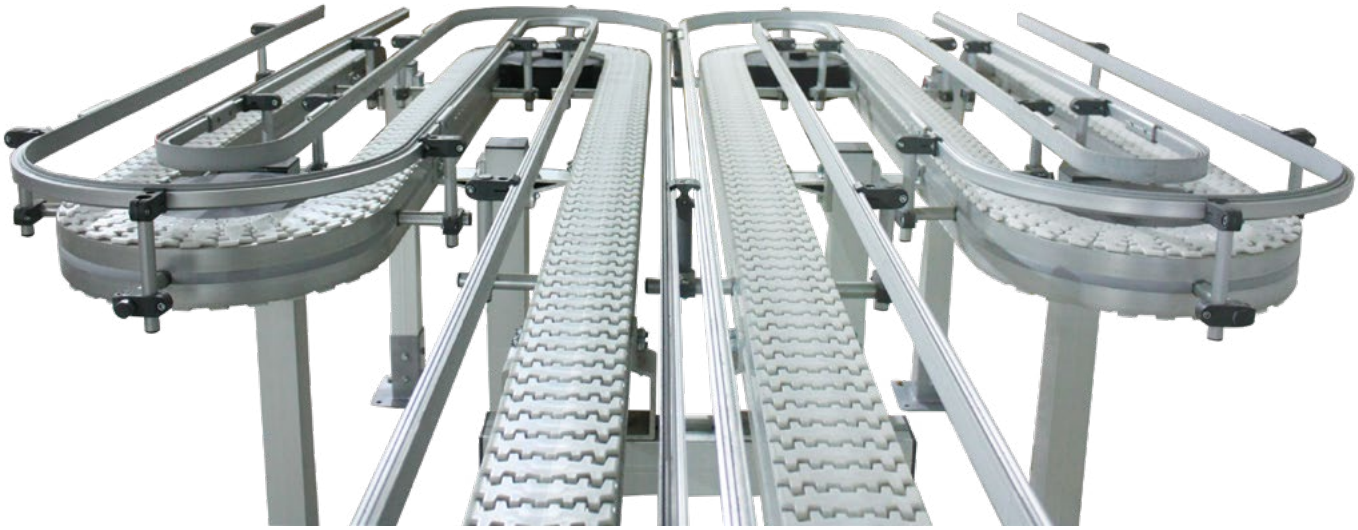
ENGINEERING MANUAL

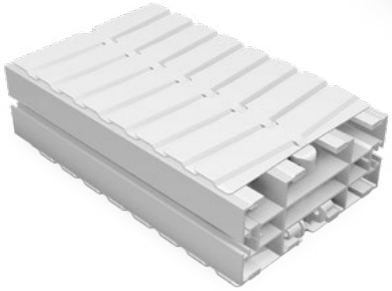
Complex Configurations & Tight Spaces

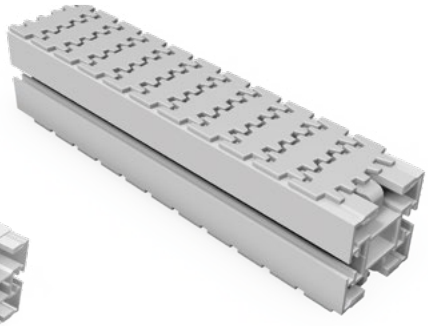
High Speed Performance - Up to 76 mpm

Reduces Conveyor Footprint

Ideal for Curves, Inclines & Declines





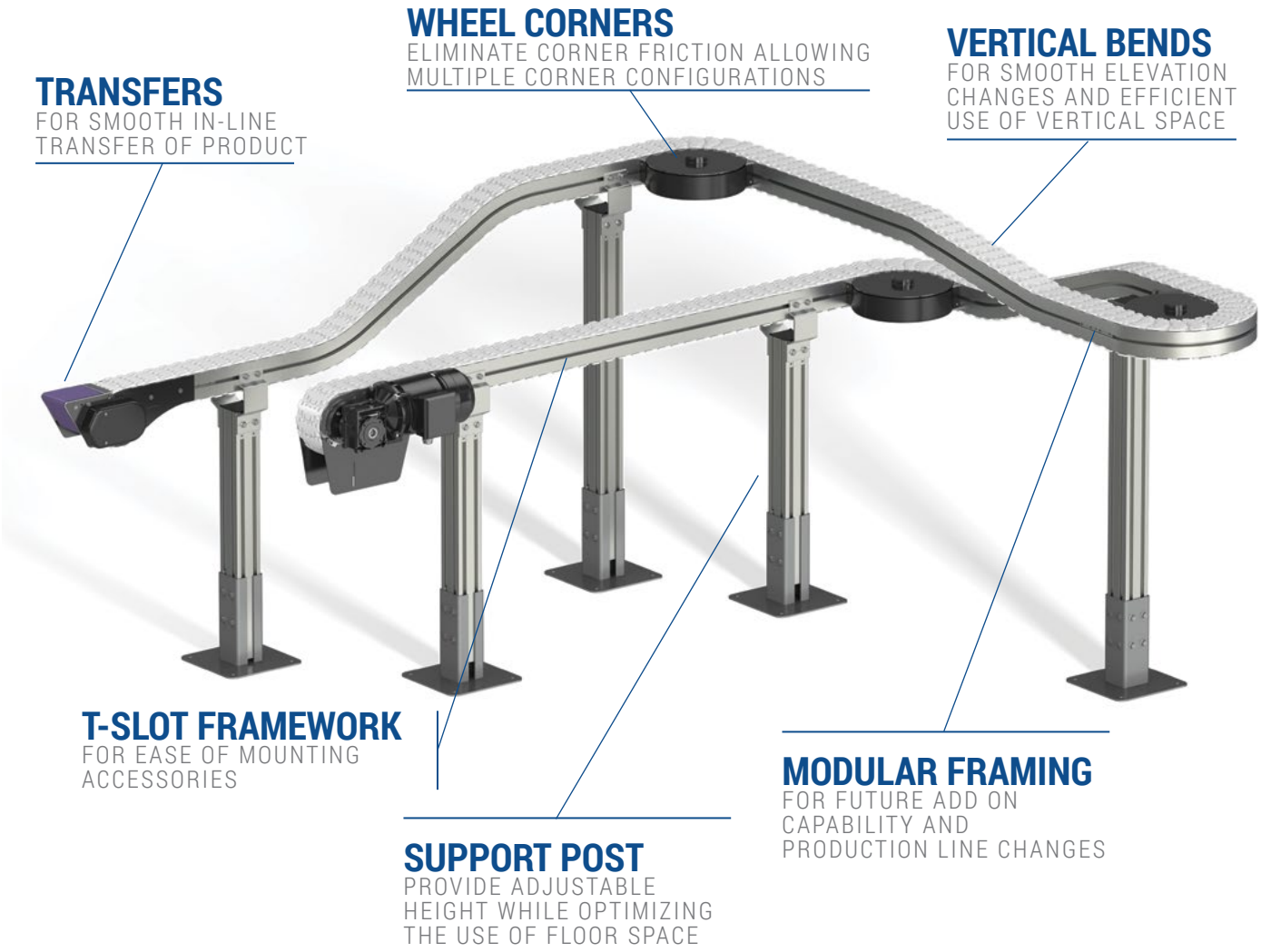


FlexMove®

High Performance, Aluminum, Flexible Chain Conveyors

DORNER®

By Columbus McKinnon



Purchasing a FlexMove Conveyor

Dorner offers two 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.

April 2025

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Basic System Selection

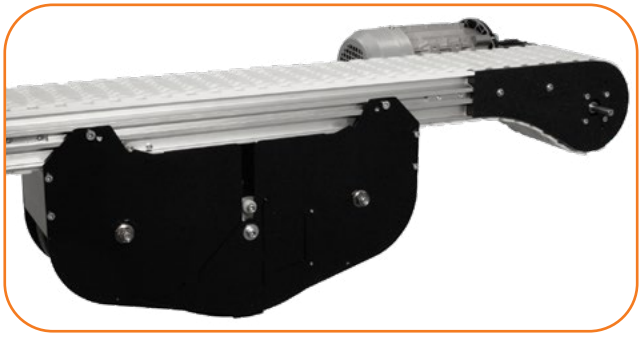
We provide a wide selection of chain sizes to cover a wide variety of product sizes and shapes.
In order to select the right chain size to use in your application, consider the following selection criteria:

- **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 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.

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

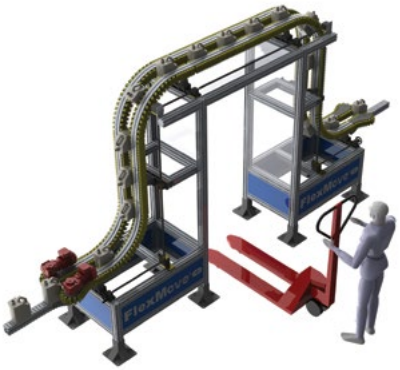
Our wedge conveyors are used to take products from production floor level to a higher level or vice versa. Products are wedged between opposing conveyors lined vertically or horizontally and are moved swiftly but securely.

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



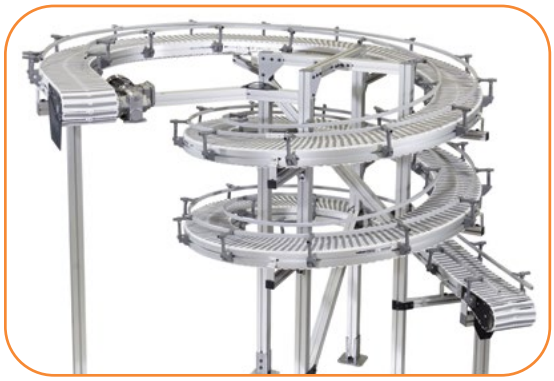
N-Wedge

S-Wedge

TWIST CONVEYORS

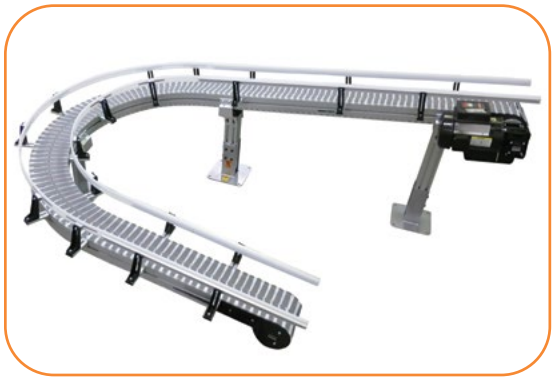
- Positively control the product during rotation
- Provides product rotation for access to multiple sides of packages
- No change over –can handle multiple package sizes at the same time
- No product guiding required
- Products do not need to be gapped or spaced
- Available Widths: 65, 85, 105 and 180 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

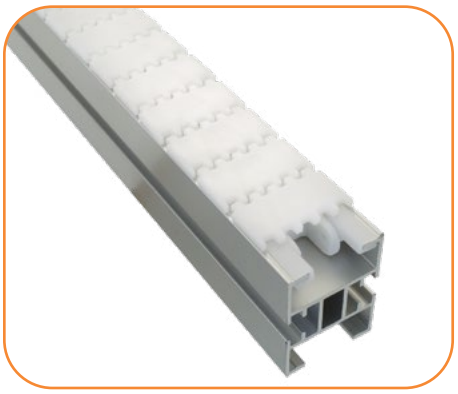
HELICAL CURVE CONVEYORS



- 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

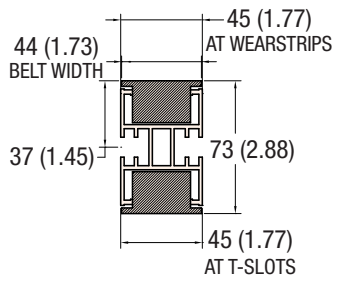
TOP RUNNING LOOP CONVEYORS

- 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

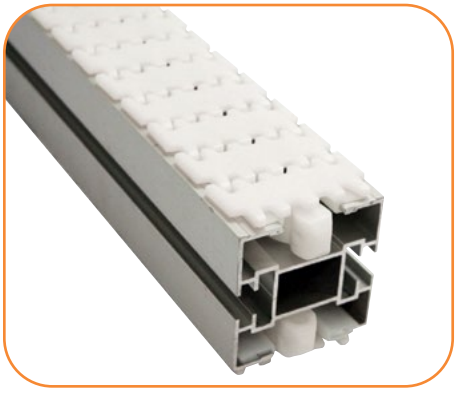


45 mm (1.7 in)

- 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 mm (165 fpm)

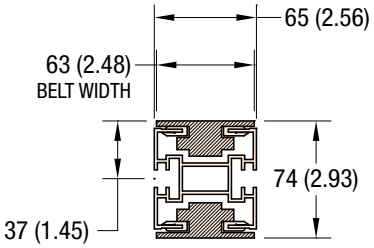


45 MM WIDTH

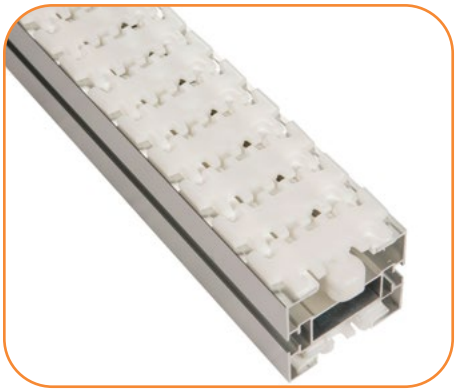


65 mm (2.5 in)

- 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 mm (190 fpm)

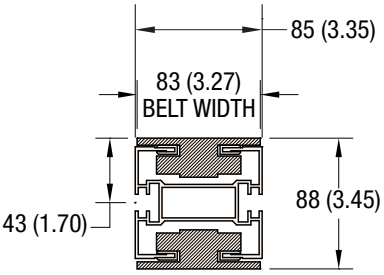


65 MM WIDTH



85 mm (3.4 in)

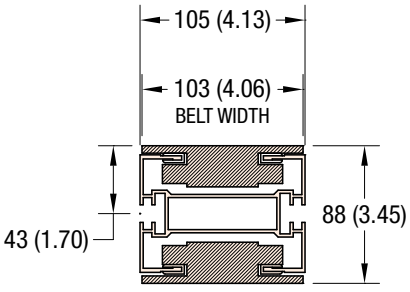
- Maximum load = 60 kg/m (40 lbs/ft)
- Maximum total load = 272 kg (600 lbs) non-accumulated
- Maximum length = 30 m (98 ft)
- Maximum Speed = 58 mm (190 fpm)



85 MM WIDTH

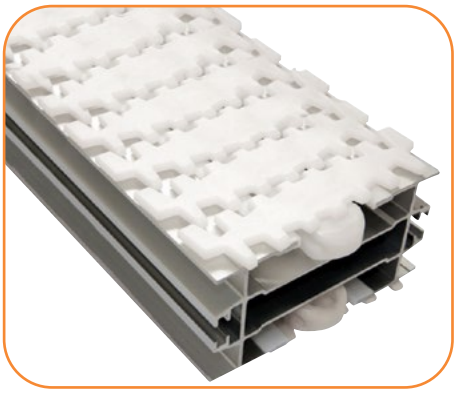
105 mm (4.1 in)

- 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 mm (190 fpm)



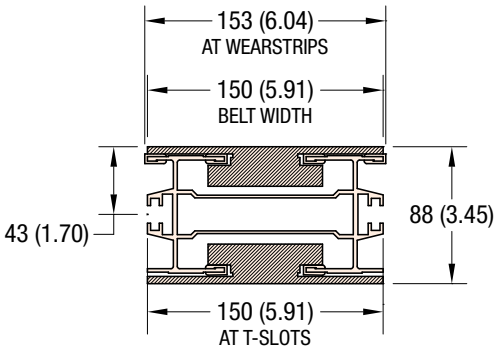
105 MM WIDTH

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)

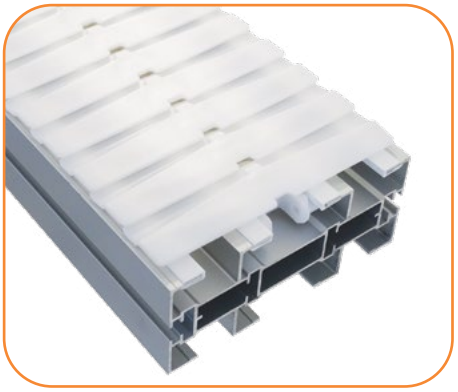


150 mm (5.9 in)

- 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)

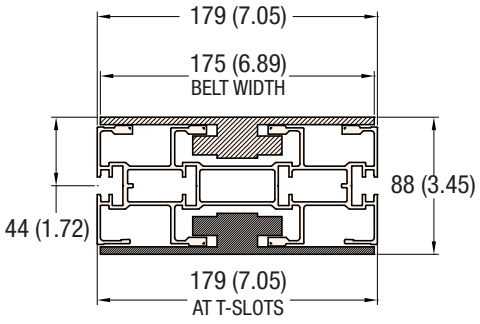


150 MM WIDTH

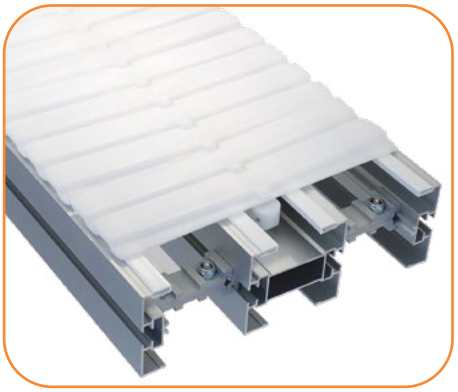


180 mm (7.1 in)

- 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)

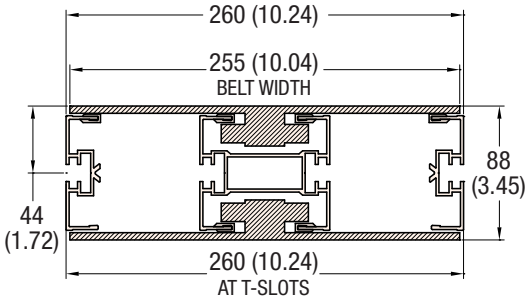


180 MM WIDTH



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

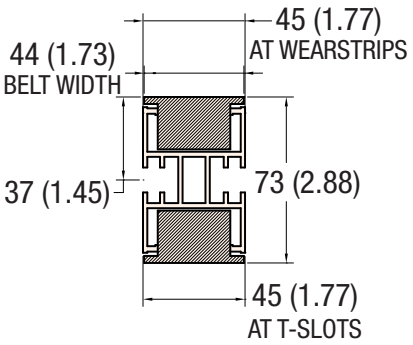
Slide Rail Color: White or Natural Color

Slide Rail Material: HDPE OR UHMW-PE

Slide Rail Rivet: FASLS-M3

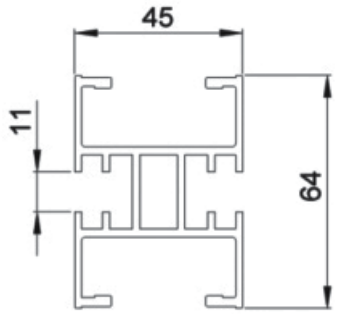
Connecting strip is used to connect two beams.

Connecting Strip: FACS-20x140



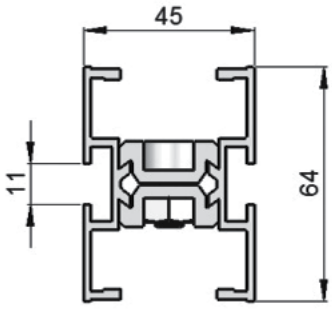
45 MM WIDTH

Conveyor Beam FKCB-3

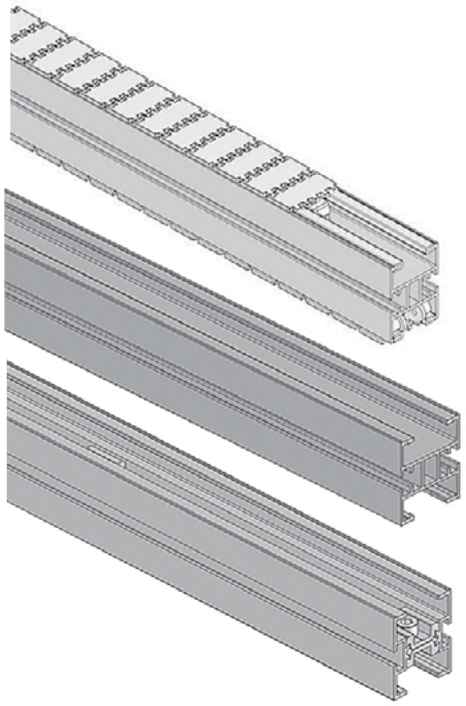


UOM: 3 Meter / Length

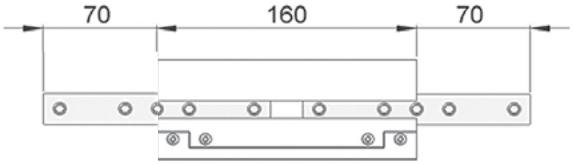
Conveyor Half Beam FKCB-3H



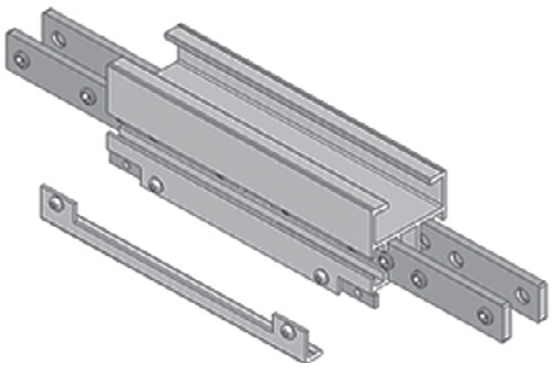
UOM: 3 Meter / Length



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:

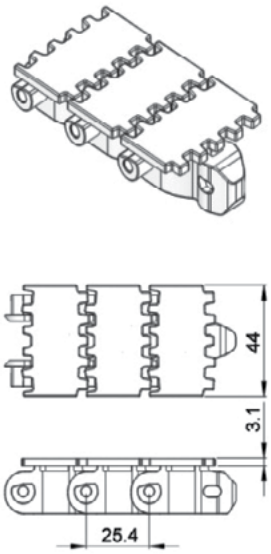
Chain: White Acetal / POM

Pivot: Polyamide

Pivot Pin: Stainless Steel

Insert (Wedge & Friction): TPE Grey

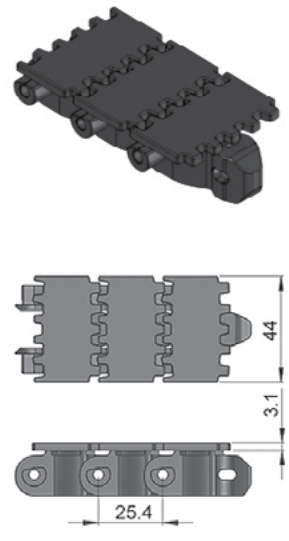
Standard Plain Chain **FKPC-5**



UOM: 5 Meter / box

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

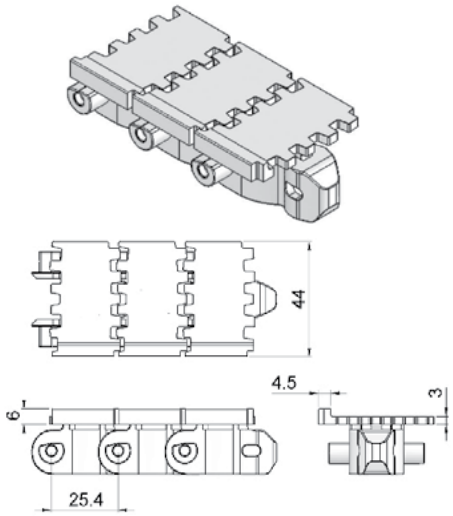
Conductive Chain **FKPC-5CD**



UOM: 5 Meter / box

Application: Suitable for transport of static sensitive product.

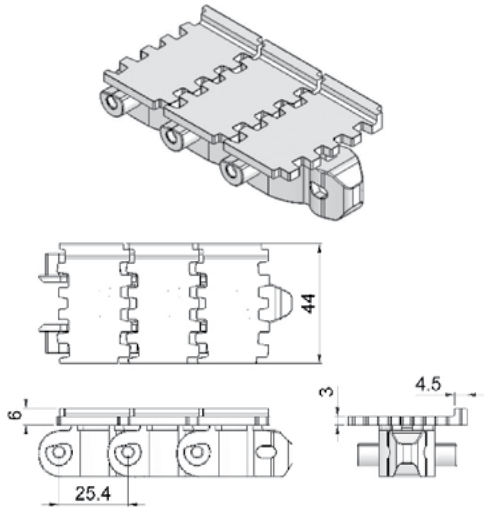
Wedge Top Chain Right **FKWT-5PR**



UOM: 5 Meter / box

Application: Suitable for PET bottle transport.

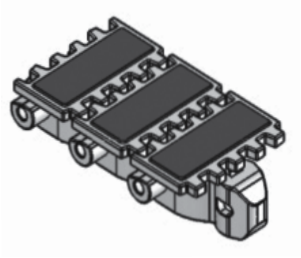
Wedge Top Chain Left **FKWT-5PL**

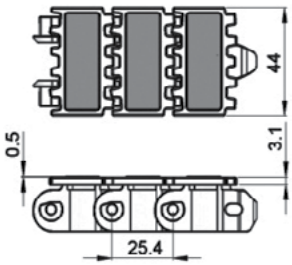


UOM: 5 Meter / box

Application: Suitable for PET bottle transport.

Friction Top Chain **FKFT-5**

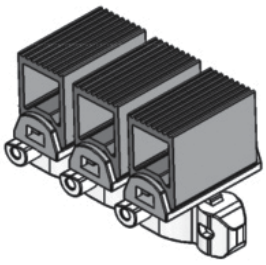


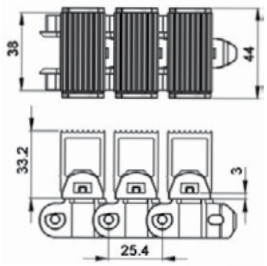


UOM: 5 Meter / box

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

Wedge Top Chain **FKWT-5C**

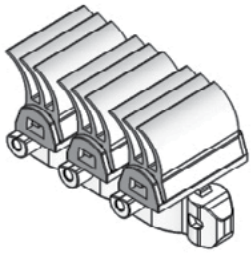


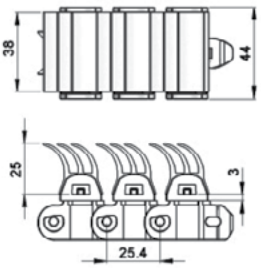


UOM: 5 Meter / box

Application: Vertical Wedge transportation of products.

Wedge Top Chain **FKWT-5D**

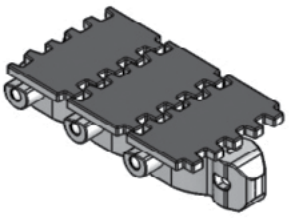


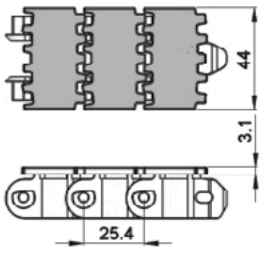


UOM: 5 Meter / box

Application: Vertical Wedge transportation of products.

Flocked Chain **FKFK-5**



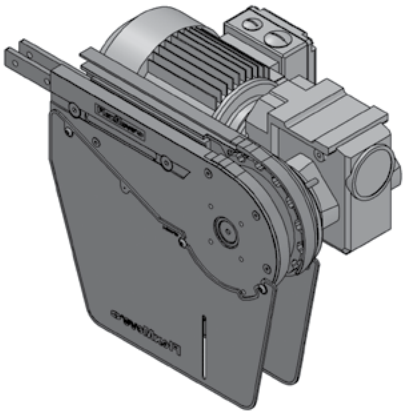


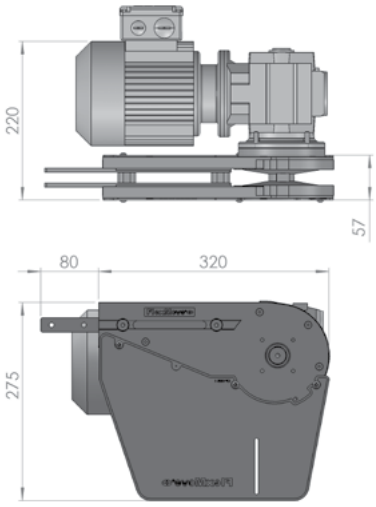
UOM: 5 Meter / box

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

FK Direct End Drive without Motor (LEFT)

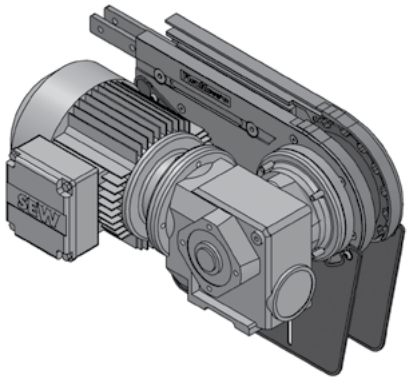
FKDD-A45-XDY (See Chart)





FK Direct End Drive without Motor (RIGHT)

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*		
		A = 20 mm Aux Only	R = Right	A = 20 mm Aux Shaft

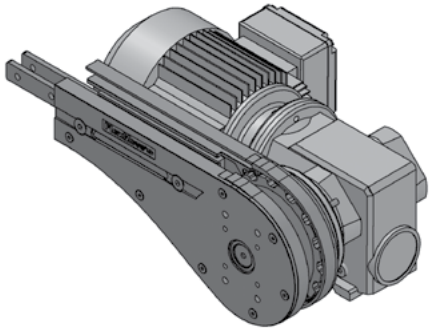
*3/4 inch shaft option available in North America only.

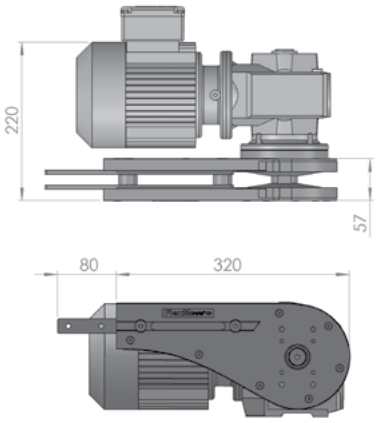
Max Traction Force: 500N
The Direct End Drive Unit is without torque limiter.

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)

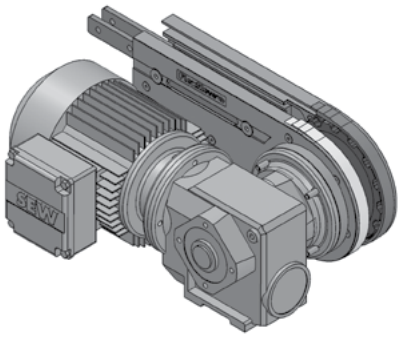
FKDD-A45GP-XDY (See Chart)





FK Direct End Drive without Motor GP (RIGHT)

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*		
		A = 20 mm Aux Only	R = Right	A = 20 mm Aux Shaft

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

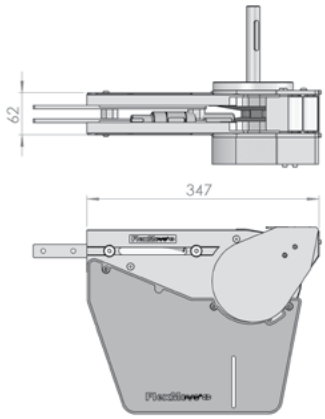
Max Traction Force: 500N
The Direct End Drive Unit GP is without torque limiter.

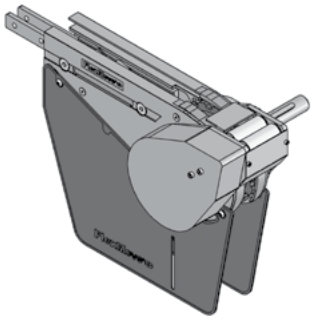
UOM: pc
Chain required 2-way: 0.55 meter
Slide rail required 2-way: 0 meter

SEW gearmotors are products of SEW Eurodrive

FK Direct Drive Driven Transfer Bridge (LEFT)

FKDD-A45DB-A-0L

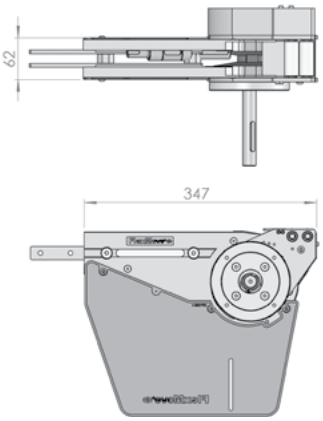




Note: Drive Module is 12 mm wider than conveyor frame.

FK Direct Drive Driven Transfer Bridge (RIGHT)

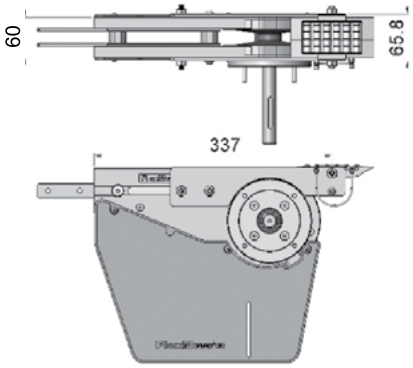
FKDD-A45DB-A-0R

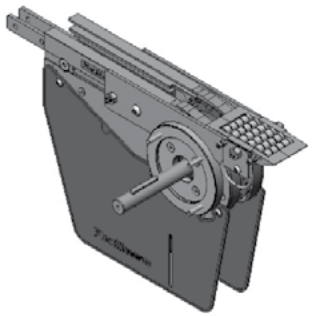


Max Traction Force: 500N
The Direct End Drive Unit is without torque limiter.

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

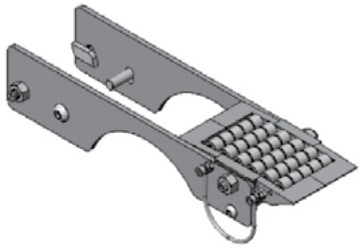
FK Direct Drive Free Roller Transfer Bridge (LEFT/ RIGHT)





FKTB-A45

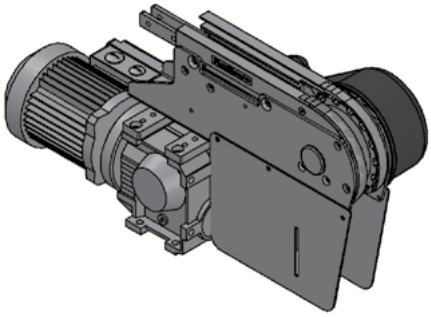
Transfer bridge c/w roller for FSIE-A45
Transfer bridge c/w roller for FSDD-A45-0L
Transfer bridge c/w roller for FSDD-A45-0R

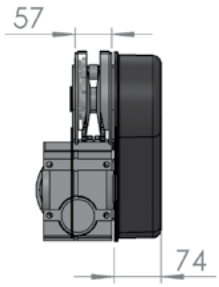


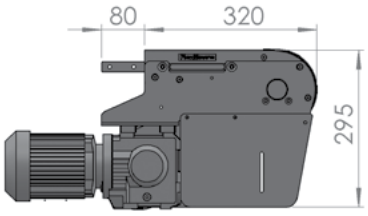
UOM: pc

FK Suspended End Drive without Motor (LEFT)

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





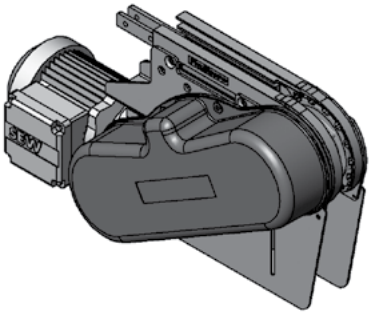


20 mm Shaft only.
Minimum product length for inline transfer = 100 mm
Transfer extends past conveyor only 27 mm

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)

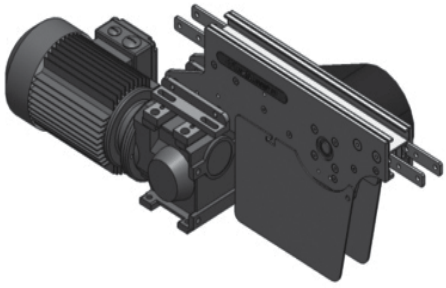


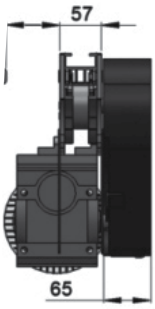
Max Traction Force: 500N
The Suspended End Drive Unit is available with or without torque limiter.

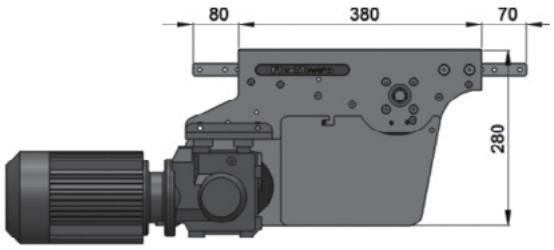
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

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

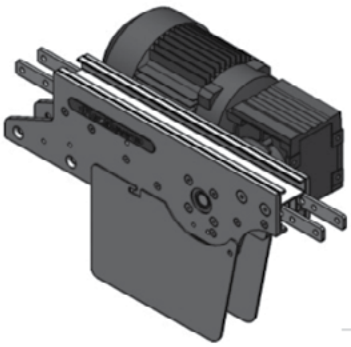
Max Traction Force: 200N
The Suspended Intermediate Drive Unit is with torque limiter.

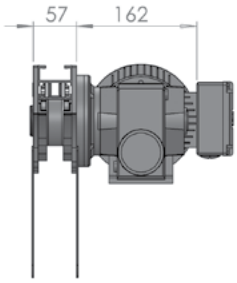
UOM: pc
Chain required 2-way: 1.2 meter
Slide rail required 2-way: 1.1 meter

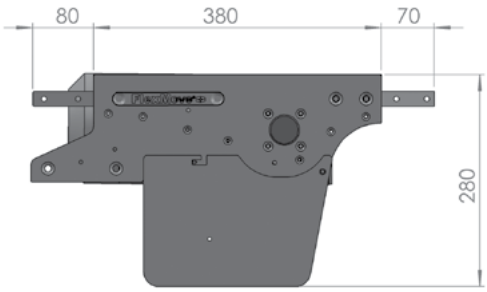
SEW gearmotors are products of SEW Eurodrive

FK Direct Intermediate Drive without Motor (LEFT)

FKID-DD-0L1





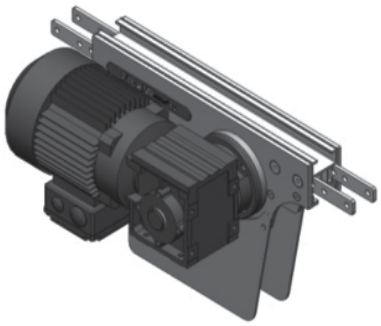


- Located in middle of conveyor to free up drive end.
- Includes torque limiter protecting chain and motor from overload
- Limits chain pull capacity to 200N

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

FK Direct Intermediate Drive without Motor (RIGHT)

FKID-0R1

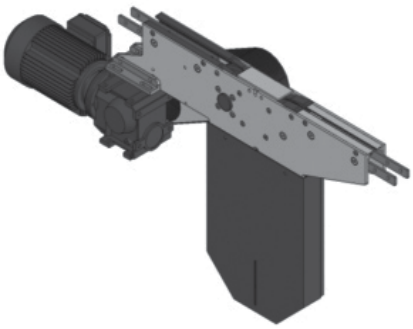


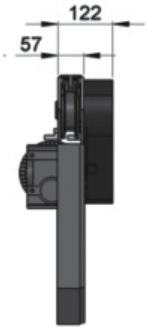
Max Traction Force: 200N
The Direct Intermediate Drive Unit is without torque limiter.

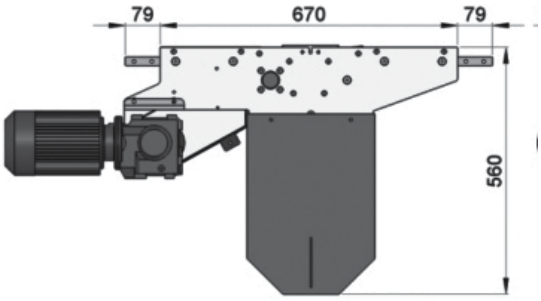
UOM: pc
Chain required 2-way: 1.2 meter
Slide rail required 2-way: 1.1 meter

FK Suspended Catenary Drive without Motor (LEFT)

FKCD-SD-0L

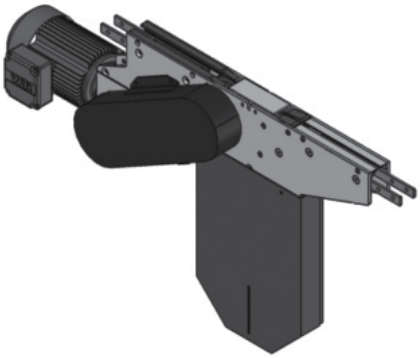






FK Suspended Catenary Drive without Motor (RIGHT)

FKCD-SD-0R



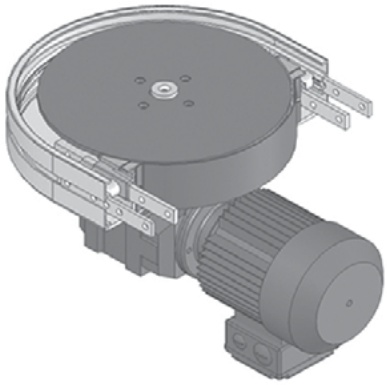
Max Traction Force: 500N
The Suspended Catenary Drive Unit is with torque limiter.

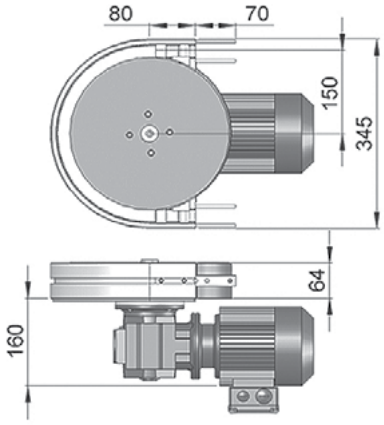
UOM: pc
Chain required 1-way: 1.4 meter
Slide rail required 1-way: 1.0 meter

SEW gearmotors are products of SEW Eurodrive

FK Direct Wheel Drive without Motor

FKWD-DD-0M



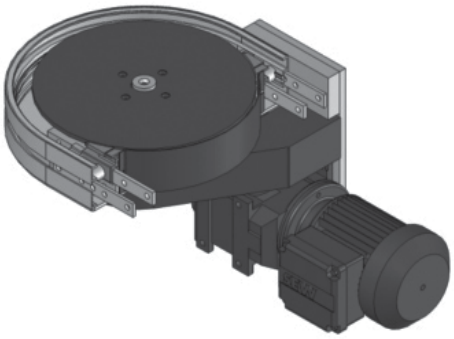


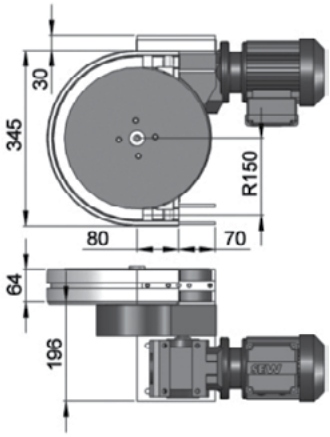
Max Traction Force: 200N
The Drive Wheel Drive Unit is without torque limiter. FKWD-DD-0M represents direct drive without gear motor. Maximum traction force for FKWD-DD is lower than FKDD and FKSD.

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



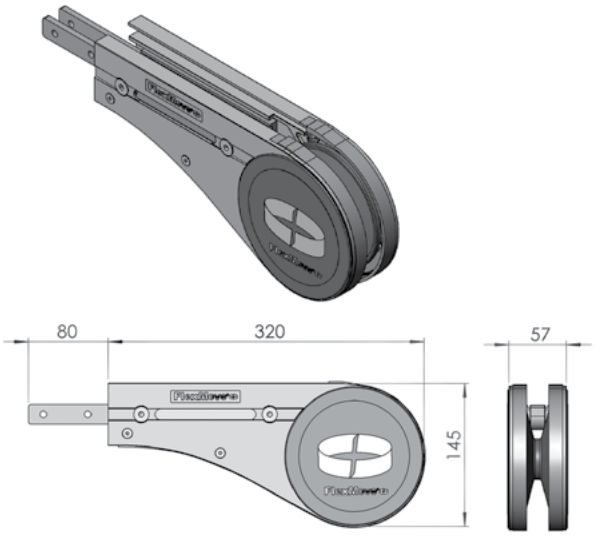


Max Traction Force: 200N
The Suspended Wheel Drive Unit is with torque limiter. FKWD-SD-0M represents direct drive without gear motor. Maximum traction force for FKWD-SD is lower than FKDD and FKSD.

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

FK Idler End-45

FKIE-A45

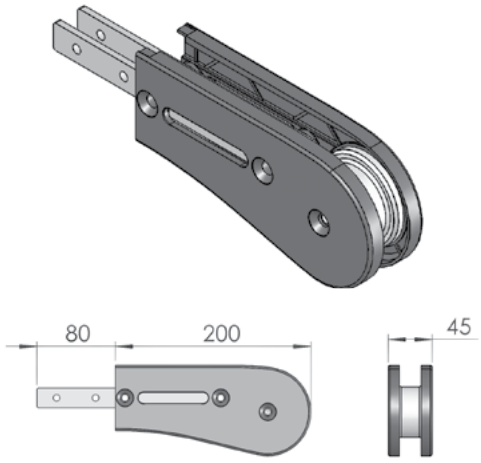


UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5meter

Note: Tail is 12 mm wider than conveyor frame.

FK Idler End-200

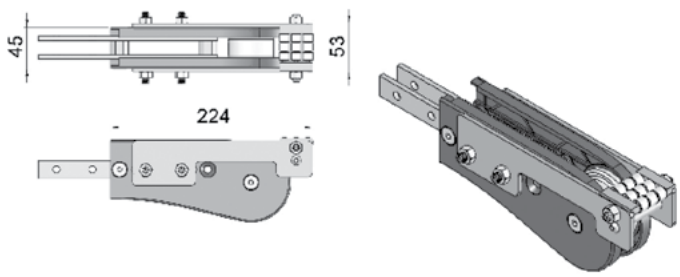
FKIE-200



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

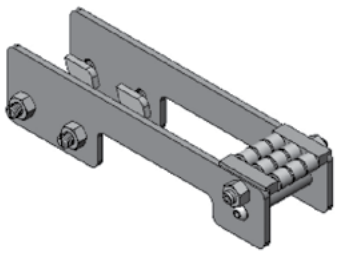
FK Idler-200 End Free Roller Bridge

FKIE-A45EB-200



FKEB-A45-200

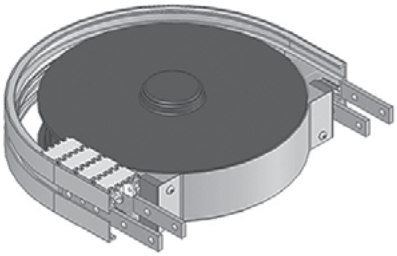
End transfer bridge c/w roller for FKIE-200

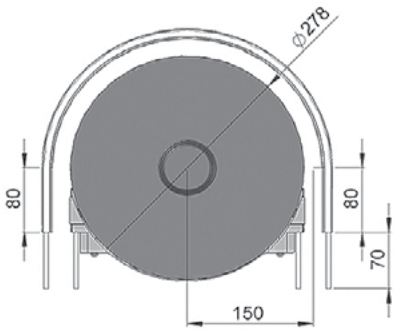


UOM: pc

SEW gearmotors are products of SEW Eurodrive

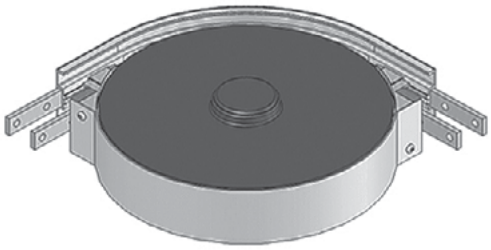
FK Wheel Bend 180° — FKWB-180R150A

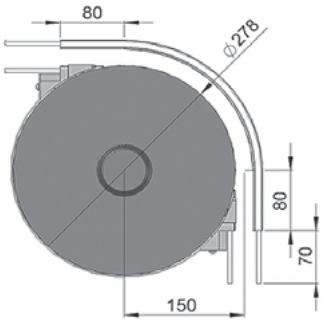




UOM: pc
Chain required 2-way: 1.3 meter
Slide rail required 2-way: 1.3 meter

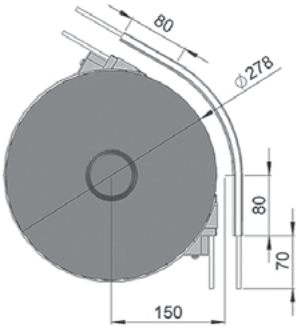
FK Wheel Bend 90° — FKWB-90R150A





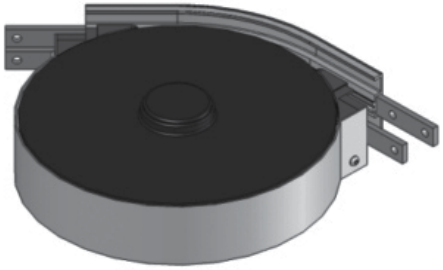
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.8 meter

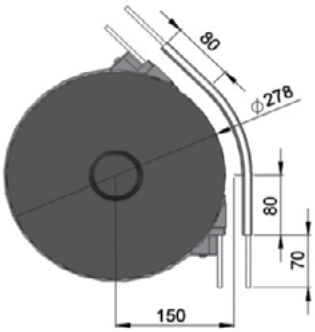
FK Wheel Bend 60° — FKWB-60R150A



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

FK Wheel Bend 45° — FKWB-45R150A

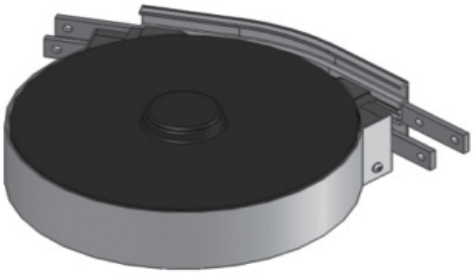


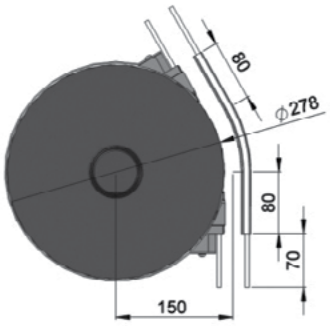


UOM: pc
Chain required 2-way: 0.6 meter
Slide rail required 2-way: 0.6 meter

FK Wheel Bend 30°

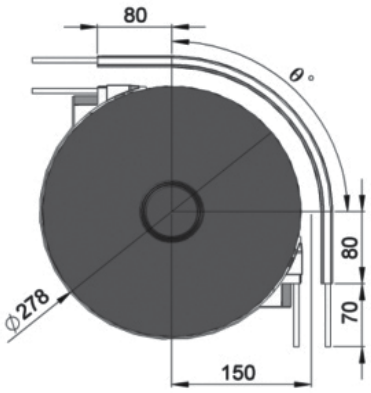
FKWB-30R150A





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

FK Wheel Bend 5° - 180°



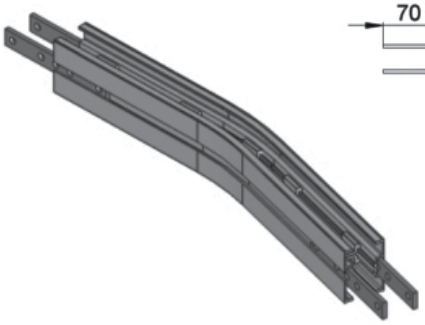
Example for FK Wheel Bend Ordering

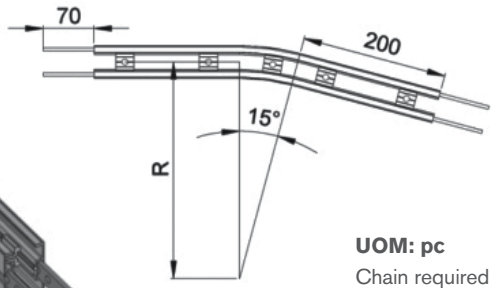
- Wheel bend, Ø° ± 1°
- FKWB-Ø°R150A

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 Ø° must be indicated when ordering.

FK Horizontal Plain Bend 15°



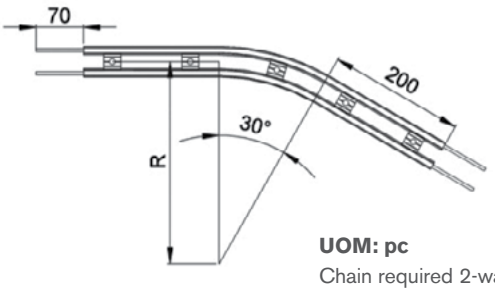


Horizontal plain bend, 15° ± 1°

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°

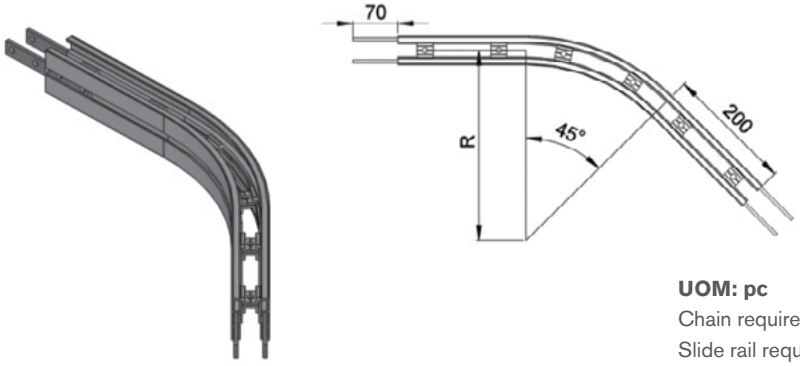


Horizontal plain bend, 30° ± 1°

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°

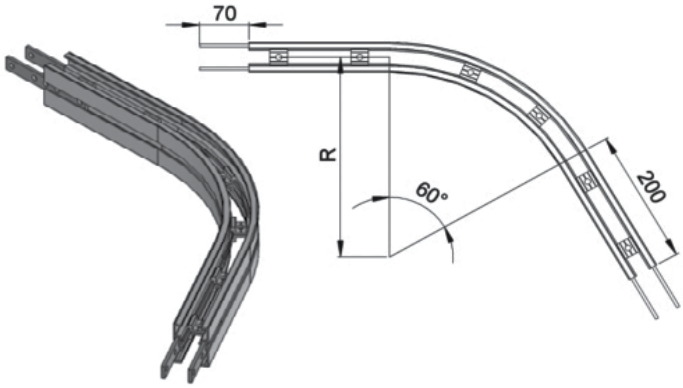
R = 300 ± 10 mm	**FKHB-45R300**
R = 500 ± 10 mm	**FKHB-45R500**
R = 700 ± 10 mm	**FKHB-45R700**
R = 1000 ± 10 mm	**FKHB-45R1000**

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°

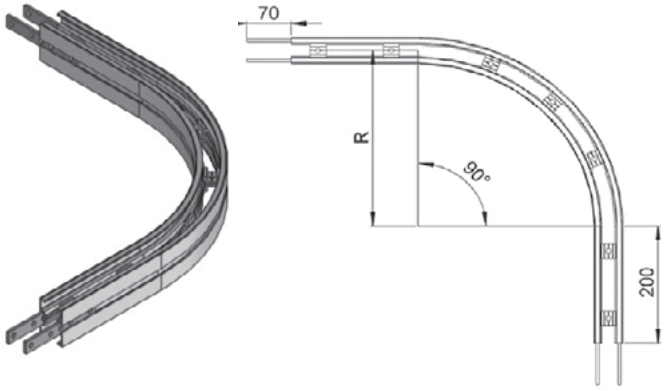
R = 300 ± 10 mm	**FKHB-60R300**
R = 500 ± 10 mm	**FKHB-60R500**
R = 700 ± 10 mm	**FKHB-60R700**
R = 1000 ± 10 mm	**FKHB-60R1000**

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°

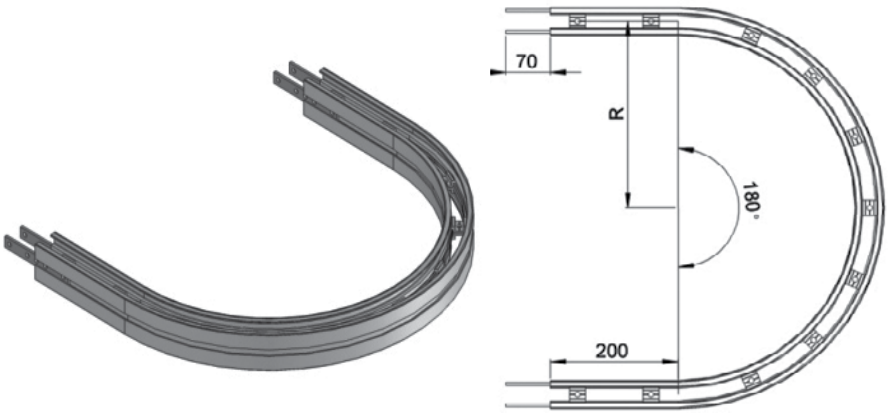
R = 300 ± 10 mm	**FKHB-90R300**
R = 500 ± 10 mm	**FKHB-90R500**
R = 700 ± 10 mm	**FKHB-90R700**
R = 1000 ± 10 mm	**FKHB-90R1000**

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°

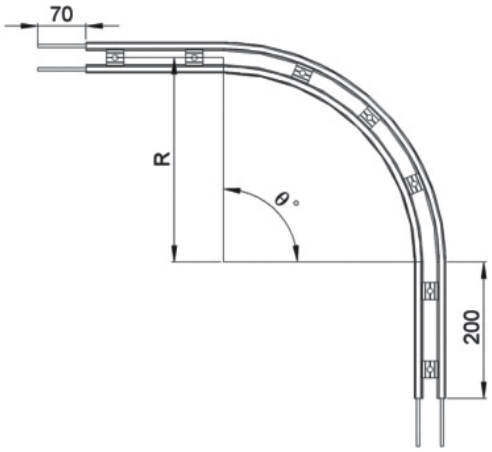


Horizontal plain bend, 180° ± 1°

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°

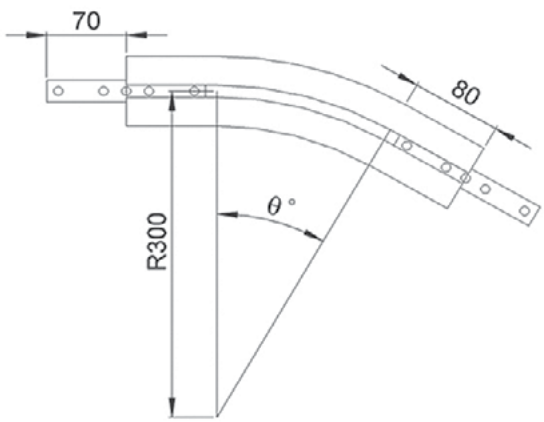
R = 300 ± 10 mm	**FKHB- Ø°R300**
R = 500 ± 10 mm	**FKHB- Ø°R500**
R = 700 ± 10 mm	**FKHB- Ø°R700**
R = 1000 ± 10 mm	**FKHB- Ø°R1000**

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

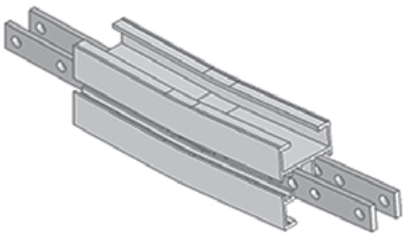
If an angle of 65° is needed for vertical bend, the ordering part number is

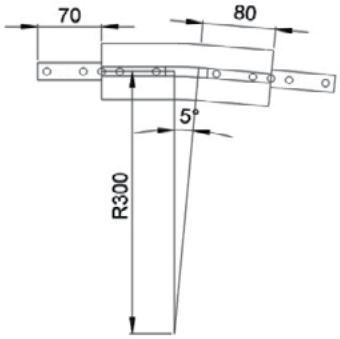
FKVB-65R300

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

FK Vertical Bend 5°

FKVB-5R300

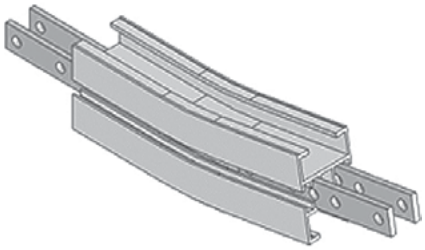


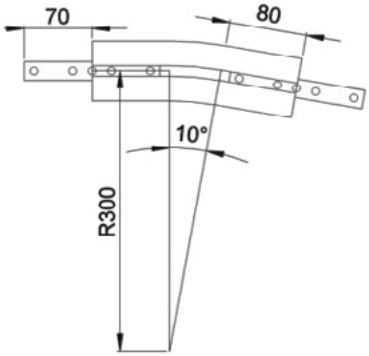


UOM: pc
Chain required 2-way: 0.4 meter
Slide rail required 2-way: 0.7 meter

FK Vertical Bend 10°

FKVB-10R300

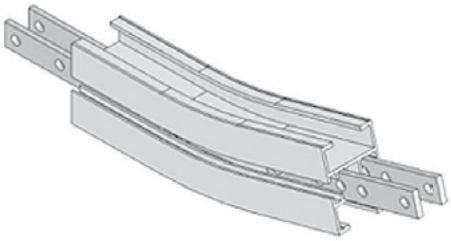


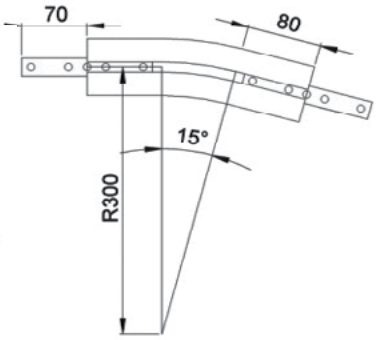


UOM: pc
Chain required 2-way: 0.4 meter
Slide rail required 2-way: 0.8 meter

FK Vertical Bend 15°

FKVB-15R300

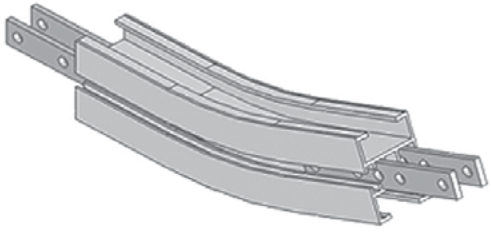


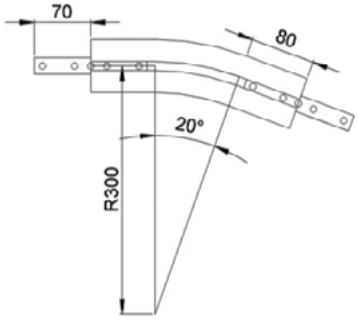


UOM: pc
Chain required 2-way: 0.5 meter
Slide rail required 2-way: 1.0 meter

FK Vertical Bend 20°

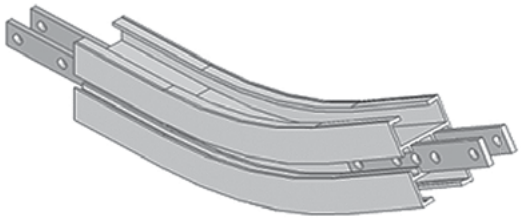
FKVB-20R300

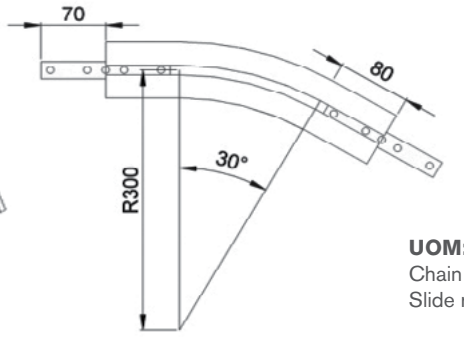




UOM: pc
Chain required 2-way: 0.5 meter
Slide rail required 2-way: 1.1 meter

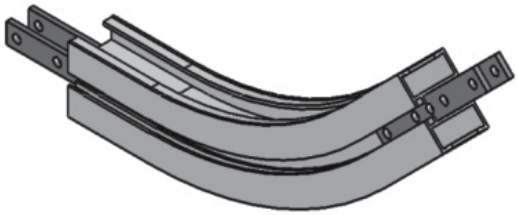
FK Vertical Bend 30° — FKVB-30R300

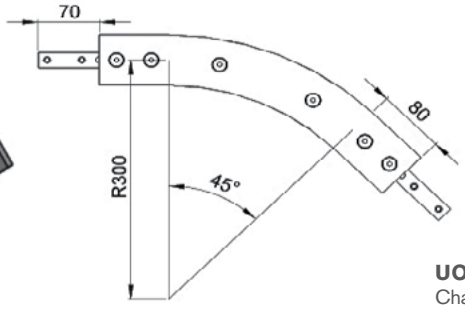




UOM: pc
Chain required 2-way: 0.6 meter
Slide rail required 2-way: 1.3 meter

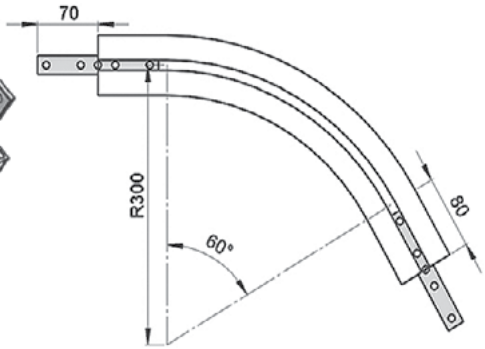
FK Vertical Bend 45° — FKVB-45R300





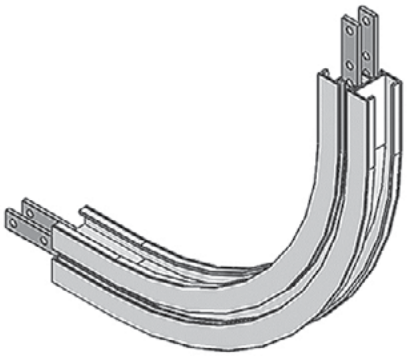
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 1.6 meter

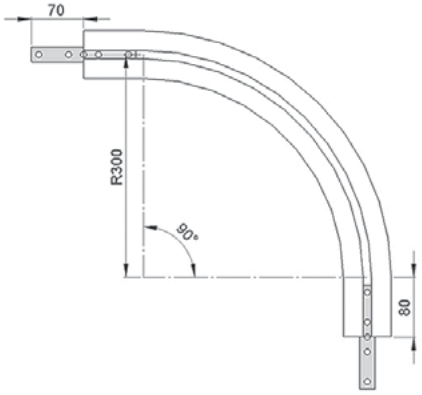
FK Vertical Bend 60° — FKVB-60R300



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

FK Vertical Bend 90° — FKVB-90R300

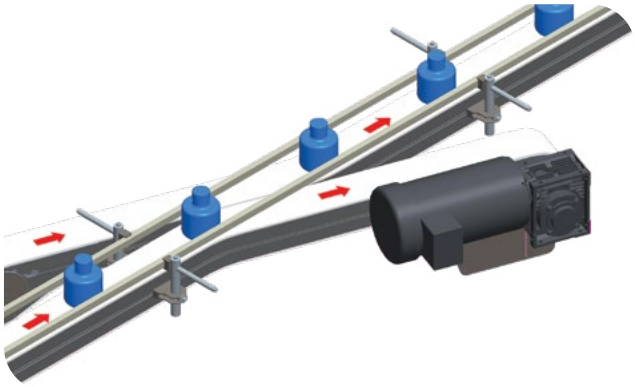




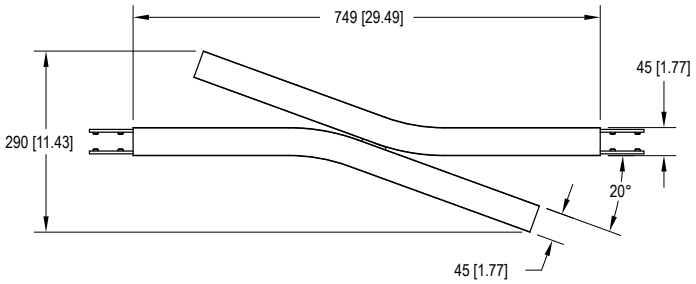
UOM: pc
Chain required 2-way: 1.3 meter
Slide rail required 2-way: 2.5 meter

FK X In-Line Transfer Module

FKXT-045



- X In-Line Modules provide a standard, compact way to side transfer product from conveyor to conveyor.
- Straight guiding is placed across the transfer module for smooth In-Line product flow
- Conveyors are mounted together to provide a smooth transfer even for small products
- X In-Line transfers are compact in the length direction



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

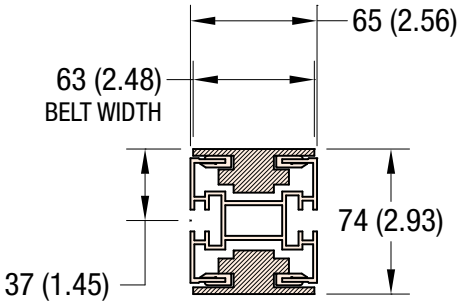
Slide Rail Color: White or Natural Color

Slide Rail Material: HDPE OR UHMW-PE

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

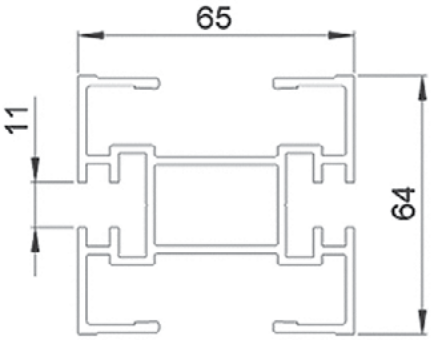
Connecting strip is used to connect two beams.

