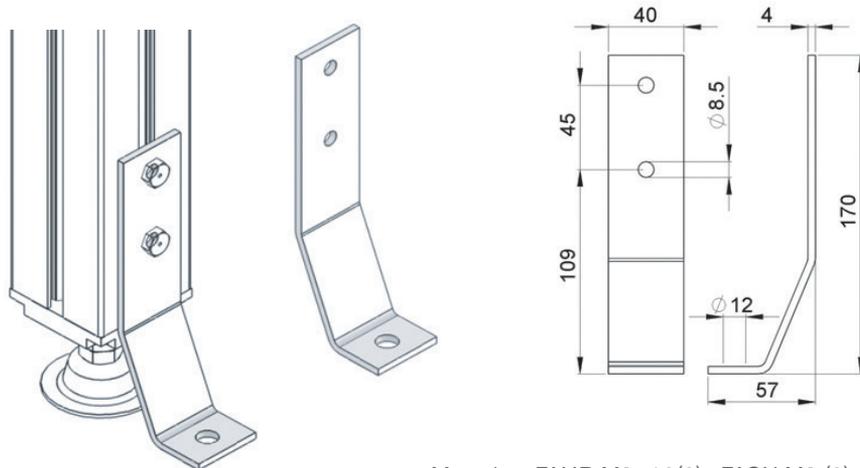
<b>FBFT-64xM8</b>	End Plate for Support Beam 64x64- Aluminum & Adjustable stand - D=M8, L=50 – Zinc Plated
<b>FBFT-64xM10</b>	End Plate for Support Beam 64x64- Aluminum & Adjustable stand - D=M10, L=75 – Zinc Plated
<b>FBFT-64xM12</b>	End Plate for Support Beam 64x64- Aluminum & Adjustable stand - D=M12, L=75 – Zinc Plated
<b>FBFT-64xM8S</b>	End Plate for Support Beam 64x64- Aluminum & Adjustable stand - D=M8, L=50 – Stainless Steel
<b>FBFT-64xM10S</b>	End Plate for Support Beam 64x64- Aluminum & Adjustable stand - D=M10, L=75 – Stainless Steel
<b>FBFT-64xM12S</b>	End Plate for Support Beam 64x64- Aluminum & Adjustable stand - D=M12, L=75 – Stainless Steel



UOM: pc

**FBFT-170** Floor Attachment Bracket – Steel, Zinc Plated

**FBFT-170S** Floor Attachment Bracket – Stainless Steel

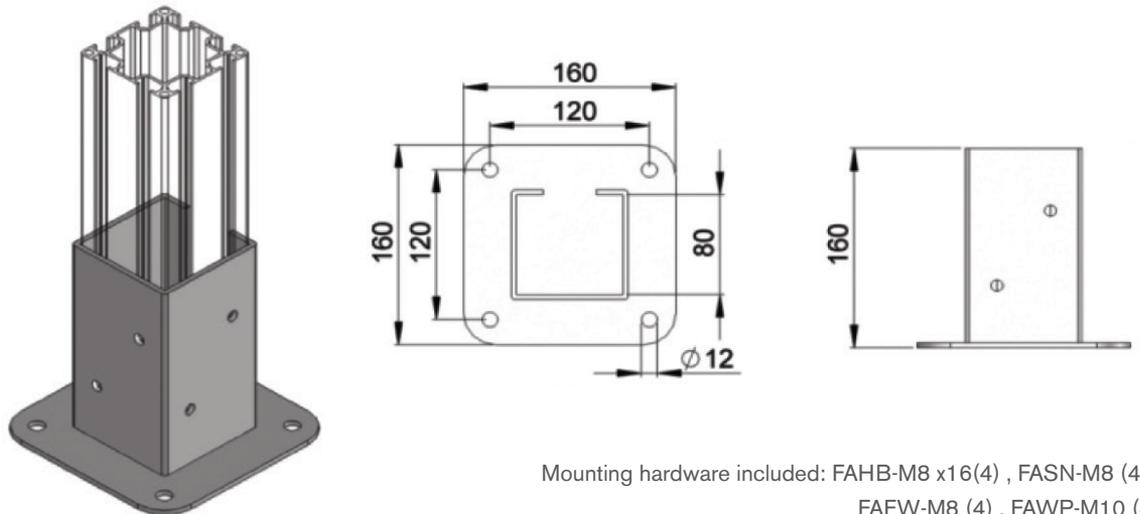


**UOM:** pc

Mounting: FAHB-M8 x16(2) , FASN-M8 (2) , FAFW-M8 (3) , FAWP-M10 (1)

Foot For Support Beam 80x80 – Steel, Powder Coating

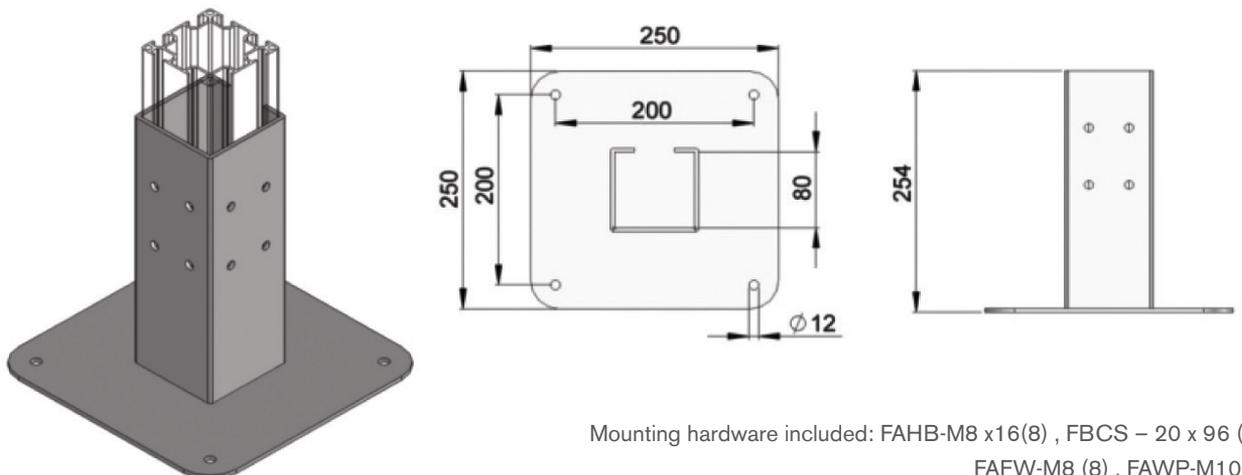
**FBFT-80A** Foot For Support Beam 80x80 – Steel, Powder Coating



**UOM:** pc

Mounting hardware included: FAHB-M8 x16(4) , FASN-M8 (4) , FAFW-M8 (4) , FAWP-M10 (4)

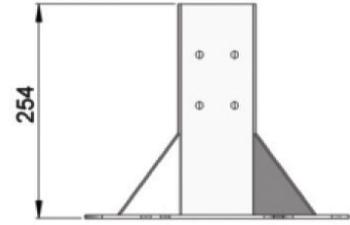
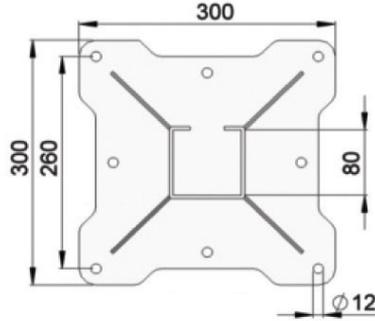
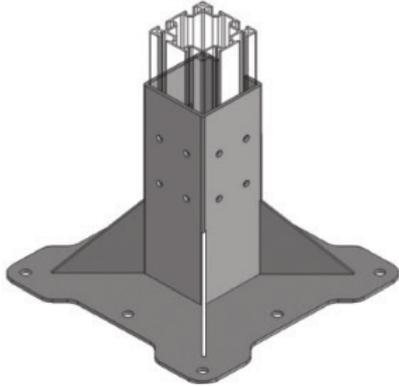
**FBFT-80B** Foot For Support Beam 80x80 – Steel, Powder Coating



**UOM:** pc

Mounting hardware included: FAHB-M8 x16(8) , FBGS – 20 x 96 (4), FAFW-M8 (8) , FAWP-M10(4)

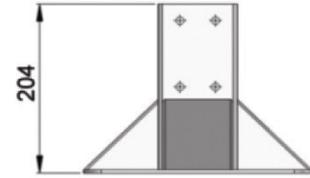
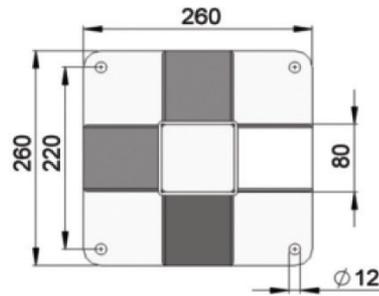
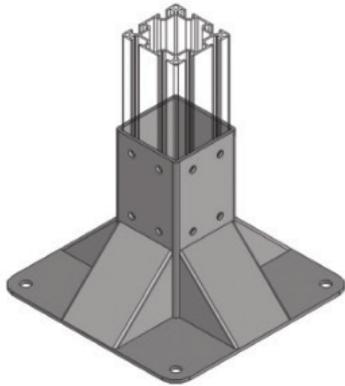
**FBFT-80C** Foot For Support Beam 80x80 – Steel, Powder coating



UOM: pc

Mounting: FAHB-M8 x16(8) , FBCS – 20 x 96 (4) , FAFW-M8 (8) , FAWP-M10 (4)

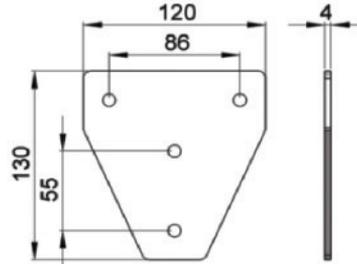
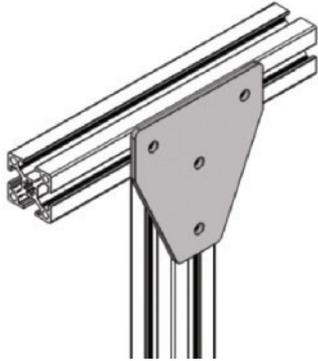
**FBFT-80D** Foot For Support Beam 80x80 – Steel, Powder Coating



UOM: pc

Mounting: FAHB-M8 x16(8) , FBCS – 20 x 96 (4) , FAFW-M8 (8) , FAWP-M10 (4)

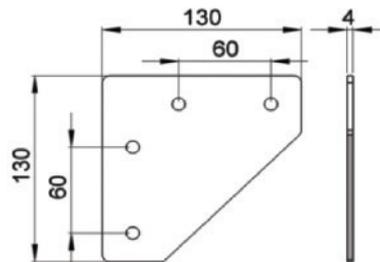
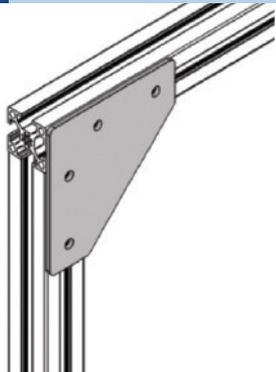
**FBCP-40T** T Connecting Plate for Support Beam 40x40- Steel, Zinc Plated



UOM: pc

Mounting: FAHB-M8 x16(4) , FASN-M8 (4) , FAFW-M8 (4)

**FBCP-40L** L Connecting Plate for Support Beam 40x40- Steel, Zinc Plated

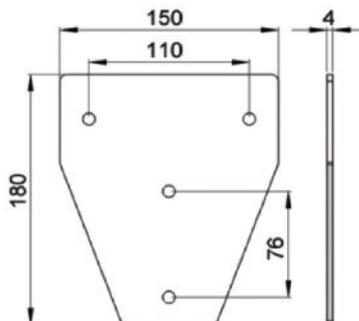
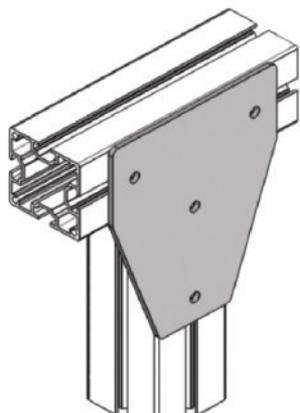


UOM: pc

Mounting: FAHB-M8 x16(4) , FASN-M8 (4) , FAFW-M8 (4)

## FBCP-64T

T connecting Plate for Support Beam 64x64 – Steel, Zinc Plated

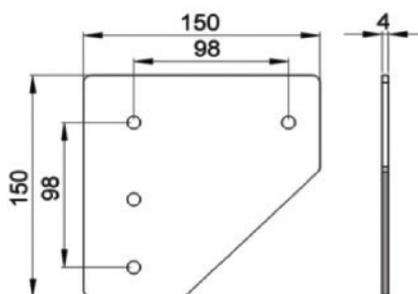
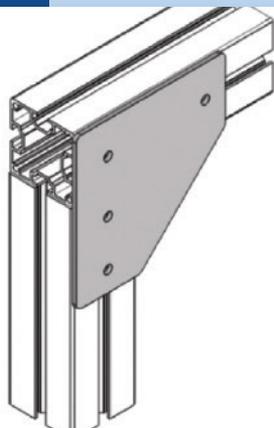


UOM: pc

Mounting: FAHB-M8 x16(4) , FASN-M8 (4) , FAFW-M8 (4)

## FBCP-64L

L Connecting Plate for Support Beam 64x64- Steel, Zinc Plated

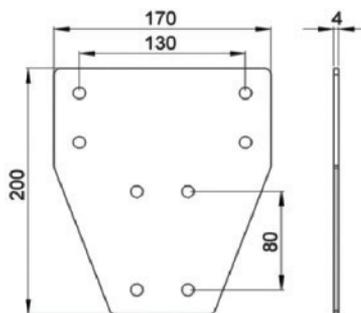
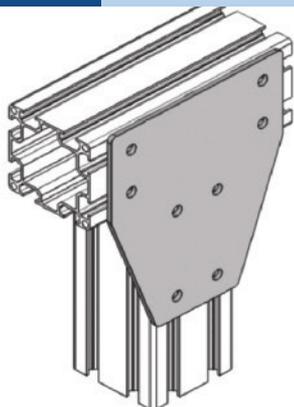


UOM: pc

Mounting: FAHB-M8 x16(4) , FASN-M8 (4) , FAFW-M8 (4)

## FBCP-80T

T connecting Plate for Support Beam 80x80 – Steel, Zinc Plated

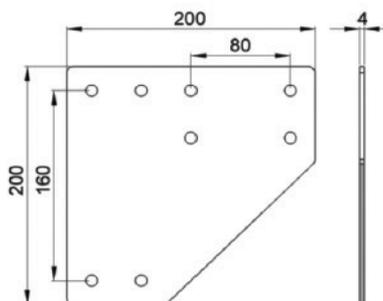
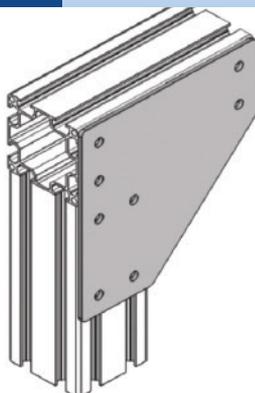


UOM: pc

Mounting: FAHB-M8 x16(8) , FASN-M8 (8) , FAFW-M8 (8)

## FBCP-80L

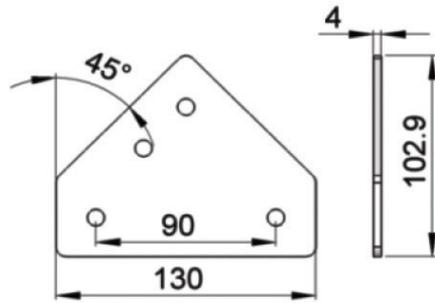
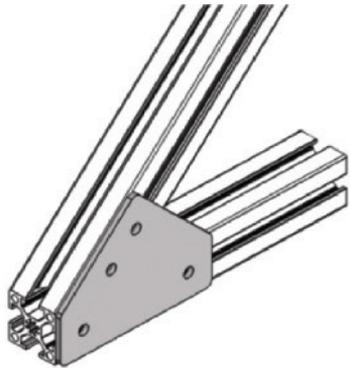
L Connecting Plate for Support Beam 80x80- Steel, Zinc Plated



UOM: pc

Mounting: FAHB-M8 x16(8) , FASN-M8 (8) , FAFW-M8 (8)

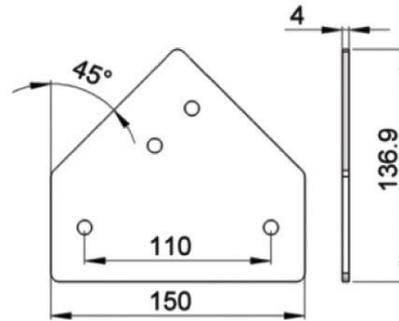
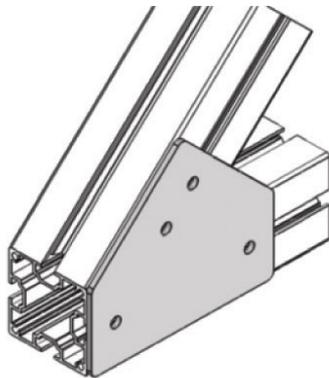
**FBCP-40V** 45 ° connecting Plate for Support Beam 40x40 – Steel, Zinc Plated



UOM: pc

Mounting: FAHB-M8 x16(4) , FASN-M8 (4) , FAFW-M8 (4)

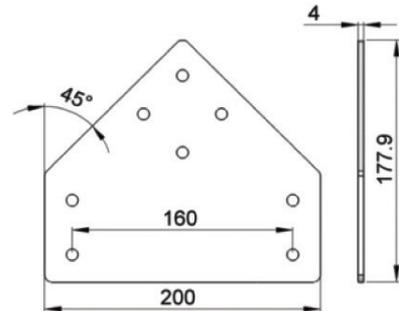
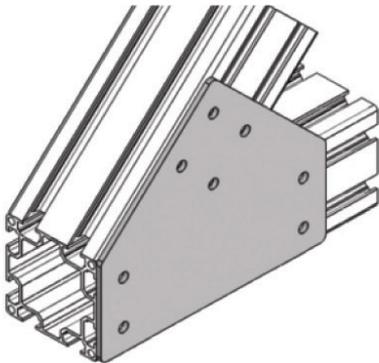
**FBCP-64V** 45 ° connecting Plate for Support Beam 64x64 – Steel, Zinc Plated



UOM: pc

Mounting: FAHB-M8 x16(4) , FASN-M8 (4) , FAFW-M8 (4)

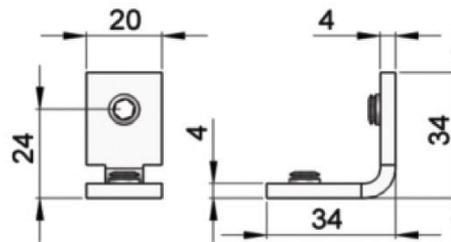
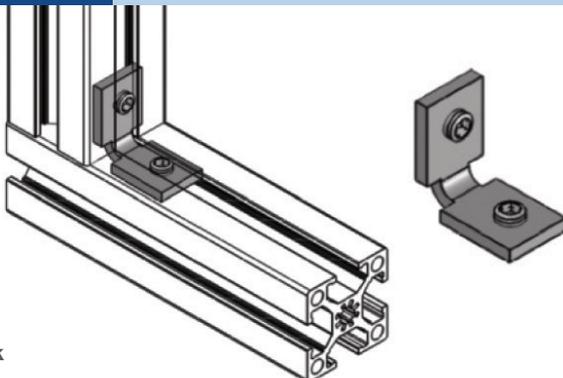
**FBCP-80V** 45 ° connecting Plate for Support Beam 80x80 – Steel, Zinc Plated



UOM: pc

Mounting: FAHB-M8 x16(8) , FASN-M8 (8) , FAFW-M8 (8)

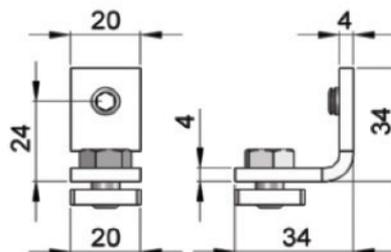
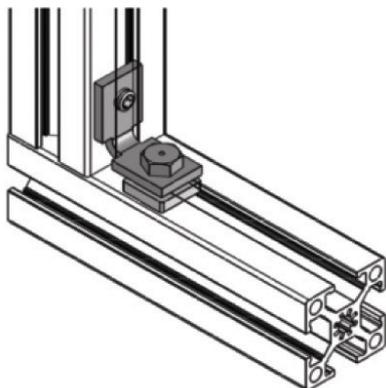
**FBRX-20A** 90° Inner Joint Strip – Steel, Zinc Plated



UOM: 10 pcs / pk

## FBRX-20B

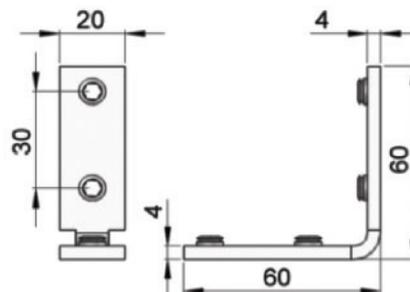
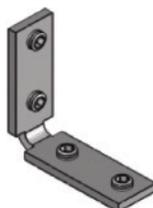
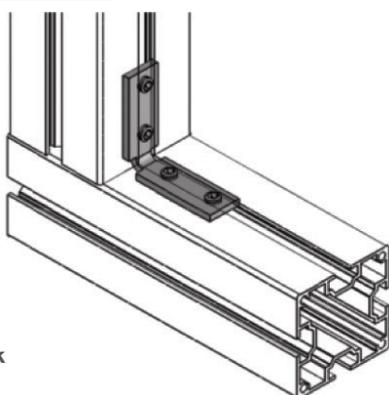
90° Outer Joint Strip – Steel, Zinc Plated



UOM: 10 pcs / pk

## FBRX-20C

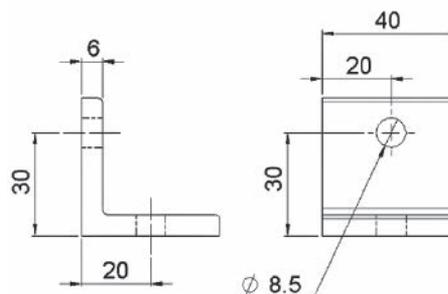
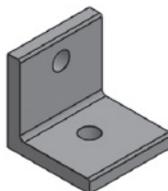
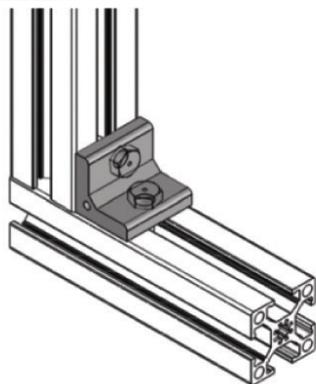
90° Inner Joint Strip – Steel, Zinc Plated



UOM: 10 pcs / pk

## FBAB-40x40

Angle Bracket for Support Beam 40x40 - Aluminum

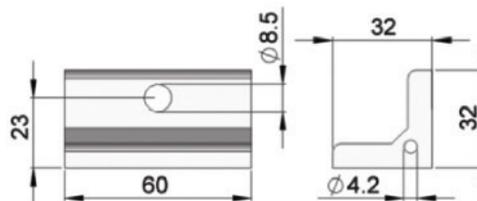
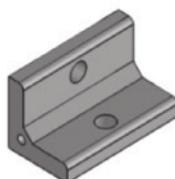
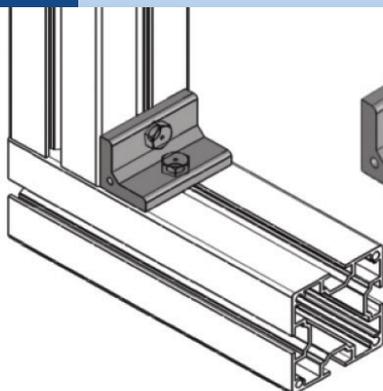


UOM: pc

Mounting: FAHB-M8 x20(2) , FASN-M8 (2) , FAFW-M8 (2)

## FBAB-32x60

Angle Bracket for Support Beam 64x64 - Aluminum

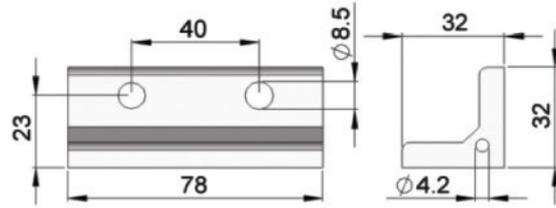
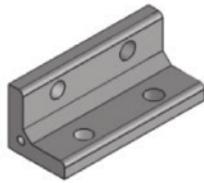
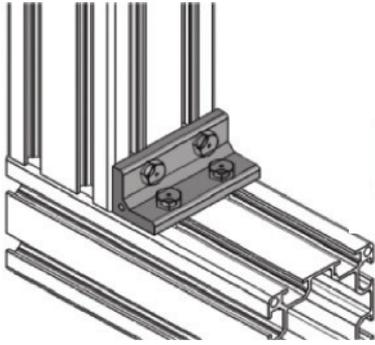


UOM: pc

Mounting: FAHB-M8 x20 (2) , FASN-M8 (2) , FAFW-M8 (2)

## FBAB-32x80

Angle Bracket for Support Beam 80x80 - Aluminum

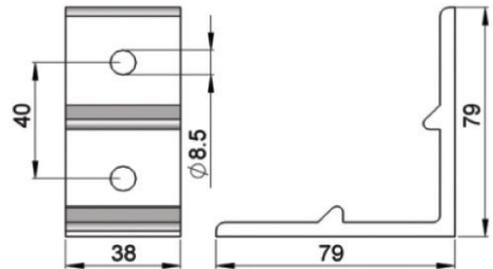
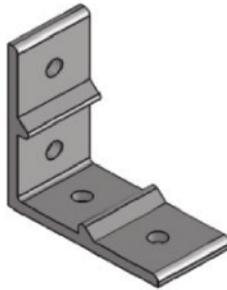
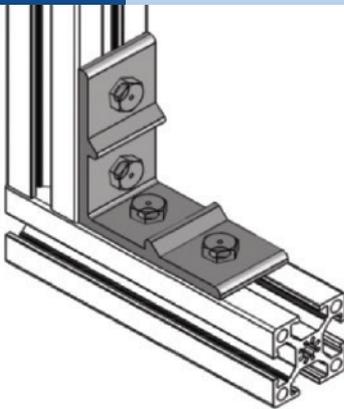


UOM: pc

Mounting: FAHB-M8 x20 (4) , FASN-M8 (4) , FAFW-M8 (4)

## FBAB-40L

Angle Bracket for Support Beam 40x40 - Aluminum

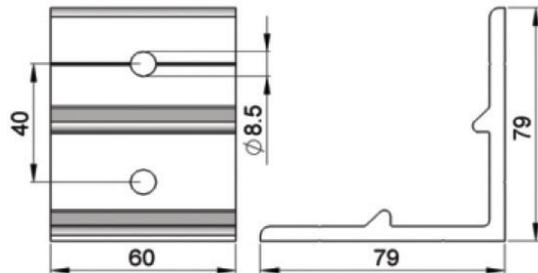
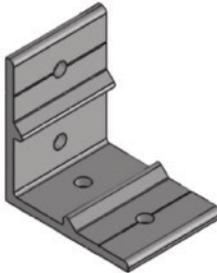
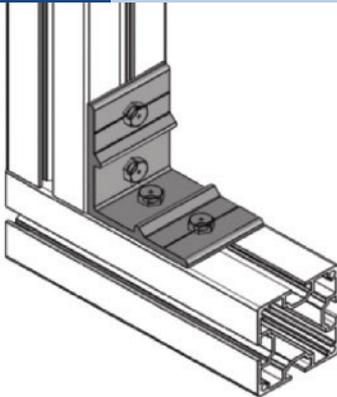


UOM: pc

Mounting: FAHB-M8 x 16 (4) , FASN-M8 (4) , FAFW-M8 (4)

## FBAB-60L

Angle Bracket for Support Beam 64x64 - Aluminum

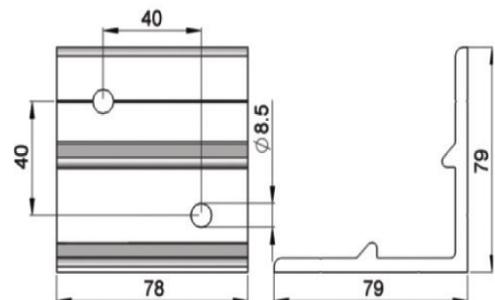
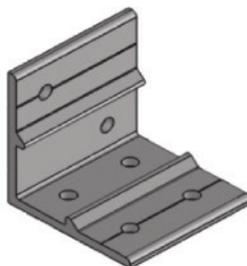
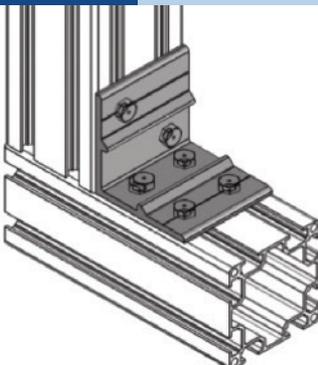


UOM: pc

Mounting: FAHB-M8 x 16 (4) , FASN-M8 (4) , FAFW-M8 (4)

## FBAB-80L

Angle Bracket for Support Beam 80x80 - Aluminum

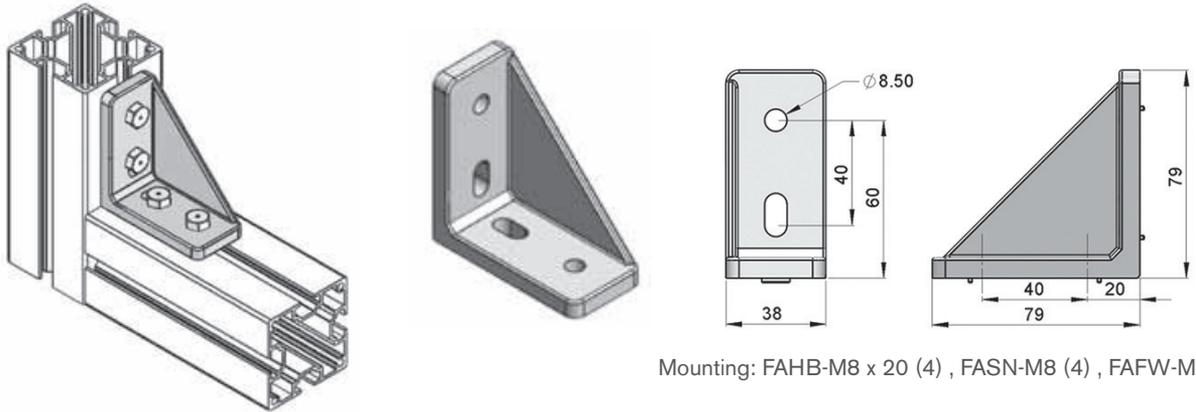


UOM: pc

Mounting: FAHB-M8 x 16 (6) , FASN-M8 (6) , FAFW-M8 (6)

## FBAB-40x80A

Angle Bracket for Support Beam 40x40, 64x64, 40x80 - Aluminum Die Cast

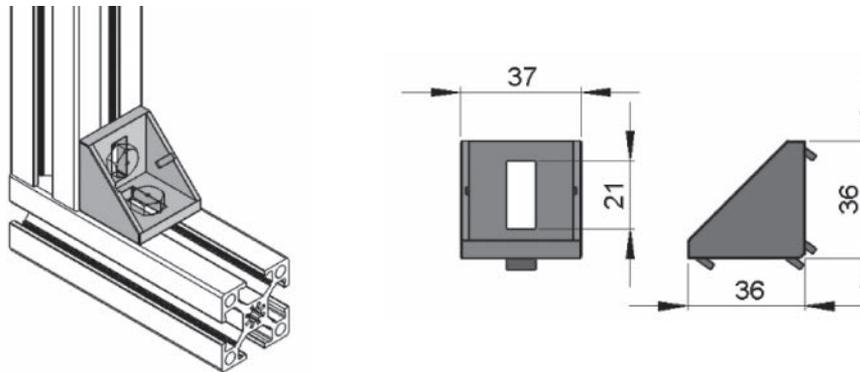


UOM: pc

Mounting: FAHB-M8 x 20 (4) , FASN-M8 (4) , FAFW-M8 (4)

## FBAB-40x40A

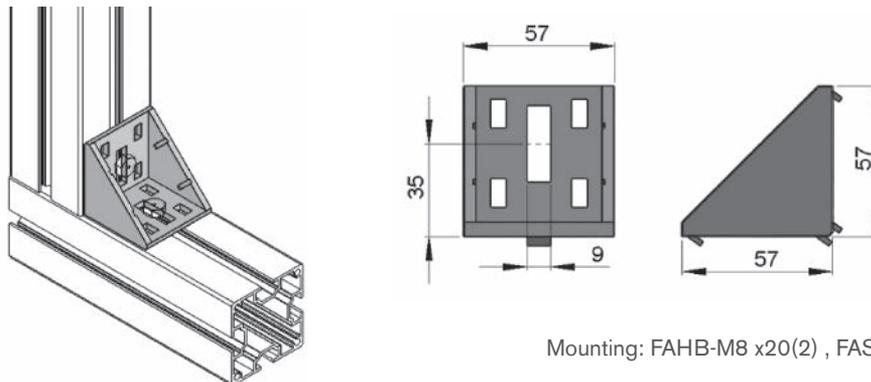
Angle Bracket for Support Beam 40x40 - Aluminum Die Cast



UOM: pc

## FBAB-64x64A

Angle Bracket for Support Beam 64x64 - Aluminum Die Cast

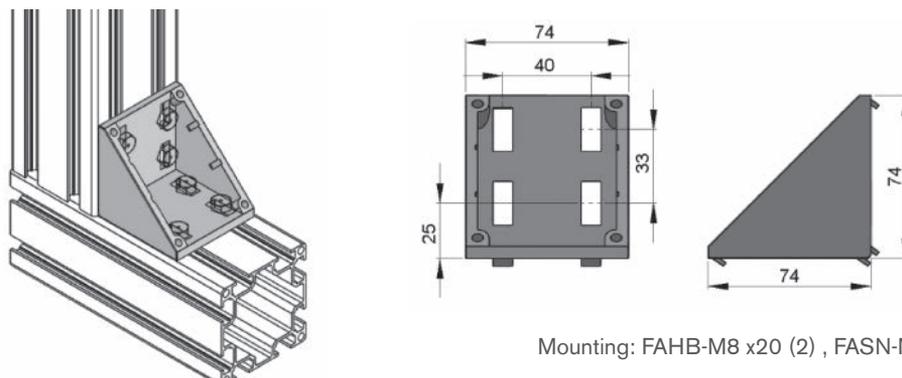


UOM: pc

Mounting: FAHB-M8 x20(2) , FASN-M8 (2) , FAFW-M8 (2)