Connecting Strip: FACS-25x140A

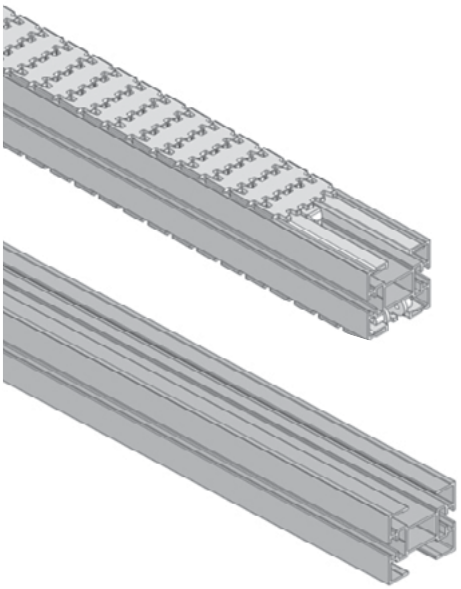


65 MM WIDTH

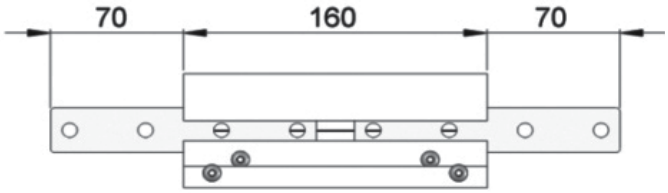
Conveyor Beam FSCB-3



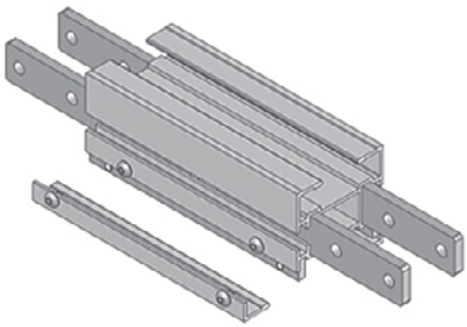
UOM: 3 Meter / Length



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

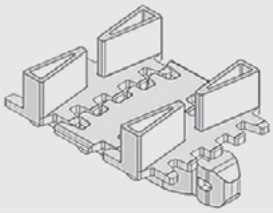
Pivot: Polyamide

Pivot Pin: Stainless Steel

Insert (Wedge & Friction): TPE Grey

Example for FSCT-5A17-L#

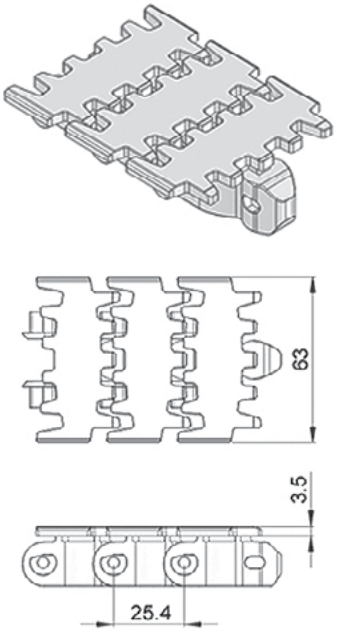
 # = 1 cleated top chain with alternate of # link of plain chain



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

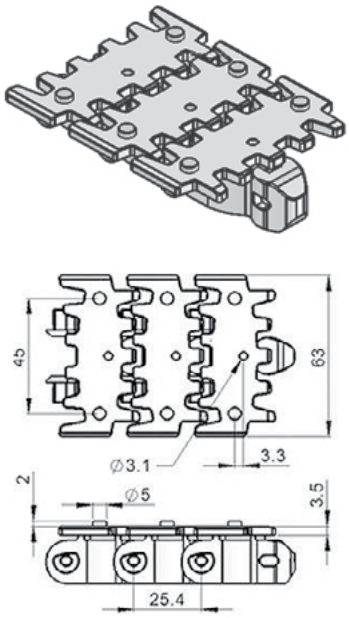
Standard Plain Chain **FSPC-5**



UOM: 5 Meter / box

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

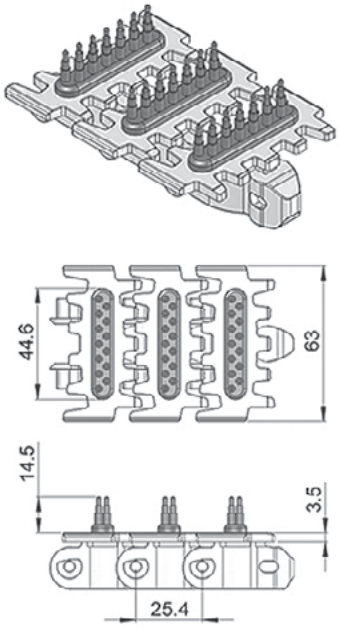
Universal Chain **FSUC-5**



UOM: 5 Meter / box

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

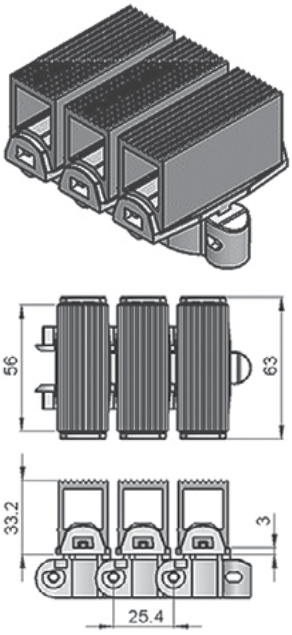
Wedge Top Chain **FSWT-5A**



UOM: 5 Meter / box

Application: Vertical Wedge transportation of products.

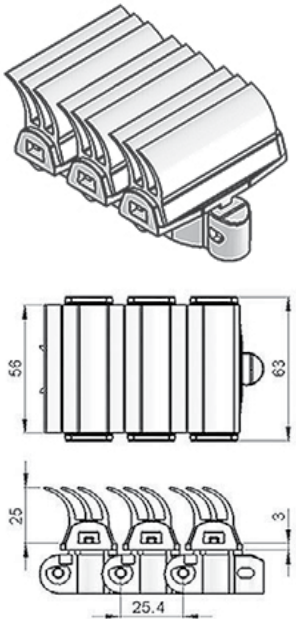
Wedge Top Chain **FSWT-5C**



UOM: 5 Meter / box

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

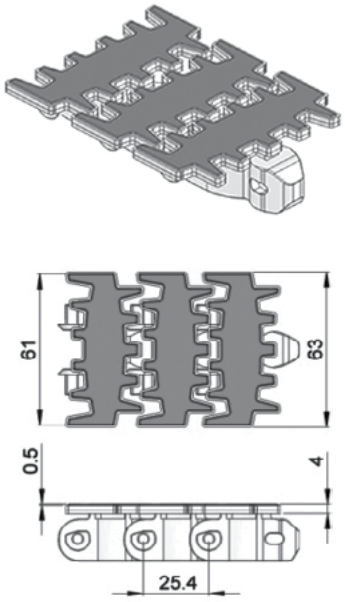
Wedge Top Chain **FSWT-5D**



UOM: 5 Meter / box

Application: Vertical Wedge transportation of products.

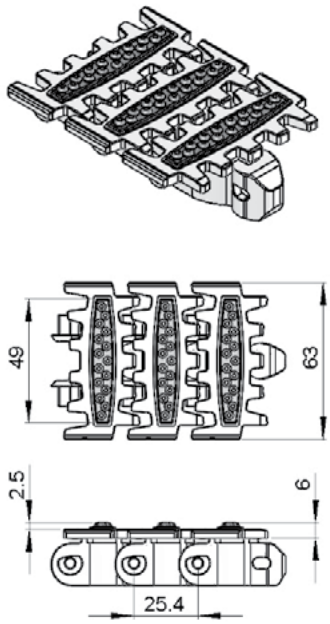
Friction Top Chain **FSFT-5**



UOM: 5 Meter / box

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

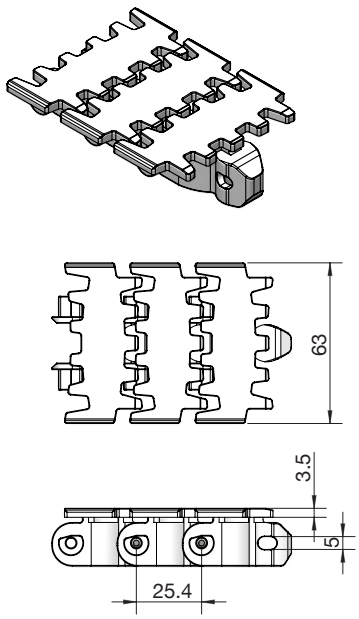
Friction Top Chain **FSFT-5C**



UOM: 5 Meter / box

Application: Suitable for transport product in slope > 5° but ≤ 35° without accumulation. Subject to product weight and packing

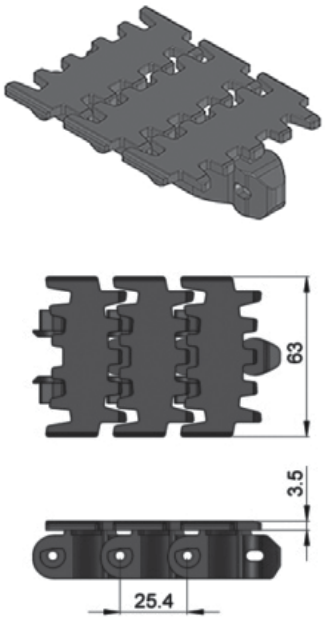
Twist Chain **FSPC-5M**



UOM: 5 Meter / box

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

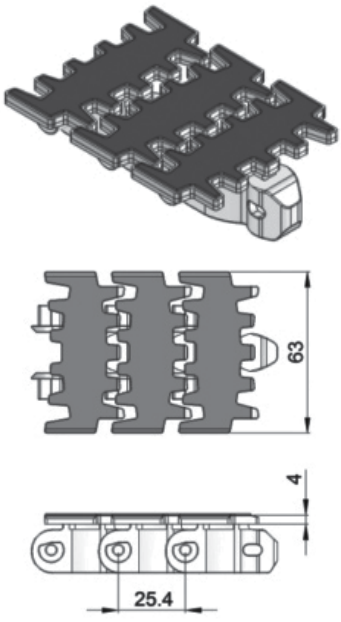
Conductive Chain **FSPC-5CD**



UOM: 5 Meter / box

Application: Suitable for transport of static sensitive product.

Flocked Chain **FSFK-5**

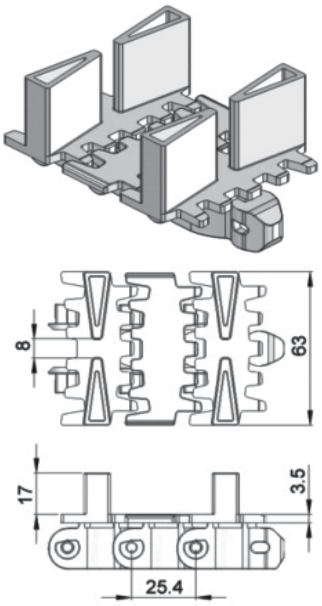


UOM: 5 Meter / box

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

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

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

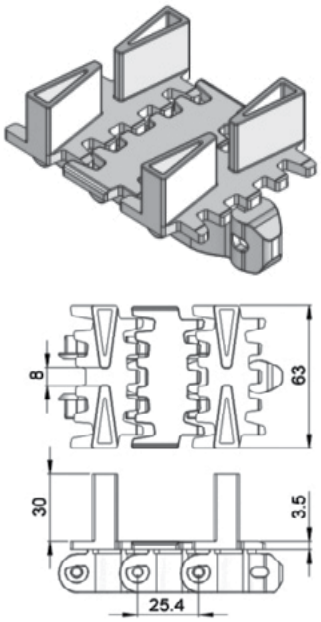


UOM: 5 Meter / box

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

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

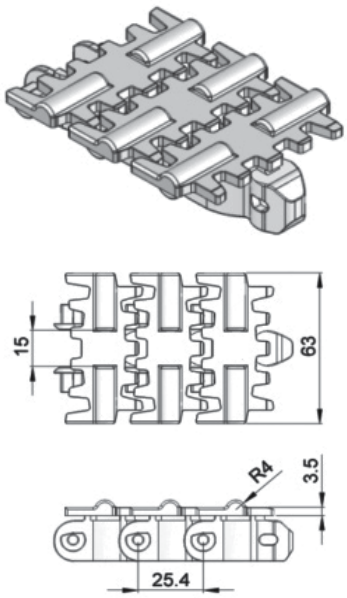
 # = 1, 2, 3, 4, 5.....20



UOM: 5 Meter / box

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

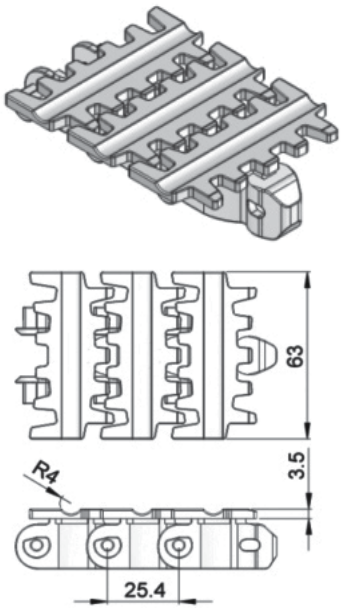
Cleat Top Chain-B **FSCT-5B**



UOM: 5 Meter / box

Application: Suitable Cigarette transport.

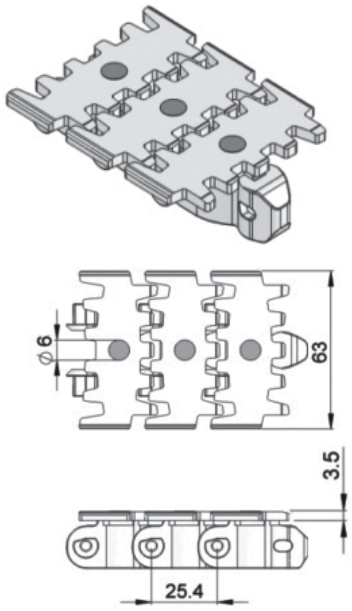
Cleat Top Chain-C **FSCT-5C**



UOM: 5 Meter / box

Application: Suitable for Cigarette transport.

Magnet Top Chain **FSMT-5**

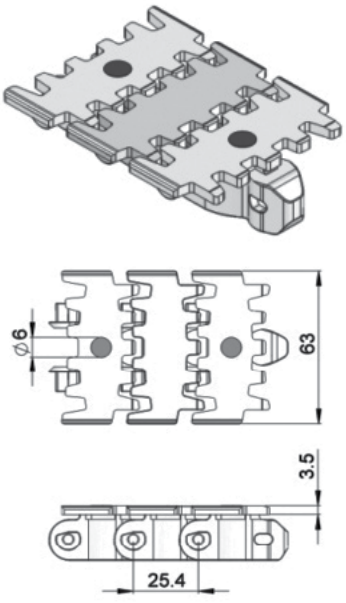


UOM: 5 Meter / box

Application: Suitable for conveying ferromagnetic products in slope.

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

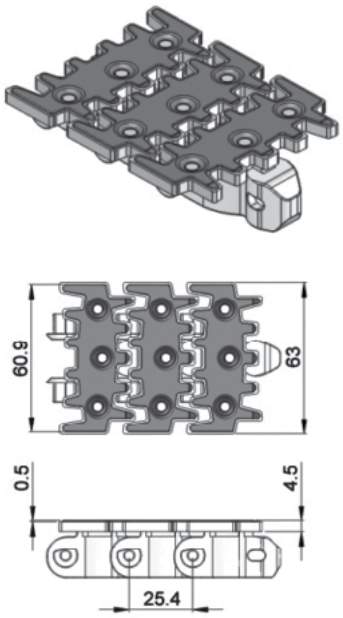
 # = 1, 2, 3, 4, 5.....20



UOM: 5 Meter / box

Application: Suitable for conveying ferromagnetic products in slope.

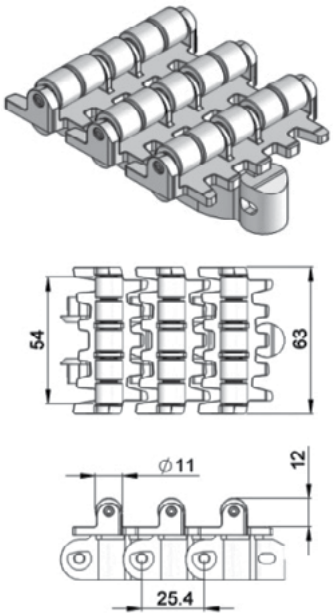
Stainless Steel Top Chain **FSST-5S**



UOM: 5 Meter / box

Application: Suitable to transport metal products in accumulation.

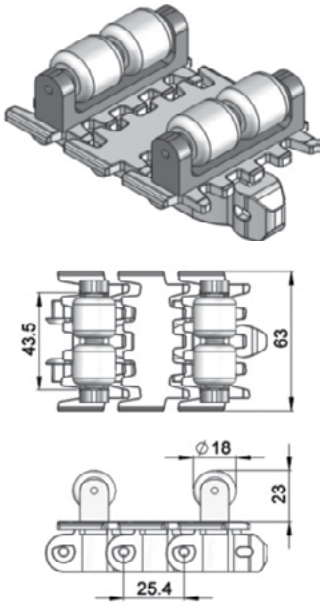
Roller Top Chain **FSRT-5**



UOM: 5 Meter / box

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

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

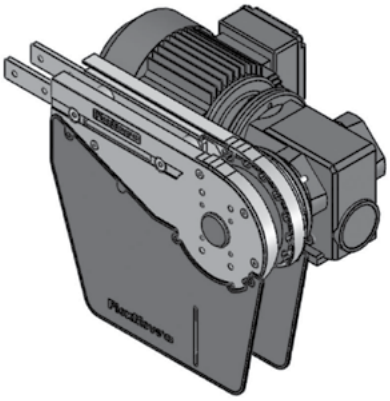


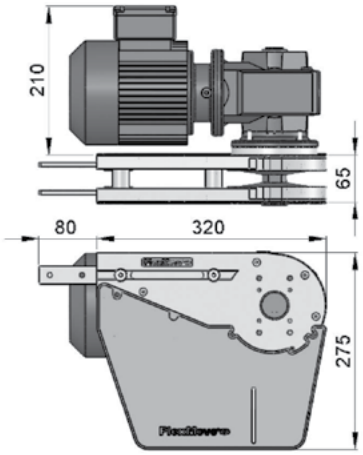
UOM: 5 Meter / box

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

FS Direct End Drive without Motor (LEFT)

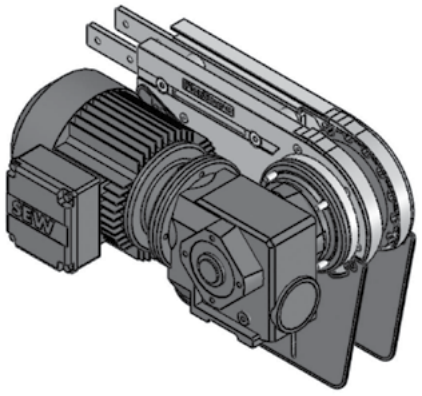
FSDD-A65-XDY (See Chart)





FS Direct End Drive without Motor (RIGHT)

FSDD-A65-XDY (See Chart)



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*		
		A = 20 mm Aux Only	R = Right	A = 20 mm Aux Shaft

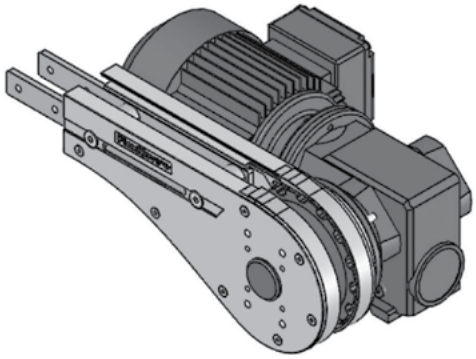
*3/4 inch shaft option available in North America only.

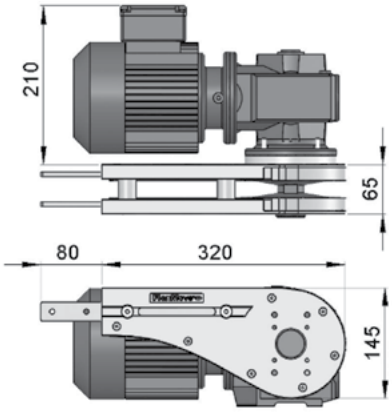
Max Traction Force: 500N
The Drive End Drive Unit is without torque limiter.

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

FS Direct End Drive without Motor GP (LEFT)

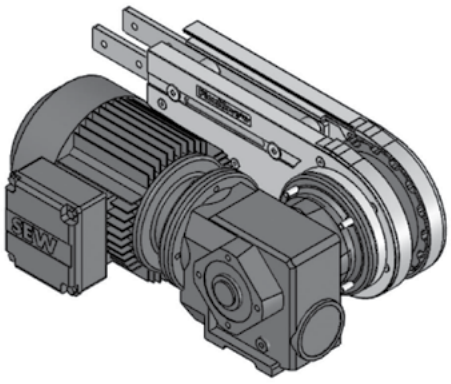
FSDD-A65GP-XDY (See Chart)





FS Direct End Drive without Motor GP (RIGHT)

FSDD-A65GP-XDY (See Chart)



Requires the use of connecting or weighted take-up 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*		
		A = 20 mm Aux Only	R = Right	A = 20 mm Aux Shaft

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

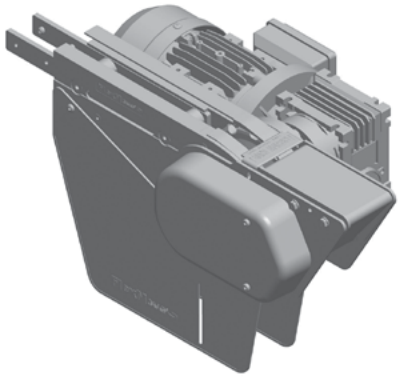
Max Traction Force: 500N
The Direct End Drive Unit GP is without torque limiter.

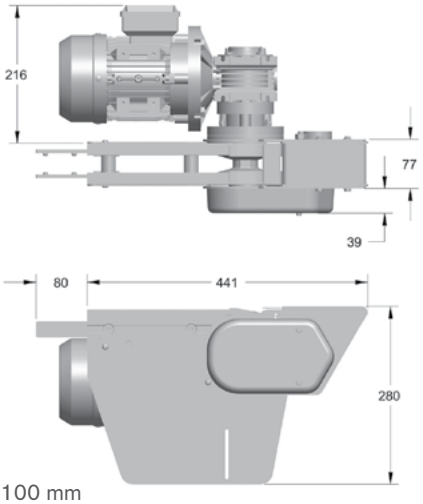
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

SEW gearmotors are products of SEW Eurodrive

FS Direct with Power Transfer Motor (LEFT)

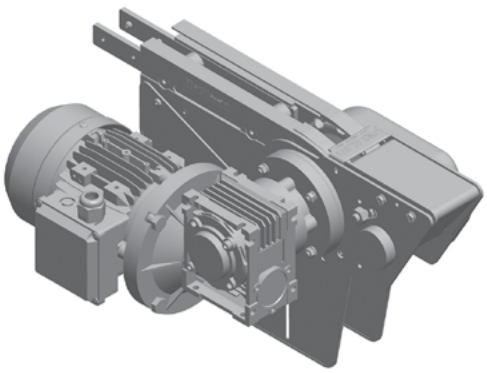
FSDD-A65PT-XD (See Chart)





FS Direct with Power Transfer Motor (RIGHT)

FSDD-A65PT-XD (See Chart)



Minimum product length for inline transfer = 100 mm
Maximum speed is 30 m/min (100 ft/min)
Only one power transfer needed on either infeed or discharge trail required for end to end transer.
Provides extended transfer nose for interfacing with large rollers.

Max Traction Force: 500N
The Drive End Drive Unit is without torque limiter.

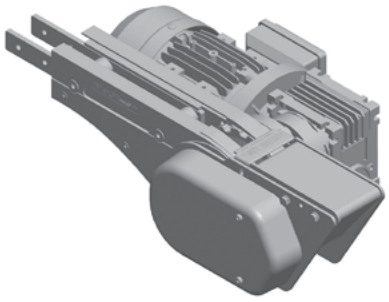
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

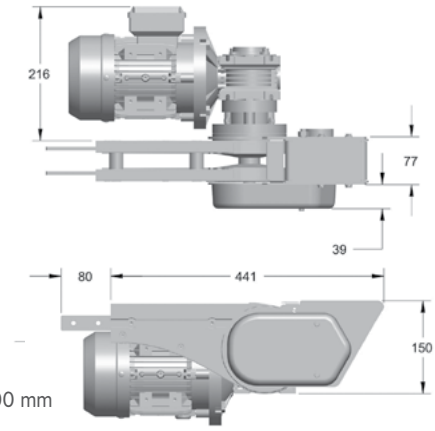
Part Number		Shaft Selection	Direction
FSDD–A65PT	–	X	D
		0 = 20 mm	L = Left
		E = 3/4 in*	R = Right

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

FS GP Direct with Power Transfer Motor (LEFT)

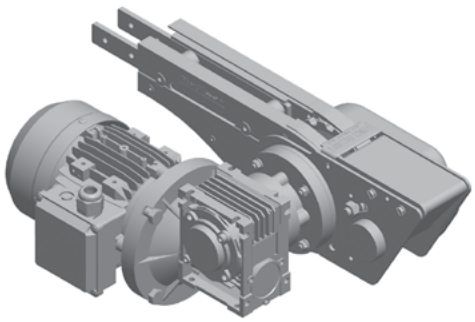
FSDD-A65GPPT-XD (See Chart)





FS GP Direct with Power Transfer Motor (RIGHT)

FSDD-A65GPPT-XD (See Chart)



Minimum product length for inline transfer = 100 mm
Maximum speed is 30 m/min (100 ft/min)
Only one power transfer needed on either infeed or discharge trail required for end to end transer.
Provides extended transfer nose for interfacing with large rollers.
Requires the use of connecting or weighted take-up module for chain maintenance.

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

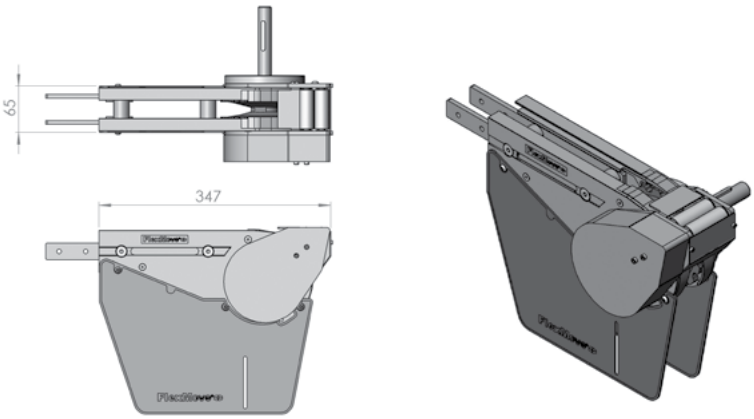
Part Number		Shaft Selection	Direction
FSDD–A65GPPT	–	X	D
		0 = 20 mm	L = Left
		E = 3/4 in*	R = Right

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

SEW gearmotors are products of SEW Eurodrive

FS Direct Drive Driven Transfer Bridge **(LEFT)**

FSDD-A65DB-A-0L

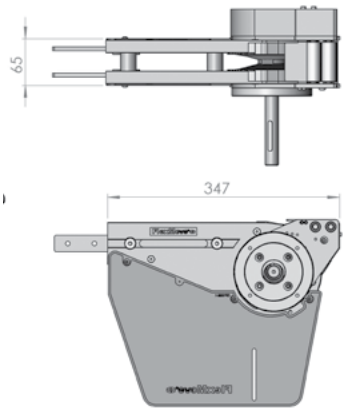


UOM: pc

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)**

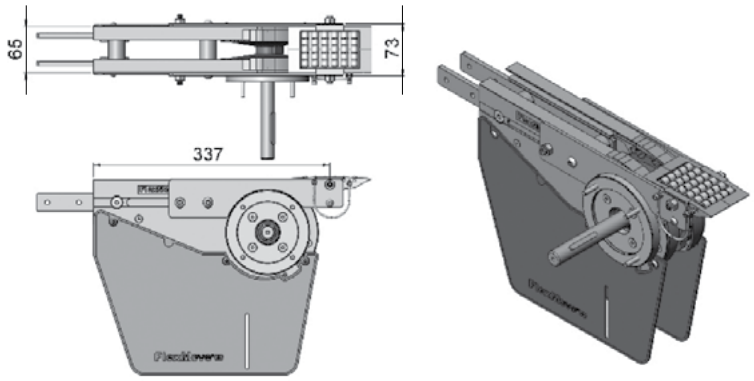
FSDD-A65DB-A-0R



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

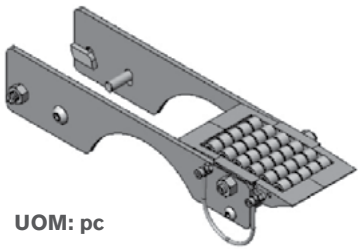
FS Direct Drive Free Roller Transfer Bridge



Roller transfer bridge is sold separately.

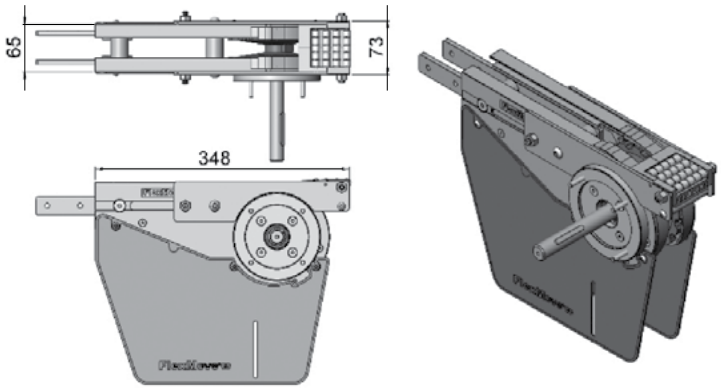
FSTB-A65

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



UOM: pc

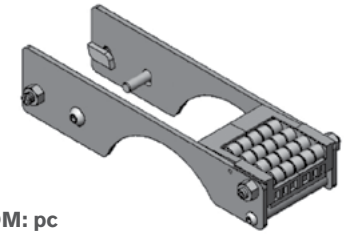
FS Direct Drive End Free Roller Bridge **(LEFT/RIGHT)**



Roller transfer bridge is sold separately.

FSEB-A65

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

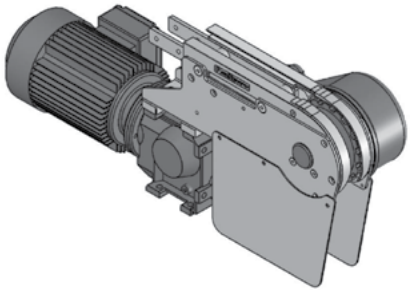


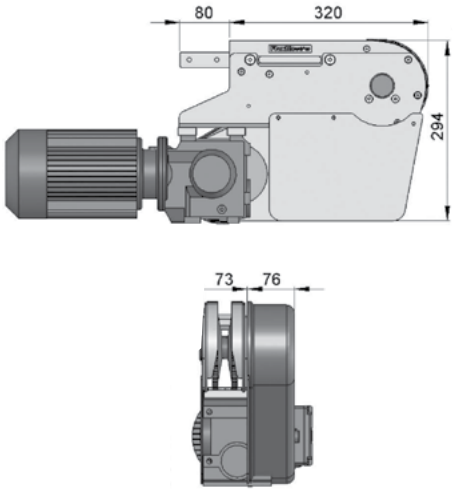
UOM: pc

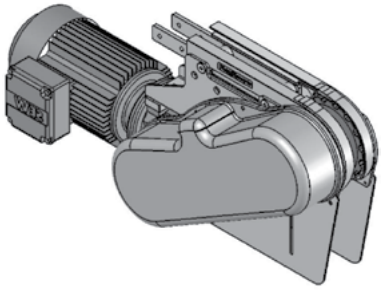
SEW gearmotors are products of SEW Eurodrive

FS Suspended End Drive without Motor **(LEFT)**

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







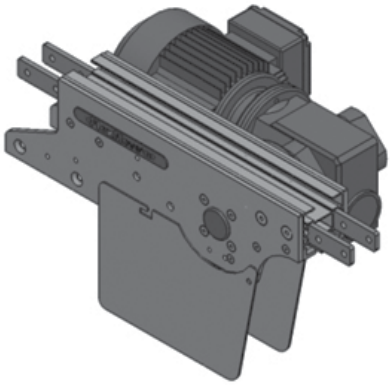
- Locates gearmotor below conveyor for compact applications.
- Includes torque limiter protecting chain and motor from overload.
- Maintains chain pull capacity at 500N.

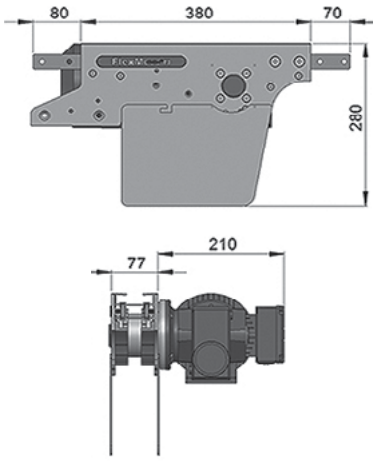
Max Traction Force: 500N
The Suspended End Drive Unit is available with and without torque limiter.

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

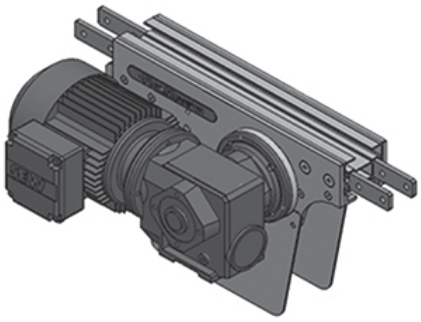




Located in middle section of conveyor to free up drive end.

FS Direct Intermediate Drive without Motor **(RIGHT)**

FSID-DD-0R1

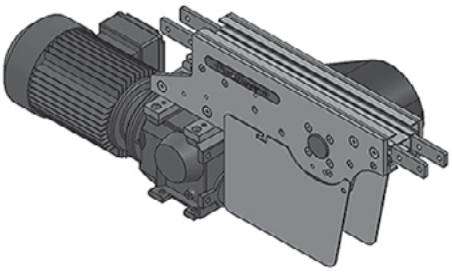


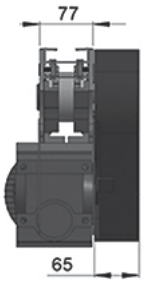
Max Traction Force: 200N
The Direct Intermediate Drive Unit is without torque limiter.

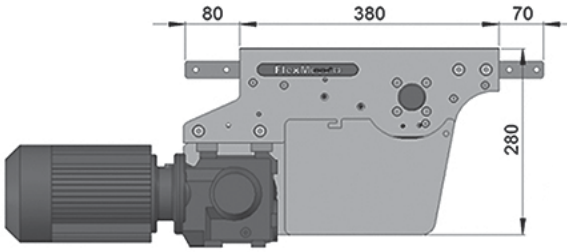
SEW gearmotors are products of SEW Eurodrive

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

FSID-SD-0L1



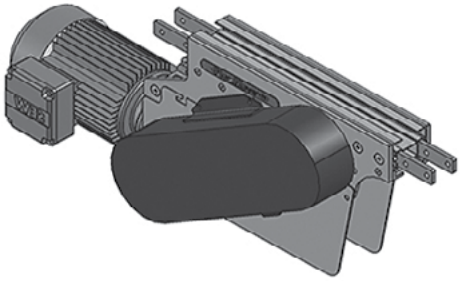




- Located in middle of conveyor to free up drive end.
- Includes torque limiter protecting chain and motor from overload.
- Limits chain pull capacity at 200N.

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

FSID-SD-0R1

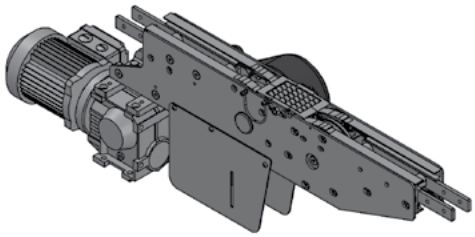


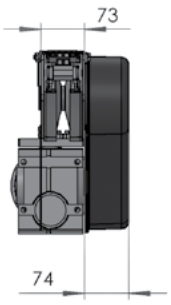
Max Traction Force: 200N
The Suspended Intermediate Drive Unit is with torque limiter.

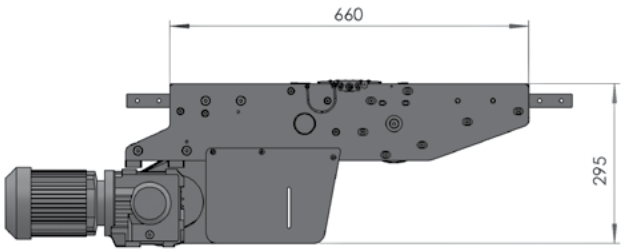
UOM: pc
Chain required 2-way: 1.2 meter
Slide rail required 2-way: 1.1 meter

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

FSCDI-SD-A65-0L

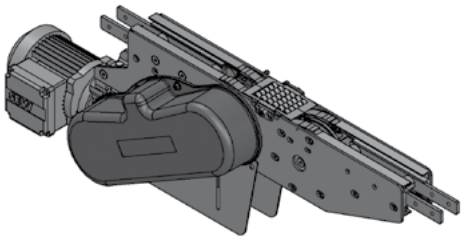






FS Combined Suspended Drive & Idler **(RIGHT)**

FSCDI-SD-A65-0R



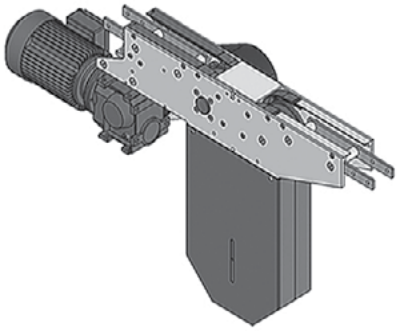
Max Traction Force: 500N
The Combine Suspended End Drive Unit is with torque limiter.

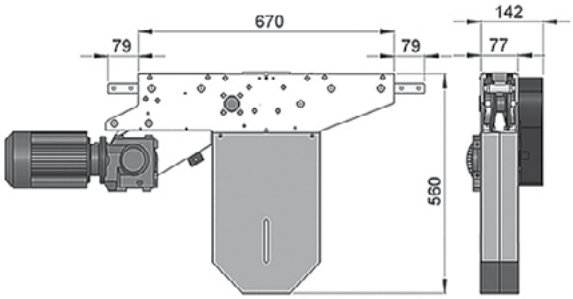
UOM: pc
Chain required 2-way: 1.6 meter
Slide rail required 2-way: 1.0 meter

SEW gearmotors are products of SEW Eurodrive

FS Suspended Catenary Drive without Motor **(LEFT)**

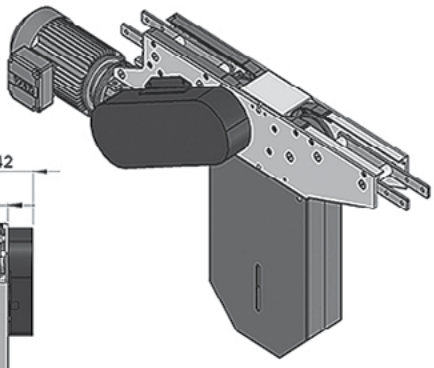
FSCD-SD





FS Suspended Catenary Drive without Motor **(RIGHT)**

FSCD-SD

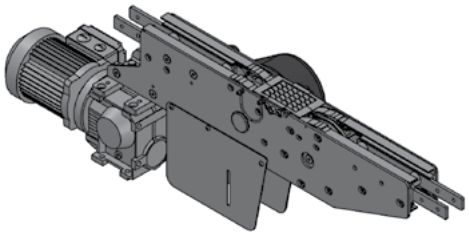


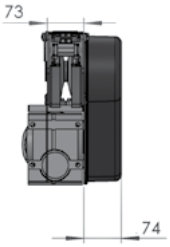
Max Traction Force: 500N
The Suspended Catenary Drive Unit is without torque limiter.

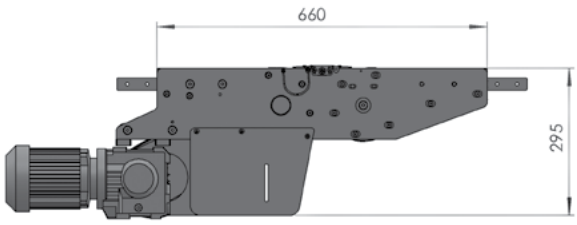
UOM: pc
Chain required 1-way: 1.4 meter
Slide rail required 1-way: 1.0 meter

FS Combined Direct Drive & Idler **(LEFT)**

FSCDI-DD-A65

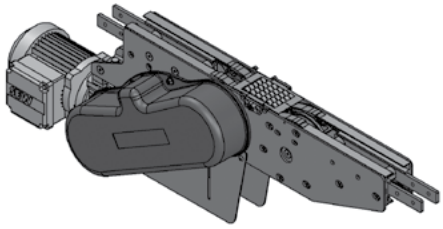






FS Combined Direct Drive & Idler **(RIGHT)**

FSCDI-DD-A65



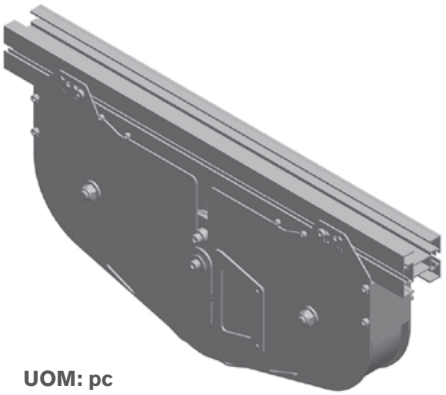
Max Traction Force: 500N
The Combine Direct End Drive Unit is without torque limiter.

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

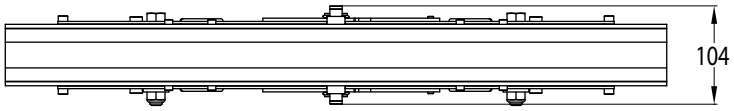
SEW gearmotors are products of SEW Eurodrive

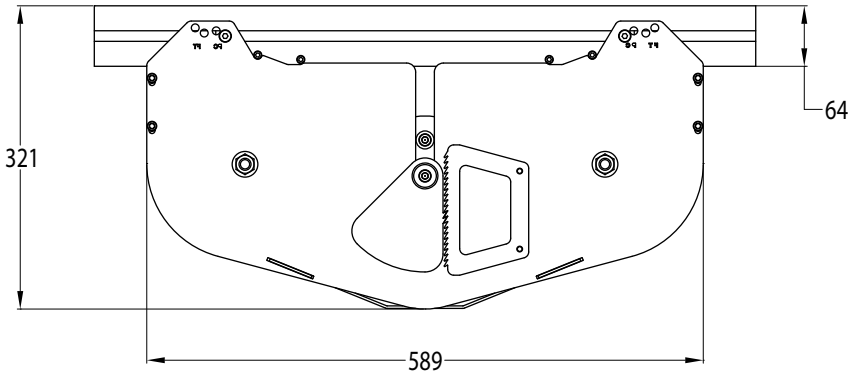
FS Weighted Take-up Module

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

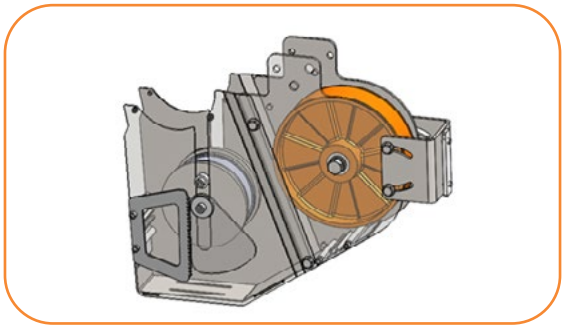


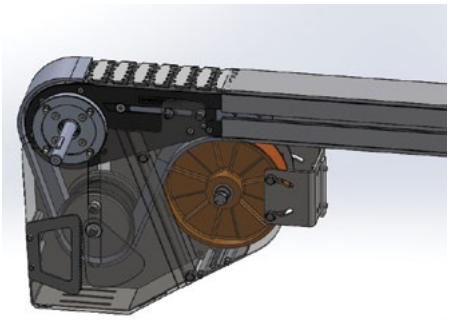


UOM: pc
Chain required 1.5 meter
Slide rail required 2.1 meter

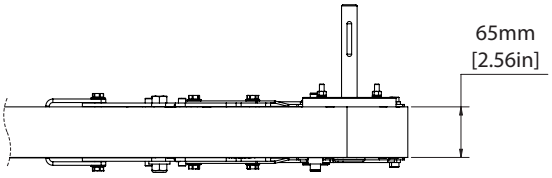
FS Weighted Take-up Tail Module

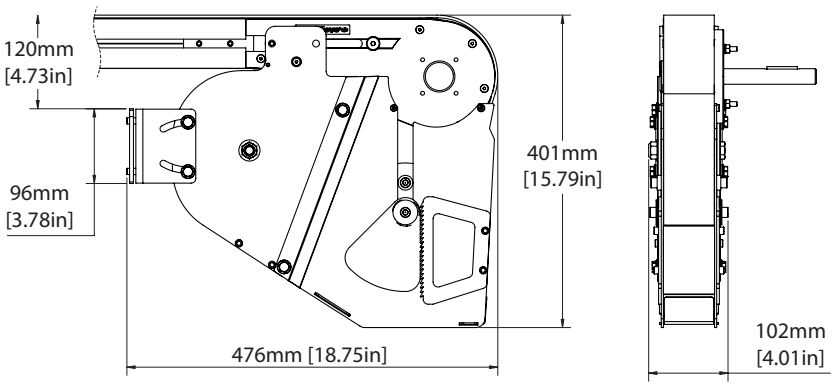
FS-WTU-065





- Provides controlled chain take-up for improved conveyor performance
- Compact design fits in similar space as standard direct drive modules
- Smooths conveyor chain movement by helping to eliminate micro-surging
- Suggested for conveyors over 12.2 M (40 ft) in length
- Capable of inclined and declined arrangement up to 30 degrees
- Improves operator safety by enclosing chain catenary
- Attaches to direct end drive tail
- Compatable with power transfer and driven bridge

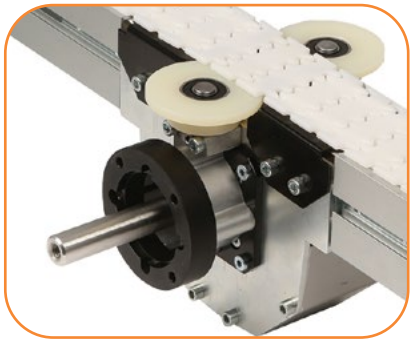




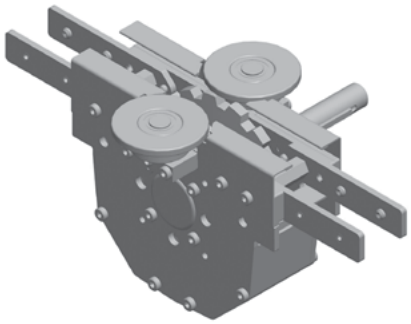
UOM: pc
Chain required 1.5 meter
Slide rail required 2.1 meter

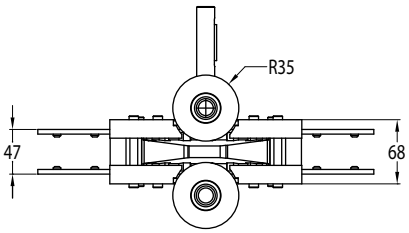
FS Top Running Drive Module

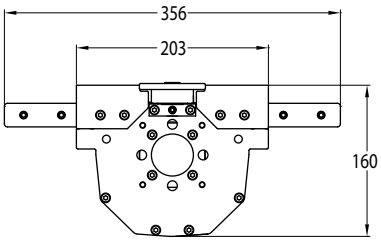
FSTRD-203



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



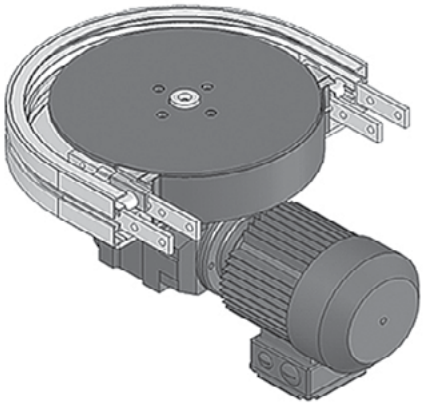


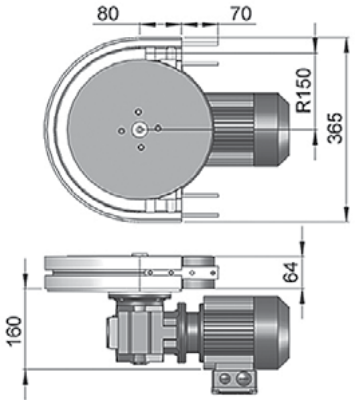


UOM: pc
Chain required 0.2 meter

FS Direct Wheel Drive with Motor

FSWD-DD-0M



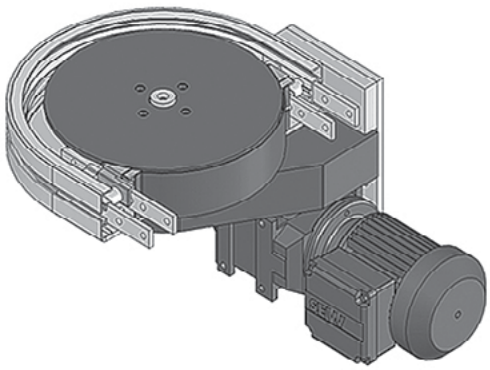


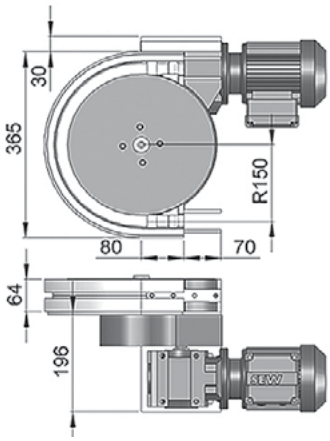
Max Traction Force: 200N
The Direct Wheel Drive Unit is without torque limiter. FSWD-DD-0M represents direct drive without gear motor. Maximum traction force for FSWD-DD is lower than FSDD and FSSD.

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



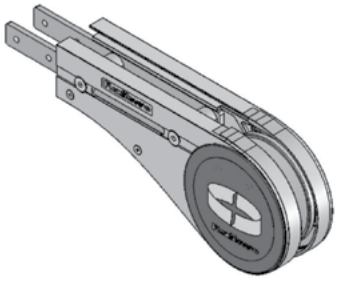


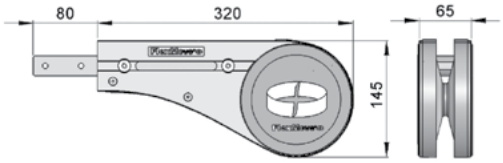
Max Traction Force: 200N
The Suspended Wheel Drive Unit is with torque limiter. FSWD-SD-0M represents direct drive without gear motor. Maximum traction force for FSWD-SD is lower than FSDD and FSSD.

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

FS Idler End-65

FSIE-A65

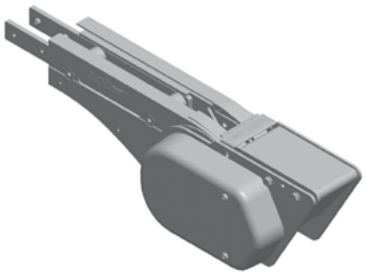


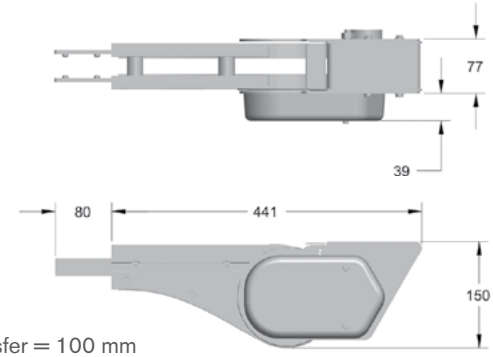


UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

FS Idler End with Power Transfer **(LEFT)**

FSIE-A65PT-L



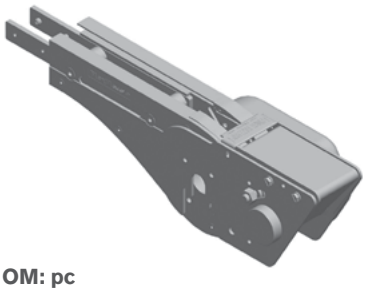


UOM: pc

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

FS Idler End with Power Transfer **(LEFT)**

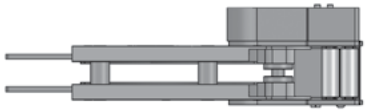
FSIE-A65PT-R

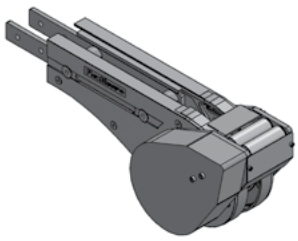


UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

FS Idler End Driven Transfer Bridge **(LEFT)**

FSIE-A65DB-A-L



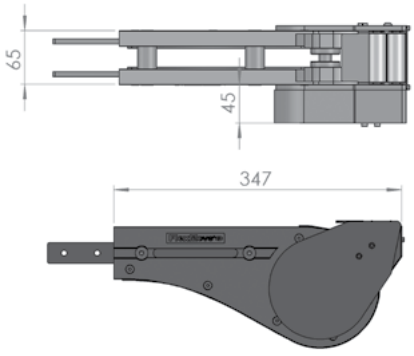


Minimum product length for inline transfer = 100 mm
Transfer extends past conveyor only 27 mm

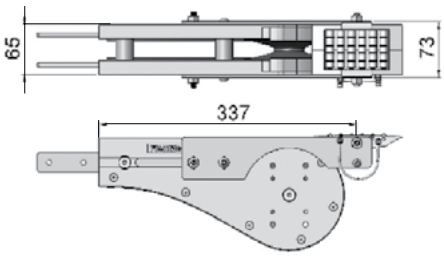
UOM: pc

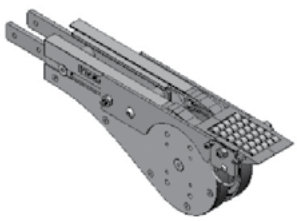
FS Direct Drive Driven Transfer Bridge **(RIGHT)**

FSIE-A65DB-A-R



FS Idler Free Roller Transfer Bridge

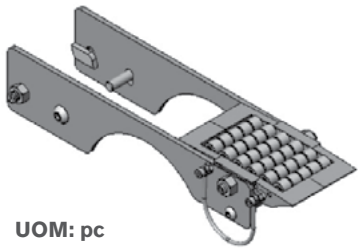




Roller transfer bridge is sold separately.

FSTB-A65

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



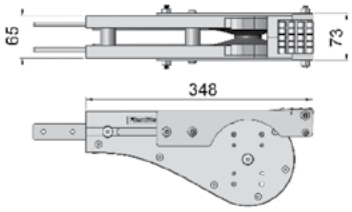
UOM: pc

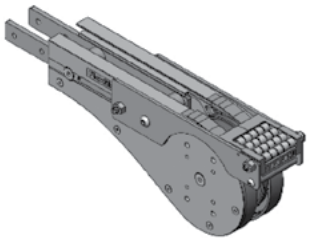
SEW gearmotors are products of SEW Eurodrive

FS Idler End Free Roller Bridge

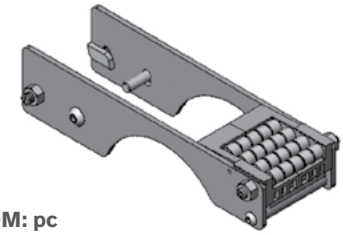
FSEB-A65

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





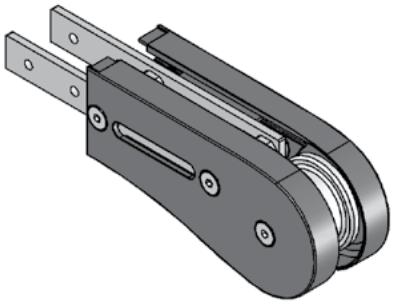
UOM: pc

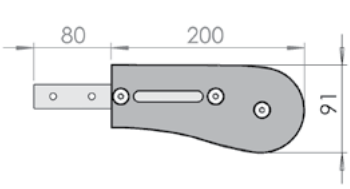


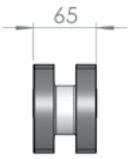
UOM: pc

FS Idler End-200

FSIE-200







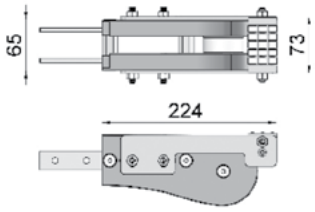
UOM: pc
Chain required 2-way: 0.7 meter
Slide rail required 2-way: 0

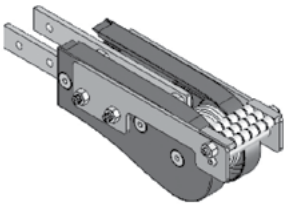
FS Idler-200 End Free Roller Bridge

FSEB-A65-200

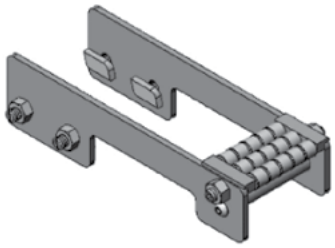
Roller transfer bridge is sold separately.

End transfer bridge c/w roller for FSIE-200



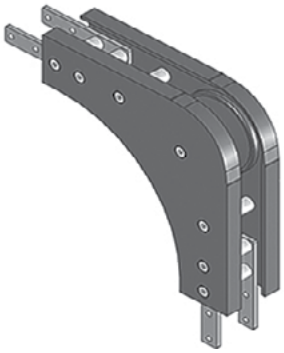


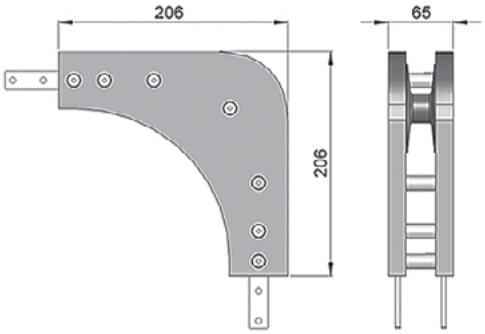
UOM: pc



FS Idler Bend

FSIB-206

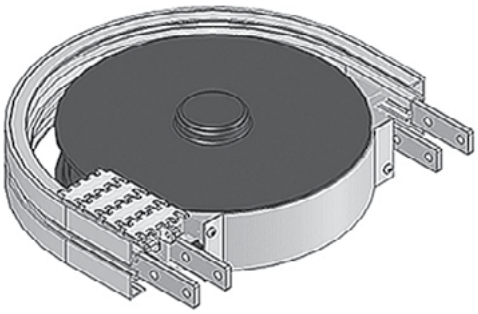


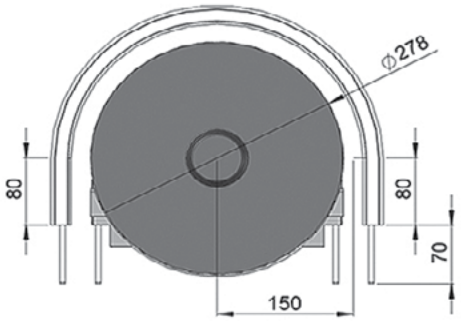


UOM: pc
Chain required 1-way: 0.6 meter
Slide rail: 0 meter
Note: Cannot be used with return chain

FS Wheel Bend 180°

FSWB-180R150A

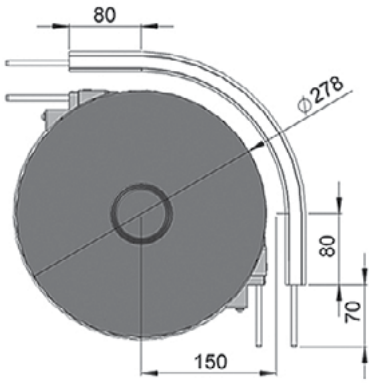




UOM: pc
Chain required 2-way: 1.3 meter
Slide rail required 2-way: 1.3 meter

FS Wheel Bend 90°

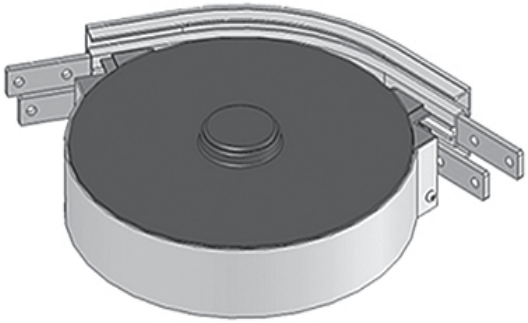
FSWB-90R150A

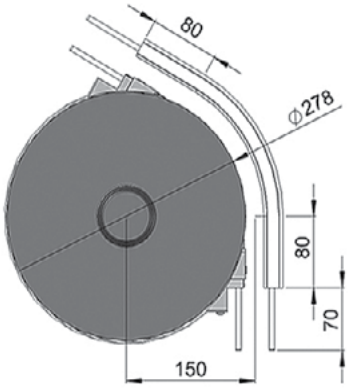


UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.8 meter

FS Wheel Bend 60°

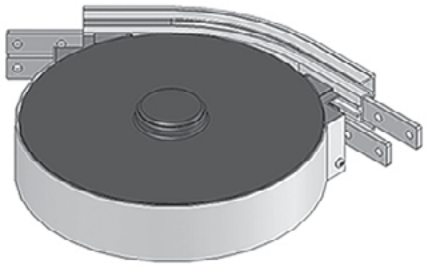
FSWB-60R150A

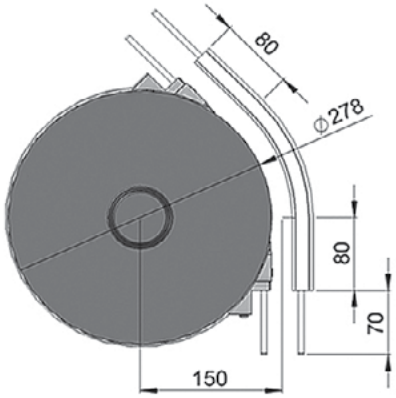




UOM: pc
Chain required 2-way: 0.6 meter
Slide rail required 2-way: 0.6 meter

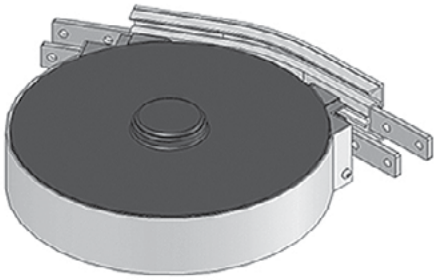
FS Wheel Bend 45° — FSWB-45R150A

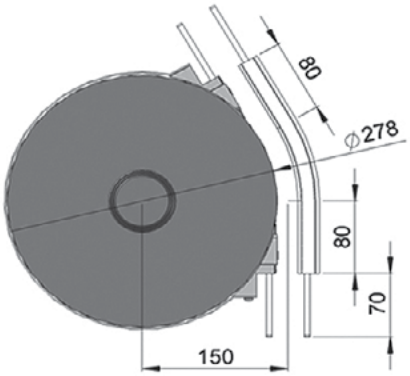




UOM: pc
Chain required 2-way: 0.6 meter
Slide rail required 2-way: 0.6 meter

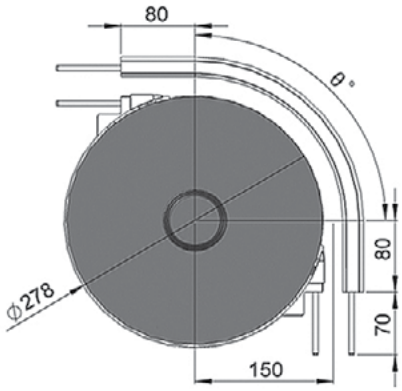
FS Wheel Bend 30° — FSWB-30R150A





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

FS Wheel Bend 5° - 180°



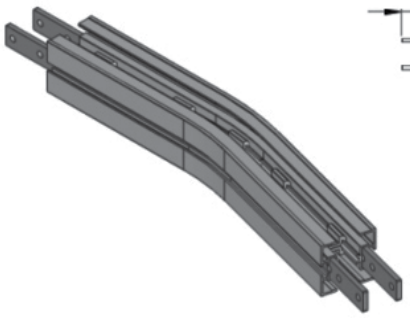
Example for FS Wheel Bend Ordering

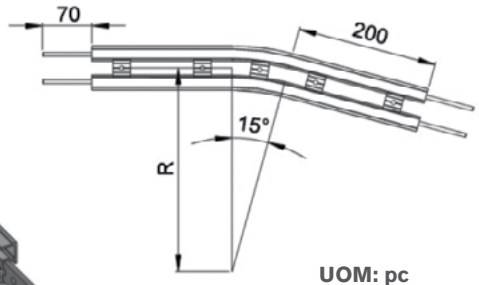
- Wheel bend, Ø° ± 1°
- FSWB-Ø°R150A

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 Ø° must be indicated when ordering.

FS Horizontal Plain Bend 15°



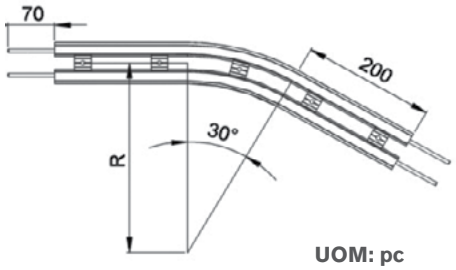


Horizontal plain bend, 15° ± 1°

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

FS Horizontal Plain Bend 30°

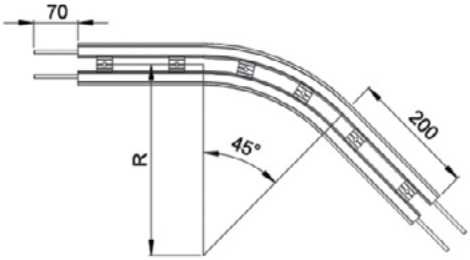


Horizontal plain bend, 30° ± 1°

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°

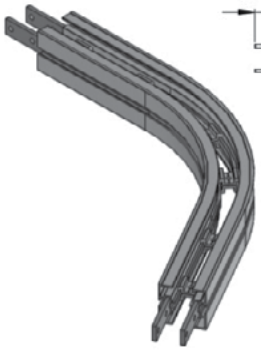


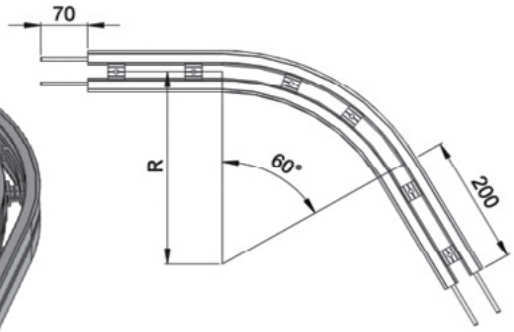
Horizontal plain bend, 45° ± 1°

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°



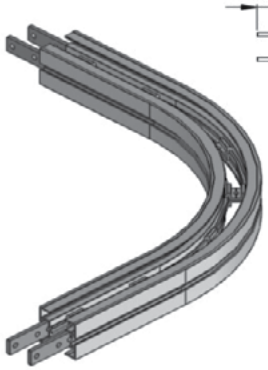


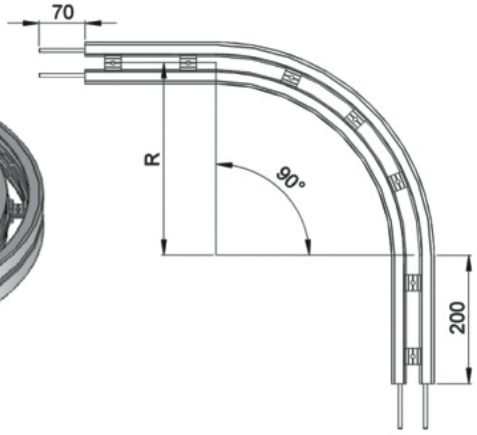
Horizontal plain bend, 60° ± 1°

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°



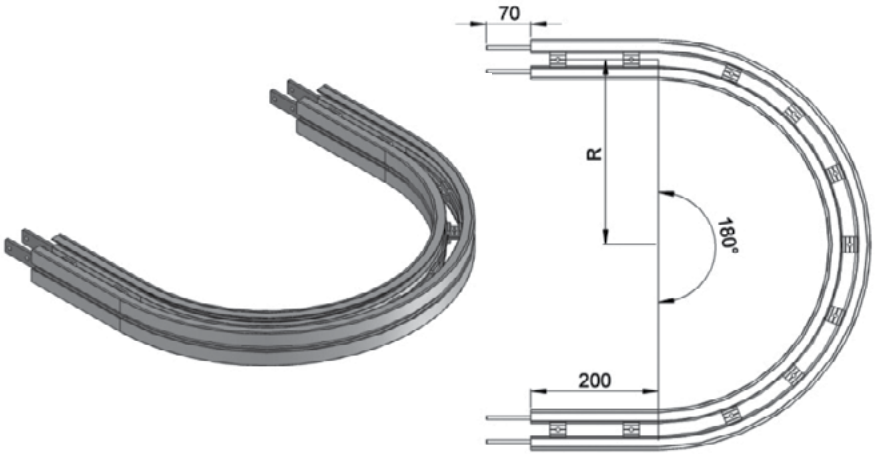


Horizontal plain bend, 90° ± 1°

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°

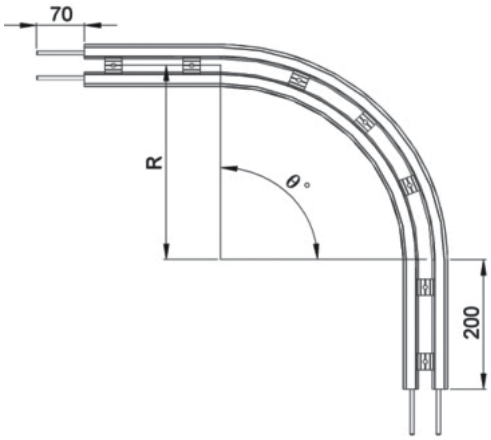


Horizontal plain bend, 180° ± 1°

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

FS Horizontal Plain Bend 5° - 180°



Example for FS Horizontal Plain Bend Ordering

Horizontal plain bend, Ø° ± 1°

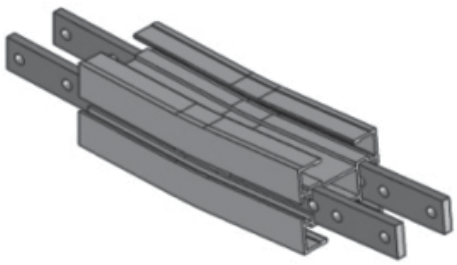
R = 300 ± 10 mm	**FSHB- Ø°300**
R = 500 ± 10 mm	**FSHB- Ø°500**
R = 700 ± 10 mm	**FSHB- Ø°700**
R = 1000 ± 10 mm	**FSHB- Ø°1000**

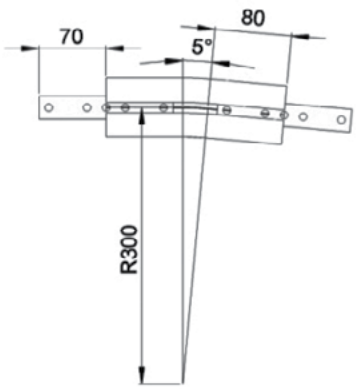
If an angle of 120° is needed for radius R500 horizontal plain bend, the ordering part number is

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)

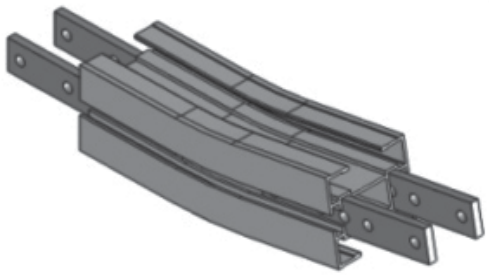
FS Vertical Bend 5° FSVB-5R300

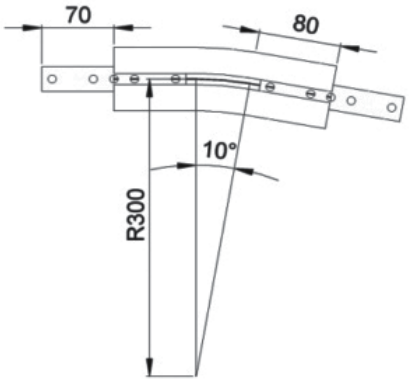




UOM: pc
Chain required 2-way: 0.4 meter
Slide rail required 2-way: 0.7 meter

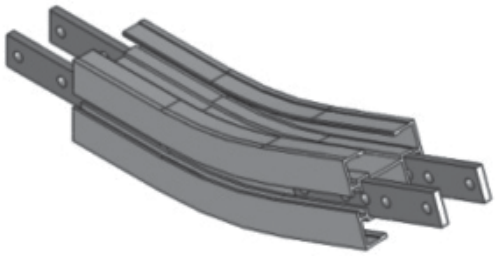
FS Vertical Bend 10° — FSVB-10R300

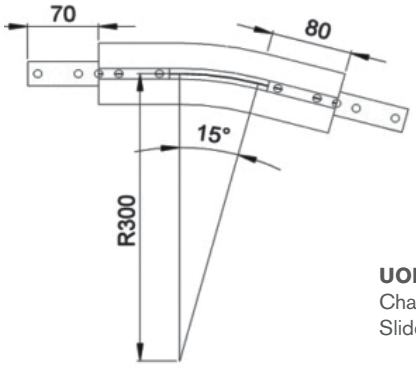




UOM: pc
Chain required 2-way: 0.4 meter
Slide rail required 2-way: 0.8 meter

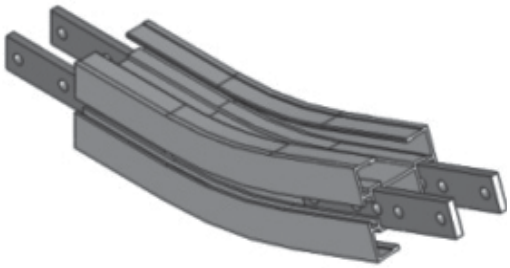
FS Vertical Bend 15° — FSVB-15R300

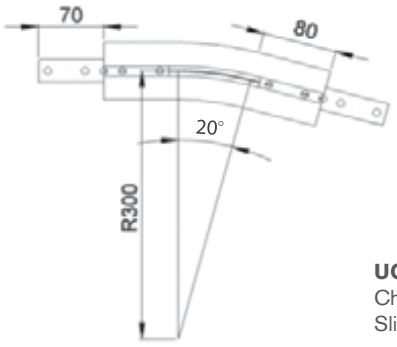




UOM: pc
Chain required 2-way: 0.5 meter
Slide rail required 2-way: 1.0 meter

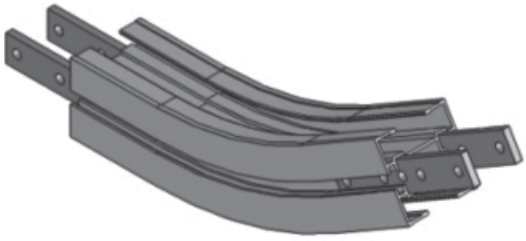
FS Vertical Bend 20° — FSVB-20R300

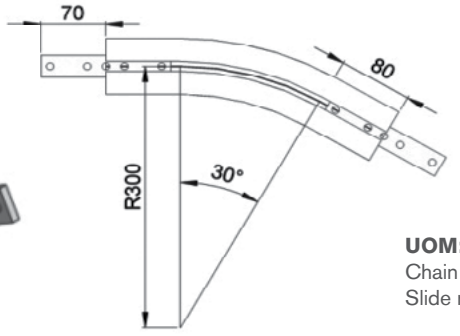




UOM: pc
Chain required 2-way: 0.5 meter
Slide rail required 2-way: 1.1 meter

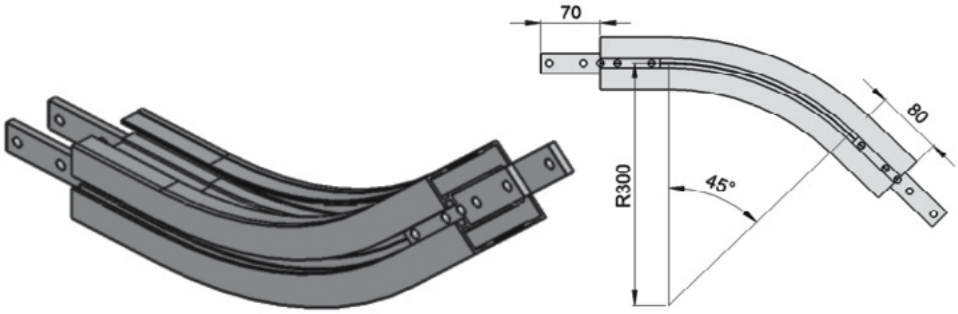
FS Vertical Bend 30° — FSVB-30R300





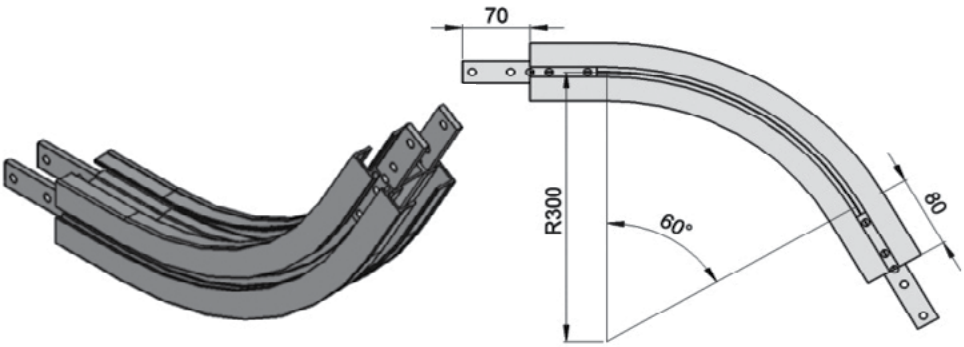
UOM: pc
Chain required 2-way: 0.6 meter
Slide rail required 2-way: 1.3 meter

FS Vertical Bend 45° — FSVB-45R300



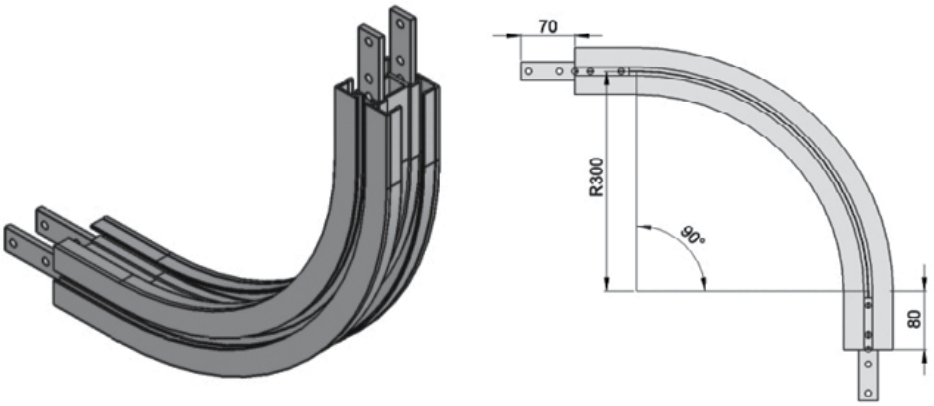
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 1.6 meter

FS Vertical Bend 60° — FSVB-60R300



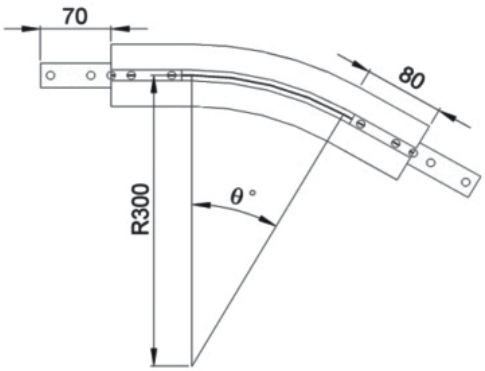
UOM: pc
Chain required 2-way: 0.9 meter
Slide rail required 2-way: 1.9 meter

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, Ø° ± 1°
- FSVB-Ø°R300

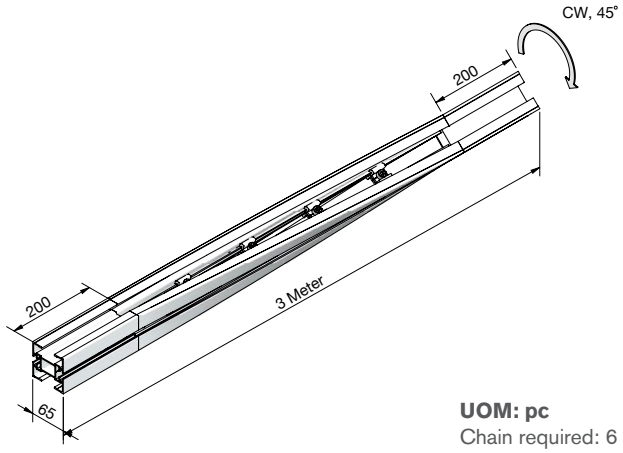
If an angle of 65° is needed for vertical bend, the ordering part number is

FSVB-65R300

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

FS 45 Degree Twist Conveyor Beam **(Clockwise)**

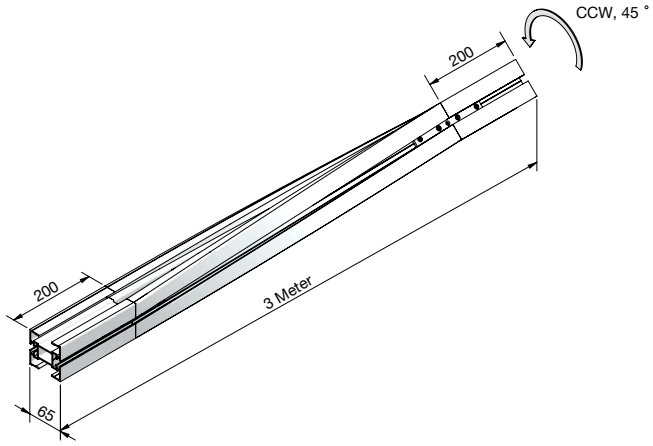
FSTB-CW45x3000



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

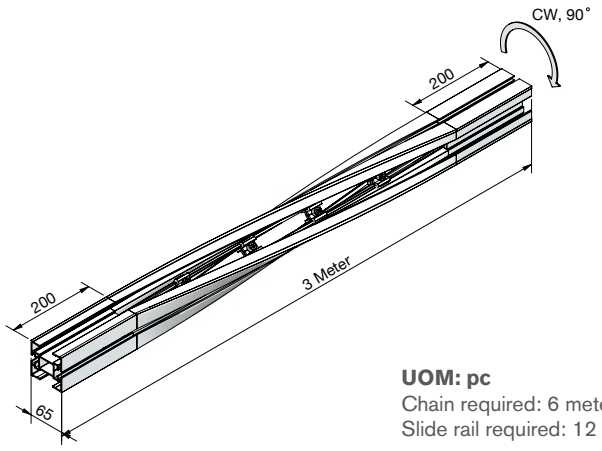
FS 45 Degree Twist Conveyor Beam **(Counter-Clockwise)**

FSTB-CCW45x3000



FS 90 Degree Twist Conveyor Beam **(Clockwise)**

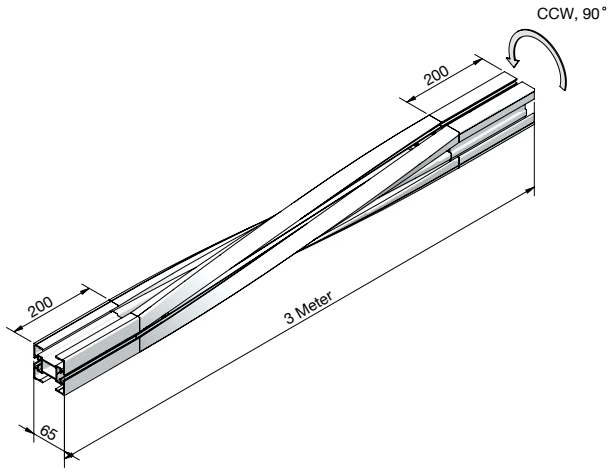
FSTB-CW90x3000



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

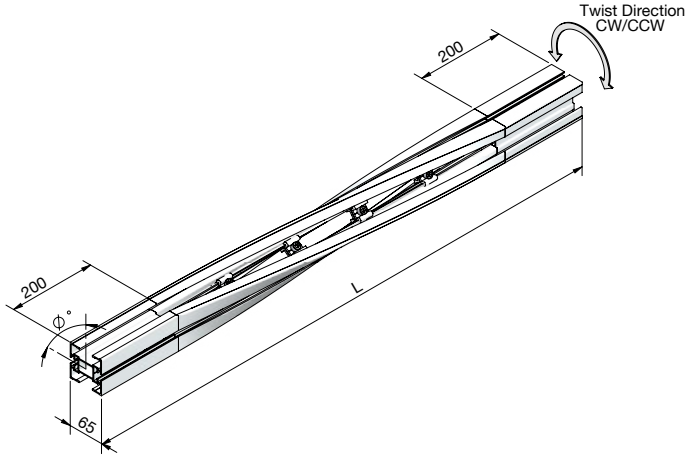
FS 90 Degree Twist Conveyor Beam **(Counter-Clockwise)**

FSTB-CCW90x3000



FS Twist Conveyor Beam 15° - 90°

FSTB-AAABBx3000 **Where AAA = CW or CCW, BB = Angle**



Example for FS Twist Conveyor Beam Ordering

- Twist Conveyor Beam, Ø° ± 5°

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

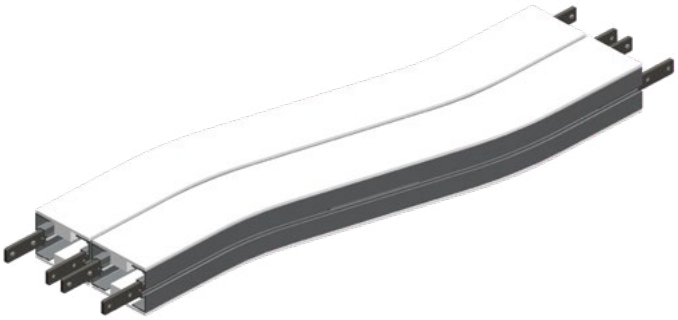
FSTB-CW30x3000

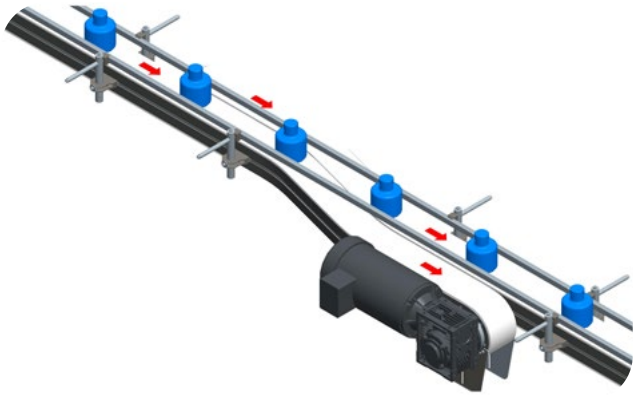
Angle of Ø°, twist direction, and length L, must be indicated when ordering.

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

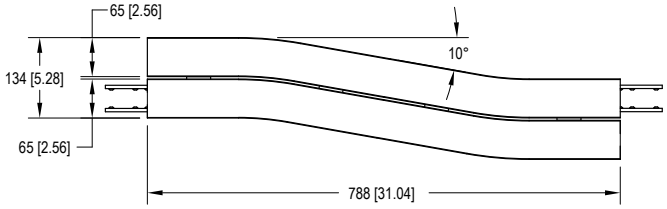
FS X In-Line Transfer Module

FSST-065



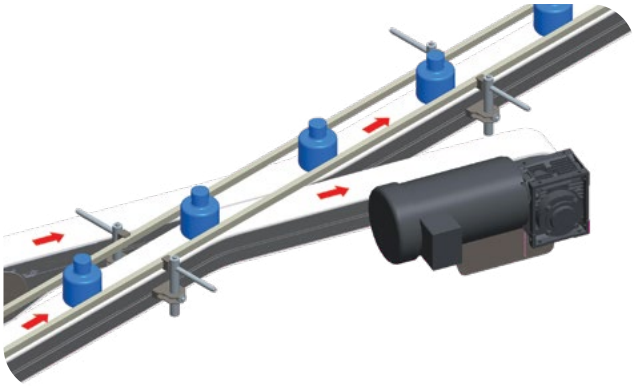


- S In-Line Modules provide a standard, compact way to side transfer product from conveyor to conveyor.
- Straight guiding is placed across the transfer module for smooth In-Line product flow
- Conveyors are mounted together to provide a smooth transfer even for small products
- S In-Line transfers are compact in the width dimension

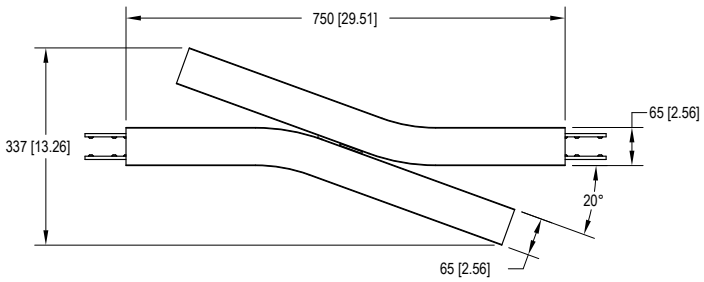


FX S X In-Line Transfer Module

FSXT-065



- X In-Line Modules provide a standard, compact way to side transfer product from conveyor to conveyor.
- Straight guiding is placed across the transfer module for smooth In-Line product flow
- Conveyors are mounted together to provide a smooth transfer even for small products
- X In-Line transfers are compact in the length direction



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

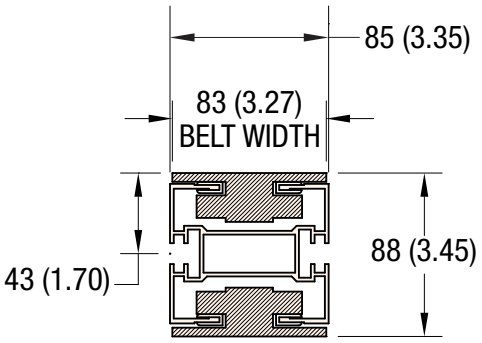
Slide Rail Color: White or Natural Color

Slide Rail Material: HDPE OR UHMW-PE

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

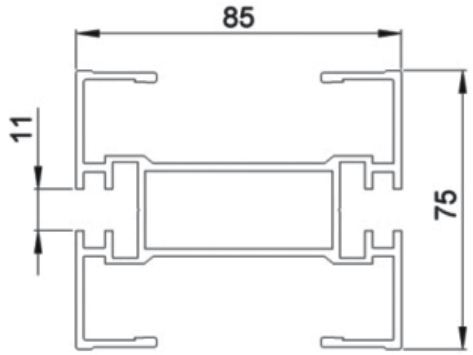
Connecting strip is used to connect two beams.

Connecting Strip: FACS-25x140A

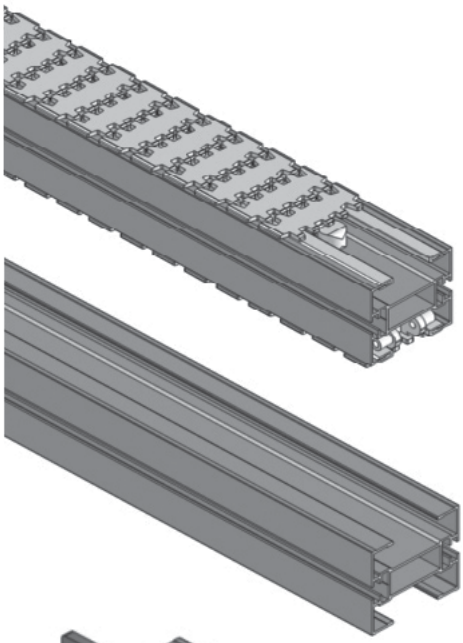


85 MM WIDTH

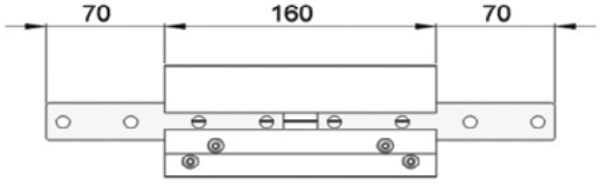
Conveyor Beam FMCB-3



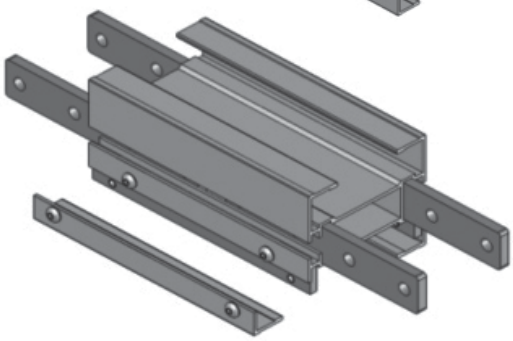
UOM: 3 Meter / Length



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

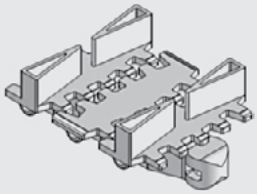
Pivot: Polyamide

Pivot Pin: Stainless Steel

Insert (Wedge & Friction): TPE Grey

Example for FMCT-5A17-L#

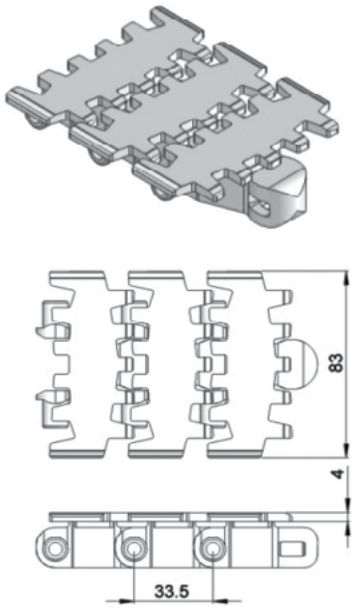
 # = 1 cleated top chain with alternate of # link of plain chain



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

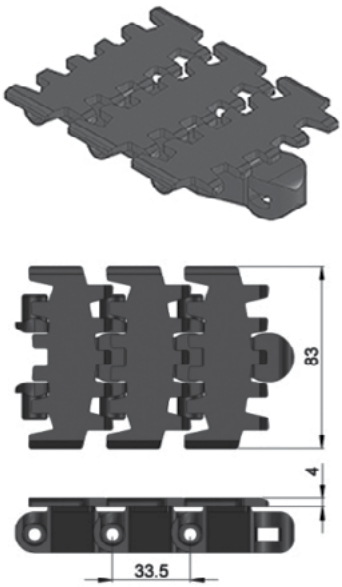
Standard Plain Chain **FMPC-5**



UOM: 5 Meter / box

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

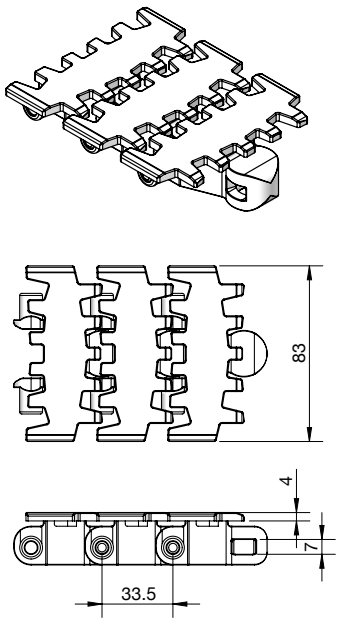
Conductive Chain **FMPC-5CD**



UOM: 5 Meter / box

Application: Suitable for transport of static sensitive product.

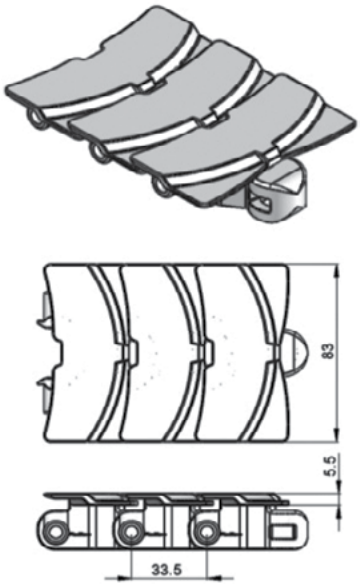
Twist Chain **FMPC-5M**



UOM: 5 Meter / box

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

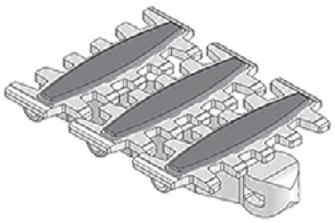
Safety Chain **FMPC-5V**

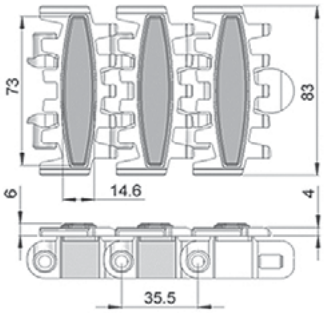


UOM: 5 Meter / box

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

Friction Top Chain **FMFT-5**

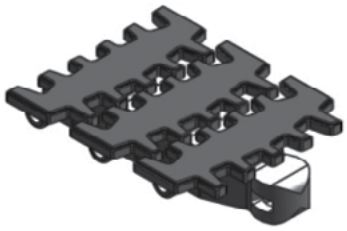


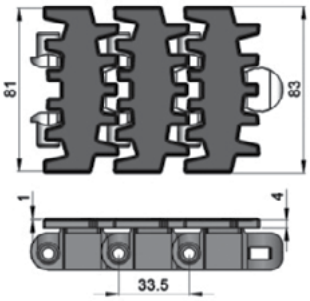


UOM: 5 Meter / box

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

Friction Top Chain **FMFT-5A**

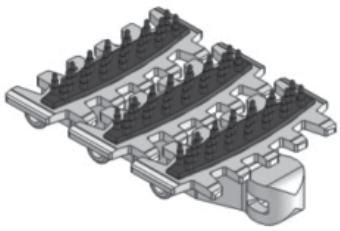


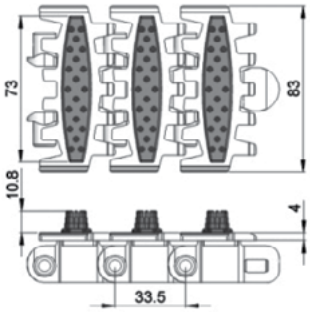


UOM: 5 Meter / box

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

Wedge Top Chain **FMWT-5A**

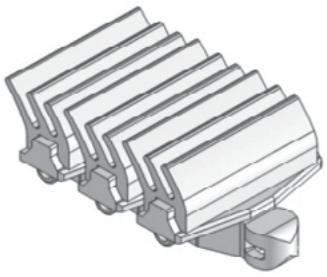


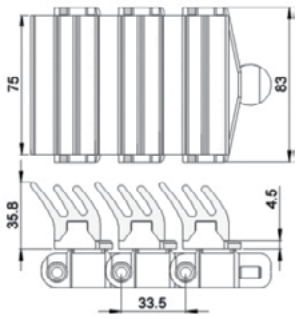


UOM: 5 Meter / box

Application: Vertical Wedge transportation of products.

Wedge Top Chain **FMWT-5B**

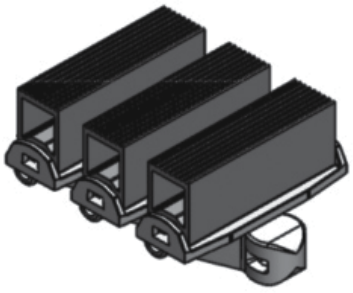


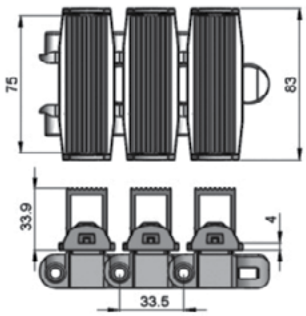


UOM: 5 Meter / box

Application: Vertical Wedge transportation of products (Heavy Duty)

Wedge Top Chain **FMWT-5C**

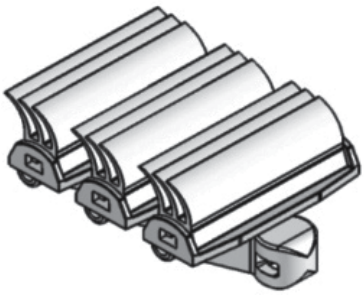


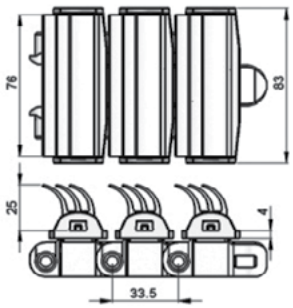


UOM: 5 Meter / box

Application: Vertical Wedge transportation of products (Heavy Duty)

Wedge Top Chain **FMWT-5D**

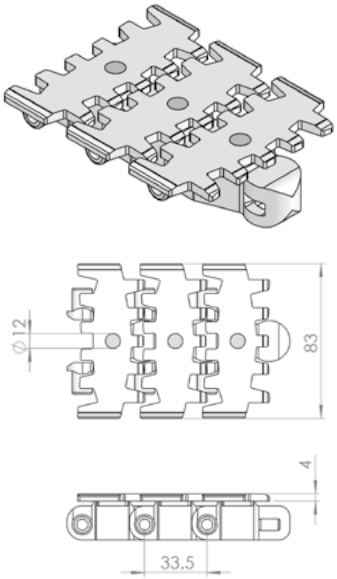




UOM: 5 Meter / box

Application: Vertical Wedge transportation of products.

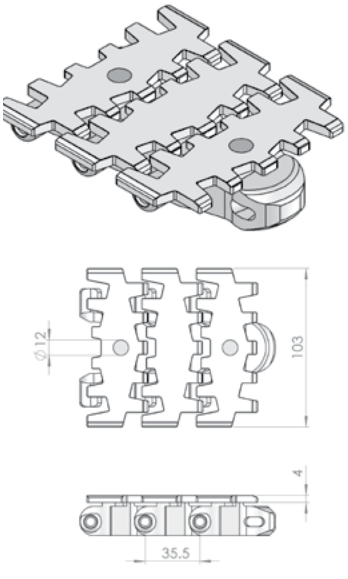
Magnet Top Chain **FMMT-5**



UOM: 5 Meter / box

Application: Suitable for conveying of ferromagnetic products in slope.

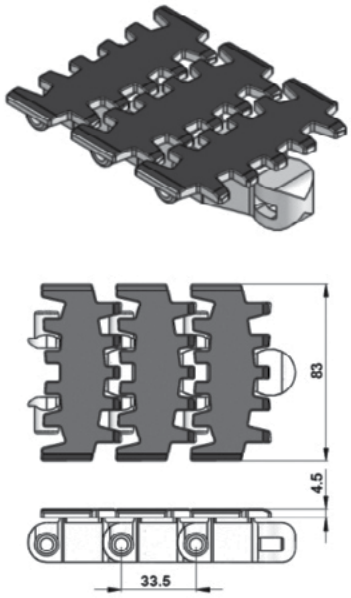
Magnet Top Chain **FMMT-5-L#**



UOM: 5 Meter / box

Application: Suitable for conveying of ferromagnetic products in slope.

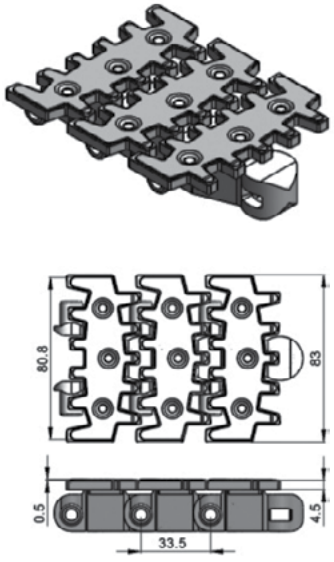
Flocked Chain **FMFK-5**



UOM: 5 Meter / box

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

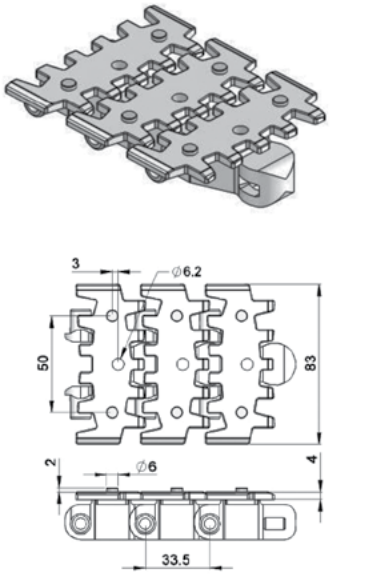
Stainless Steel Top Chain **FMST-5S**



UOM: 5 Meter / box

Application: Suitable to transport metal products in accumulation.

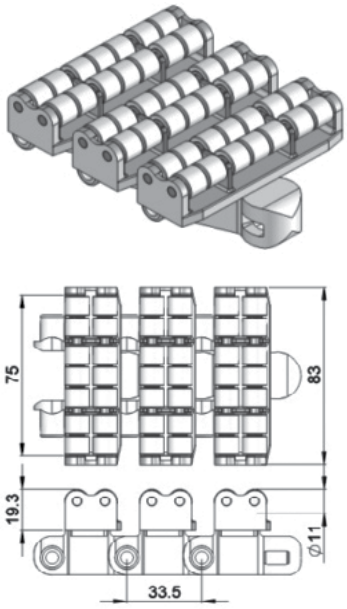
Universal Chain **FMUC-5**



UOM: 5 Meter / box

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

Roller Top Chain **FMRT-5**

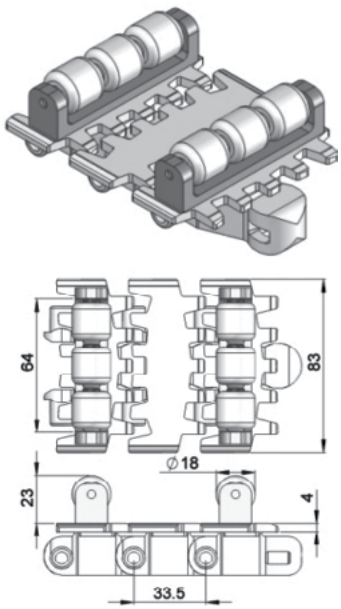


UOM: 5 Meter / box

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

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

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

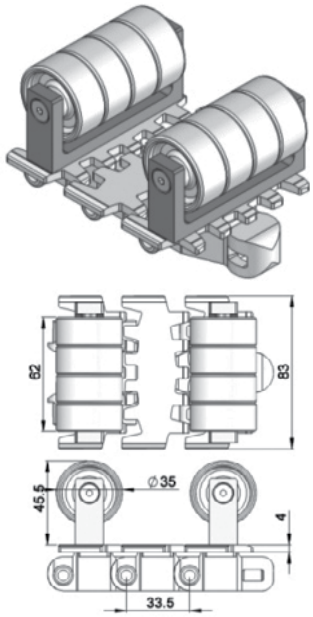


UOM: 5 Meter / box

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

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

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

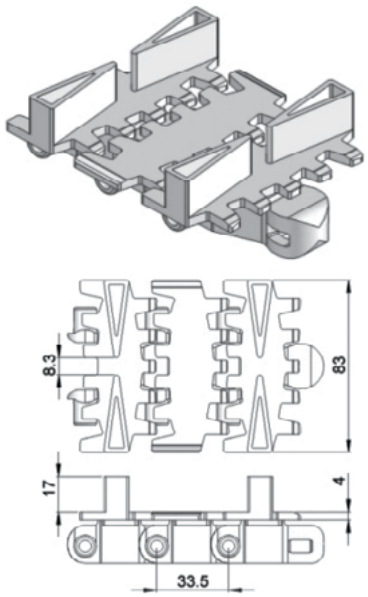


UOM: 5 Meter / box

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

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

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

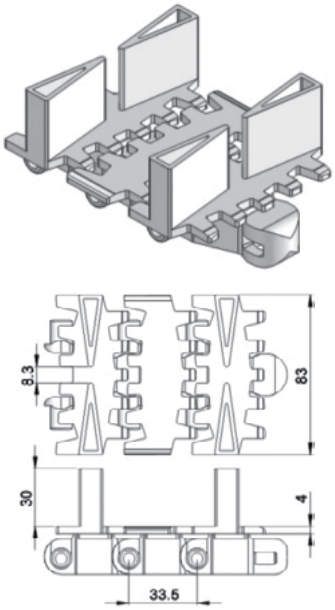


UOM: 5 Meter / box

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

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

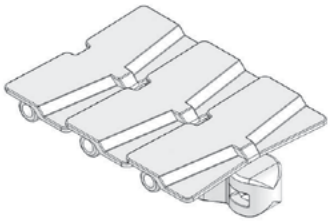
 # = 1, 2, 3, 4, 5.....20

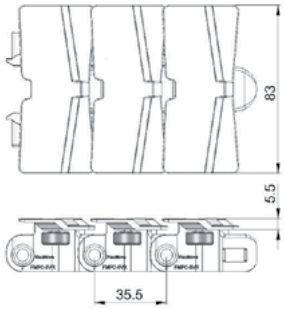


UOM: 5 Meter / box

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

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

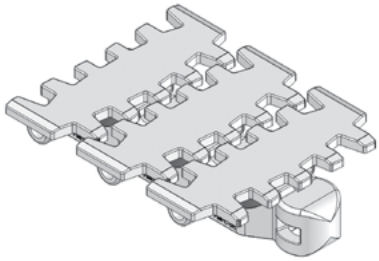


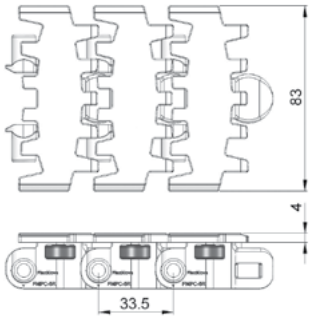


UOM: 5 Meter / box

Application: Suitable for transport product in slope > 5° but <= 30° without accumulation. (Subject to product weight and Packing)

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

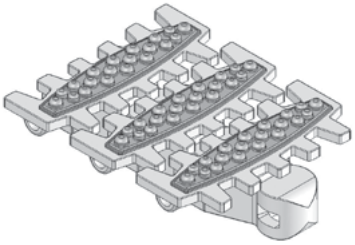


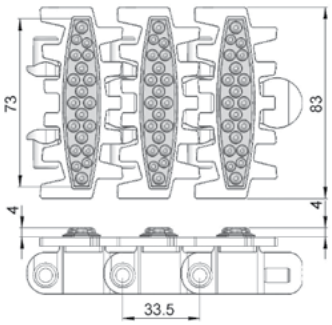


UOM: 5 Meter / box

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

Friction Top Chain **FMFT-5C**



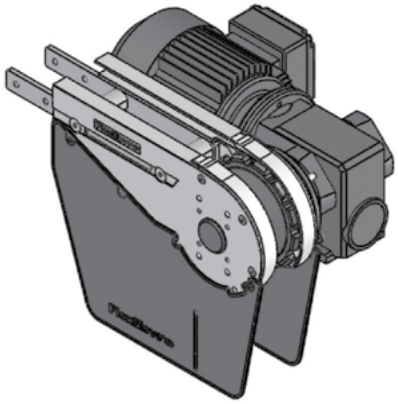


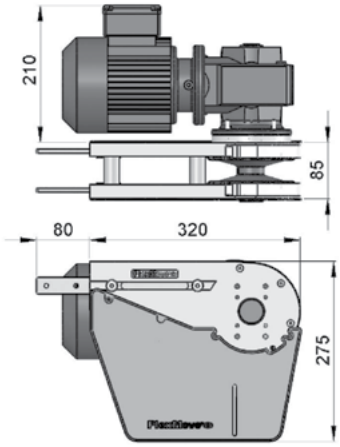
UOM: 5 Meter / box

Application: Suitable for transport product in slope > 5° but <= 35° without accumulation. (Subject to product weight and Packing)

FM Direct End Drive without Motor (LEFT)

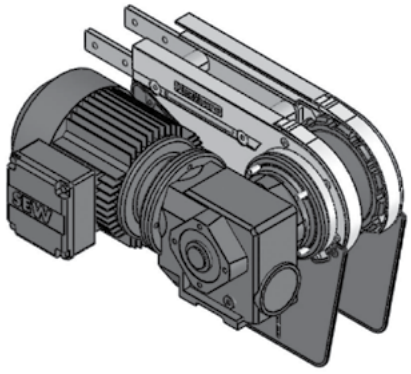
FMDD-A85-XDY (See Chart)





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*		
		A = 20 mm Aux Only	R = Right	A = 20 mm Aux Shaft

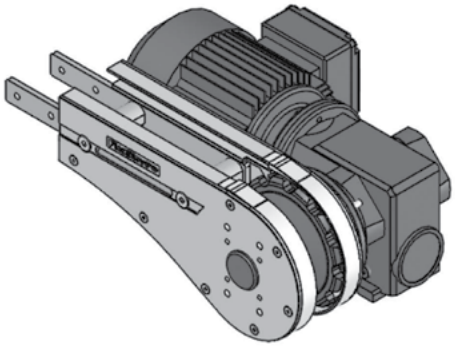
*3/4 inch shaft option available in North America only.

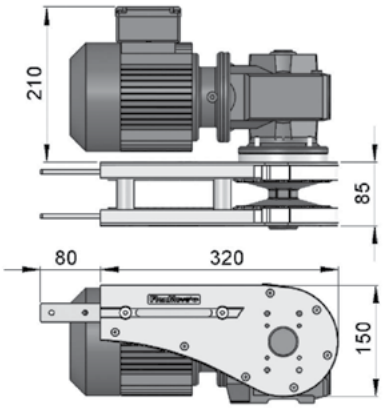
Max Traction Force: 1250N
The Direct End Drive Unit is without torque limiter.

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)

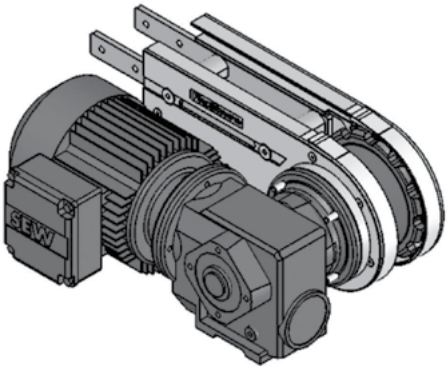
FMDD-A85GP-XDY (See Chart)





FM Direct End Drive without Motor GP (RIGHT)

FMDD-A85GP-XDY (See Chart)



Requires the use of connecting or weighted take-up module for chain maintenance.

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*		
		A = 20 mm Aux Only	R = Right	A = 20 mm Aux Shaft

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

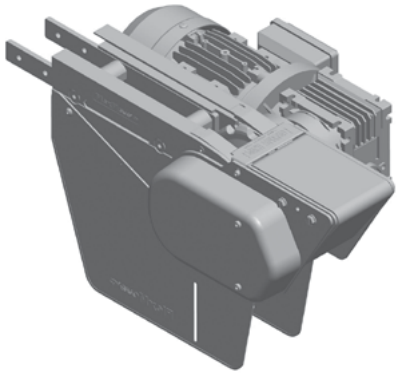
Max Traction Force: 1250N
The Direct End Drive Unit GP is without torque limiter.

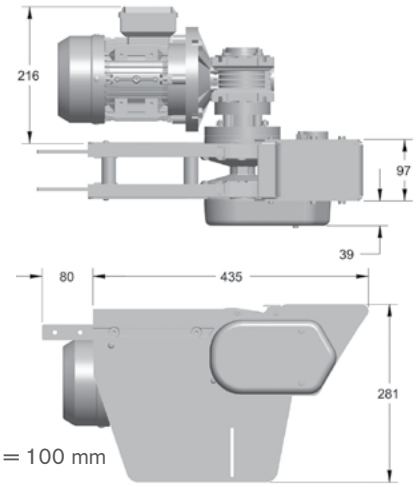
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

SEW gearmotors are products of SEW Eurodrive

FM Direct with Power Transfer Motor (LEFT)

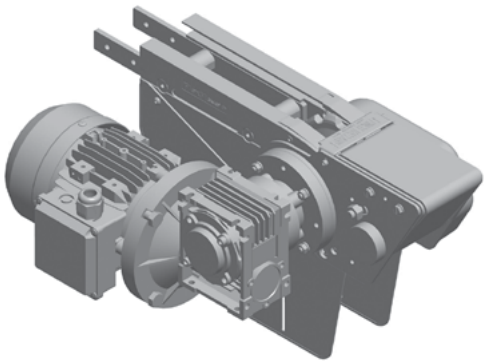
FMDD-A85PT-XD (See Chart)





FM Direct with Power Transfer Motor (RIGHT)

FMDD-A85PT-XD (See Chart)



Minimum product length for inline transfer = 100 mm
Maximum speed is 30 m/min (100 ft/min)
Only one power transfer needed on either infeed or discharge trail required for end to end transer.
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

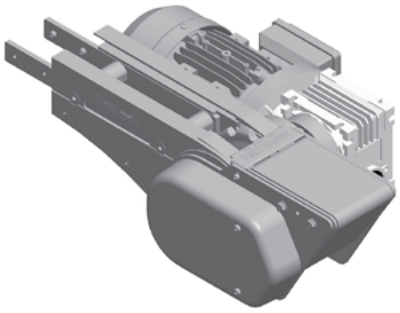
*3/4 inch shaft option available in North America only.

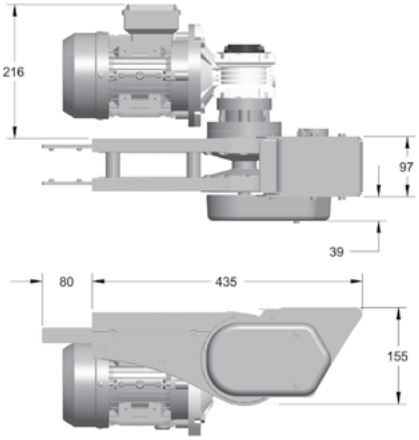
Max Traction Force: 1250N
The Direct End Drive Unit is without torque limiter.

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)

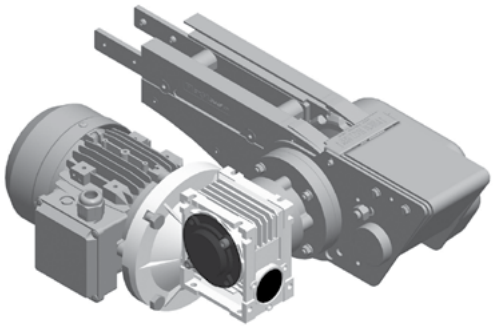
FMDD-A85GPPT-XD (See Chart)





FM GP Direct with Power Transfer Motor (RIGHT)

FMDD-A85GPPT-XD (See Chart)



Minimum product length for inline transfer = 100 mm
Maximum speed is 30 m/min (100 ft/min)
Only one power transfer needed on either infeed or discharge trail required for end to end transer. Provides extended transfer nose for interfacing with large rollers.
Requires the use of connecting or weighted take-up 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.

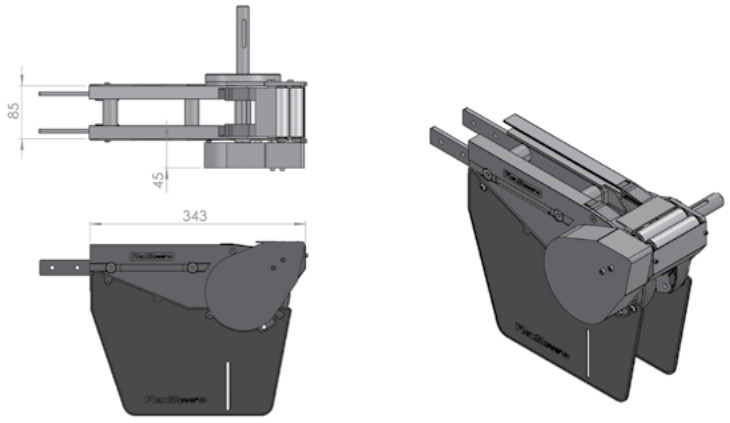
Max Traction Force: 1250N
The Direct End Drive Unit GP is without torque limiter.

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)

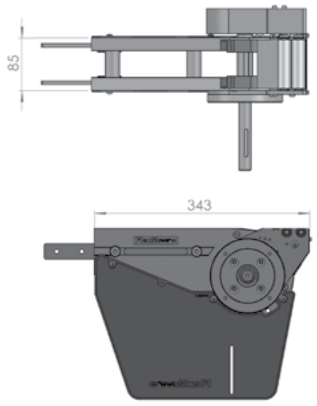
FMDD-A85DB-A-0L



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

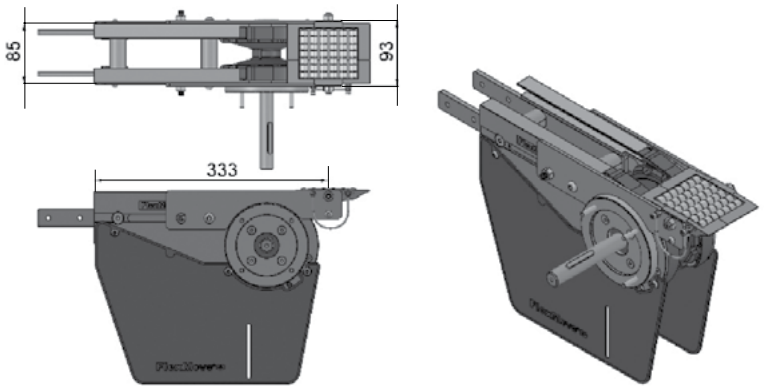
FM Direct Drive Driven Transfer Bridge (RIGHT)

FSIE-A65DB-A-R



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

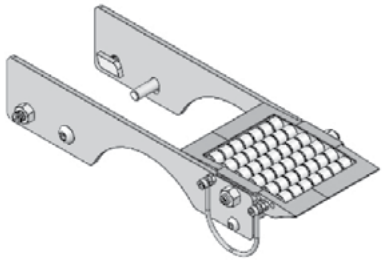
FM Direct Drive Free Roller Transfer Bridge (LEFT/ RIGHT)



UOM: pc

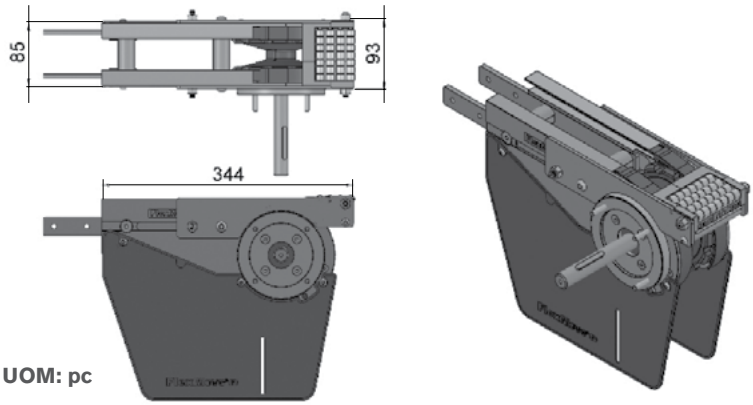
FMTB-A85

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

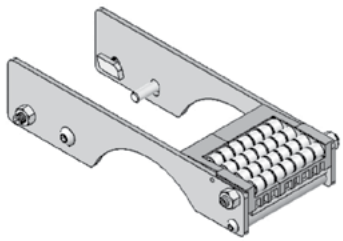
FM Direct Drive End Free Roller Bridge (LEFT/ RIGHT)



UOM: pc

FMEB-A85

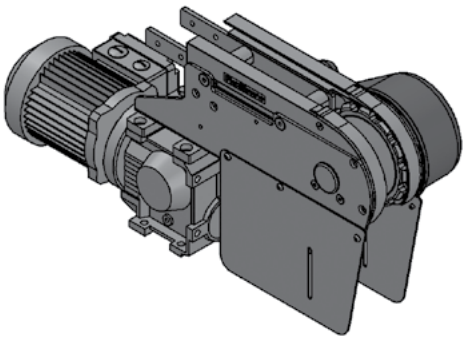
End transfer bridge c/w roller for FMIE-A85
End transfer bridge c/w roller for FMDD-A85-0L
End transfer bridge c/w roller for FMDD-A85-0R

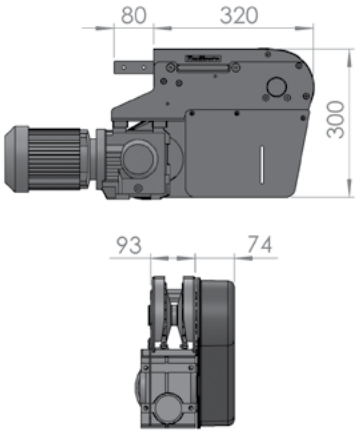


UOM: pc

FM Suspended End Drive without Motor (LEFT)

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

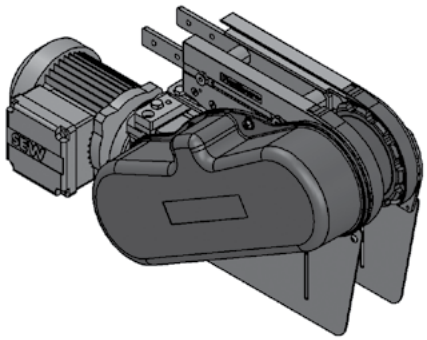




- Locates gearmotor below conveyor for compact applications.
- Includes torque limiter protecting chain and motor from overload.
- Chain pull capacity at 1250N for unit without torque limiter.
- Chain pull capacity at 840N for unit with torque limiter.

FM Suspended End Drive without Motor (RIGHT)

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

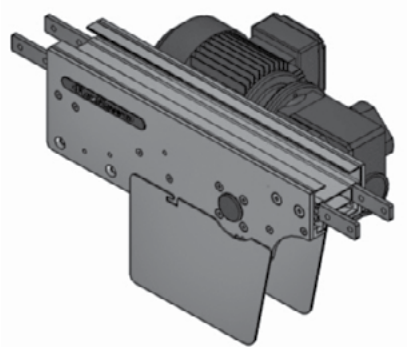


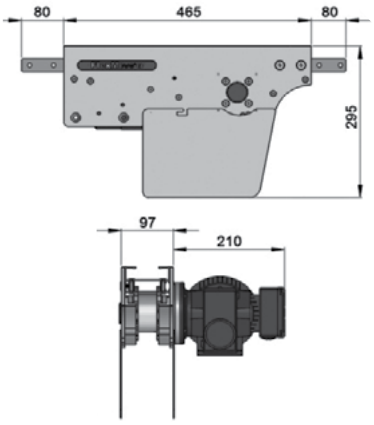
Max Traction Force:
1250N (without limiter)
840N (with limiter)

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

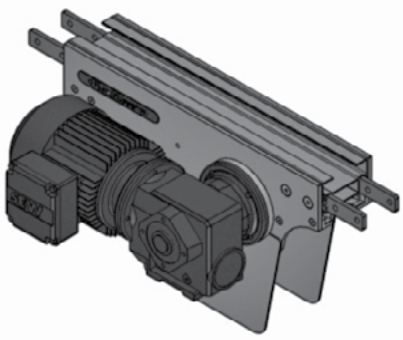




- Located in middle of conveyor to free up drive end.
- Includes torque limiter protecting chain and motor form overload.
- Limits chain pull capacity at 200N.

FM Direct Intermediate Drive without Motor (RIGHT)

FMID-DD-0R1



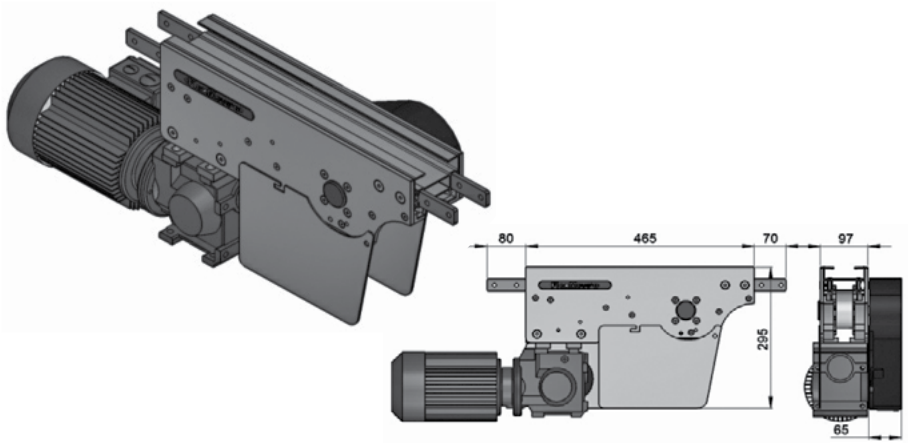
Max Traction Force: 200N
The Direct Intermediate Drive Unit is without torque limiter.

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

SEW gearmotors are products of SEW Eurodrive

FM Suspended Intermediate Drive without Motor **(LEFT)**

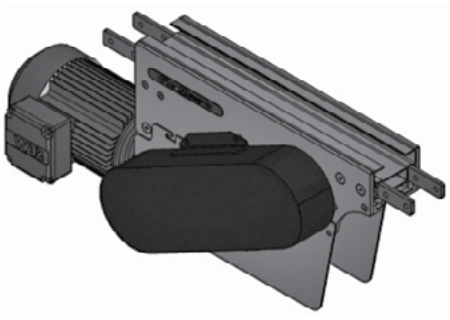
FMID-SD-0L1



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

FM Suspended Intermediate Drive without Motor **(RIGHT)**

FMID-SD-0R1

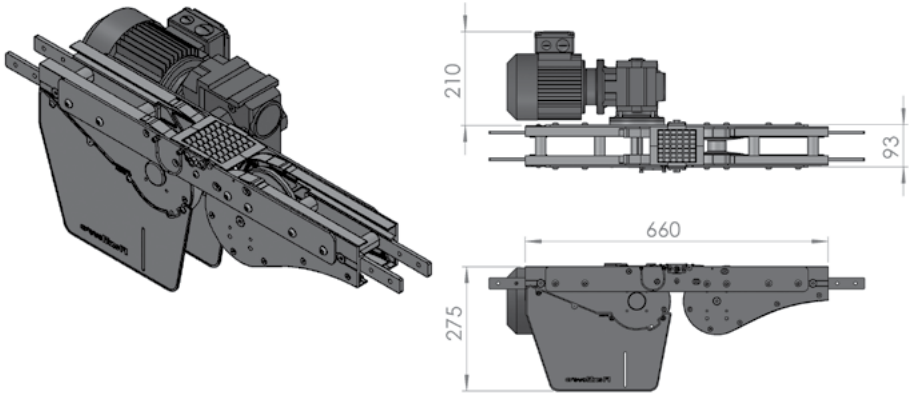


Max Traction Force: 200N
The Suspended Intermediate Drive Unit is with torque limiter.

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

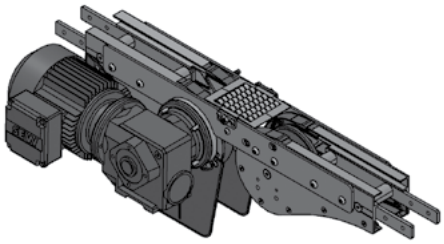
FM Combined Direct Drive & Idler **(LEFT)**

FMCDI-DD-A85



FM Combined Direct Drive & Idler **(RIGHT)**

FMCDI-DD-A85



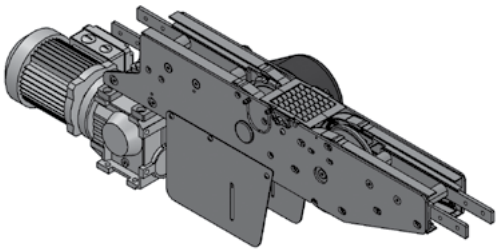
Max Traction Force: 1250N
The Combine Direct End Drive Unit is without torque limiter.

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

SEW gearmotors are products of SEW Eurodrive

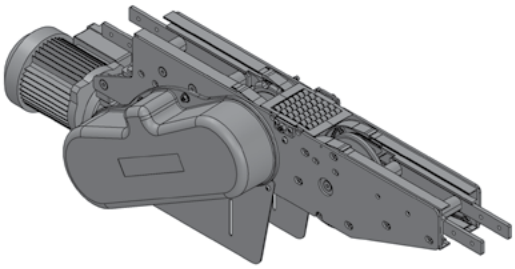
FM Combined Suspended Drive & Idler (LEFT)

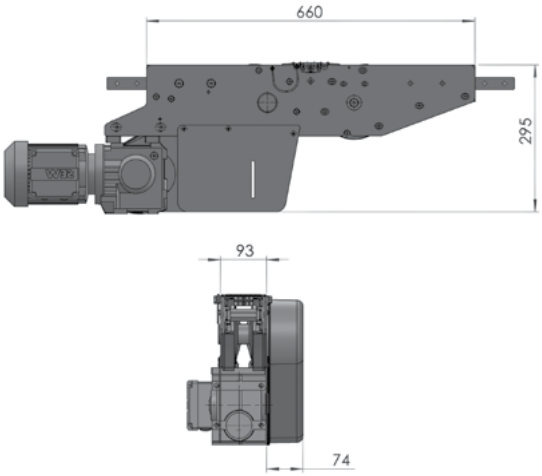
FMCDI-SD-A85



FM Combined Suspended Drive & Idler (RIGHT)

FMCDI-SD-A85



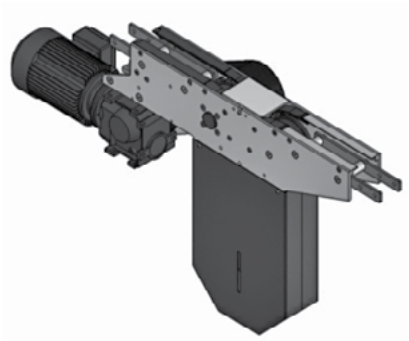


Max Traction Force: 840N
The Combine Suspended End Drive Unit is with torque limiter.

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

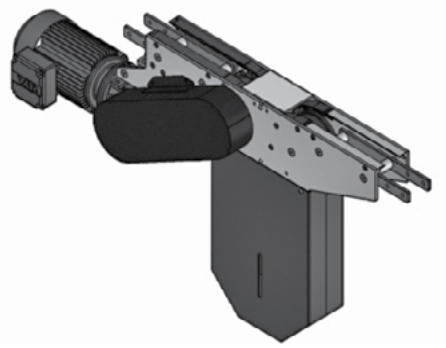
FM Suspended Catenary Drive without Motor (LEFT)

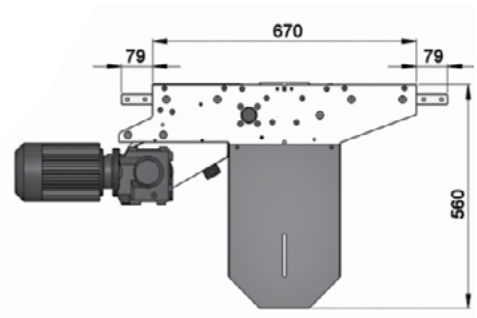
FMCD-SD



FM Suspended Catenary Drive without Motor (RIGHT)

FMCD-SD





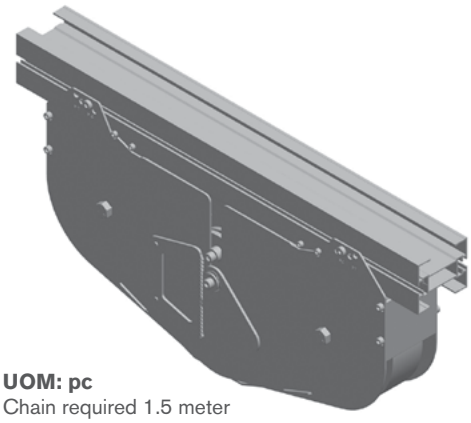
Max Traction Force: 840N
The Suspended Catenary Drive Unit is with torque limiter.

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

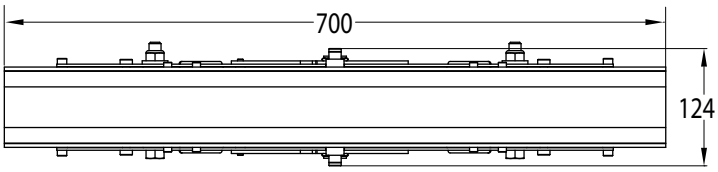
SEW gearmotors are products of SEW Eurodrive

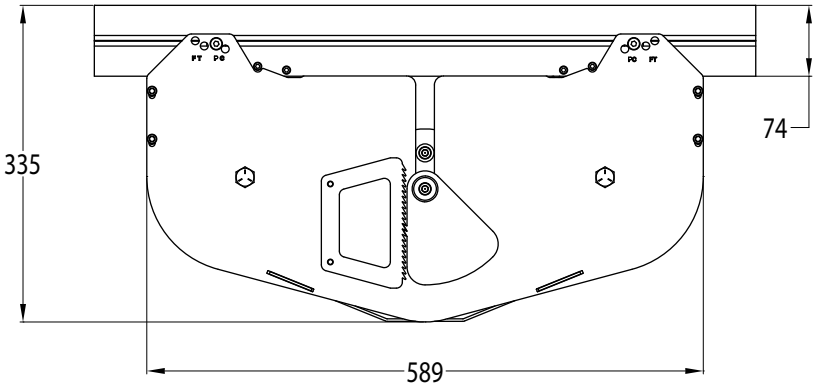
FM Weighted Take-up Module

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

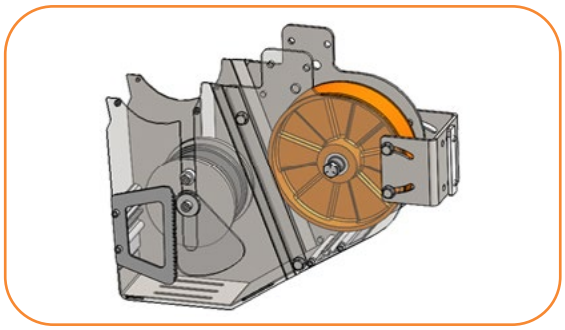


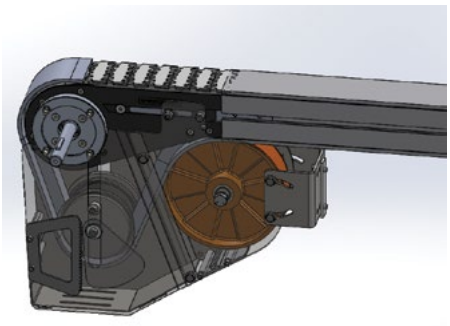


UOM: pc
Chain required 1.5 meter
Slide rail required 2.1 meter

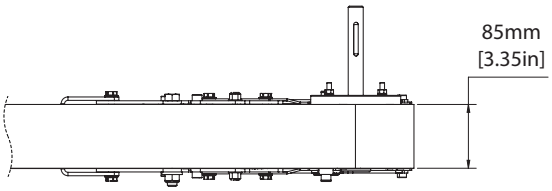
FM Weighted Take-up Tail Module

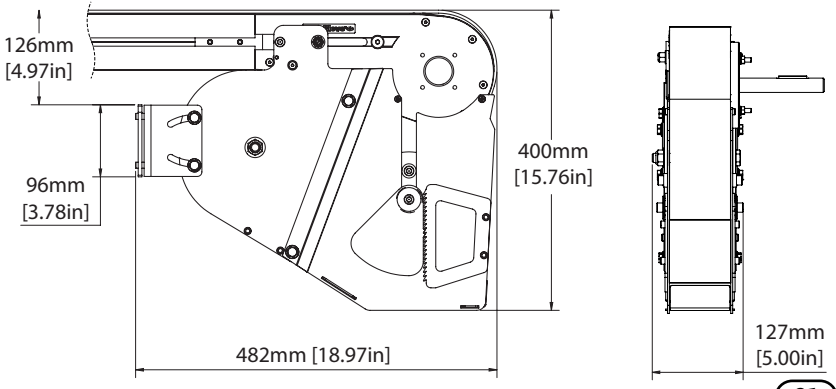
FM-WTU-085





- Provides controlled chain take-up for improved conveyor performance
- Compact design fits in similar space as standard direct drive modules
- Smooths conveyor chain movement by helping to eliminate micro-surging
- Suggested for conveyors over 12.2 M (40 ft) in length
- Capable of inclined and declined arrangement up to 30 degrees
- Improves operator safety by enclosing chain catenar
- Attaches to direct end drive tail
- Compatable with power transfer and driven bridge

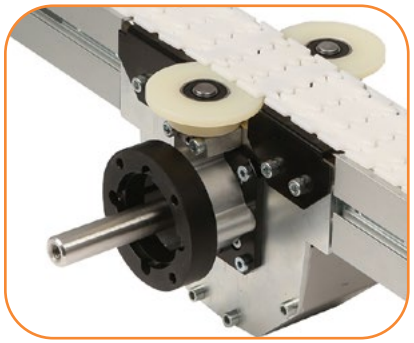




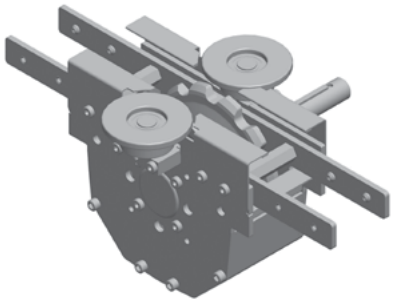
UOM: pc
Chain required 1.5 meter
Slide rail required 2.1 meter

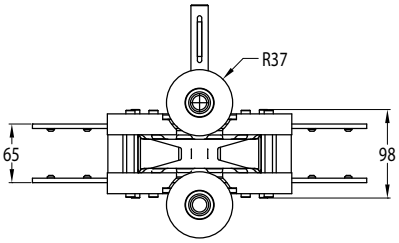
FM Top Running Drive Module

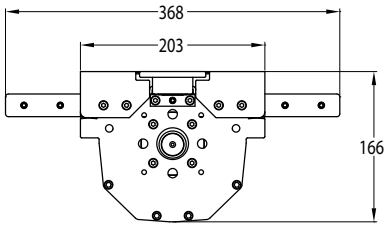
FMTRD-203



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



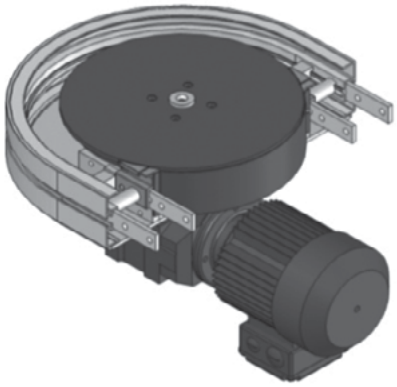


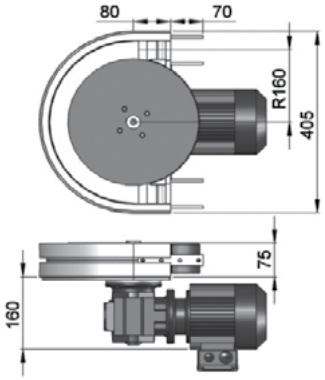


UOM: pc
Chain required 0.2 meter

FM Direct Wheel Drive without Motor

FMWD-DD-0M



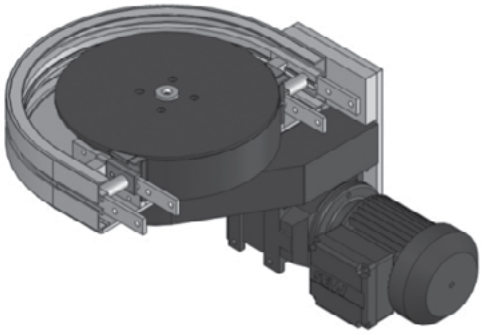


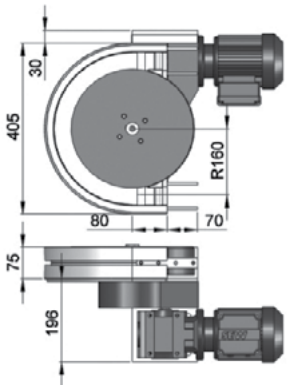
Max Traction Force: 200N
The Direct Wheel Drive Unit is without torque limiter. FMWD-DD-0M represents wheel drive without gear motor. Maximum traction force for FMWD-DD is lower than FMDD and FMSD.

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





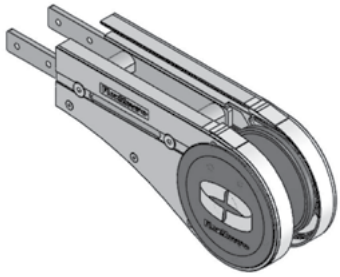
Max Traction Force: 200N
The Suspended Wheel Drive Unit is with torque limiter. FMWD-SD-0M represents wheel drive without gear motor. Maximum traction force for FMWD-SD is lower than FMDD and FMSD.