## FBAB-80x80A

Angle Bracket for Support Beam 80x80 - Aluminum Die Cast

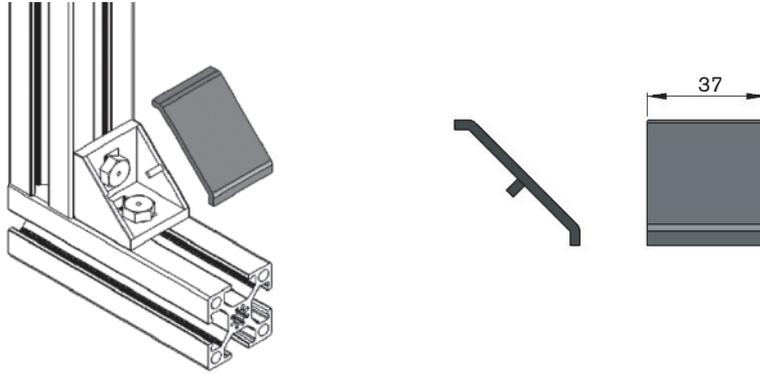


UOM: pc

Mounting: FAHB-M8 x20 (2) , FASN-M8 (2) , FAFW-M8 (2)

**FBEC-40x40A**

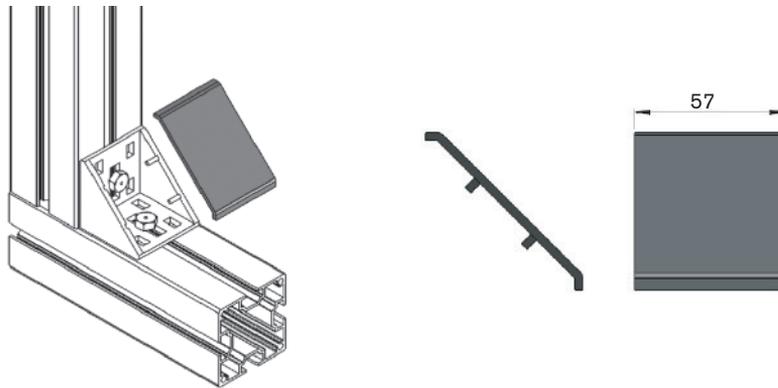
End Cap for FBAB-40x40A angle bracket - Polyamide



UOM: pc

**FBEC-64x64A**

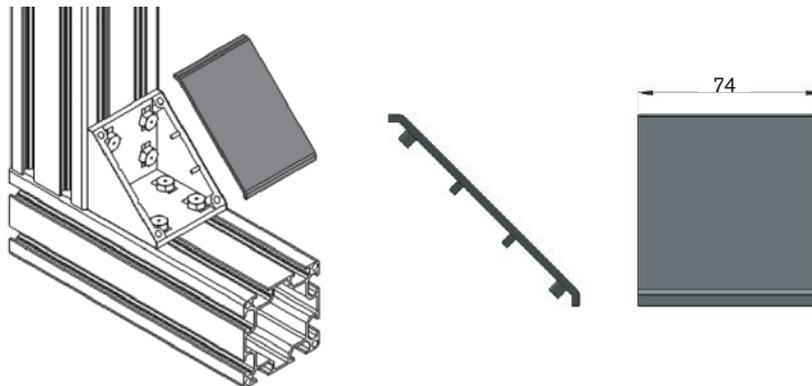
End Cap for FBAB-64x64A angle bracket - Polyamide



UOM: pc

**FBEC-80x80A**

End Cap for FBAB-80x80A angle bracket - Polyamide

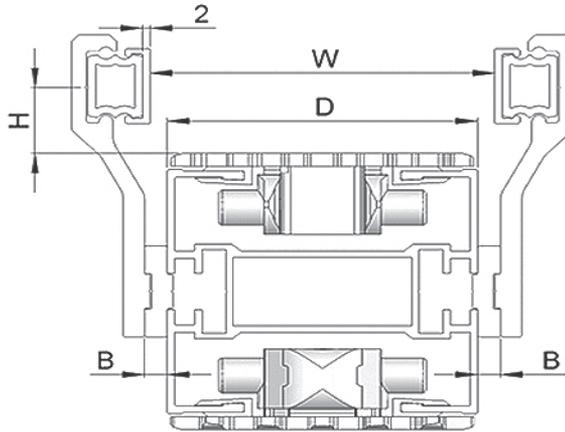
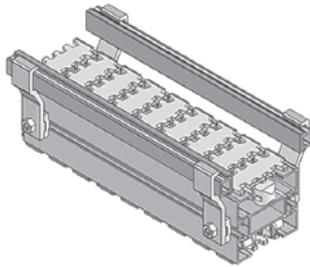


UOM: pc

## FGRB-16x54

### Fixed Guide Rail Assembly

#### FGRB-16x54 Assembly



**B Spacer = FGRD-6**

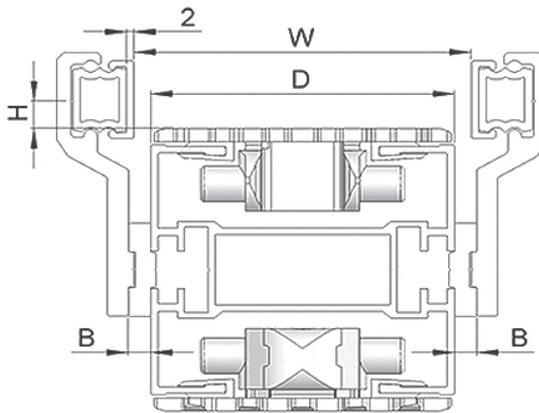
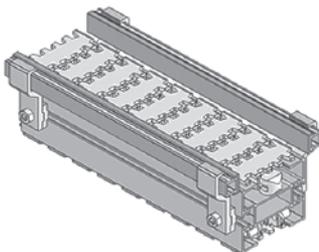
See page 191  
for components

Guide Rail Bracket	Series	D (mm)	H (mm)	W (mm) B = 0	W (mm) B = 6.3	W (mm) B = 12.6	W (mm) B = 18.9
FGRB-16X54	FK	45	26	41.7	54.3	66.9	79.5
FGRB-16X54	FS	65	26	61.7	74.3	86.9	99.5
FGRB-16X54	FM	85	20	81.7	94.3	106.9	119.5
FGRB-16X54	FC	105	20	101.7	114.3	126.9	139.5
FGRB-16X54	FL	150	20	146.7	159.3	171.9	184.5
FGRB-16X54	FU	179	20	175.7	188.3	200.9	213.5
FGRB-16X54	FV	260	20	256.7	269.3	281.9	294.5

## FGRB-16x42

### Fixed Guide Rail Assembly

#### FGRB-16x42 Assembly



**B Spacer = FGRD-6**

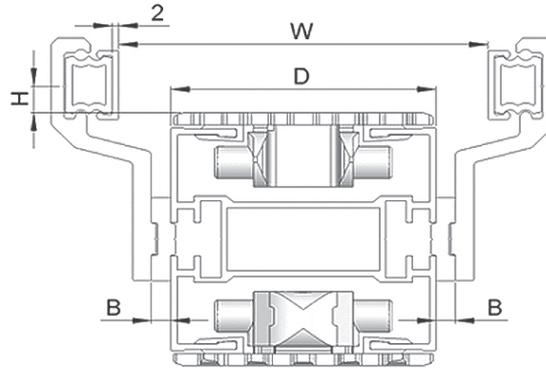
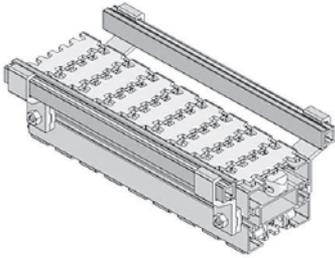
See page 191  
for components

Guide Rail Bracket	Series	D (mm)	H (mm)	W (mm) B = 0	W (mm) B = 6.3	W (mm) B = 12.6	W (mm) B = 18.9
FGRB-16X42	FK	45	14	41.7	54.3	66.9	79.5
FGRB-16X42	FS	65	14	61.7	74.3	86.9	99.5
FGRB-16X42	FM	85	8	-	94.3	106.9	119.5
FGRB-16X42	FC	105	8	-	114.3	126.9	139.5
FGRB-16X42	FL	150	8	-	159.3	171.9	184.5
FGRB-16X42	FU	179	8	-	188.3	200.9	213.5
FGRB-16X42	FV	260	8	-	269.3	281.9	294.5

## FGRB-28x42

### Fixed Guide Rail Assembly

#### FGRB-28x42 Assembly



**B Spacer = FGRD-6**

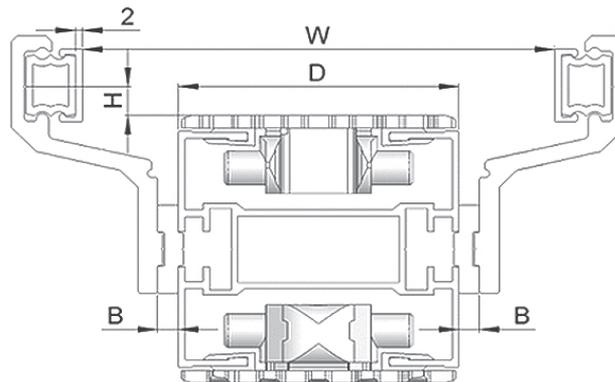
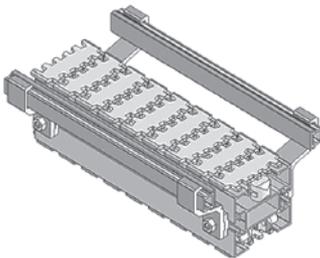
See page 191  
for components

Guide Rail Bracket	Series	D (mm)	H (mm)	W (mm) B = 0	W (mm) B = 6.3	W (mm) B = 12.6	W (mm) B = 18.9
FGRB-28X42	FK	45	14	65.8	78.4	91	103.6
FGRB-28X42	FS	65	14	85.8	98.4	111	123.6
FGRB-28X42	FM	85	8	105.8	118.4	131	143.6
FGRB-28X42	FC	105	8	125.8	138.4	151	163.6
FGRB-28X42	FL	150	8	170.8	183.4	196	208.6
FGRB-28X42	FU	179	8	199.8	212.4	225	237.6
FGRB-28X42	FV	260	8	280.8	293.4	306	318.6

## FGRB-40x42

### Fixed Guide Rail Assembly

#### FGRB-40x42 Assembly



**B Spacer = FGRD-6**

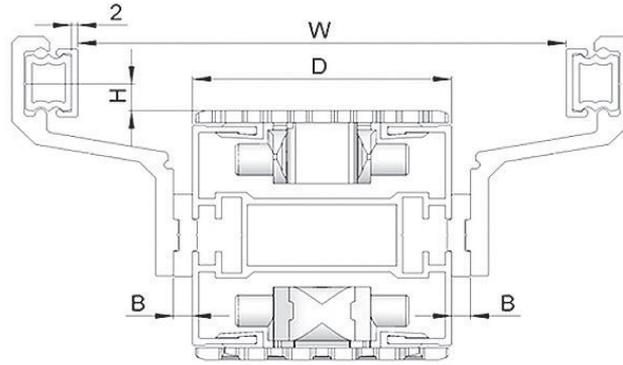
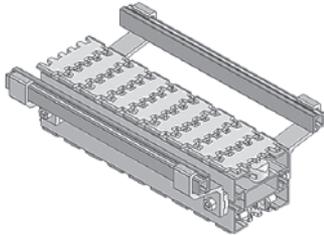
See page 191  
for components

Guide Rail Bracket	Series	D (mm)	H (mm)	W (mm) B = 0	W (mm) B = 6.3	W (mm) B = 12.6	W (mm) B = 18.9
FGRB-40X42	FK	45	14	90.6	103.2	115.8	128.4
FGRB-40X42	FS	65	14	110.6	123.2	135.8	148.4
FGRB-40X42	FM	85	8	130.6	143.2	155.8	168.4
FGRB-40X42	FC	105	8	150.6	163.2	175.8	188.4
FGRB-40X42	FL	150	8	195.6	163.2	220.8	233.4
FGRB-40X42	FU	179	8	224.6	237.2	249.8	262.4
FGRB-40X42	FV	260	8	305.6	318.2	330.8	343.4

## FGRB-49x42

### Fixed Guide Rail Assembly

#### FGRB-49x42 Assembly



**B Spacer = FGRD-6**

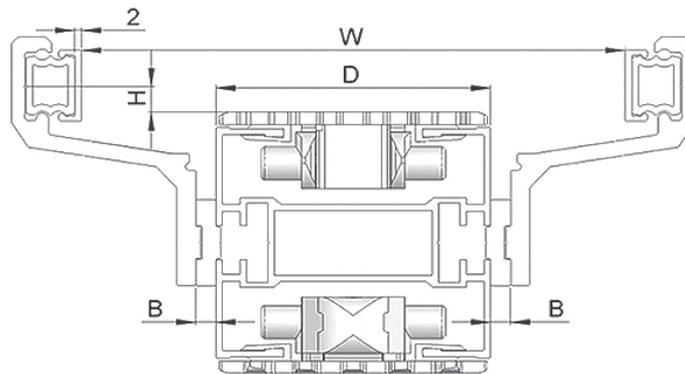
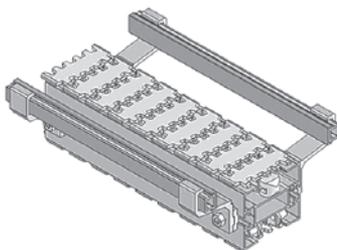
See page 192 for components

Guide Rail Bracket	Series	D (mm)	H (mm)	W (mm) B = 0	W (mm) B = 6.3	W (mm) B = 12.6	W (mm) B = 18.9
FGRB-49X42	FK	45	14	107.8	120.4	133	145.6
FGRB-49X42	FS	65	14	127.8	140.4	153	165.6
FGRB-49X42	FM	85	8	147.8	160.4	173	185.6
FGRB-49X42	FC	105	8	167.8	180.4	193	205.6
FGRB-49X42	FL	150	8	212.8	225.4	238	250.6
FGRB-49X42	FU	179	8	241.8	254.4	267	279.6
FGRB-49X42	FV	260	8	322.8	335.4	348	360.6

## FGRB-53x42

### Fixed Guide Rail Assembly

#### FGRB-53x42 Assembly



**B Spacer = FGRD-6**

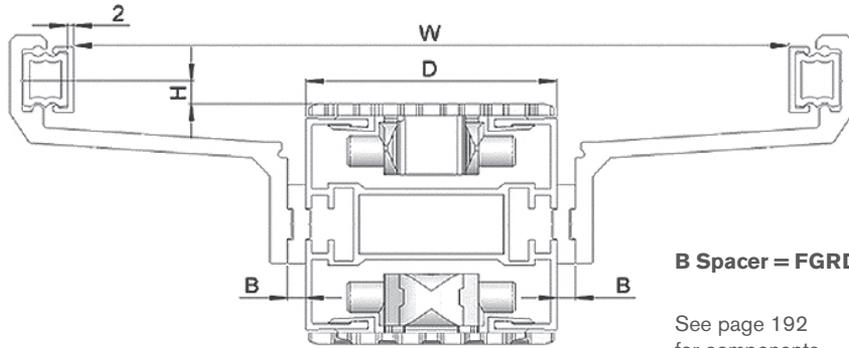
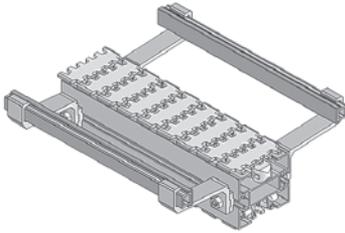
See page 192 for components

Guide Rail Bracket	Series	D (mm)	H (mm)	W (mm) B = 0	W (mm) B = 6.3	W (mm) B = 12.6	W (mm) B = 18.9
GRB-53X42	FK	45	14	115.7	128.3	140.9	153.5
FGRB-53X42	FS	65	14	135.7	148.3	160.9	173.5
FGRB-53X42	FM	85	8	155.7	168.3	180.9	193.5
FGRB-53X42	FC	105	8	175.7	188.3	200.9	213.5
FGRB-53X42	FL	150	8	220.7	233.3	245.9	258.5
FGRB-53X42	FU	179	8	249.7	262.3	274.9	287.5
FGRB-53X42	FV	260	8	330.7	343.3	355.9	368.5

### FGRB-90x42

### Fixed Guide Rail Assembly

#### FGRB-90x42 Assembly



**B Spacer = FGRD-6**

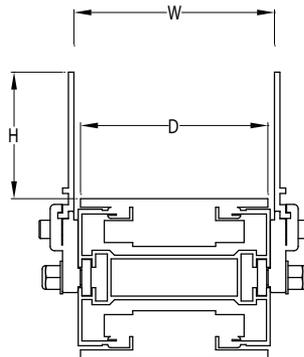
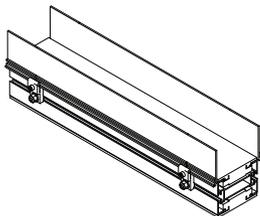
See page 192  
for components

Guide Rail Bracket	Series	D (mm)	H (mm)	W (mm) B = 0	W (mm) B = 6.3	W (mm) B = 12.6	W (mm) B = 18.9
FGRB-90X42	FK	45	14	190.3	202.9	215.5	228.1
FGRB-90X42	FS	65	14	210.3	222.9	235.5	248.1
FGRB-90X42	FM	85	8	230.3	242.9	255.5	268.1
FGRB-90X42	FC	105	8	250.3	262.9	275.5	288.1
FGRB-90X42	FL	150	8	295.3	307.9	320.5	333.1
FGRB-90X42	FU	179	8	324.3	336.9	349.5	362.1
FGRB-90X42	FV	260	8	405.3	417.9	430.5	443.1

### FGHS-30/FGHS-70

### Fixed High Side Guide Assembly

#### FGHS-30/-70 Assembly



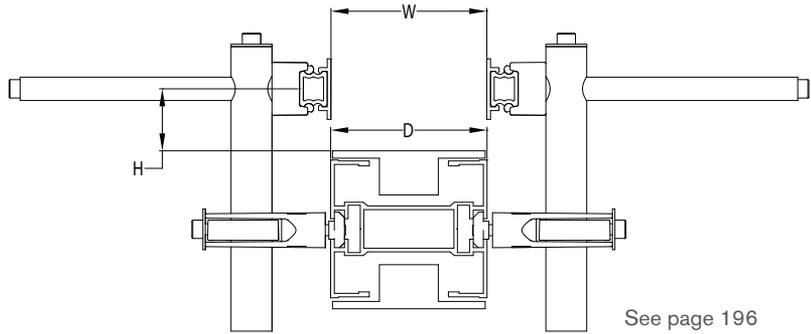
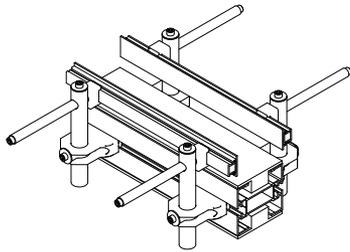
See page 206  
for components

Guide Rail Bracket	Series	D (mm)	FGHS-30 Rail		W (mm) B = 0
			H (mm)	H (mm)	
FGRD-HS	FK	45	37	75	49
FGRD-HS	FS	65	31	70	69
FGRD-HS	FM	85	31	70	89
FGRD-HS	FC	105	31	70	109
FGRD-HS	FL	150	31	70	159
FGRD-HS	FU	179	31	70	183
FGRD-HS	FV	260	31	70	264

## FGRA-22HD

### Heavy Duty Fully Adjustable Guide Assembly

#### FGRA-22HD Assembly



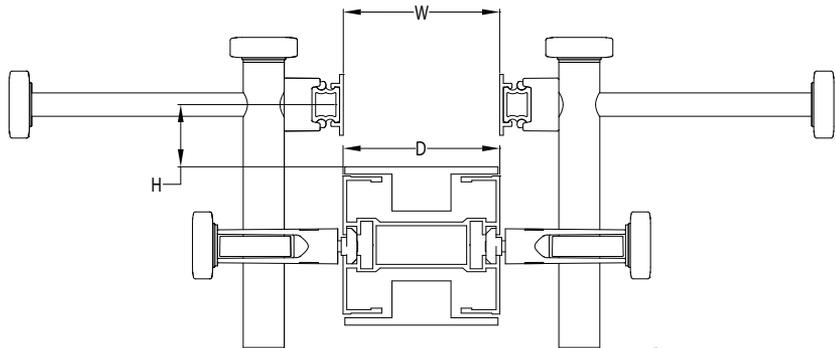
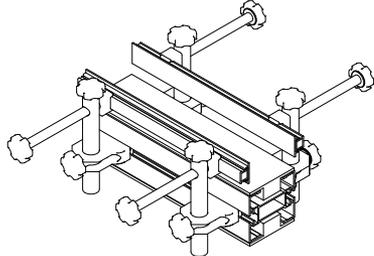
See page 196  
for components

Bracket Assembly	Series	D (mm)	H (mm) Min	H (mm) Max	W (mm) Min	W (mm) Max
FGRA-22HD	FK	45	17	82	0	39
FGRA-22HD	FS	65	17	76	0	59
FGRA-22HD	FM	85	17	76	0	79
FGRA-22HD	FC	105	17	76	0	99
FGRA-22HD	FL	150	17	76	0	144
FGRA-22HD	FU	179	17	76	0	170
FGRA-22HD	FV	260	17	76	30	254

## FGRA-22HDT

### Heavy Duty Tool-less Fully Adjustable Guide Assembly

#### FGRB-53x42 Assembly



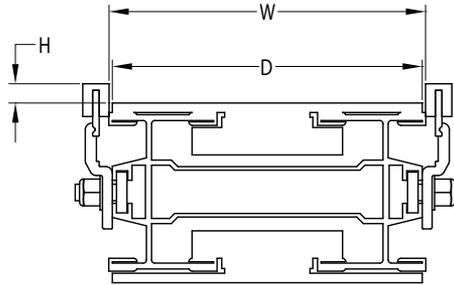
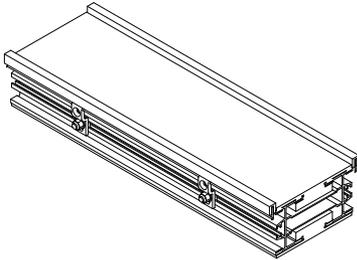
See page 196  
for components

Bracket Assembly	Series	D (mm)	H (mm) Min	H (mm) Max	W (mm) Min	W (mm) Max
FGRA-22HDT	FK	45	17	82	0	39
FGRA-22HDT	FS	65	17	76	0	59
FGRA-22HDT	FM	85	17	76	0	79
FGRA-22HDT	FC	105	17	76	0	99
FGRA-22HDT	FL	150	17	76	0	144
FGRA-22HDT	FU	179	17	76	0	170
FGRA-22HDT	FV	260	17	76	30	254

## FGPG-A/FGPG-U

## Pallet/Puck Guide Assembly

### FGPG-A/FHPG-U Assembly



See page 207  
for components

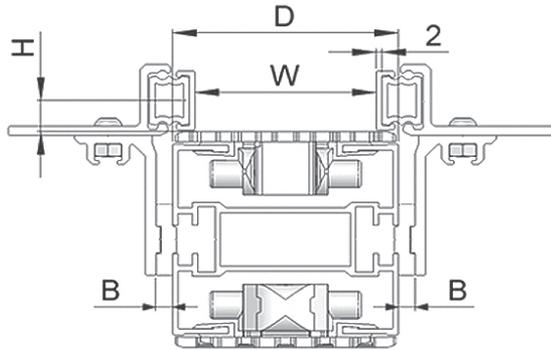
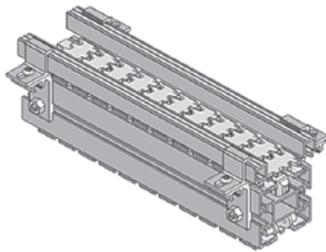
Bracket	Series	D (mm)	H (mm)	W (mm) B = 0
FGRB-PG	FK	45	24	48
FGRB-PG	FS	65	18	68
FGRB-PG	FM	85	18	88
FGRB-PG	FC	105	18	108
FGRB-PG	FL	150	18	153
FGRB-PG	FU	179	18	182
FGRB-PG	FV	260	18	263

Note:

- Available in North America Only
- Pallets available for FC Series Only
- H can be lowered by 9.5 mm for pallet transfer

## FGRA-8x39x45 Adjustable Guide Rail Assembly

FGRA-8x39x45 Assembly



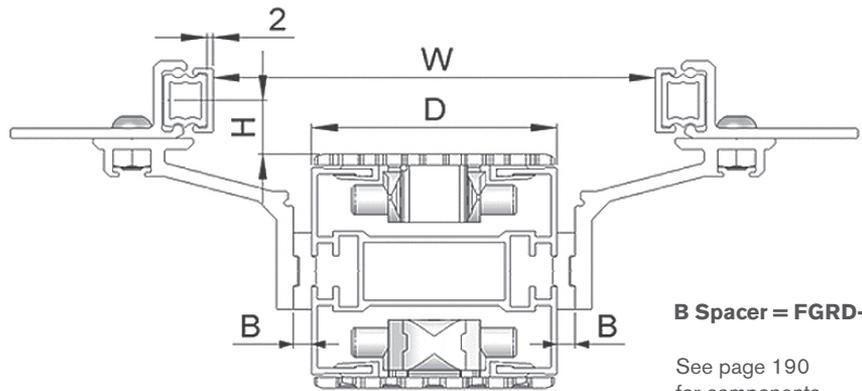
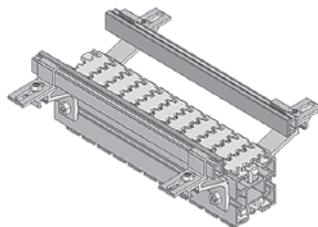
**B Spacer = FGRD-6**

See page 190 for components

Guide Rail Bracket	Series	D (mm)	H (mm)	W (mm) min B = 0	W (mm) max B = 0	W (mm) min B = 6.3	W (mm) max B = 6.3
FGRA-8x39x45	FK	45	17	0	24.8	0	37.4
FGRA-8x39x45	FS	65	17	0	44.8	0	57.4
Guide Rail Bracket	Series	D (mm)	H (mm)	W (mm) min B = 12.6	W (mm) max B = 12.6	W (mm) min B = 1839	W (mm) max B = 18.9
FGRA-8x39x45	FM	85	11	86	90	86	102.6
FGRA-8x39x45	FC	105	11	106	110	106	122.6
FGRA-8x39x45	FL	150	11	156	160	156	172.6
FGRA-8x39x45	FU	179	11	180	184	180	196.6
FGRA-8x39x45	FV	260	11	261	265	261	277.6

## FGRA-26x39x45 Adjustable Guide Rail Assembly

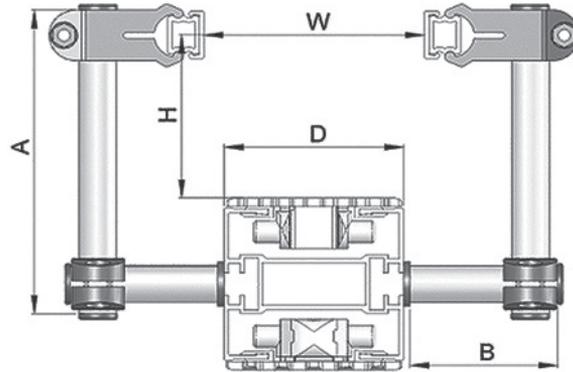
FGRA-26x39x45 Assembly



**B Spacer = FGRD-6**

See page 190 for components

Guide Rail Bracket	Series	D (mm)	H (mm)	W (mm) min B = 0	W (mm) max B = 0	W (mm) min B = 6.3	W (mm) max B = 6.3
FGRA-26x39x45	FK	45	24	28.8	100.8	41.4	113.4
FGRA-26x39x45	FS	65	24	48.8	120.8	61.4	133.4
FGRA-26x39x45	FM	85	18	68.8	140.8	81.4	153.4
FGRA-26x39x45	FC	105	18	88.8	160.8	101.4	173.4
FGRA-26x39x45	FL	150	18	133.8	205.8	146.4	218.4
FGRA-26x39x45	FU	179	18	162.8	234.8	175.4	251.4
FGRA-8x39x45	FV	260	18	243.8	315.8	256.4	328.4

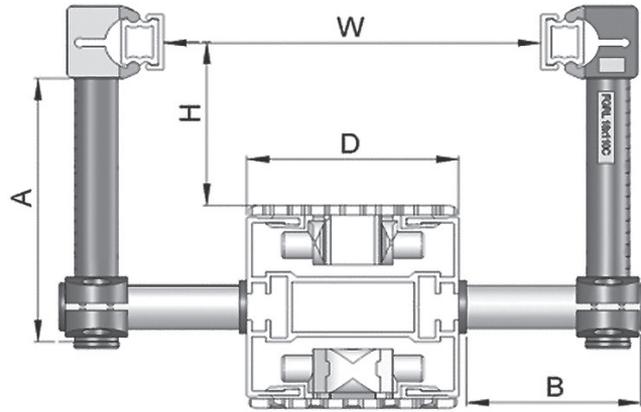


See pages 189, 198 and 204 for components

A (mm)	Series	D (mm)	H (mm) Min	H (mm) Max
FGRR-100	FK	45	17	35
FGRR-100	FS	65	17	35
FGRR-100	FM	85	17	35
FGRR-100	FC	105	17	30
FGRR-100	FL	150	17	30
FGRR-100	FU	179	17	35
FGRR-100	FV	260	17	35
FGRR-150	FK	45	17	85
FGRR-150	FS	65	17	85
FGRR-150	FM	85	17	80
FGRR-150	FC	105	17	80
FGRR-150	FL	150	17	80
FGRR-150	FU	179	17	80
FGRR-150	FV	260	17	80
FGRR-200	FK	45	17	135
FGRR-200	FS	65	17	135
FGRR-200	FM	85	17	130
FGRR-200	FC	105	17	130
FGRR-200	FL	150	17	130
FGRR-200	FU	179	17	130
FGRR-200	FV	260	17	130
FGRR-250	FK	45	17	185
FGRR-250	FS	65	17	185
FGRR-250	FM	85	17	180
FGRR-250	FC	105	17	180
FGRR-250	FL	150	17	180
FGRR-250	FU	179	17	180
FGRR-250	FV	260	17	180

B (mm)	Series	D (mm)	H (mm) Min	H (mm) Max
FGDT-70	FK	45	0	65
FGDT-70	FS	65	0	85
FGDT-70	FM	85	16	105
FGDT-70	FC	105	36	125
FGDT-70	FL	150	81	170
FGDT-70	FU	179	110	199
FGDT-70	FV	260	191	280
FGDT-100	FK	45	0	125
FGDT-100	FS	65	0	145
FGDT-100	FM	85	16	165
FGDT-100	FC	105	36	185
FGDT-100	FL	150	81	230
FGDT-100	FU	179	110	259
FGDT-100	FV	260	191	340
FGDT-150	FK	45	0	225
FGDT-150	FS	65	0	245
FGDT-150	FM	85	16	265
FGDT-150	FC	105	36	285
FGDT-150	FL	150	81	330
FGDT-150	FU	179	110	359
FGDT-150	FV	260	191	440
FGDT-200	FK	45	0	325
FGDT-200	FS	65	0	345
FGDT-200	FM	85	16	365
FGDT-200	FC	105	36	385
FGDT-200	FL	150	81	430
FGDT-200	FU	179	110	459
FGDT-200	FV	260	191	540

- FGRL-18x110C & FGDT-70
- FGRL-18x110C & FGDT-100
- FGRL-18x110C & FGDT-150
- FGRL-18x110C & FGDT-200
- FGRL-18x160C & FGDT-70
- FGRL-18x160C & FGDT-100
- FGRL-18x160C & FGDT-150
- FGRL-18x160C & FGDT-200



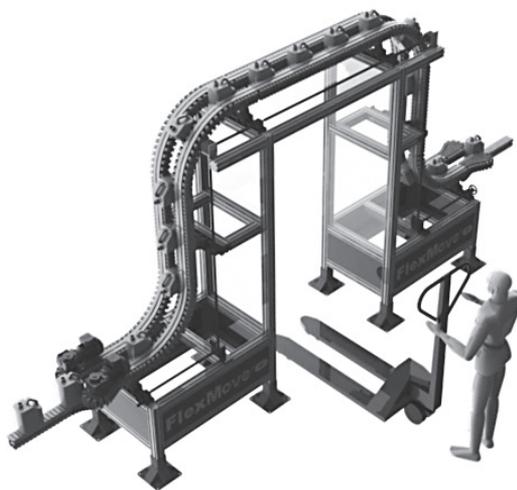
Note:  
Plastic guide supports used for light products.