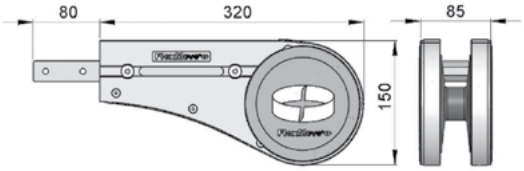
UOM: pc
Chain required 1-way: 0.7 meter
Slide rail required 1-way: 0.7 meter

SEW gearmotors are products of SEW Eurodrive

FM Idler End-65

FMIE-A85

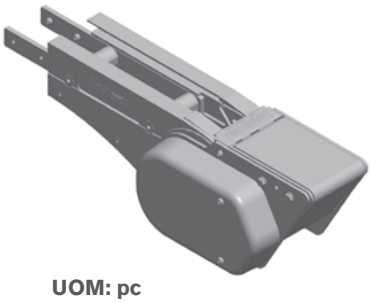


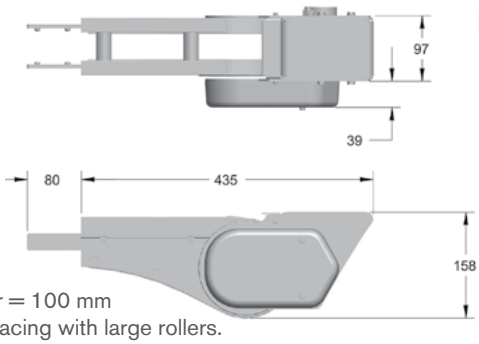


UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

FM Idler End with Power Transfer **(LEFT)**

FMIE-A85PT-L

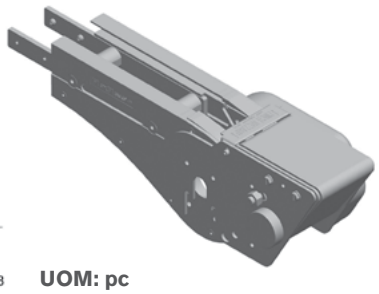




UOM: pc
Minimum product length for inline transfer = 100 mm
Provides extended transfer nose for interfacing with large rollers.

FM Idler End with Power Transfer **(LEFT)**

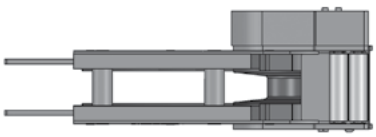
FMIE-A65PT-R

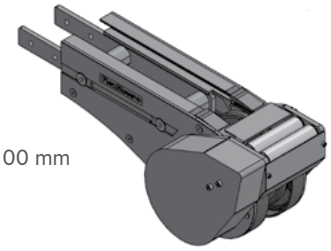


UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

FM Idler End Driven Transfer Bridge **(LEFT)**

FMIE-A85DB-A-L



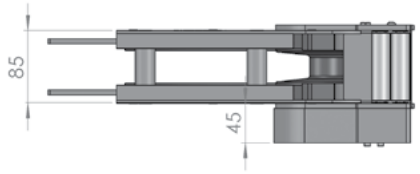


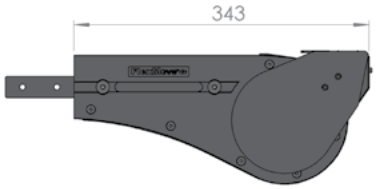
Minimum product length for inline transfer = 100 mm
Transfer extends past conveyor only 27 mm

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

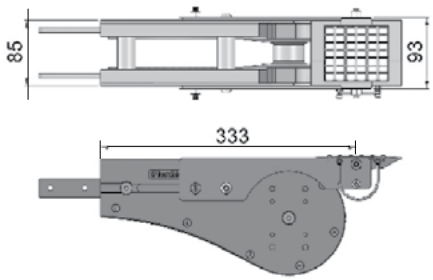
FM Direct Drive Driven Transfer Bridge **(RIGHT)**

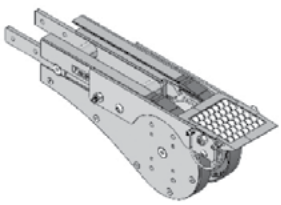
FMIE-A85DB-A-R





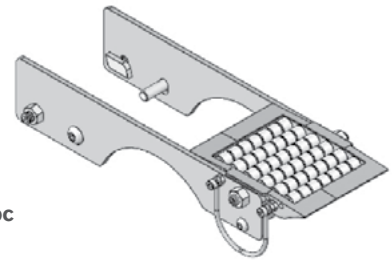
FM Idler Free Roller Transfer Bridge





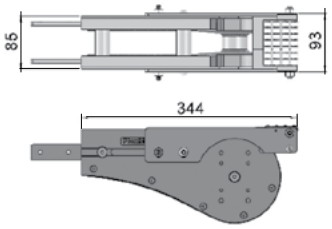
FMTB-A85

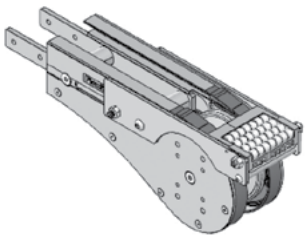
Transfer bridge c/w roller for FMIE-A85, FMDD-A85-XDY and FMDD-A85GP-XDY



UOM: pc

FM Idler End Free Roller Bridge

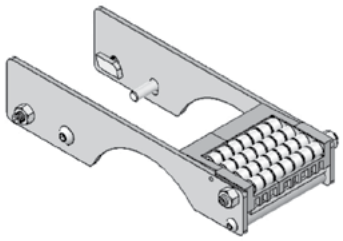




UOM: pc

FMEB-A85

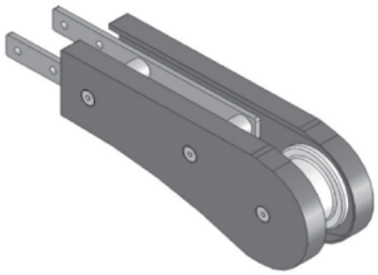
End transfer bridge c/w roller for FMIE-A85, FMDD-A85-XDY and FMDD-A85GP-XDY

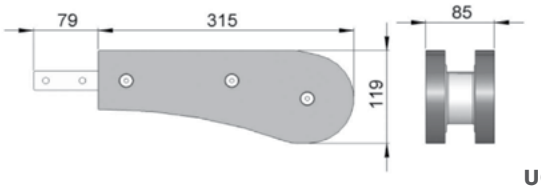


UOM: pc

FM Idler End-315

FMIE-315B

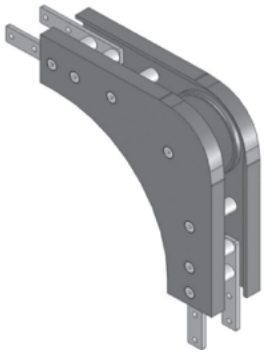


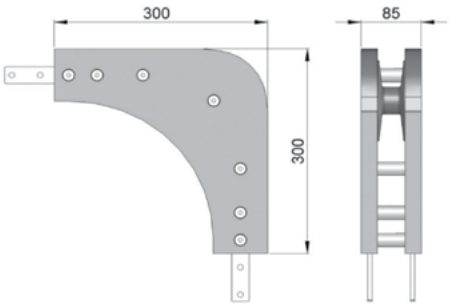


UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0

FM Idler Bend

FMIB-300

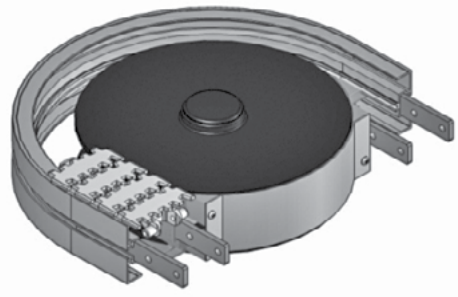


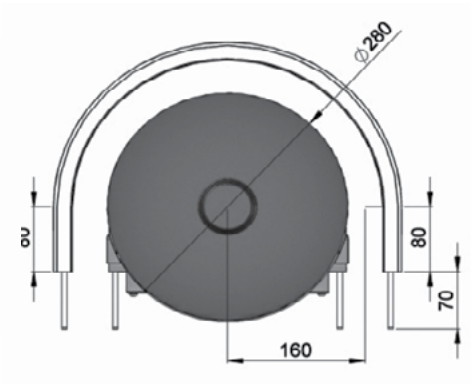


UOM: pc
Chain required 1-way: 0.6 meter
Slide rail: 0 meter
Note: Cannot be used with return chain

FM Wheel Bend 180°

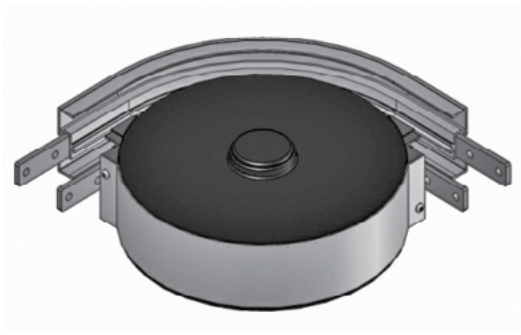
FMWB-180R160A

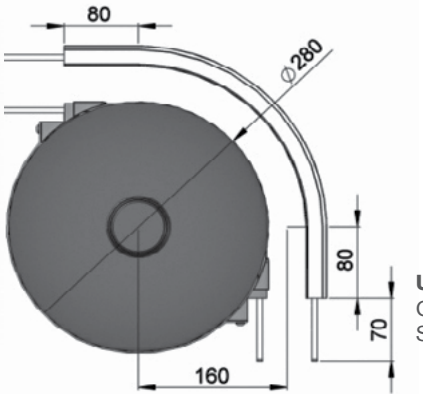




UOM: pc
Chain required 2-way: 1.3 meter
Slide rail required 2-way: 1.3 meter

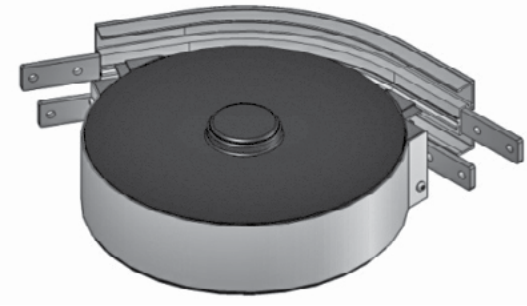
FM Wheel Bend 90° — FMWB-90R160A

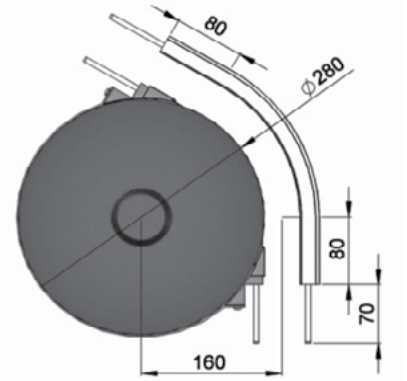




UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.8 meter

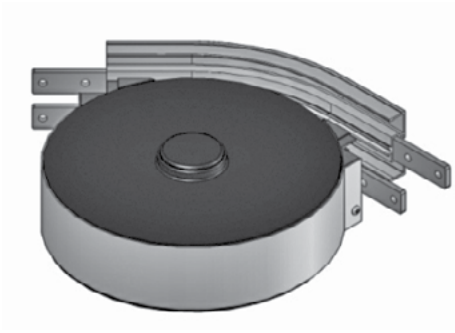
FM Wheel Bend 60° — FMWB-60R160A

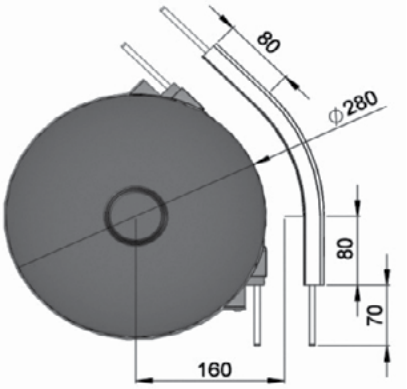




UOM: pc
Chain required 2-way: 0.7 meter
Slide rail required 2-way: 0.7 meter

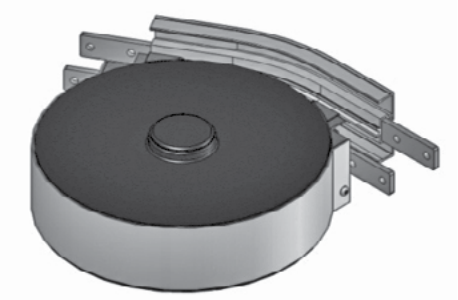
FM Wheel Bend 45° — FMWB-45R160A

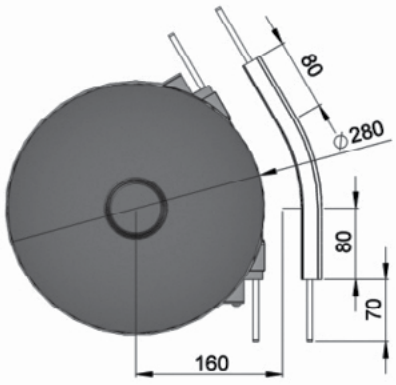




UOM: pc
Chain required 2-way: 0.6 meter
Slide rail required 2-way: 0.6 meter

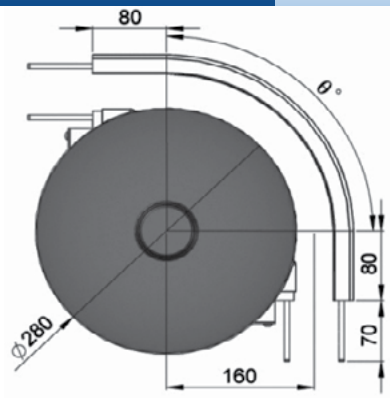
FM Wheel Bend 30° — FMWB-30R160A





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

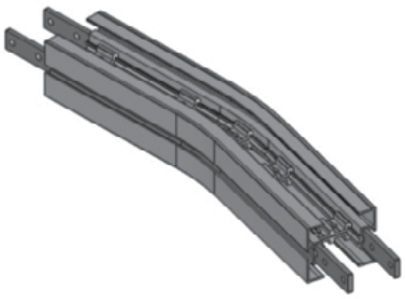
- Wheel bend, Ø° ± 1°
- FMWB-Ø°R160A

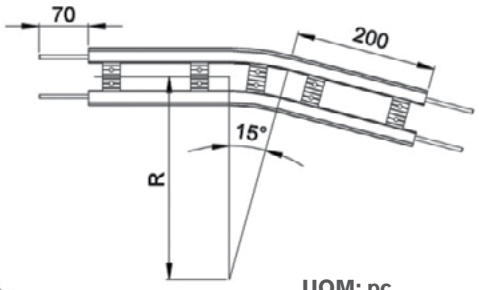
If an angle of 65° is needed for wheel bend, the ordering part number is

FMWB-65R160A

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

FM Horizontal Plain Bend 15°



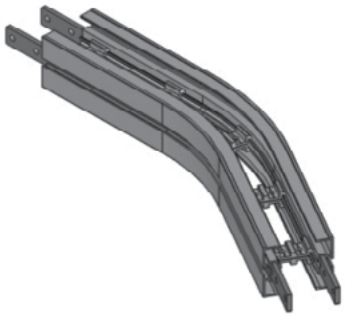


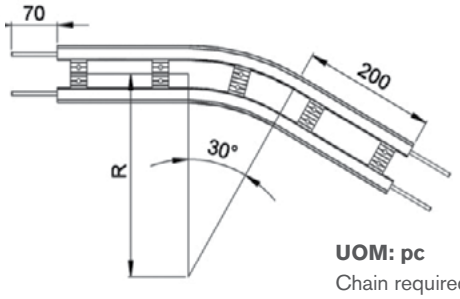
Horizontal plain bend, 15° ± 1°

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

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°



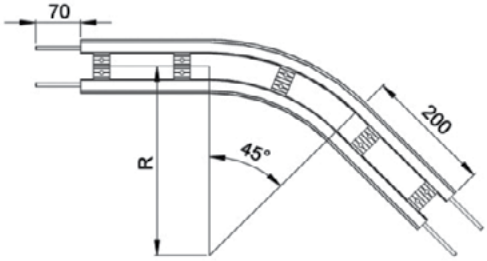


Horizontal plain bend, 30° ± 1°

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

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°

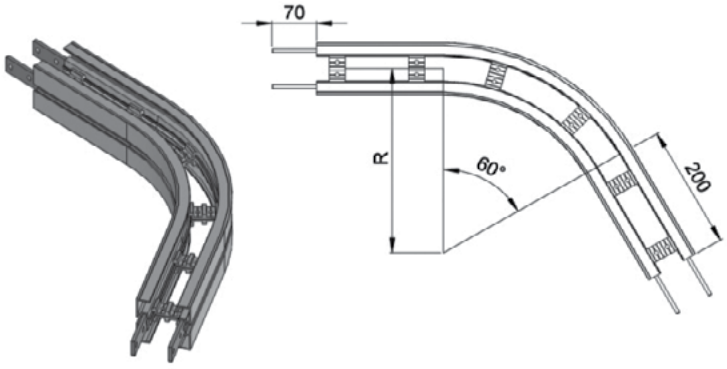


Horizontal plain bend, 45° ± 1°

R = 300 ± 10 mm	**FMHB-45R300**
R = 500 ± 10 mm	**FMHB-45R500**
R = 700 ± 10 mm	**FMHB-45R700**
R = 1000 ± 10 mm	**FMHB-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, 2.9, 3.3, 3.9 meter

FM Horizontal Plain Bend 60°



Horizontal plain bend, 60° ± 1°

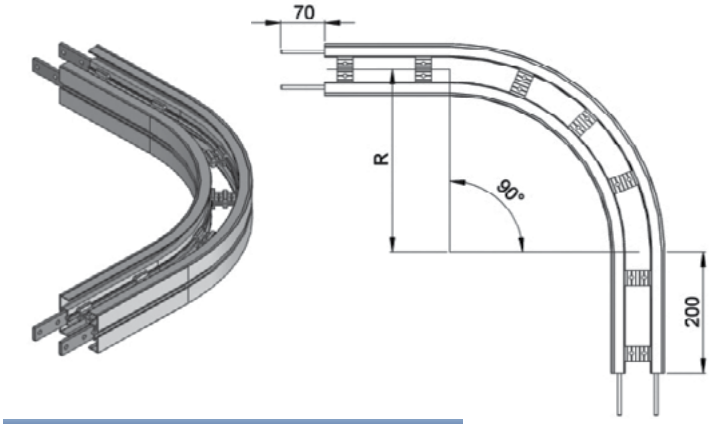
R = 300 ± 10 mm	**FMHB-60R300**
R = 500 ± 10 mm	**FMHB-60R500**
R = 700 ± 10 mm	**FMHB-60R700**
R = 1000 ± 10 mm	**FMHB-60R1000**

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°

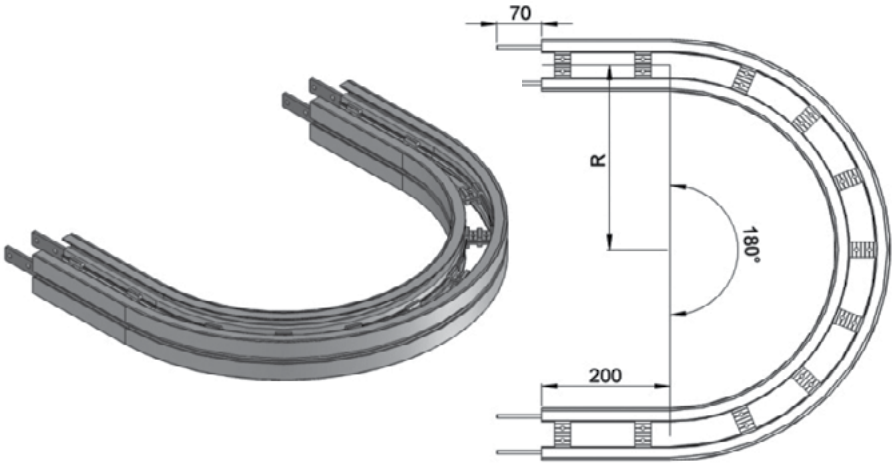
R = 300 ± 10 mm	**FMHB-90R300**
R = 500 ± 10 mm	**FMHB-90R500**
R = 700 ± 10 mm	**FMHB-90R700**
R = 1000 ± 10 mm	**FMHB-90R1000**

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°

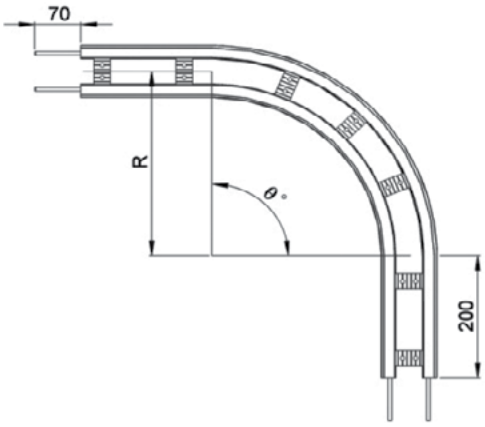
R = 300 ± 10 mm	**FMHB-180R300**
R = 500 ± 10 mm	**FMHB-180R500**
R = 700 ± 10 mm	**FMHB-180R700**
R = 1000 ± 10 mm	**FMHB-180R1000**

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

FM Horizontal Plain Bend 5° - 180°



Example for FM Horizontal Plain Bend Ordering

Horizontal plain bend, Ø° ± 1°

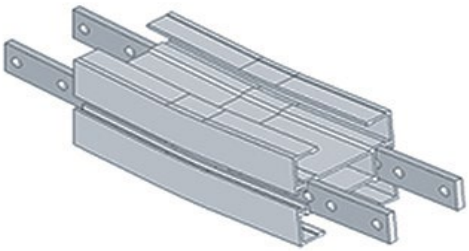
R = 300 ± 10 mm	**FMHB- Ø°R300**
R = 500 ± 10 mm	**FMHB- Ø°R500**
R = 700 ± 10 mm	**FMHB- Ø°R700**
R = 1000 ± 10 mm	**FMHB- Ø°R1000**

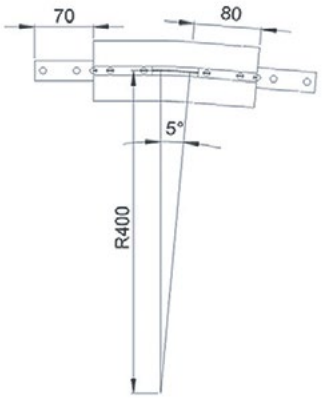
If an angle of 120° is needed for radius R500 horizontal plain bend, the ordering part number is

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)

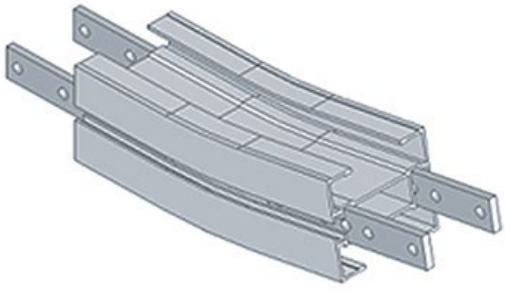
FM Vertical Bend 5° FMVB-5R400

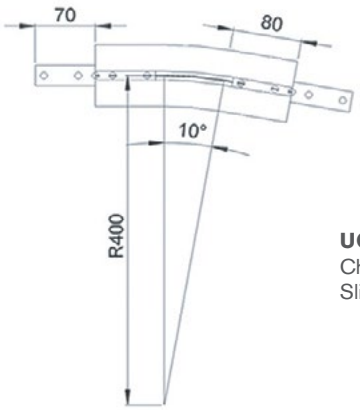




UOM: pc
Chain required 2-way: 0.4 meter
Slide rail required 2-way: 0.8 meter

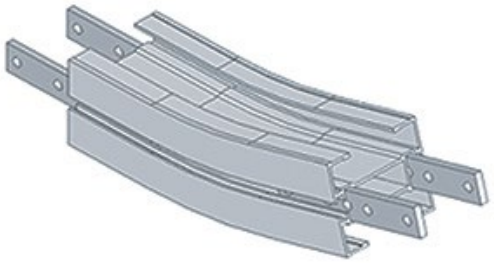
FM Vertical Bend 10° FMVB-10R400

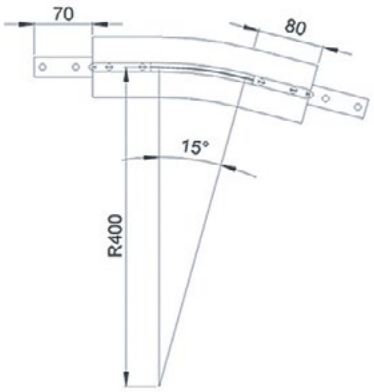




UOM: pc
Chain required 2-way: 0.5 meter
Slide rail required 2-way: 1.1 meter

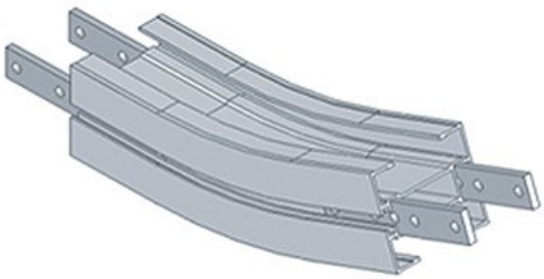
FM Vertical Bend 15° — FMVB-15R400

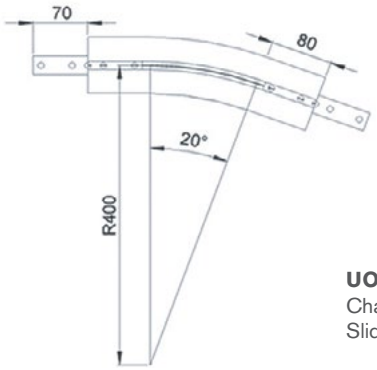




UOM: pc
Chain required 2-way: 0.5 meter
Slide rail required 2-way: 1.1 meter

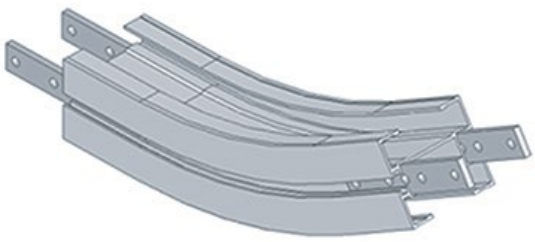
FM Vertical Bend 20° — FMVB-20R400

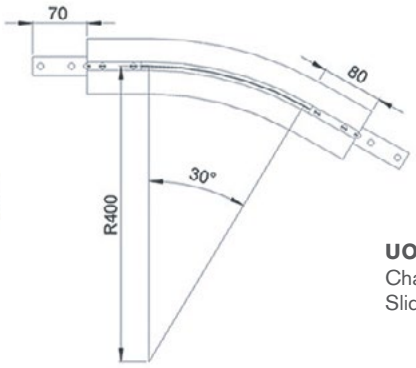




UOM: pc
Chain required 2-way: 0.6 meter
Slide rail required 2-way: 1.2 meter

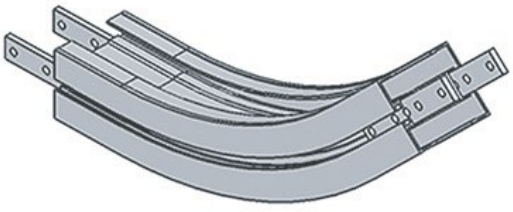
FM Vertical Bend 30° — FMVB-30R400

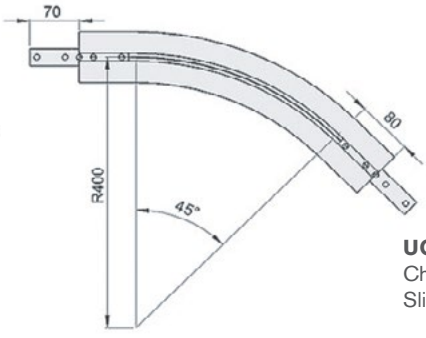




UOM: pc
Chain required 2-way: 0.7 meter
Slide rail required 2-way: 1.5 meter

FM Vertical Bend 45° — FMVB-45R400

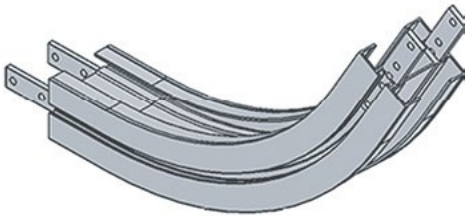


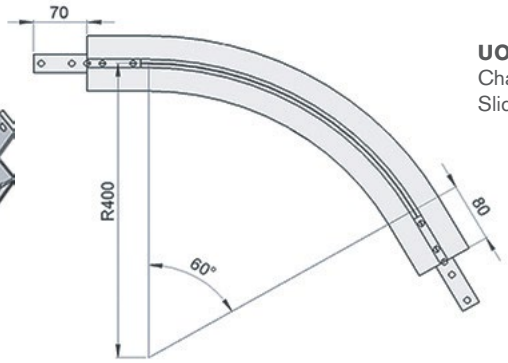


UOM: pc
Chain required 2-way: 0.9 meter
Slide rail required 2-way: 1.9 meter

FM Vertical Bend 60°

FMVB-60R400

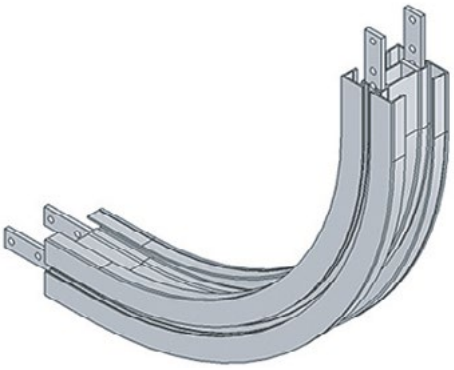


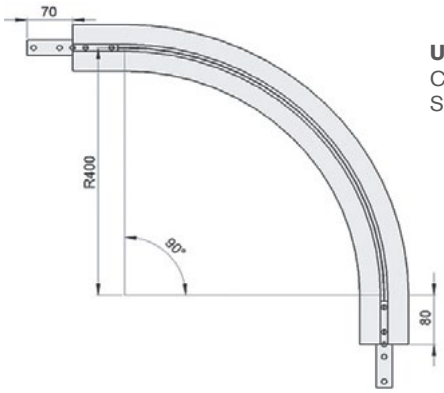


UOM: pc
Chain required 2-way: 1.2 meter
Slide rail required 2-way: 2.3 meter

FM Vertical Bend 90°

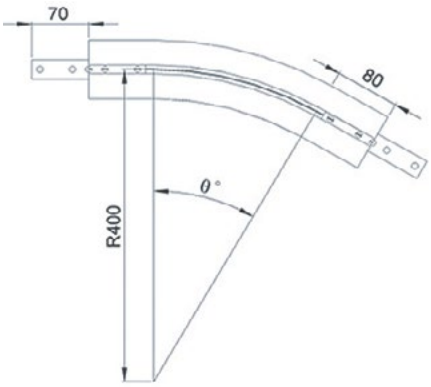
FMVB-90R400





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

FM Vertical Bend 5° - 90°



Example for FM Vertical Bend Ordering

- Vertical bend, Ø° ± 1°
- FMVB-Ø°R400

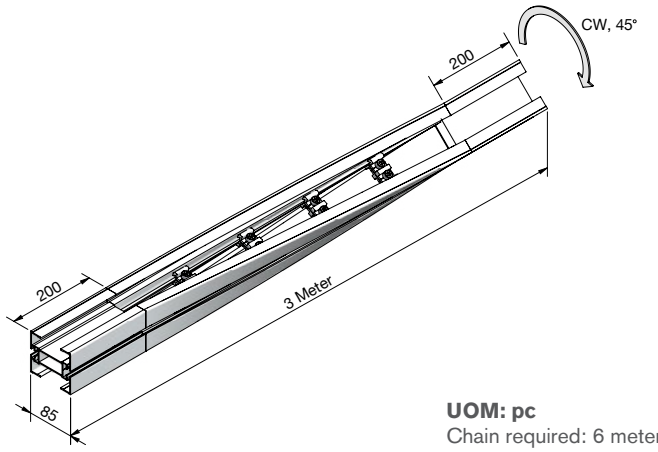
If an angle of 65° is needed for vertical bend, the ordering part number is

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)**

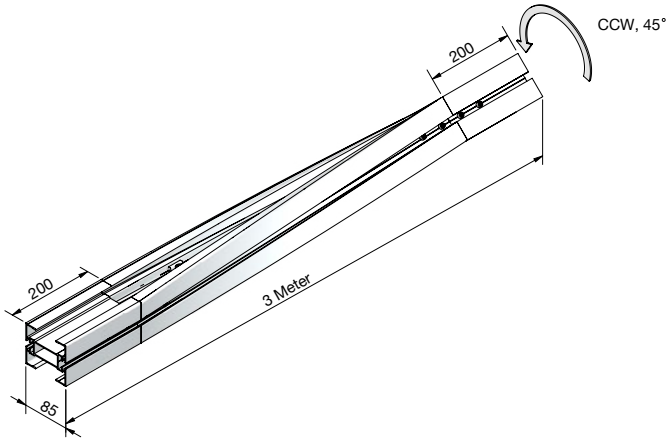
FMTB-CW45x3000



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

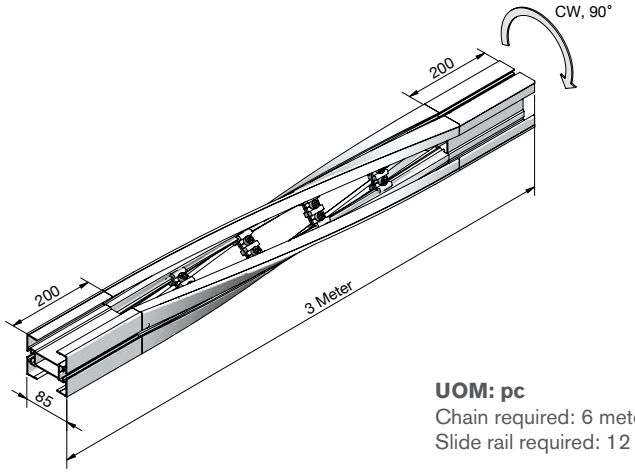
FM 45 Degree Twist Conveyor Beam **(Counter-Clockwise)**

FMTB-CCW45x3000



FM 90 Degree Twist Conveyor Beam **(Clockwise)**

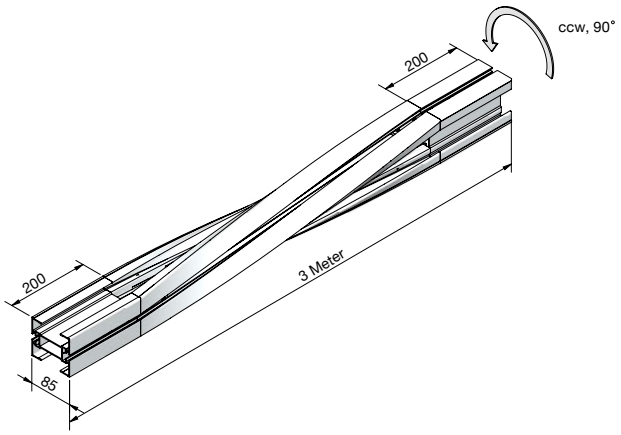
FMTB-CW90x3000



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

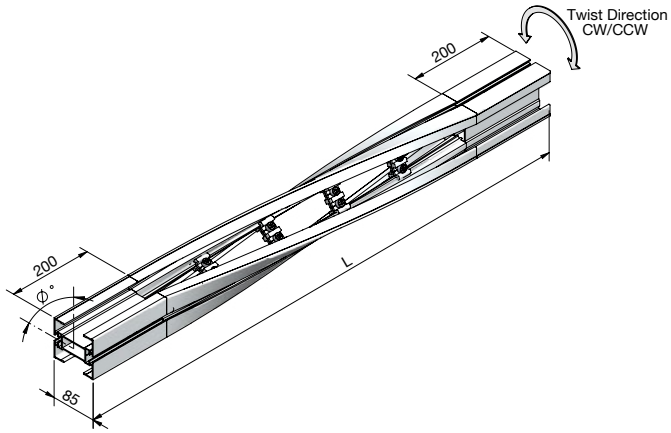
FM 90 Degree Twist Conveyor Beam **(Counter-Clockwise)**

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, Ø° ± 5°

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

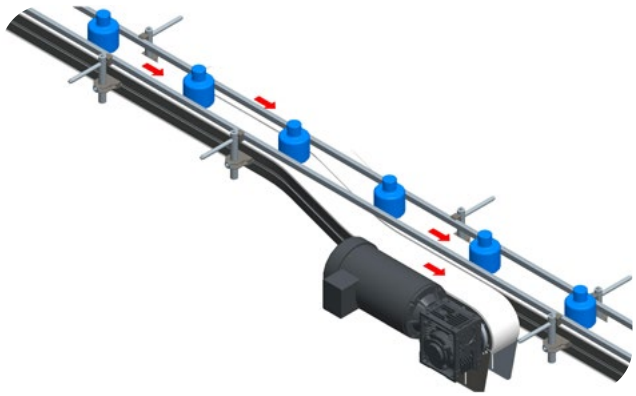
FMTB-CW30x3000

Angle of Ø°, twist direction, and length L, must be indicated when ordering.

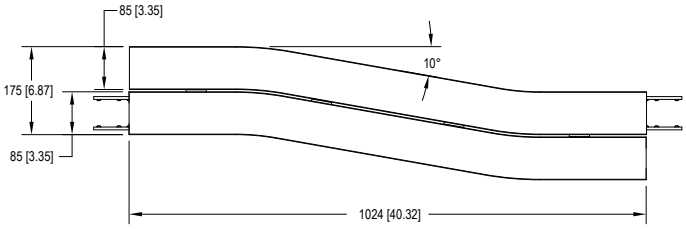
UOM: pc
Chain required: 6 meter
Slide rail required: 12 meter

FM S In-Line Transfer Module

FMST-085

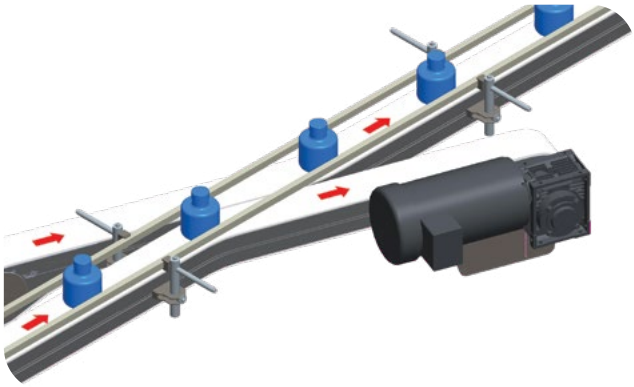


- S In-Line Modules provide a standard, compact way to side transfer product from conveyor to conveyor.
- Straight guiding is placed across the transfer module for smooth In-Line product flow
- Conveyors are mounted together to provide a smooth transfer even for small products
- S In-Line transfers are compact in the width dimension

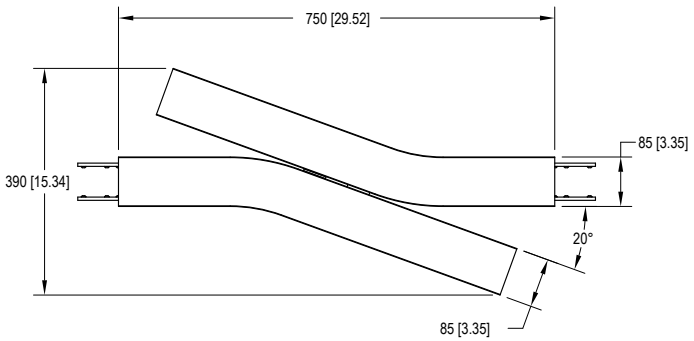


FM X In-Line Transfer Module

FMXT-085



- X In-Line Modules provide a standard, compact way to side transfer product from conveyor to conveyor.
- Straight guiding is placed across the transfer module for smooth In-Line product flow
- Conveyors are mounted together to provide a smooth transfer even for small products
- X In-Line transfers are compact in the length direction



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

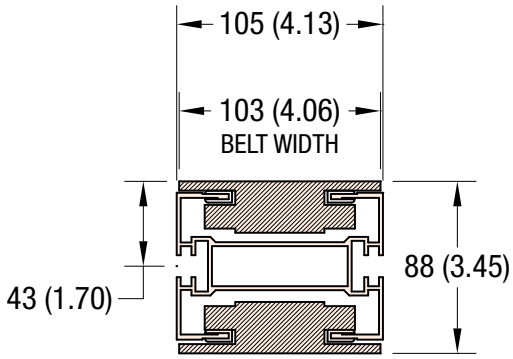
Slide Rail Color: White or Natural Color

Slide Rail Material: HDPE OR UHMW-PE

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

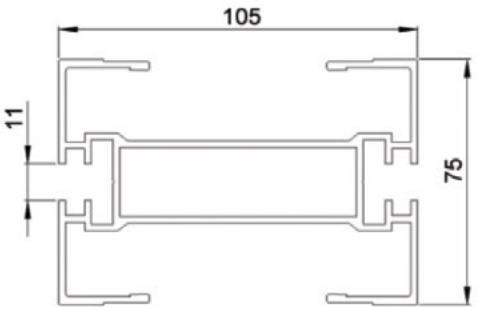
Connecting strip is used to connect two beams.

Connecting Strip: FACS-25x140A

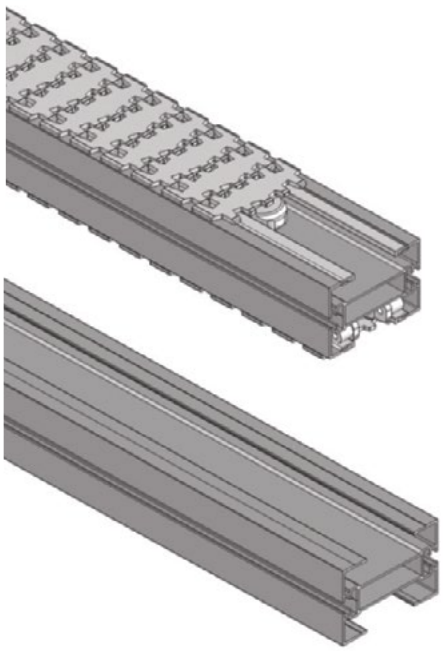


105 MM WIDTH

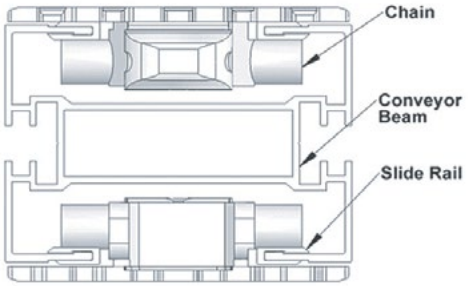
Conveyor Beam FCCB-3



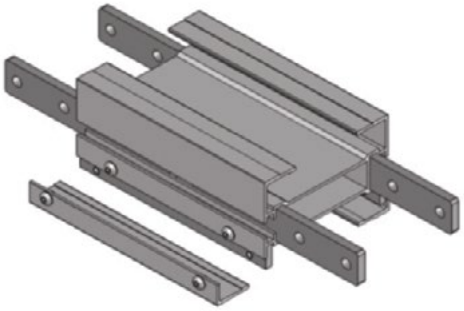
UOM: 3 Meter / Length



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:

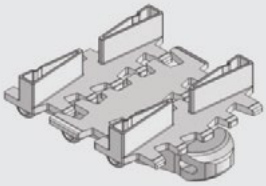
Chain: White Acetal / POM

Pivot: Polyamide

Pivot Pin: Stainless Steel

Insert (Wedge & Friction): TPE Grey

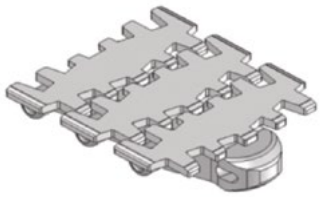
Example for FCCT-5A17-L#
= 1 cleated top chain with alternate of # link of plain chain

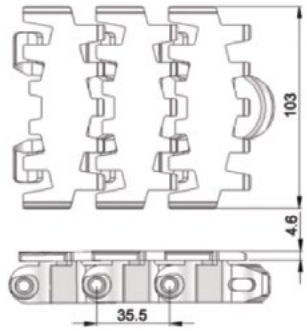


The above chain is FCCT-5A17-L1, 1 link cleated top chain with alternate of 1 link of plain chain.

Note: # = 1, 2, 3, 4, 5…..20

Standard Plain Chain **FCPC-5**

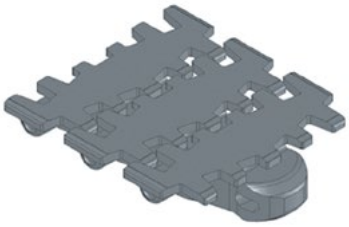


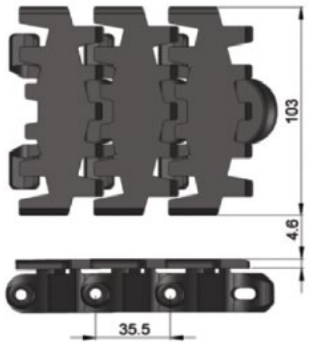


UOM: 5 Meter / box

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

Conductive Chain **FCPC-5CD**



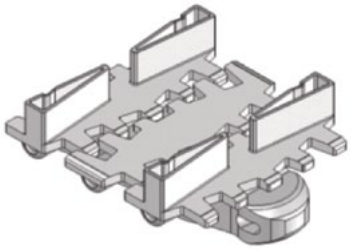


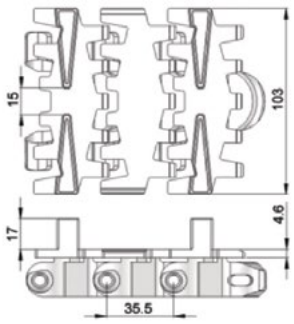
UOM: 5 Meter / box

Application: Suitable for transport of static sensitive product.

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

 # = 1, 2, 3, 4, 5…..20



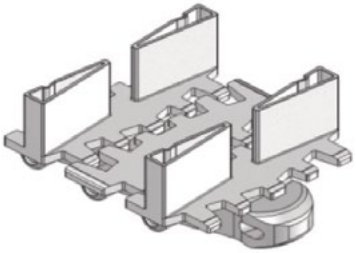


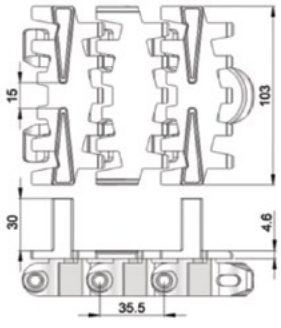
UOM: 5 Meter / box

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

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

 # = 1, 2, 3, 4, 5…..20

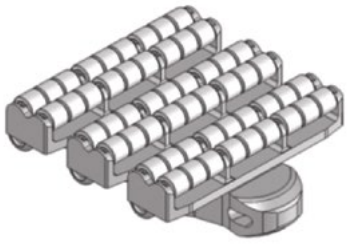


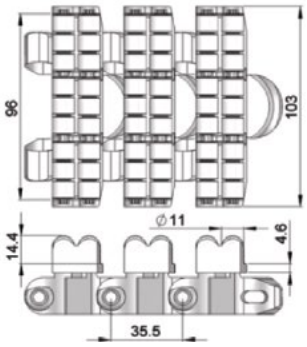


UOM: 5 Meter / box

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

Roller Top Chain **FCRT-5**

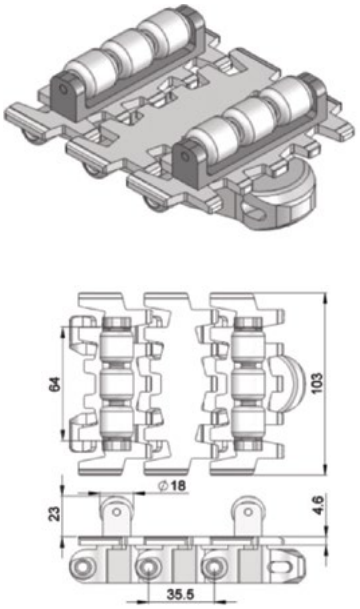




UOM: 5 Meter / box

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

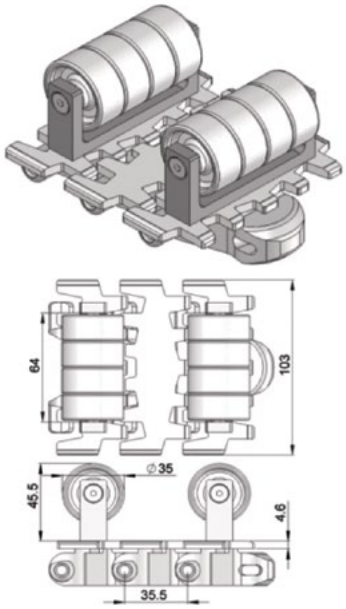
Roller Cleat Chain **FCRC-5A-L#**



UOM: 5 Meter / box

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

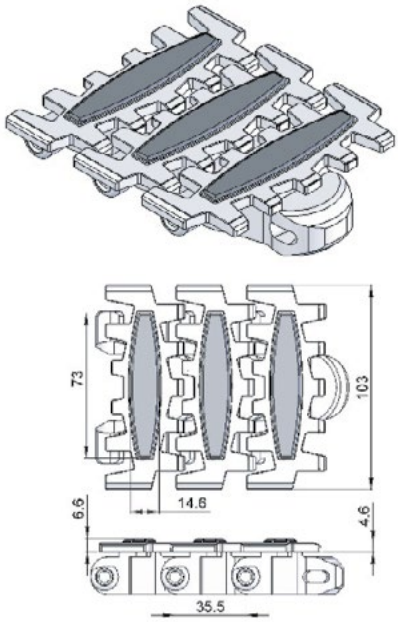
Roller Cleat Chain **FCRC-5B-L#**



UOM: 5 Meter / box

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

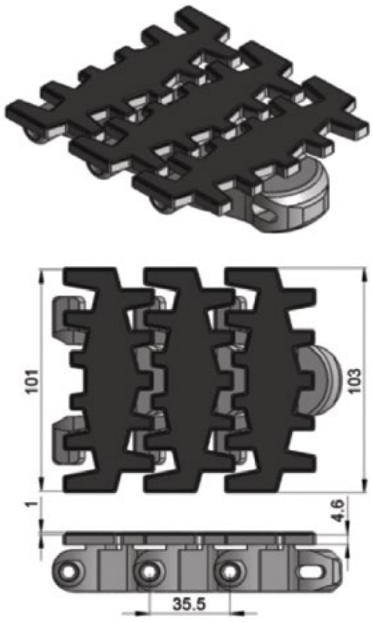
Friction Top Chain **FCFT-5**



UOM: 5 Meter / box

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

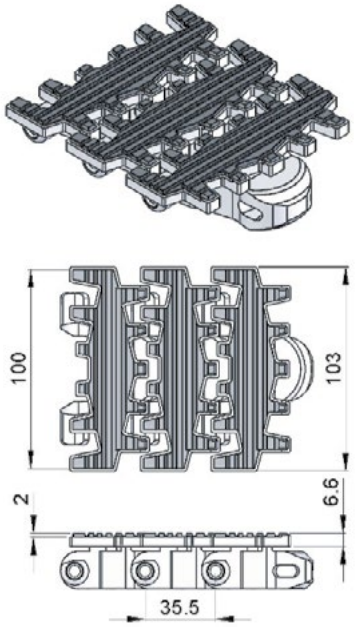
Friction Top Chain **FCFT-5A**



UOM: 5 Meter / box

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

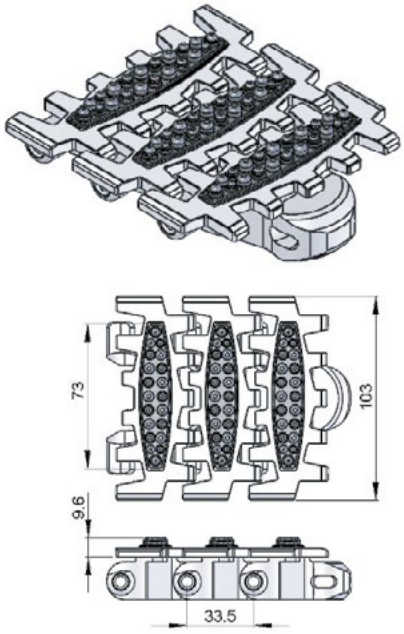
Friction Top Chain **FCFT-5B**



UOM: 5 Meter / box

Application: Suitable for transport product in slope > 5 ° but ≤ 40 ° without accumulation.

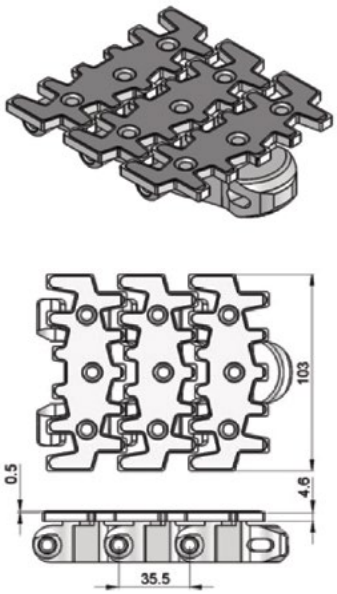
Friction Top Chain **FCFT-5C**



UOM: 5 Meter / box

Application: Suitable for transport product in of slope > 5 ° but ≤ 35 ° without accumulation.

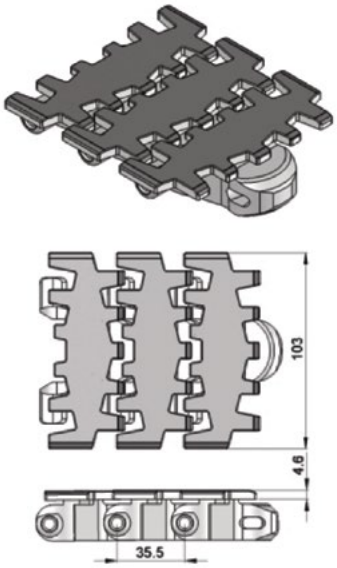
S/steel Top Chain **FCST-5S**



UOM: 5 Meter / box

Application: Suitable to transport metal products in accumulation.

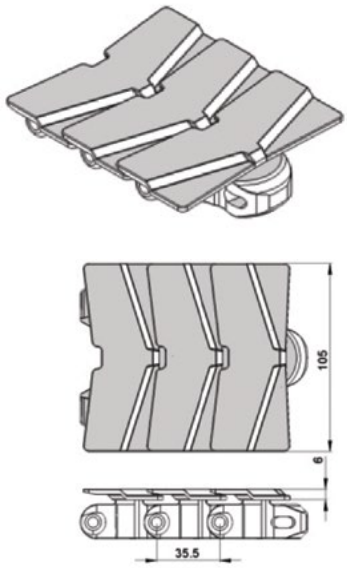
Flocked Chain **FCFK-5**



UOM: 5 Meter / box

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

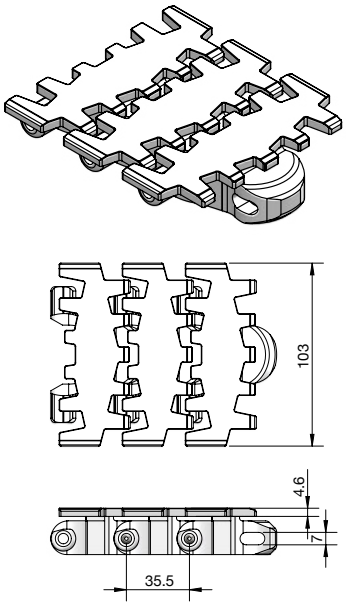
Safety Chain **FCPC-5V**



UOM: 5 Meter / box

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

Twist Chain **FCPC-5M**

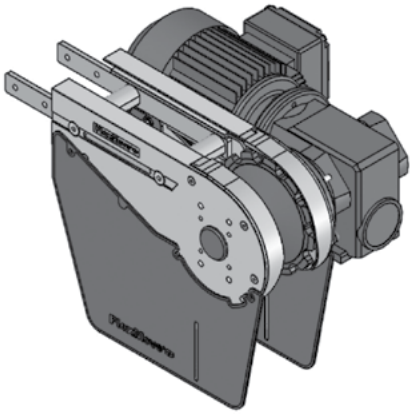


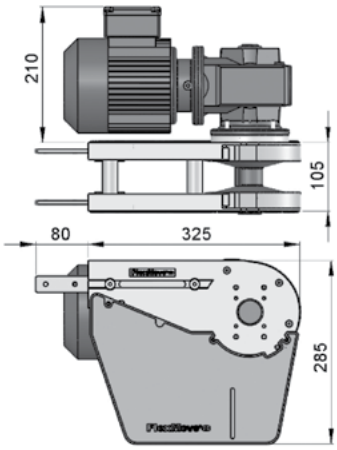
UOM: 5 Meter / box

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

FC Direct End Drive without Motor (LEFT)

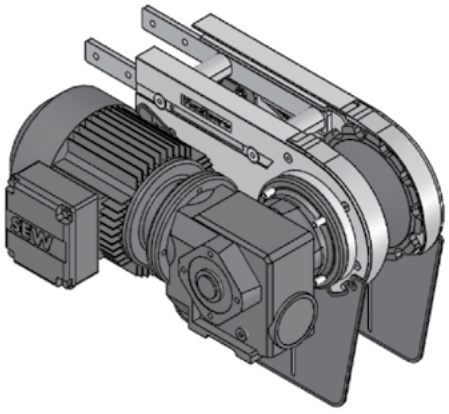
FCDD-A105-XDY (See Chart)





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*		
		A = 20 mm Aux Only	R = Right	A = 20 mm Aux Shaft

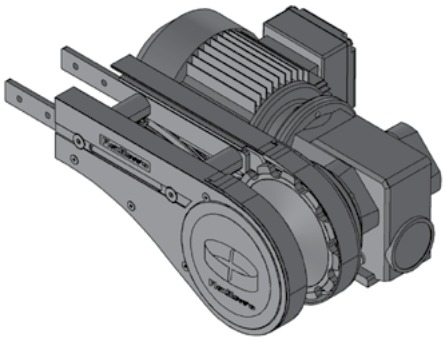
*3/4 inch shaft option available in North America only.

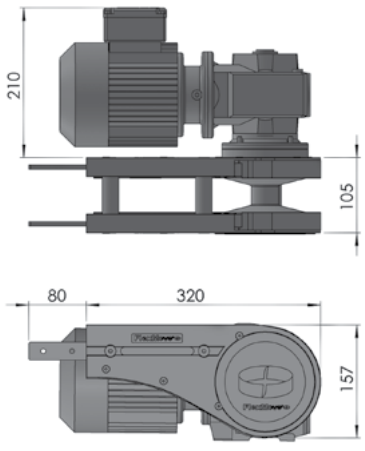
Max Traction Force: 1250N
The Direct End Drive Unit is without torque limiter.

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)

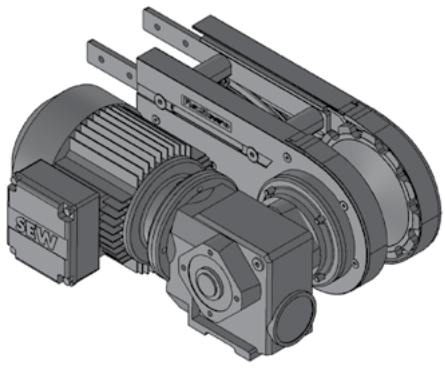
FCDD-A105GP-XDY (See Chart)





FC Direct End Drive unit without Motor GP (RIGHT)

FCDD-A105GP-XDY (See Chart)



Requires the use of connecting or weighted take-up module for chain maintenance.

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*		
		A = 20 mm Aux Only	R = Right	A = 20 mm Aux Shaft

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

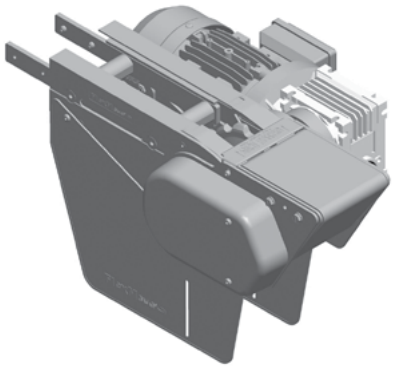
Max Traction Force: 1250N
The Direct End Drive Unit GP is without torque limiter.

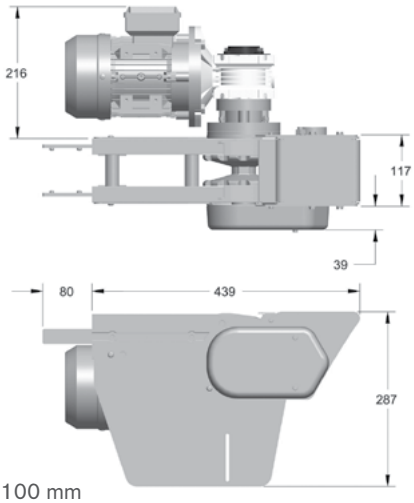
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

SEW gearmotors are products of SEW Eurodrive

FC Direct with Power Transfer Motor (LEFT)

FCDD-A105PT-XD (See Chart)





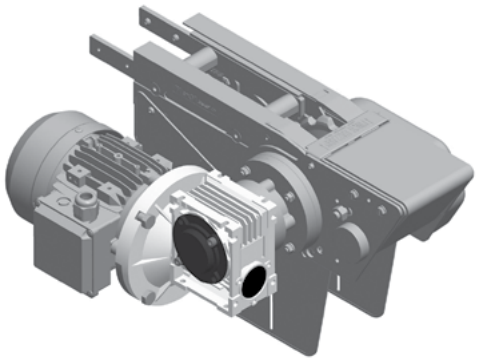
Minimum product length for inline transfer = 100 mm
Maximum speed is 30 m/min (100 ft/min)
Only one power transfer needed on either infeed or discharge trail required for end to end transer. Provides extended transfer nose for interfacing with large rollers.

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)

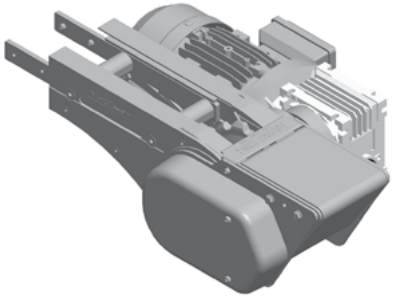


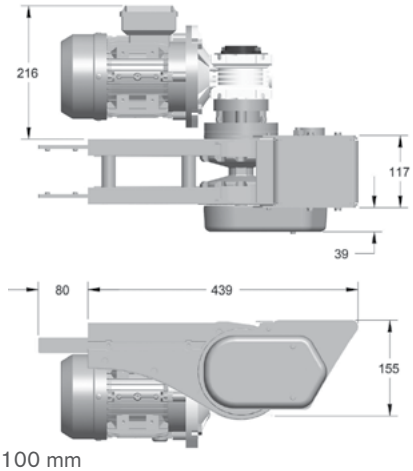
Max Traction Force: 1250N
The Direct End Drive Unit is without torque limiter.

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)





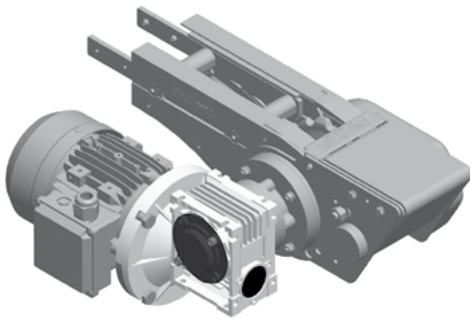
Minimum product length for inline transfer = 100 mm
Maximum speed is 30 m/min (100 ft/min)
Only one power transfer needed on either infeed or discharge trail required for end to end transer. Provides extended transfer nose for interfacing with large rollers.
Requires the use of connecting or weighted take-up 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)



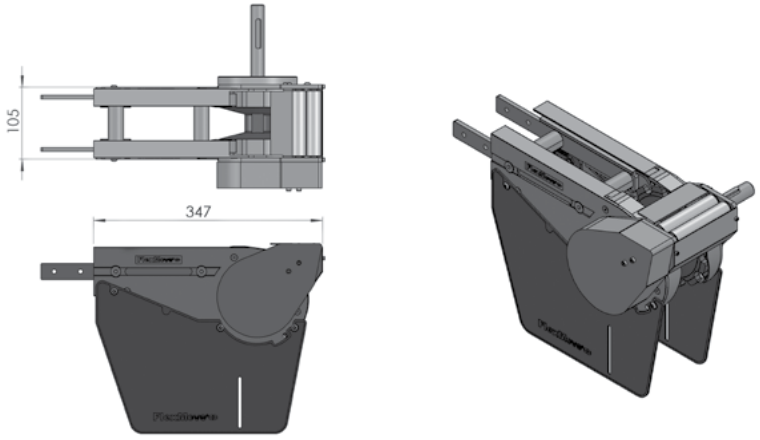
Max Traction Force: 1250N
The Direct End Drive Unit GP is without torque limiter.

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

SEW gearmotors are products of SEW Eurodrive

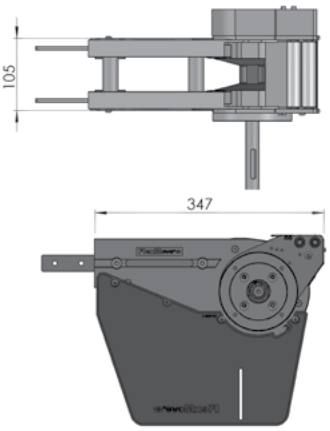
FC Direct Drive Driven Transfer Bridge **(LEFT)**

FCDD-A105DB-A-0L



FC Direct Drive Driven Transfer Bridge **(RIGHT)**

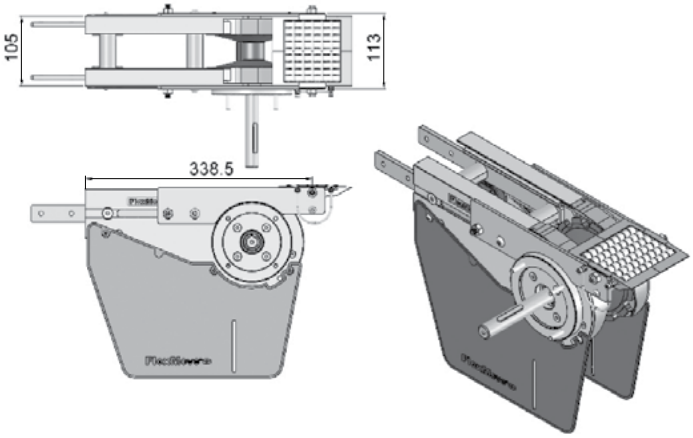
FCDD-A105DB-A-0R



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

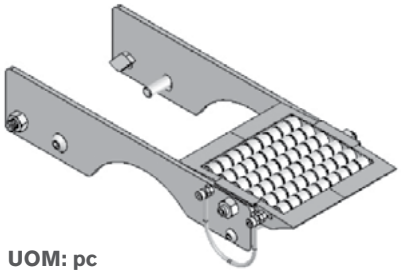
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

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



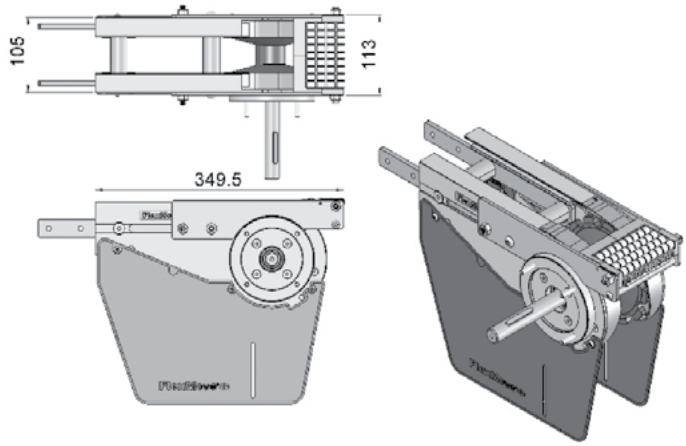
FCTB-A105

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



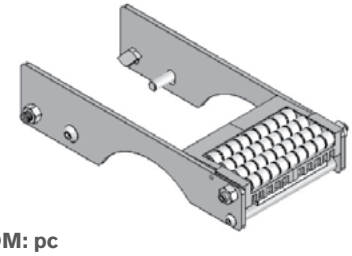
UOM: pc

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

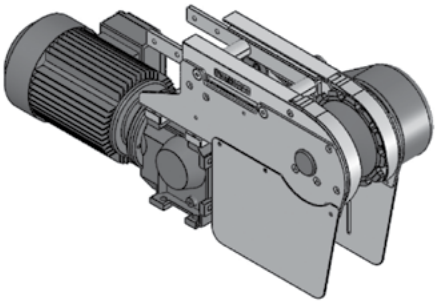


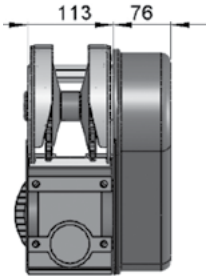
UOM: pc

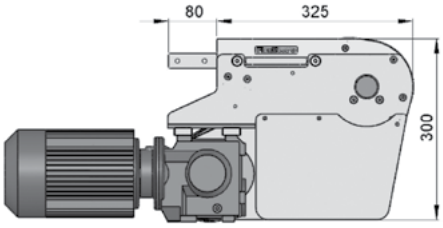
SEW gearmotors are products of SEW Eurodrive

FC Suspended End Drive without Motor **(LEFT)**

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



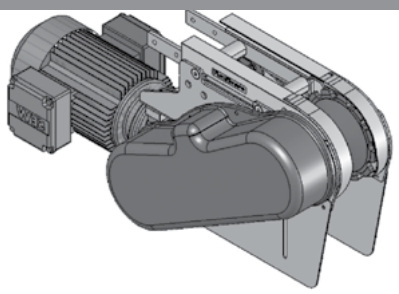




- Locates gearmotor below conveyor for compact applications.
- Includes torque limiter protecting chain and motor from overload.
- Chain pull capacity at 1250N for unit without torque limiter.
- Chain pull capacity at 840N for unit with torque limiter.

FC Suspended End Drive without Motor **(RIGHT)**

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

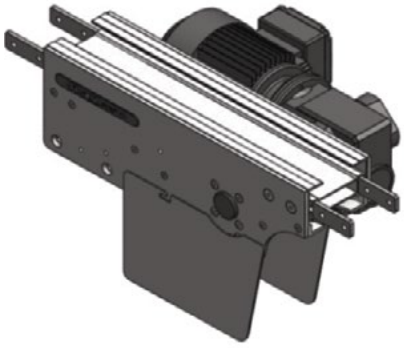


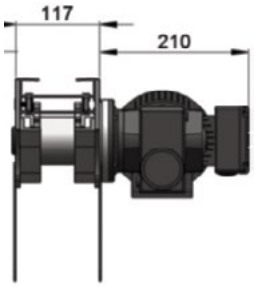
Max Traction Force:
1250N (without limiter)
800N (with limiter)

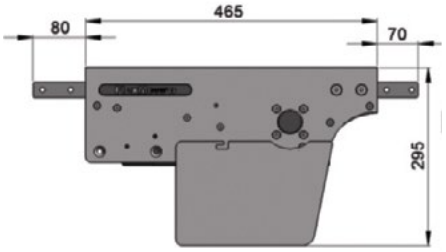
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

FC Direct Intermediate Drive without Motor **(LEFT)**

FCID-DD-0L1



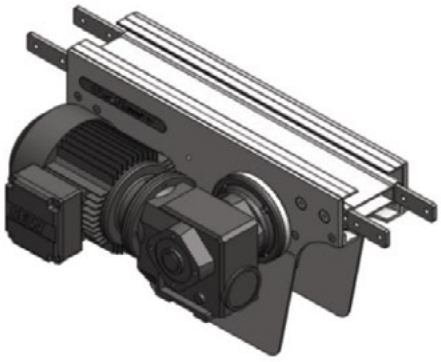




- Located in middle section of conveyor to free up drive end.

FC Direct Intermediate Drive without Motor **(RIGHT)**

FCID-DD-0R1



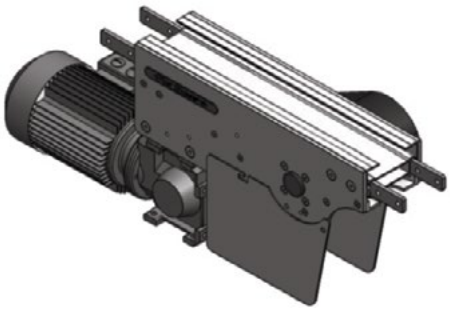
Max Traction Force: 200N
The Direct Intermediate Drive Unit is without torque limiter.

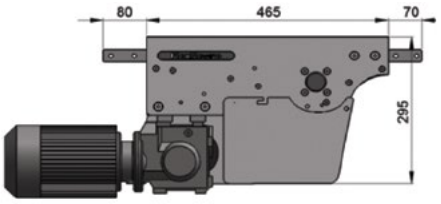
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

SEW gearmotors are products of SEW Eurodrive

FC Suspended Intermediate Drive without Motor (LEFT)

FCID-SD -0L1

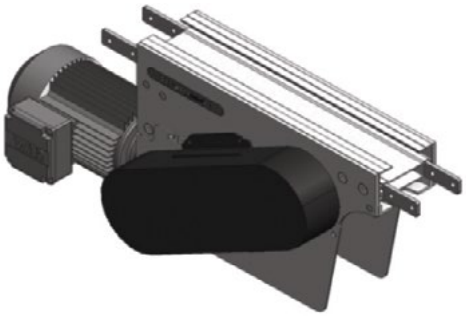




- Located in middle of conveyor to free up drive end.
- Includes torque limiter protecting chain and motor form overload.
- Limits chain pull capacity at 200N.

FC Suspended Intermediate Drive without Motor (RIGHT)

FCID-SD-0R1

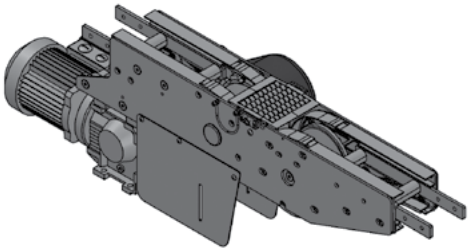


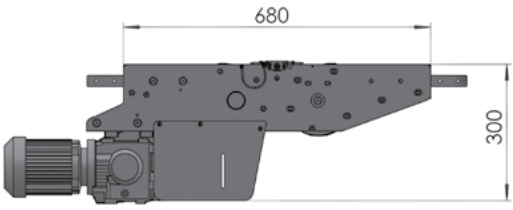
Max Traction Force: 200N
The Suspended Intermediate Drive Unit is with torque limiter.

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

FC Combined Suspended Drive & Idler (LEFT)

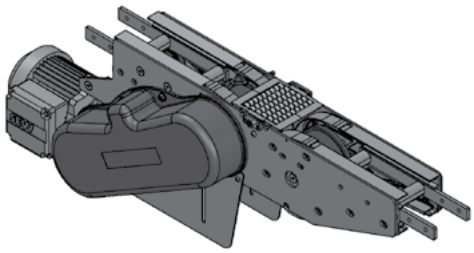
FCCDI-SD-A105-0L





FC Combined Suspended Drive & Idler (RIGHT)

FCCDI-SD-A105-0R



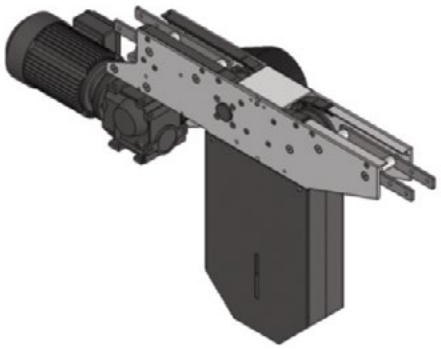
Max Traction Force: 800N
The Combine Suspended End Drive Unit is with torque limiter.

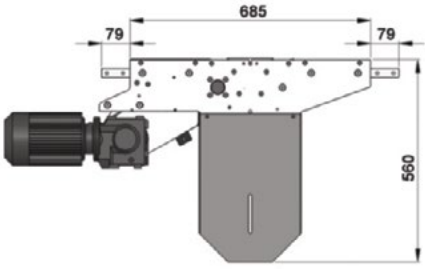
UOM: pc
Chain required 2-way: 1.6 meter
Slide rail required 2-way: 1.0 meter

SEW gearmotors are products of SEW Eurodrive

FC Suspended Catenary Drive without Motor **(LEFT)**

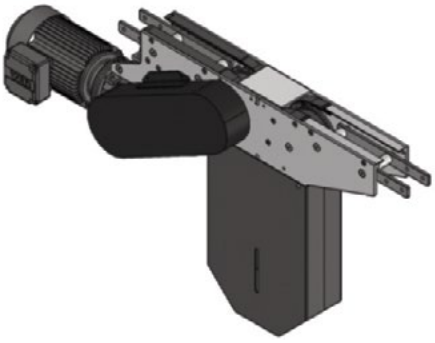
FCCD-SD-0L





FC Suspended Catenary Drive without Motor **(RIGHT)**

FCCD-SD-0R

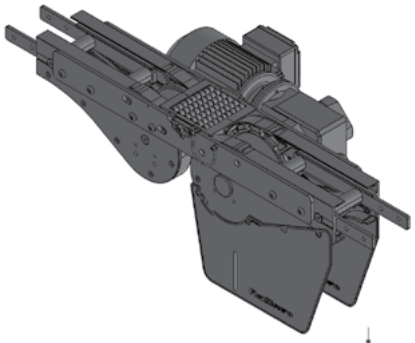


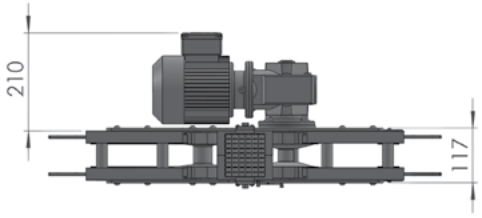
Max Traction Force: 800N
The Suspended Catenary Drive Unit is with torque limiter.

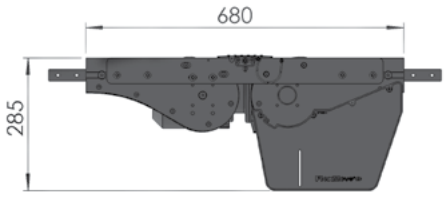
UOM: pc
Chain required 1-way: 1.4 meter
Slide rail required 1-way: 1.0 meter

FC Combined Direct Drive & Idler **(LEFT)**

FCCDI-DD-A105-0L

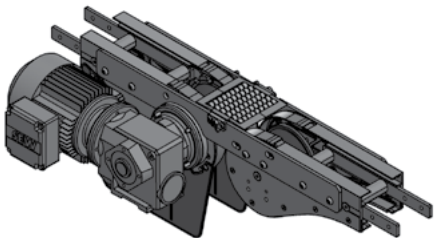






FC Combined Direct Drive & Idler **(RIGHT)**

FCCDI-DD-A105-0R

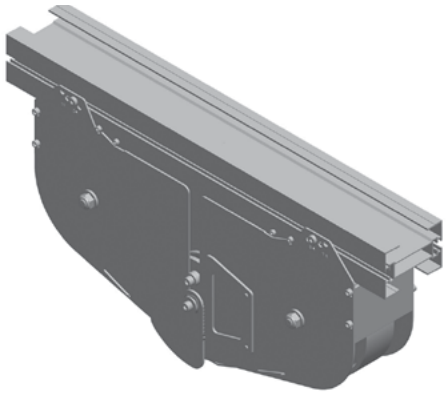


Max Traction Force: 1250N
The Combine Direct End Drive Unit is without torque limiter. Standard attached gearmotors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FCCDI-DD-A105-0L represents direct drive without gear motor.

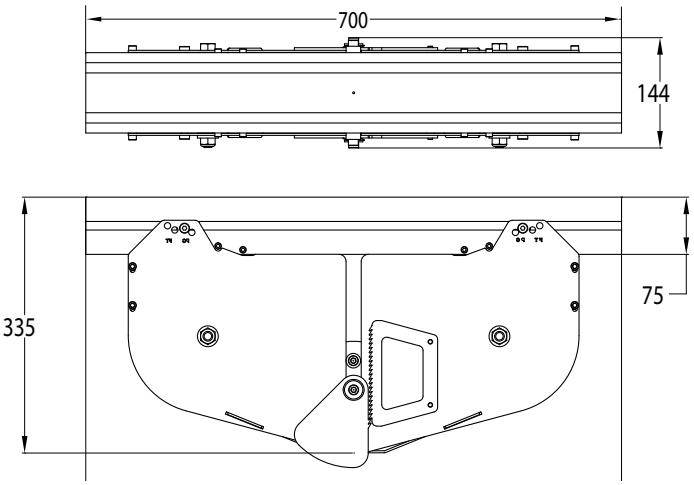
UOM: pc
Chain required 2-way: 1.6 meter
Slide rail required 2-way: 1.0 meter

FC Weighted Take-up Module

FC-WTU-700



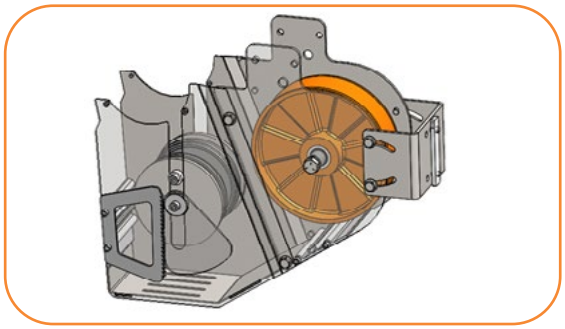
- Provides automatic chain stretch take-up
- Reduces noise caused from catenary tail
- Must be used with GP Drive End, sold separately
- Used on conveyors over 12 M long

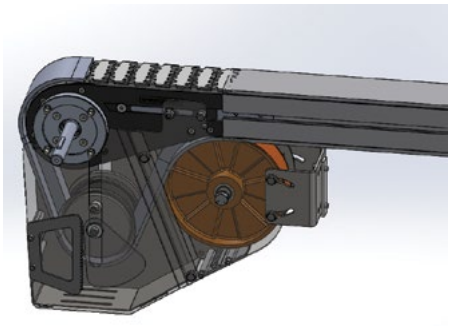


UOM: pc
Chain required 1.5 meter
Slide rail required 2.1 meter

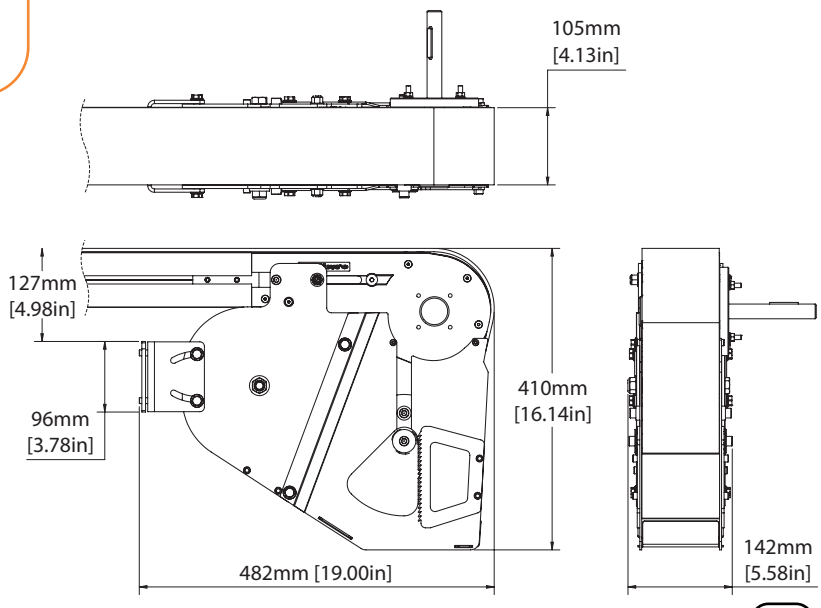
FC Weighted Take-up Tail Module

FC-WTU-105





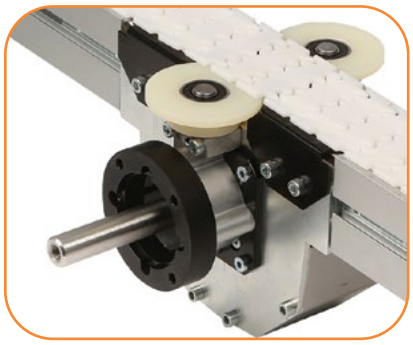
- Provides controlled chain take-up for improved conveyor performance
- Compact design fits in similar space as standard direct drive modules
- Smooths conveyor chain movement by helping to eliminate micro-surging
- Suggested for conveyors over 12.2 M (40 ft) in length
- Capable of inclined and declined arrangement up to 30 degrees
- Improves operator safety by enclosing chain catenary
- Attaches to direct end drive tail
- Compatable with power transfer and driven bridge



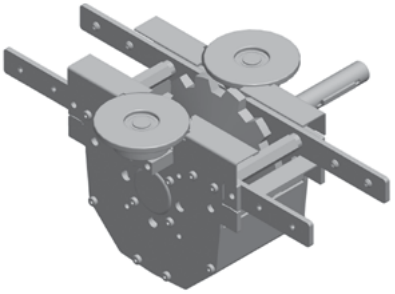
UOM: pc
Chain required 1.5 meter
Slide rail required 2.1 meter

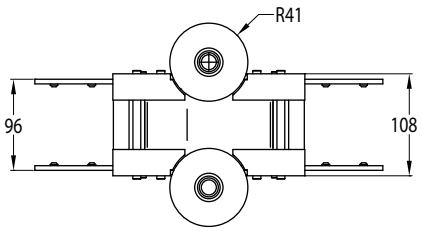
FC Top Running Drive Module

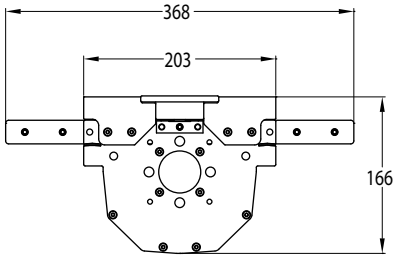
FCTRD-203



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



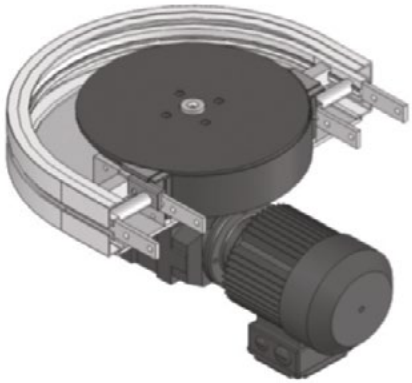


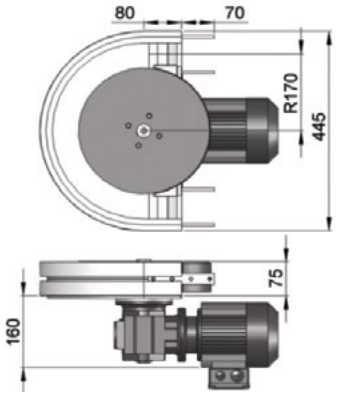


UOM: pc
Chain required 0.2 meter

FC Direct Wheel Drive without Motor

FCWD-DD-0M



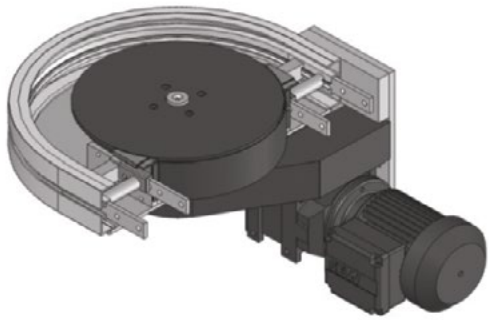


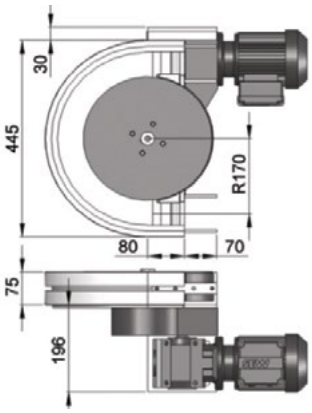
Max Traction Force: 200N
The Direct Wheel Drive Unit is without torque limiter. FCWD-DD-0M represents wheel drive without gear motor. Maximum traction force for FCWD-DD is lower than FCDD and FCSD.

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





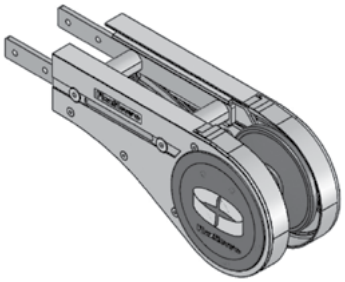
Max Traction Force: 200N
The Suspended Wheel Drive Unit is with torque limiter. FCWD-SD-0M represents wheel drive without motor. Maximum traction force for FCWD-SD is lower than FCDD and FCSD.

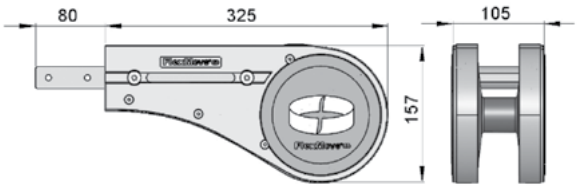
UOM: pc
Chain required 1-way: 0.7 meter
Slide rail required 1-way: 0.7 meter

SEW gearmotors are products of SEW Eurodrive

FC Idler End-105

FCIE-A105

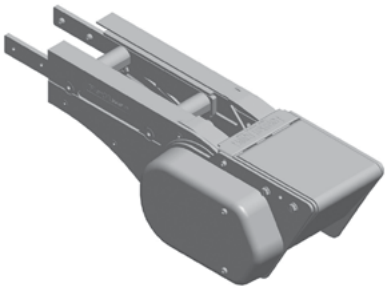


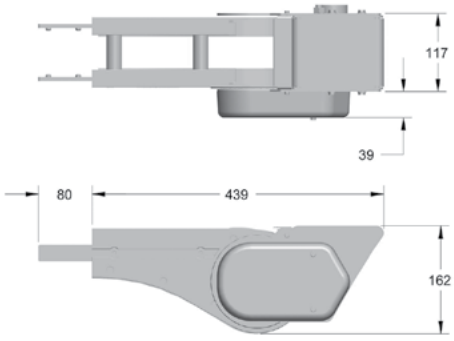


UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

FC Idler End with Power Transfer **(LEFT)**

FCIE-A105PT-L

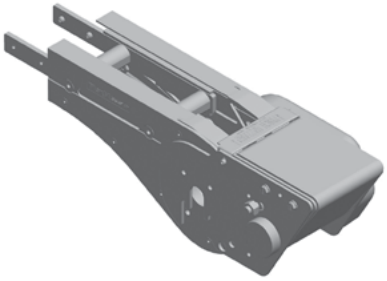




Minimum product length for inline transfer = 76 mm
Provides extended transfer nose for interfacing with large rollers.

FC Idler End with Power Transfer **(RIGHT)**

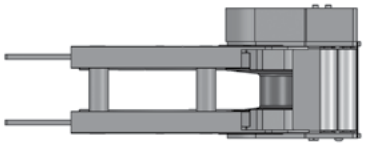
FCIE-A105PT-R

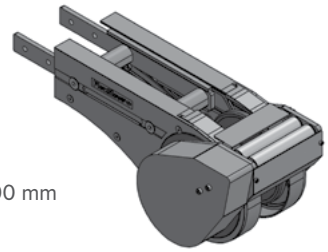


UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

FC Idler End Driven Transfer Bridge **(LEFT)**

FCIE-A105DB-A-L



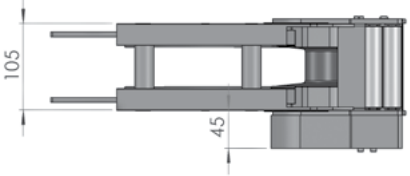


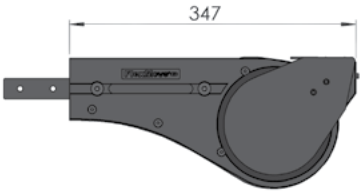
Minimum product length for inline transfer = 100 mm
Transfer extends past conveyor only 27 mm

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

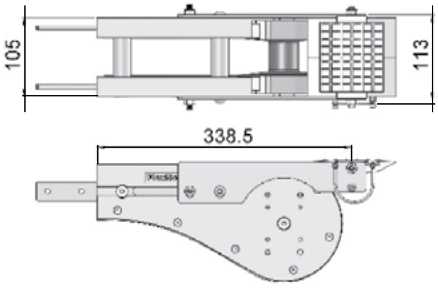
FC Direct Drive Driven Transfer Bridge **(RIGHT)**

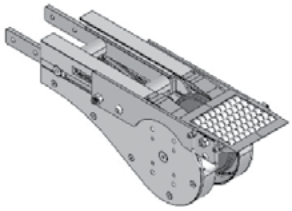
FCIE-A105DB-A-R





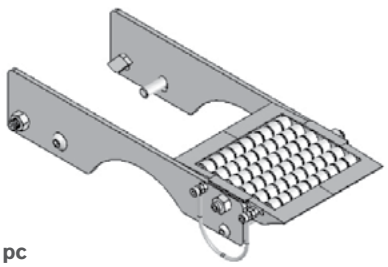
FC Idler Free Roller Transfer Bridge





FCTB-A105

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

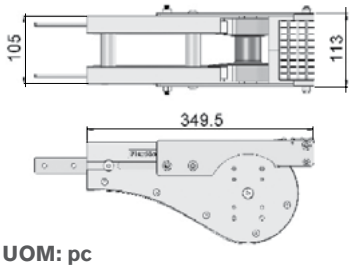


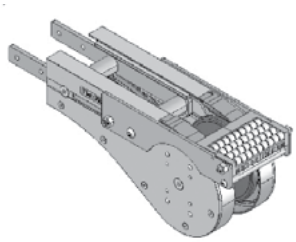
UOM: pc

FC Idler End Free Roller Bridge

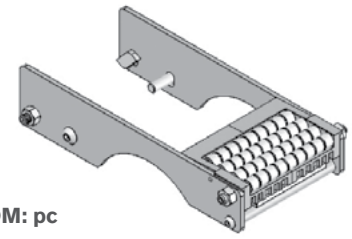
FCEB-A105

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





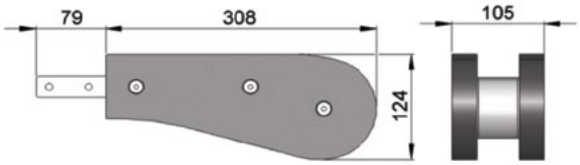
UOM: pc



UOM: pc

FC Idler End-308

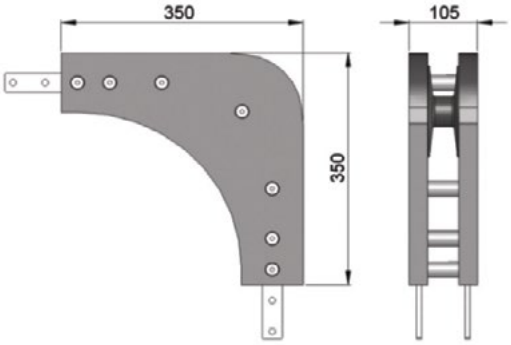
FCIE-308B



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

FC Idler Bend

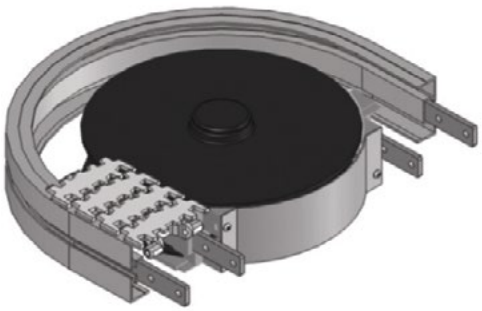
FCIB-350

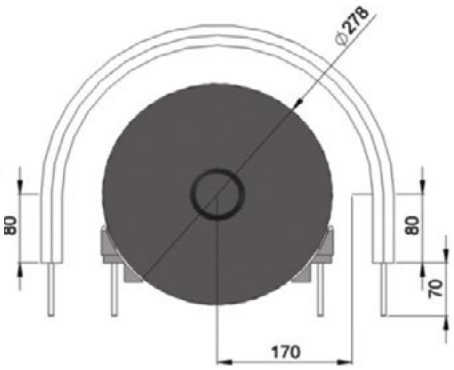


UOM: pc
Chain required 1-way: 0.6 meter
Slide rail: 0 meter
Note: Cannot be used with return chain

FC Wheel Bend 180°

FCWB-180R170A

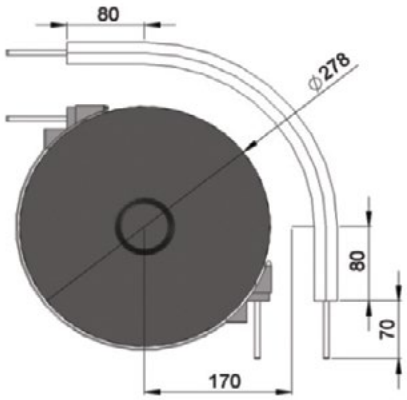




UOM: pc
Chain required 2-way: 1.4 meter
Slide rail required 2-way: 1.4 meter

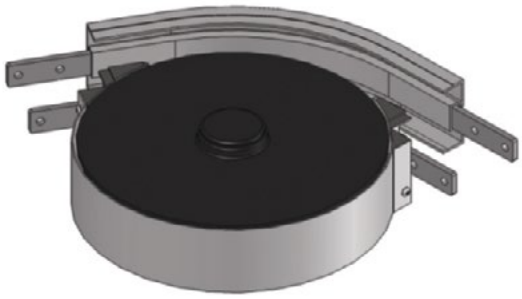
SEW gearmotors are products of SEW Eurodrive

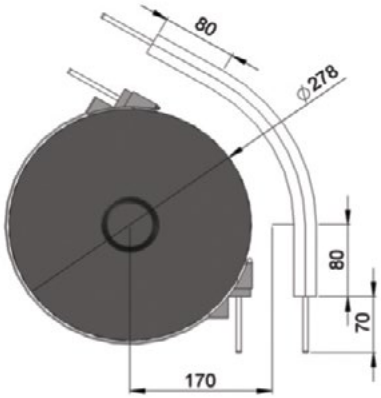
FC Wheel Bend 90° — FCWB-90R170A



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

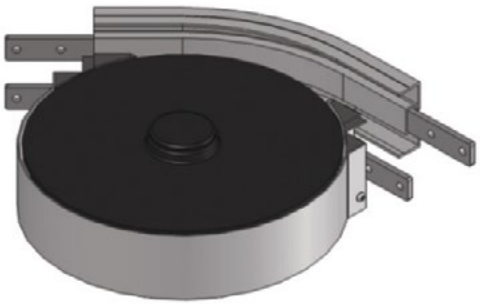
FC Wheel Bend 60° — FCWB-60R170A

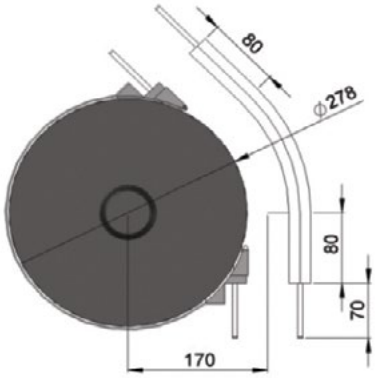




UOM: pc
Chain required 2-way: 0.7 meter
Slide rail required 2-way: 0.7 meter

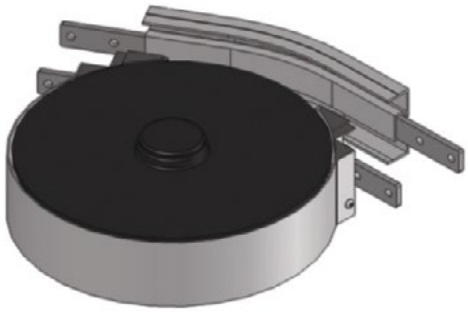
FC Wheel Bend 45° — FCWB-45R170A

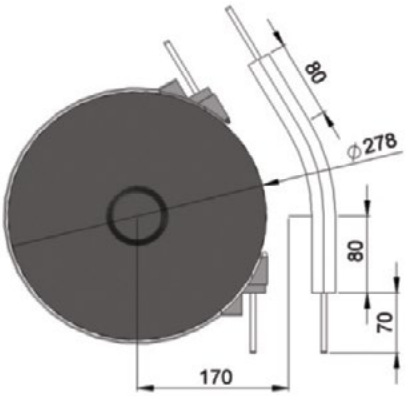




UOM: pc
Chain required 2-way: 0.6 meter
Slide rail required 2-way: 0.6 meter

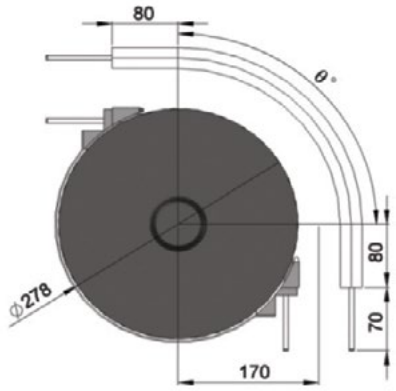
FC Wheel Bend 30° — FCWB-30R170A





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

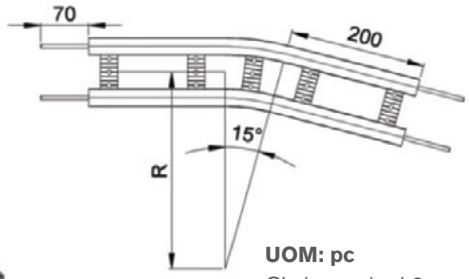
- Wheel bend, Ø° ± 1°
- FCWB-Ø°R170A

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 Ø° must be indicated when ordering.

FC Horizontal Plain Bend 15°

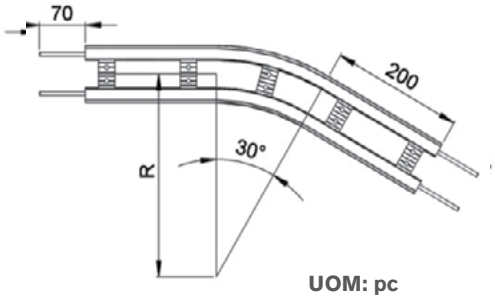


Horizontal plain bend, 15° ± 1°

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

FC Horizontal Plain Bend 30°

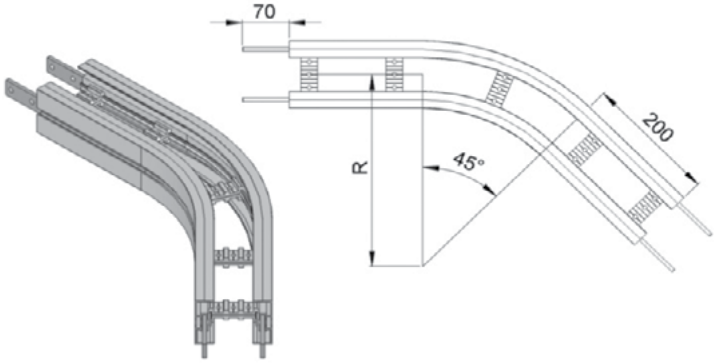


Horizontal plain bend, 30° ± 1°

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

FC Horizontal Plain Bend 45°



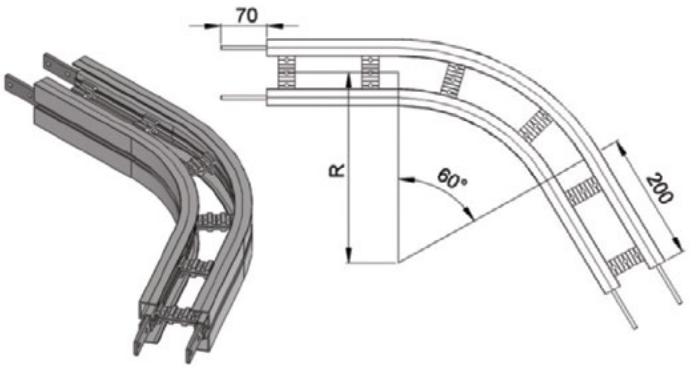
Horizontal plain bend, 45° ± 1°

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

SEW gearmotors are products of SEW Eurodrive

FC Horizontal Plain Bend 60°



Horizontal plain bend, 60° ± 1°

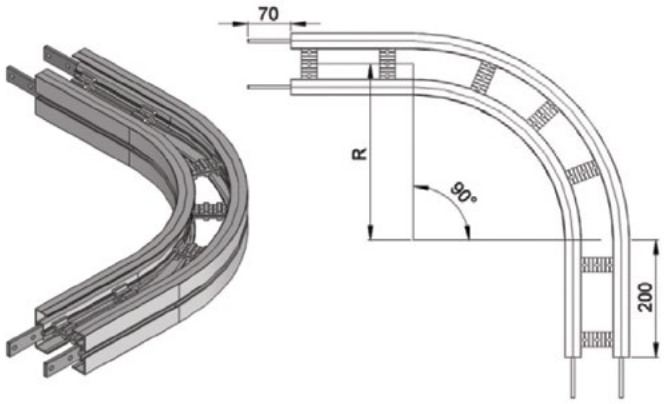
R = 300 ± 10 mm	**FCHB-60R300**
R = 500 ± 10 mm	**FCHB-60R500**
R = 700 ± 10 mm	**FCHB-60R700**
R = 1000 ± 10 mm	**FCHB-60R1000**

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

SEW gearmotors are products of SEW Eurodrive

FC Horizontal Plain Bend 90°



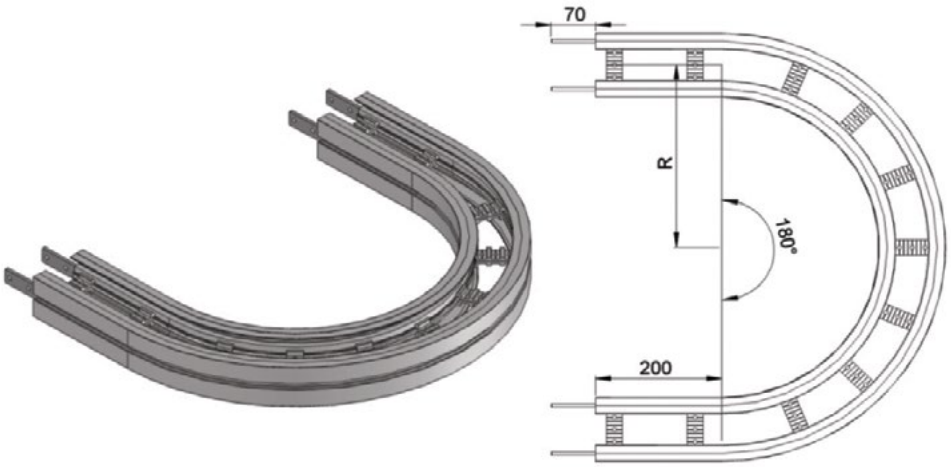
Horizontal plain bend, 90° ± 1°

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°



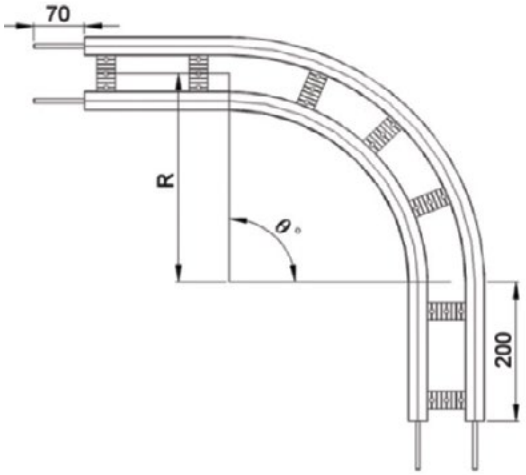
Horizontal plain bend, 180° ± 1°

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, Ø° ± 1°

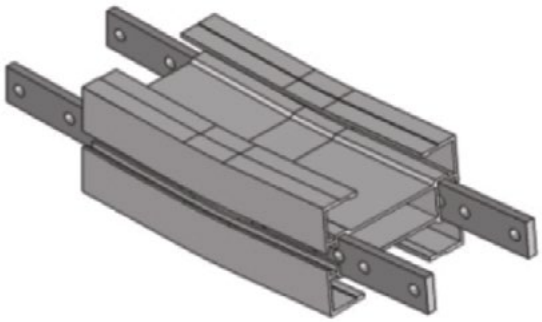
R = 300 ± 10 mm	**FCHB- Ø°R300**
R = 500 ± 10 mm	**FCHB- Ø°R500**
R = 700 ± 10 mm	**FCHB- Ø°R700**
R = 1000 ± 10 mm	**FCHB- Ø°R1000**

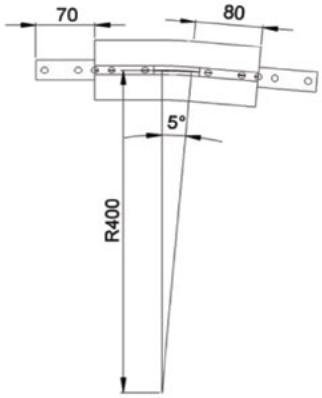
If an angle of 120° is needed for radius R500 horizontal plain bend, the ordering part number is

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)

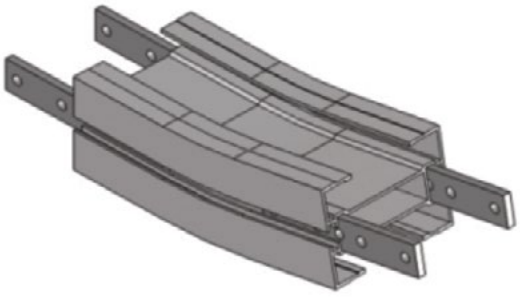
FC Vertical Bend 5° FCVB-5R400

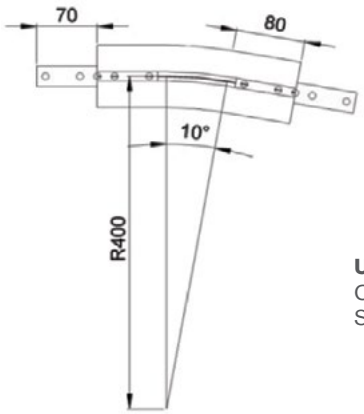




UOM: pc
Chain required 2-way: 0.4 meter
Slide rail required 2-way: 0.8 meter

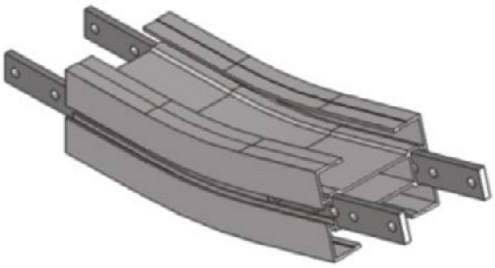
FC Vertical Bend 10° FCVB-10R400

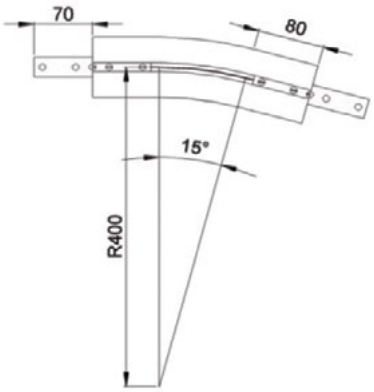




UOM: pc
Chain required 2-way: 0.5 meter
Slide rail required 2-way: 0.9 meter

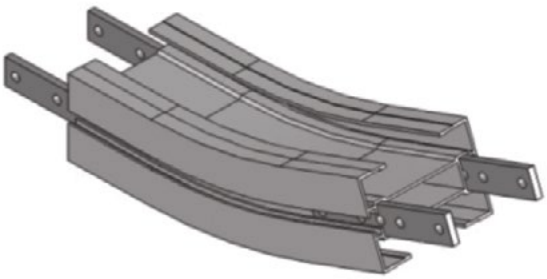
FC Vertical Bend 15° — FCVB-15R400

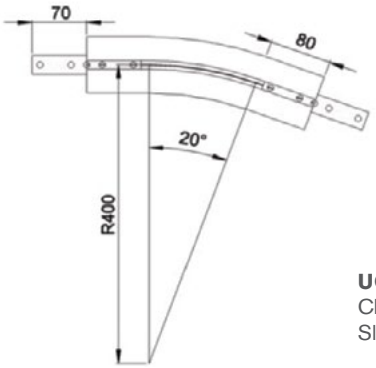




UOM: pc
Chain required 2-way: 0.5 meter
Slide rail required 2-way: 1.1 meter

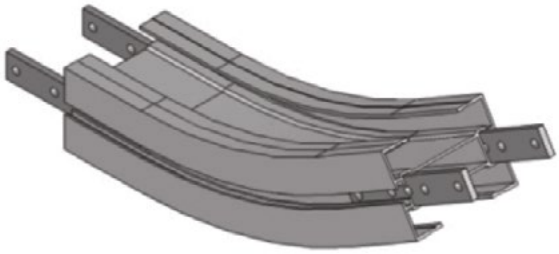
FC Vertical Bend 20° — FCVB-20R400

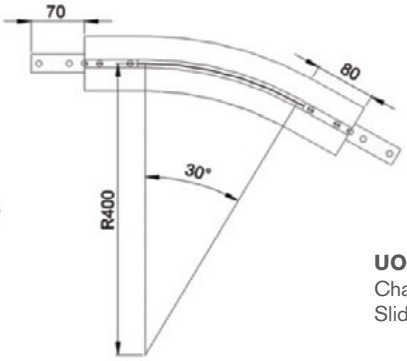




UOM: pc
Chain required 2-way: 0.6 meter
Slide rail required 2-way: 1.2 meter

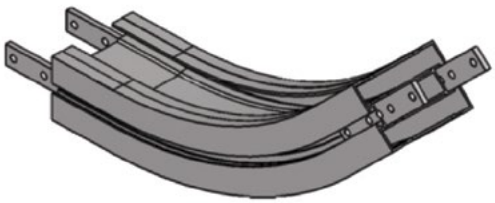
FC Vertical Bend 30° — FCVB-30R400

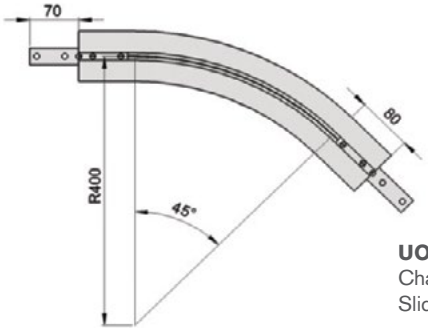




UOM: pc
Chain required 2-way: 0.7 meter
Slide rail required 2-way: 1.5 meter

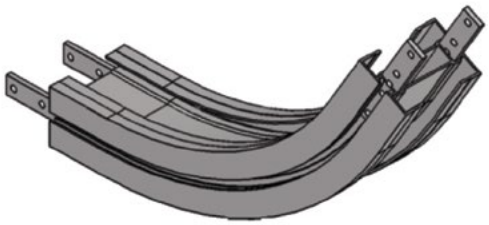
FC Vertical Bend 45° — FCVB-45R400

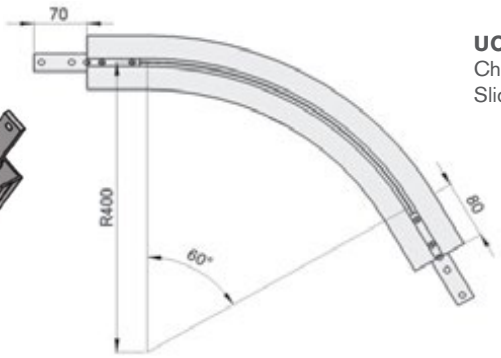




UOM: pc
Chain required 2-way: 0.9 meter
Slide rail required 2-way: 1.9 meter

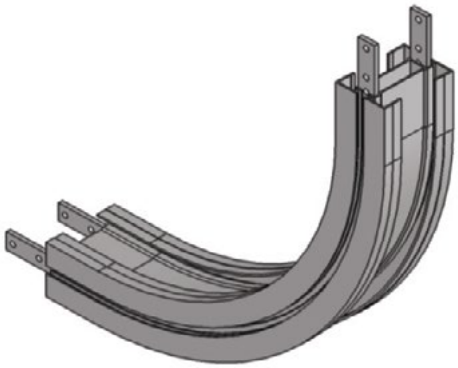
FC Vertical Bend 60° FCVB-60R400

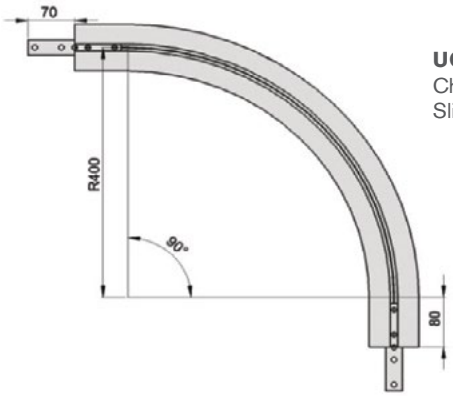




UOM: pc
Chain required 2-way: 1.2 meter
Slide rail required 2-way: 2.3 meter

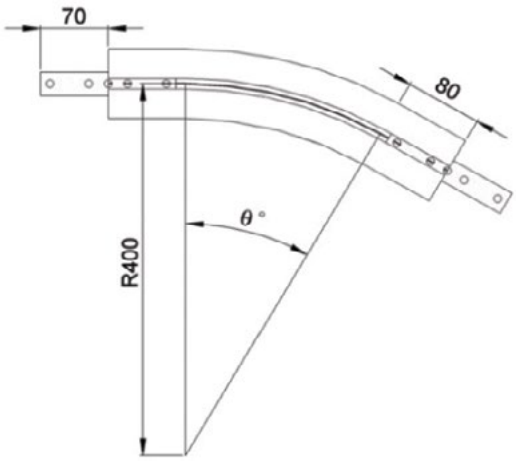
FC Vertical Bend 90° FCVB-90R400





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, Ø° ± 1°
- FCVB-Ø°R400

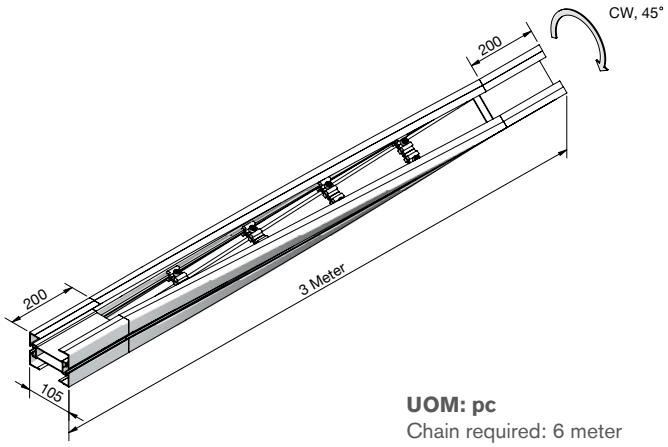
If an angle of 65° is needed for vertical bend, the ordering part number is

FCVB-65R400

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

FC 45 Degree Twist Conveyor Beam **(Clockwise)**

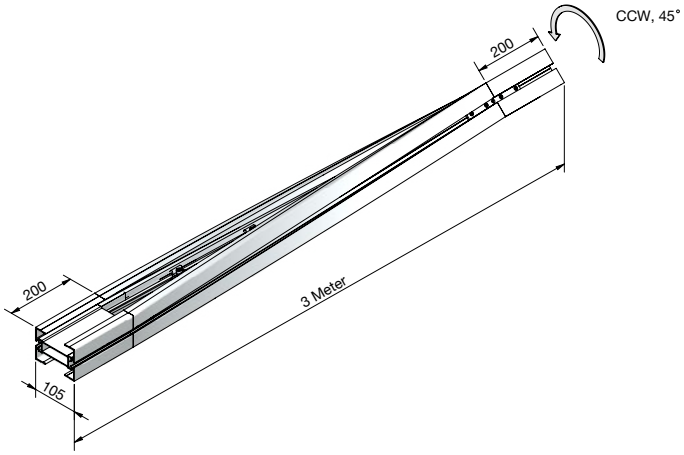
FCTB-CW45x3000



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

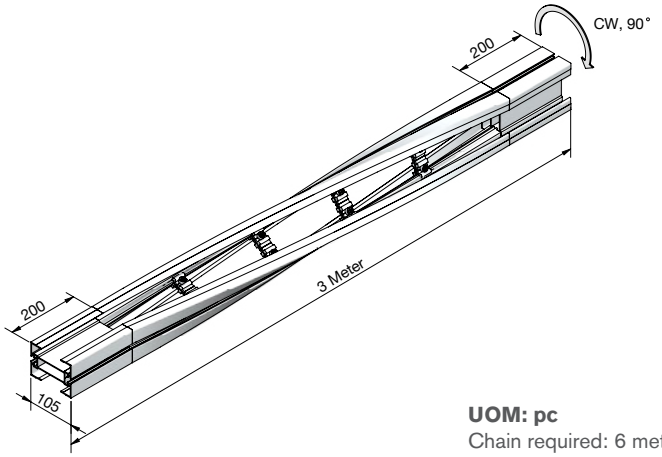
FC 45 Degree Twist Conveyor Beam **(Counter-Clockwise)**

FCTB-CCW45x3000



FC 90 Degree Twist Conveyor Beam **(Clockwise)**

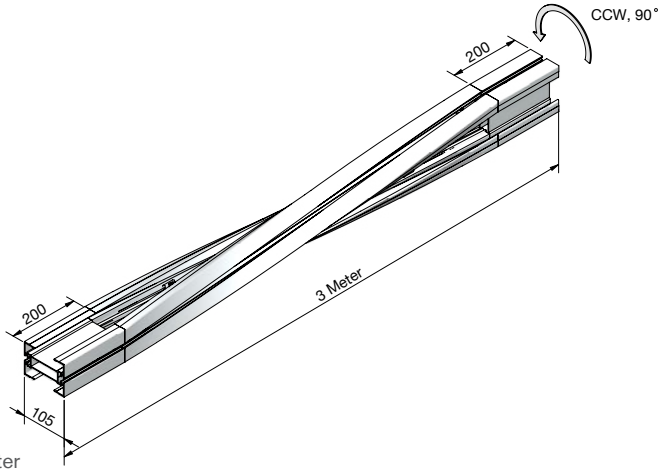
FCTB-CW90x3000



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

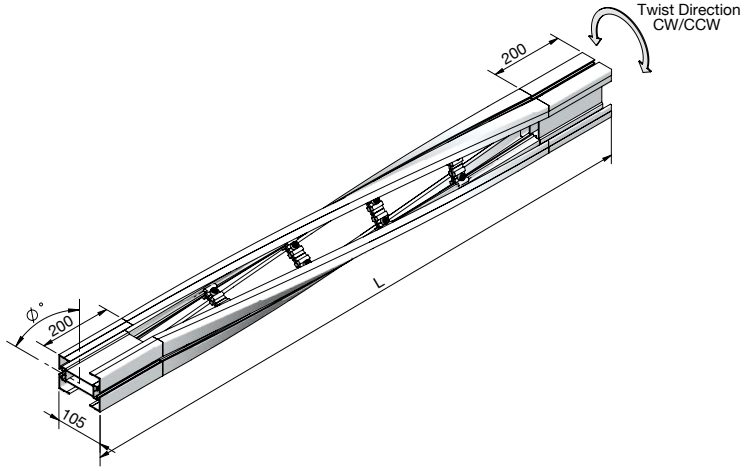
FC 90 Degree Twist Conveyor Beam **(Counter-Clockwise)**

FCTB-CCW90x3000



FC Twist Conveyor Beam 15° - 90°

FCTB-AAABBx3000 **Where AAA = CW or CCW, BB = Angle**



Example for FC Twist Conveyor Beam Ordering

- Twist Conveyor Beam, Ø° ± 5°

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

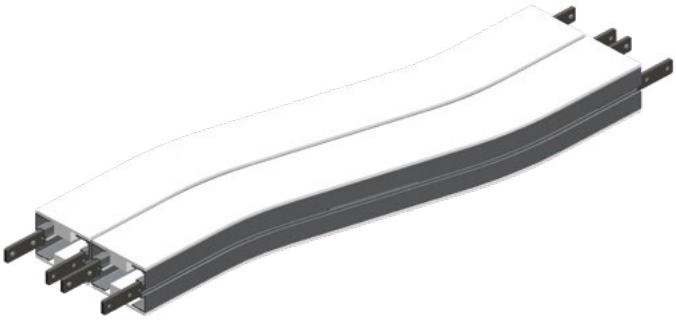
FCTB-CW30x3000

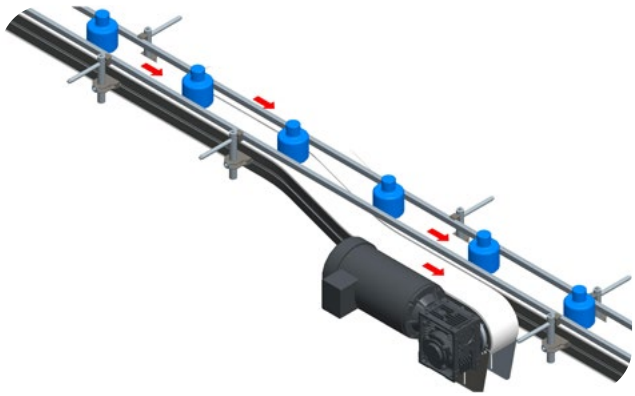
Angle of Ø°, twist direction, and length L, must be indicated when ordering.

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

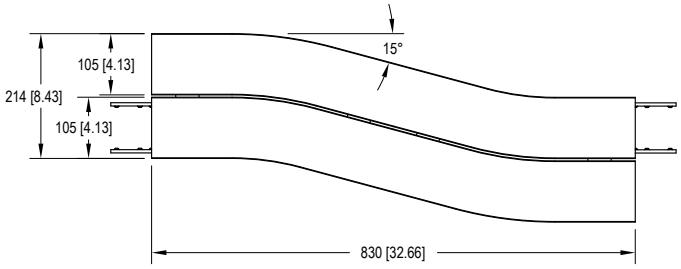
FC S In-Line Transfer Module

FCST-105



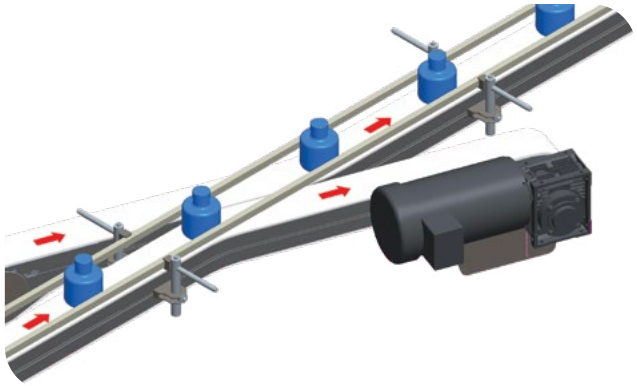


- S In-Line Modules provide a standard, compact way to side transfer product from conveyor to conveyor.
- Straight guiding is placed across the transfer module for smooth In-Line product flow
- Conveyors are mounted together to provide a smooth transfer even for small products
- S In-Line transfers are compact in the width dimension

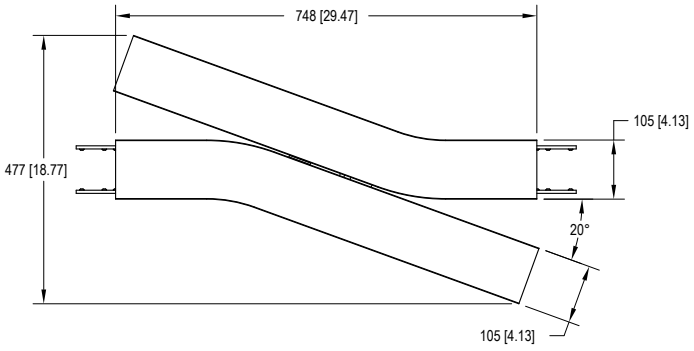


FC X In-Line Transfer Module

FCXT-105



- X In-Line Modules provide a standard, compact way to side transfer product from conveyor to conveyor.
- Straight guiding is placed across the transfer module for smooth In-Line product flow
- Conveyors are mounted together to provide a smooth transfer even for small products
- X In-Line transfers are compact in the length direction



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

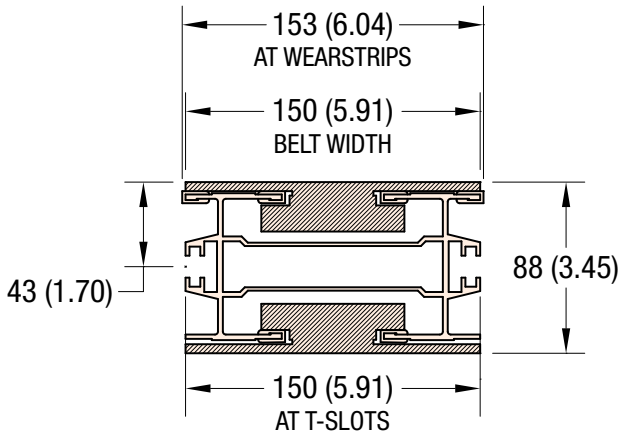
Slide Rail Color: White or Natural Color

Slide Rail Material: HDPE OR UHMW

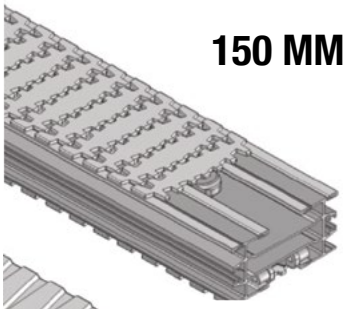
Slide Rail Rivet & Screw: FASLR-4X6 or FASLS-M5

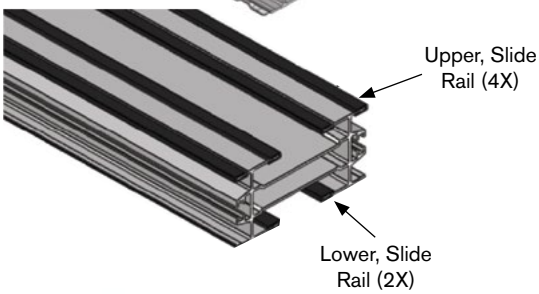
Connecting strip is used to connect two beams.

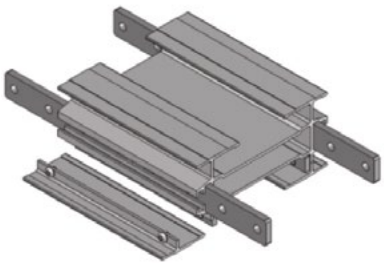
Connecting Strip: FACS-25x140A



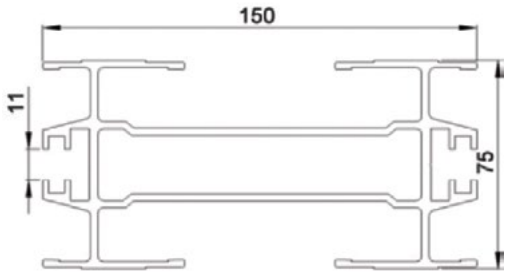
150 MM WIDTH





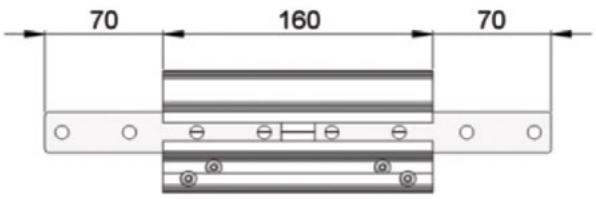


Conveyor Beam **FLCB-3**



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:

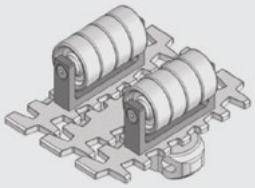
Chain: White Acetal / POM

Pivot: Polyamide

Pivot Pin: Stainless Steel

Insert (Wedge & Friction): TPE Grey

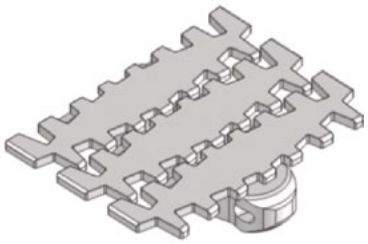
Example for FLRC-5B-L#
= 1 cleated top chain with alternate of # link of plain chain

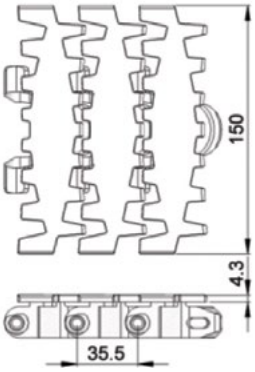


The above chain is FLRC-5B-L1, 1 link cleated top chain with alternate of 1 link of plain chain.

Note: # = 1, 2, 3, 4, 5…..20

Standard Plain Chain **FLPC-5**

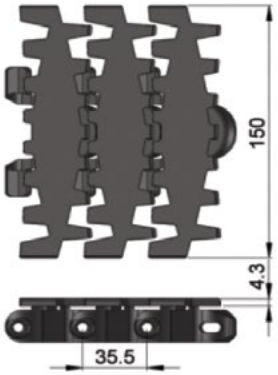




UOM: 5 Meter / box

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

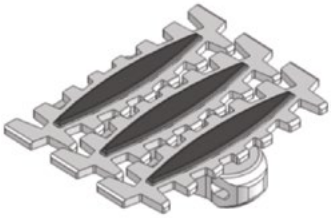
Conductive Chain **FLPC-5CD**

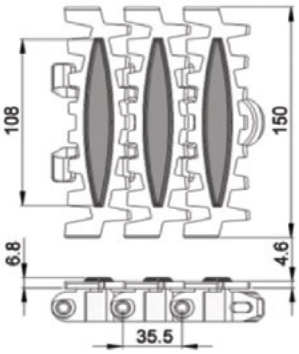


UOM: 5 Meter / box

Application: Suitable for transport of static sensitive product.

Friction Top Chain **FLFT-5**

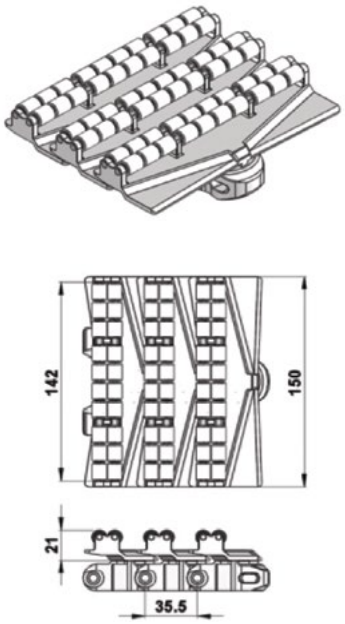




UOM: 5 Meter / box

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

Roller Top Chain **FLRT-5V**

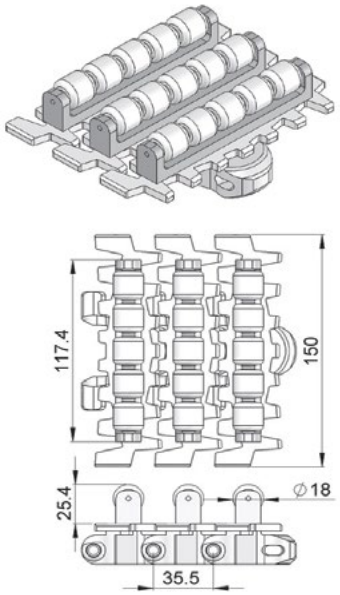


UOM: 5 Meter / box

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

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

 # = 1, 2, 3, 4, 5…..20

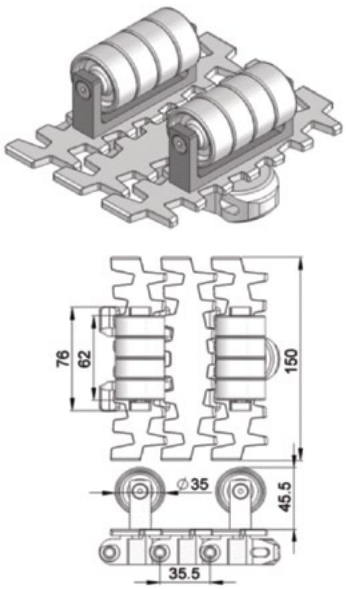


UOM: 5 Meter / box

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

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

 # = 1, 2, 3, 4, 5…..20

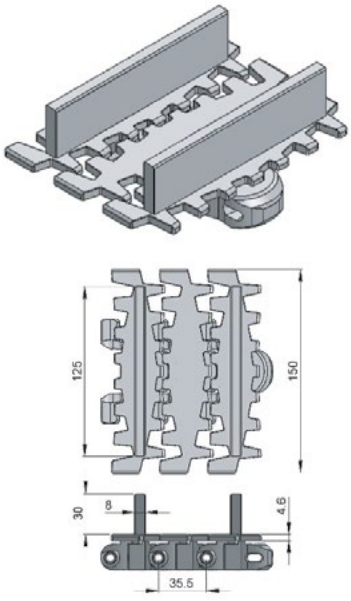


UOM: 5 Meter / box

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

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

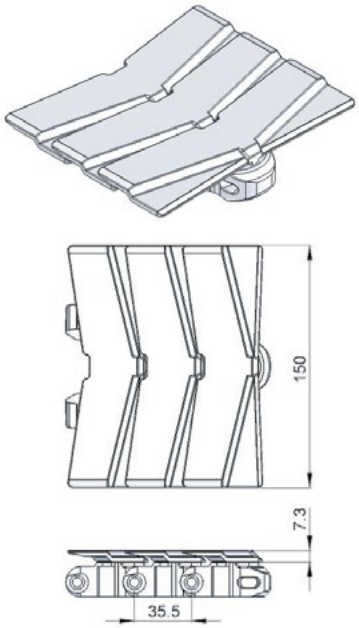
 # = 1, 2, 3, 4, 5…..20



UOM: 5 Meter / box

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

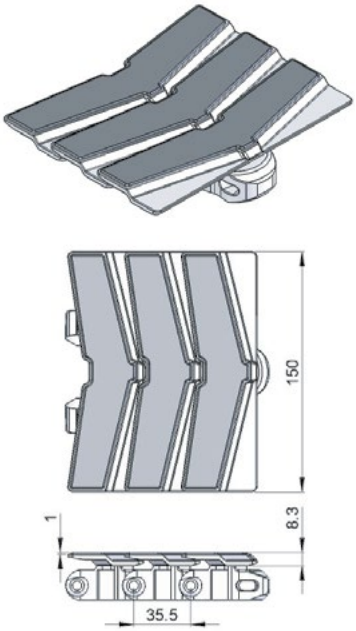
Safety Chain-V **FLPC-5V**



UOM: 5 Meter / box

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

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



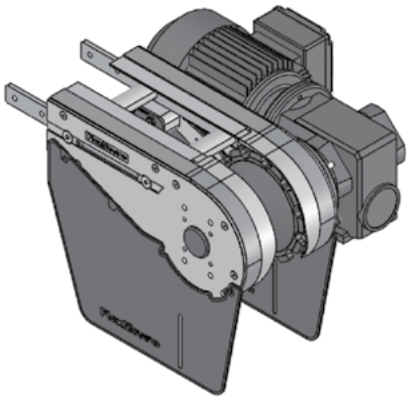
UOM: 5 Meter / box

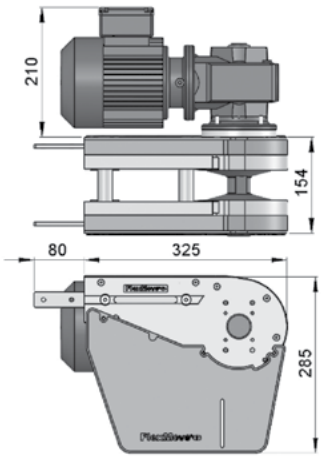
Application: (Safety Chain) Suitable for transport product in slope > 5 ° but ≤ 30 ° without accumulation.

SEW gearmotors are products of SEW Eurodrive

FL Direct End Drive without Motor (LEFT)

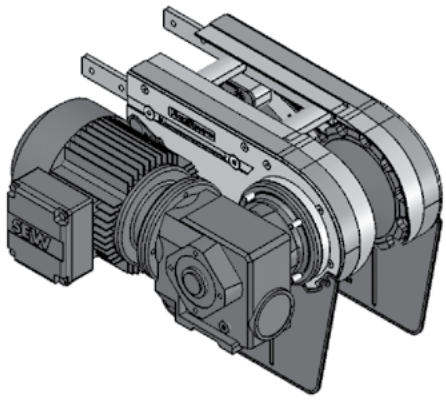
FLDD-A150-XDY (See Chart)





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*		
		A = 20 mm Aux Only	R = Right	A = 20 mm Aux Shaft

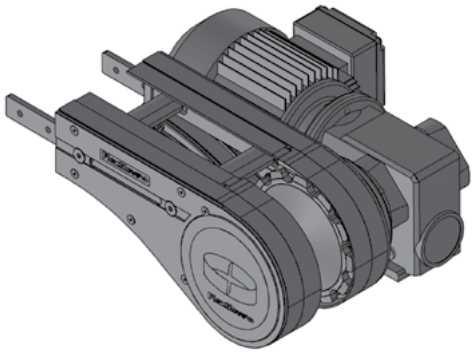
*3/4 inch shaft option available in North America only.

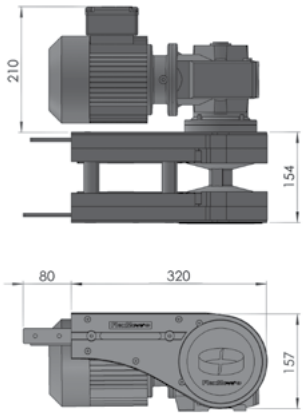
Max Traction Force: 1250N
The Direct End Drive Unit is without torque limiter.

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)

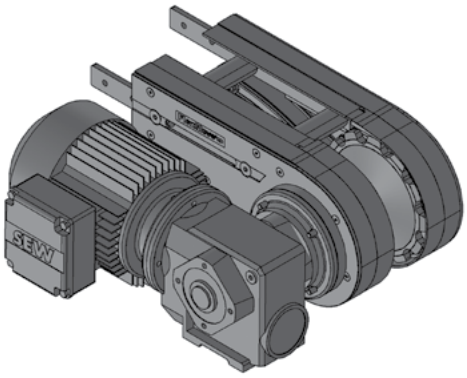
FLDD-A150GP-XDY (See Chart)





FL Direct End Drive unit without Motor GP (RIGHT)

FLDD-A150GP-XDY (See Chart)



Requires the use of connecting or weighted take-up module for chain maintenance.

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*		
		A = 20 mm Aux Only	R = Right	A = 20 mm Aux Shaft

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

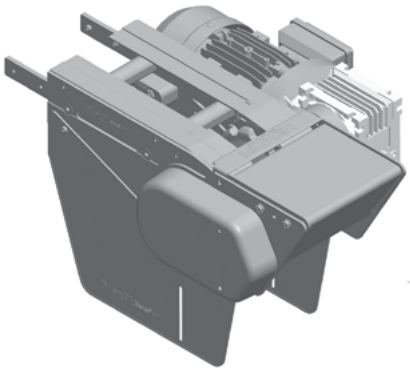
Max Traction Force: 1250N
The Direct End Drive Unit GP is without torque limiter.

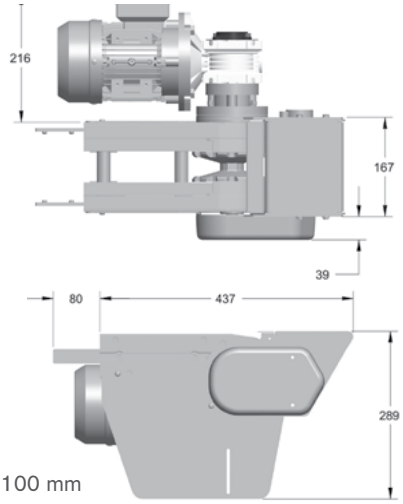
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

SEW gearmotors are products of SEW Eurodrive

FL Direct with Power Transfer Motor (LEFT)

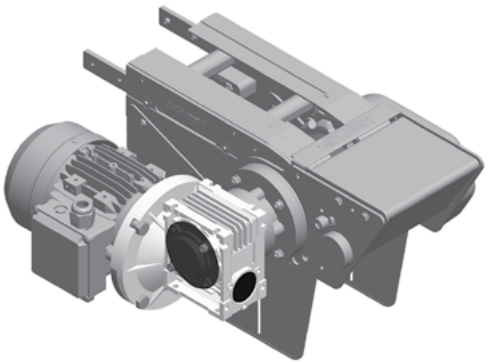
FLDD - A150PT-XD (See Chart)





FL Direct with Power Transfer Motor (RIGHT)

FLDD - A150PT-XD (See Chart)



Minimum product length for inline transfer = 100 mm
Maximum speed is 30 m/min (100 ft/min)
Only one power transfer needed on either infeed or discharge trail required for end to end transer. 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

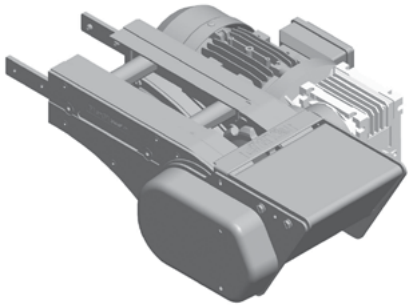
*3/4 inch shaft option available in North America only.