Guide Rail Assembly

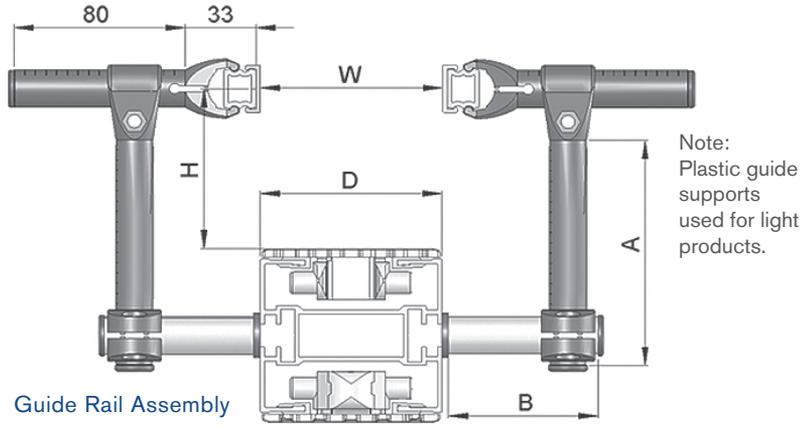
See pages 189, 198 and 199 for components

A (mm)	Series	D (mm)	H (mm) Min	H (mm) Max
FGRL-18x110C	FK	45	14	70
FGRL-18x110C	FS	65	14	70
FGRL-18x110C	FM	85	14	65
FGRL-18x110C	FC	105	14	65
FGRL-18x110C	FL	150	14	65
FGRL-18x110C	FU	179	14	65
FGRL-18x110C	FV	260	14	65
FGRL-18x160C	FK	45	14	120
FGRL-18x160C	FS	65	14	120
FGRL-18x160C	FM	85	14	115
FGRL-18x160C	FC	105	14	115
FGRL-18x160C	FL	150	14	115
FGRL-18x160C	FU	179	14	115
FGRL-18x160C	FV	260	14	115

B (mm)	Series	D (mm)	H (mm) Min	H (mm) Max
FGDT-70	FK	45	23	110
FGDT-70	FS	65	43	130
FGDT-70	FM	85	63	150
FGDT-70	FC	105	83	170
FGDT-70	FL	150	128	215
FGDT-70	FU	179	157	244
FGDT-70	FV	260	238	325
FGDT-100	FK	45	23	170
FGDT-100	FS	65	43	190
FGDT-100	FM	85	63	210
FGDT-100	FC	105	83	230
FGDT-100	FL	150	128	275
FGDT-100	FU	179	157	304
FGDT-100	FV	260	238	385
FGDT-150	FK	45	23	270
FGDT-150	FS	65	43	290
FGDT-150	FM	85	63	310
FGDT-150	FC	105	83	330
FGDT-150	FL	150	128	375
FGDT-150	FU	179	157	404
FGDT-150	FV	260	238	485
FGDT-200	FK	45	23	370
FGDT-200	FS	65	43	390
FGDT-200	FM	85	63	410
FGDT-200	FC	105	83	430
FGDT-200	FL	150	128	475
FGDT-200	FU	179	157	504
FGDT-200	FV	260	238	585



- FGRL-18x110C & FGDT-70
- FGRL-18x110C & FGDT-100
- FGRL-18x110C & FGDT-150
- FGRL-18x110C & FGDT-200
- FGRL-18x160C & FGDT-70
- FGRL-18x160C & FGDT-100
- FGRL-18x160C & FGDT-150
- FGRL-18x160C & FGDT-200



See pages 189, 198 and 200 for components

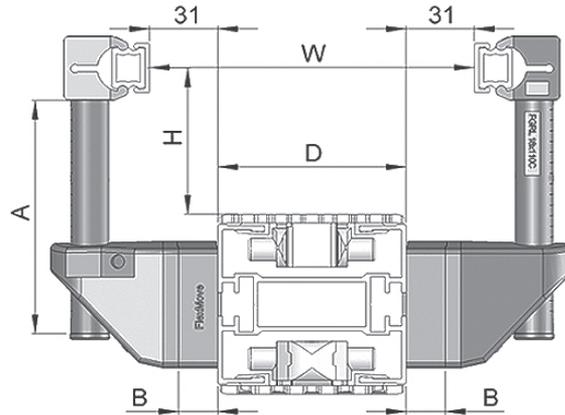
A (mm)	Series	D (mm)	H (mm) Min	H (mm) Max
FGRL-18x110C	FK	45	14	70
FGRL-18x110C	FS	65	14	70
FGRL-18x110C	FM	85	14	65
FGRL-18x110C	FC	105	14	65
FGRL-18x110C	FL	150	14	65
FGRL-18x110C	FU	179	14	65
FGRL-18x110C	FV	260	14	65
FGRL-18x160C	FK	45	14	120
FGRL-18x160C	FS	65	14	120
FGRL-18x160C	FM	85	14	115
FGRL-18x160C	FC	105	14	115
FGRL-18x160C	FL	150	14	115
FGRL-18x160C	FU	179	14	115
FGRL-18x160C	FV	260	14	115

B (mm)	Series	D (mm)	H (mm) Min	H (mm) Max
FGDT-70	FK	45	0	68
FGDT-70	FS	65	0	88
FGDT-70	FM	85	0	108
FGDT-70	FC	105	0	128
FGDT-70	FL	150	0	173
FGDT-70	FU	179	0	202
FGDT-70	FV	260	65	283
FGDT-100	FK	45	0	128
FGDT-100	FS	65	0	148
FGDT-100	FM	85	0	168
FGDT-100	FC	105	0	188
FGDT-100	FL	150	0	233
FGDT-100	FU	179	0	262
FGDT-100	FV	260	65	343
FGDT-150	FK	45	0	228
FGDT-150	FS	65	0	248
FGDT-150	FM	85	0	268
FGDT-150	FC	105	0	288
FGDT-150	FL	150	0	333
FGDT-150	FU	179	0	362
FGDT-150	FV	260	65	443
FGDT-200	FK	45	0	328
FGDT-200	FS	65	0	348
FGDT-200	FM	85	0	368
FGDT-200	FC	105	0	388
FGDT-200	FL	150	0	433
FGDT-200	FU	179	0	462
FGDT-200	FV	260	65	543



## FGRL-18x110C & FGRF-42x18V

## Guide Rail Assembly



Note:  
Plastic guide supports used for light products.

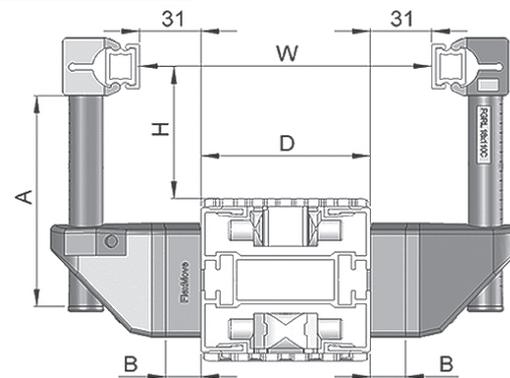
**B Spacer = FGRD-18A**

See pages 199 and 201 for components

Guide Rail	Guide Rail	Series	D (mm)	A (mm)	H (mm) Min	H (mm) Max	W (mm) B = 0	W (mm) B = 18	W (mm) B = 36
FGRL-18x110C	FGRF-42x18V	FK	45	110	3	75	71	107	143
FGRL-18x110C	FGRF-42x18V	FS	65	110	3	75	91	127	163
FGRL-18x110C	FGRF-42x18V	FM	85	110	3	70	111	147	183
FGRL-18x110C	FGRF-42x18V	FC	105	110	3	70	131	167	203
FGRL-18x110C	FGRF-42x18V	FL	150	110	3	70	176	212	248
FGRL-18x110C	FGRF-42x18V	FU	179	110	3	70	205	241	277
FGRL-18x110C	FGRF-42x18V	FV	260	110	3	70	286	322	358

## FGRL-18x160C & FGRF-42x18V

## Guide Rail Assembly



Note:  
Plastic guide supports used for light products.

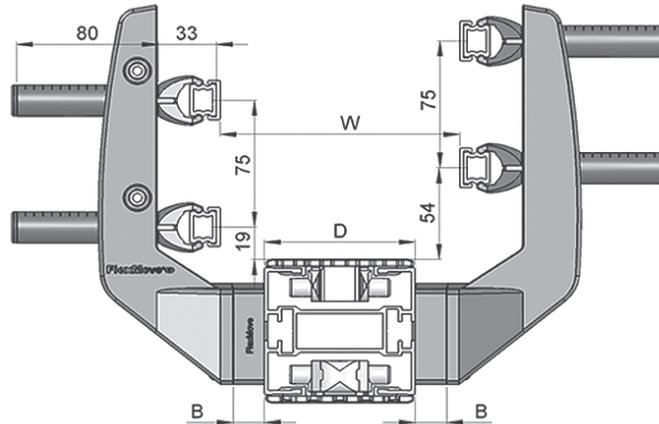
**B Spacer = FGRD-18A**

See pages 199 and 201 for components

Guide Rail	Guide Rail	Series	D (mm)	A (mm)	H (mm) Max	H (mm) Min	W (mm) B = 0	W (mm) B = 18	W (mm) B = 36
FGRL-18x160C	FGRF-42x18V	FK	45	160	3	135	71	107	143
FGRL-18x160C	FGRF-42x18V	FS	65	160	3	135	91	127	163
FGRL-18x160C	FGRF-42x18V	FM	85	160	3	130	111	147	183
FGRL-18x160C	FGRF-42x18V	FC	105	160	3	130	131	167	203
FGRL-18x160C	FGRF-42x18V	FL	150	160	3	130	176	212	248
FGRL-18x160C	FGRF-42x18V	FU	179	160	3	130	205	241	277
FGRL-18x160C	FGRF-42x18V	FV	260	160	3	130	286	322	358

## FGRF-42x62-A110 & FGRK-18x80A

### Guide Rail Assembly



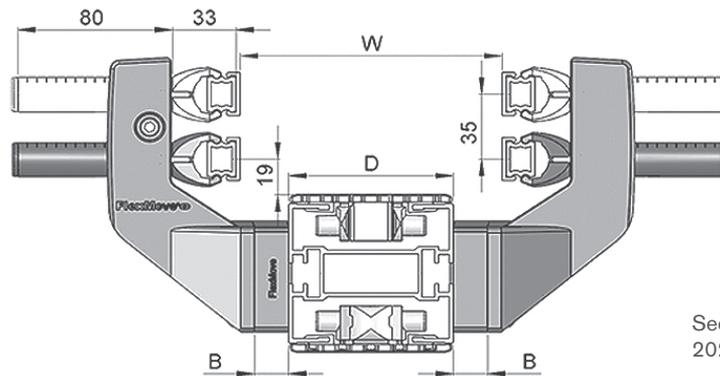
**B Spacer = FGRD-18A**

See pages 200, 201 and 202 for components

Guide Rail	Guide Rail	Series	D (mm)	W min B = 0	W min B = 18	W min B = 36	W (mm) B = 0	W (mm) B = 18	W (mm) B = 36
FGRF-42x62-A110	FGRK-18x80A	FK	45	0	3	39	61	97	133
FGRF-42x62-A110	FGRK-18x80A	FS	65	0	23	59	81	117	153
FGRF-42x62-A110	FGRK-18x80A	FM	85	7	43	79	101	137	173
FGRF-42x62-A110	FGRK-18x80A	FC	105	27	63	99	121	157	193
FGRF-42x62-A110	FGRK-18x80A	FL	150	72	108	144	166	202	238
FGRF-42x62-A110	FGRK-18x80A	FU	179	101	137	173	195	231	267
FGRF-42x62-A110	FGRK-18x80A	FV	260	182	218	254	276	312	348

## FGRF-42x62-A35 & FGRK-18x80A

### Guide Rail Assembly



**B Spacer = FGRD-18A**

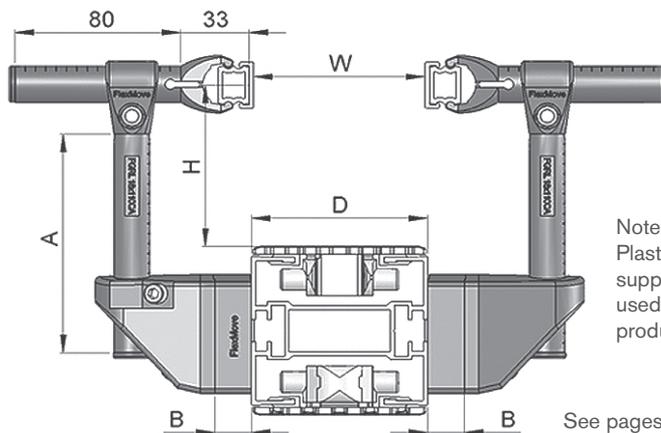
See pages 200, 201 and 202 for components

Guide Rail	Guide Rail	Series	D (mm)	W min B = 0	W min B = 18	W min B = 36	W (mm) B = 0	W (mm) B = 18	W (mm) B = 36
FGRF-42x62-A35	FGRK-18x80A	FK	45	0	3	39	61	97	133
FGRF-42x62-A35	FGRK-18x80A	FS	65	0	23	59	81	117	153
FGRF-42x62-A35	FGRK-18x80A	FM	85	7	43	79	101	137	173
FGRF-42x62-A35	FGRK-18x80A	FC	105	27	63	99	121	157	193
FGRF-42x62-A35	FGRK-18x80A	FL	150	72	108	144	166	202	238
FGRF-42x62-A35	FGRK-18x80A	FU	179	101	137	173	195	231	267
FGRF-42x62-A35	FGRK-18x80A	FV	260	182	218	254	276	312	348

FGRF-42x18V & FGRK-18x80A  
& FGRL18x110CA

FGRF-42x18V & FGRK-18x80A  
& FGRL18x160CA

**B Spacer = FGRD-18A**



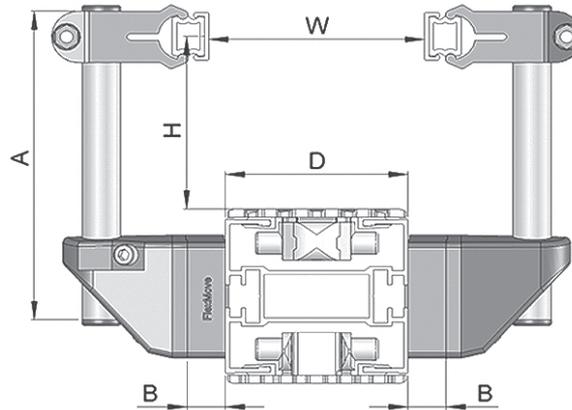
Note:  
Plastic guide supports  
used for light  
products.

See pages 200 and  
201 for components

Guide Rail	Series	D (mm)	A = 110 H (mm) Min	A = 110 H (mm) Max	A = 160 H (mm) Min	A = 160 H (mm) Max	B (mm)	W (mm) Min	W (mm) Max
FGRL-18x110C	FK	45	3	83	3	138	0	0	30
FGRL-18x110C	FS	65	3	83	3	138	0	0	50
FGRL-18x110C	FM	85	3	83	3	133	0	0	70
FGRL-18x110C	FC	105	3	83	3	133	0	0	90
FGRL-18x110C	FL	150	3	83	3	133	0	25	135
FGRL-18x110C	FU	179	3	83	3	133	0	54	164
FGRL-18x110C	FV	260	3	83	3	133	0	135	245
FGRL-18x110C	FK	45	3	83	3	138	18	0	78
FGRL-18x110C	FS	65	3	83	3	138	18	0	86
FGRL-18x110C	FM	85	3	83	3	133	18	0	106
FGRL-18x110C	FC	105	3	83	3	133	18	16	126
FGRL-18x110C	FL	150	3	83	3	133	18	61	171
FGRL-18x110C	FU	179	3	83	3	133	18	90	200
FGRL-18x110C	FV	260	3	83	3	133	18	271	381
FGRL-18x110C	FK	45	3	83	3	138	36	0	112
FGRL-18x110C	FS	65	3	83	3	138	36	12	132
FGRL-18x110C	FM	85	3	83	3	133	36	32	152
FGRL-18x110C	FC	105	3	83	3	133	36	52	172
FGRL-18x110C	FL	150	3	83	3	133	36	97	217
FGRL-18x110C	FU	179	3	83	3	133	36	126	246
FGRL-18x110C	FV	260	3	83	3	133	36	207	327
FGRL-18x110C	FK	45	3	83	3	138	54	28	148
FGRL-18x110C	FS	65	3	83	3	138	54	48	168
FGRL-18x110C	FM	85	3	83	3	133	54	68	188
FGRL-18x110C	FC	105	3	83	3	133	54	88	208
FGRL-18x110C	FL	150	3	83	3	133	54	133	243
FGRL-18x110C	FU	179	3	83	3	133	54	162	272
FGRL-18x110C	FV	260	3	83	3	133	54	243	353

## FGRF-42x18V FGRS-18 & FGDT-150

### Guide Rail Assembly



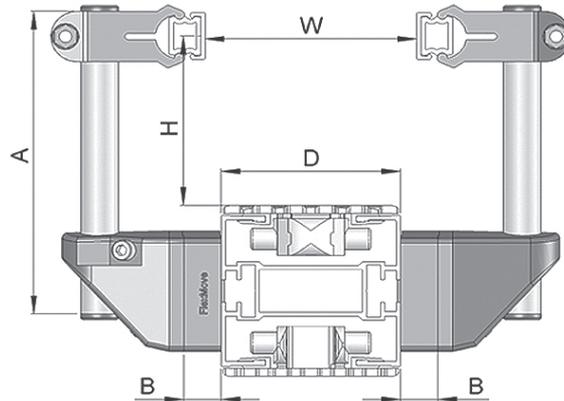
**B Spacer = FGRD-18A**

See pages 189, 198 and 201 for components

Guide Rail	Guide Rail	Series	D (mm)	A (mm)	H (mm) Min	H (mm) Max	W (mm) B = 0	W (mm) B = 18	W (mm) B = 36
FGRS-18	FGDT-150	FK	45	150	3	90	24	60	96
FGRS-18	FGDT-150	FS	65	150	3	90	44	80	116
FGRS-18	FGDT-150	FM	85	150	3	85	64	100	136
FGRS-18	FGDT-150	FC	105	150	3	85	84	120	156
FGRS-18	FGDT-150	FL	150	150	3	85	129	165	201
FGRS-18	FGDT-150	FU	179	150	3	85	158	194	230
FGRS-18	FGDT-150	FV	260	150	3	85	239	275	311

## FGRF-42x18V FGRS-18 & FGDT-200

### Guide Rail Assembly



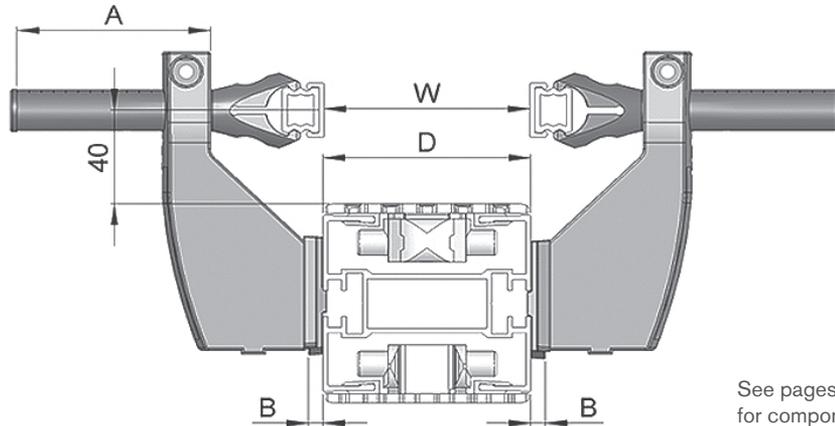
**B Spacer = FGRD-18A**

See pages 189, 198 and 201 for components

Guide Rail	Guide Rail	Series	D (mm)	A (mm)	H (mm) Min	H (mm) Max	W (mm) B = 0	W (mm) B = 18	W (mm) B = 36
FGRS-18	FGDT-200	FK	45	200	3	140	24	60	96
FGRS-18	FGDT-200	FS	65	200	3	140	44	80	116
FGRS-18	FGDT-200	FM	85	200	3	135	64	100	136
FGRS-18	FGDT-200	FC	105	200	3	135	84	120	156
FGRS-18	FGDT-200	FL	150	200	3	135	129	165	201
FGRS-18	FGDT-200	FU	179	200	3	135	158	194	230
FGRS-18	FGDT-200	FV	260	200	3	135	239	275	311

## FGRB-40x18 & FGRK-18x80

## Guide Rail Assembly



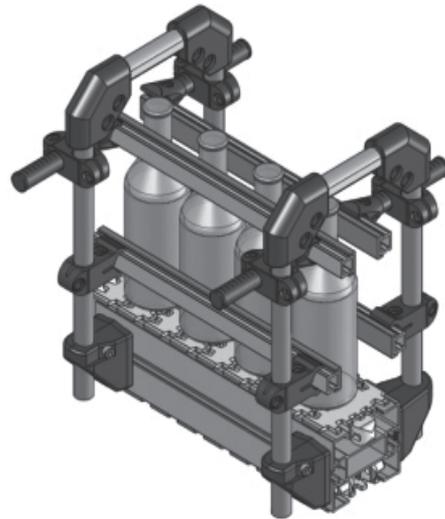
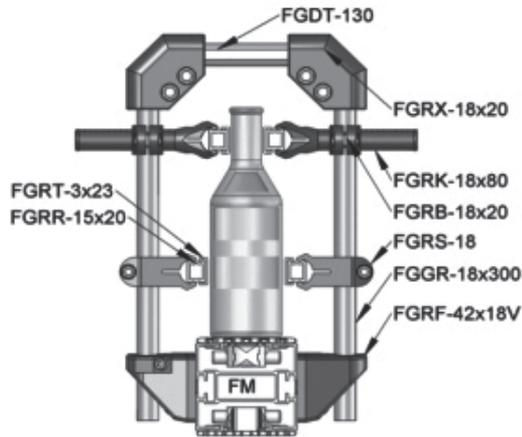
**B Spacer = FGRD-6B**

See pages 200 and 203 for components

Guide Rail	Guide Rail	Series	A (mm)	B (mm)	D (mm)	W (mm) Min	W (mm) Max
FGRB-40x18	FGRK-18x80	FK	80	0	45	0	55
FGRB-40x18	FGRK-18x80	FS	80	0	65	0	75
FGRB-40x18	FGRK-18x80	FM	80	0	85	0	95
FGRB-40x18	FGRK-18x80	FC	80	0	105	15	115
FGRB-40x18	FGRK-18x80	FL	80	0	150	60	160
FGRB-40x18	FGRK-18x80	FU	80	0	179	89	189
FGRB-40x18	FGRK-18x80	FV	80	0	260	170	270
FGRB-40x18	FGRK-18x80	FK	45	6	45	0	67
FGRB-40x18	FGRK-18x80	FS	65	6	65	0	87
FGRB-40x18	FGRK-18x80	FM	85	6	85	7	107
FGRB-40x18	FGRK-18x80	FC	105	6	105	27	127
FGRB-40x18	FGRK-18x80	FL	150	6	150	72	172
FGRB-40x18	FGRK-18x80	FU	179	6	179	101	201
FGRB-40x18	FGRK-18x80	FV	260	6	260	182	282
FGRB-40x18	FGRK-18x80	FK	45	12	45	0	79
FGRB-40x18	FGRK-18x80	FS	65	12	65	0	99
FGRB-40x18	FGRK-18x80	FM	85	12	85	19	119
FGRB-40x18	FGRK-18x80	FC	105	12	105	39	139
FGRB-40x18	FGRK-18x80	FL	150	12	150	84	184
FGRB-40x18	FGRK-18x80	FU	179	12	179	113	213
FGRB-40x18	FGRK-18x80	FV	260	12	260	194	294
FGRB-40x18	FGRK-18x80	FK	45	18	45	1	91
FGRB-40x18	FGRK-18x80	FS	65	18	65	21	111
FGRB-40x18	FGRK-18x80	FM	85	18	85	31	131
FGRB-40x18	FGRK-18x80	FC	105	18	105	51	151
FGRB-40x18	FGRK-18x80	FL	150	18	150	96	196
FGRB-40x18	FGRK-18x80	FU	179	18	179	125	225
FGRB-40x18	FGRK-18x80	FV	260	18	260	206	306

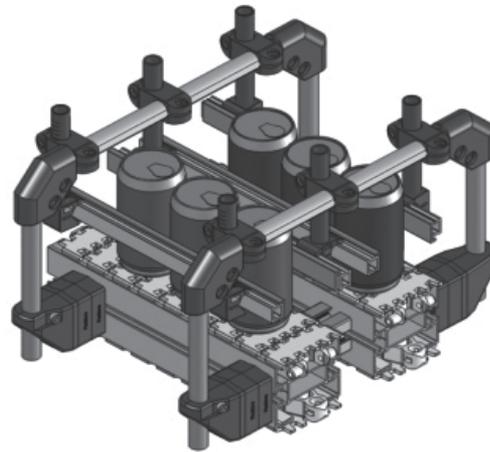
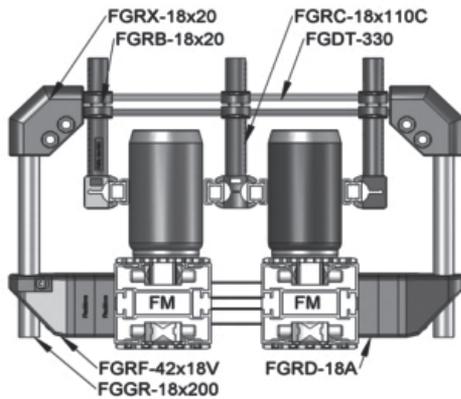
**Bottling Guide Rail Assembly**

Bottles Handling



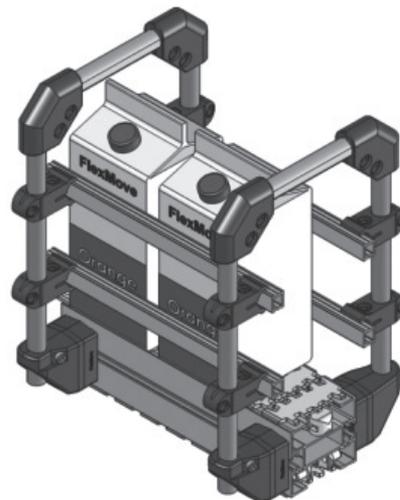
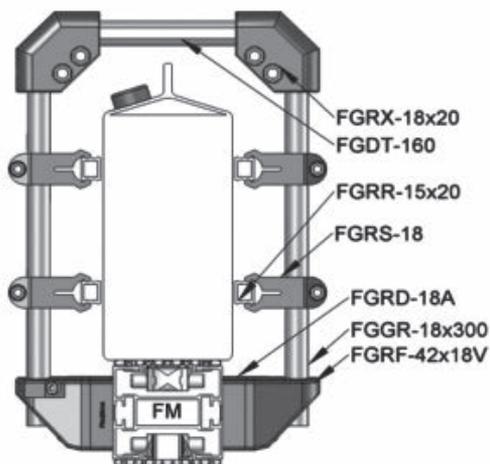
**Double Track Guide Rail Assembly**

Cans Handling



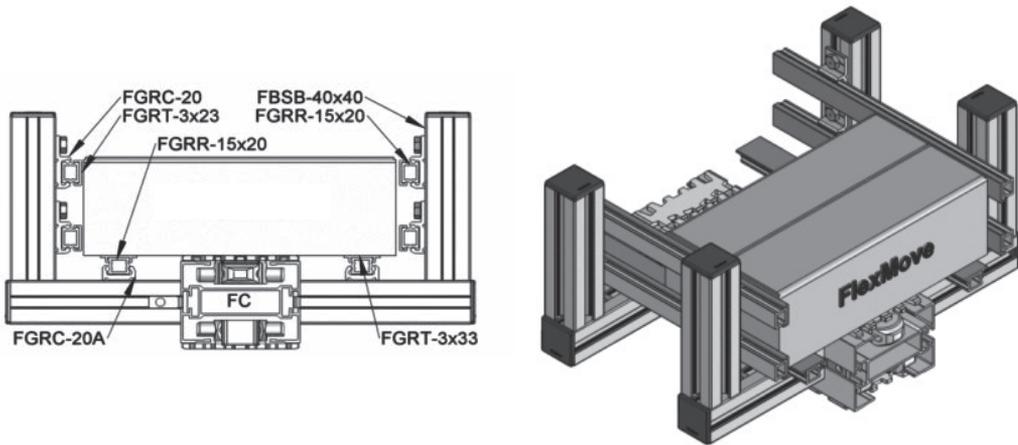
**Duo-Layer Guide Rail Assembly**

Box Handling



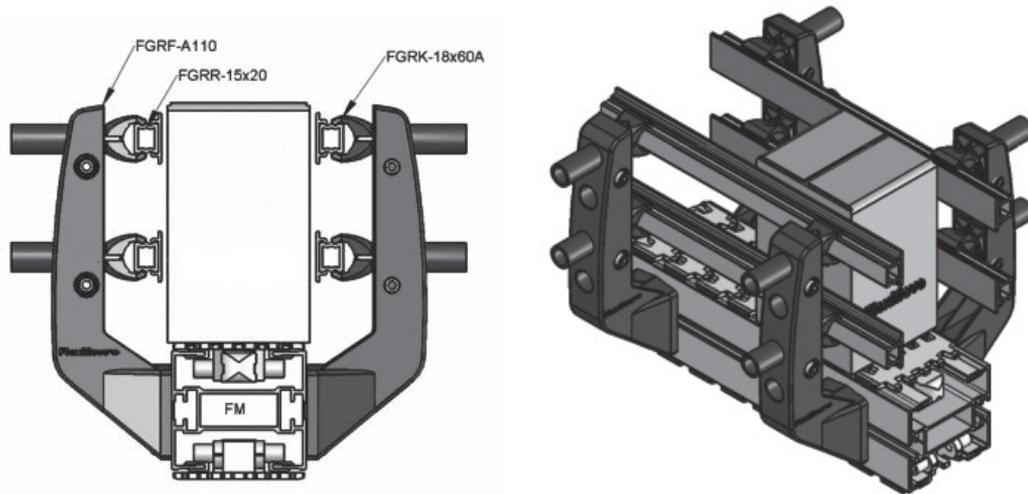
## Extra Bottom Guide Rail Assembly

Carton Box Handling



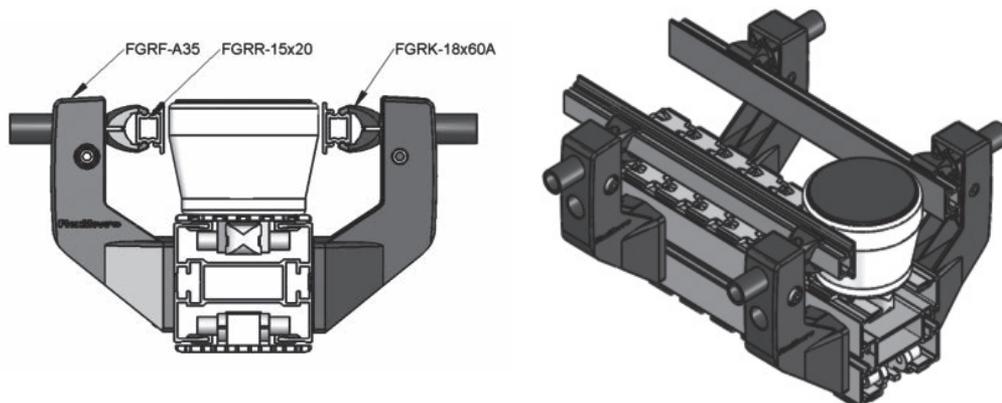
## Width Adjustment Guide Rail Assembly

Packaging Box Handling



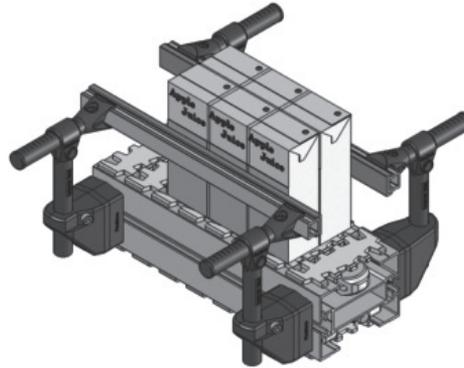
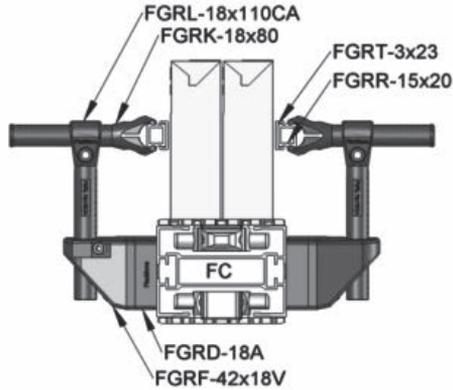
## Width Adjustment Guide Rail Assembly

Container Handling



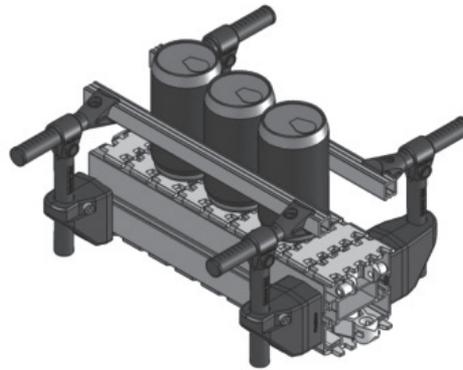
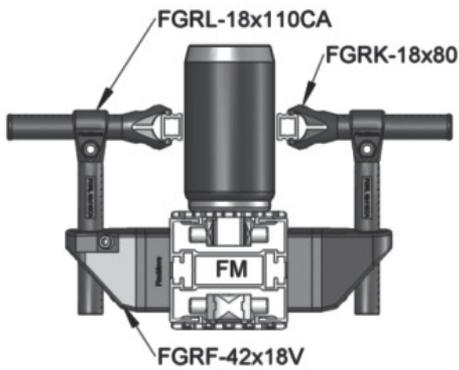
### Width & Height Adjustable Guide Rail Assembly

### Box Handling



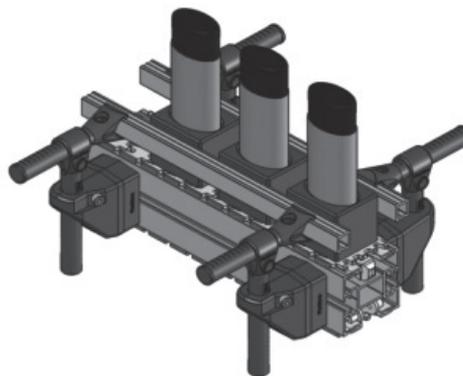
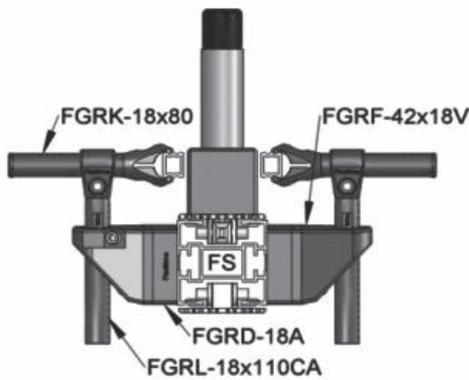
### Width & Height Adjustable Guide Rail Assembly