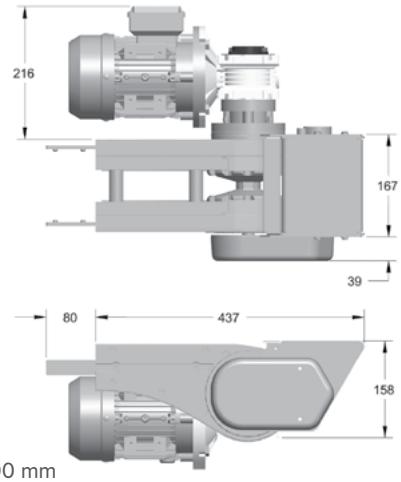
Max Traction Force: 1250N
The Direct End Drive Unit is without torque limiter.

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)

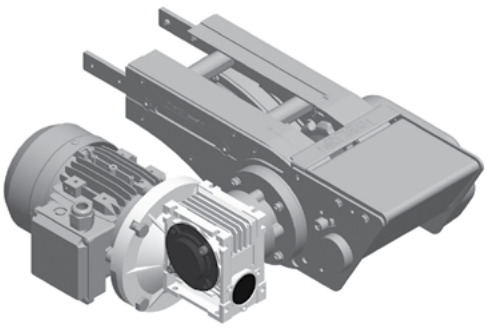
FLDD–A150GPPT-XD (See Chart)





FL GP Direct with Power Transfer Motor (RIGHT)

FLDD–A150GPPT-XD (See Chart)



Minimum product length for inline transfer = 100 mm
Maximum speed is 30 m/min (100 ft/min)
Only one power transfer needed on either infeed or discharge trail required for end to end transer. Provides extended transfer nose for interfacing with large rollers.
Requires the use of connecting or weighted take-up 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.

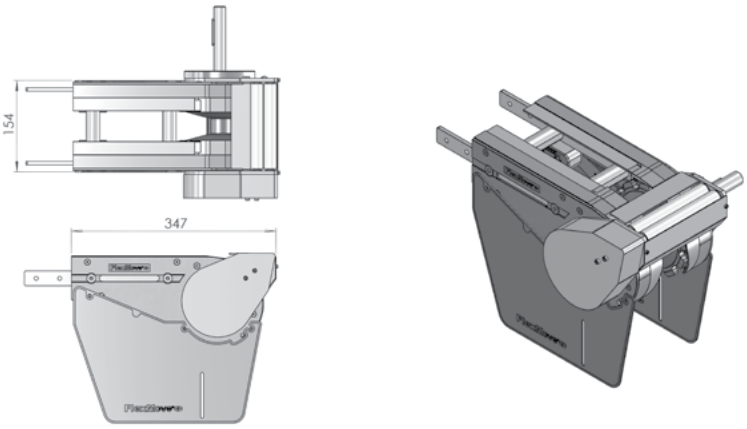
Max Traction Force: 1250N
The Direct End Drive Unit GP is without torque limiter.

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

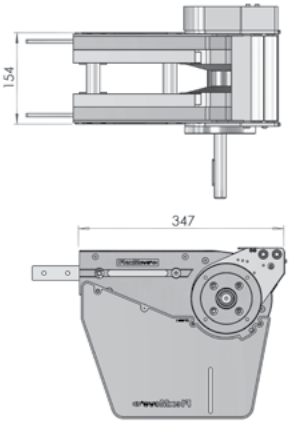


UOM: pc

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)**

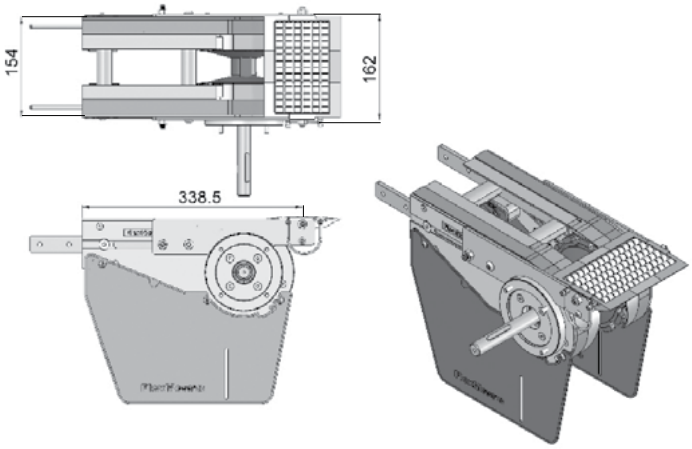
FLDD-A150DB-A-0R



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

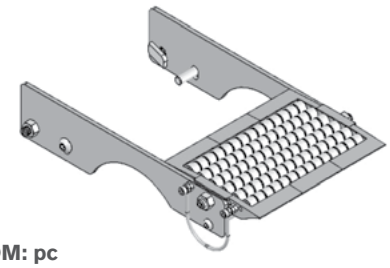
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

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



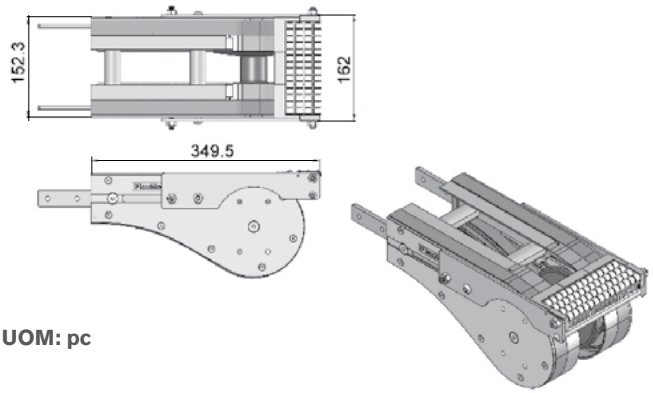
FLTB-A150

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

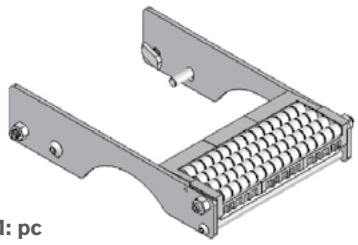
FL Idler End Free Roller Bridge



UOM: pc

FLEB-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

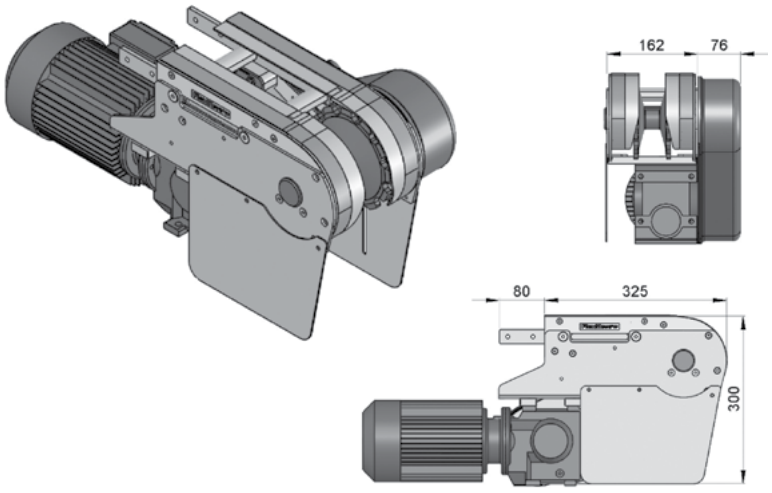


UOM: pc

SEW gearmotors are products of SEW Eurodrive

FL Suspended End Drive without Motor (LEFT)

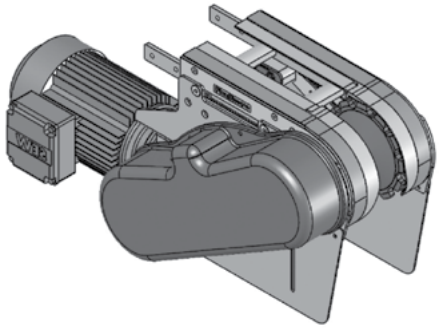
FLSD-A150-0L (with Torque Limiter)
FLSD-A150SPT-0L (without Torque Limiter)



- 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)

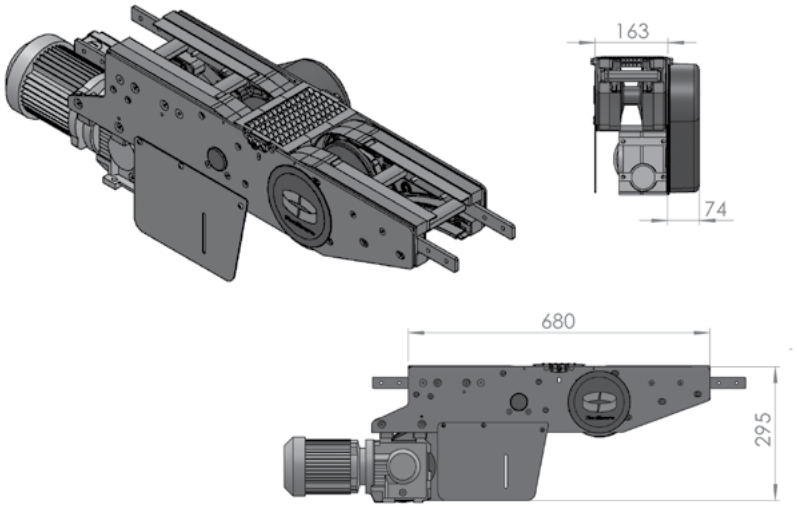


Max Traction Force:
1250N (without limiter)
800N (with limiter)

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

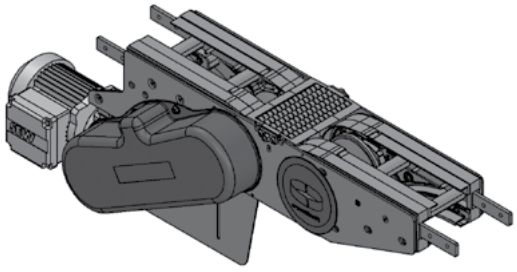
FL Combined Suspended Drive & Idler (LEFT)

FLCDI-SD-A150-0L



FL Combined Suspended Drive & Idler (RIGHT)

FLCDI-SD-A150-0R

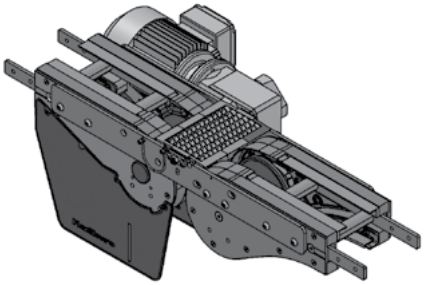


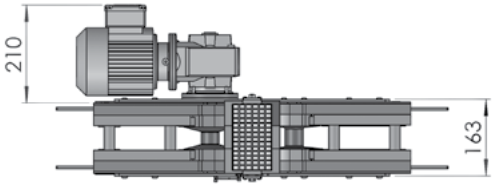
Max Traction Force: 800N
The Combine Suspended End Drive Unit is with torque limiter.

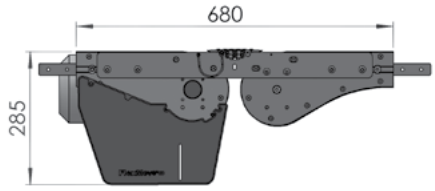
UOM: pc
Chain required 2-way: 1.6 meter
Slide rail required 2-way: 1.0 meter

FL Combined Direct Drive & Idler **(LEFT)**

FLCDI-DD-A150-0L

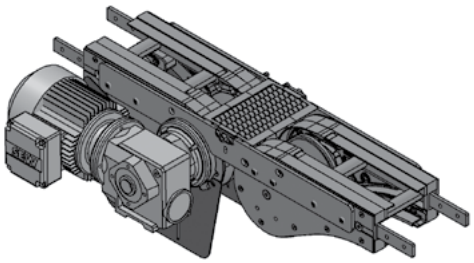






FL Combined Direct Drive & Idler **(RIGHT)**

FLCDI-DD-A150-0R



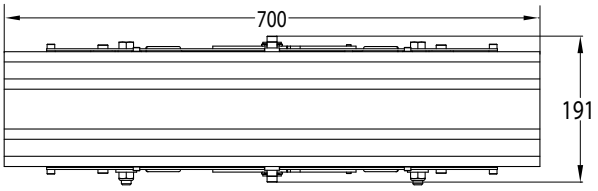
Max Traction Force: 1250N
The Combine Direct End Drive Unit is without torque limiter.

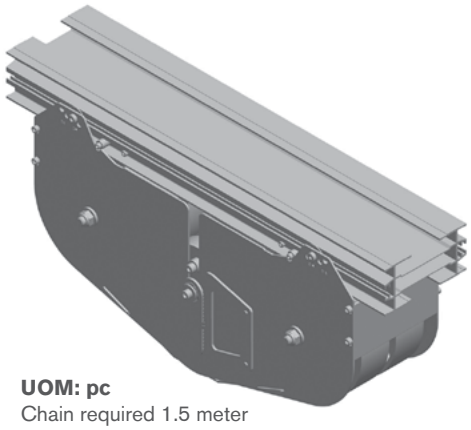
UOM: pc
Chain required 2-way: 1.6 meter
Slide rail required 2-way: 1.0 meter

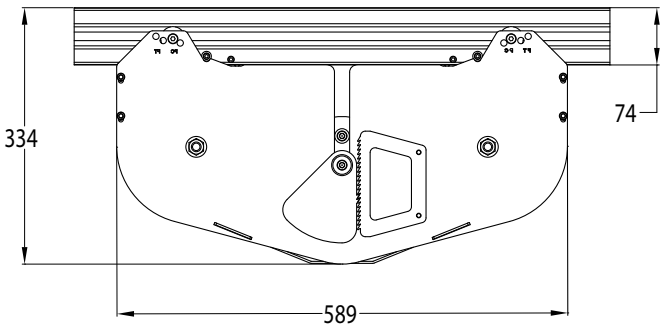
FL Weighted Take-up Module

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





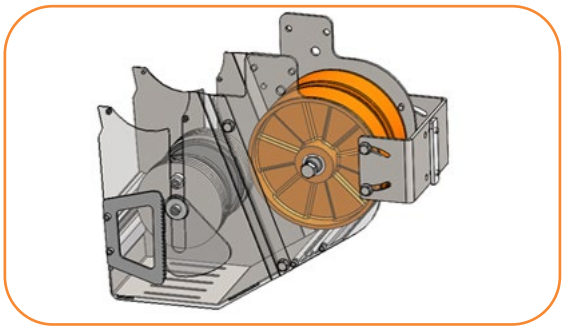


UOM: pc
Chain required 1.5 meter
Slide rail required 3.5 meter

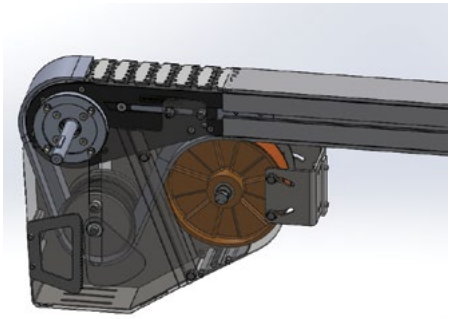
SEW gearmotors are products of SEW Eurodrive

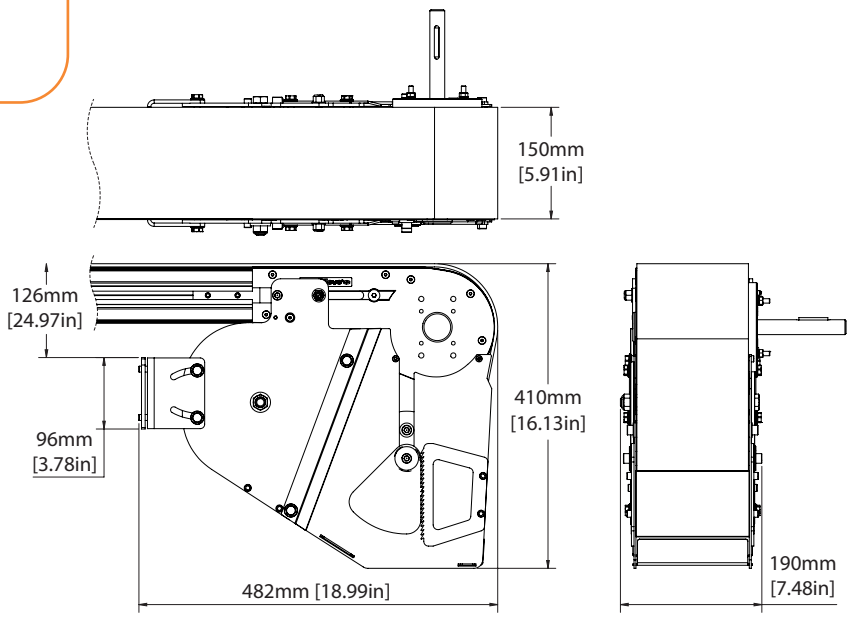
FL Weighted Take-up Tail Module

FL-WTU-150



- Provides controlled chain take-up for improved conveyor performance
- Compact design fits in similar space as standard direct drive modules
- Smooths conveyor chain movement by helping to eliminate micro-surging
- Suggested for conveyors over 12.2 M (40 ft) in length
- Capable of inclined and declined arrangement up to 30 degrees
- Improves operator safety by enclosing chain catenar
- Attaches to direct end drive tail
- Compatable with power transfer and driven bridge

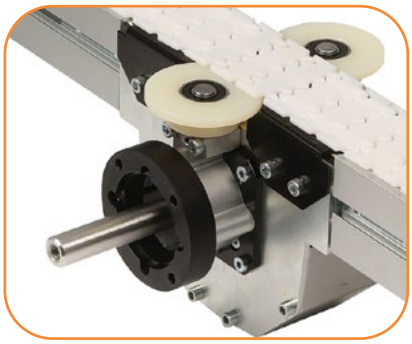




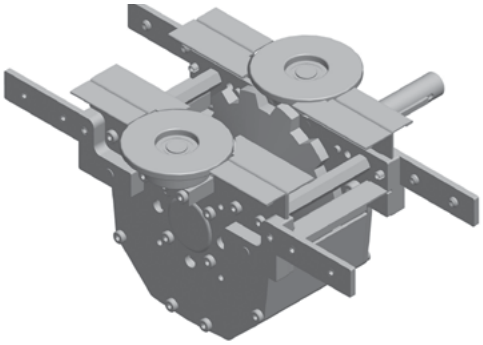
UOM: pc
Chain required 1.5 meter
Slide rail required 2.1 meter

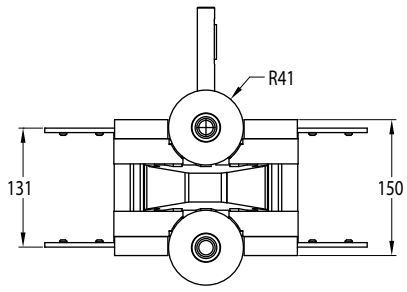
FL Top Running Drive Module

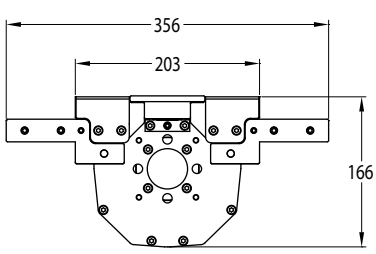
FLTRD-203



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



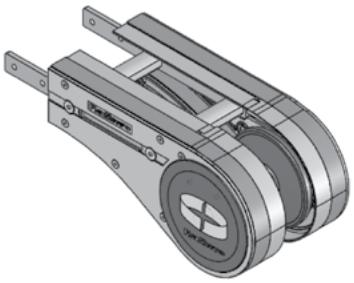


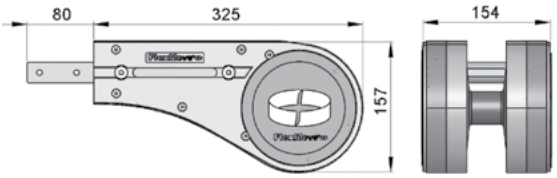


UOM: pc
Chain required 0.2 meter

FL Idler End-150

FLIE-A150

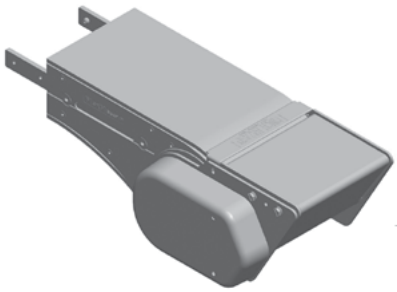


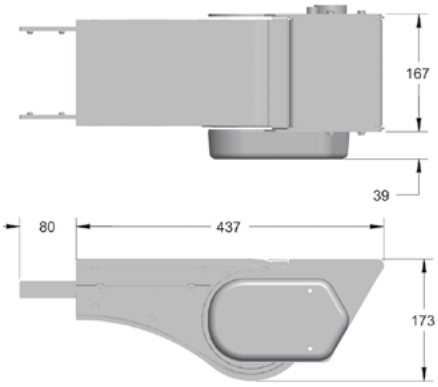


UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

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

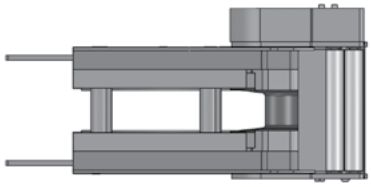
FL Idler End with Power Transfer **(RIGHT)**

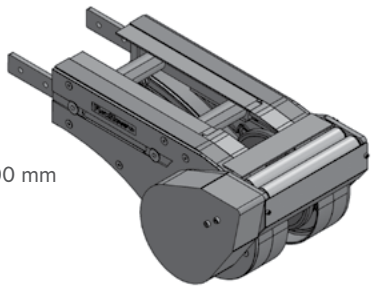
FLIE-A150PT-R

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-A-L



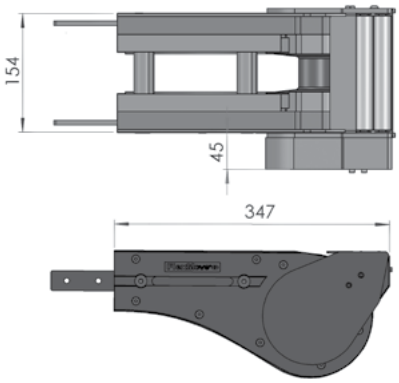


Minimum product length for inline transfer = 100 mm
Transfer extends past conveyor only 27 mm

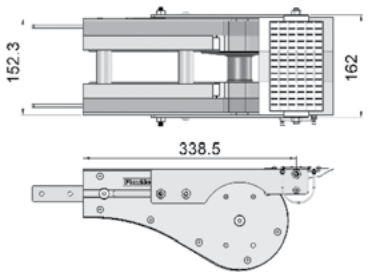
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

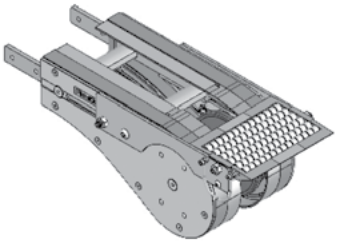
FL Direct Drive Driven Transfer Bridge **(RIGHT)**

FLIE-A150DB-A-R



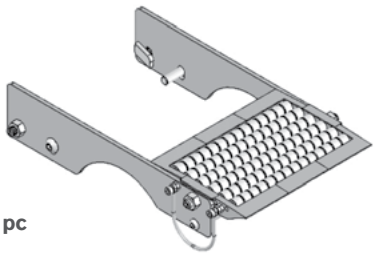
FL Idler End Free Transfer Bridge





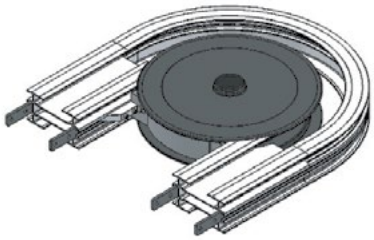
FLTB-A150

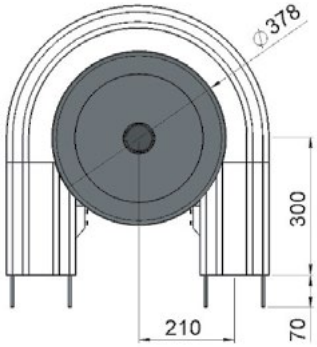
Transfer bridge c/w roller for FLIE-A150, FLDD-A150-XDY and FLDD-A150GP-XDY



UOM: pc

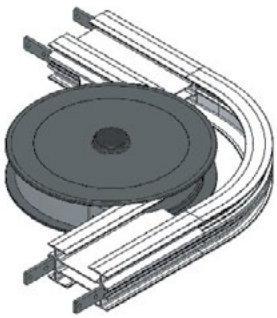
FL Wheel Bend 180° — FLWB-180R210A

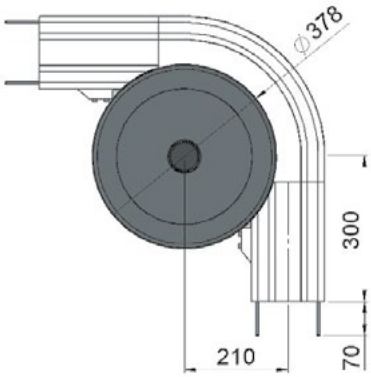




UOM: pc
Chain required 2-way: 2.5 meter
Slide rail required 2-way: 2.8 meter

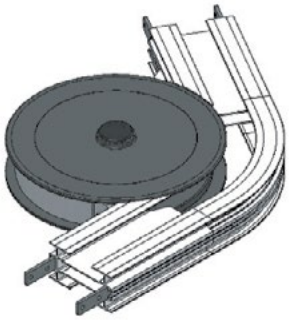
FL Wheel Bend 90° — FLWB-90R210A

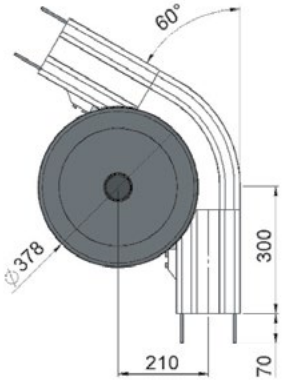




UOM: pc
Chain required 2-way: 1.9 meter
Slide rail required 2-way: 2.2 meter

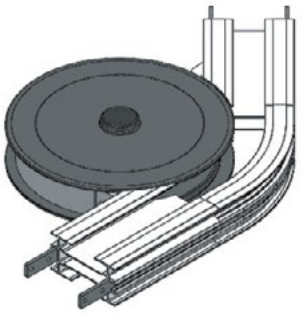
FL Wheel Bend 60° — FLWB-60R210A

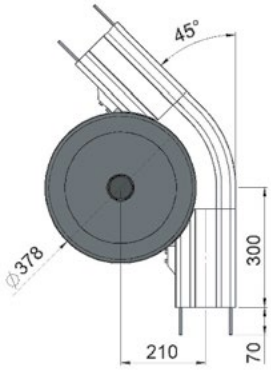




UOM: pc
Chain required 2-way: 1.6 meter
Slide rail required 2-way: 2.0 meter

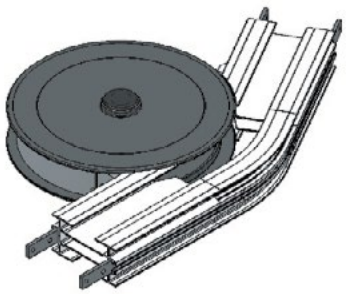
FL Wheel Bend 45° — FLWB-45R210A

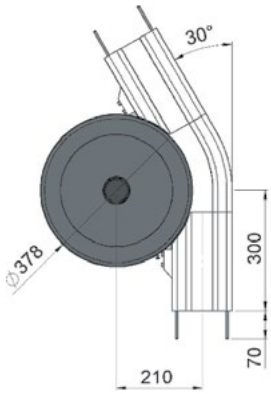




UOM: pc
Chain required 2-way: 1.5 meter
Slide rail required 2-way: 1.8 meter

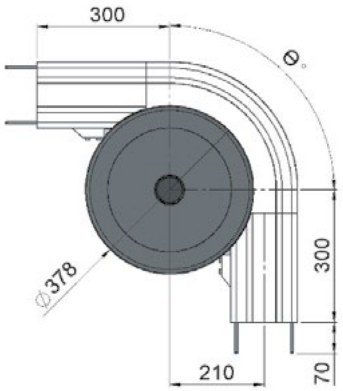
FL Wheel Bend 30° — FLWB-30R210A





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

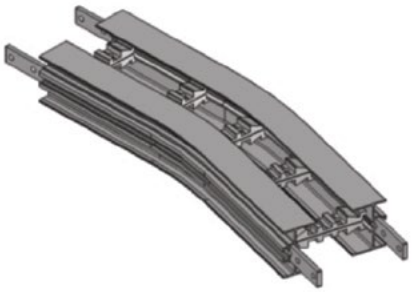
- Wheel bend, Ø° ± 1°
- FLWB-Ø°R210A

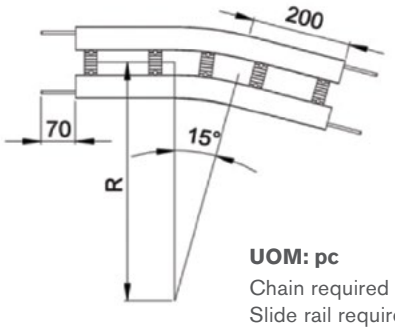
If an angle of 65° is needed for wheel bend, the ordering part number is

FLWB-65R210A

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

FL Horizontal Plain Bend 15°





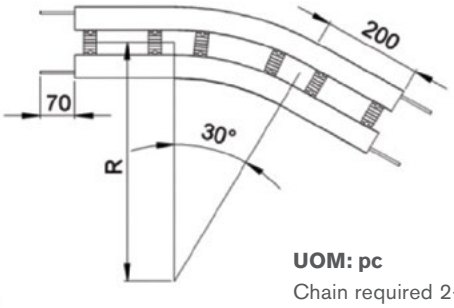
Horizontal plain bend, 15° ± 1°

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°



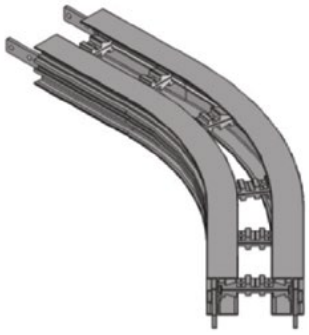
Horizontal plain bend, 30° ± 1°

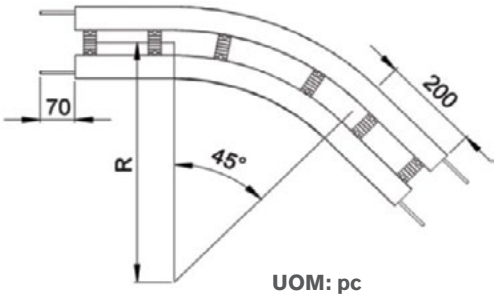
R = 500 ± 10 mm	**FLHB-30R500**
R = 700 ± 10 mm	**FLHB-30R700**
R = 1000 ± 10 mm	**FLHB-30R1000**

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°





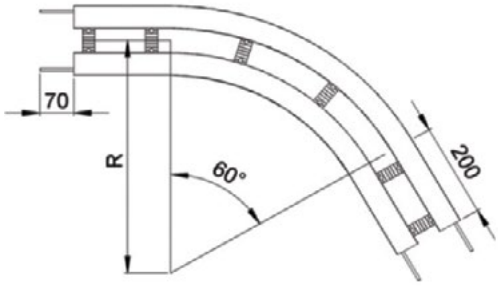
Horizontal plain bend, 45° ± 1°

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°



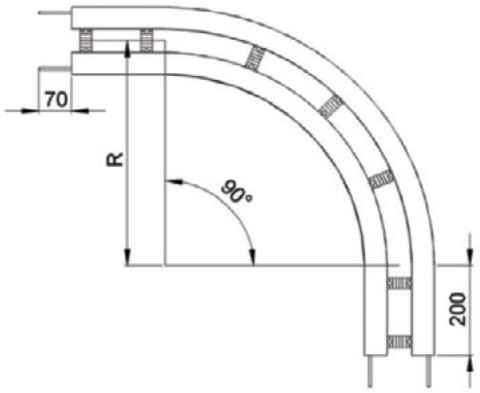
Horizontal plain bend, 60° ± 1°

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°

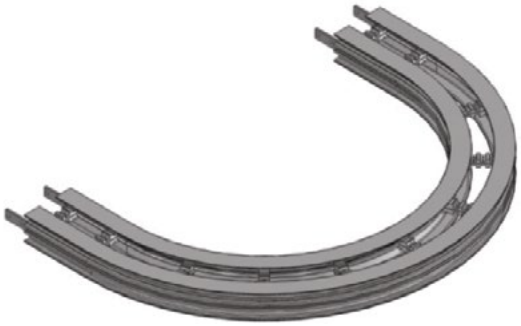


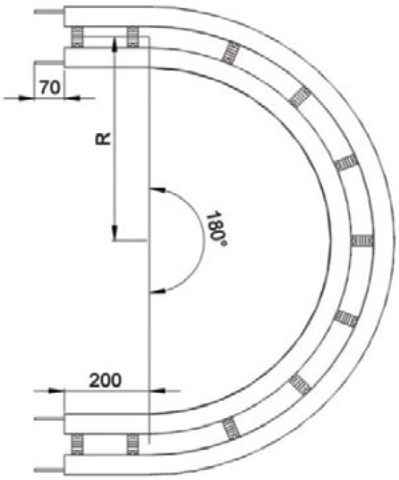
Horizontal plain bend, 90° ± 1°

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°



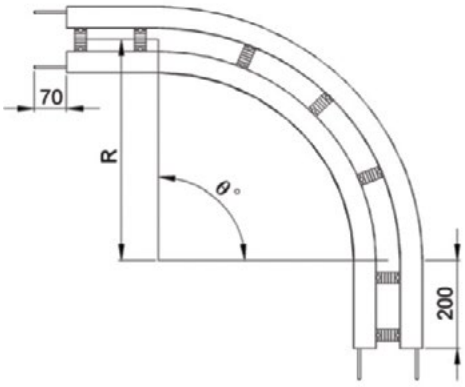


Horizontal plain bend, 180° ± 1°

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, Ø° ± 1°

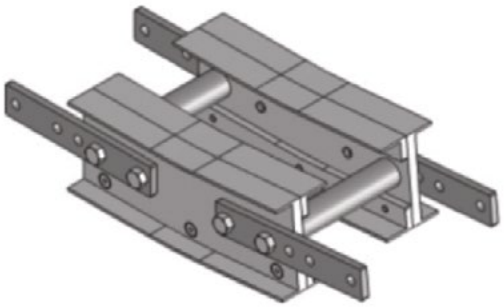
R = 500 ± 10 mm	**FLHB- Ø°R500**
R = 700 ± 10 mm	**FLHB- Ø°R700**
R = 1000 ± 10 mm	**FLHB- Ø°R1000**

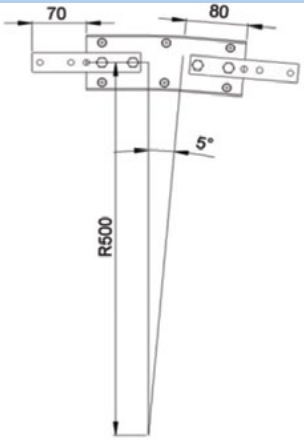
If an angle of 120° is needed for radius R500 horizontal plain bend, the ordering part number is

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)

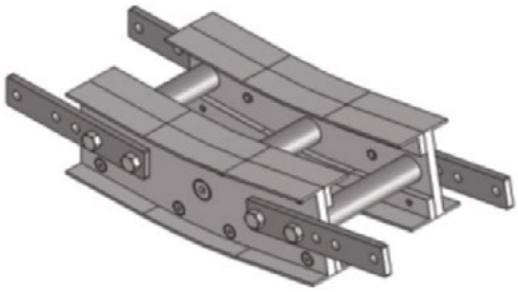
FL Vertical Bend 5° — FLVB-5R500

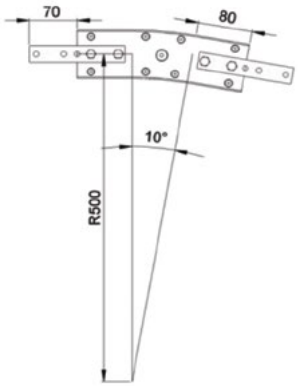




UOM: pc
Chain required 2-way: 0.4 meter
Slide rail required 2-way: 0.8 meter

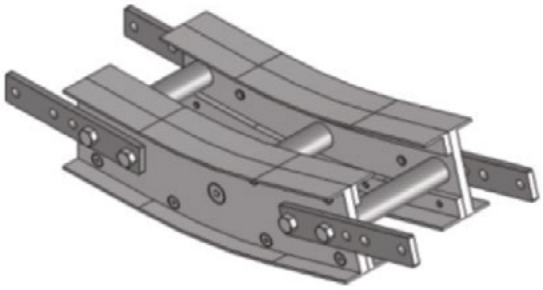
FL Vertical Bend 10° — FLVB-10R500

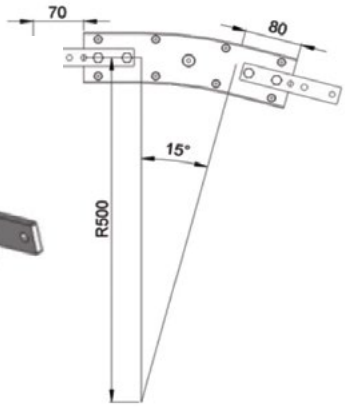




UOM: pc
Chain required 2-way: 0.5 meter
Slide rail required 2-way: 1.0 meter

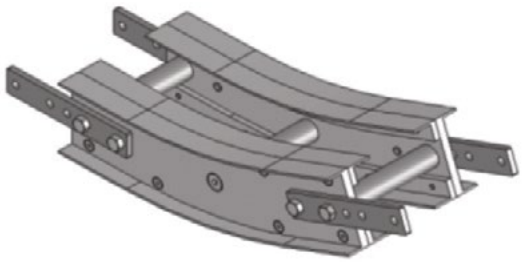
FL Vertical Bend 15° — FLVB-15R500

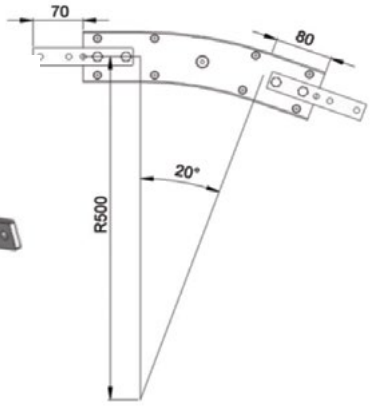




UOM: pc
Chain required 2-way: 0.6 meter
Slide rail required 2-way: 1.2 meter

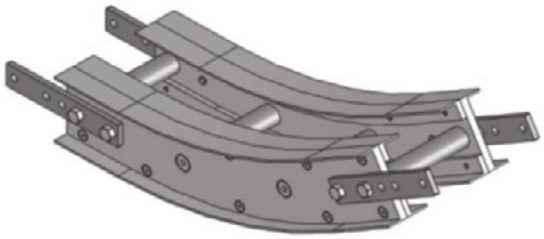
FL Vertical Bend 20° — FLVB-20R500

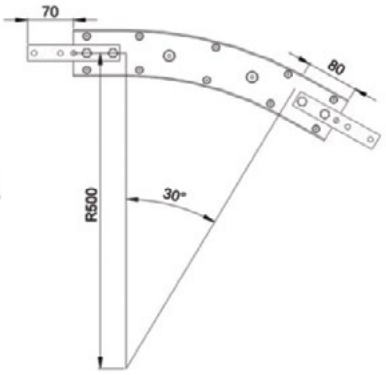




UOM: pc
Chain required 2-way: 0.7 meter
Slide rail required 2-way: 1.3 meter

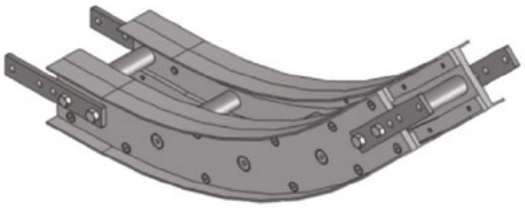
FL Vertical Bend 30° FLVB-30R500

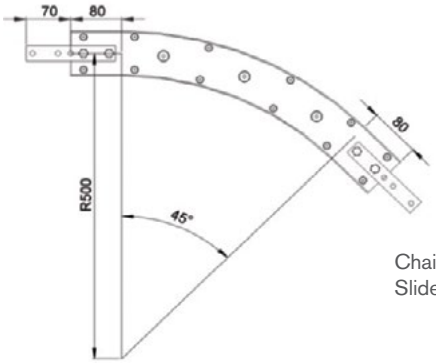




UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 1.7 meter

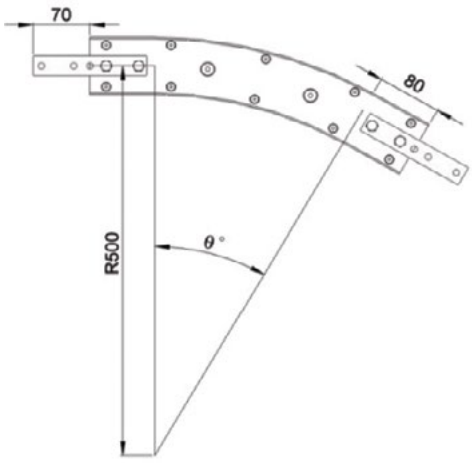
FL Vertical Bend 45° FLVB-45R500





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, Ø° ± 1°
- FLVB-Ø°R500

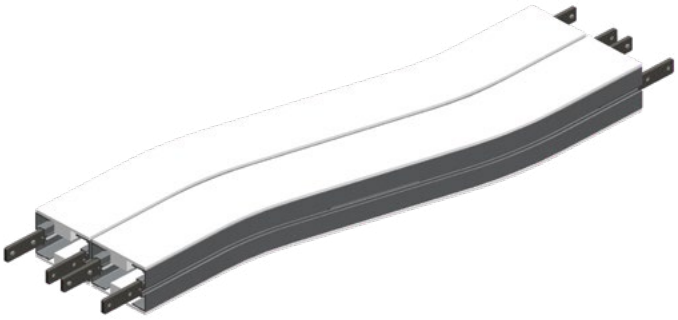
If an angle of 65° is needed for vertical bend, the ordering part number is

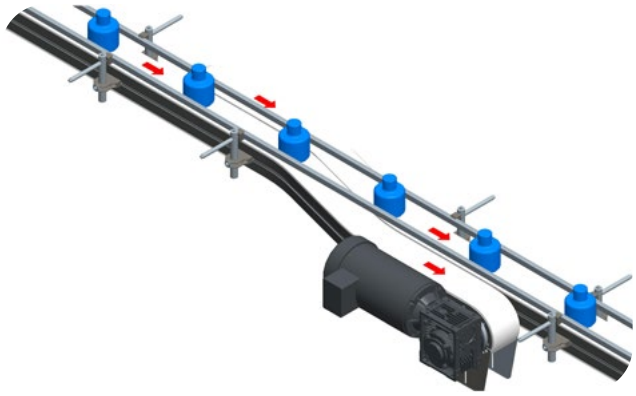
FLVB-65R500

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

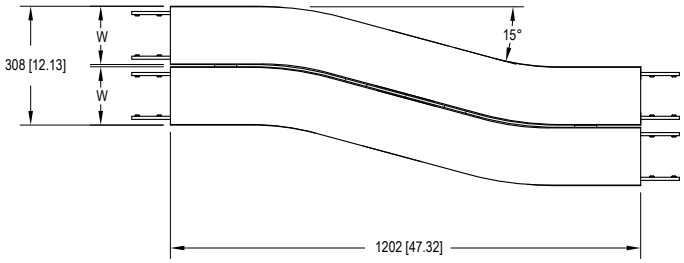
FL S In-Line Transfer Module

FLST-150



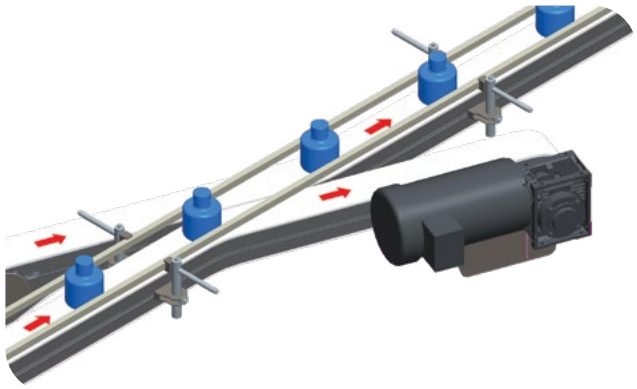


- S In-Line Modules provide a standard, compact way to side transfer product from conveyor to conveyor.
- Straight guiding is placed across the transfer module for smooth In-Line product flow
- Conveyors are mounted together to provide a smooth transfer even for small products
- S In-Line transfers are compact in the width dimension

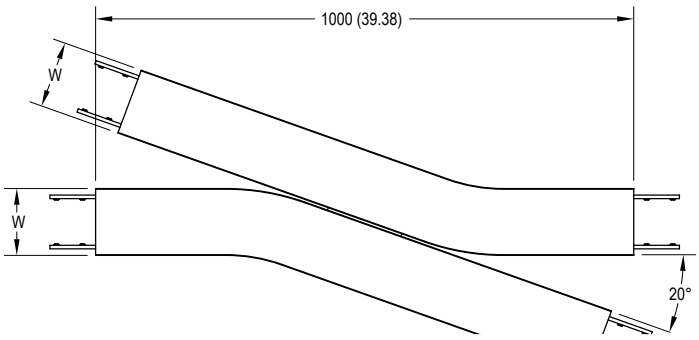


FL X In-Line Transfer Module

FLXT-150



- X In-Line Modules provide a standard, compact way to side transfer product from conveyor to conveyor.
- Straight guiding is placed across the transfer module for smooth In-Line product flow
- Conveyors are mounted together to provide a smooth transfer even for small products
- X In-Line transfers are compact in the length direction



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

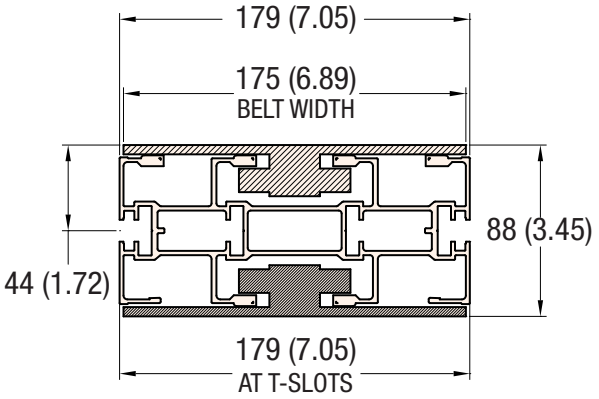
Slide Rail Color: White or Natural Color

Slide Rail Material: HDPE, UHMW OR SPECIAL PE

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

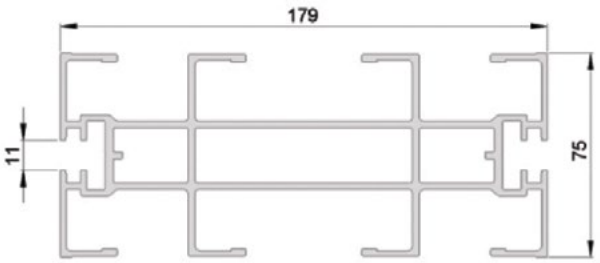
Connecting strip is used to connect two beams.

Connecting Strip: FACS-25x140A

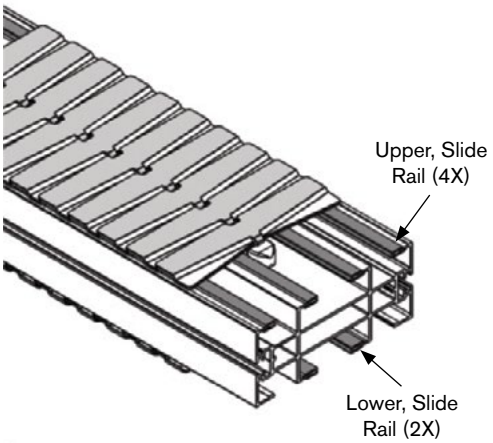


180 MM WIDTH

Conveyor Beam **FUCB-3**

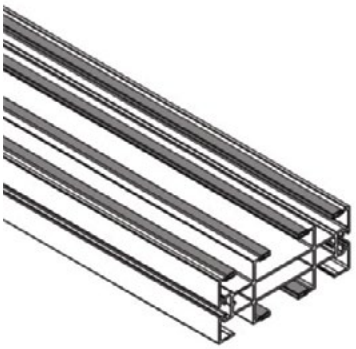


UOM: 3 Meter / Length



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:

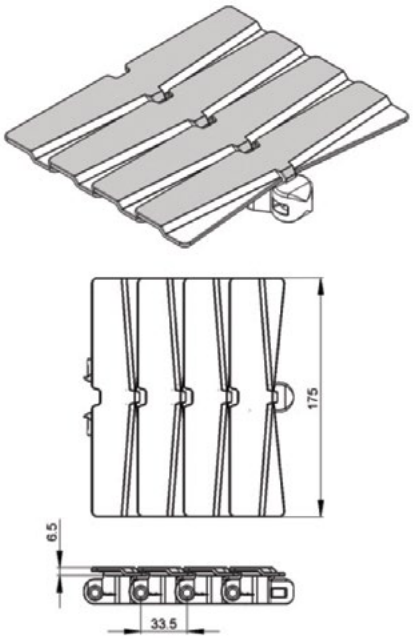
Chain: White Acetal / POM

Pivot: Polyamide

Pivot Pin: Stainless Steel

Insert (Wedge & Friction): TPE Grey

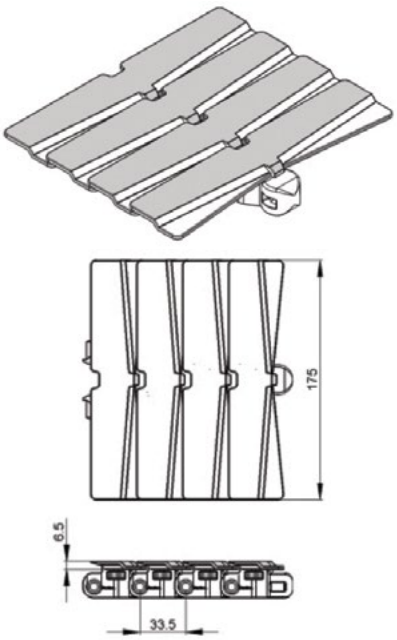
Plain Chain **FUPC-5**



UOM: 5 Meter / box

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

Roller Plain Chain **FUPC-5R**

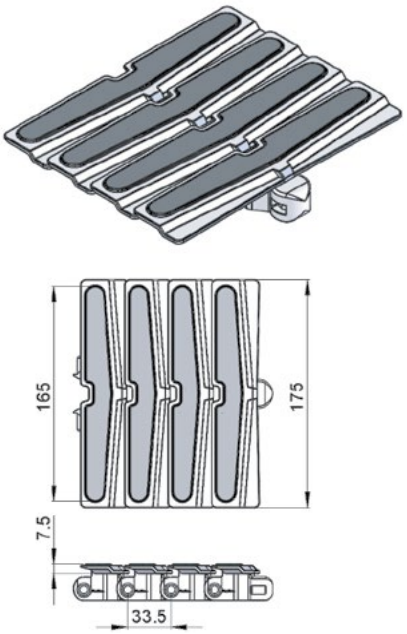


UOM: 5 Meter / box

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

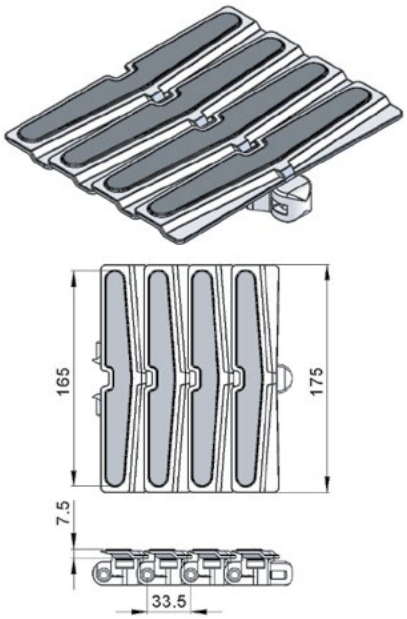
Friction Top Chain **FUFT-B-5**



UOM: 5 Meter / box

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

Roller Friction Top Chain **FUFT-B-5R**

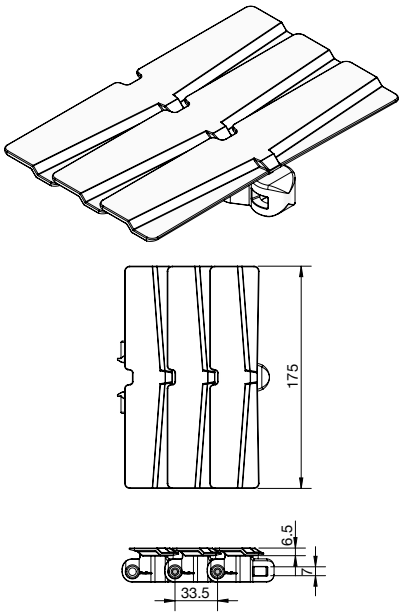


UOM: 5 Meter / box

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**

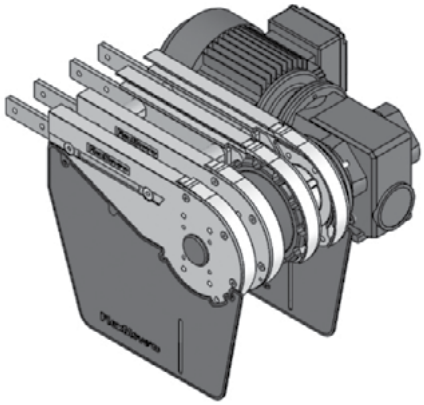


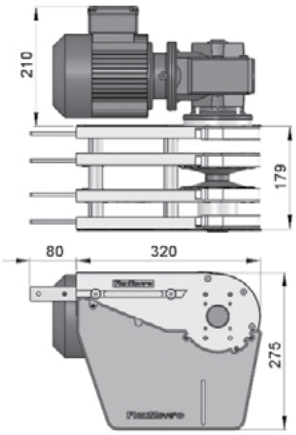
UOM: 5 Meter / box

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

FU Direct End Drive with Motor **(LEFT)**

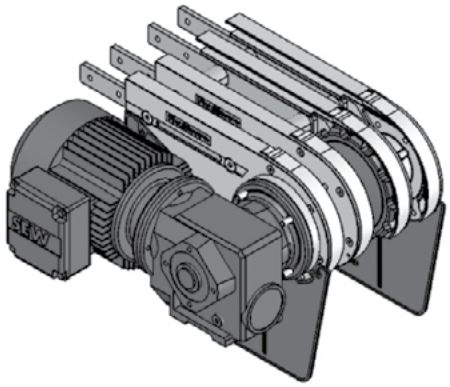
FUDD-A180-XDY (See Chart)





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*		
		A = 20 mm Aux Only	R = Right	A = 20 mm Aux Shaft

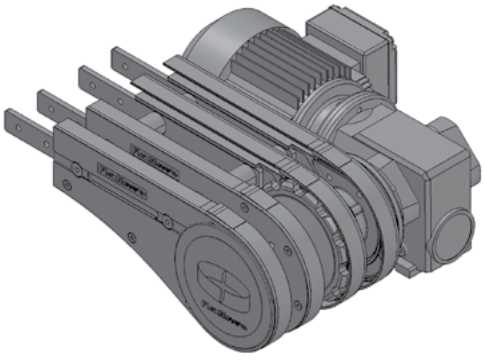
*3/4 inch shaft option available in North America only.

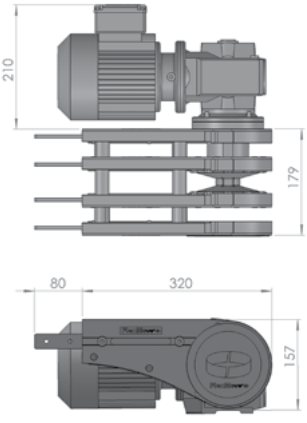
Max Traction Force: 1250N
The Direct End Drive Unit is without torque limiter.

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)**

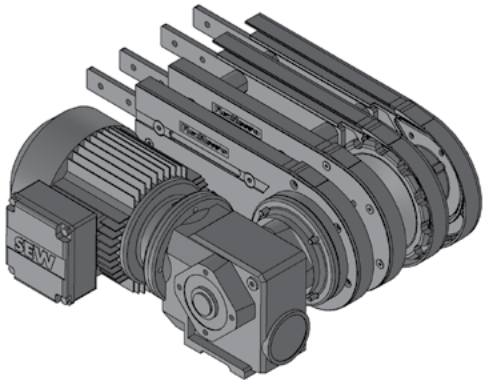
FUDD-A180GP-XDY (See Chart)





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

FUDD-A180GP-XDY (See Chart)



Requires the use of connecting or weighted take-up module for chain maintenance.

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*		
		A = 20 mm Aux Only	R = Right	A = 20 mm Aux Shaft

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

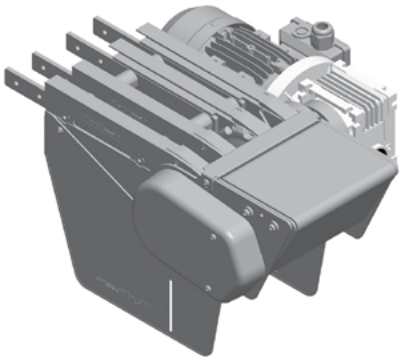
Max Traction Force: 1250N
The Direct End Drive Unit GP is without torque limiter.

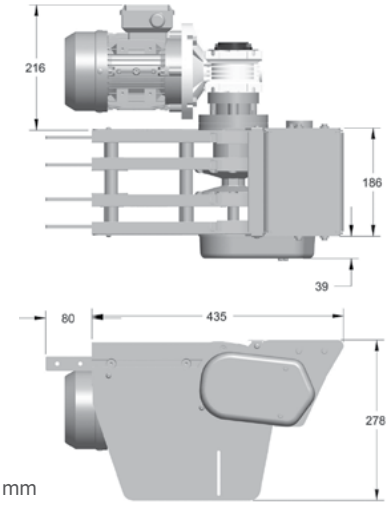
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 1.0 meter

SEW gearmotors are products of SEW Eurodrive

FU Direct with Power Transfer Motor (LEFT)

FUDD–A180PT-XD (See Chart)





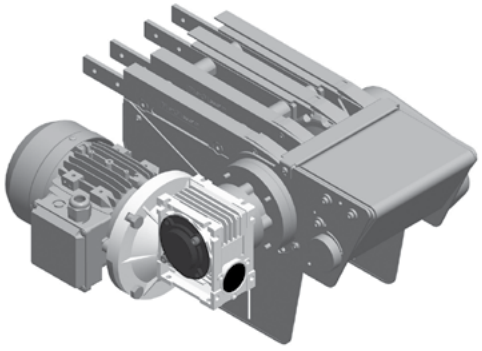
Minimum product length for inline transfer = 100 mm
Maximum speed is 30 m/min (100 ft/min)
Only one power transfer needed on either infeed or discharge trail required for end to end transer. Provides extended transfer nose for interfacing with large rollers.

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)

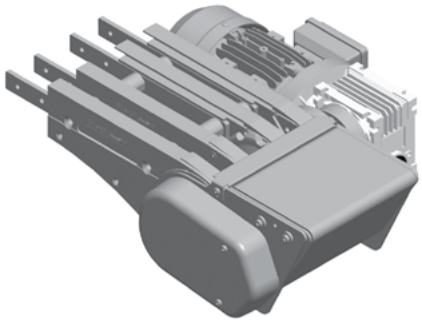


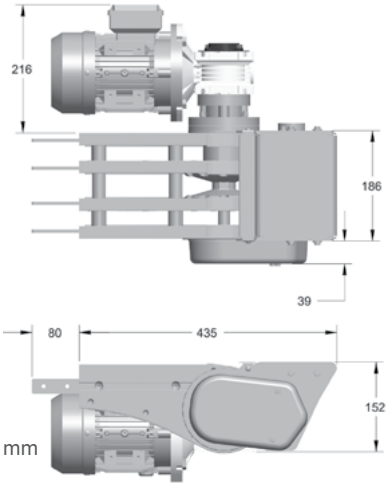
Max Traction Force: 1250N
The Direct End Drive Unit is without torque limiter.

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)





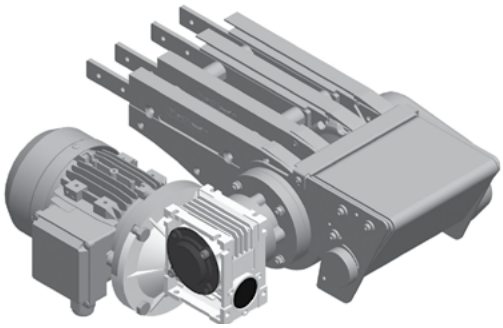
Minimum product length for inline transfer = 100 mm
Maximum speed is 30 m/min (100 ft/min)
Only one power transfer needed on either infeed or discharge trail required for end to end transer. Provides extended transfer nose for interfacing with large rollers.
Requires the use of connecting or weighted take-up 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)



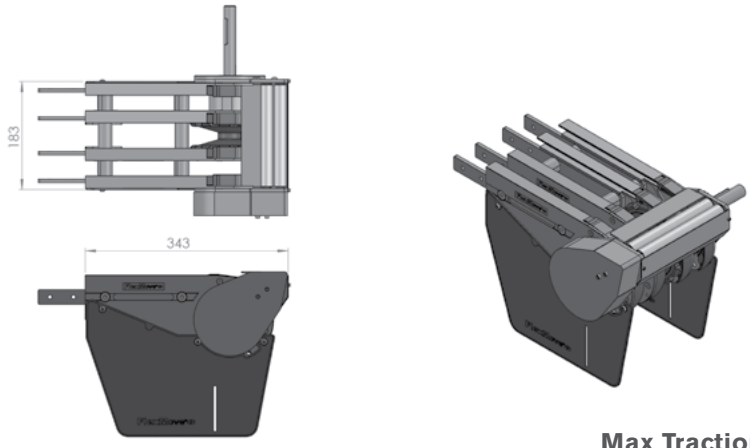
Max Traction Force: 1250N
The Direct End Drive Unit GP is without torque limiter.

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

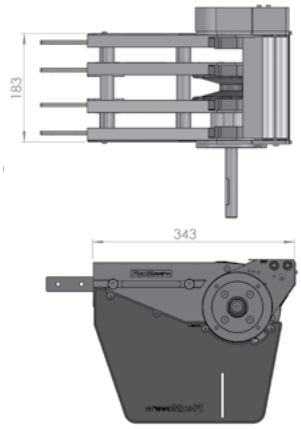


UOM: pc

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)**

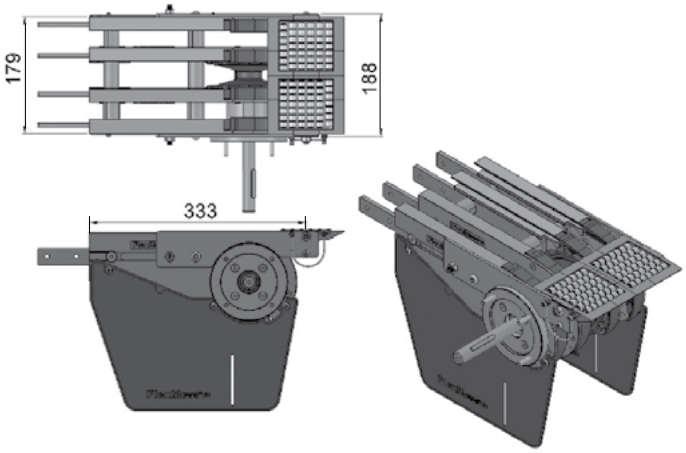
FUDD-A180DB-A-0R



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

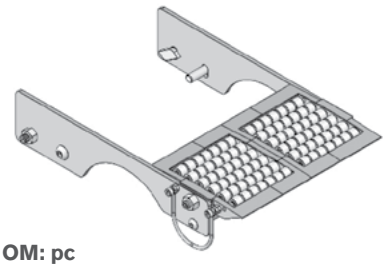
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0 meter

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



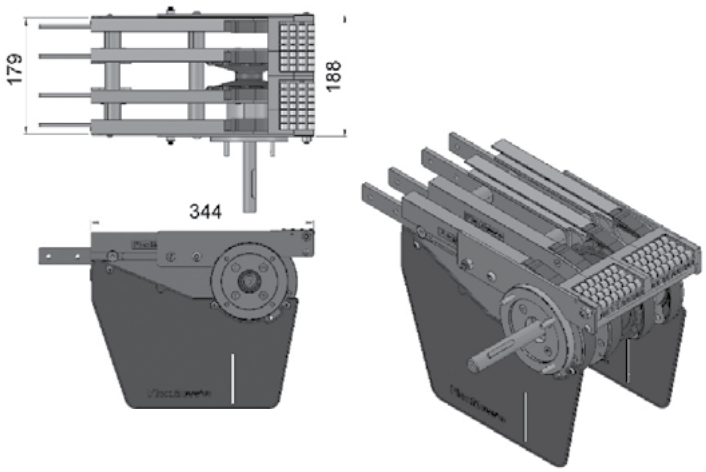
FUTB-A180

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



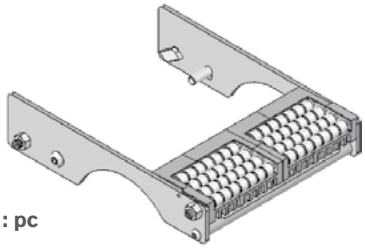
UOM: pc

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



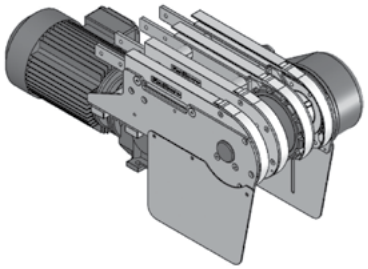
UOM: pc

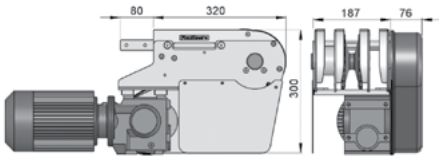
FU Suspended Drive with Motor **(LEFT)**

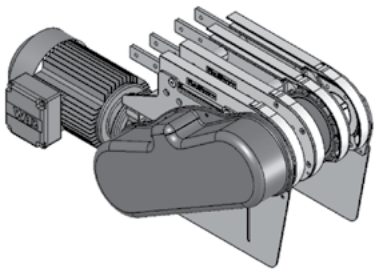
FUSD-A180-0L **(with Torque Limiter)**
FUSD-A180SPT-0L **(without Torque Limiter)**

FU Suspended Drive with Motor **(RIGHT)**

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







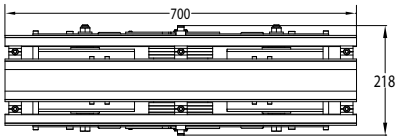
- Locates gearmotor below conveyor for compact applications.
- Includes torque limiter protecting chain and motor from overload.
- Chain pull capacity at 1250N for unit without torque limiter.
- Chain pull capacity at 840N for unit with torque limiter.

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

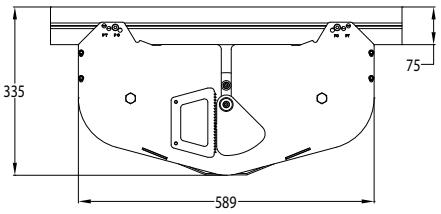
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 1.0 meter

FU Weighted Take-up Module

FU-WTU-700



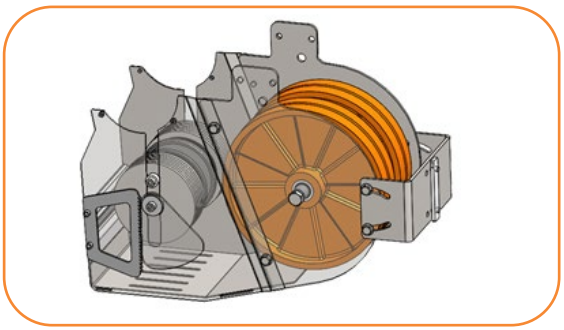
- Provides automatic chain stretch take-up
- Reduces noise caused from catenary tail
- Must be used with GP Drive End, sold separately
- Used on conveyors over 12 M long



UOM: pc
Chain required 1.5 meter
Slide rail required 3.5 meter

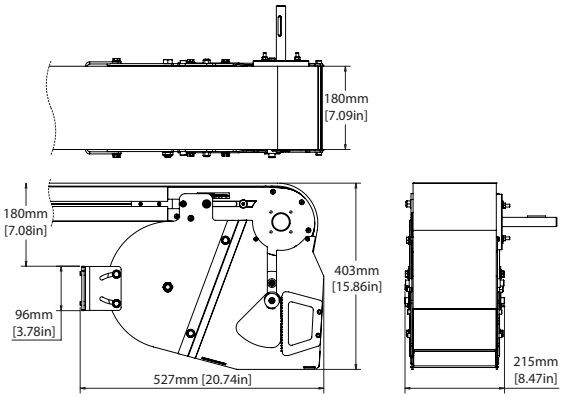
FU Weighted Take-up Tail Module

FU-WTU-180



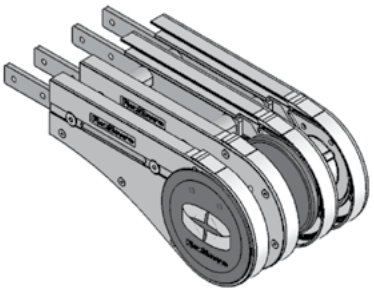
UOM: pc
Chain required 1.5 meter
Slide rail required 2.1 meter

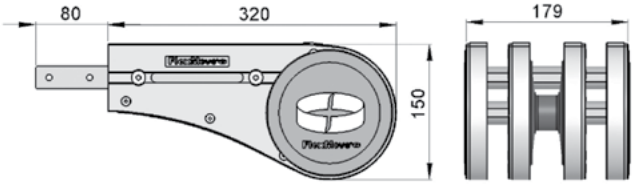
- Provides controlled chain take-up for improved conveyor performance
- Compact design fits in similar space as standard direct drive modules
- Smooths conveyor chain movement by helping to eliminate micro-surging
- Suggested for conveyors over 12.2 M (40 ft) in length
- Capable of inclined and declined arrangement up to 30 degrees
- Improves operator safety by enclosing chain catenar
- Attaches to direct end drive tail
- Compatable with power transfer and driven bridge



FU Idler End-180

FUIE-A180

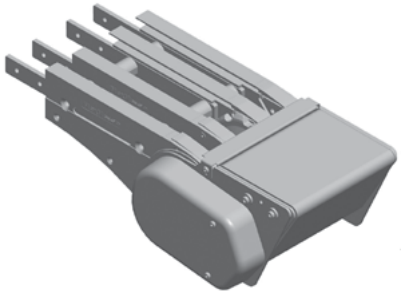


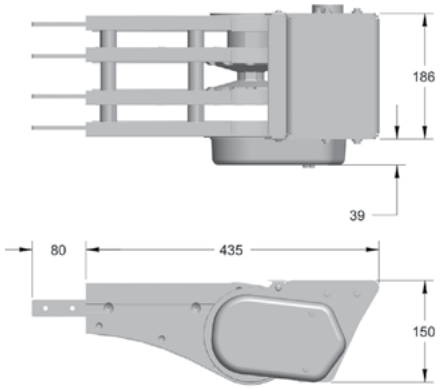


UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 1.0 meter

FU Idler End with Power Transfer **(LEFT)**

FUIE-A180PT-L

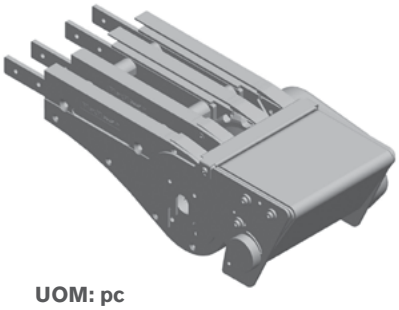




Minimum product length for inline transfer = 100 mm
Provides extended transfer nose for interfacing with large rollers.

FU Idler End with Power Transfer **(RIGHT)**

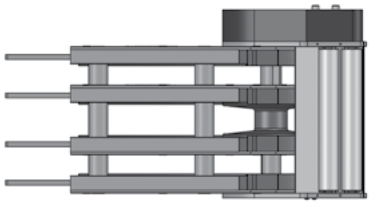
FUIE-A180PT-R

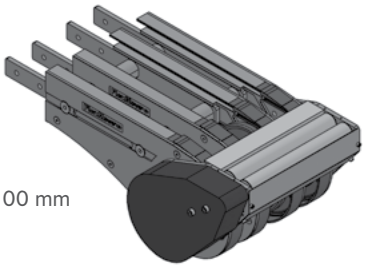


UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 1.0 meter

FU Idler End Driven Transfer Bridge **(LEFT)**

FUIE-A180DB-A-L



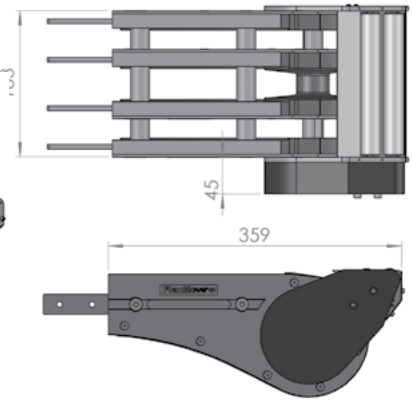


Minimum product length for inline transfer = 100 mm
Transfer extends past conveyor only 27 mm

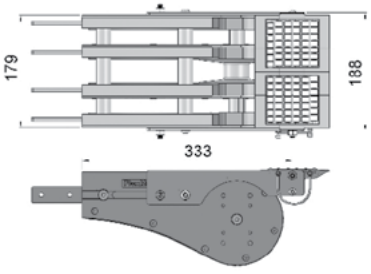
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 1.0 meter

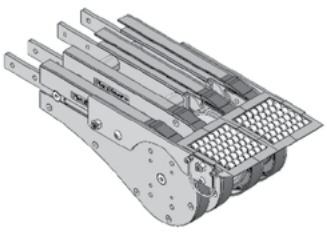
FU Idler End Driven Transfer Bridge **(RIGHT)**

FUIE-A180DB-A-R



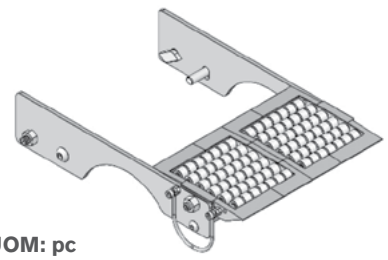
FU Idler Free Roller Transfer Bridge





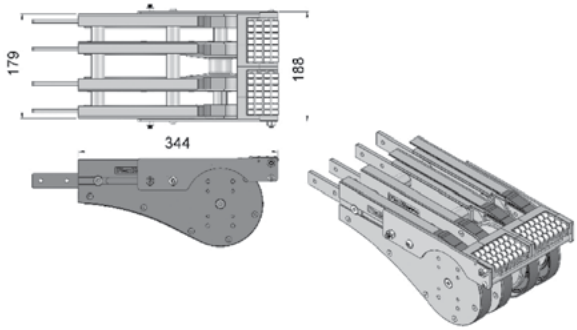
FUTB-A180

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



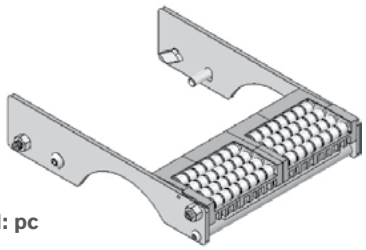
UOM: pc

FU Idler End Free Roller Bridge



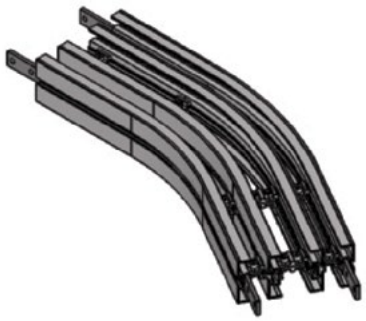
FUEB-A180

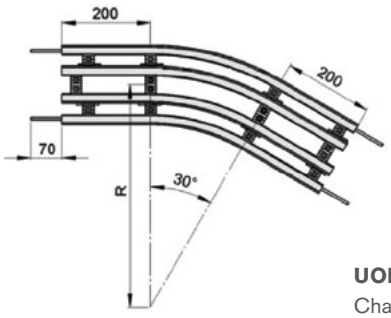
End transfer bridge c/w roller for FUIE-A180, FUDD-A180-XDY and FUDD-A180GP-XDY



UOM: pc

FU Horizontal Plain Bend 30°





Horizontal plain bend, 30° ± 1°

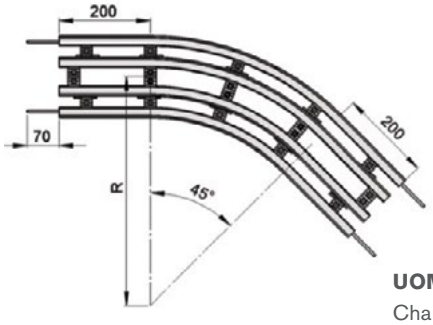
R = 500 ± 10 mm	**FUHB-30R500**
R = 700 ± 10 mm	**FUHB-30R700**
R = 1000 ± 10 mm	**FUHB-30R1000**

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°

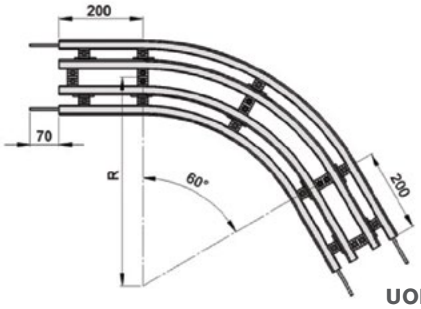
R = 500 ± 10 mm	**FUHB-45R500**
R = 700 ± 10 mm	**FUHB-45R700**
R = 1000 ± 10 mm	**FUHB-45R1000**

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°

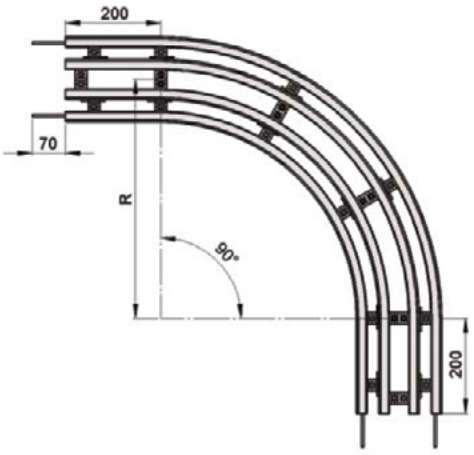
R = 500 ± 10 mm	**FUHB-60R500**
R = 700 ± 10 mm	**FUHB-60R700**
R = 1000 ± 10 mm	**FUHB-60R1000**

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

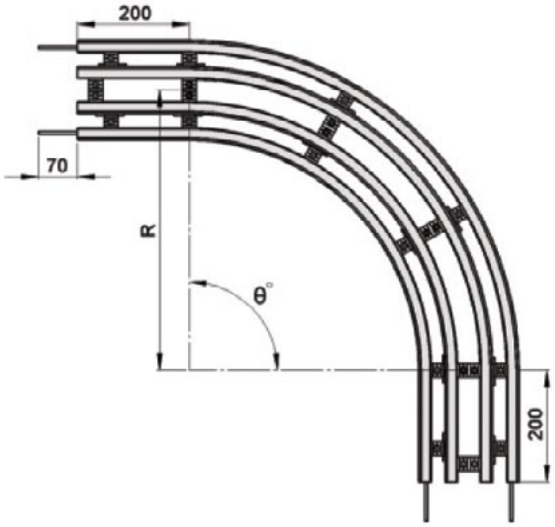


Horizontal plain bend, 90° ± 1°

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, Ø° ± 1°

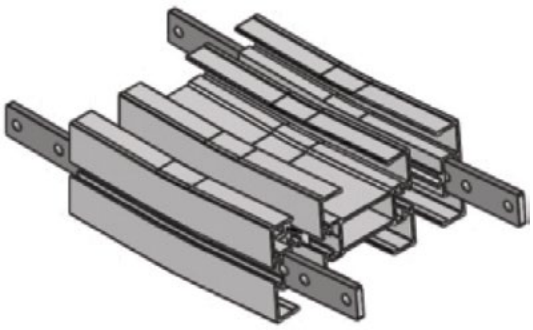
R = 500 ± 10 mm	**FUHB - Ø°R500**
R = 700 ± 10 mm	**FUHB - Ø°R700**
R = 1000 ± 10 mm	**FUHB - Ø°R1000**

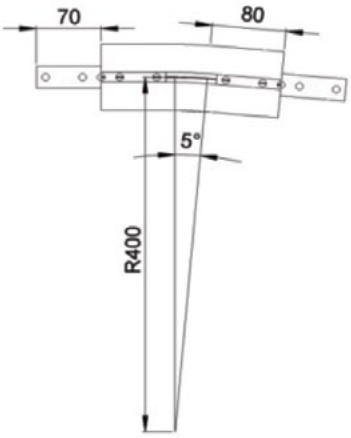
If an angle of 120° is needed for radius R500 horizontal plain bend, the ordering part number is

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)

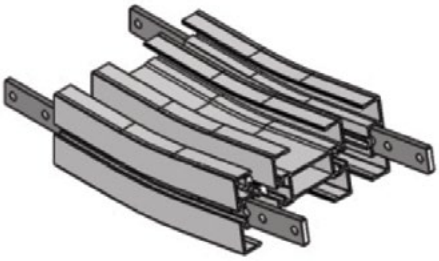
FU Vertical Bend 5° FUVB-5R400

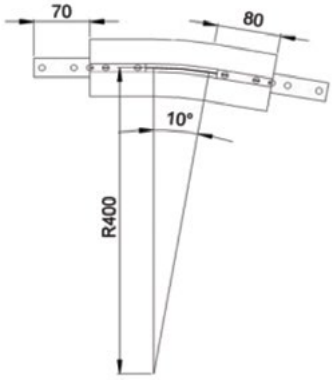




UOM: pc
Chain required 2-way: 0.4 meter
Slide rail required 2-way: 1.2 meter

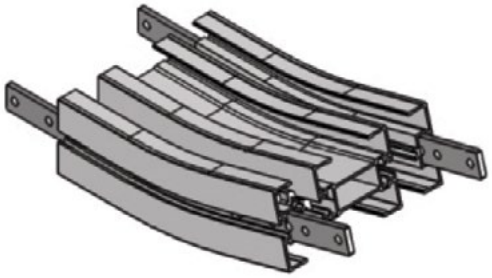
FU Vertical Bend 10° — FUVB-10R400

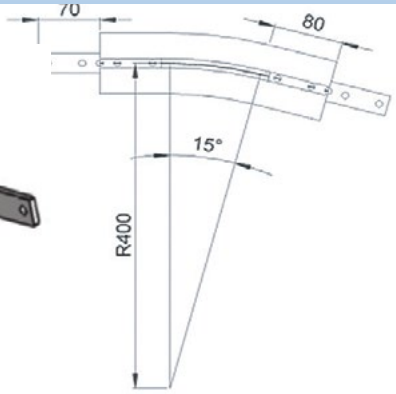




UOM: pc
Chain required 2-way: 0.5 meter
Slide rail required 2-way: 1.4 meter

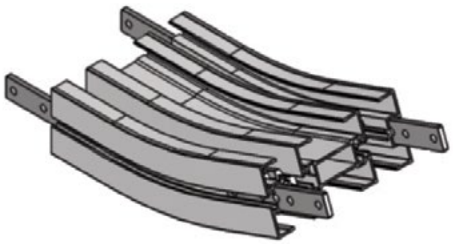
FU Vertical Bend 15° — FUVB-15R400

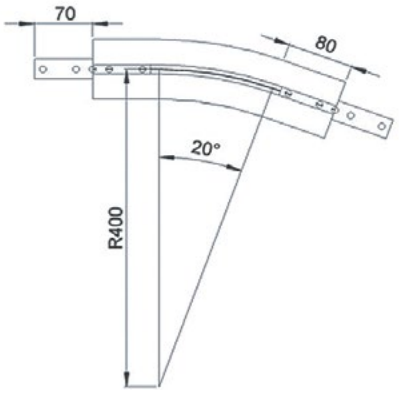




UOM: pc
Chain required 2-way: 0.5 meter
Slide rail required 2-way: 1.6 meter

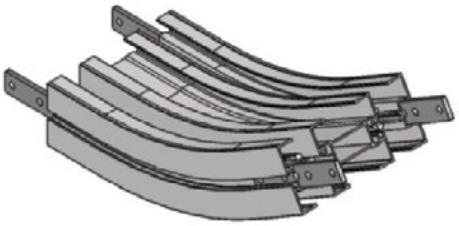
FU Vertical Bend 20° — FUVB-20R400

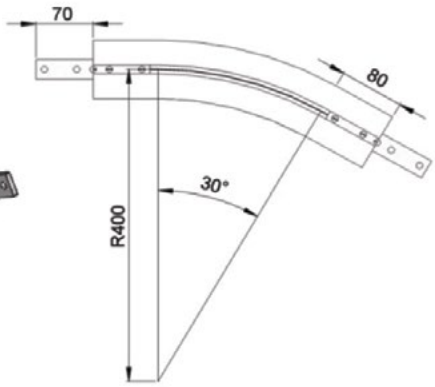




UOM: pc
Chain required 2-way: 0.6 meter
Slide rail required 2-way: 1.8 meter

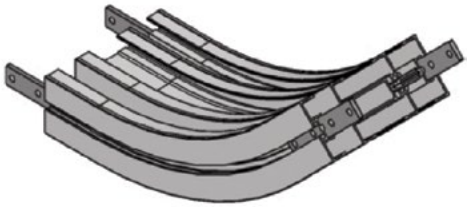
FU Vertical Bend 30° — FUVB-30R400

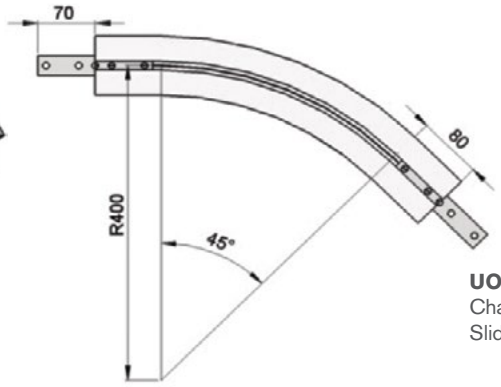




UOM: pc
Chain required 2-way: 0.7 meter
Slide rail required 2-way: 2.2 meter

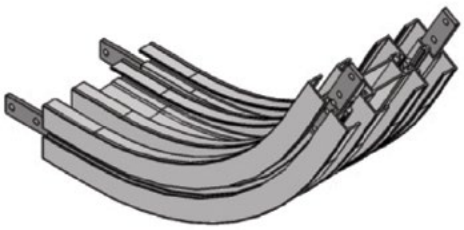
FU Vertical Bend 45° — FUVB-45R400

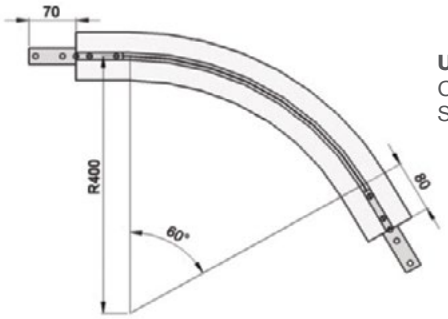




UOM: pc
Chain required 2-way: 0.9 meter
Slide rail required 2-way: 2.8 meter

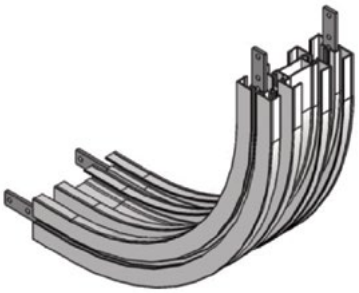
FU Vertical Bend 60° — FUVB-60R400

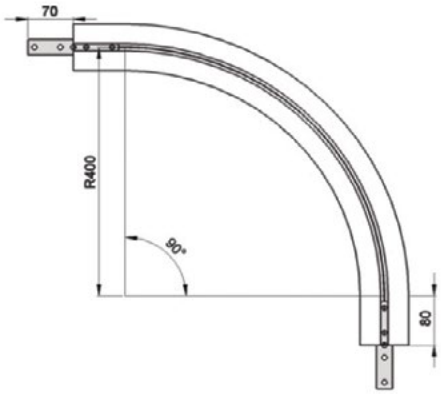




UOM: pc
Chain required 2-way: 1.2 meter
Slide rail required 2-way: 3.5 meter

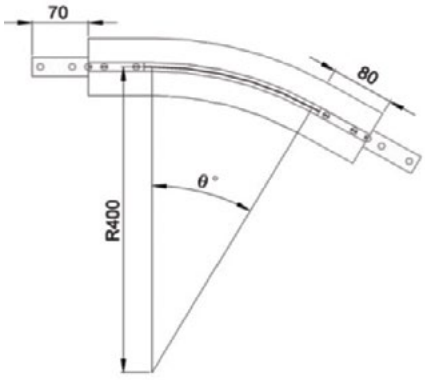
FU Vertical Bend 90° — FUVB-90R400





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, Ø° ± 1°
- FUVB-Ø°R400

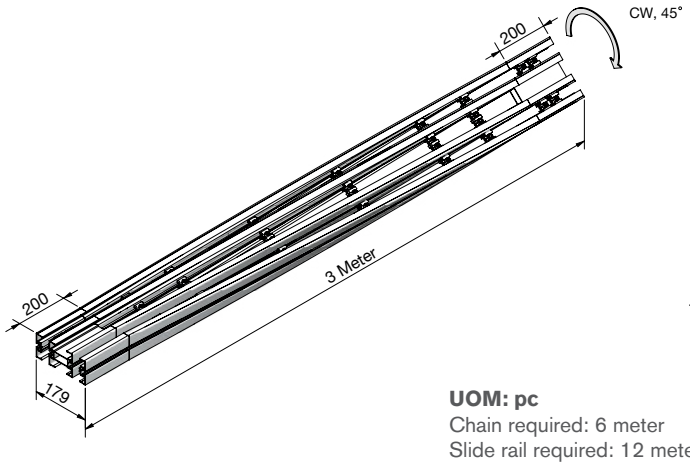
If an angle of 65° is needed for vertical bend, the ordering part number is

FUVB-65R400

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

FU 45 Degree Twist Conveyor Beam **(Clockwise)**

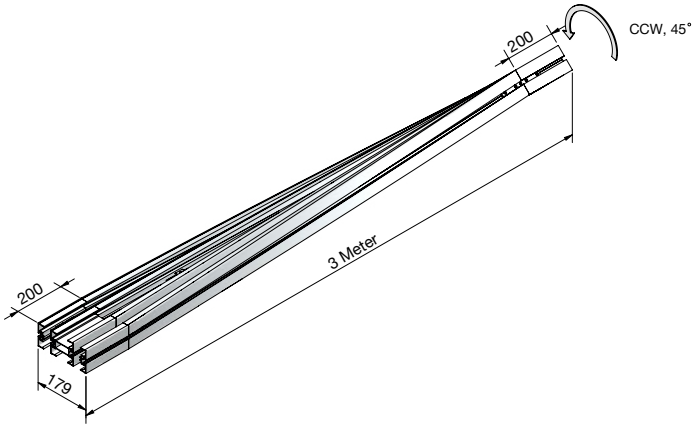
FUTB-CW45x3000



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

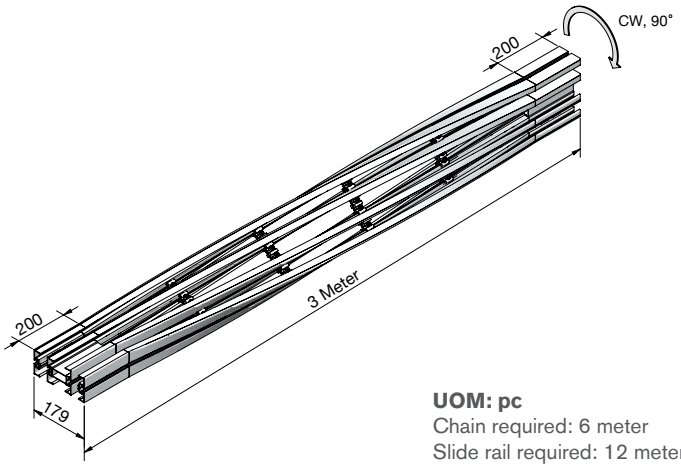
FU 45 Degree Twist Conveyor Beam **(Counter-Clockwise)**

FUTB-CCW45x3000



FU 90 Degree Twist Conveyor Beam **(Clockwise)**

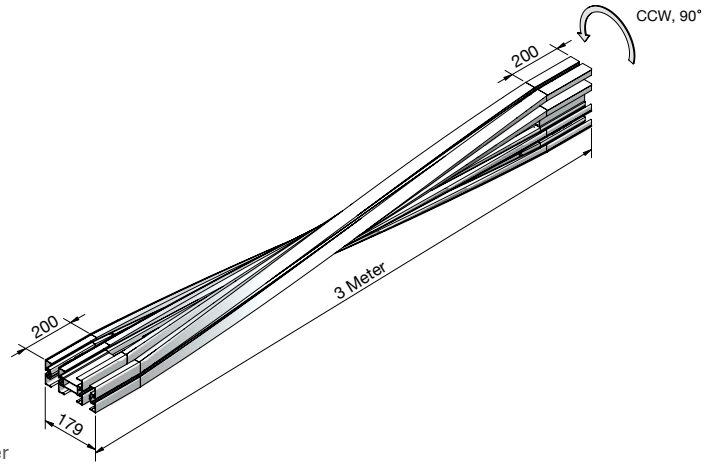
FUTB-CW90x3000



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

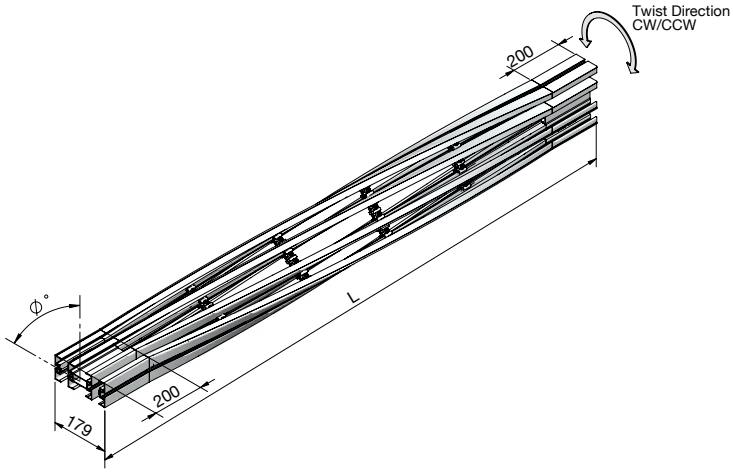
FU 90 Degree Twist Conveyor Beam **(Counter-Clockwise)**

FUTB-CCW90x3000



FU Twist Conveyor Beam 15° - 90°

FUTB-AAABBx3000 **Where AAA = CW or CCW, BB = Angle**



Example for FU Twist Conveyor Beam Ordering

- Twist Conveyor Beam, Ø° ± 5°

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

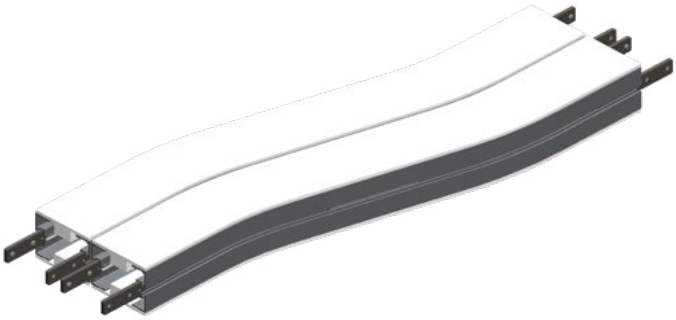
FUTB-CW30x3000

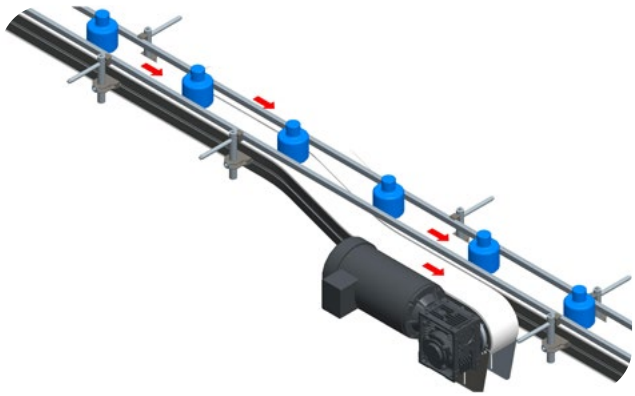
Angle of Ø°, twist direction, and length L, must be indicated when ordering.

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

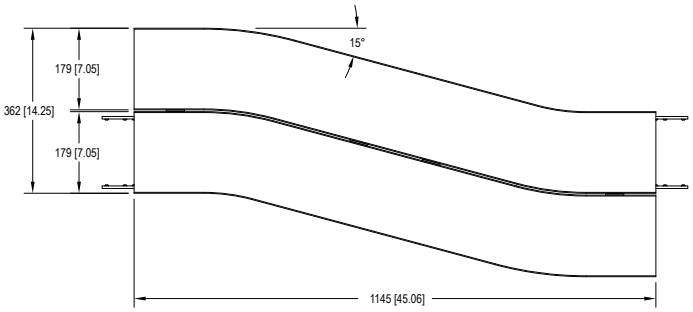
FU S In-Line Transfer Module

FUST-180



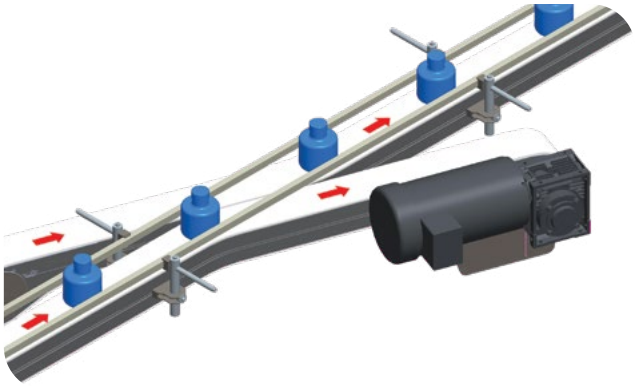


- S In-Line Modules provide a standard, compact way to side transfer product from conveyor to conveyor.
- Straight guiding is placed across the transfer module for smooth In-Line product flow
- Conveyors are mounted together to provide a smooth transfer even for small products
- S In-Line transfers are compact in the width dimension

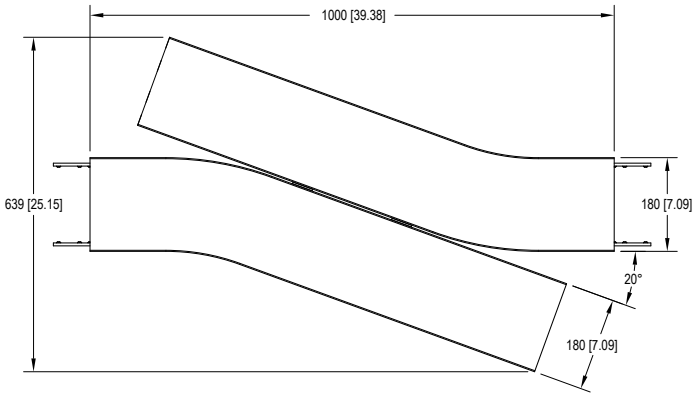


FU X In-Line Transfer Module

FUXT-180



- X In-Line Modules provide a standard, compact way to side transfer product from conveyor to conveyor.
- Straight guiding is placed across the transfer module for smooth In-Line product flow
- Conveyors are mounted together to provide a smooth transfer even for small products
- X In-Line transfers are compact in the length direction



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

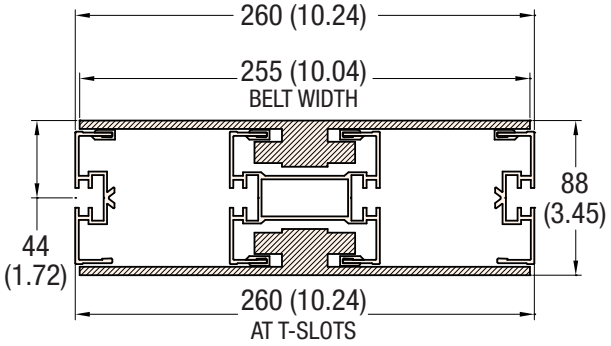
Slide Rail Color: White or Natural Color

Slide Rail Material: HDPE, UHMW OR SPECIAL PE

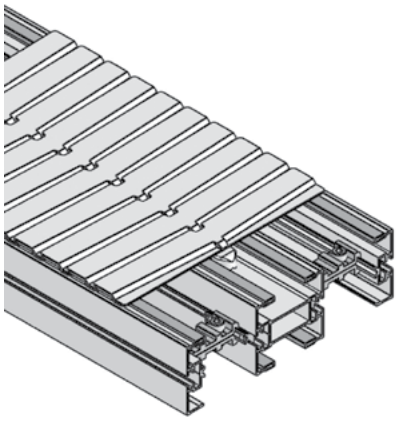
Slide Rail Rivet & Screw: FASLR-4X6 or FASLS-M5

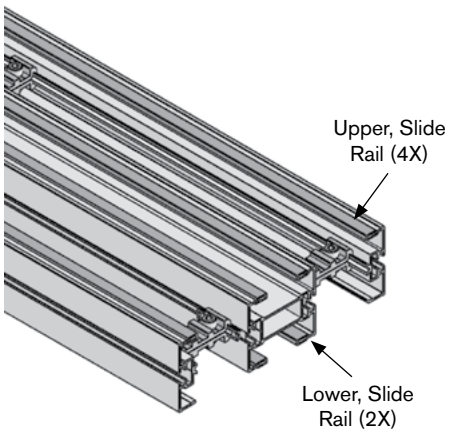
Connecting strip is used to connect two beams.

Connecting Strip: FACS-25x140A

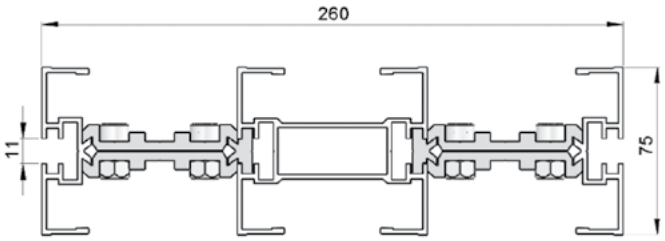


260 MM WIDTH



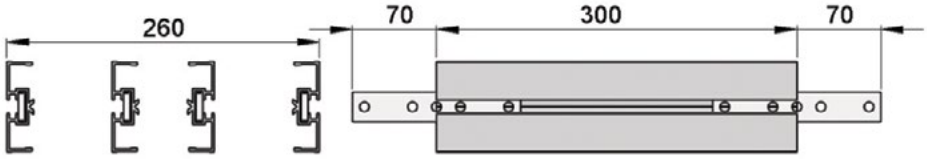


Conveyor Beam **FVCB-3**



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:

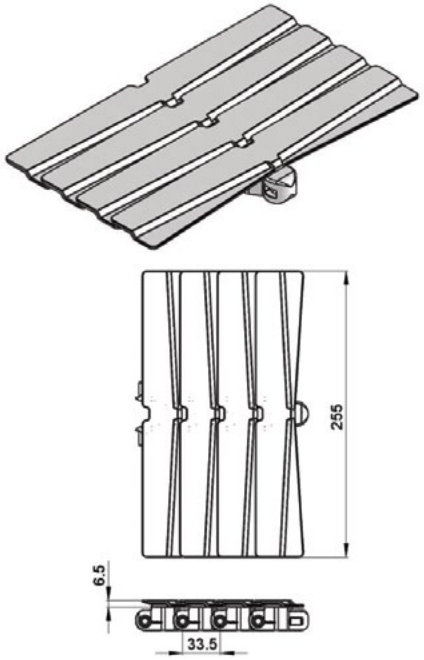
Chain: White Acetal / POM

Pivot: Polyamide

Pivot Pin: Stainless Steel

Insert (Wedge & Friction): TPE Grey

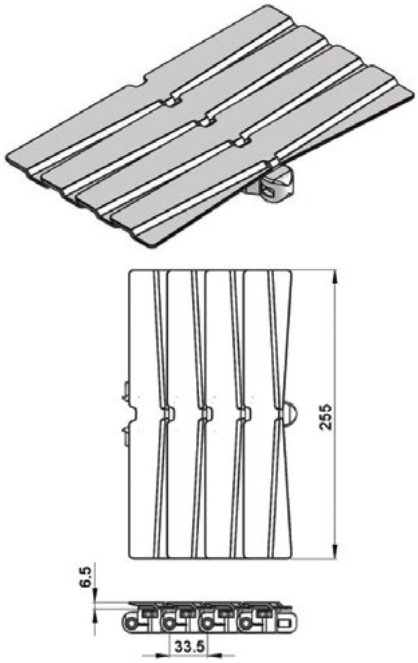
Plain Chain **FVPC-5**



UOM: 5 Meter / box

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

Roller Plain Chain **FVPC-5R**

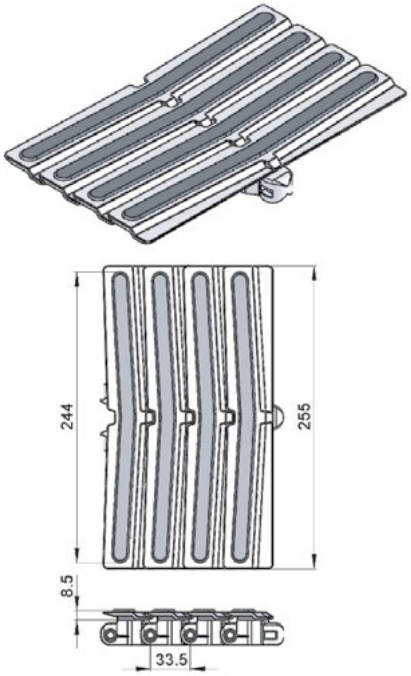


UOM: 5 Meter / box

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

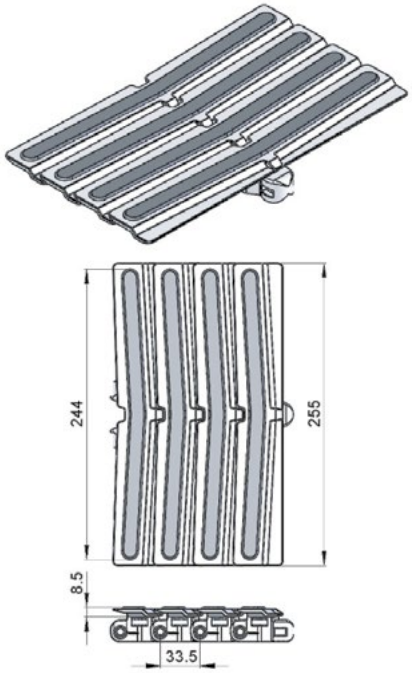
Friction Top Chain **FVFT-B-5**



UOM: 5 Meter / box

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

Roller Friction Top Chain **FVFT-B-5R**

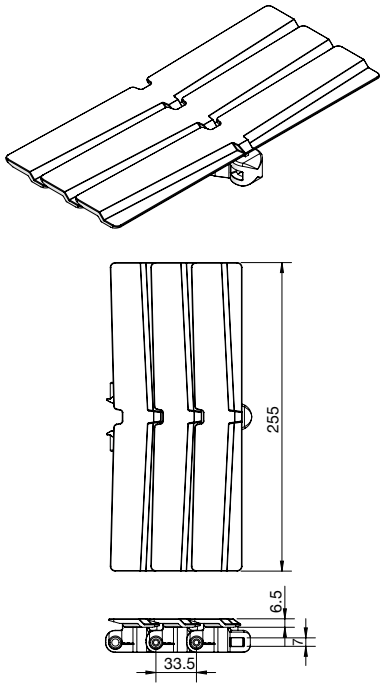


UOM: 5 Meter / box

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**

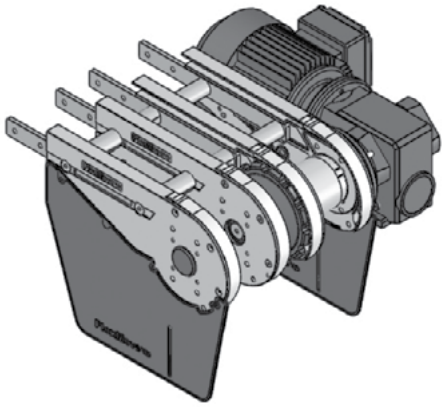


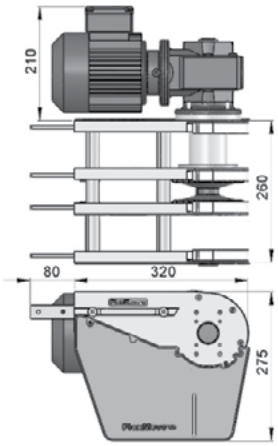
UOM: 5 Meter / box

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

FV Direct End Drive with Motor (LEFT)

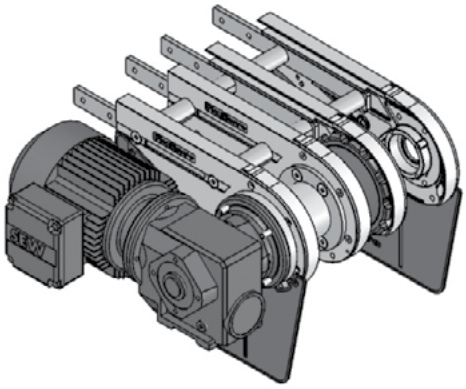
FVDD-A260-XDY (See Chart)





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*		
		A = 20 mm Aux Only	R = Right	A = 20 mm Aux Shaft

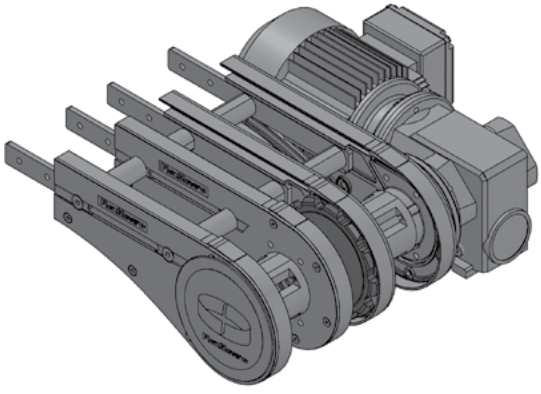
*3/4 inch shaft option available in North America only.

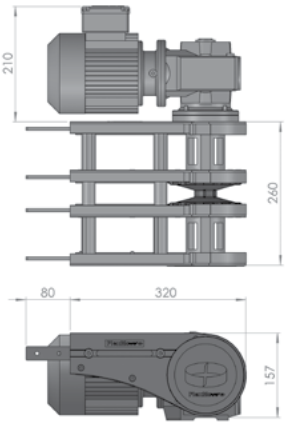
Max Traction Force: 1250N
The Direct End Drive Unit is without torque limiter.

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

FV Direct End Drive unit without Motor GP (LEFT)

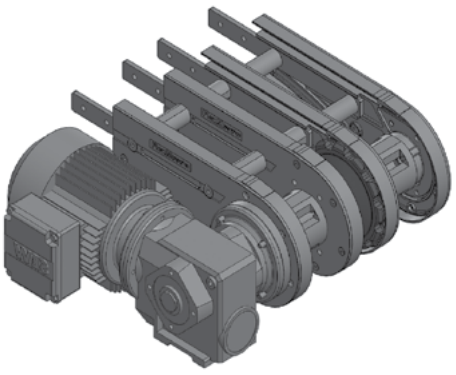
FVDD-A260GP-XDY (See Chart)





FV Direct End Drive unit without Motor GP (RIGHT)

FVDD-A260GP-XDY (See Chart)



Requires the use of connecting or weighted take-up module for chain maintenance.

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*		
		A = 20 mm Aux Only	R = Right	A = 20 mm Aux Shaft

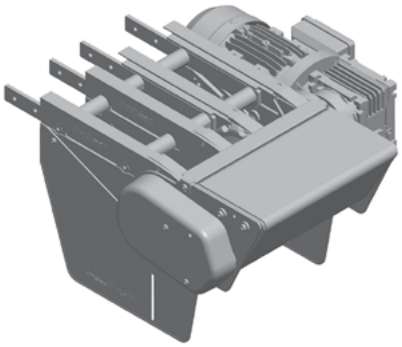
*3/4 inch shaft option available in North America only.

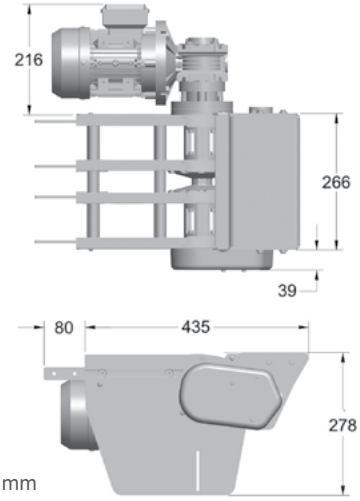
Max Traction Force: 1250N
The Direct End Drive Unit GP is without torque limiter.

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

FV Direct with Power Transfer Motor (LEFT)

FVDD–A260PT-XD (See Chart)





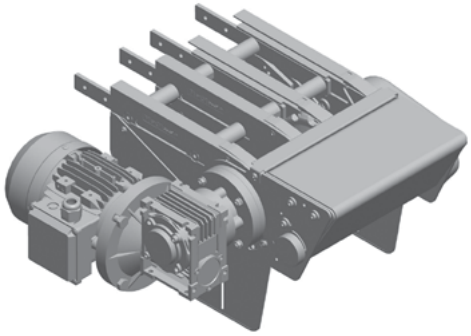
Minimum product length for inline transfer = 100 mm
Maximum speed is 30 m/min (100 ft/min)
Only one power transfer needed on either infeed or discharge trail required for end to end transer. Provides extended transfer nose for interfacing with large rollers.

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)

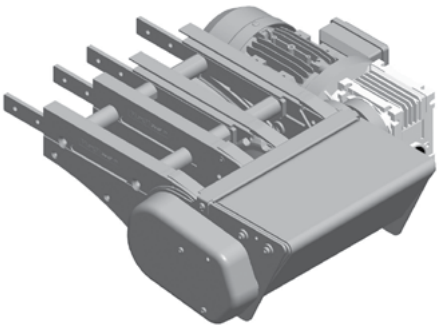


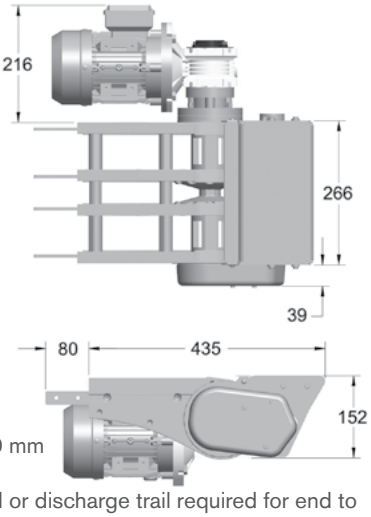
Max Traction Force: 1250N
The Direct End Drive Unit is without torque limiter.

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)





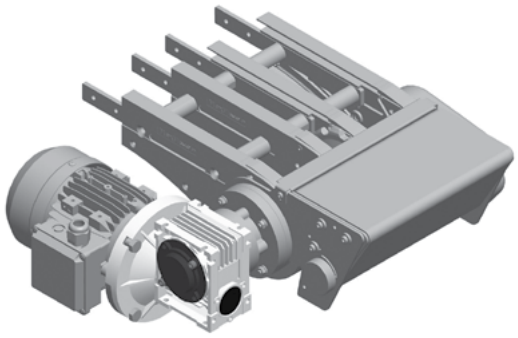
Minimum product length for inline transfer = 100 mm
Maximum speed is 30 m/min (100 ft/min)
Only one power transfer needed on either infeed or discharge trail required for end to end transer. Provides extended transfer nose for interfacing with large rollers.
Requires the use of connecting or weighted take-up 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)



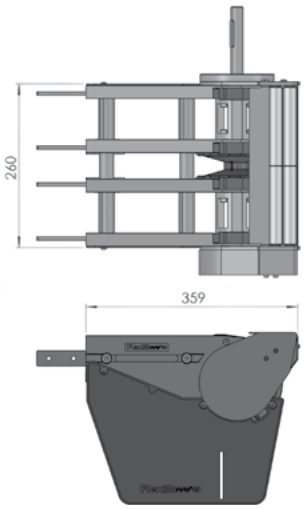
Max Traction Force: 1250N
The Direct End Drive Unit GP is without torque limiter.

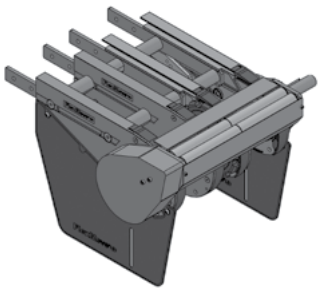
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0 meter

SEW gearmotors are products of SEW Eurodrive

FV Direct Drive Driven Transfer Bridge (LEFT)

FVDD-A260DB-A-0L



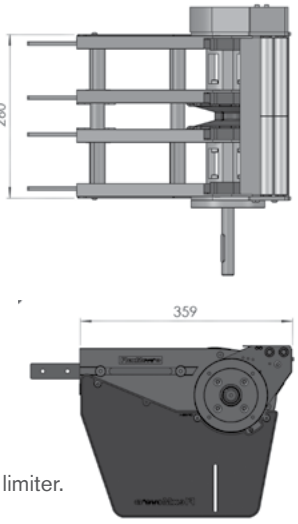


UOM: pc

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)

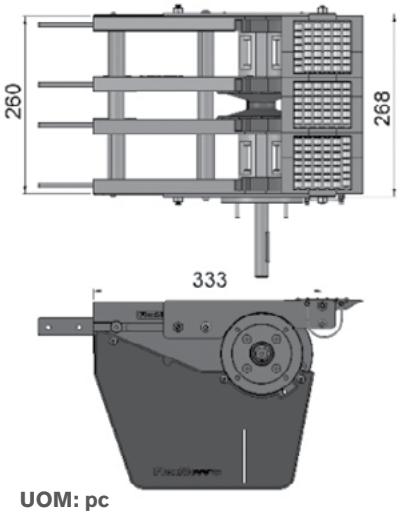
FVDD-A260DB-A-0R

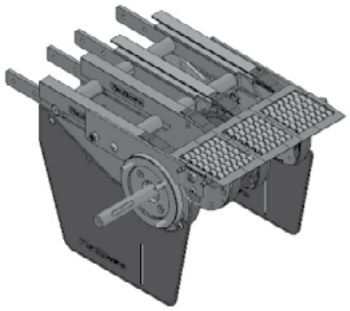


Max Traction Force: 1250N
The Direct End Drive Unit is without torque limiter.

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)

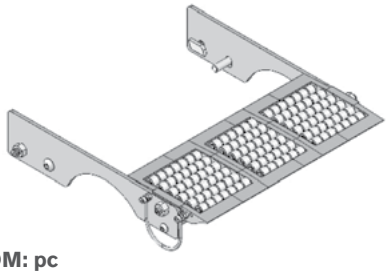




UOM: pc

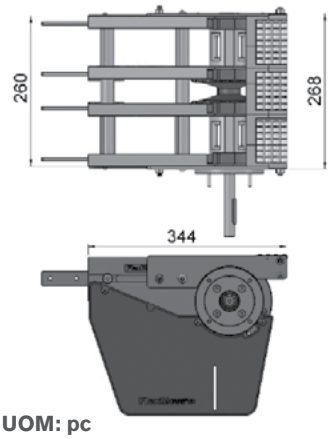
FVTB-A260

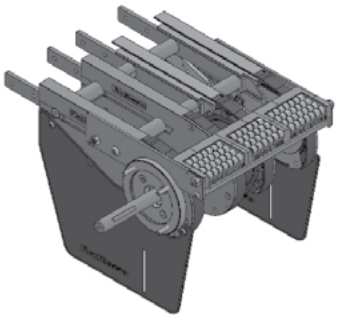
Transfer bridge c/w roller for FVIE-A260, FVDD-A260-XDY and FVDD-A260GP-XDY



UOM: pc

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

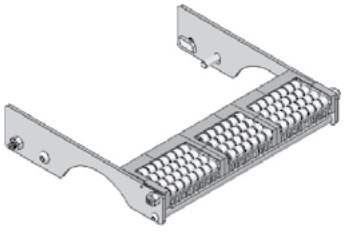




UOM: pc

FVEB-A260

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

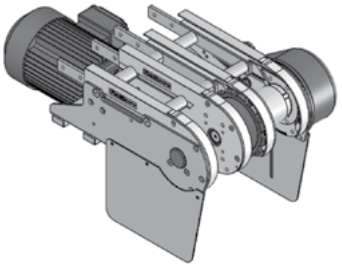


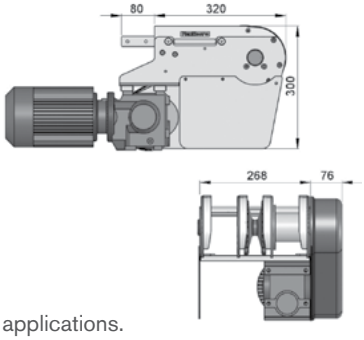
UOM: pc

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)

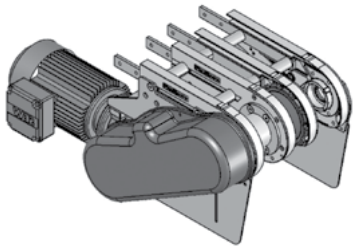




- Locates gearmotor below conveyor for compact applications.
- Includes torque limiter protecting chain and motor from overload.
- Chain pull capacity at 1250N for unit without torque limiter.
- Chain pull capacity at 840N for unit with torque limiter.

FV Suspended End Drive with Motor **(RIGHT)**

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

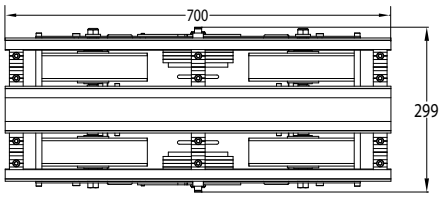


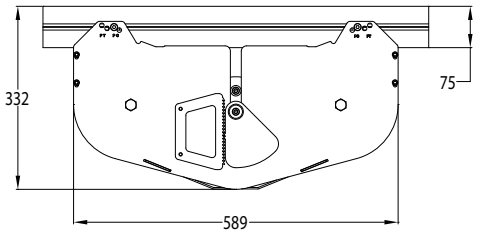
Max Traction Force:
1250N (without limiter)
840N (with limiter)

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

FV Weighted Take-up Module

FV-WTU-700



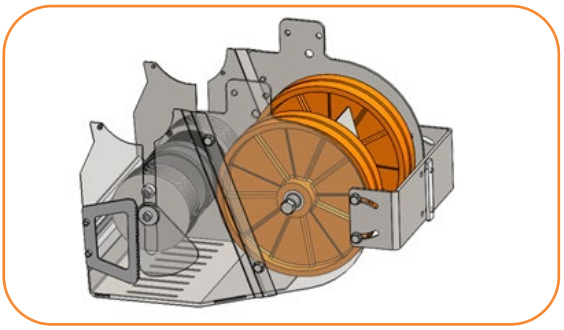


- Provides automatic chain stretch take-up
- Reduces noise caused from catenary tail
- Must be used with GP Drive End, sold separately
- Used on conveyors over 12 M long

UOM: pc
Chain required 1.5 meter
Slide rail required 3.5 meter

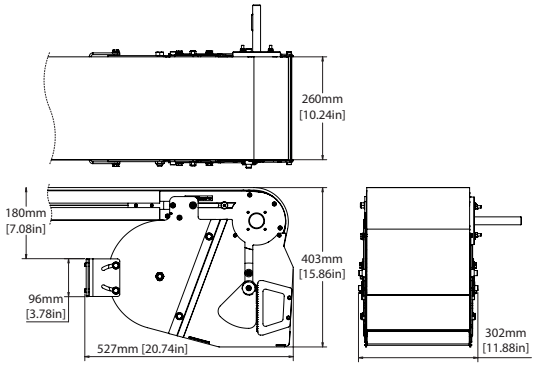
FT Weighted Take-up Tail Module

FT-WTU-260



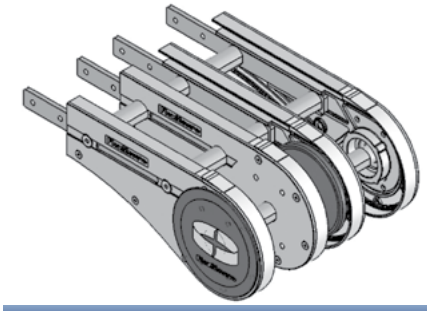
UOM: pc
Chain required 1.5 meter
Slide rail required 2.1 meter

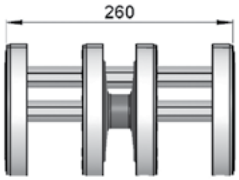
- Provides controlled chain take-up for improved conveyor performance
- Compact design fits in similar space as standard direct drive modules
- Smooths conveyor chain movement by helping to eliminate micro-surging
- Suggested for conveyors over 12.2 M (40 ft) in length
- Capable of inclined and declined arrangement up to 30 degrees
- Improves operator safety by enclosing chain catenar
- Attaches to direct end drive tail
- Compatable with power transfer and driven bridge

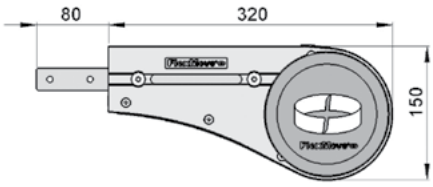


FV Idler End-260

FVIE-A260



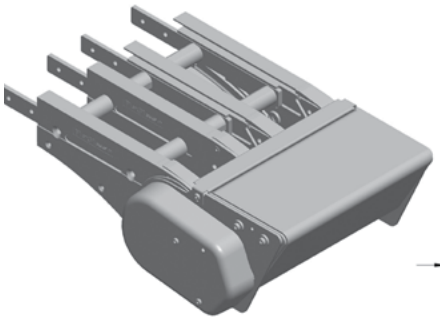


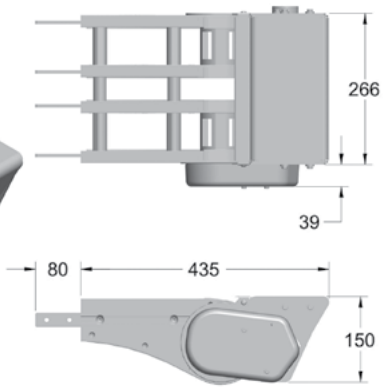


UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

FV Idler End with Power Transfer **(LEFT)**

FVIE-A260PT-L

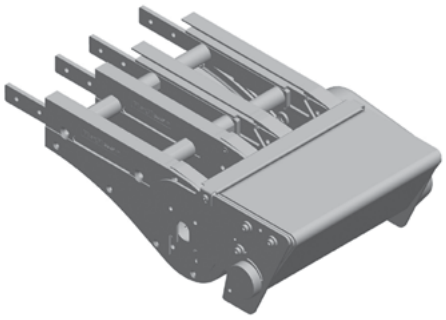




Minimum product length for inline transfer = 100 mm
Provides extended transfer nose for interfacing with large rollers.

FV Idler End with Power Transfer **(RIGHT)**

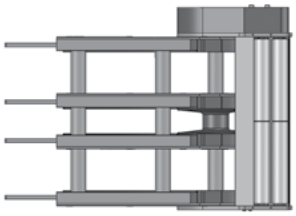
FVIE-A260PT-R

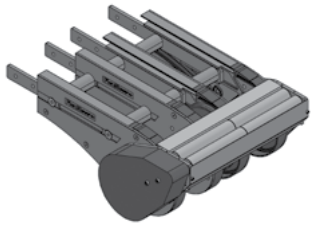


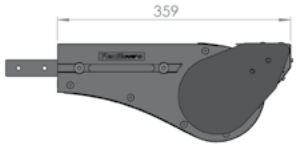
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

FV Idler End Driven Transfer Bridge **(LEFT)**

FVIE-A260DB-A-R



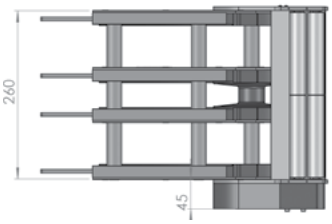




Minimum product length for inline transfer = 100 mm
Transfer extends past conveyor only 27 mm

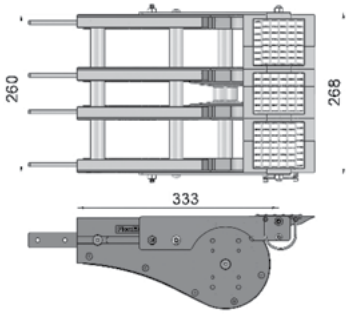
FV Idler End Driven Transfer Bridge **(RIGHT)**

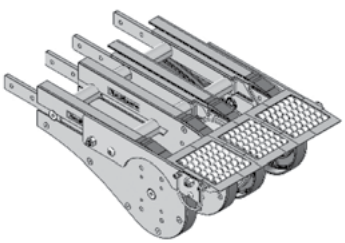
FVIE-A260DB-A-L



UOM: pc

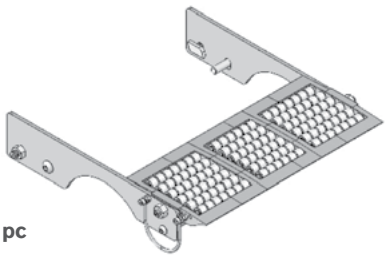
FV Idler Free Roller Transfer Bridge





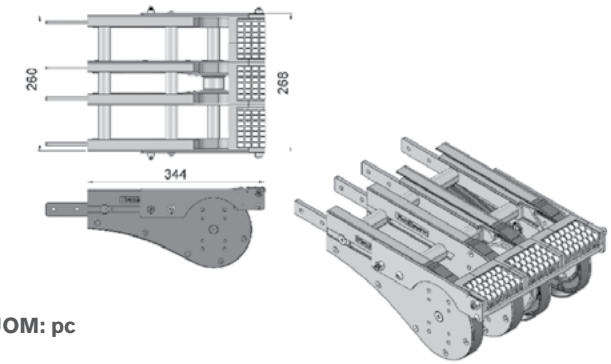
FVTB-A260

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



UOM: pc

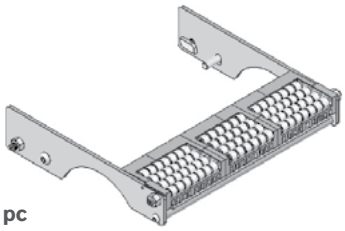
FV Idler End Free Roller Bridge



UOM: pc

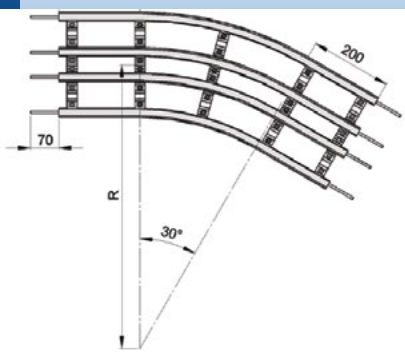
FVEB-A260

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



UOM: pc

FV Horizontal Plain Bend 30°

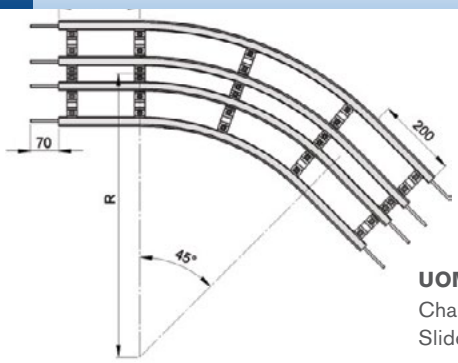


Horizontal plain bend, 30° ± 1°

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°

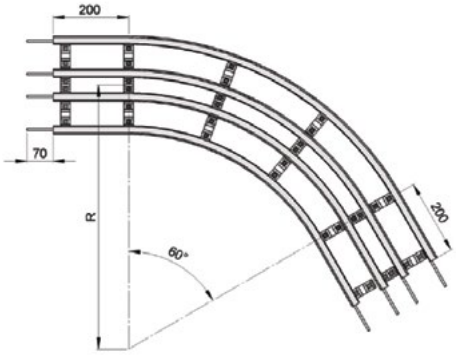


Horizontal plain bend, 45° ± 1°

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°

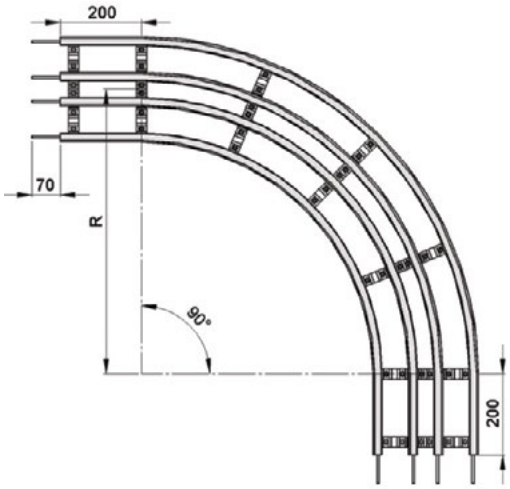


Horizontal plain bend, 60° ± 1°

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**

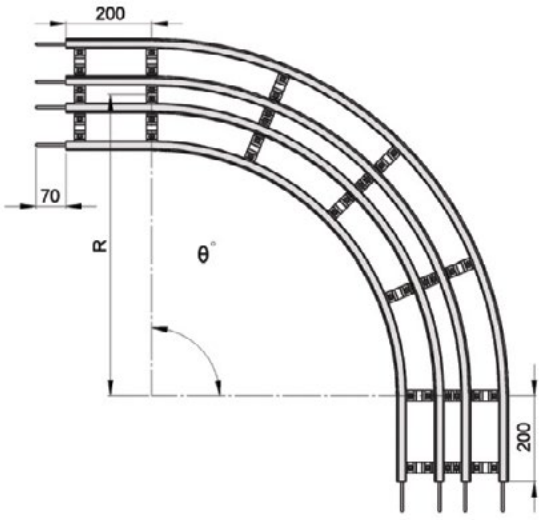
R = 1000 ± 10 mm **FVHB-90R1000**

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, Ø° ± 1°

R = 700 ± 10 mm **FVHB - Ø°R700**

R = 1000 ± 10 mm **FVHB - Ø°R1000**

If an angle of 120° is needed for radius R700 horizontal plain bend, the ordering part number is

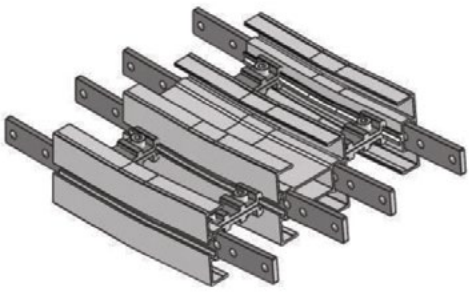
FVHB -120R700

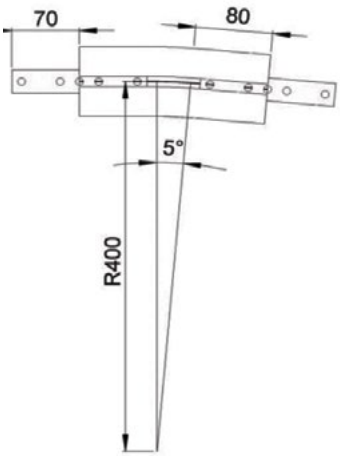
UOM: pc

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



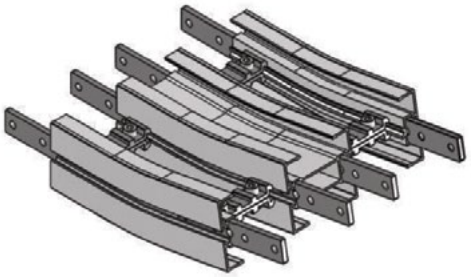


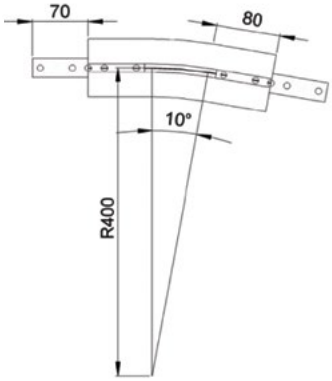
UOM: pc

Chain required 2-way: 0.4 meter

Slide rail required 2-way: 1.2 meter

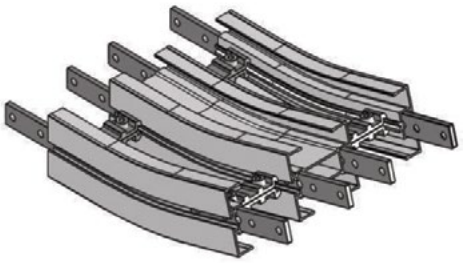
FV Vertical Bend 10° — FVVB-10R400

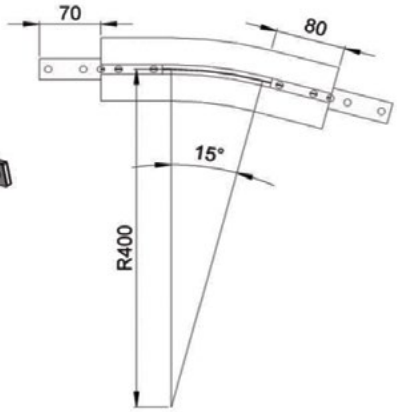




UOM: pc
Chain required 2-way: 0.5 meter
Slide rail required 2-way: 1.4 meter

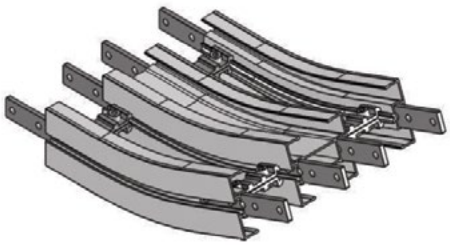
FV Vertical Bend 15° — FVVB-15R400

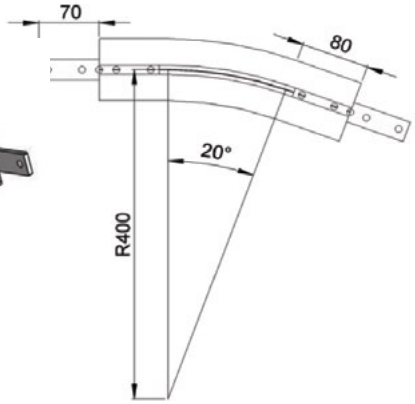




UOM: pc
Chain required 2-way: 0.5 meter
Slide rail required 2-way: 1.6 meter

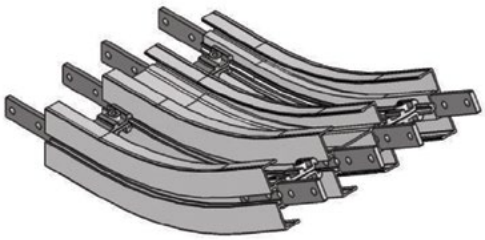
FV Vertical Bend 20° — FVVB-20R400

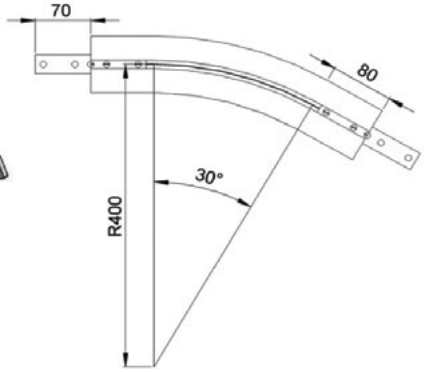




UOM: pc
Chain required 2-way: 0.6 meter
Slide rail required 2-way: 1.8 meter

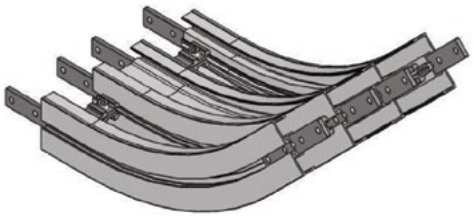
FV Vertical Bend 30° — FVVB-30R400

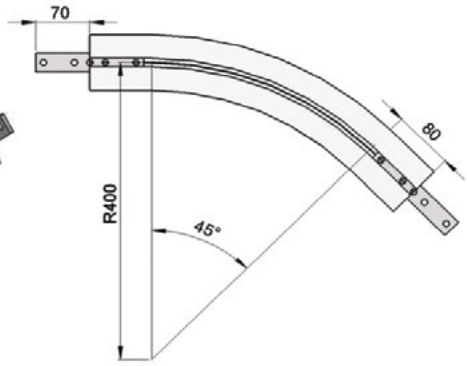




UOM: pc
Chain required 2-way: 0.7 meter
Slide rail required 2-way: 2.2 meter

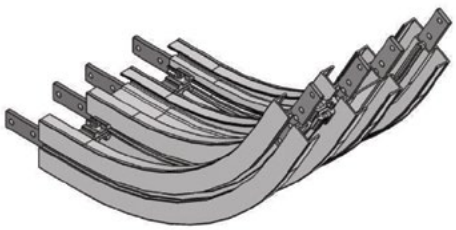
FV Vertical Bend 45° — FVVB-45R400

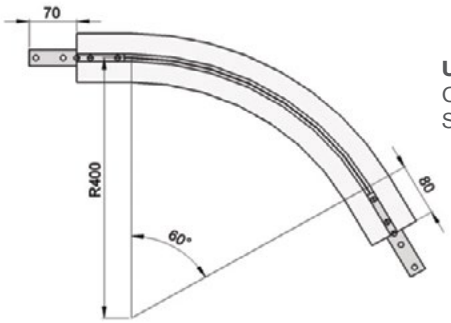




UOM: pc
Chain required 2-way: 0.9 meter
Slide rail required 2-way: 2.8 meter

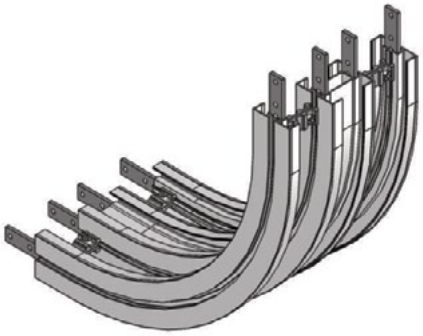
FV Vertical Bend 60° — FVVB-60R400

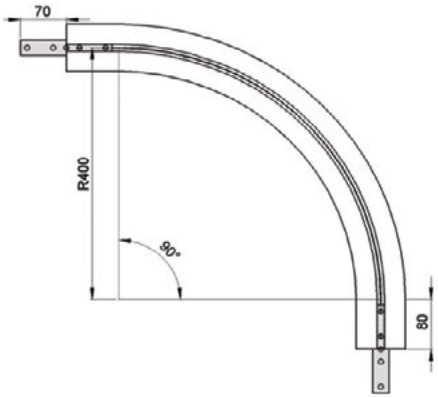




UOM: pc
Chain required 2-way: 1.2 meter
Slide rail required 2-way: 3.5 meter

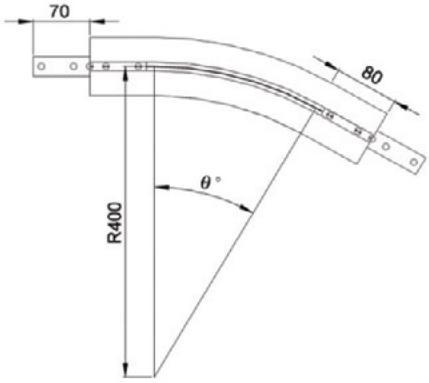
FV Vertical Bend 90° — FVVB-90R400





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, Ø° ± 1°
- FVVB-Ø°R400

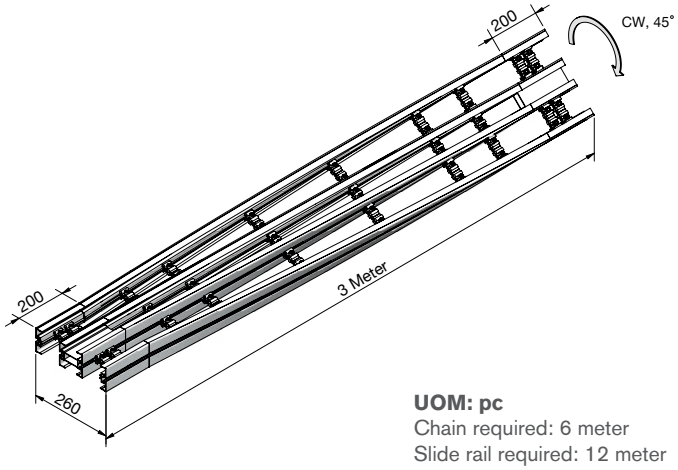
If an angle of 65° is needed for vertical bend, the ordering part number is

FVVB-65R400

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

FV 45 Degree Twist Conveyor Beam **(Clockwise)**

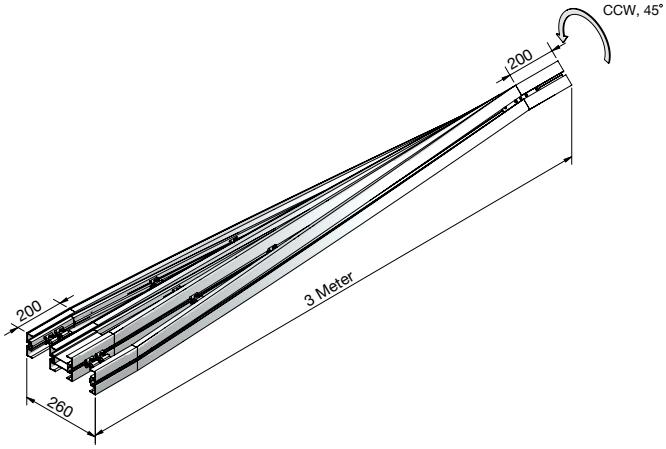
FVTB-CW45x3000



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

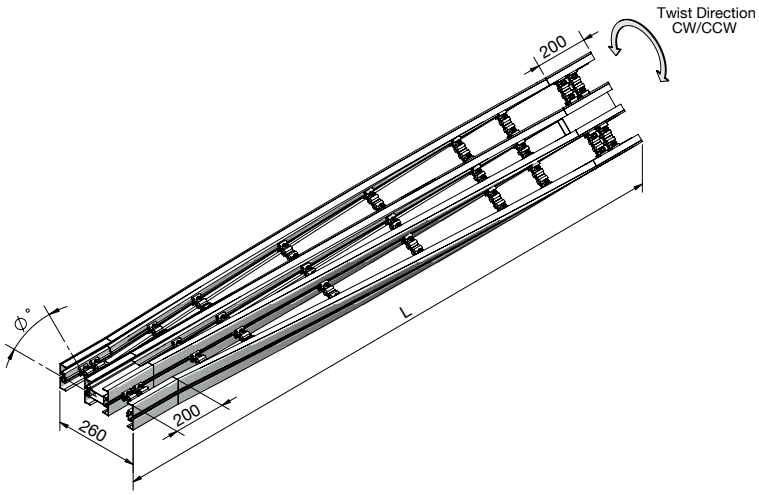
FV 45 Degree Twist Conveyor Beam **(Counter-Clockwise)**

FVTB-CCW45x3000



FV Twist Conveyor Beam 15° - 45°

FVTB-AAABBx3000 **Where AAA = CW or CCW, BB = Angle**



Example for FV Twist Conveyor Beam Ordering

- Twist Conveyor Beam, Ø° ± 5°

If an angle of 30° is needed for twist beam, in clockwise direction and length 2.5 m, the ordering part number is

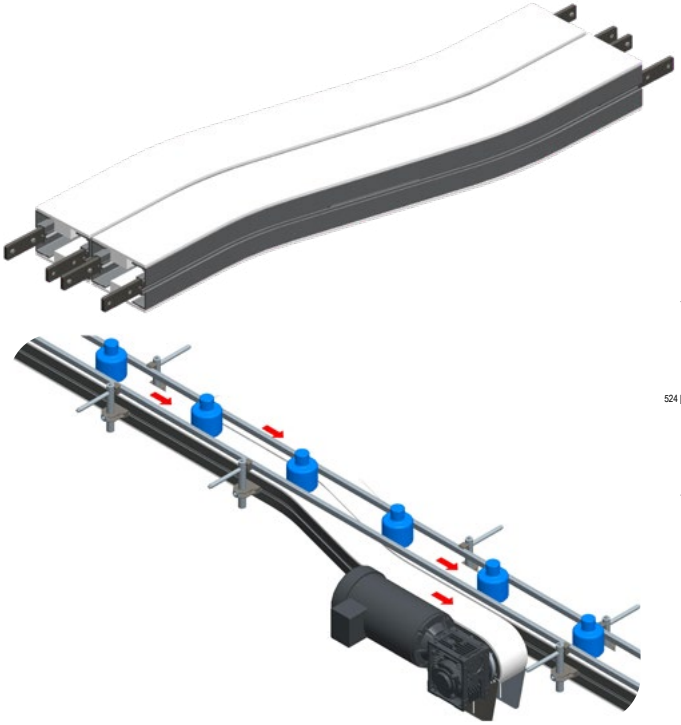
FVTB-CW30x3000

Angle of Ø°, twist direction, and length L, must be indicated when ordering.