### Cans Handling



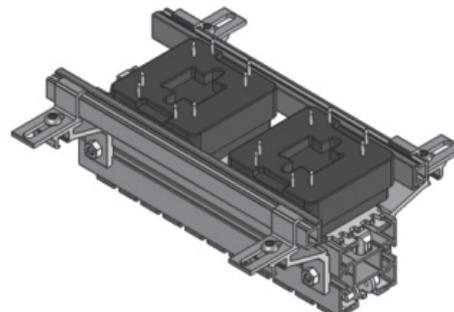
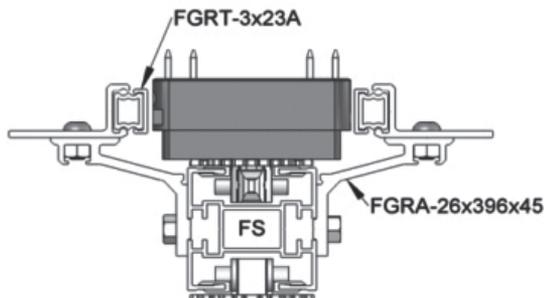
### Width & Height Adjustable Guide Rail Assembly

### Pucks Handling



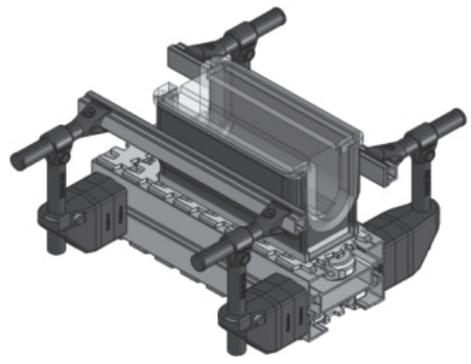
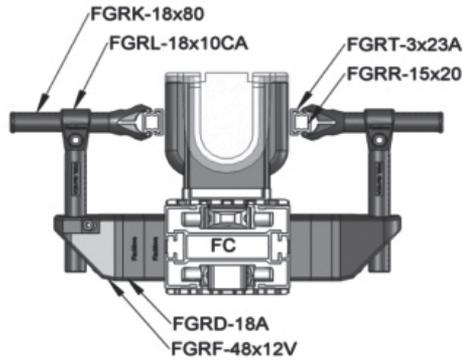
### Pallet Assembly Line Guide Rail

### Electronic Assembly Handling



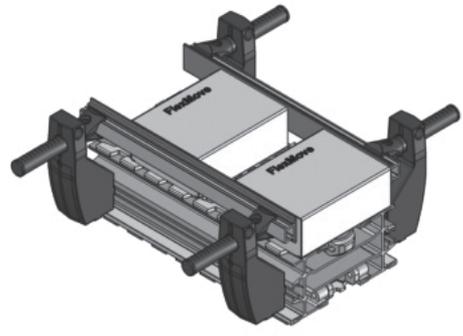
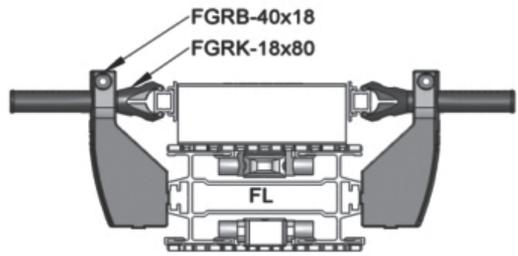
Cassette Guide Rail Assembly

Disc Drive Cassette Handling



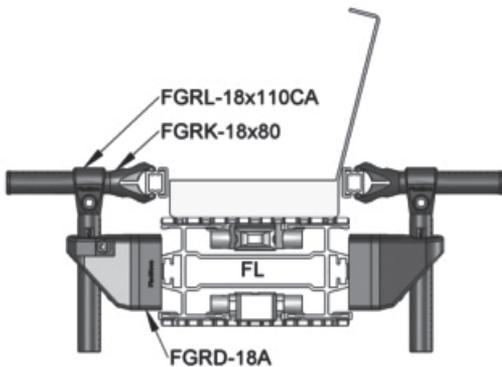
Width Adjustable Guide Rail Assembly

Box Handling



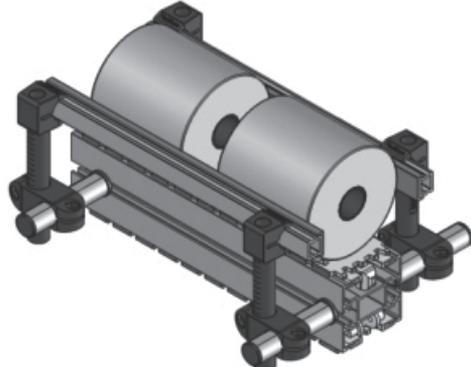
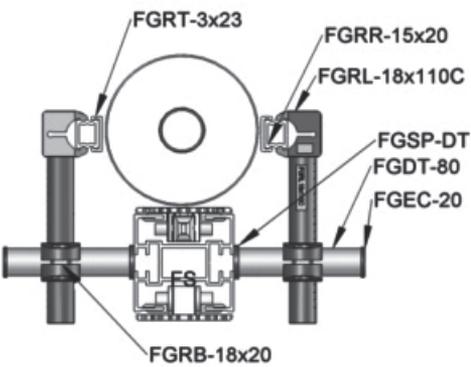
Width & Height Adjustable Guide Rail Assembly

Packaging Box Handling



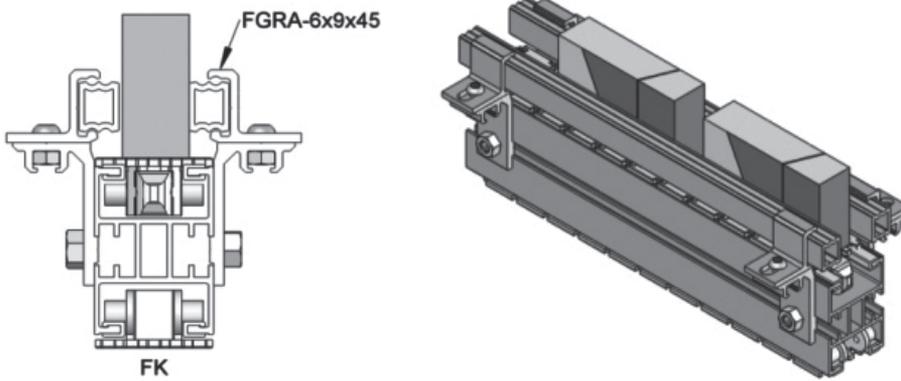
Width & Height Guide Rail Assembly

Paper Converting Handling



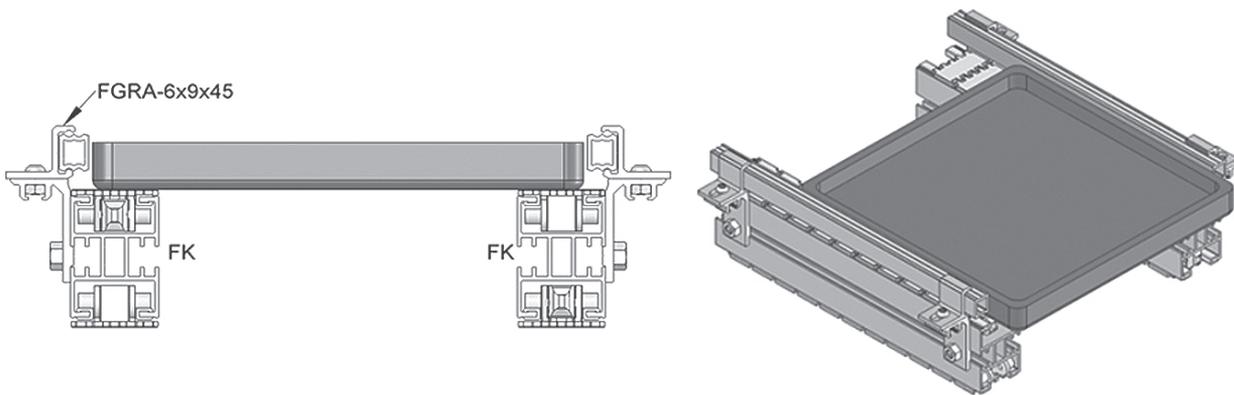
### Small Box Guide Rail Assembly

Small Box Handling



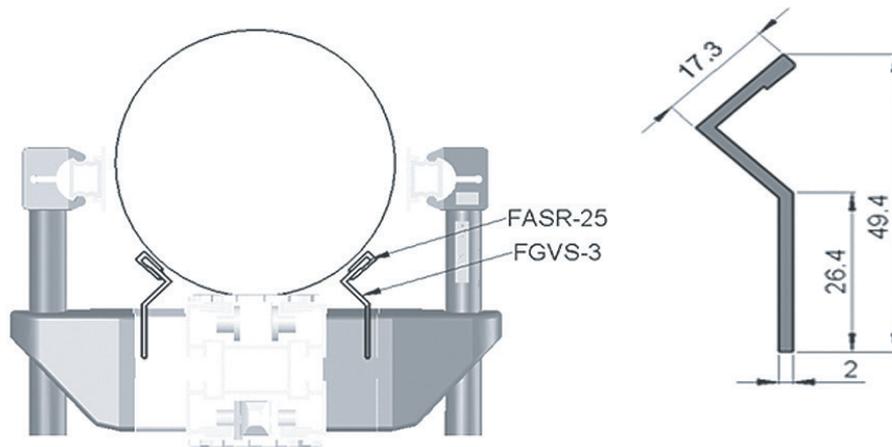
### Twin Track Pallet Guide Rail Assembly

Pallet Handling



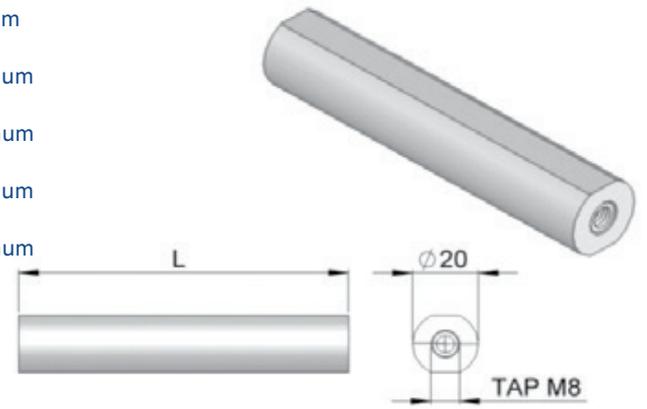
### FGRR-FGVG-3

Special V Guide - Aluminum



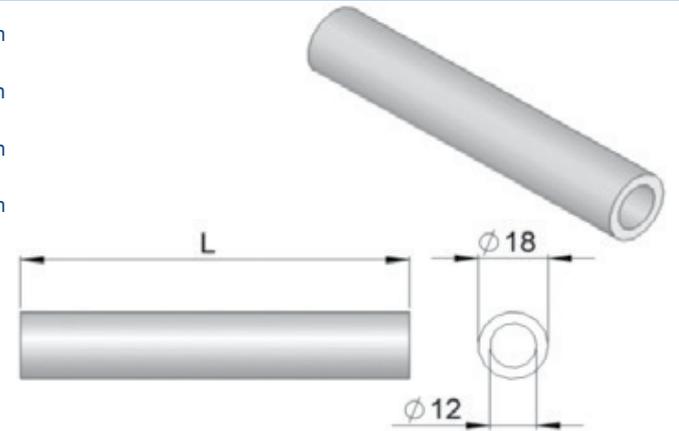
UOM: 3 meter / length

<b>FGDT-70</b>	Distance Tube, L = 70 mm - Aluminum
<b>FGDT-80</b>	Distance Tube, L = 80 mm - Aluminum
<b>FGDT-100</b>	Distance Tube, L = 100 mm - Aluminum
<b>FGDT-150</b>	Distance Tube, L = 150 mm - Aluminum
<b>FGDT-200</b>	Distance Tube, L = 200 mm - Aluminum
<b>FGDT-250</b>	Distance Tube, L = 250 mm - Aluminum



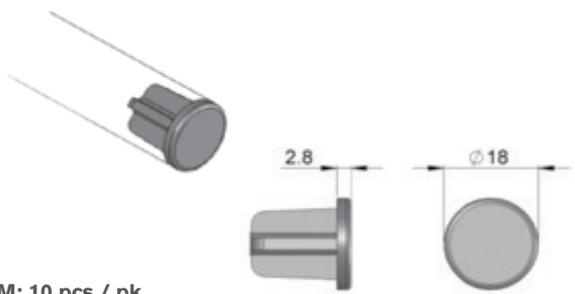
UOM: 10 pcs / pk

<b>FGGR-18X100</b>	18mm Tube, L = 100 mm - Aluminum
<b>FGGR-18X150</b>	18mm Tube, L = 150 mm - Aluminum
<b>FGGR-18X200</b>	18mm Tube, L = 200 mm - Aluminum
<b>FGGR-18X250</b>	18mm Tube, L = 250 mm - Aluminum
<b>FGGR-18X300</b>	18mm Tube, L = 300 mm - Aluminum

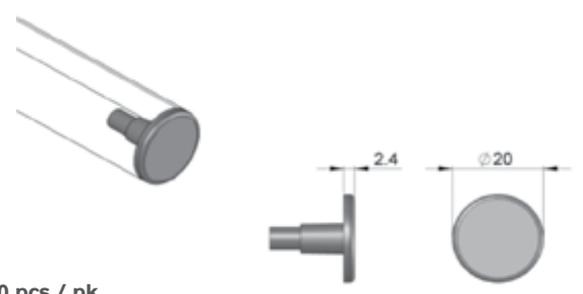


UOM: 10 pcs / pk

<b>FGEC-18</b>	End cap. 18 mm Tube - Polyamide	<b>FGEC-20</b>	End cap , Distance Tube - Polyamide
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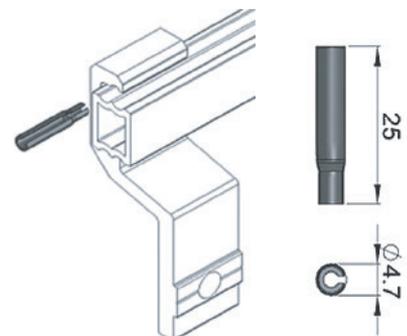


UOM: 10 pcs / pk

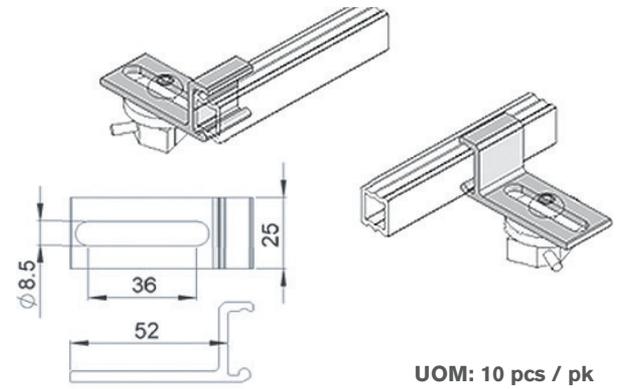


UOM: 10 pcs / pk

<b>FGAP-25</b>	Spring Pin - Steel	<b>FGRA-26x39x45A</b>	Bracket for sensor - Aluminum
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UOM: 50pcs / pk

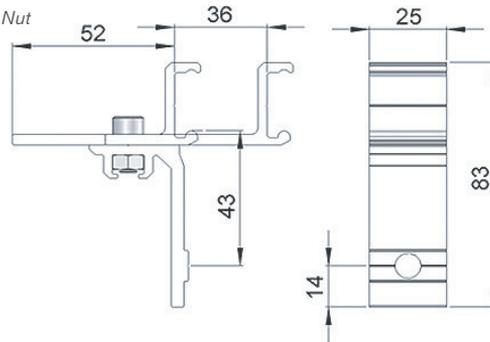
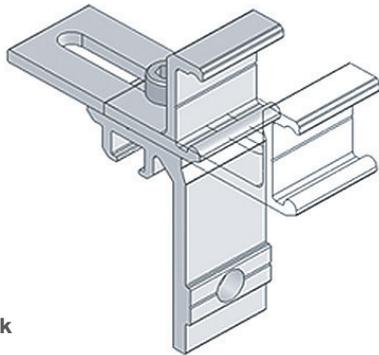


UOM: 10 pcs / pk

### FGRA-8x39x45

#### Adjustable Guide Rail Bracket - Aluminum

*Including spring pin, M6 screw & Nut*

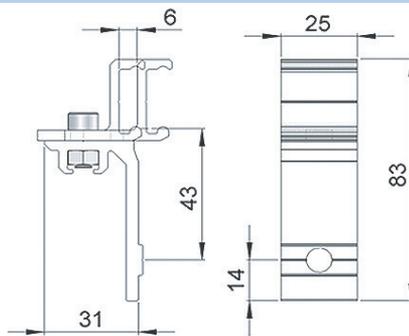


**UOM: 10 pcs / pk**

Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

### FGRA-8x9x45

#### Adjustable Guide Rail Bracket - Aluminum



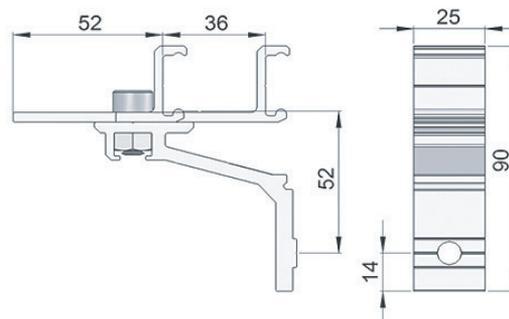
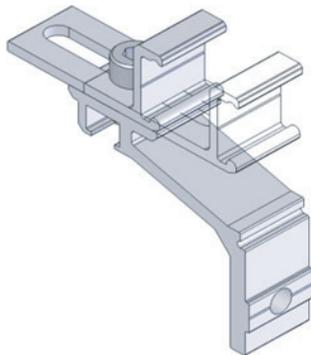
**UOM: 10 pcs / pk**

Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

### FGRA-26x39x45

#### Adjustable Guide Rail Bracket - Aluminum

*Including spring pin, M8 screw & nut*



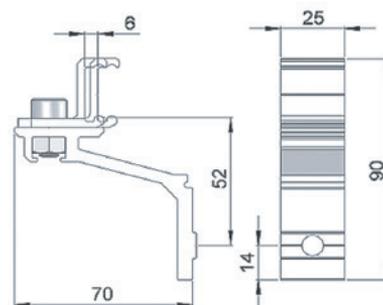
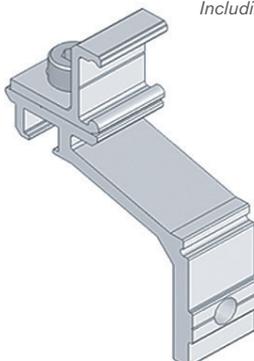
**UOM: 10 pcs / pk**

Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

### FGRA-26x9x45

#### Adjustable Guide Rail Bracket - Aluminum

*Including spring pin, M8 screw & nut*

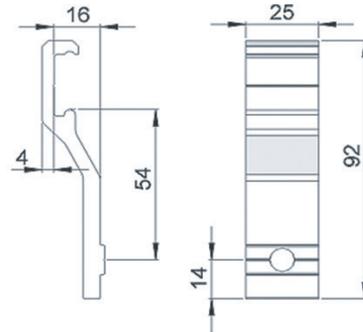
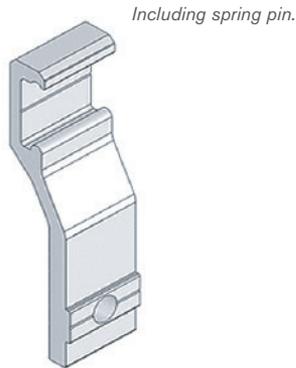


**UOM: 10 pcs / pk**

Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

## FGRB-16x54

### Fixed Guide Rail Bracket - Aluminum

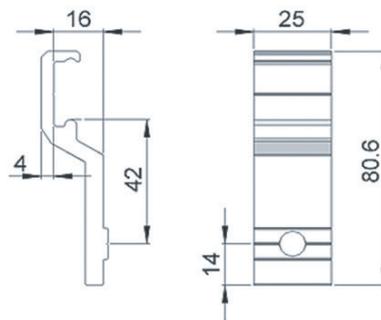
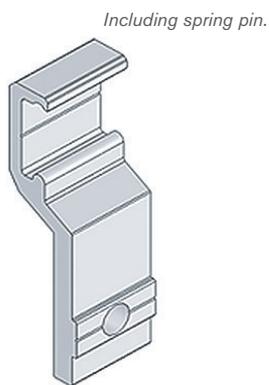


UOM: 10 pcs / pk

Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

## FGRB-16x42

### Fixed Guide Rail Bracket - Aluminum

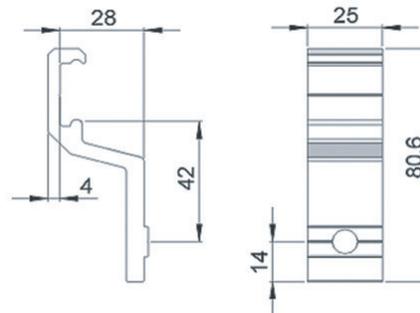
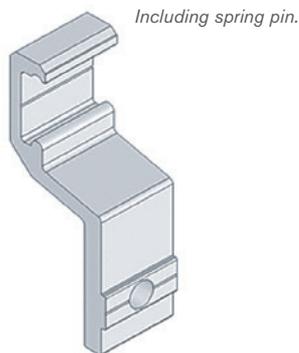


UOM: 10 pcs / pk

Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

## FGRB-28x42

### Fixed Guide Rail Bracket - Aluminum

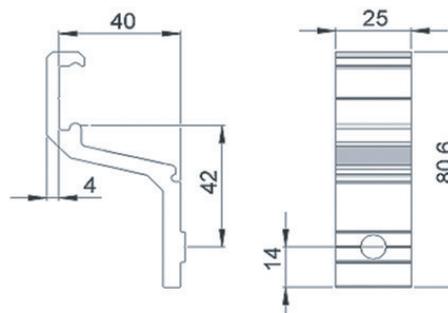
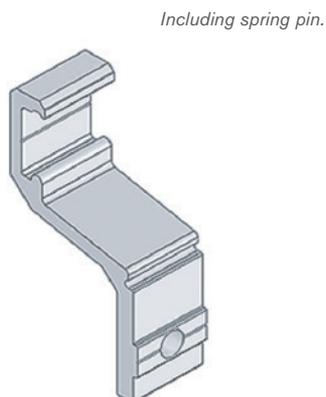


UOM: 10 pcs / pk

Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

## FGRB-40x42

### Fixed Guide Rail Bracket - Aluminum

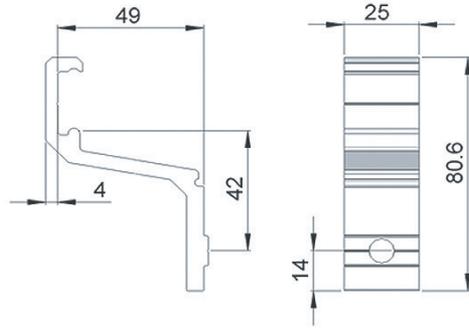
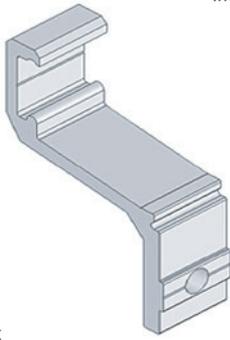


UOM: 10 pcs / pk

Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

**FGRB-49x42** Fixed Guide Rail Bracket - Aluminum

Including spring pin.

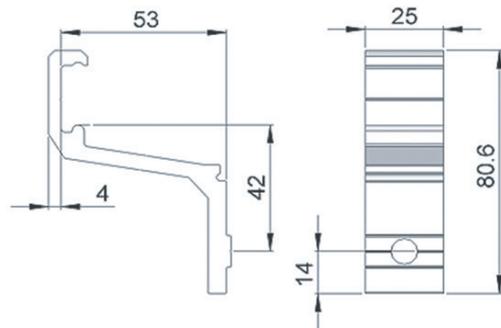
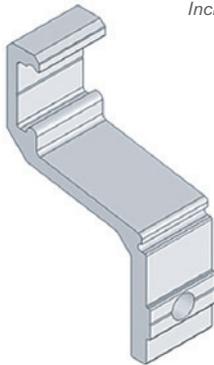


Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

UOM: 10 pcs / pk

**FGRB-53x42** Fixed Guide Rail Bracket - Aluminum

Including spring pin.

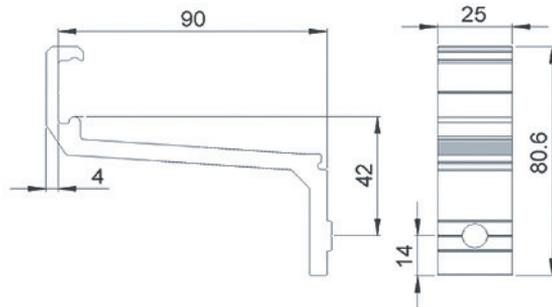
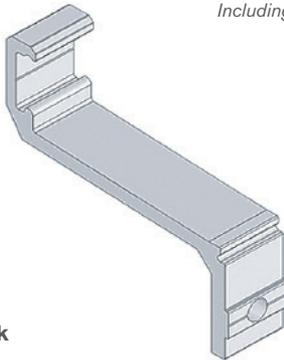


Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

UOM: 10 pcs / pk

**FGRB-90x42** Fixed Guide Rail Bracket - Aluminum

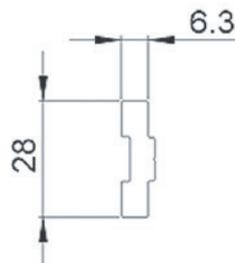
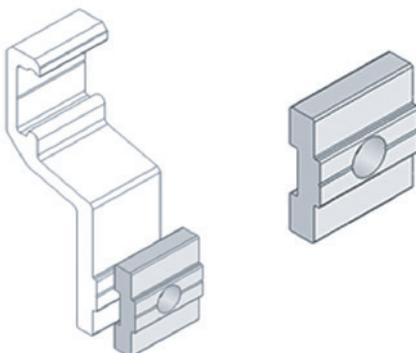
Including spring pin.



Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

UOM: 10 pcs / pk

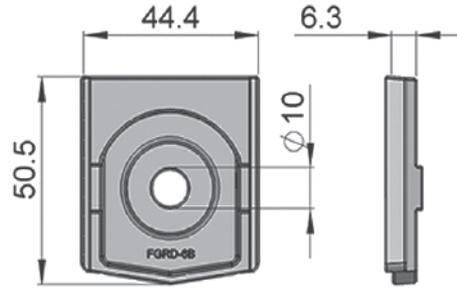
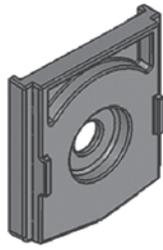
**FGRD-6** Guide Rail Bracket Spacer - Aluminum



UOM: 10 pcs / pk

## FGRD-6B

Spacer for FGRB-40x ## - Polyamide (## = Diameter in mm)

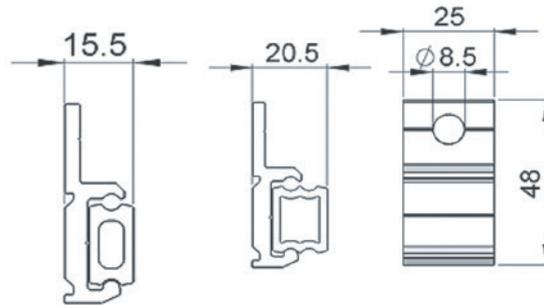
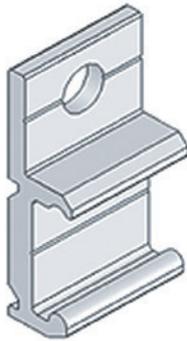


UOM: 10 pcs / pk

For use with guide rail bracket support:  
 FGRB - 40 x 18 / 20  
 FGRB - 40 x 15 x 20

## FGRC-20

Guide Rail Support - Aluminum

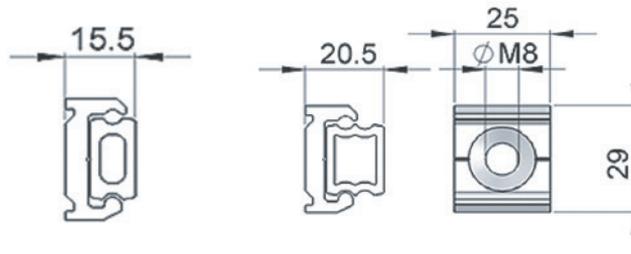
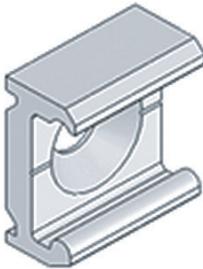


UOM: 10 pcs / pk

Mounting: FAHB-M8 x 12 (1), FASN-M8 (1), FAFW-M8 (1)

## FGRC-20A

Guide Rail Support - Aluminum

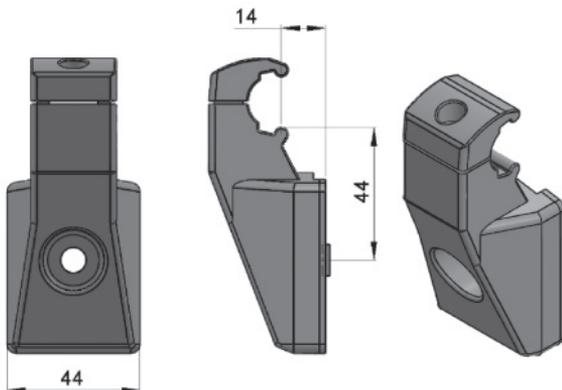


UOM: 10 pcs / pk

Mounting: C'SUNK M8 x 12

## FGRB-16x42C

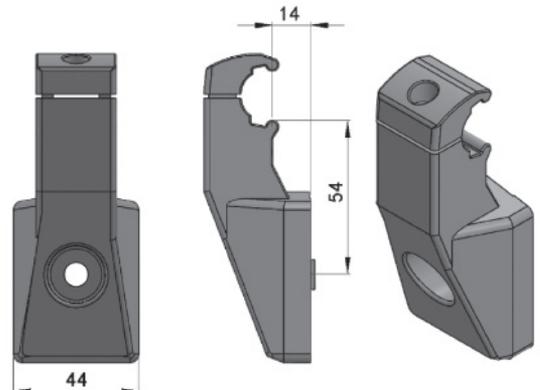
Guide Rail Bracket - Polyamide



UOM: 10pcs / pk

## FGRB-16x52C

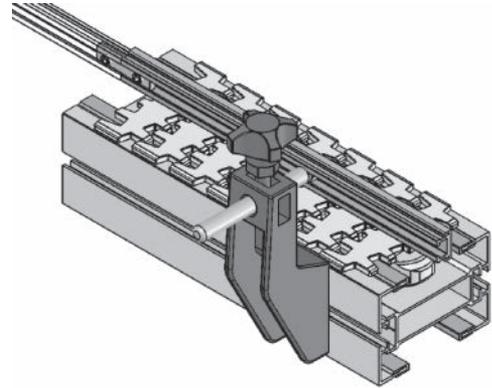
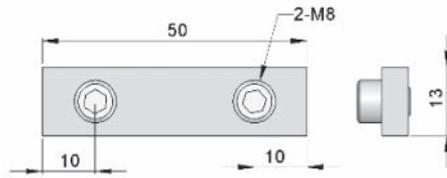
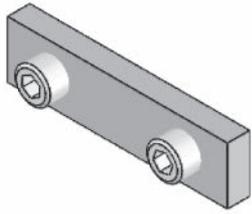
Guide Rail Bracket - Polyamide



UOM: 10pcs / pk

## FGCS-13x50

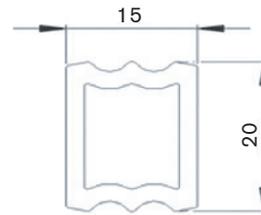
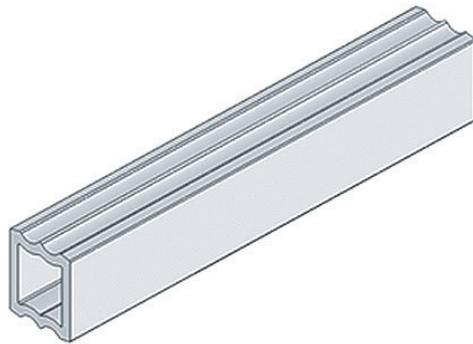
Connecting Strip for FGRR-12x20 - Steel, electro zinc plated



UOM: 10pcs / pk

## FGRR-15x20

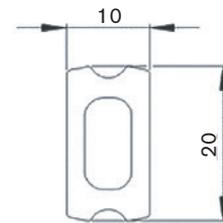
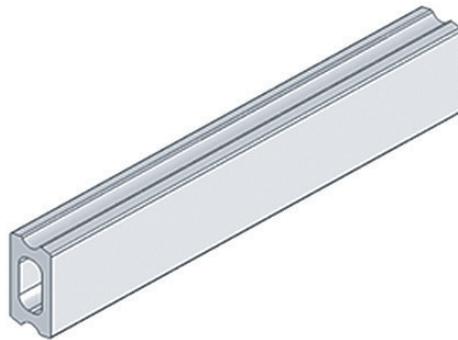
Guide Rail Rectangular, 15mm x 20 mm - Aluminum



UOM: 3 meter / length

## FGRR-10x20

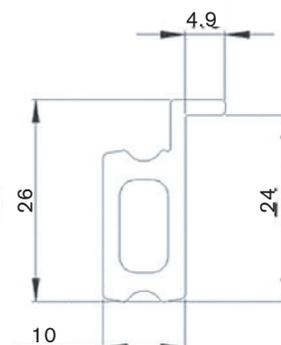
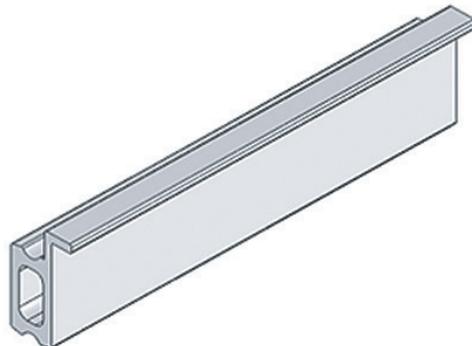
Guide Rail Rectangular, 10 mm x 20 mm - Aluminum



UOM: 3 meter / length

## FGRR-10x20F

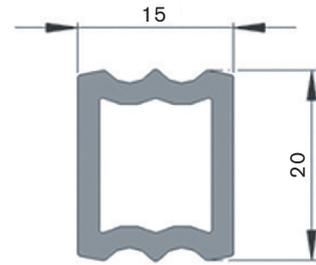
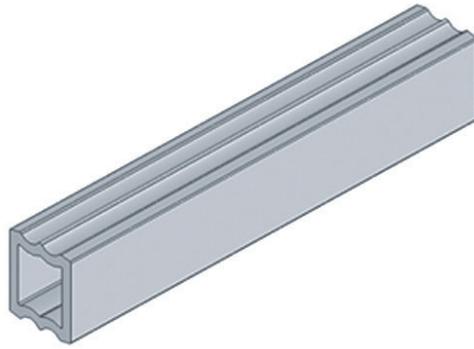
Guide Rail Rectangular, 10 mm x 20 mm Type F - Aluminum



UOM: 3 meter / length

**FGRR-15X20P**

Guide Rail Rectangular, 15mm x 20 mm – HDPE



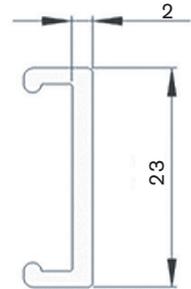
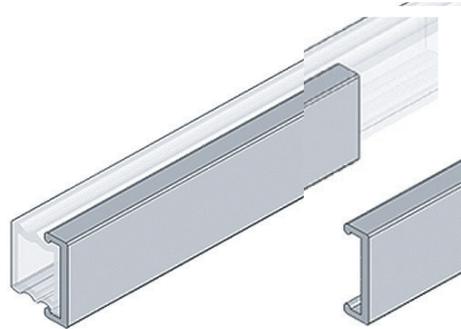
UOM: 3 meter / length

**FGRT-3x23**

Guide Rail Cover - HDPE

**FGRT-3x23A**

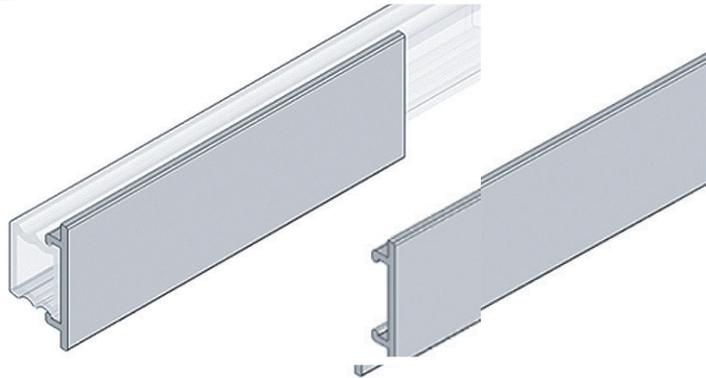
Guide Rail Cover – HDPE ( Conductive )



UOM: 3 meter / length

**FGRT-3x33**

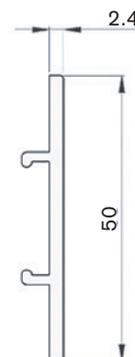
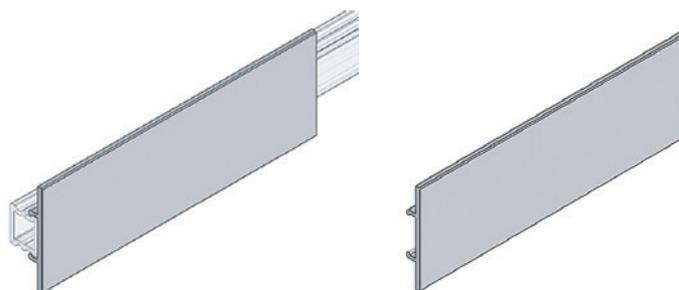
Guide Rail Cover - HDPE



UOM: 3 meter / length

**FGRT-3x50**

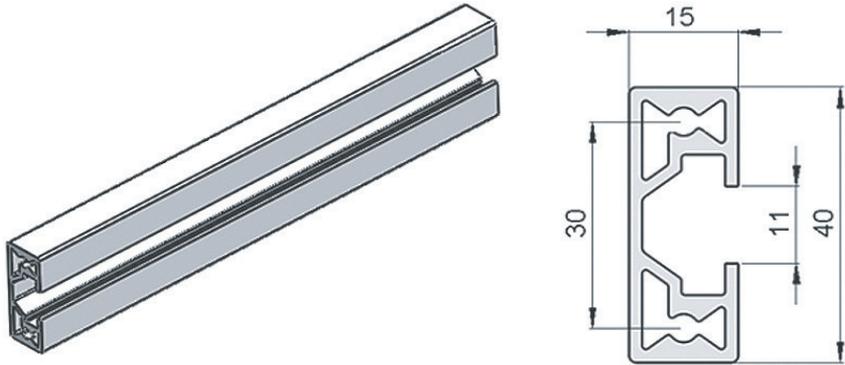
Guide Rail Cover - HDPE



UOM: 3 meter / length

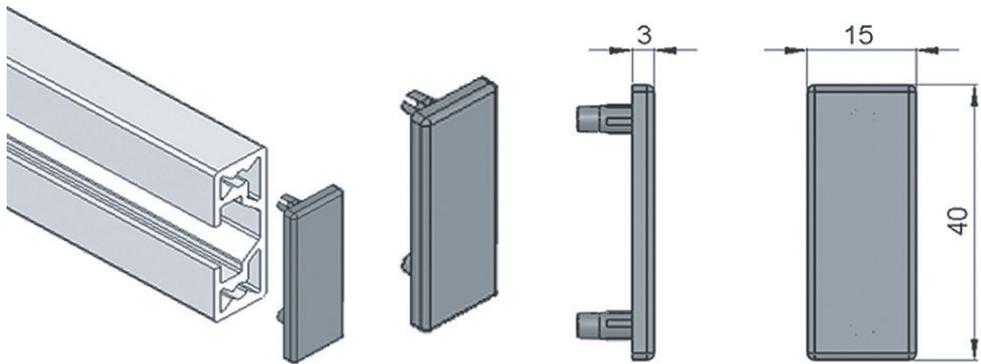
**FGRR-15x40** Guide Rail Rectangular, 15mm x 40 mm – Aluminum

UOM: 3 meter / length



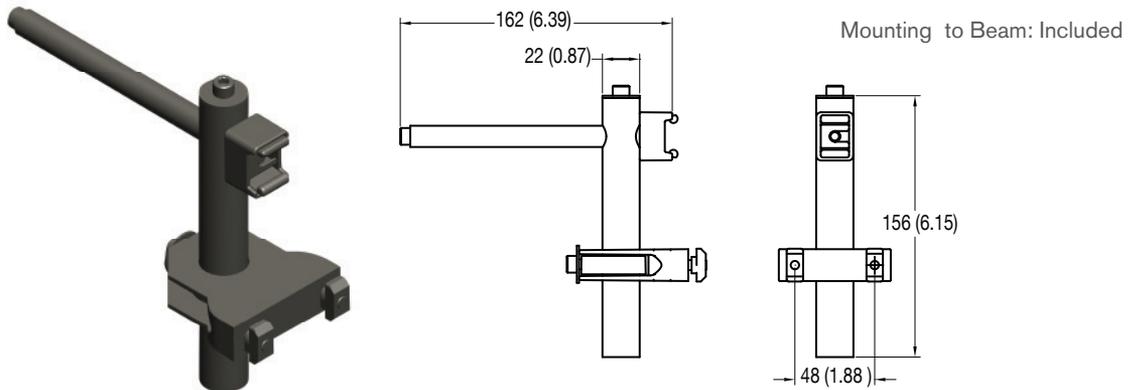
**FGEC-15x40** End Cap for FGRR-15x40 - Polyamide

UOM: 10pcs / pk



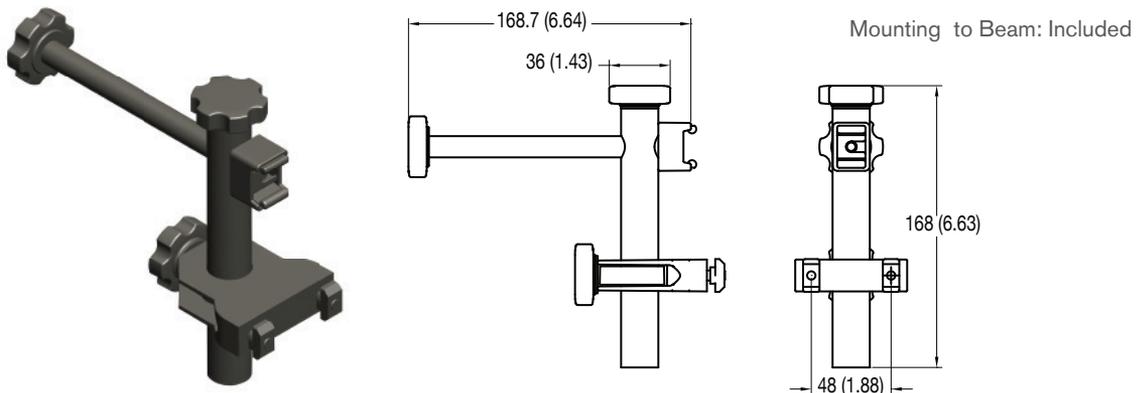
**FGRA-22HD** Guide Rail Support Assembly, Heavy Duty

UOM: pc

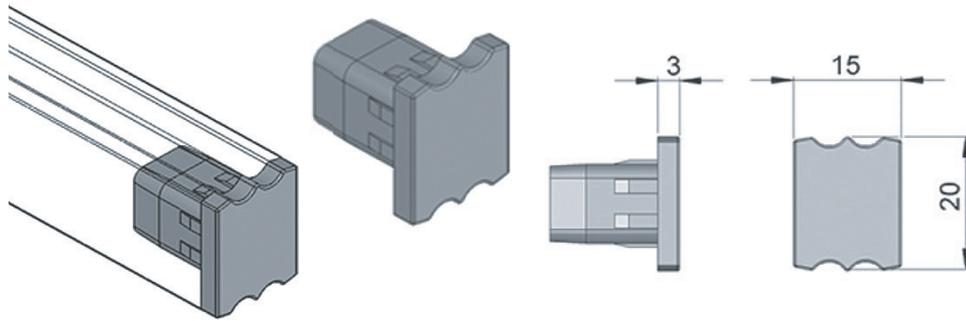


**FGRA-22HDT** Guide Rail Support Assembly, Toolless, Heavy Duty

UOM: pc



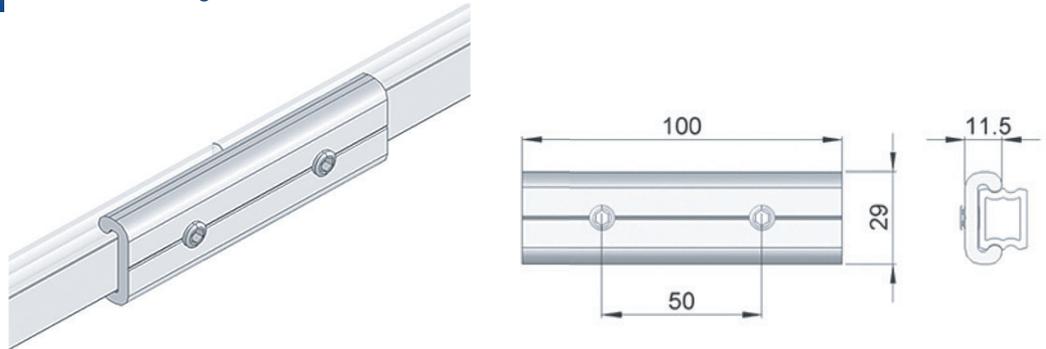
**FGEC-15x20** End Cap for FGRR-15x20 - Polyamide



UOM: 10pcs / pk

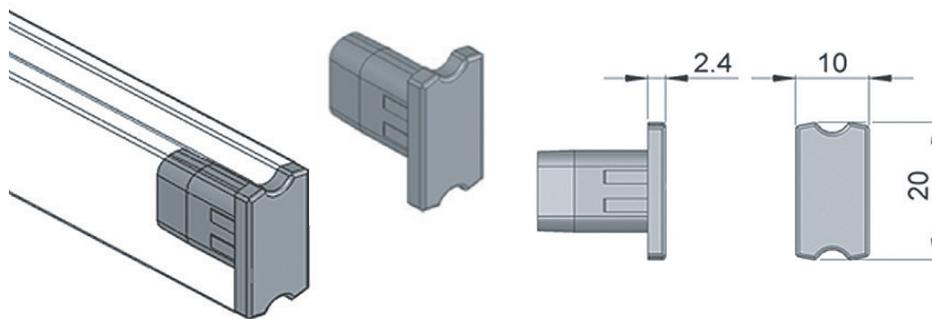
**FGRC-100** Rail Connecting – Aluminum L = 100 mm , B = 50 mm

**FGRC-60** Rail Connecting – Aluminum L = 60 mm , B = 30 mm



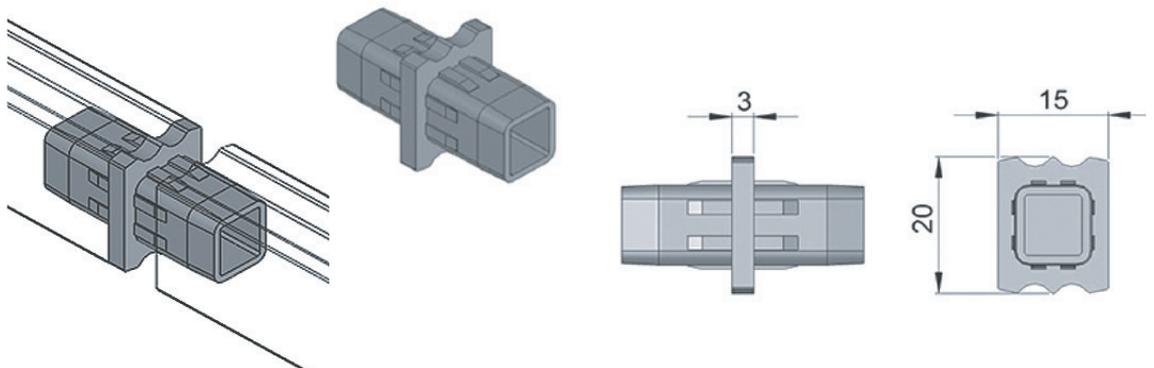
UOM: 10pcs / pk

**FGEC-10x20** End Cap for FGRR-10x20 & FGRR10x20F - Polyamide



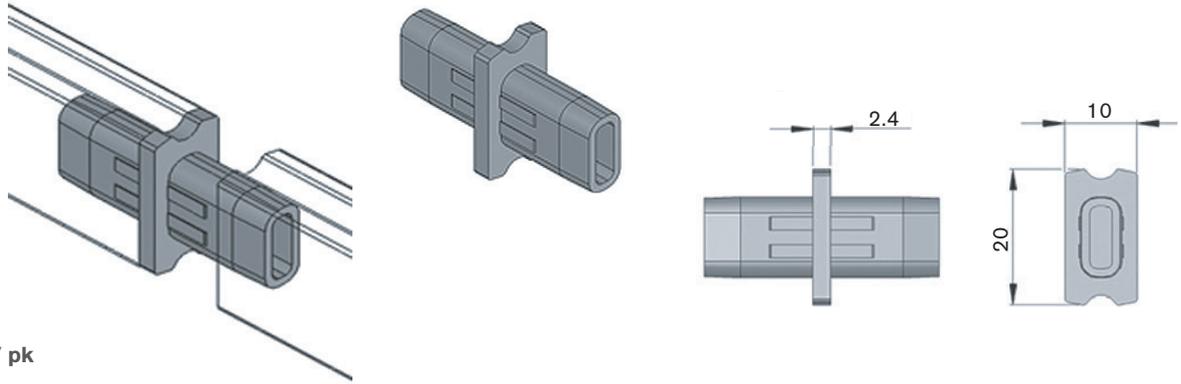
UOM: 10pcs / pk

**FGRJ-15x20** Connecting Plug for FGRR-15x20 - Polyamide



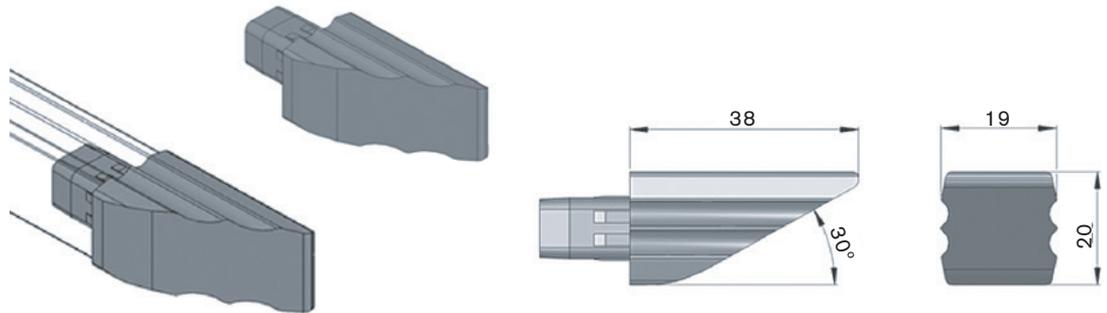
UOM: 10pcs / pk

**FGRJ-10x20** Connecting Plug for FGRR-10x20 & FGRR-10x20F - Polyamide



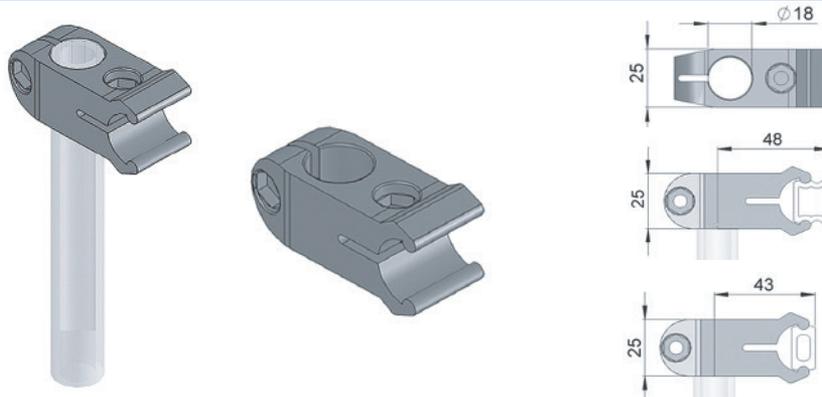
UOM: 10pcs / pk

**FGEC-30D** 30° End Cap for FGRR-15x20 - Polyamide



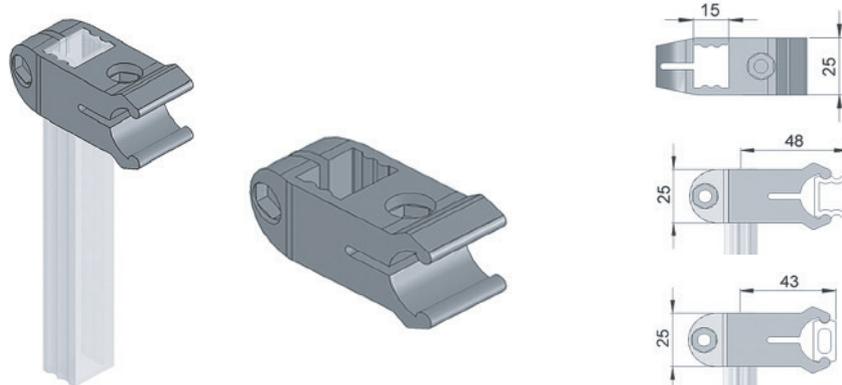
UOM: 10pcs / pk

**FGRS-18** Guide Rail Support - Polyamide



UOM: 10pcs / pk

**FGRS-15x20** Guide Rail Support - Polyamide



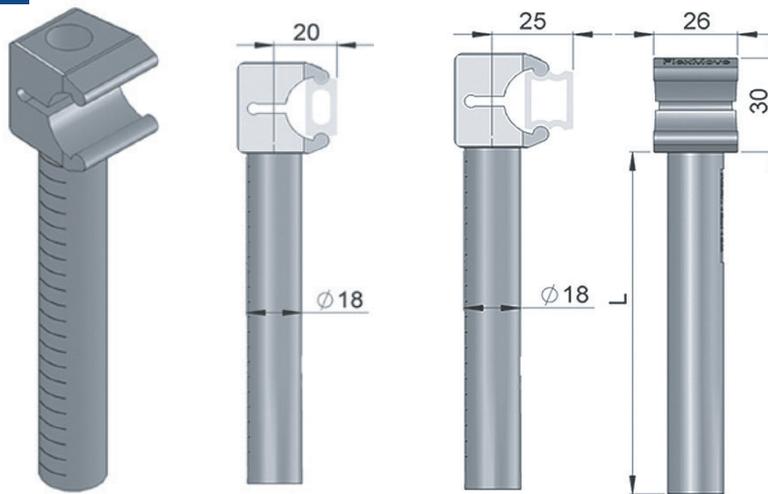
UOM: 10pcs / pk

**FGRL-18x110C**

Guide Rail Support, L = 110 mm - Polyamide

**FGRL-18x160C**

Guide Rail Support, L = 160 mm - Polyamide



**UOM: 10pcs / pk**

Note:  
Plastic guide supports  
used for light products.

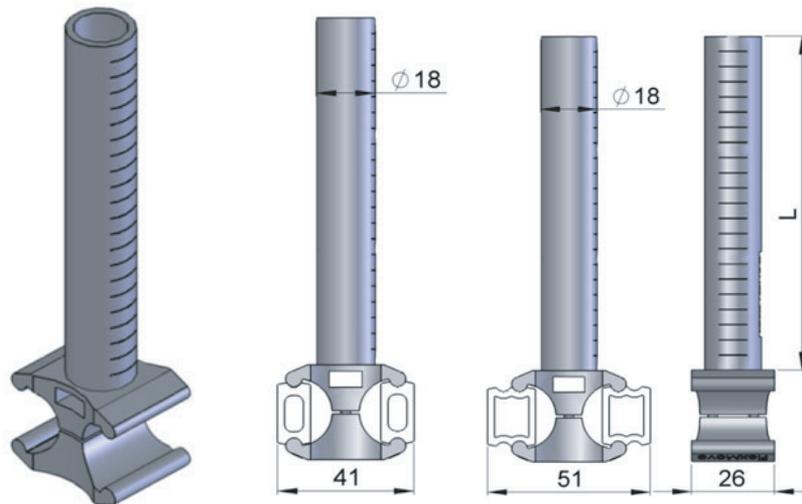
To be used directly with guide rail  
bracket support FGRL-42 x 18V  
or FGRL-18 x 20

**FGRC-18x110C**

Double Guide Rail Support, L = 110 mm - Polyamide

**FGRC-18x160C**

Double Guide Rail Support, L = 160 mm - Polyamide

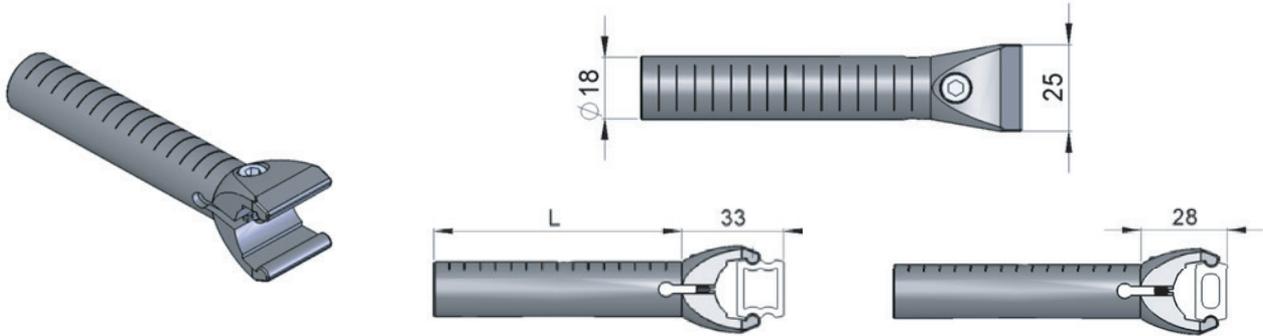


**UOM: 10pcs / pk**

Note:  
Plastic guide supports  
used for light products.

Suitable for use with cross  
connector FGRC-18 x 18 and  
a crossing 18 mm aluminum  
tube above the double track.

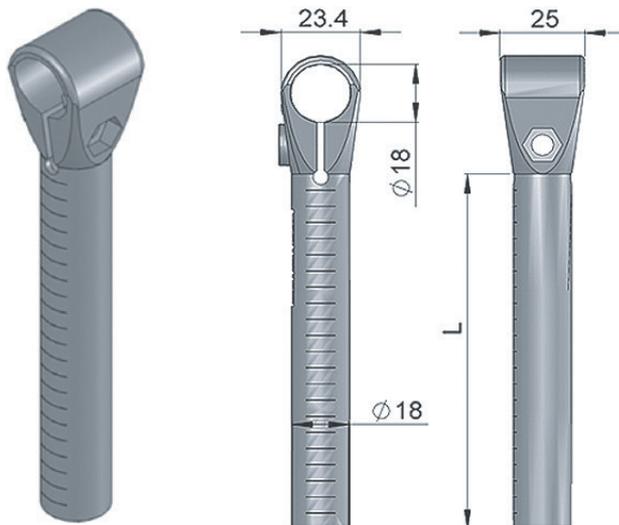
<b>FGRK-18x40A</b>	Guide Rail Support, L = 40 mm - Polyamide
<b>FGRK-18x60A</b>	Guide Rail Support, L = 60 mm - Polyamide
<b>FGRK-18x80A</b>	Guide Rail Support, L = 80 mm - Polyamide
<b>FGRK-18x130A</b>	Guide Rail Support, L = 130 mm - Polyamide



**UOM: 10pcs / pk**

Suitable for use with cross connector FGRB-18 x18 and FGRF – 42 x 18V

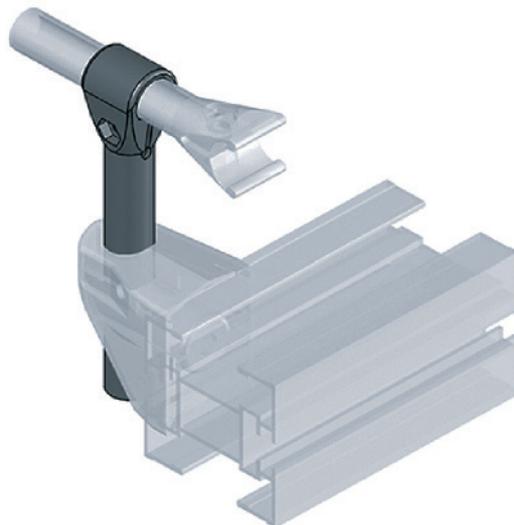
<b>FGRL-18x110CA</b>	Guide Rail Support, L = 110 mm - Polyamide
<b>FGRL-18x160CA</b>	Guide Rail Support, L = 160 mm - Polyamide



**UOM: 10pcs / pk**

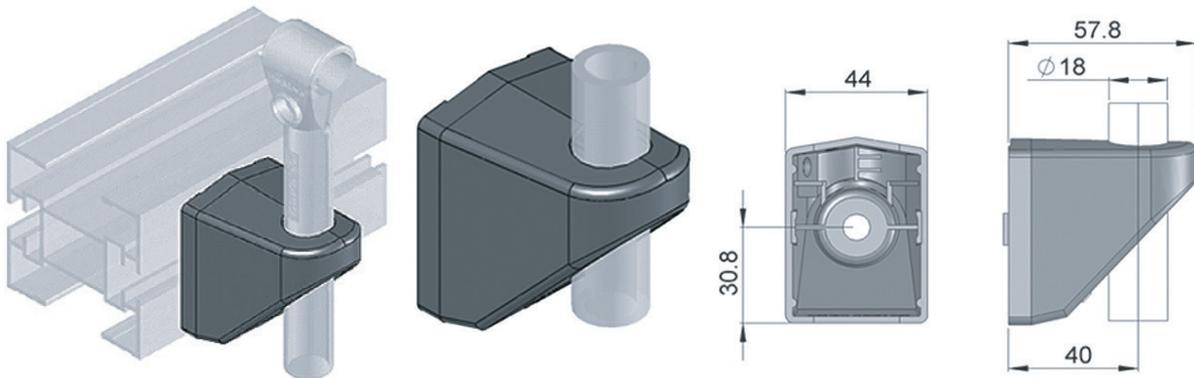
Note:  
Plastic guide supports  
used for light products.

Suitable for use with cross connector FGRK –  
18 x 80 / 130 / 40A / 60A / 80A / 130A



## FGRF-42x18V

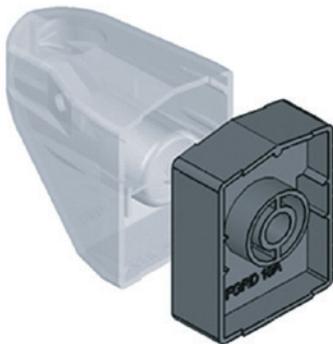
## Guide Rail Bracket – Polyamide



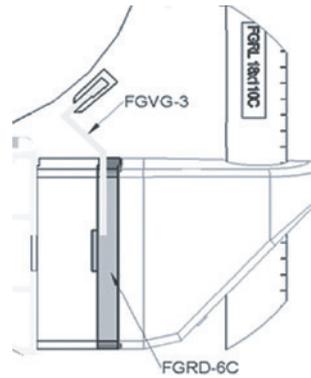
**UOM: 10pcs / pk**

To be used with :

- FGGR - 18 x \* 100
- FGRL - 18 x 110C / 160C
- FGRC - 18 x 110C / 160C

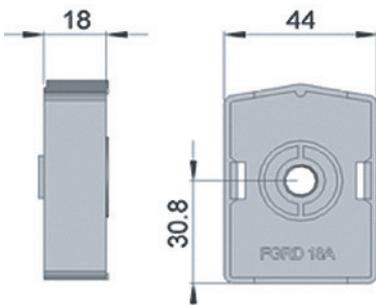


For use with guide rail bracket support FGRF -42 x 18V



### FGRD-18A

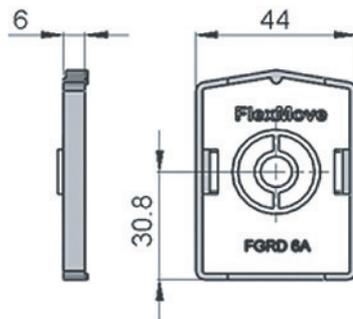
Spacer for FGRF-42x18V - Polyamide



**UOM: 10pcs / pk**

### FGRD-6A

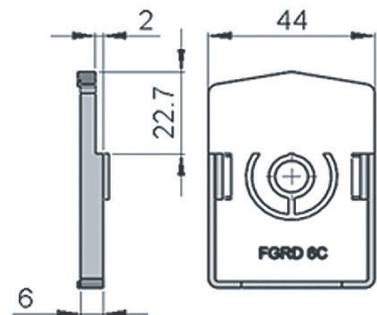
Spacer for FGRF-42x18V - Polyamide



**UOM: 10pcs / pk**

### FGRD-6C

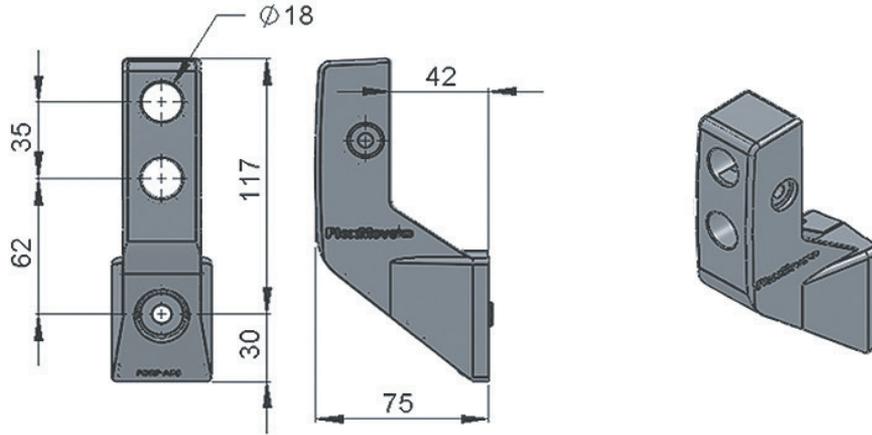
Spacer for FGRF-42x18V - Polyamide



**UOM: 10pcs / pk**

**FGRF-A35**

**Guide Rail Bracket A35 – Polyamide**

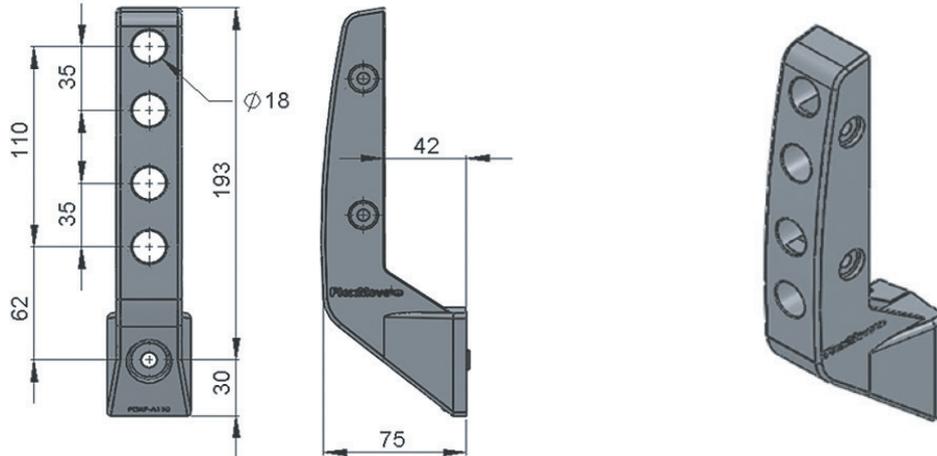


**UOM: 10pcs / pk**

To be used with guide rail support. For 1-2 guide rail levels.

**FGRF-A110**

**Guide Rail Bracket A110 – Polyamide**

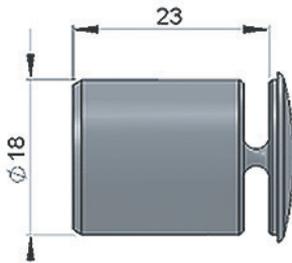


**UOM: 10pcs / pk**

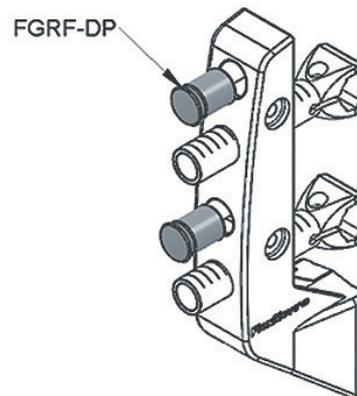
To be used with guide rail support. For 1-4 guide rail levels.

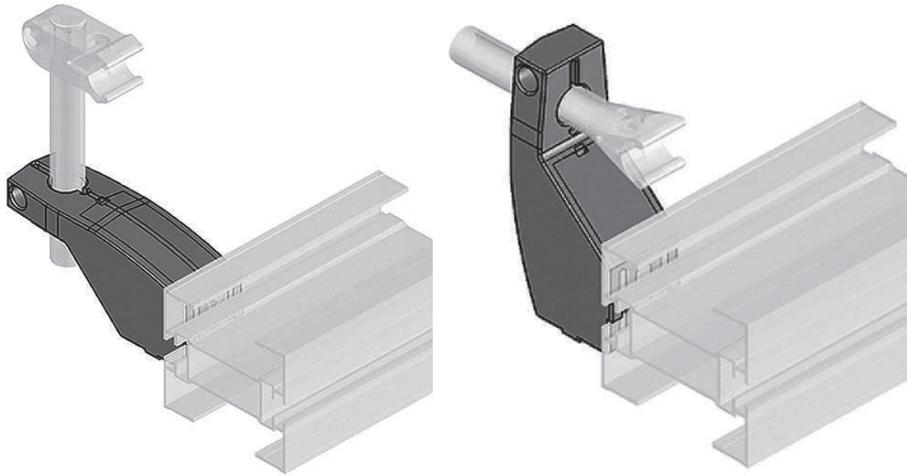
**FGRF-DP**

**FGRF Dummy Plug**



**UOM: 10pcs / pk**



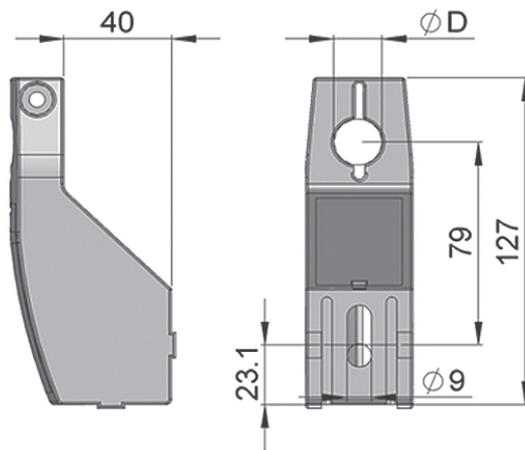
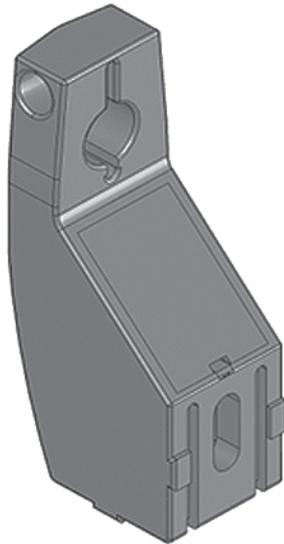


**FGRB-40x18**

Guide Rail Bracket, D = 18 mm - Polyamide

**FGRB-40x20**

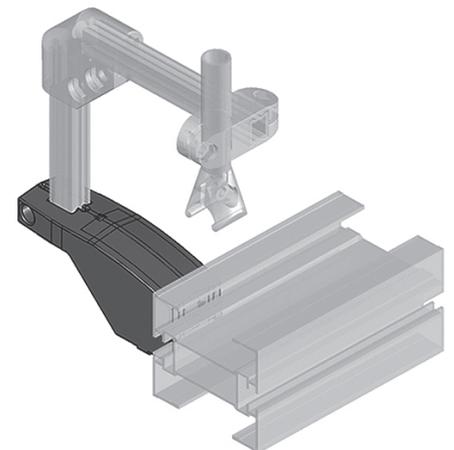
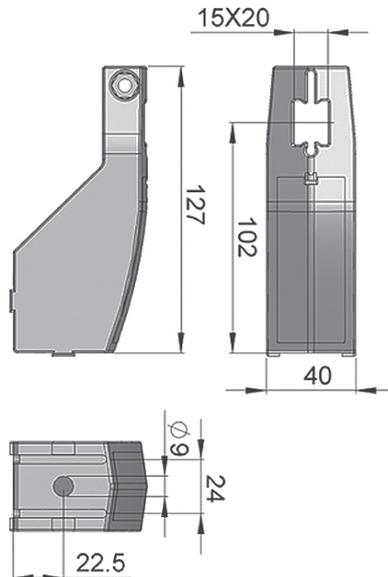
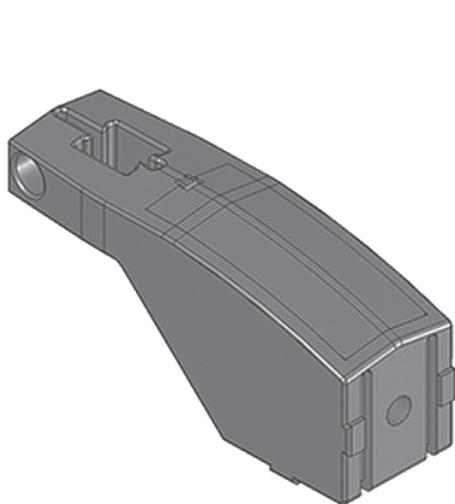
Guide Rail Bracket, D = 20 mm - Polyamide



UOM: 10pcs / pk

**FGRB-40x15x20**

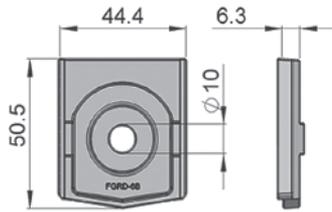
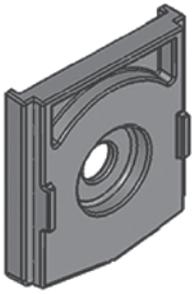
Guide Rail Bracket - Polyamide



UOM: 10pcs / pk

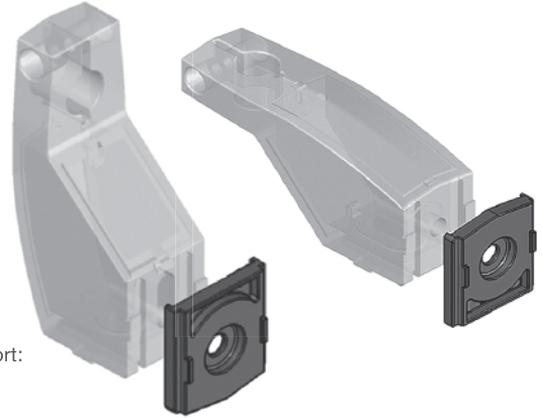
### FGRD-6B

Spacer for FGRB-40x ## - Polyamide



UOM: 10pcs / pk

For use with guide rail bracket support:  
 FGRB - 40 x 18 / 20  
 FGRB - 40 x 15 x 20



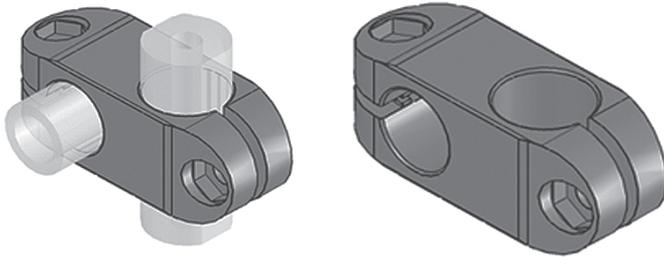
### FGRB-18x18

Guide Rail Bracket,  $\phi A = 18$  mm,  $\phi B = 18$  mm - Polyamide

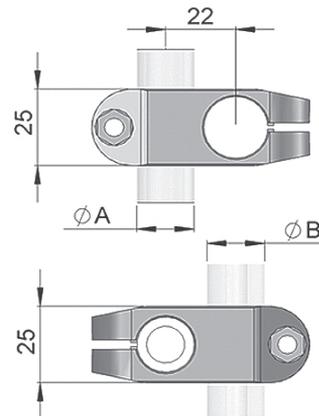
### FGRB-18x20

### FGRB-20x20

Guide Rail Bracket,  $\phi A = 20$  mm,  $\phi B = 20$  mm - Polyamide



UOM: 10pcs / pk

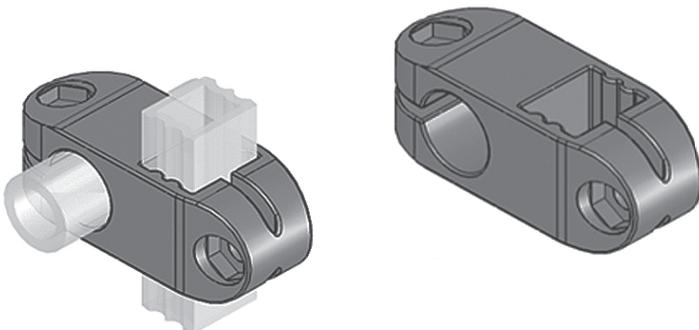


### FGRB-18x20T

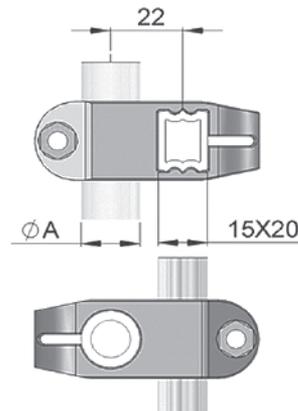
Guide Rail Bracket,  $\phi A = 18$ mm - Polyamide

### FGRB-20x20T

Guide Rail Bracket,  $\phi A = 20$  mm - Polyamide



UOM: 10pcs / pk

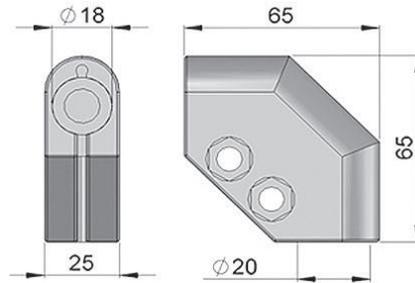


## FGRX-18x20

90° Corner Connector - Polyamide



UOM: 10pcs / pk



For use with :  
 FGGR – 18 x 100 / 150 / 200 / 250 / 300  
 FGDT – 70 / 80 / 100 / 150 / 200 / 250

## FGRX-18x18

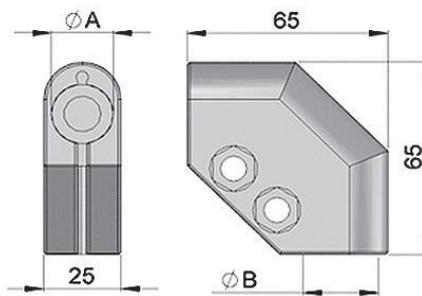
90° Corner Connector, ØA = 18mm, ØB = 18mm - Polyamide

## FGRX-20x20

90° Corner Connector, ØA = 20 mm, ØB = 20 mm - Polyamide



UOM: 10pcs / pk



For use with :  
 FGGR – 18 x 100 / 150 / 200 / 250 / 300  
 FGDT – 70 / 80 / 100 / 150 / 200 / 250

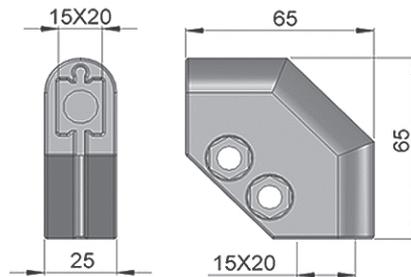
90° Corner Connector - Polyamide

## FGRX-15x20

90° Corner Connector - Polyamide



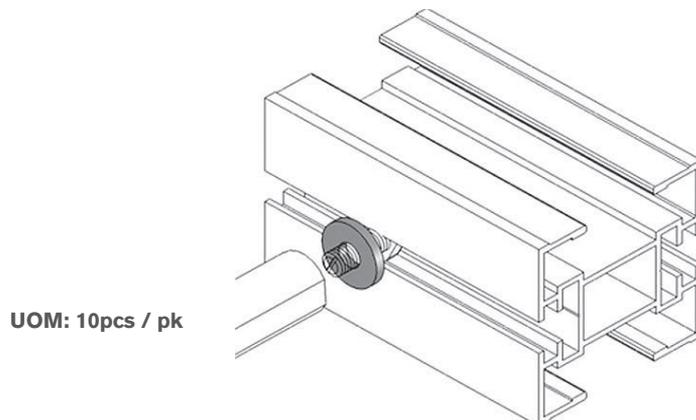
UOM: 10pcs / pk



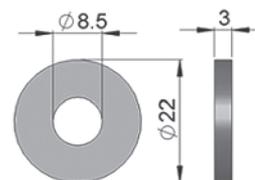
For use with : F  
 GRR – 15 x 20 / 20 P

## FGSP-DT

Distance Tube Spacer - POM

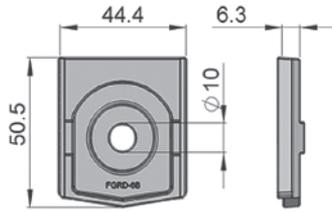
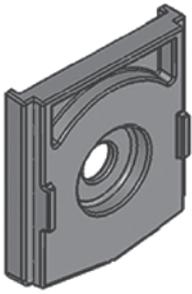


UOM: 10pcs / pk



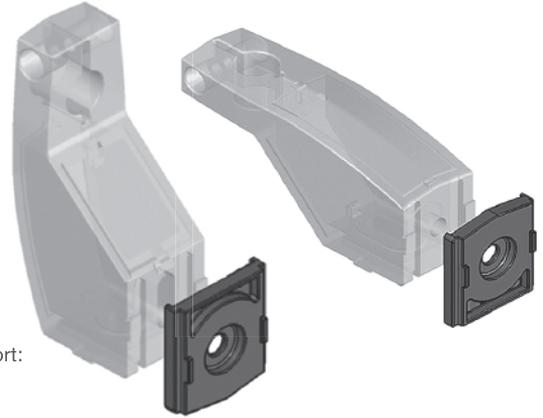
## FGRD-6B

Spacer for FGRB-40x ## - Polyamide



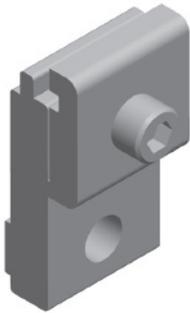
UOM: 10pcs / pk

For use with guide rail bracket support:  
 FGRB - 40 x 18 / 20  
 FGRB - 40 x 15 x 20

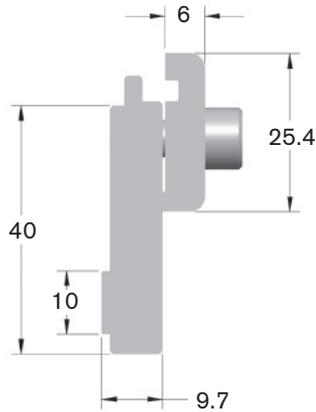


## FGRD-HS

High Side Guide Clip Assembly



UOM: 10pcs / pk

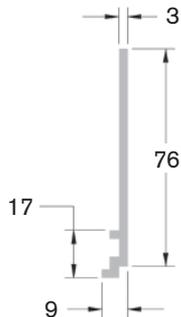
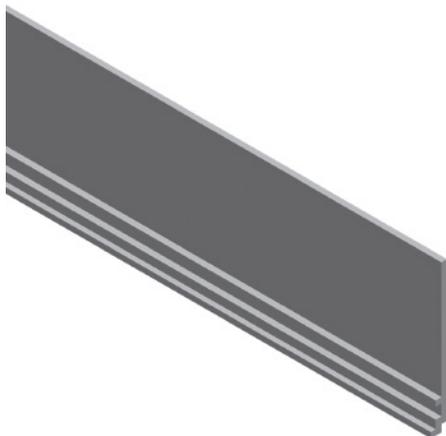


Mounting to Beam:  
 FATB-20(1)  
 FALN-M8(1)  
 FAFN-M8(1)

Available in North America only.

## FGHS-70

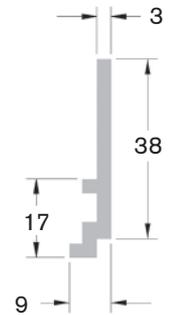
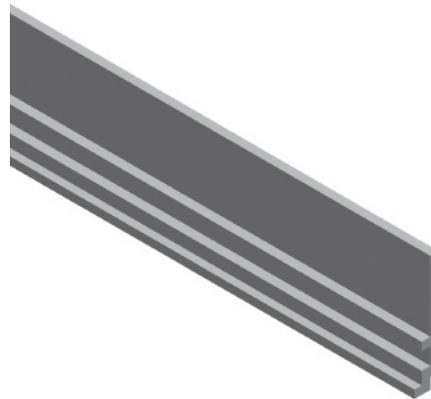
Guide Rail, 70 mm High Side - Aluminum



UOM: 3 meter/length

## FGHS-30

Guide Rail, 30 mm High Side - Aluminum



UOM: 3 meter/length

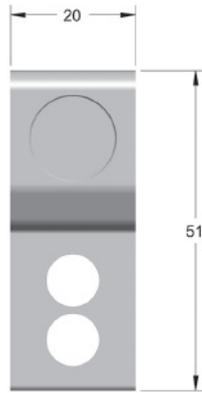
Available in North America only.

**FGRB-PG**

Pallet Guide Mounting Clip Assembly

**UOM: 10pcs / pk**

Available in North America only.



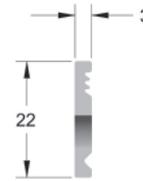
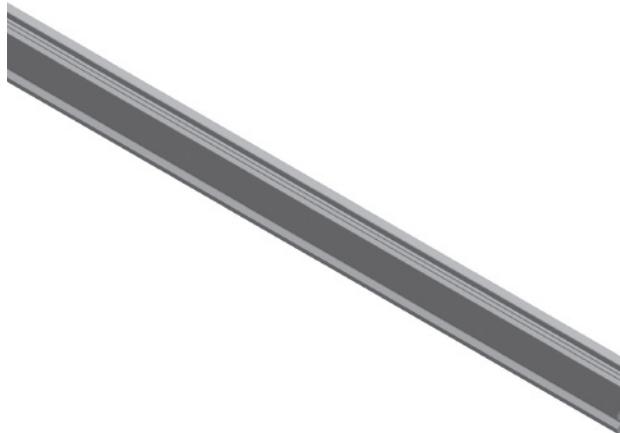
Mounting to Beam:  
 FATB-20(1)  
 FALN-M8(1)  
 FAFN-M8(1)

**FGPG-A**

Pallet Guide Backing Rail - Aluminum

**UOM: 3 meter/length**

Available in North America only.

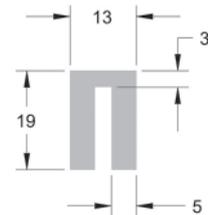
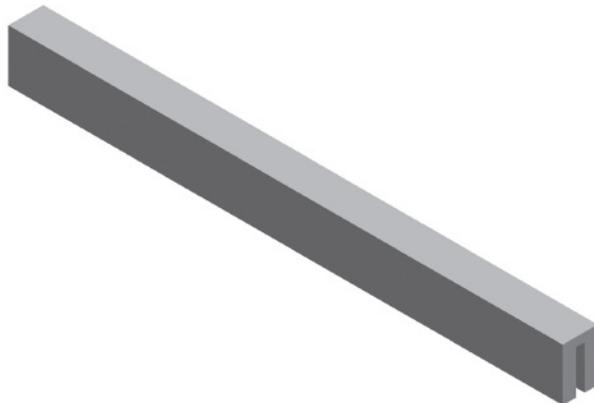


**FGPG-U**

Pallet Guide UHMW Guide

**UOM: 3 meter/length**

Available in North America only.



**Direct Drive, Standard Load, Fixed Speed - 3/4 inch Shaft**

**Chart 6** 90° eDrive® NEMA C-Face

- Sealed gearmotors
- NEMA 56 C face
- Totally enclosed, fan cooled
- 115V 1 phase includes switch, cord and overload protection
- 208-230/460V 3 phase wiring by others
- 60 Hz
- Order 3 phase starter separately, see page 213

Regulatory Approvals: CE, RoHS, UL, SP

Part Number	Belt Speed						RPM	1 Phase			3 Phase			in.-lbs.	Nm	Starter Chart
	65 mm		85 mm		105 and 150 mm			Hp	kW	FLA	Hp	kW	FLA			
	Ft/min	M/min	Ft/min	M/min	Ft/min	M/min										
32M060ES4(vp)FN	39	12	39	12	41	12	29	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	226	25.5	M
32M040ES4(vp)FN	57	17	57	17	60	18	43	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	247	27.9	M
32M020ES4(vp)FN	115	35	115	35	120	37	86	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	248	27.9	M

(vp) = Voltage and Phase 11 = 115V, 1 phase 23 = 208 - 230 / 460V, 3 phase

Available in North America only.

**Direct Drive, Standard Load, Variable Speed - 3/4 inch Shaft**

**Chart 10** 90° eDrive® NEMA C-Face VFD Rated

- Variable frequency drive, 6 - 60 Hz
- Sealed gearmotor
- NEMA 56 C Face
- Totally enclosed, fan cooled
- 230/460 Volts, 3 Phase
- Order controller separately, see page 213

Regulatory Approvals: CE, RoHS, UL, SP

Part Number	Belt Speed						RPM*	3 Phase			in.-lbs.*	Nm*	Vari-Speed Control Chart
	65 mm		85 mm		105 and 150 mm			Hp	kW	FLA			
	Ft/min	M/min	Ft/min	M/min	Ft/min	M/min							
32M060ES423EN	9-39	2.9-121.6	9.6-38	2.9-12	10-41	3.1-12	29	0.75**	0.55	2.6 / 1.3	226	25.5	D
32M040ES423EN	14-57	4.4-17	14-57	4.3-17	15-60	4.6-18	43	0.75**	0.55	2.6 / 1.3	247	27.9	D
32M020ES423EN	92-115	8.7-35	28-113	8.6-35	30-120	9.2-37	86	0.75**	0.55	2.6 / 1.3	248	27.9	D
32M010ES423EN	58-231	18-70	57-228	17-70	60-242	18-74	173	0.75**	0.55	2.6 / 1.3	156	17.6	D

\* = At 60 Hz \*\* = Motor is de-rated to 0.5 Hp (2.2 / 1.1 amp) for full torque throughout the speed range.

Available in North America only.

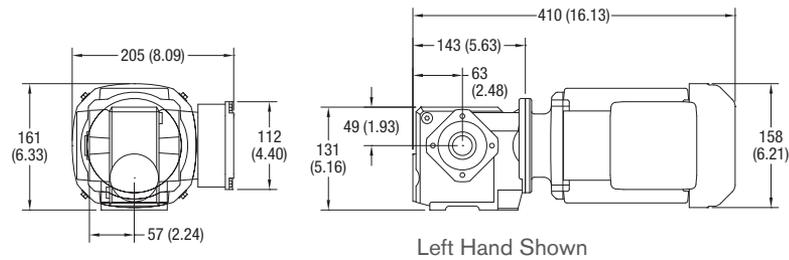
**CE Note:** When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

**FLA = Full Load Amperes** Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. **Note:** Dimensions = mm (in)

## Direct Mount, SEW Equivalent, Fixed Speed - 20 mm Shaft

### 230/460 V 60 Hz

- Sealed Gearmotor
- SEW SA37 Size gearmotor
- Totally enclosed fan cooled
- 230/460 V 3 Phase
- 60 Hz
- Wiring by others



Regulatory Approvals

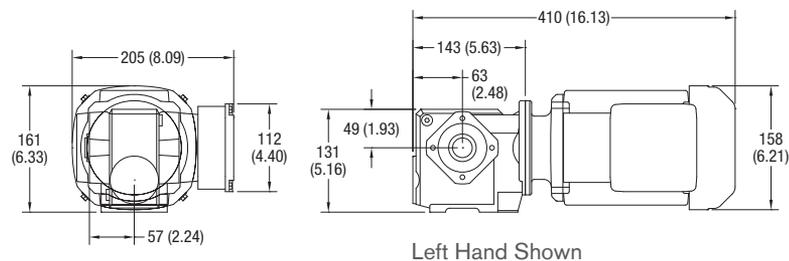


Part Number	Chain Speed				RPM	Hp	kW	Amps	in.-lbs.	Nm	Starter Chart
	FK, FS, FM, FU, FV		FC, FL								
	Ft/min	M/min	Ft/min	M/min							
FMM129(X)DS423EN	17.1	5.2	18	5.5	13	0.25	0.18	1.1/0.56	837	95	D
FMM067(X)DS423EN	32.8	10	34.8	10.6	25	0.5	0.37	1.9/0.95	699	79	D
FMM032(X)DS423EN	69.9	21.3	73.8	22.5	53	0.75	0.55	2.7/1.35	653	74	D
FMM015(X)DS423EN	150.3	45.8	158.5	48.3	114	0.75	0.55	2.7/1.35	341	39	D
FMM013(X)DS423EN	171.3	52.2	180.8	55.1	130	1	0.75	3.1/1.57	425	48	D
FMM010(X)DS423EN	225.4	68.7	237.9	72.5	171	1.5	1.1	4.2/2.1	490	56	D

Where (X) is L or R for Right Hand or Left Hand Gearmotor matching RH or LH Drive

### 230/400 V 50 Hz

- Sealed Gearmotor
- SEW SA37 Size gearmotor
- Totally enclosed fan cooled
- 230/400 V 3 Phase
- 50 Hz
- Wiring by others



Regulatory Approvals



Part Number	Chain Speed				RPM	Hp	kW	Amps	in.-lbs.	Nm	Starter Chart
	FK, FS, FM, FU, FV		FC, FL								
	Ft/min	M/min	Ft/min	M/min							
FMZ099(X)DS423EN	17.1	5.2	18	5.5	13	0.33	0.25	1.3/0.76	628	71	B
FMZ060(X)DS423EN	30.2	9.2	31.8	9.7	23	0.5	0.37	1.9/1.09	717	81	B
FMZ029(X)DS423EN	63.3	19.3	66.6	20.3	48	0.75	0.55	2.6/1.52	478	54	B
FMZ013(X)DS423EN	137.1	41.8	144.7	44.1	104	1	0.75	3.1/1.79	363	41	B
FMZ009(X)DS423EN	205.7	62.7	213.9	66.1	156	1.5	1.1	4.1/2.38	336	38	B
FMZ007(X)DS423EN	284.8	86.8	300.5	91.60	216	2	1.5	5.6/3.23	372	42	B

Where (X) is L or R for Right Hand or Left Hand Gearmotor matching RH or LH Drive

SEW gearmotors are products of SEW Eurodrive

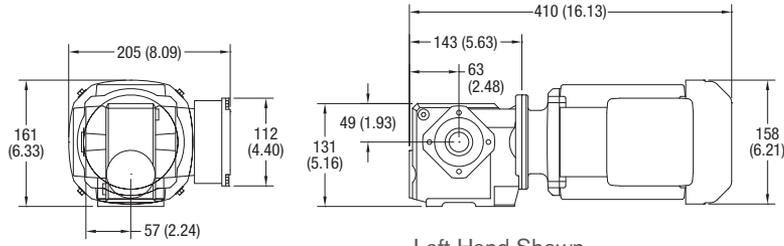
**CE Note:** When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

**FLA = Full Load Amperes** Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. **Note:** Dimensions = mm (in)

**Direct Mount, SEW Equivalent, Variable Speed - 20 mm Shaft**

**230/460 V 60 Hz**

- Sealed Gearmotor
- SEW SA37 Size gearmotor
- Totally enclosed fan cooled
- 230/460 V 3 Phase
- 60 Hz
- Wiring by others



**Regulatory Approvals**

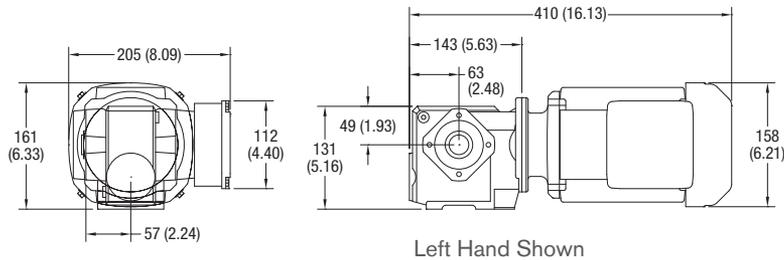


Part Number	Chain Speed				RPM	Hp	kW	Amps	in.-lbs.	Nm	Starter Chart
	FK, FS, FM, FU, FV		FC, FL								
	Ft/min	M/min	Ft/min	M/min							
FMM129(X)DS423EN	2.9 - 17.1	0.9 - 5.2	3 - 18	0.9 - 5.5	13	0.25	0.18	1.1/0.56	837	95	D
FMM067(X)DS423EN	5.5 - 32.8	1.7 - 10	5.8 - 34.8	1.8 - 10.6	25	0.5	0.37	1.9/0.95	699	79	D
FMM032(X)DS423EN	11.7 - 69.9	3.6 - 21.3	12.3 - 73.8	3.8 - 22.5	53	0.75	0.55	2.7/1.35	653	74	D
FMM015(X)DS423EN	25.1 - 150.3	7.6 - 45.8	26.4 - 158.5	8.1 - 48.3	114	0.75	0.55	2.7/1.35	341	39	D
FMM013(X)DS423EN	28.6 - 171.3	8.7 - 52.2	30.1 - 180.8	9.2 - 55.1	130	1	0.75	3.1/1.57	425	48	D
FMM010(X)DS423EN	37.6 - 225.4	11.5 - 68.7	39.7 - 237.9	12.1 - 72.5	171	1.5	1.1	4.2/2.1	490	56	D

Where (X) is L or R for Right Hand or Left Hand Gearmotor matching RH or LH Drive

**230/400 V 50 Hz**

- Sealed Gearmotor
- SEW SA37 Size gearmotor
- Totally enclosed fan cooled
- 230/400 V 3 Phase
- 50 Hz
- Wiring by others



**Regulatory Approvals**



Part Number	Chain Speed				RPM	Hp	kW	Amps	in.-lbs.	Nm	Starter Chart
	FK, FS, FM, FU, FV		FC, FL								
	Ft/min	M/min	Ft/min	M/min							
FMZ099(X)DS423EN	3.4 - 17.1	1 - 5.2	3.6 - 18	1.1 - 5.5	13	0.33	0.25	1.3/0.76	628	71	B
FMZ060(X)DS423EN	6 - 30.2	1.8 - 9.2	6.4 - 31.8	1.9 - 9.7	23	0.5	0.37	1.9/1.09	717	81	B
FMZ029(X)DS423EN	12.7 - 63.3	3.9 - 19.3	13.3 - 66.6	4.1 - 20.3	48	0.75	0.55	2.6/1.52	478	54	B
FMZ013(X)DS423EN	27.4 - 137.1	8.4 - 41.8	28.9 - 144.7	8.8 - 44.1	104	1	0.75	3.1/1.79	363	41	B
FMZ009(X)DS423EN	41.1 - 205.7	12.5 - 62.7	43.4 - 213.9	13.2 - 66.1	156	1.5	1.1	4.1/2.38	336	38	B
FMZ007(X)DS423EN	57 - 284.8	17.4 - 86.8	60.1 - 300.5	18.3 - 91.60	216	2	1.5	5.6/3.23	372	42	B

Where (X) is L or R for Right Hand or Left Hand Gearmotor matching RH or LH Drive

SEW gearmotors are products of SEW Eurodrive

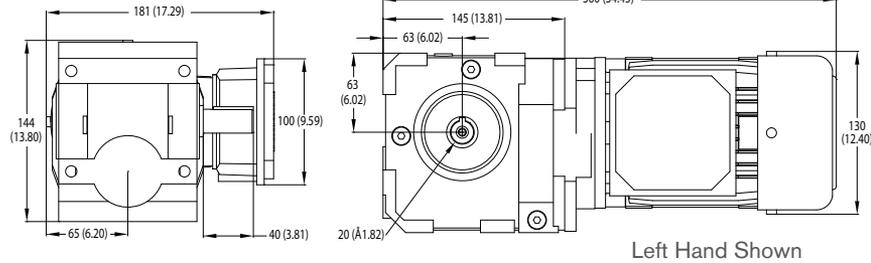
**CE Note:** When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

**FLA = Full Load Amperes** Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. **Note:** Dimensions = mm (in)

## Suspended Mount, SEW Equivalent, Fixed Speed - 20 mm Shaft

### 230/460 V 60 Hz

- Sealed Gearmotor
- SEW SA37 Size gearmotor
- Totally enclosed fan cooled
- 230/460 V 3 Phase
- 60 Hz
- Wiring by others



Regulatory Approvals

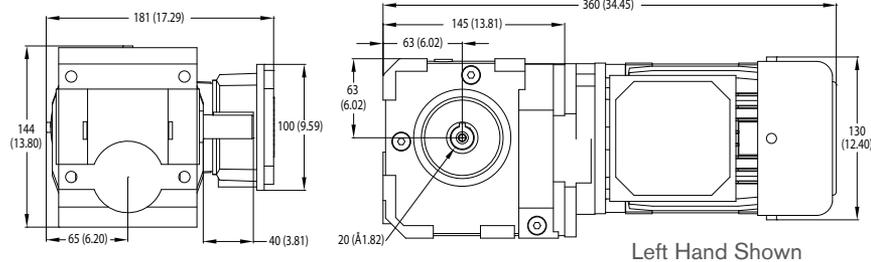


Part Number	Chain Speed				RPM	Hp	kW	Amps	in.-lbs.	Nm	Starter Chart
	FK, FS, FM, FU, FV		FC, FL								
	Ft/min	M/min	Ft/min	M/min							
FMM129(X)SS423EN	17.1	5.2	18	5.5	13	0.25	0.18	1.1/0.56	837	95	D
FMM067(X)SS423EN	32.8	10	34.8	10.6	25	0.5	0.37	1.9/0.95	699	79	D
FMM032(X)SS423EN	69.9	21.3	73.8	22.5	53	0.75	0.55	2.7/1.35	653	74	D
FMM015(X)SS423EN	150.3	45.8	158.5	48.3	114	0.75	0.55	2.7/1.35	341	39	D
FMM013(X)SS423EN	171.3	52.2	180.8	55.1	130	1	0.75	3.1/1.57	425	48	D
FMM010(X)SS423EN	225.4	68.7	237.9	72.5	171	1.5	1.1	4.2/2.1	490	56	D

Where (X) is L or R for Right Hand or Left Hand Gearmotor matching RH or LH Drive

### 230/400 V 50 Hz

- Sealed Gearmotor
- SEW SA37 Size gearmotor
- Totally enclosed fan cooled
- 230/400 V 3 Phase
- 50 Hz
- Wiring by others



Regulatory Approvals



Part Number	Chain Speed				RPM	Hp	kW	Amps	in.-lbs.	Nm	Starter Chart
	FK, FS, FM, FU, FV		FC, FL								
	Ft/min	M/min	Ft/min	M/min							
FMZ099(X)SS423EN	17.1	5.2	18	5.5	13	0.33	0.25	1.3/0.76	628	71	B
FMZ060(X)SS423EN	30.2	9.2	31.8	9.7	23	0.5	0.37	1.9/1.09	717	81	B
FMZ029(X)SS423EN	63.3	19.3	66.6	20.3	48	0.75	0.55	2.6/1.52	478	54	B
FMZ013(X)SS423EN	137.1	41.8	144.7	44.1	104	1	0.75	3.1/1.79	363	41	B
FMZ009(X)SS423EN	205.7	62.7	213.9	66.1	156	1.5	1.1	4.1/2.38	336	38	B
FMZ007(X)SS423EN	284.8	86.8	300.5	91.60	216	2	1.5	5.6/3.23	372	42	B

Where (X) is L or R for Right Hand or Left Hand Gearmotor matching RH or LH Drive

SEW gearmotors are products of SEW Eurodrive

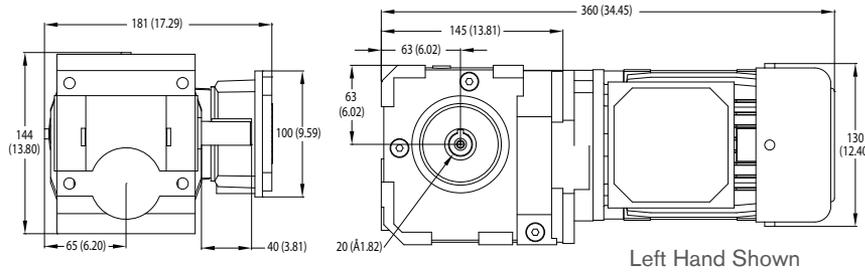
**CE Note:** When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

**FLA = Full Load Amperes** Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. **Note:** Dimensions = mm (in)

## Suspended Mount, SEW Equivalent, Variable Speed - 20 mm Shaft

### 230/460 V 60 Hz

- Sealed Gearmotor
- SEW SA37 Size gearmotor
- Totally enclosed fan cooled
- 230/460 V 3 Phase
- 60 Hz
- Wiring by others



Regulatory Approvals

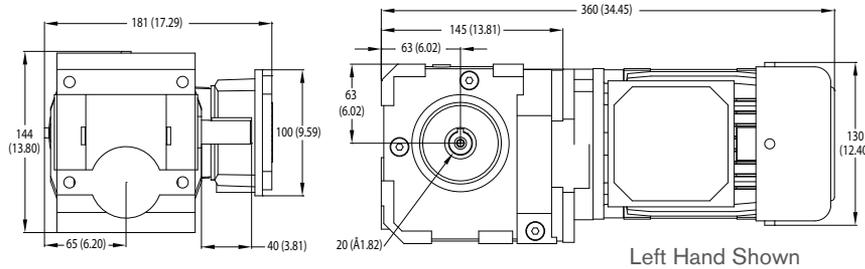


Part Number	Chain Speed				RPM	Hp	kW	Amps	in.-lbs.	Nm	Starter Chart
	FK, FS, FM, FU, FV		FC, FL								
	Ft/min	M/min	Ft/min	M/min							
FMM129(X)SS423EN	2.9 - 17.1	0.9 - 5.2	3 - 18	0.9 - 5.5	13	0.25	0.18	1.1/0.56	837	95	D
FMM067(X)SS423EN	5.5 - 32.8	1.7 - 10	5.8 - 34.8	1.8 - 10.6	25	0.5	0.37	1.9/0.95	699	79	D
FMM032(X)SS423EN	11.7 - 69.9	3.6 - 21.3	12.3 - 73.8	3.8 - 22.5	53	0.75	0.55	2.7/1.35	653	74	D
FMM015(X)SS423EN	25.1 - 150.3	7.6 - 45.8	26.4 - 158.5	8.1 - 48.3	114	0.75	0.55	2.7/1.35	341	39	D
FMM013(X)SS423EN	28.6 - 171.3	8.7 - 52.2	30.1 - 180.8	9.2 - 55.1	130	1	0.75	3.1/1.57	425	48	D
FMM010(X)SS423EN	37.6 - 225.4	11.5 - 68.7	39.7 - 237.9	12.1 - 72.5	171	1.5	1.1	4.2/2.1	490	56	D

Where (X) is L or R for Right Hand or Left Hand Gearmotor matching RH or LH Drive

### 230/400 V 50 Hz

- Sealed Gearmotor
- SEW SA37 Size gearmotor
- Totally enclosed fan cooled
- 230/400 V 3 Phase
- 50 Hz
- Wiring by others



Regulatory Approvals



Part Number	Chain Speed				RPM	Hp	kW	Amps	in.-lbs.	Nm	Starter Chart
	FK, FS, FM, FU, FV		FC, FL								
	Ft/min	M/min	Ft/min	M/min							
FMZ099(X)SS423EN	3.4 - 17.1	1 - 5.2	3.6 - 18	1.1 - 5.5	13	0.33	0.25	1.3/0.76	628	71	B
FMZ060(X)SS423EN	6 - 30.2	1.8 - 9.2	6.4 - 31.8	1.9 - 9.7	23	0.5	0.37	1.9/1.09	717	81	B
FMZ029(X)SS423EN	12.7 - 63.3	3.9 - 19.3	13.3 - 66.6	4.1 - 20.3	48	0.75	0.55	2.6/1.52	478	54	B
FMZ013(X)SS423EN	27.4 - 137.1	8.4 - 41.8	28.9 - 144.7	8.8 - 44.1	104	1	0.75	3.1/1.79	363	41	B
FMZ009(X)SS423EN	41.1 - 205.7	12.5 - 62.7	43.4 - 213.9	13.2 - 66.1	156	1.5	1.1	4.1/2.38	336	38	B
FMZ007(X)SS423EN	57 - 284.8	17.4 - 86.8	60.1 - 300.5	18.3 - 91.60	216	2	1.5	5.6/3.23	372	42	B

Where (X) is L or R for Right Hand or Left Hand Gearmotor matching RH or LH Drive

SEW gearmotors are products of SEW Eurodrive

**CE Note:** When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

**FLA = Full Load Amperes** Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. **Note:** Dimensions = mm (in)

## Variable Speed Controllers

Chart B		VFD Controller, Full CE Compliance, 50 Hz						
<ul style="list-style-type: none"> <li>• VFD control</li> <li>• IP 65 enclosure</li> <li>• EMC filter</li> <li>• Variable speed</li> <li>• Mounting hardware</li> <li>• Line cord and motor cord</li> <li>• Motor cord only on 460V</li> </ul>							<b>Regulatory Approvals</b>  	
Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Output Phase	Max Kw*	Max Amps	Reversing
62UV2121	230	1	50	230	3	0.75	4.2	Yes
62UV4341	400	3	50	400	3	0.75	2.1	Yes
62UV2127	230	1	50	230	3	1.50	6.8	Yes
62UV4347	400	3	50	400	3	1.50	3.4	Yes

Chart D		VFD Controller, 60 Hz						
<ul style="list-style-type: none"> <li>• Full feature VFD control</li> <li>• NEMA 4 enclosure</li> <li>• Digital display</li> <li>• Keypad with Start/Stop, Forward/Reverse and speed variations</li> <li>• Includes cord to motor</li> <li>• Power to controller by others</li> <li>• 62MV1122 includes line cord to controller</li> <li>• Mounting hardware</li> </ul>							<b>Regulatory Approvals</b>  	
Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Output Phase	Max Hp	Output Amps*	Reversing
32MV1122	115	1	60	230	3	0.5	2.2	Yes
32MV2122	230	1	60	230	3	0.5	2.2	Yes
32MV1121	115	1	60	230	3	1.0	4.0	Yes
32MV2121	230	1	60	230	3	1.0	4.0	Yes
32MV2127	230	1	60	230	3	2.0	6.8	Yes
32MV2322	230	3	60	230	3	0.5	2.2	Yes
32MV2327	230	3	60	230	3	2.0	6.8	Yes
32MV4341	460	3	60	460	3	1.0	2.0	Yes
32MV4347	460	3	60	460	3	2.0	3.4	Yes

In order for this drive to meet full CE requirements for European application a separate CE approve RFI filter must be installed. Product shown in chart B above have this filter pre-installed and are recommended for use in the European Union.

SEW gearmotors are products of SEW Eurodrive

**CE Note:** When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

**FLA = Full Load Amperes** Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. **Note:** Dimensions = mm (in)

## Manual Motor Starters

Manual motor starts are manual electronic disconnects that provide motor overload protection and are required by the National Electric Code (NEC) for safe motor operation.

- IP 55 Enclosure
- Push button Start / Stop
- Includes mounting hardware

### Regulatory Approvals



Illustration A

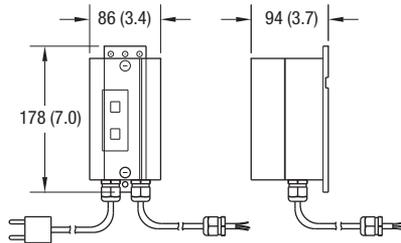


Illustration B

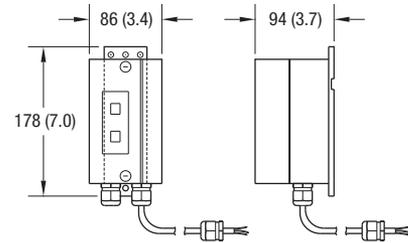


Chart I		230/400V 50Hz to 2.5 amp		
<ul style="list-style-type: none"> <li>• 230 Volts, 1 phase includes cord, plug and starter</li> <li>• 230/400 Volts, 3 phase wiring to starter by others</li> <li>• Wiring between motor and starter provided when ordered together</li> <li>• 50 Hz</li> </ul>				
Part Number	In Volts	In Phase	Amp Range	Illustration
62(c)M21T	230	1	1.6 - 2.5	A
62(c)M23T	230	3	1.0 - 1.6	B
62(c)M43T	400	3	0.63 - 1.0	B

Chart J		230/400V 50 Hz to 4 amp		
<ul style="list-style-type: none"> <li>• 230 Volts, 1 phase includes cord, plug and starter</li> <li>• 230/400V, 3 phase wiring to starter by others</li> <li>• Wiring between motor and starter provided when ordered together</li> <li>• 50 Hz</li> </ul>				
Part Number	In Volts	In Phase	Amp Range	Illustration
62(c)M21J	230	1	2.5 - 4.0	A
62(c)M23J	230	3	1.6 - 2.5	B
62(c)M43J	400	3	1.0 - 1.6	B

Chart L		230/460V 60 Hz to 1.6 amp		
<ul style="list-style-type: none"> <li>• 230/460 Volts, 3 phase wiring to starter by others</li> <li>• Wiring between motor and starter provided when ordered together</li> <li>• 60 Hz</li> </ul>				
Part Number	In Volts	In Phase	Amp Range	Illustration
62MM23L	230	3	1.0 - 1.6	B
62MM43L	460	3	0.4 - .63	B

Chart M		230/460V 60Hz to 2.5 amp		
<ul style="list-style-type: none"> <li>• 230/460 Volts, 3 phase wiring to starter by others</li> <li>• Wiring between motor and starter provided when ordered together</li> <li>• 60 Hz</li> </ul>				
Part Number	In Volts	In Phase	Amp Range	Illustration
62MM23M	208-230	3	1.6 - 2.5	B
62MM43M	460	3	1.0 - 1.6	B

Chart P		230/460V 60Hz to 4 amp		
<ul style="list-style-type: none"> <li>• 230/460 Volts, 3 phase wiring to starter by others</li> <li>• Wiring between motor and starter provided when ordered together</li> <li>• 60 Hz</li> </ul>				
Part Number	In Volts	In Phase	Amp Range	Illustration
62MM23U	208-230	3	2.5 - 4.0	B
62MM43P	460	3	1.6 - 2.5	B

Chart Q		230/460V 60Hz to 6.3 amp		
<ul style="list-style-type: none"> <li>• 230/460 Volts, 3 phase wiring to starter by others</li> <li>• Wiring between motor and starter provided when ordered together</li> <li>• 60 Hz</li> </ul>				
Part Number	In Volts	In Phase	Amp Range	Illustration
62MM23Q	208-230	3	4.0 - 6.3	B
62MM43Q	460	3	2.5 - 4.0	B

**CE Note:** When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with NEC and CE safety directive.

**(c)** = Electrical Configuration    **G** = CE German  
**F** = CE French    **U** = CE Great Britain    **Note:** Dimensions = mm (in)

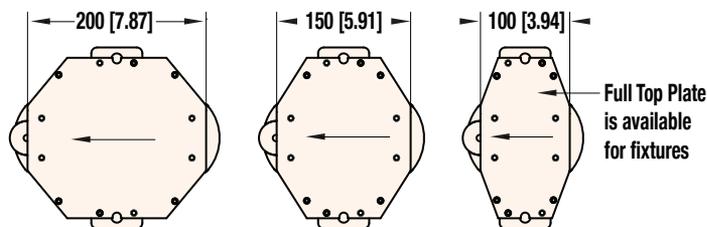
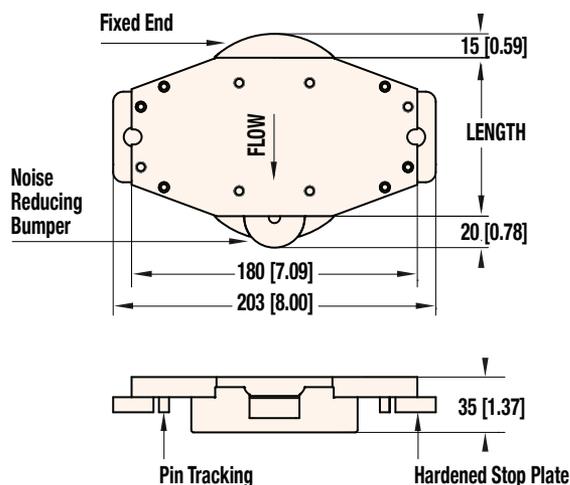


## Pallets

- Pallet Sizes: 105 mm Conveyor

	Length		
180 mm wide	100	150	200

- Recessed hardened stop plates provide complete access to full top plate for part tooling
- Maximum weight per pallet = 9 kg (20 lbs)
- Base Pucks
  - 19.05 mm (.75 in) thick molded static dissipative nylon
  - Round shape to match conveyor guides
  - Optional cushioning bumper can be added to base pucks to reduce noise and impacts
- Pallet is 12.7 mm (.5 in) thick tool plate anodized aluminum
- Contains pin tracking system to guide pallet on conveyor and divert modules
- Pallets can be purchased as assembled units or as kits containing all components except for aluminum top plate
- See page 151 for pallet sensor brackets
- Available in North America only.



**Pallets**

22 SF P M WWW - L L L A

**Pallet Options:**

- A = Assembled with std 1/2" aluminum top plate
- B = Assembled with std 1/2" aluminum top plate and bumper on one end
- C = Kit only without aluminum top plate
- D = Kit only without aluminum top plate includes bumper on one end

**Length Reference:**

100 = 100 mm 150 = 150 mm  
200 = 200 mm

**Width Reference: 105 = 105 mm**

**Documentation Language: M = US**

**P = Pallet**

Note: Contact factory for detailed drawing of top plate Note: Dimensions = mm (in)



**Cushioned**



**Non-Cushioned**

## Pallet Stops

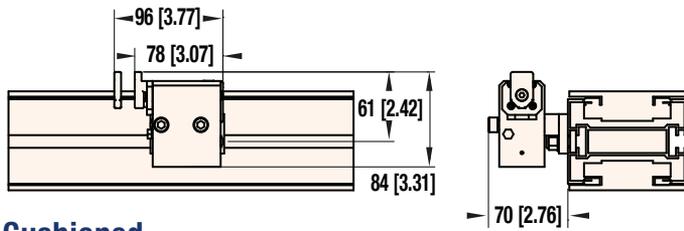
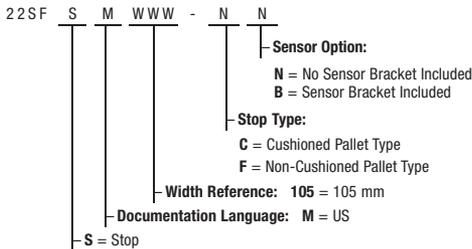
- All stops are pneumatic single acting with spring return, double acting available
- Stops can be cushioned or non-cushioned for use with pallets
- Stops can be added to either side of the conveyor without guide modification
- Optional sensor mounts for pallet
- Sensor mounts are for standard 12 mm diameter proximity switch
- Pallet assembly includes stop, mounting bracket, hardware and pneumatic push in fittings for 6.35 mm (.25 in) air line
- See page 151 for pallet sensor brackets
- Available in North America only.

## Speed vs. Load Characteristics

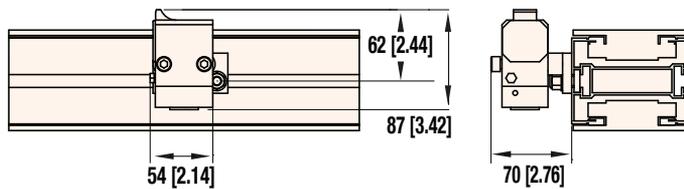
Belt Speed M/min (ft./min)	Max. Allowed Accumulated Load Kg (lbs.)	Belt Speed M/min (ft./min)	Max. Allowed Accumulated Load Kg (lbs.)
Cushioned Stops		Non-Cushioned Stops*	
6.1 (20)	54 (120)	6.1 (20)	68 (150)
9.1 (30)	36 (80)	9.1 (30)	68 (150)
12.2 (40)	32 (70)	12.2 (40)	68 (150)
18.3 (60)	27 (60)	18.3 (60)	64 (140)
23 (75)	23 (50)	23 (75)	55 (120)
31 (100)	16 (35)	31 (100)	45 (100)

\*Note: Pallet bumpers are recommended.

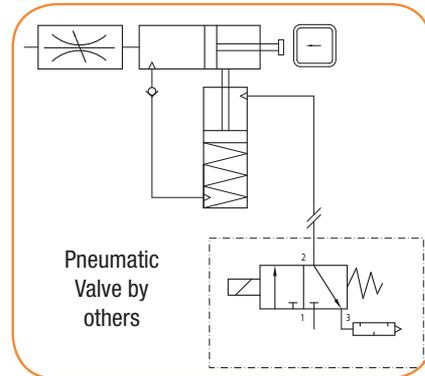
### Stops



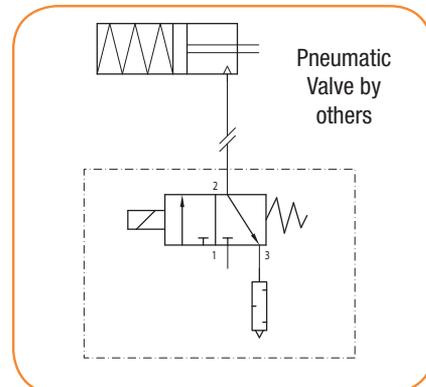
**Cushioned**



**Non-Cushioned**



Cushioned Pneumatic Schematic



Non-Cushioned Pneumatic Schematic

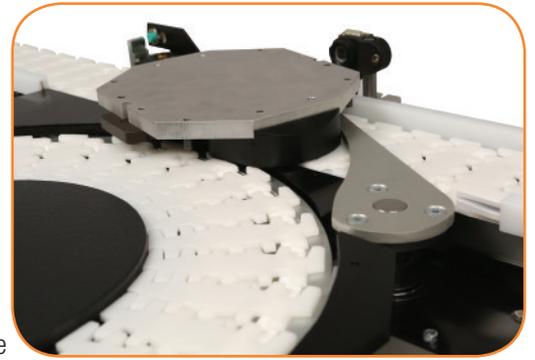
Note: Dimensions = mm (in)

## Diverts and Merges

All merge and divert kits require pallet stops to be used for product traffic control. Stops are not included in the kit and should be ordered separately. Available in North America only.

### Divert Models

- Pneumatic diverter position is adjustable in both positions
- Height of the divert arm is adjustable
- The assembly/kit is a combination of parts
- Requires the conveyor to have #18 guiding
- Cutting and fitting of the guiding is required
- Kit includes:
  - Divert assembly including pneumatic push in fittings for 6.35 mm (.25 in) air line
  - Turning wheel guide ring
  - Guide lead-in parts
  - Transition guiding and mounting clips
- Optional sensor mounts for diverter
- Sensor mounts are for air cylinder reed switch.
- Optional sensor mount for pallet
- Sensor mounts are for standard Dorner 18 mm barrel type photoeyes



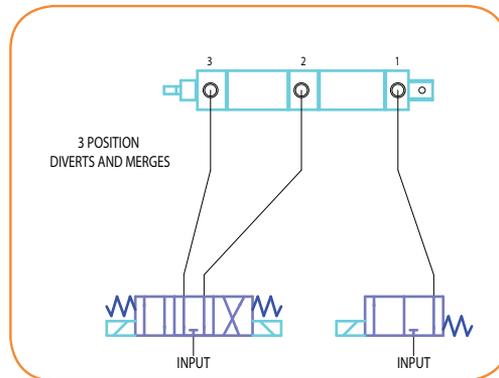
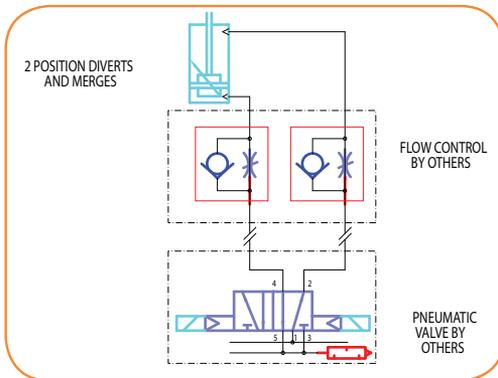
**Divert Module with Sensors**

### Merge Models

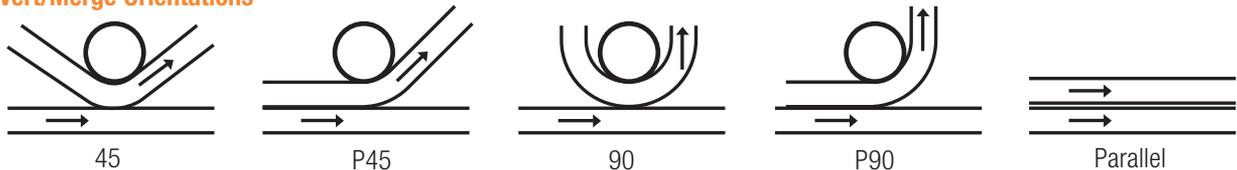
- This kit is for merge only and does not include a diverter
- Requires the conveyor to have #18 guiding
- Cutting and fitting of the guiding is required
- Kit includes:
  - Fixed merge guide
  - Turning wheel guide ring
  - (4) Guide lead-in parts
- Optional sensor mount for pallet
- Sensor mounts are for standard Dorner 18 mm barrel type photoeyes



**Divert Module Only**



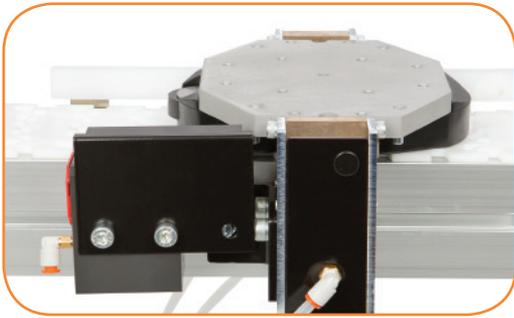
### Divert/Merge Orientations



Diverts										
22 SF	D	M	WWW	-	AAA	2	C	R	1	L
Direction: L = Left R = Right Pallet Photoeye Brackets: 1 = No Pallet Photoeye Brackets 2 = Includes Pallet Photoeye Brackets Divert Arm Sensors: N = No Reed Switches R = Reed Switches Included Stop Type: C = Cushioned F = Non cushioned N = No Stops Included Divert Type: 2 = Divert only, 2 Position 3 = Divert and Merge, 3 Position Angle: 045 = 45° 090 = 90° 000 = Parallel P45 = Parallel 45 P90 = Parallel 90 Width Reference: 105 = 105 mm Documentation Language: M = US D = Divert and Merge										

Fixed Merge						
22 SF	M	M	WWW	-	AAA	L
Direction: L = Left R = Right Angle: 045 = 45° 090 = 90° 000 = Parallel P45 = Parallel 45 P90 = Parallel 90 Width Reference: 105 = 105 mm Documentation Language: M = US M = Fixed Merge						

Note: Dimensions = mm (in)



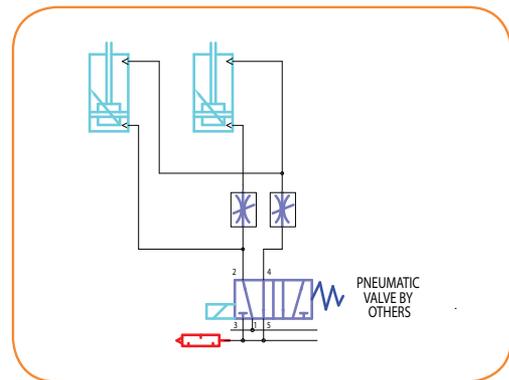
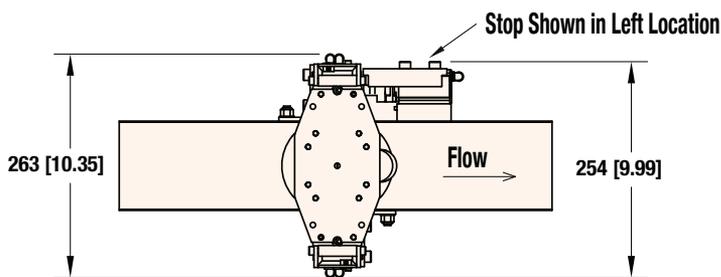
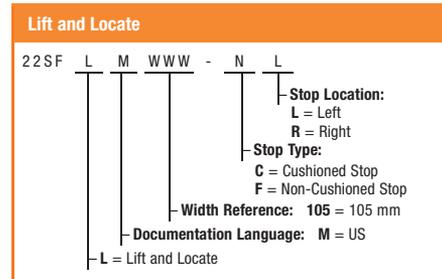
**Lift and Locate Module with Pallet in Located Position**



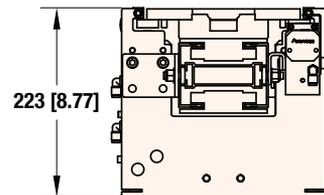
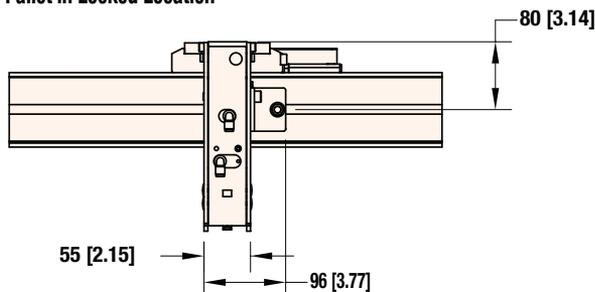
**Lift and Locate Module Only**

**Lift and Locates:**

- Conveyor width: 105 mm
- Lifts from outside of conveyor – provides 90.7 kg (200 lbs) of vertical holding force
- Lifts pneumatic operated
- Rated for pressures up to 100 psi.
- Repeatable accuracy of  $\pm .1$  mm (0.004 in)
- Includes (1) Cushioned or Non-Cushioned pallet stop
- Includes sensor mounts for lift cylinder and pallet
- Sensor mounts are for standard 12 mm diameter proximity switch
- Can be supported by conveyor or have SmartFlex support post added for additional support
- Includes push-in pneumatic push in fittings for 6.35 mm (.25 in) air line
- Available in North America only.



**Pallet in Locked Location**



Note: Dimensions = mm (in)

## Regulatory Approvals:

### Conveyors:

All Dorner FlexMove Series standard conveyors (not including gearmotors and controllers) are CE approved. CE approval follows the provisions of the following directives; Machine Directive 2006/42/EC, EU Low Voltage Directive 2006/95/EC, and EMC Directive 2004/108/EC. All conveyors are marked with the CE symbol on the Dorner serial number tag located on the conveyor frame. Contact the factory for the CE Declaration of Conformity.

All Dorner FlexMove Series standard conveyors (not including gearmotors and controllers) are designed and manufactured in accordance with the restrictions defined in the “Restriction of Hazardous Substances” directive, citation 2011/65/EU, commonly known as RoHS. All conveyors are marked with the RoHS symbols on the Dorner serial number tag located on the conveyor frame.

### Gearmotors and Controllers:

All Dorner FlexMove Series gearmotors and controllers carry one or more of the following approvals. Products are not covered by each approval. Please see the appropriate part number on the Gearmotor and controller charts located in this manual. In addition, regulatory symbols are located on the product information tags located on the product.

	<p>CE Marking on a product is a manufacturer's declaration that the product complies with the essential requirements of the relevant European health, safety and environmental protection legislation, in practice by the Product Directives. CE Marking on a product ensures the free movement of the product within the European Union (EU).</p>
	<p>This directive restricts (with exceptions) the use of six hazardous materials in the manufacture of various types of electronic and electrical equipment. It is closely linked with the Waste Electrical and Electronic Equipment Directive (WEEE) 2002/96/EC which sets collection, recycling and recovery targets for electrical goods and is part of a legislative initiative to solve the problem of huge amounts of toxic e-waste.</p>
	<p>The UL Recognized Component mark is for products intended to be installed in another device, system or end product. This Recognized Component Mark is for the United States only. When a complete product or system containing UL Recognized Components is evaluated, the end-product evaluation process can be streamlined.</p>
	<p>The UL Recognized Component mark is for products intended to be installed in another device, system or end product. This Recognized Component Mark is for the United States and Canada. When a complete product or system containing UL Recognized Components is evaluated, the end-product evaluation process can be streamlined.</p>
	<p>CSA International (Canadian Standards Association), is a provider of product testing and certification services for electrical, mechanical, plumbing, gas and a variety of other products. Recognized in the U.S., Canada and around the world, CSA certification marks indicate that a product, process or service has been tested to a Canadian or U.S. standard and it meets the requirements of an applicable CSA standard or another recognized document used as a basis for certification.</p>
	<p>The UL Listing Mark means UL found that representative product samples met UL's safety requirements. These requirements are primarily based on UL's own published standards for safety. The C-UL-US Mark indicates compliance with both Canadian and U.S. requirements. The products with this type of Mark have been evaluated to Canadian safety requirements and U.S. safety requirements.</p>

## Clean Room Certifications:

FlexMove Conveyors are often used in clean room applications where the generation of particulates from the conveyor are a concern. In these applications the correct installation and application of the conveyor is critical to the proper running of the conveyor and minimizing the dust generated by the conveyor belt or modular belt. The end user must ensure that the conveyor belts are properly tracked and product accumulation is minimized to providing minimal dust generation.

All of the FlexMove products are designed and constructed to be used in clean room environments. The following FlexMove Series products have gone through third party testing and certification and are certified for use in ISO Standard 14644-1 Class 5 and Federal Standard 209 Class 100 Clean Room applications.

### FlexMove Series Flexible Chain Conveyor

Contact the factory for copy of the certification.



### Slide Rail Specifications / Application Data

Part No.	FASR-25 FASR-25K	FASR-25U	FASR-25A	FASR-25T	FASR-25P	FASR-25X
Material	HDPE	UHMW	Antistatic HDPE	PAPE	PVDF	Impregnated UHMW
Color	white	white	black	Grey	White	Blue
FDA approved	Yes	Yes	No	No	No	Yes
Coefficient of Friction	0.25	0.25	0.25	0.3	0.35	0.25
Temp Range	-20 to 60 C	-20 to 60 C	-20 to 60 C	-20 to 80 C	-20 to 100 C	-20 to 60 C
Maximum Speed	50 M/min	60 M/min	50 M/min	60 M/min	60 M/min	60 M/min
Heavy Loads	poor	good	poor	excellent	excellent	good
Elongation / wear resistance	poor	good	poor	excellent	excellent	good
Chemical Resistance	Good, poor to petroleum based solvents	Good	Good, poor to petroleum based solvents	Good, not used with wet solvents	Excellent	Good
Application	General conveyance, lowest cost	High speed, moderate loads, low dust generation	Environments sensitive to static electricity	High speed, high load, dry applications only, abrasive particles	High speed, high load, abrasive particles	High speed, moderate loads, low dust generation

## Chains

Series	FK	FS	FM	FC	FL	FU	FV
<i>Chain width (mm)</i>	44 mm	63 mm	83 mm	103 mm	150 mm	175 mm	255 mm
<i>Chain width (inch)</i>	1.73"	2.48"	3.27"	4.06"	5.91"	6.890"	10.039"
<i>Tensile strength at 20°C (N)</i>	3600 N	3400 N	4800 N	4800 N	4800 N	4800 N	4800 N
<i>Tensile strength at 68°F (lbf)</i>	810 lbf	764 lbf	1079 lbf	1079 lbf	1079 lbf	1079 lbf	1079 lbf
<i>Max. working tensile at 20°C (N)</i>	500 N	500 N	1250 N	1250 N	1250 N	1250 N	1250 N
<i>Max. working tensile at 68°F (lbf)</i>	112 lbf	112 lbf	281 lbf	281 lbf	281 lbf	281 lbf	281 lbf
<i>Working temperature (°C)</i>	-20 – 60°C	-20 – 60°C	-20 – 60°C	-20 – 60°C	-20 – 60°C	-20 – 60°C	-20 – 60°C
<i>Working temperature (°F)</i>	-4 – 140°F	-4 – 140°F	-4 – 140°F	-4 – 140°F	-4 – 140°F	-4 – 140°F	-4 – 140°F
<i>Maximum conveyor speed (m/min)</i>	50 m/min	58 m/min	58 m/min	58 m/min	58 m/min	58 m/min	58 m/min
<i>Maximum conveyor speed (ft/min)</i>	165 ft/min	190 ft/min	190 ft/min	190 ft/min	190 ft/min	190 ft/min	190 ft/min
<i>Max. conveyor length (m)</i>	30 m	30 m	30 m	30 m	30 m	30 m	30 m
<i>Max. conveyor length (ft)</i>	100 ft	100 ft	100 ft	100 ft	100 ft	100 ft	100 ft
<i>Min. turning radius (mm)</i>	150 mm	150 mm	160 mm	170 mm	210 mm	500 mm	700 mm
<i>Min. turning radius (inch)</i>	5.91"	5.91"	6.30"	6.70"	7.87"	19.7"	27.6"
<i>Link spacing (mm)</i>	25.4 mm	25.4 mm	33.5 mm	35.5 mm	35.5 mm	33.5 mm	33.5 mm
<i>Link spacing (inch)</i>	1.0"	1.0"	1.32"	1.40"	1.40"	1.32"	1.32"
<i>Chain weight (plain) (kg/m)</i>	0.63 kg/m	0.75 kg/m	1.20 kg/m	1.67 kg/m	1.87 kg/m	2.0 kg/m	2.43 kg/m
<i>Chain weight (plain) (lb/ft)</i>	0.43 lb/ft	0.50 lb/ft	0.81 lb/ft	1.12 lb/ft	1.26 lb/ft	1.344 lb/ft	1.633 lb/ft
<i>Max. weight on conveyor (kg/m)</i>	30 kg/m	30 kg/m	60 kg/m	60 kg/m	60 kg/m	65 kg/m	65 kg/m
<i>Max. weight on conveyor (lb/ft)</i>	20 lb/ft	20 lb/ft	40 lb/ft	40 lb/ft	40 lb/ft	44 lb/ft	44 lb/ft
<i>Item width (mm)</i>	15 – 100 mm	15-140 mm	20-200 mm	25-300 mm	50-400 mm	50-400 mm	80 – 500 mm
<i>Item width (inch)</i>	0.6 – 4.0"	0.6 – 5.5"	0.8-7.9"	1.0-11.8"	2.0-15.7"	2.0 – 15.4"	3.2 – 19.7"

**Drive Unit Specifications**
**Direct Drive unit**

	FK	FS	FM	FC	FL	FU	FV
Number of Teeth on sprocket	16	16	12	12	12	12	12
Chain Pitch (mm)	25.4	25.4	33.5	35.5	35.5	33.5	33.5
Max. Traction force (N)	500	500	1250	1250	1250	1250	1250
Sprocket Diameter (mm)	128	128	128	135	135	135	135

**Suspended Drive unit**

	FK	FS	FM	FC	FL	FU	FV
Number of Teeth on sprocket	16	16	12	12	12	12	12
Chain Pitch (mm)	25.4	25.4	33.5	35.5	35.5	33.5	33.5
Max. Traction force (N)	500	500	1250	1250	1250	1250	1250
Sprocket Diameter (mm)	128	128	128	135	135	135	135

**Catenary Drive unit**

	FK	FS	FM	FC	FL	FU	FV
Number of Teeth on sprocket	Nil	16	12	12	Nil	Nil	Nil
Chain Pitch (mm)	Nil	25.4	33.5	35.5	Nil	Nil	Nil
Max. Traction force (N)	Nil	500	1250	1250	Nil	Nil	Nil
Sprocket Diameter (mm)	128	128	128	135	Nil	Nil	Nil

**Intermediate Drive unit**

	FK	FS	FM	FC	FL	FU	FV
Number of Teeth on sprocket	Nil	11	9	9	Nil	Nil	Nil
Chain Pitch (mm)	Nil	25.4	33.5	35.5	Nil	Nil	Nil
Max. Traction force (N)	Nil	200	200	200	Nil	Nil	Nil
Sprocket Diameter (mm)	88	88	98	101	101	Nil	Nil

**Wheel Drive unit**

	FK	FS	FM	FC	FL	FU	FV
Number of Teeth on sprocket	300	300	320	340	Nil	Nil	Nil
Chain Pitch (mm)	25.4	25.4	33.5	35.5	Nil	Nil	Nil
Max. Traction force (N)	200	200	200	200	Nil	Nil	Nil
Sprocket Diameter (mm)	273	273	277	272	Nil	Nil	Nil

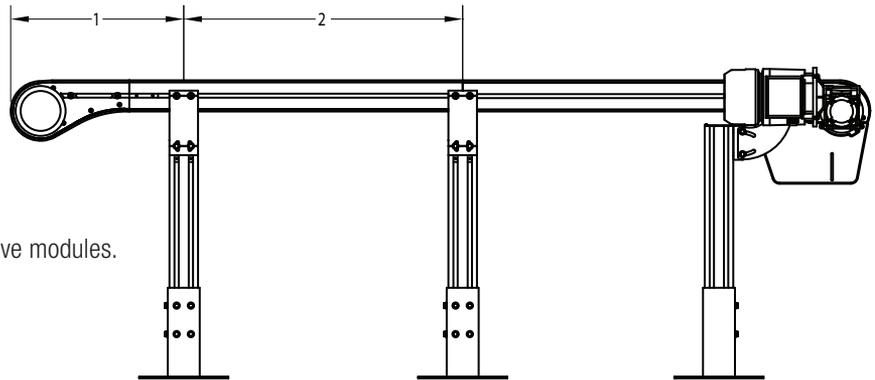
## Stand Location

### Maximum Distances:

- 1 = 914 mm (36 in)
- 2 = 3048 mm (10 ft)\*

\* For conveyors longer than 3048 mm (10 ft), install support at joint.

Note: Additional support required on 180° curve modules.



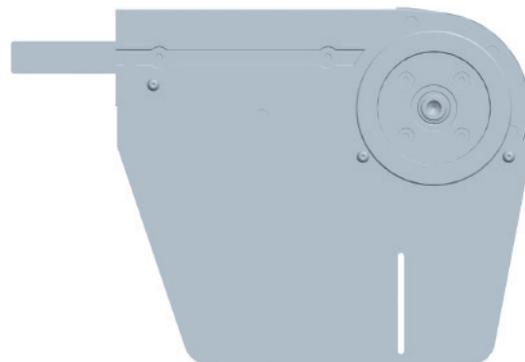
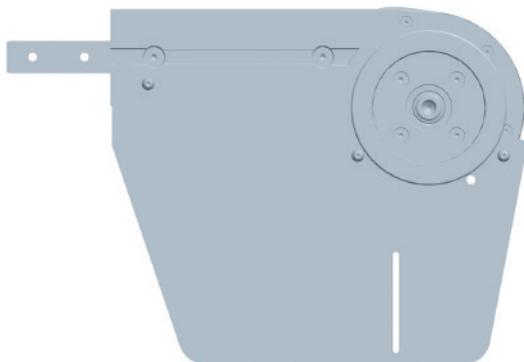
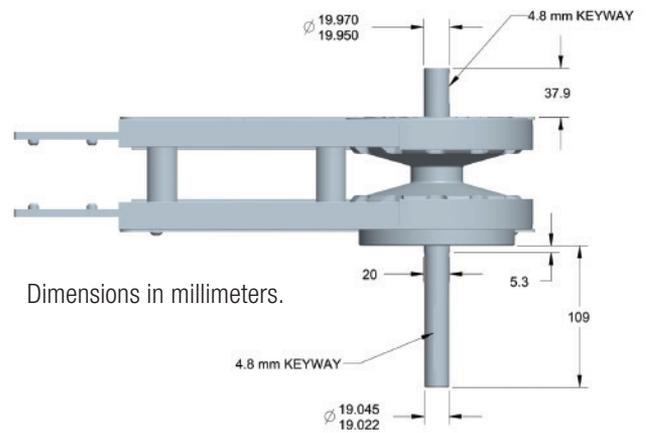
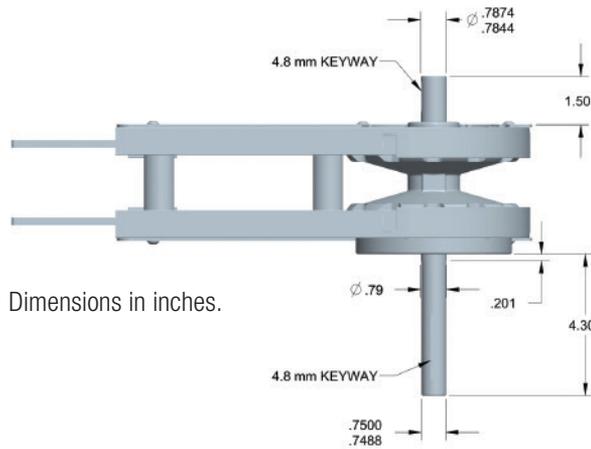
Support must be provided directly at drive end. See accessories for Direct Mount and Suspended Mount support options.

## Conveyor Drive Shaft Tolerances:

.75" SHAFT

20 MM SHAFT

OPTIONAL AUXILIARY SHAFT



Note: Dimensions = mm (in)

## Conveyor Load Capacity

There are several factors that effect the overall conveyor load of the FlexMove conveyor. These include:

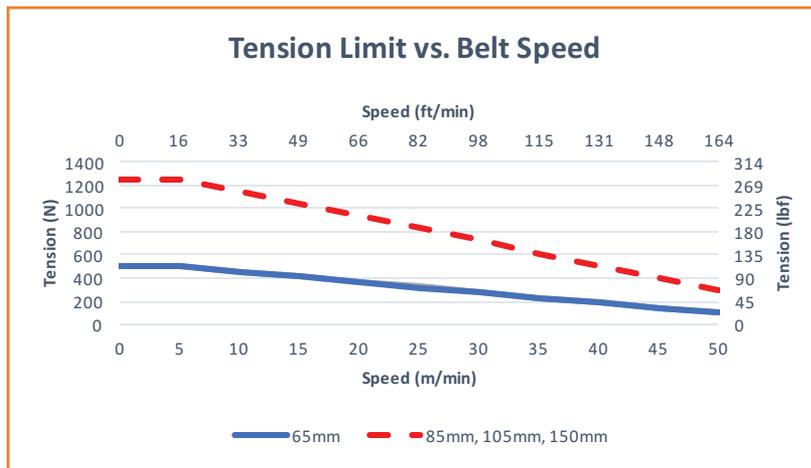
- Conveyor size and configuration
- Product accumulation
- Conveyor speed
- Number of starts and stops per hour
- Application temperature
- Maximum Drive Unit Output

Located online at [www.dornerconveyors.com](http://www.dornerconveyors.com) is the Dorner conveyor configuration tool, DTools. This tool allows you to configure your conveyor layout and determine the maximum load capacity for the conveyor. It is suggested that this program be used to calculate the conveyor load as the calculation is quite complicated. This configuration program however does not take into account temperature, dirty conditions, and conveyor starts and stops. If these conditions are part of your application, please use the load reducing factors as shown below.

**Maximum Load =** (Load from DTools) (Temperature Factor) (Start/Stop Factor)  
 See following pages for factors.

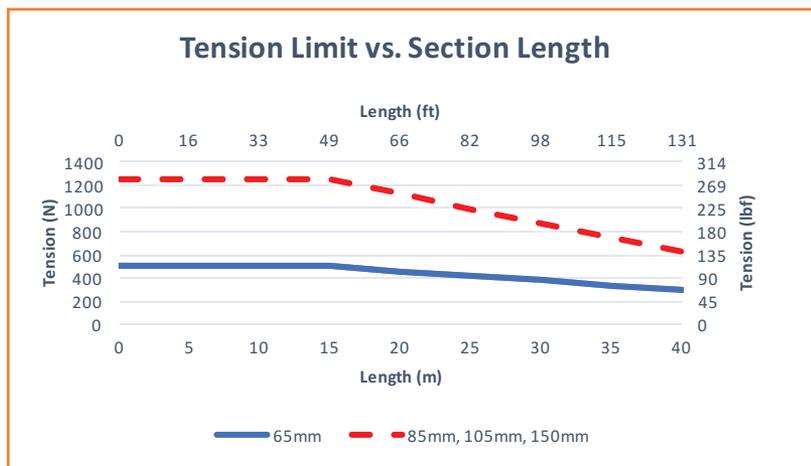
## Nominal Maximum Load

A Nominal Maximum Load may be calculated without the use of DTools to determine if the conveyor can generally carry the application load. The following process can be used to calculate Nominal Maximum Load. It **does not** take into account the conveyor configuration. Please confirm your maximum load per application with the Dorner DTools program at [www.dornerconveyors.com](http://www.dornerconveyors.com).



To calculate the Nominal Maximum Load:  
 Note: This does not include conveyor configuration. Please confirm load with Dorner online DTools configurator.

1. Determine your Basic Tension Limit from the above two graphs. The Basic Tension Limit is the lesser number of the two. Compare your tension limit to drive unit output. Your tension limit is the smaller.
2. Tension Limit = (Basic Tension Limit) (Temperature Factor) (Start/Stop Factor) (Accumulation Factor) (0.7)  
 See following pages for factors.
3. Nominal Maximum Load (kg) = (Tension Limit / Chain Coefficient of Friction) - (Conveyor length) (2) (Chain weight)



Nominal Maximum Load (lbs) = (Nominal Maximum Load (kg)) (2.2)

See following pages for Chain Coefficient of Friction. Nominal Maximum load may also be limited by available gearmotors. Conformation of gearmotor torque is required. See pages 28-31 for gearmotors available. Nominal Maximum load cannot exceed overall conveyor load limit of 300 lbs (136kg) for 65 mm wide and 600 lbs (273kg) for 105 mm and 150 mm wide.

## Nominal Maximum Load *(continued)*

### Example:

105 mm FlexMove by 20 meters total length running at 15 Meters/min. Accumulated load with dry metal parts running in a 40°C environment. Continuous running.

- Basic Tension Limit – Tension vs. Speed = 1050N
- Basic Tension Limit – Tension vs. Length = 1100N
- Therefore Basic Tension Limit = 1050N
- Tension Limit = (Basic Tension Limit) (Temperature Factor) (Start/Stop Factor) (Accumulation Factor) (0.7)
- Tension Limit = (1050) (0.9) (1.0) (0.5) (0.7) = 330N
- Nominal Maximum Load (kg) = (Tension Limit / Chain Coefficient of Friction) - (Conveyor length) (2) (Chain weight)
- Nominal Maximum Load (kg) = (330 / 0.3) - (20) (2) (16.4) = 1100 - 984 = 116 kg
- Nominal Maximum Load (lbs) = 116\*2.2 = 256 lbs

### Temperature Factor

Ambient temperature can negatively affect the tension capacity of the conveyor chain.

Temperature (°F)	Temperature (°C)	Temperature Factor
-4	-20	1.0
32	0	1.0
68	20	1.0
104	40	0.9
140	60	0.8

### Start / Stop Factor

Frequent Start / Stops of the conveyor can negatively affect the tension capacity of the conveyor chain. All start / stop applications must use a soft start mechanism such as a Frequency Inverter with a 1 second acceleration cycle.

Application Condition	Start / Stop Factor
Continuous Run or 1 start/stop per hour	1.00
Maximum 10 starts/stop per hour	0.83
Maximum 30 starts/stop per hour	0.70
Greater than 30 starts/stop per hour	0.62

### Accumulation Factor

Product accumulation greatly reduces the conveyor load capacity. Product accumulation may only be done with the plain chain. Based on the product being accumulated apply the below Accumulation Factor in determining your Nominal Maximum Load. All factors below are assuming dry conditions.

Product Being Accumulated	Typical Coefficient of Friction	Accumulation Factor
Steel	0.25	0.50
Glass	0.20	0.60
Aluminum	0.25	0.50
Plastic	0.25	0.50
Wood	0.30	0.40
Paper and Cardboard	0.30	0.40

### Chain Coefficient of Friction

The following table provides the coefficient of friction between the standard UHMW wearstrips and the Acetal chain. Coefficient of friction as shown may be reduced by addition of a lubricant.

Application Condition	Coefficient of Friction
Dry	0.30
Water Lubrication	0.27
Coolant Lubrication	0.20
Oil Lubrication	0.20

### Drive Unit Output Capacity, P(W) requirement depend on:

- Traction force F (N)
- Chain speed V (m/min)

To calculate power, the equation is  $P = 1/60 (F \times V)$

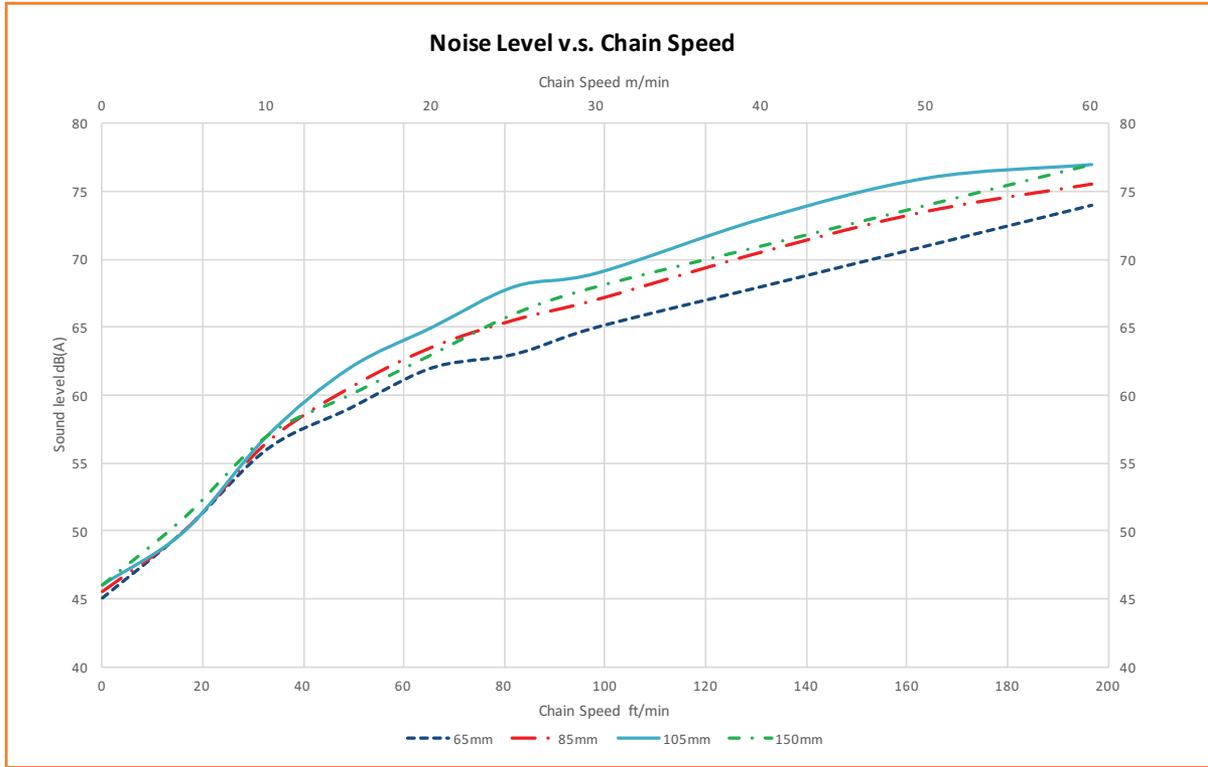
There are several drive unit designs, the maximum permissible traction force on each type of drive unit as below:

Drive unit type	Maximum traction force in Newton (N)						
	FK	FS	FM	FC	FL	FU	FV
End	500	500	1250	1250	1250	1250	1250
Intermediate	200	200	200	200	200	Nil	Nil
Catenary	500	500	1250	1250	1250	Nil	Nil

**Conveyor Noise Level**

The actual noise level generated by the conveyor depends on several factors; the installation configuration, the product running on the conveyor, the surrounding equipment, the conveyor options and chain speed. The noise level generated by the conveyor is typically less than the general noise level of factory equipment.

Generally a higher speed chain will result in a higher noise level. In addition, 65 mm conveyors will run slightly quieter, and power transfer tails will add a few decibel points as well. The following charts provide basic decibel ratings for typical conveyor arrangements, such as wheeled and plain bend corners, and power transfers.



Decibel ratings are taken approximately 3 feet away from the conveyor modules.

## Bend Factors

Bend factors must be considered and calculated at every plain chain. It depends on the angle of the bend  $\alpha$  in radians and friction coefficient  $\mu$  between chain and slide rails. In application when conveyor is dry and clean, the friction coefficient  $\mu$  is close to 0.1.

The bend factor is important to calculate since the frictional force of a plain bend depends not only on the weight of chain and product but also the actual the tension throughout the bend. The result an additional pressure force of the chain towards the conveyor beam directed toward the center of the bend. Since the chain tension varies throughout the conveyor, calculation of this additional pressure force is complicated. The highest values are present at the pulling side of the drive unit and virtually zero at the chain inlet. Using bend factor is the easiest way of including added friction in the plain bend for both horizontal and vertical into the calculation. Always use wheel bend unless for exceptional cases. If using plain bend is a must, the combined plain bends angle should not more than 180°, unless it is for a very short and light application.

Bend type, horizontal or vertical plain bend	Bend factor
30°1	.2
45°	1.3
60°1	.4
90°1	.6

8° inclined is the maximum a product could convey for plain chain whereas friction top chain could take up to 30°

## Material

Material	FlexMove Parts
POM (PolyOxyMethylene)	Conveyor Chain, rollers
POM Conductive (PolyOxyMethylene)	Conductive chain
Aluminum, extruded & anodized	Angle bracket, beam support bracket, conveyor beam, support beam, guide rail, distance tube, fixed and adjustable side guide bracket, spacer
Steel, electro-zinc plated	Bolts and nuts, connecting strips, foot connecting strip
Steel, powder coated	Foot, connecting plate
PA, Polyamide	Chain pivot, side guide bracket, side guide support, drive and idler steering guide, end caps, wheel guide
Polyamide PA + Glass fiber	Drive sprocket, idler wheel
PVC, Polyvinyl Chloride	T-slot cover
HDPE, High Density Polyethylene	Slide rail, guide rail
UHMW-PE, Ultra High Molecular Weight Polyethylene	Slide Rail, drive and idler steering guides
PVDF, Polyvinylidene fluoride	Slide Rail
TPE, Thermoplastic Elastomer	Chain insert for friction top and wedge top

## Resistance to chemical

FlexMove® components can withstand continuous contact with most chemicals. However, it is recommended to avoid:

- Acids with pH less than 4
- Bases with pH higher than 9

The following table specifies the resistance of several material used in the conveyor on selected chemicals

### Legend

1 = Very good

2 = Good

3 = Moderate resistance

4 = Not recommended

5 = No data available

Material	Acetal POM	Polyamide PA	High-density Polyethylene HDPE	Thermoplastic Elastomer TPE	Aluminum AL
<b>Acids:</b>					
Acetic acid	3	4	3	-	2
Benzoic acid	3	4	1	-	4
Citric acid	3	2	2	-	2
Chromic acid	4	4	1	-	3
Hydrofluoric acid	4	4	1	-	4
Hydrochloric acid	4	4	1	-	3
Hydro cyanic acid	4	4	2	-	1
Nitric acid	4	4	4	-	3
Phosphoric acid	4	4	1	-	3
Sulphuric acid	4	4	2	1	3
Tartaric acid	3	2	1	-	1
<b>Basic compounds:</b>					
Ammonia	1	2	1	-	2
Calcium hydroxide	1	2	1	-	4
Caustic soda	1	2	1	1	3
Potassium hydroxide	1	2	1	-	4
<b>Salts:</b>					
Potassium bicarbonate	2	2	2	-	1
Potassium permanganate	2	4	2	-	1
Sodium cyanic	2	2	2	-	4
Sodium hydrochloride	3	4	1	-	4
Acid salt	2	3	1	-	-
Basic salt	1	2	1	-	-
Neutral salt	1	2	1	-	-

## Chains

Material	Acetal POM	Polyamide PA	High-density Polyethylene HDPE	Thermoplastic Elastomer TPE	Aluminum AL
<b>Organic compounds and solvents:</b>					
Acetone	1	1	4	3	1
Benzene	1	1	4	3	1
Butyl alcohol	2	2	2	-	1
Carbon disulphide	1	1	3	-	1
Chloroform	1	1	4	-	-
Ethyl acetate	1	1	2	-	1
Ethyl alcohol	1	1	1	-	1
Heptane	2	2	2	-	-
Methyl alcohol	1	1	1	-	2
Methyl ethyl ketone	1	1	4	4	2
Nitrobenzene	2	2	3	-	1
Phenol	3	3	2	-	1
<b>Gasses:</b>					
Carbon dioxide	3	1	1	-	1
Carbon monoxide	2	1	1	-	1
Chlorine	2	4	3	-	1
Hydrogen sulphide	3	1	2	-	1
Sulphur dioxide	2	3	2	-	1
<b>Others:</b>					
Beer	1	2	2	-	1
Fruit juices	1	2	3	-	2
Gasoline	1	2	2	-	1
Milk	1	1	2	-	1
Oil	1	1	2	-	1
Vinegar	1	2	3	-	1

Note: the table above is valid for temperature range up to 60°C and it is to be considered as guideline only. Furthermore, precautions should be taken when using cleaning agents. If you are in doubt on the material to withstand your special environment, you should go for chemical testing or contact our local distributor.

## Static Electricity

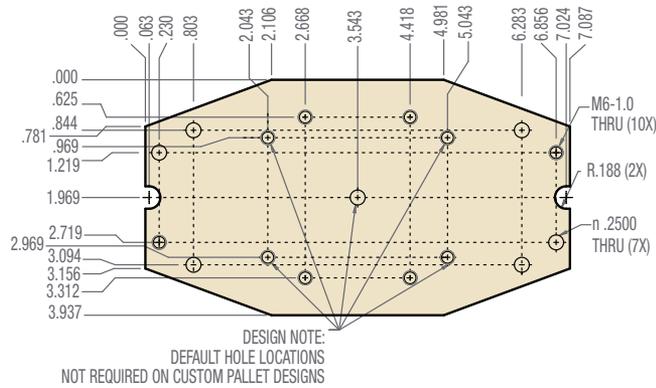
The standard plastic materials used for conveyors have low electrical conductivity so static electricity can build up in the conveyor. When a conveyor is running under normal environment (20°C and humidity 60%) without load, the static electricity build up should be around the following figures:

Above the drive unit	1800-2500V
Idler end	400-500V
Above the wheel bend	400-500V
Above the straight section	250-350V

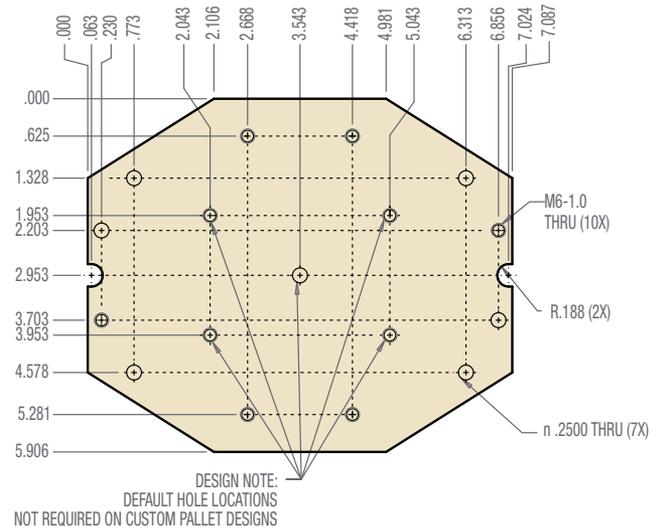
With the introduction of anti-static material for slide rail and chain, it shall meet the requirement for electronic industry.

## Pallet Plate Details Dimensions

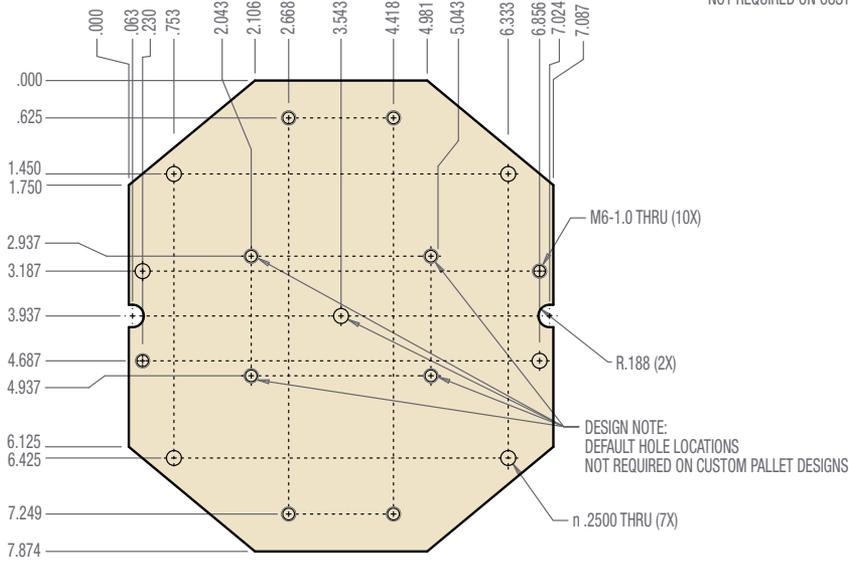
The following details are for standard pallets only. For other size pallets contact Dorner.



**100**



**150**



**200**

### Pneumatic Specifications - FlexMove Pallet Modules

Device	Action	Bore Diameter		Stroke Length		Return Type	Sensor Compatible	Force		Fitting	
								per Bar	per Psi	Tap Size	Tube Size
Lift and Locate	2 lift cylinders	32mm	1.26 in	31 mm	1.22 in	Pneumatic	No	81 N	1.25 lb	R1/8-28	1/4 in
Divert 2 Position	divert cylinder	27 mm	1.06 in	35 mm	1.375 in	Pneumatic	Yes	58 N	0.88 lb	1/8 NPT	1/4 in
Divert 3 Position	extend cylinder	27 mm	1.06 in	33 mm	1.32 in	Pneumatic	Yes	58 N	0.88 lb	1/8 NPT	1/4 in
	middle position	27 mm	1.06 in	13 mm	0.51 in	Pneumatic	Yes	58 N	0.88 lb	1/8 NPT	1/4 in
Cushion Stop	Stop retract	35mm	1.39 in	9 mm	0.35 in	Spring	No	N/A	N/A	M5	1/4 in
Non-cushion Stop	Stop retract	35mm	1.39 in	9 mm	0.35 in	Spring	No	N/A	N/A	M5	1/4 in

## FlexMove® Conveyors are best for:

- Part Handling
- Transfers
- Tight Spaces
- Elevation Changes
- Accumulation
- Buffering
- Complex Configurations
- Long Lengths
- Curves, Jogs, Incline, Decline

## Sizes & Measurements

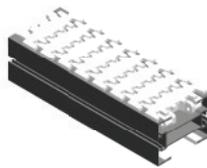
- 45 mm, 65 mm, 85 mm, 100 mm, 150 mm, 180 mm & 260 mm (1.7, 2.5, 3, 4, 6, 7 and 10 in) widths
- 0.6 m to 29.8 m (2 to 98 ft) lengths

## Loads & Speeds

- Up to 272 kgs (600 lbs)
- Up to 76 meters (250 feet) per minute

## Plastic Chain Types

- Standard: Low Friction & Friction Insert
- Specialty
  - Conductive
  - Cleated
  - Roller Top
  - Magnet Top
  - And Many More



Flat



Cleated



Friction Top



Roller Top

## Modules



Drive



Idler



Curve  
from 15° to 180°



Incline/Decline  
from 5° to 90°

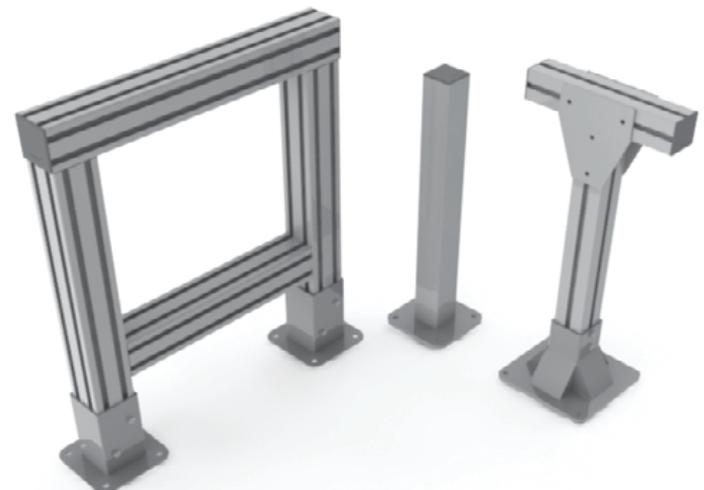
## Guiding

- Fully Adjustable Single Rail
- Fully Adjustable Double Rail
- Other Options Available



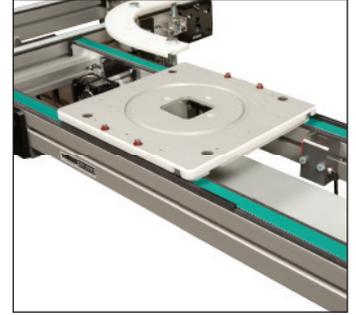
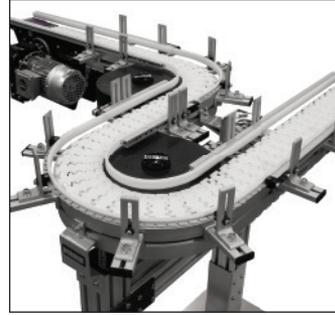
## Support Stands

- Single, Double and Multi Lane Structures Available

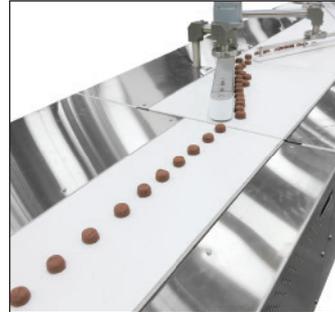
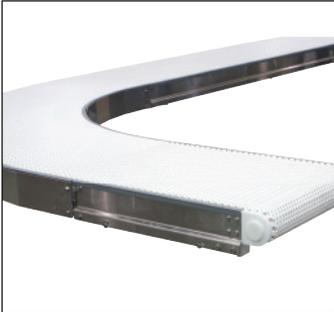


# Transforming Conveyor Automation

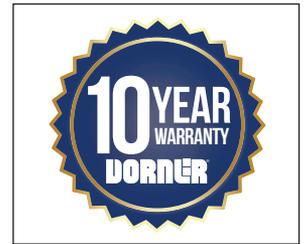
## Industrial & Automation Conveyors



### Sanitary Conveyors



### Engineered Solutions



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Service

Online Configurator

Warranty

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