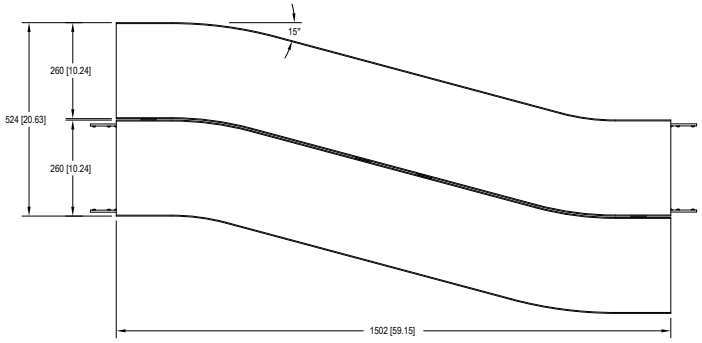
UOM: pc
Chain required: 6 meter
Slide rail required: 12 meter

FV S In-Line Transfer Module

FVST-260



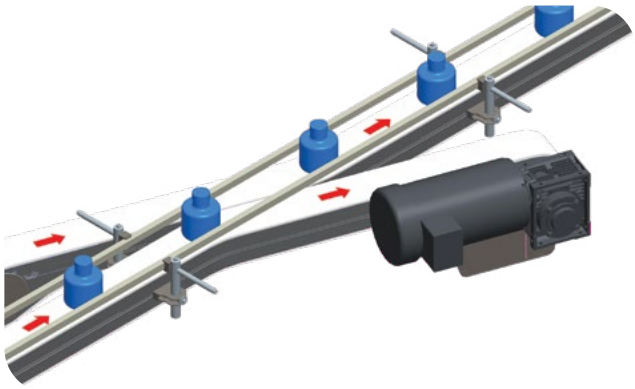
- S In-Line Modules provide a standard, compact way to side transfer product from conveyor to conveyor.
- Straight guiding is placed across the transfer module for smooth In-Line product flow
- Conveyors are mounted together to provide a smooth transfer even for small products
- S In-Line transfers are compact in the width dimension

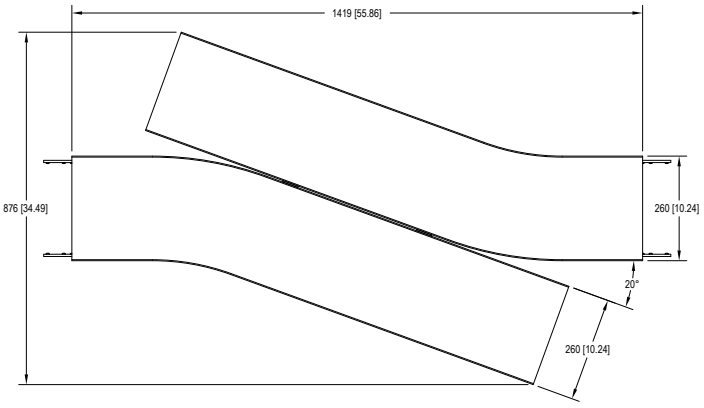


FV X In-Line Transfer Module

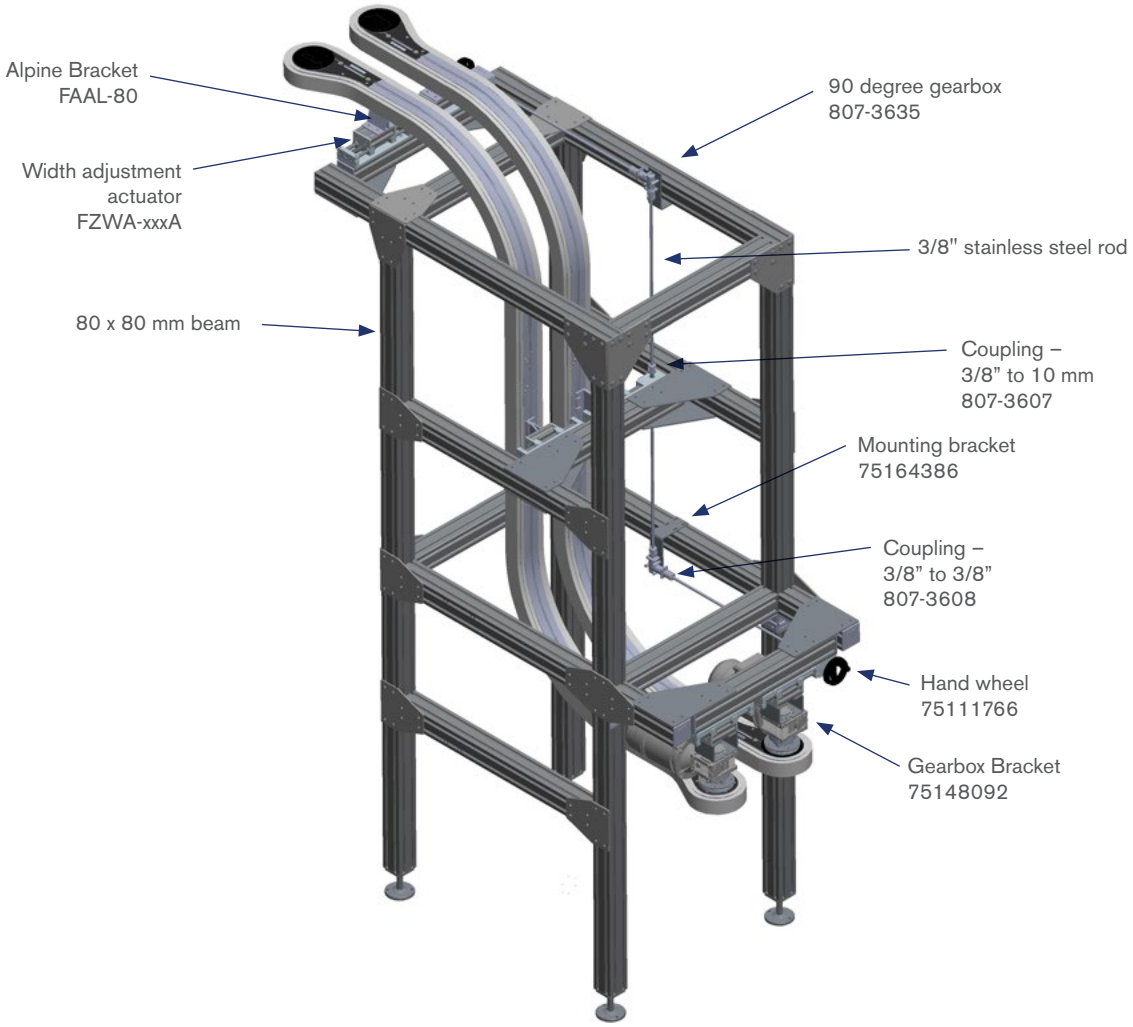
FVXT-260

- X In-Line Modules provide a standard, compact way to side transfer product from conveyor to conveyor.
- Straight guiding is placed across the transfer module for smooth In-Line product flow
- Conveyors are mounted together to provide a smooth transfer even for small products
- X In-Line transfers are compact in the length direction

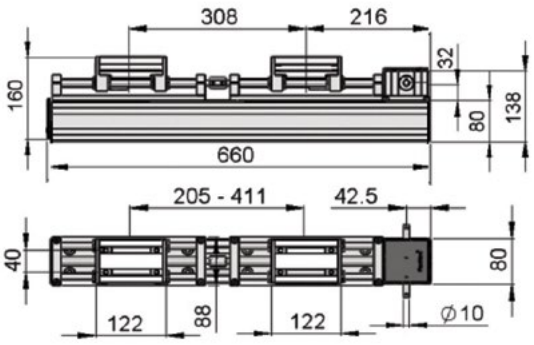




Adjustable Width Wedge Conveyor Components

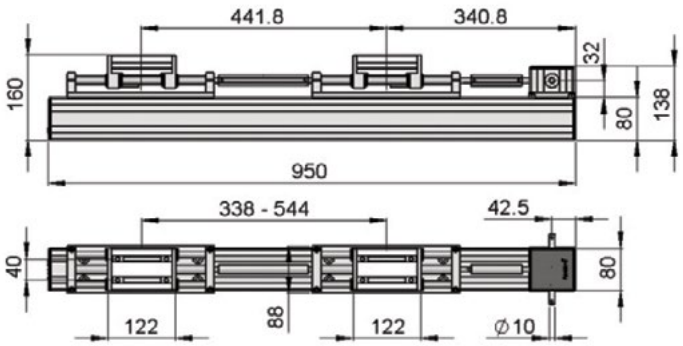


FZWA-660A Width Adjustment Actuator 660 mm



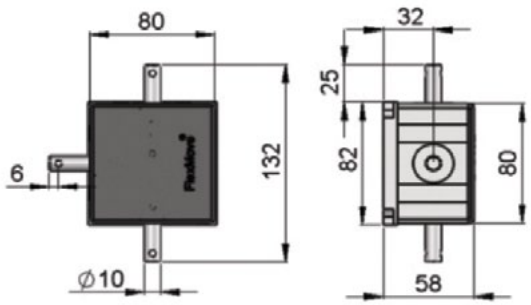
UOM: Unit

FZWA-950A Width Adjustment Actuator 950 mm



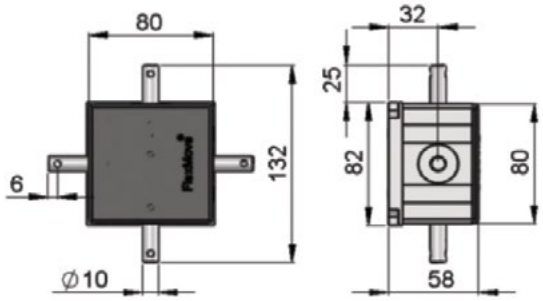
UOM: Unit

FZGB-903 Angle Gear Unit-3 direction



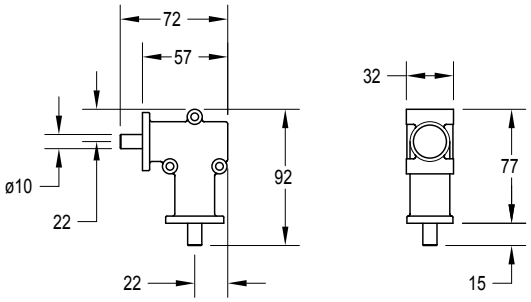
UOM: Unit

FZGB-904 Angle Gear Unit – 4 direction



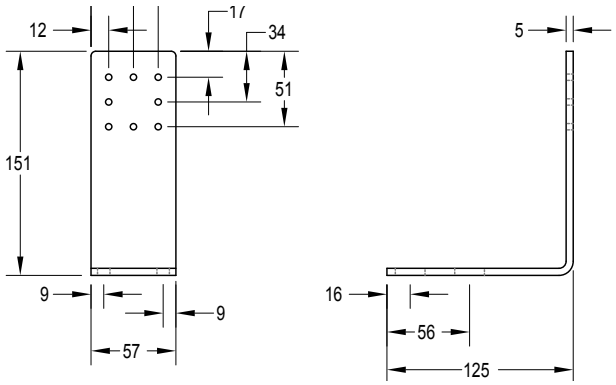
UOM: Unit

807-3635 90° Gearbox



UOM: Unit

75164386 90° Gearbox Mount

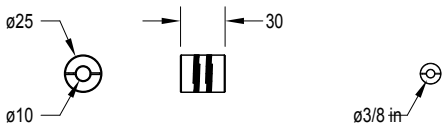


UOM: Unit

807-3609 Couplin 3/8" to 3/8"

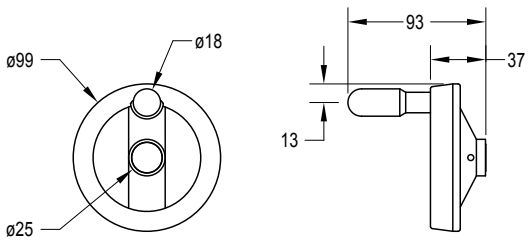
UOM: Unit

807-3607 Coupling 3/8" to 10mm



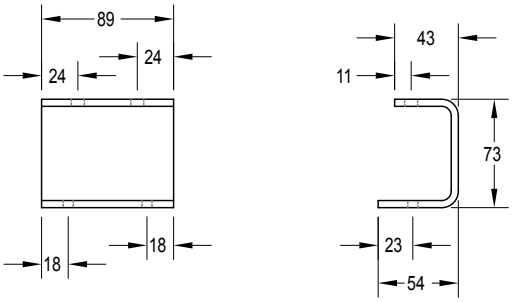
UOM: Unit

75111766 Hand Wheel



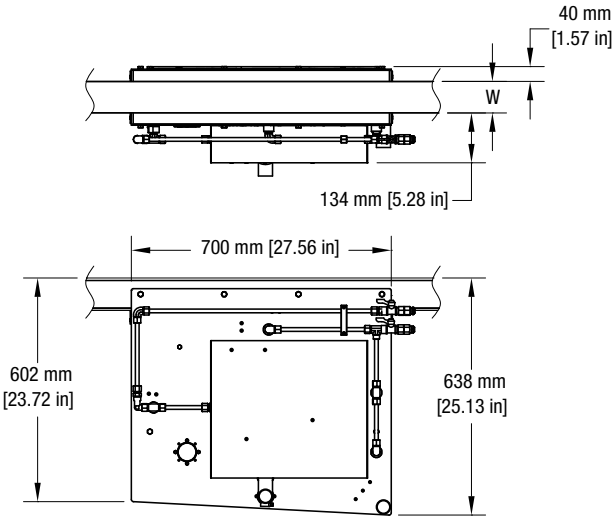
UOM: Unit

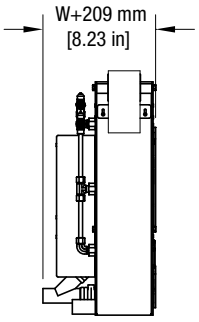
75148092 Conveyor Gearbox Mount



UOM: Unit

CCDW-Sx*





Note: Drive unit and idler selection to be consult upon ordering. Dorner reserves the right to make alteration without prior notification. Every care has been taken to ensure the accuracy of the information contained in this catalogue, but no liability can be accepted for any error or omissions

Wet Cleaning Module

- Wet Cleaning Module provides continuous cleaning of conveyor chain for applications with liquid or product overfill or package breakage
- Water jets spray outside and inside of the conveyors chain
- Series Driven Brush scrubs top and bottom surface of chain
- Air knifes blow off water from chain
- Vacuum draws away excess water
- Designed to run continuously in production line
- Allows for longer, cleaner production runs with less overall maintenance
- Clean design with minimal area for dirt and debris to accumulate
- Fully encased components with cover designed for worker safety
- Completely mechanical, does not require electrical components, programming or secondary motor

Features

- Available on FlexMove Stainless Steel Conveyors, SS (65 mm) and SM (85 mm)
- Size Requirement: 700 mm (L) x 700 mm (H)
- Minimum top of chain height: 750 mm (29.5 in)
- Maximum conveyor length: 4.5 m (14.8 ft)
- Maximum conveyor speed: 50 m/min (164 ft/min)

Dimensions and Operation Requirements

Water Supply

- Connection 3/8 in NPT
- Normal operating pressure 0.98MPa. (140 psi)
- Flow rate required: ~13 litre/min (0.5 CFM)

Air Supply

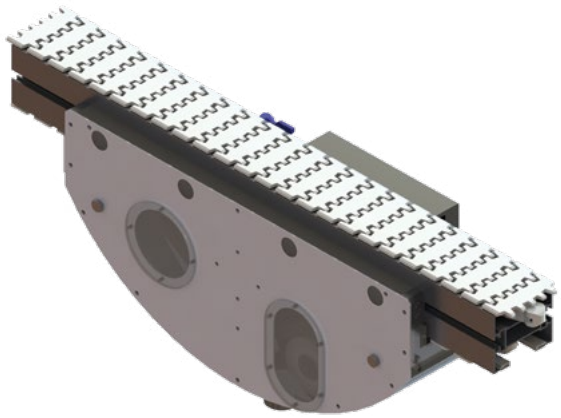
- Connection: 8 mm tubing
- Air pressure required: 0.69 MPa (100 PSI)

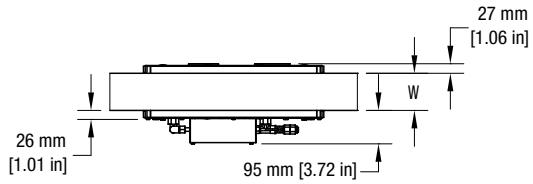
Drying Vacuum

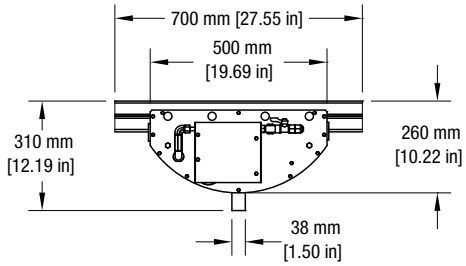
- Vacuum attachment: OD Ø38 mm, ID Ø34 mm pipe.
- Vacuum airflow required: ~56 litre/s (120 CFM), typical commercial grade wet/dry vacuum is acceptable

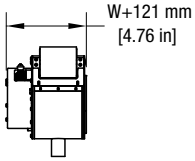
*Where Sx = Conveyor series (limit to SS & SM)

CCD-Fx*









Dry Cleaning Module

- Dry Cleaning Module provides continuous cleaning of conveyor chain for dry applications with powder, dust or other dry contaminates
- Series Driven Rotary Brush scrubs chain surface, compressed air blows off particles, and vacuum extracts dust
- Designed to run continuously in production line
- Allows for longer, cleaner production runs with less overall maintenance
- Clean design with minimal area for dirt and debris to accumulate
- Fully encased components with cover designed for worker safety
- Completely mechanical, does not require electrical components, programming or secondary motor

Features

- Available on FlexMove Aluminum Conveyors, FS (65 mm), FM (85 mm) and FC (150 mm)
- Size Requirement: 700 mm (L) x 300 mm (H)
- Minimum top of chain height: 250 mm (13.8 in)
- Maximum conveyor length: 4.5 m (14.8 ft)
- Maximum conveyor speed: 50 m/min (164 ft/min)

Dimensions and Operation Requirements

Air Supply

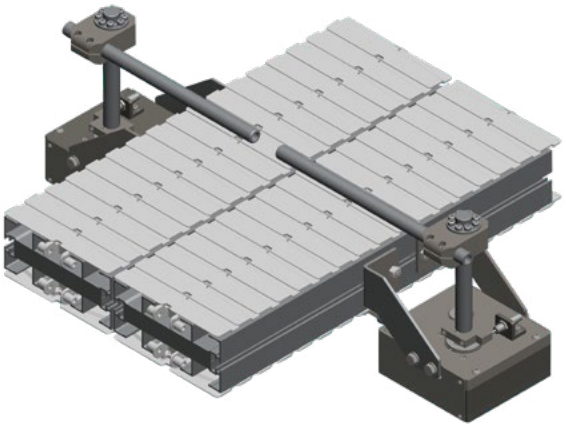
- Incoming tubing size: M8
- Normal operating pressure 0.69 MPa (100 PSI)

Drying Vacuum

- Vacuum attachment: OD Ø38 mm, ID Ø34 mm pipe
- Vacuum airflow required: ~56 litre/s (120 CFM)
- Typical commercial grade vacuum is acceptable

*Where Fx = Conveyor series (limit to FS, FM, FC & FU)

FZTC-SA-Wxxx*

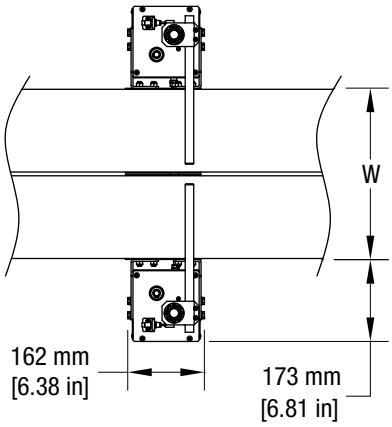


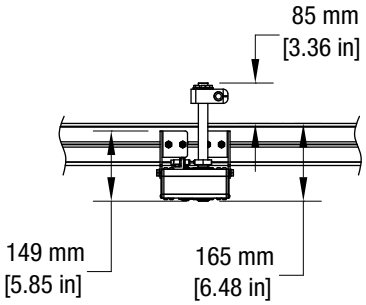
Side Acting Merge Module

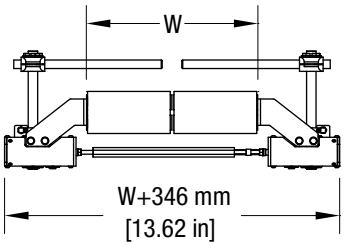
- Two-to-one lane merging without the need for control logic
- First in, first out style merge
- Opposite lane will proceed once the first lane exits or large product gap exists
- Activate arm is adjustable in both height and length
- Completely mechanical design, does not require electrical components, programming or air
- Easily modify the force required to activate the divert arm
- Designed for operator safety, no guarding required

Features

- Available on FlexMove Aluminium Conveyors, FS (65 mm), FM (85 mm), FC (105 mm), FL (150 mm), FU (180 mm) and FV (260 mm)
- Product must be able to withstand some back pressure
- Side Acting Merger is not suitable for high speed applications
- Min. Single Product Weight: 0.5 kg
- Max. Single Product Weight: 15 kg
- Max. Product Accumulation Weight: Up to 45 kg







*Where xxx = total width of merge area

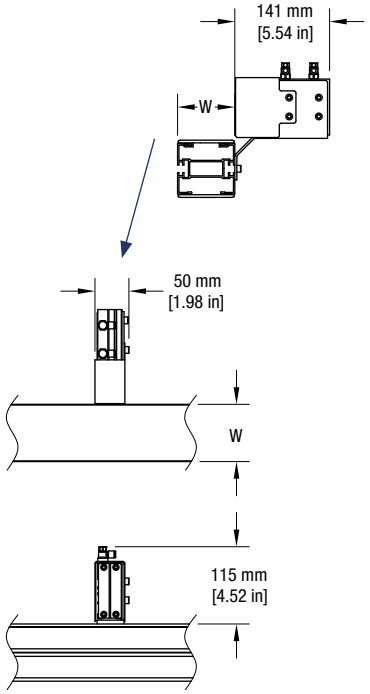
Puck Stop Module

- Pneumatic stop for pacing pucks or packages
- Two Models:
  - Vertical Blade Stop; used in pairs as an alternating escapement for pacing round or rounded edge rectangular pucks
  - Horizontal Squeeze Stop; used in combination with Vertical Blade Stop for pacing product without rounded edges. Product must be able to withstand side squeeze pressure
- Compatible with round or rectangular bottles, containers or pucks
- UHMW face for non-marking contact surface
- Includes flow controls with push-in air line connection
- Requires photo sensors, pneumatic solenoid valves, wiring and programming
- Rate depends on product size. Contact factory for details

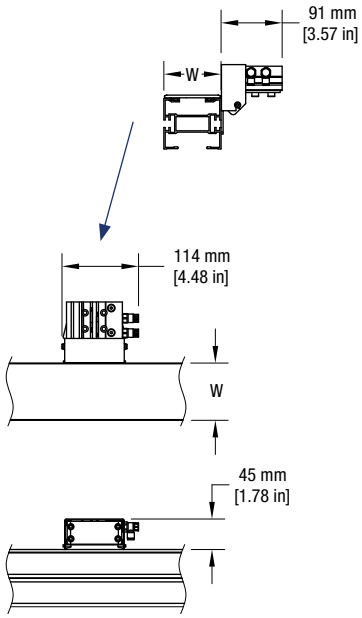
Features

- Available on FlexMove Aluminum Conveyors, FS (65 mm), FM (85 mm), FC (105 mm), FL (150 mm), FU (180 mm), and FV (260 mm)
- Max. single product weight: 2.3 kg (5 lbs)
- Max. product accumulation weight: 13.6 kg (30 lbs)
- Max. conveyor speed: 50 m/min (164 ft/min)
- Produces gap of approximately one product length

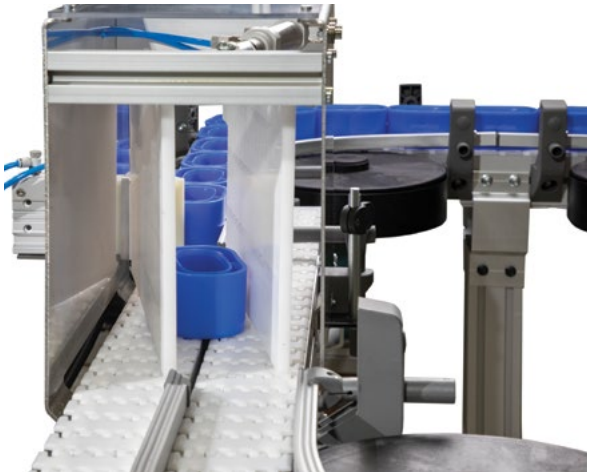
Vertical Blade
Part Number: 208169



Horizontal Squeeze
Part Number: 208161



208162

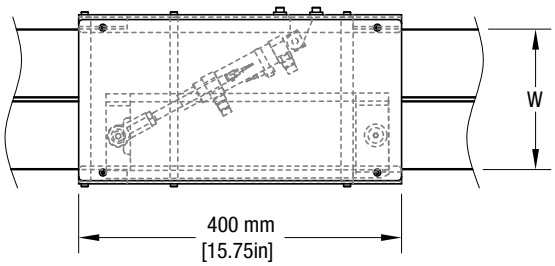


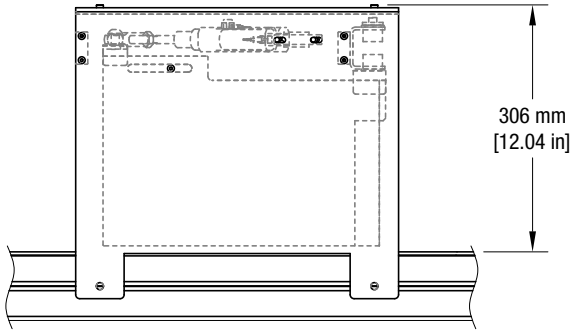
Puck/Package Divert Module

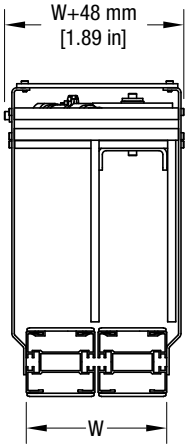
- Pneumatic one-to-two lane diverter
- Compatible with round or rectangular packages or pucks
- Product can run back to back or paced for individual product divert
- UHMW divert arms for non-marking divert surface
- Includes flow controls with push-in air line connection
- Requires photo sensors, pneumatic solenoid valves, wiring and programming
- Rate depends on product size and desired flow. Contact factory for details.

Features

- Available on FlexMove Aluminium Conveyors, FS (65 mm), FM (85 mm), FC (105 mm), FL (150 mm), FU (180 mm) and FV (260 mm)
- Product must be able to stand unsupported
- Min. single product weight: 0.2 kg (0.45 lbs)
- Max. single product weight: 5 kg (11 lbs)
- Max. product height: 150 mm (5.9 in)
- Max. product width: chain width (example: FM 85 mm)



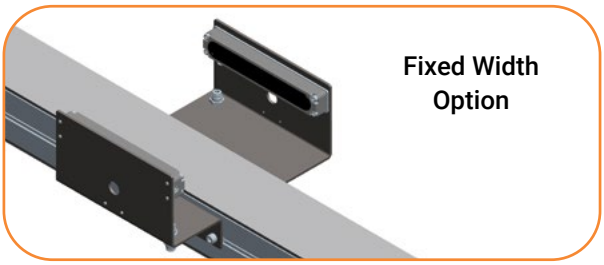




Part Number: 208162 for FM Series. Contact factory for other sizes.

Product dimensions shown for FM Series conveyors. Contact factory for other conveyor series.

Clamping Module



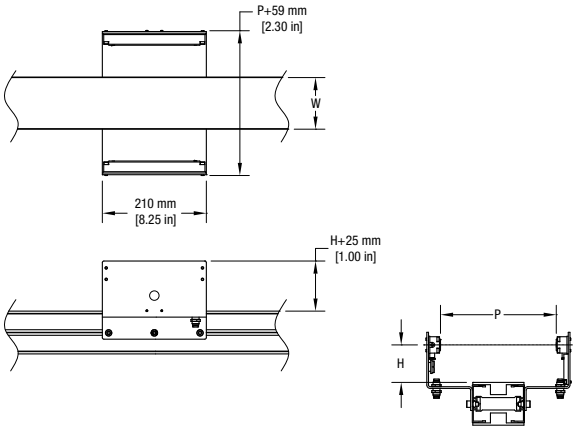
Fixed Width Option

Adjustable Width Option

Clamping Module

- Pneumatic clamping actuator, mounted on both sides of the conveyor, holds back and paces product
- Ability to pace products back to back
- Ideal for totes, boxes, bottles and square, round, and rectangular containers
- Product must be able to withstand some back pressure and squeezing force
- Requires photo sensors, pneumatic solenoid valves, wiring, and programming
- Rate depends on product size. Contact factory for details

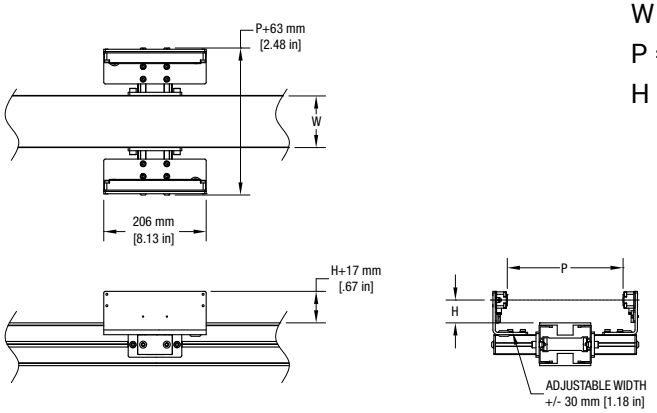
Fixed Width Option



Features

- Available on FlexMove Aluminum Conveyors, FS (65 mm), FM (85 mm), FC (105 mm), FL (150 mm), FU (180 mm), and FV (260 mm)
- Max. single product weight: 2.3 Kg (5 lbs.)
- Max. product accumulation weight: 13.6 Kg (30 lbs.)
- Specify product width at time of ordering
- Specify centerline of clamping actuator above conveyor chain at time of ordering
- Max. conveyor speed: 50 m/min (164 ft/min)
- Produces gap of approximately one product length
- Includes mounting for photo sensor with 18 mm barrel

Adjustable Width Option



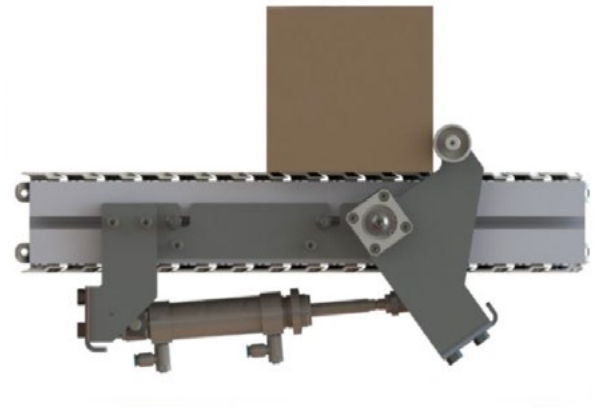
Specify at time of order:

W = conveyor width

P = product width

H = centerline of clamping actuator above conveyor chain

PUS-xx*



Popup Stop Module

- The wide pop-up stopper unit are developed to stop product movement which is wider than conveyor width.

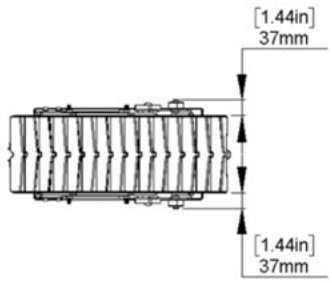
Features

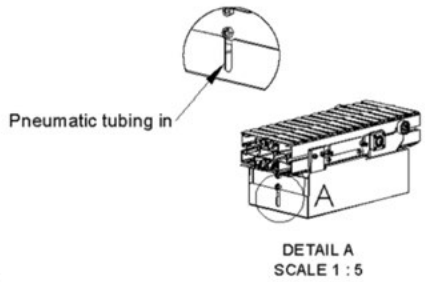
- Supported accumulation load: Up to 60kg.
- Maximum conveyor speed: up to 40m/min.
- Available for conveyor width: 45mm, 65mm, 85mm,105mm,150mm,180mm & 260mm.
- Best work with FlexMove plain chain.
- Using pneumatic system.
- Can be used as product spacer.
- Can be operate without sensor.
- Low maintenance.

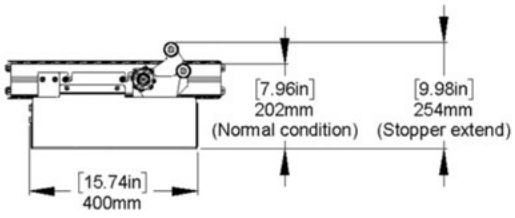
Specification

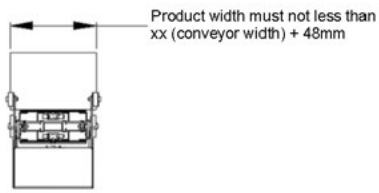
- Ø6mm tubing speed controller
- Operating air pressure range: 0.5~0.6MPa
- Air consumption: 0.01m3 per minute

(Calculation based on tubing length of 1.5m & Number of cycles of 180 times per hour)









*Where xx = conveyor series (limit to FK, FS,FM,FC,FL,FU & FV)

Note: Solenoid valve optional.

Helical Plain Bend Conveyors

Helical Plain Bend 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 buffering in corners
- Ideal for incline or decline in tight spaces

Patented Chain Design

Features

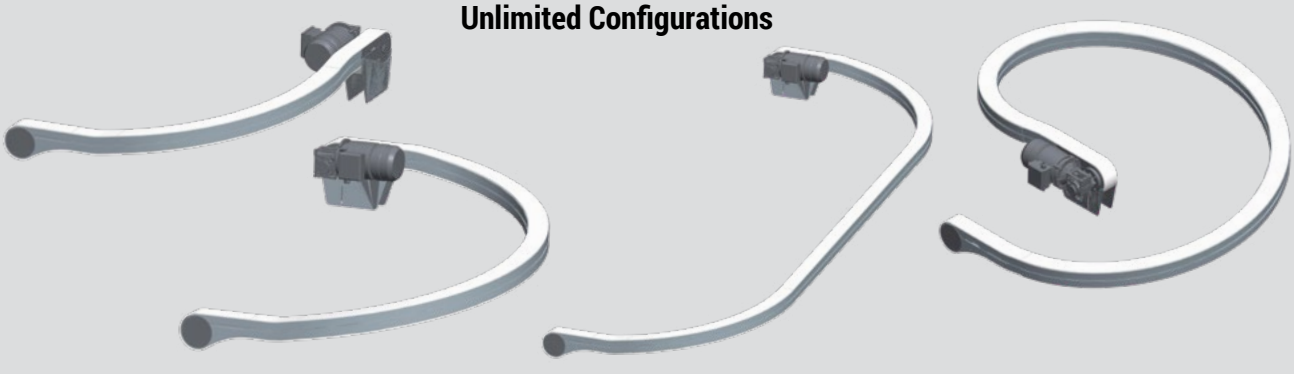
- Available on FlexMove Aluminum Conveyors: FS (65 mm), FM (85 mm), FC (105 mm), FL (150 mm), FU (180 mm) and FV (260 mm)
- Minimum 500 mm radius helical bend corner
- Corner Angles: 45, 90, 135, 180, 225, 270 and 360 degrees
- Incline and decline angles up to 12 degrees
  - Plain chain is capable of incline / decline angles up to 7 degrees
  - Friction top chain is recommended for angles of 7 to 12 degrees

Chain Types

- (2) Conveyor Chain types for maximum capability; Bearing Chain and Non-Bearing Chain

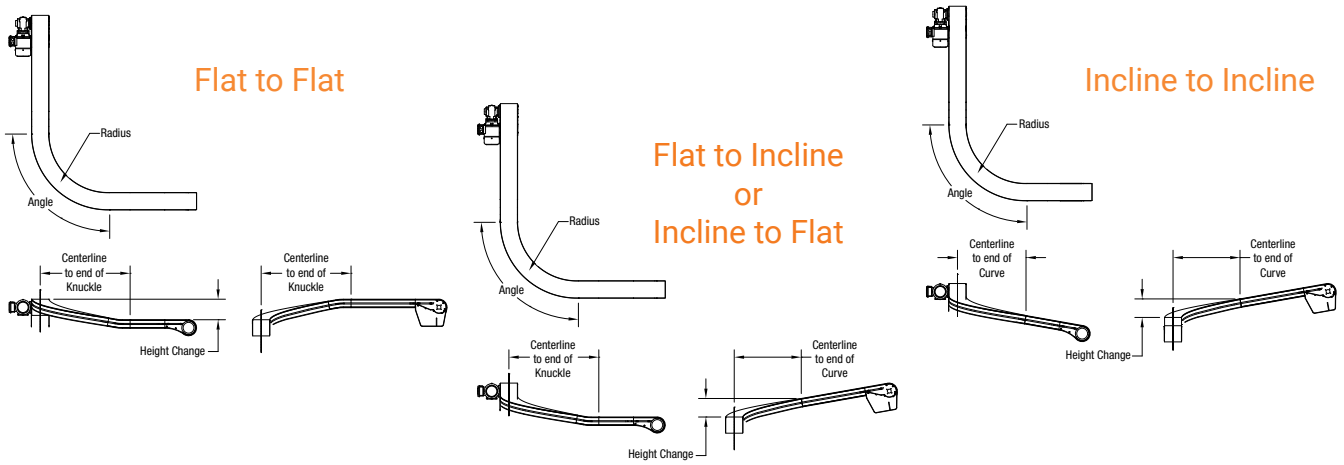
	Bearing Chain	Non-Bearing Chain
Conveyor Widths	85,180, 260 mm	65, 85, 105, 150, 180 and 260 mm
Maximum curves	Up to 4 curves	Up to 2 curves
Maximum angle	A total of 720 degrees	A total of 360 degrees
Maximum length	21.3 m (70 ft)	12.2 m (40 ft)
Maximum speed	Up to 55/min (180 ft/min)	Up to 55 m/min (180 ft/min)
Load Capacity	136 kg (300 lbs)	136 kg (300 lbs)

Unlimited Configurations

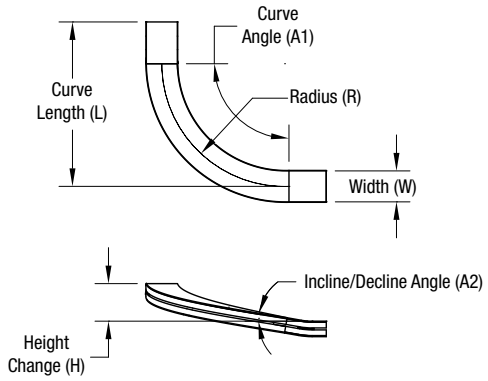


Helical Plain Bend Conveyors

Curve Layout Options:



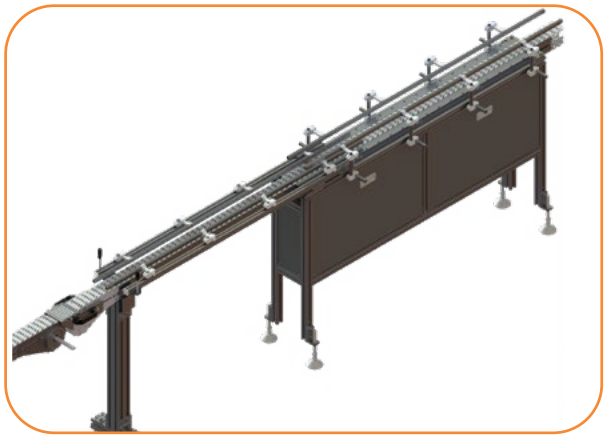
Dimensions



W* = 65, 85, 105, 150, 180, 260
R = 500, 700, 1000 mm
A1 = 45 to 360 degrees
A2 = 3 to 12 degrees
H = Configuration dependent, contact factory
L = Configuration dependent, contact factory

* Bearing chain in 85, 180, and 260 mm widths only

Retractable Conveyor



Retractable Conveyor

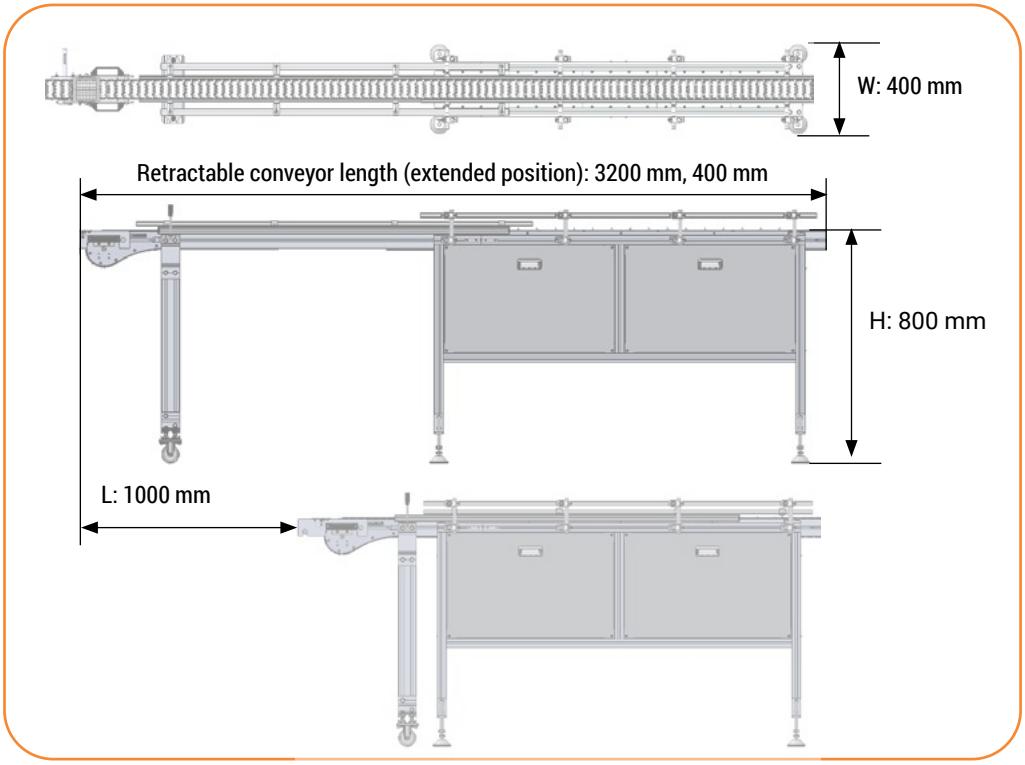
Retractable conveyors are an excellent solution for production floors with limited space, as they can provide up to 1 meter of clearance when retracted. This design maximizes efficiency by creating temporary open areas for workers or equipment to pass through without compromising the overall conveyor system layout. Their flexibility makes them ideal for optimizing workflows in compact production environments.

Features & Specification

- Available in FlexMove Aluminum Conveyors: FS (65 mm), FM (85mm), FC (105mm)
- Retractable conveyor length (extended position): 3200 mm
- Width (W): 400 mm
- Minimum conveyor height (H): 800 mm
- Conveyor retracting length (L): 1000mm
- Conveyor running speed: Up to 50 m/min
- Maximum product width: Conveyor width +50 mm
- Recommended total conveyor length: up to 10 m

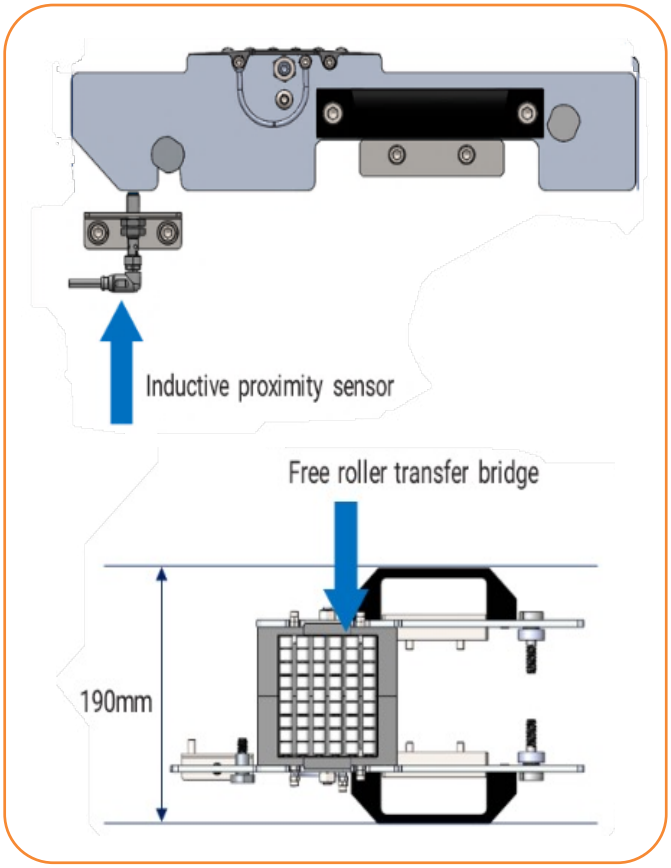
Part Number
FZRC**xx**-H**hhhh**-**zz**
Where
xx = Conveyor series (**FS**: 65mm, **FM**: 85mm, **FC**: 105mm)
hhhh = Conveyor height (Min **800**mm, Max **1200**mm)
zz = Transfer Unit (**01**: End transfer, **02**: Side transfer, **03**: Side transfer FX)

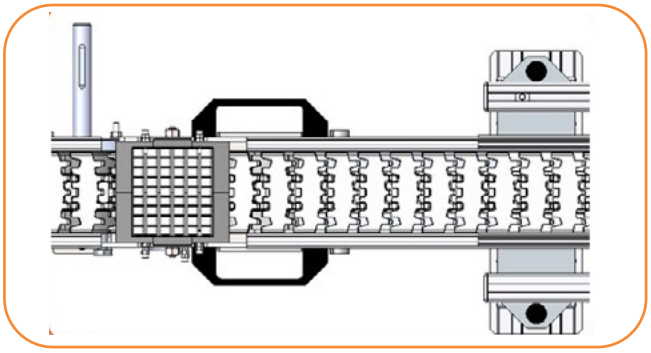
Example: FZRCFM-H0900-02

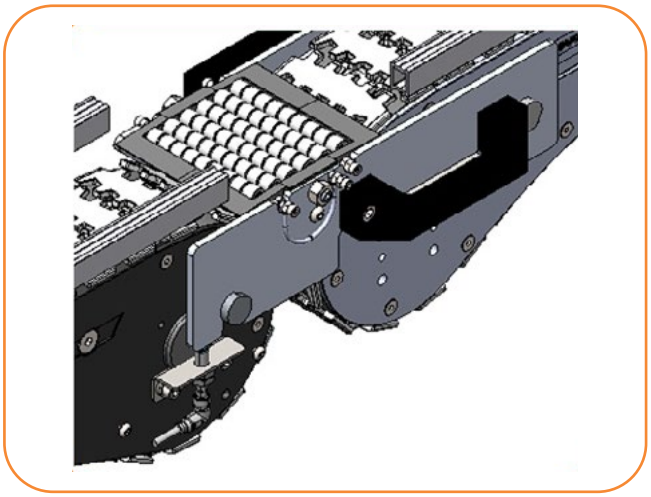


Note: Side guide and conveyor chain are not included. Only plain chain is suitable for the conveyor. The conveyor requires at least 8 meters of chain to fill the whole track. The conveyor is not recommended for product accumulation.

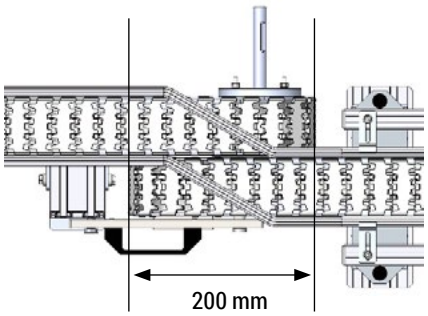
End Transfer (Valid only for conveyors within the same series)

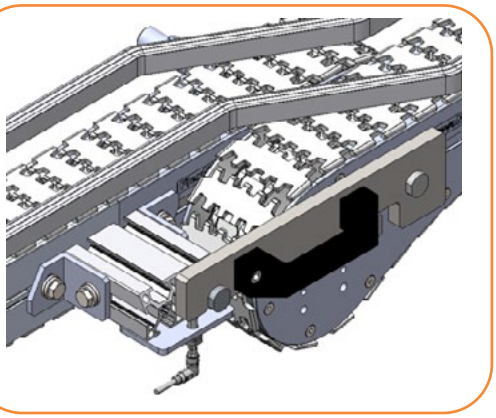


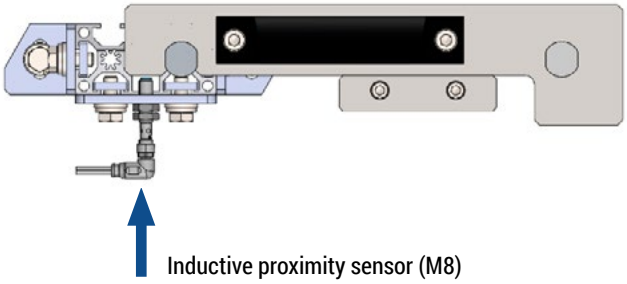


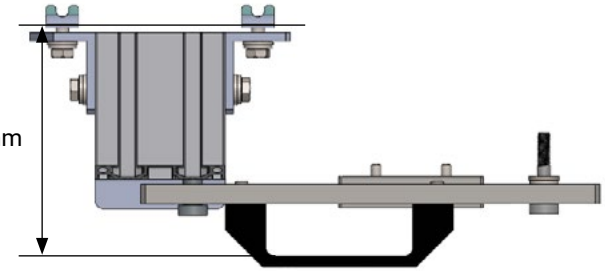


Side Transfer (Transfer with FK, FS, FM, FC, FL, FU, FV series conveyor)

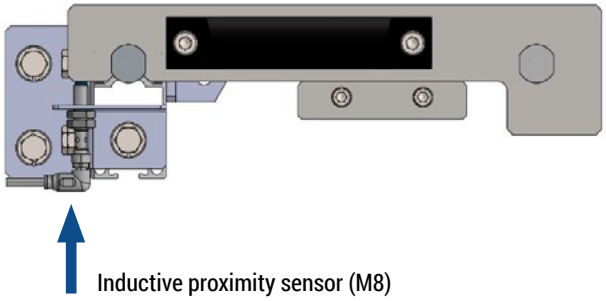


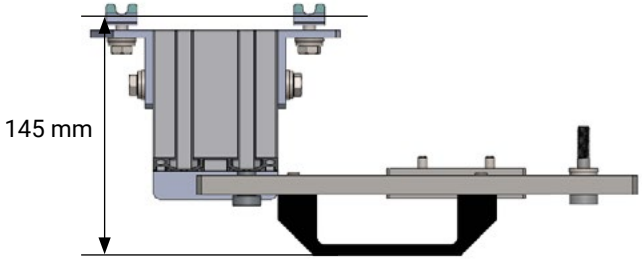


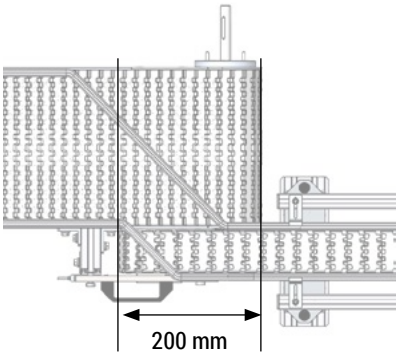


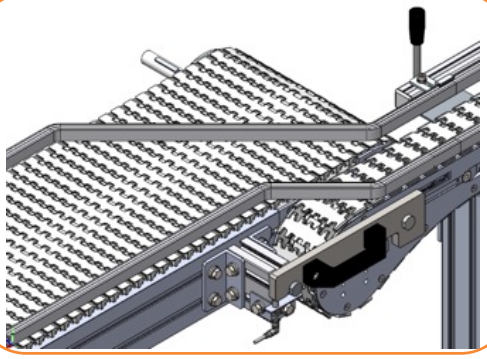


Side Transfer FX (Transfer with FX series conveyor)



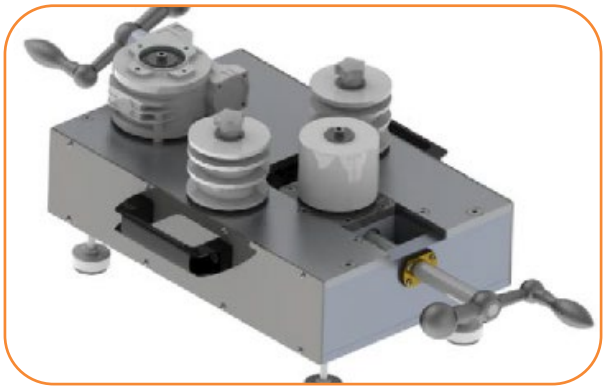


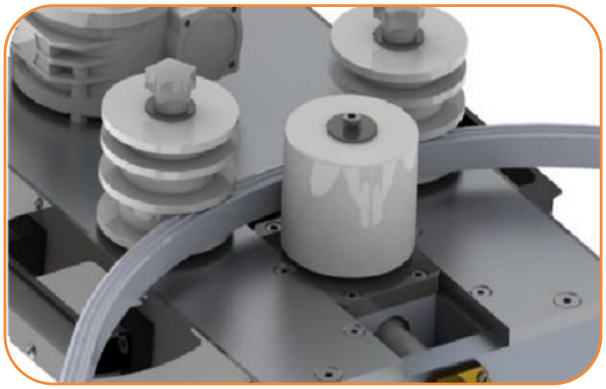




Note: For side transfer, opening section is estimated to reduce about 200mm. The actual reduced length is subjected to side transfer guide design. Dimension shown above for FM series.

Manual Side Guide Bending Unit FY-MSBU





Manual Side Guide Bending Unit

Introducing the go-to companion for on-site installation and modification tasks – our Manual Side Guide Bending Unit. Engineered for the convenience of professionals on the move, this compact tool is designed to make your bending tasks easier and more efficient during on-site projects.

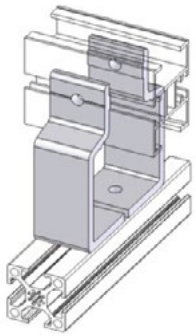
Features

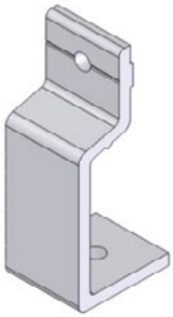
- Portability: A compact and lightweight design ensures effortless transport to any worksite, saving time and effort.
- On-Site Flexibility: Tailored for on-site side guide installation and modification tasks, eliminating the need for costly off-site bending.
- Approximate Angle Bending: Designed for quick and convenient angle without the need for precision tools.
- User-Friendly Operation: Intuitive controls and ergonomic design make bending rail angles a breeze for all skill levels.
- Time-Efficient: Reduces downtime during installation and maintenance, increasing overall project efficiency.

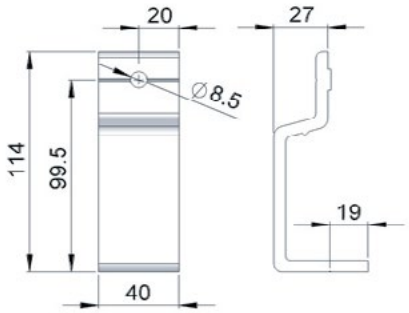
Specifications & Dimension

- Operating Mechanism: Manual hand crank
- Sizes: 256 mm x 690 mm x 254 mm (W)x(L)x(H)
- Weight: 28kg Material Compatibility: FGRR-10x20 and FGRR-15x20

FAHBS-40 Horizontal beam support bracket - Aluminum



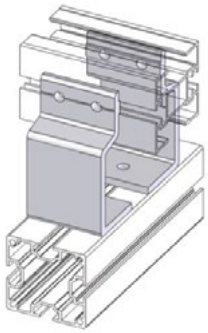


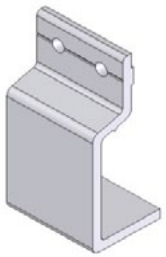


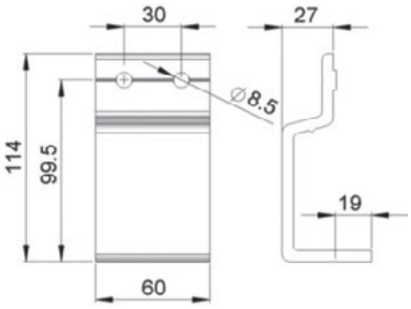
UOM: pc
For 40 mm horizontal crossing support beam

Mounting: FATB-20(1) , FALN-M8(1) , FAHB-M8 x16(1) , FASN-M8(1) , FAFW-M8 (2)

FAHBS-60 Horizontal beam support bracket - Aluminum



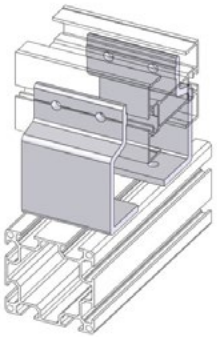


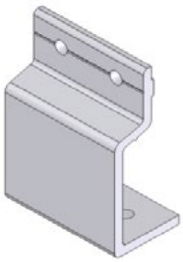


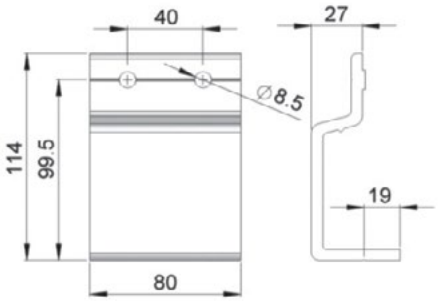
UOM: pc
For 64 mm horizontal crossing support beam

Mounting: FATB-20(2) , FALN-M8(2), FAHB-M8 x16(1) , FASN-M8(1) , FAFW-M8 (3)

FAHBS-80 Horizontal beam support bracket - Aluminum



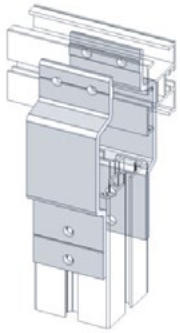


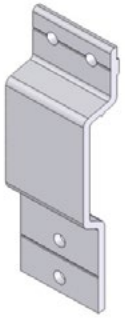


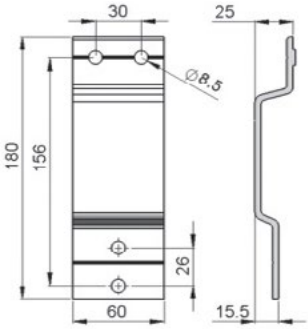
UOM: pc
For 80 mm horizontal crossing support beam

Mounting: FATB-20(2) , FALN-M8(2), FAHB-M8 x16(2) , FASN-M8(2) , FAFW-M8 (4)

FAVBS-60K Vertical beam support bracket - Aluminum





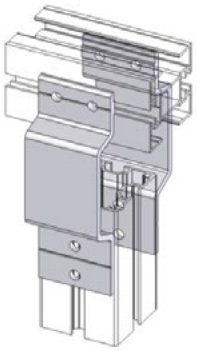


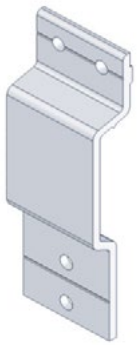
UOM: pc
For FK conveyor with 64 mm vertical support beam

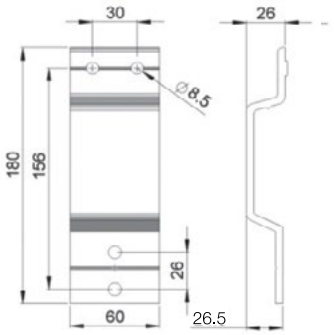
Mounting: FATB-20(2) , FALN-M8(2) , FAHB-M8 x16(2) , FASN-M8(2) , FAFW-M8 (4)

FAVBS-60S

Vertical beam support bracket - Aluminum





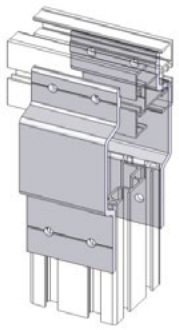


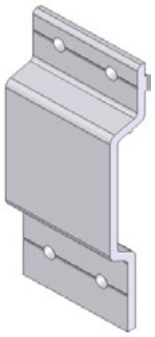
UOM: pc
For FS conveyor with 64 mm vertical beam support

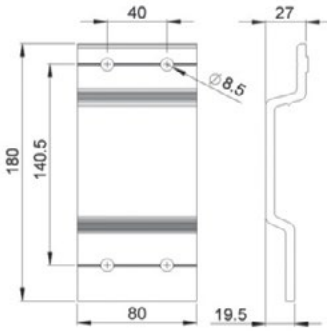
Mounting: FATB-20(2) , FALN-M8(2) , FAHB-M8 x16(2) , FASN-M8(2) , FAFW-M8 (4)

FAVBS-80S

Vertical beam support bracket - Aluminum





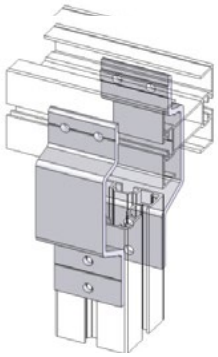


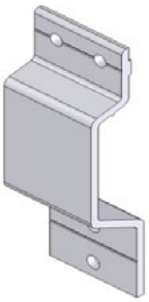
UOM: pc
For FS conveyor with 80 mm vertical beam support

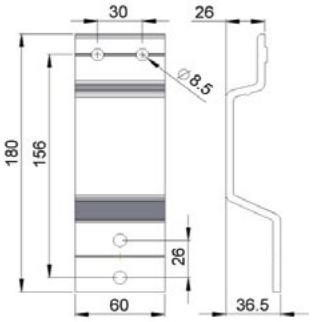
Mounting: FATB-20(2) , FALN-M8(2) , FAHB-M8 x16(2) , FASN-M8(2) , FAFW-M8 (4)

FAVBS-60M

Vertical beam support bracket - Aluminum





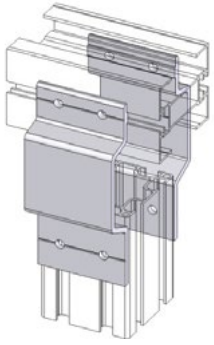


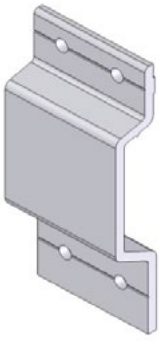
UOM: pc
For FM conveyor with 64 mm vertical support beam

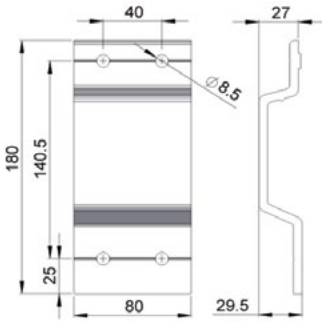
Mounting: FATB-20(2) , FALN-M8(2) , FAHB-M8 x16(2) , FASN-M8(2) , FAFW-M8 (4)

FAVBS-80M

Vertical beam support bracket - Aluminum





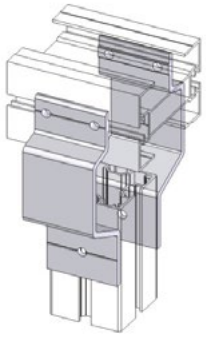


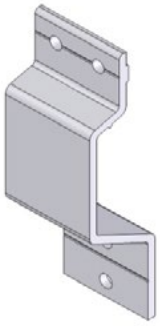
UOM: pc
For FM conveyor with 80 mm vertical beam support

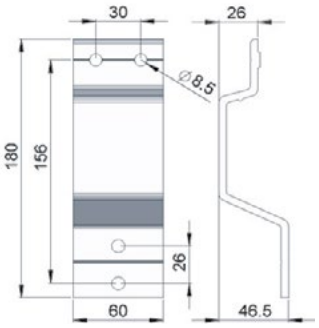
Mounting: FATB-20(2) , FALN-M8(2) , FAHB-M8 x16(2) , FASN-M8(2) , FAFW-M8 (4)

FAVBS-60C

Vertical beam support bracket - Aluminum





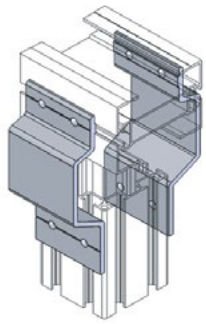


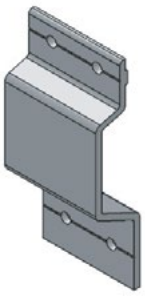
UOM: pc
For FC conveyor with 64 mm vertical beam support

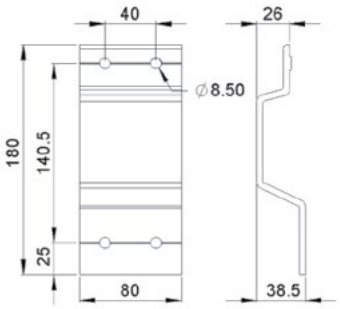
Mounting: FATB-20(2) , FALN-M8(2) , FAHB-M8 x16(2) , FASN-M8(2) , FAFW-M8 (4)

FAVBS-80C

Vertical beam support bracket - Aluminum





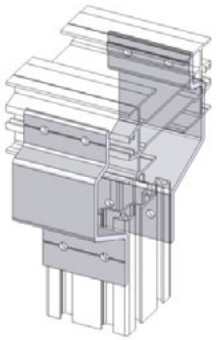


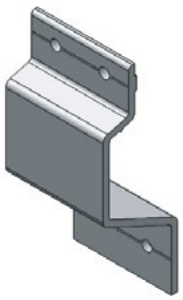
UOM: pc
For FC conveyor with 80 mm vertical beam support

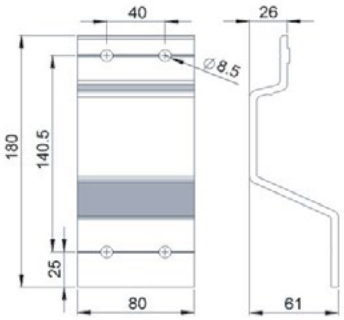
Mounting: FATB-20(2) , FALN-M8(2) , FAHB-M8 x16(2) , FASN-M8(2) , FAFW-M8 (4)

FAVBS-80L

Vertical beam support bracket - Aluminum





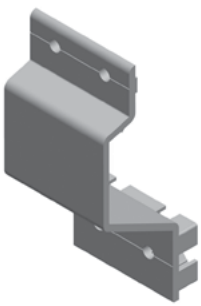


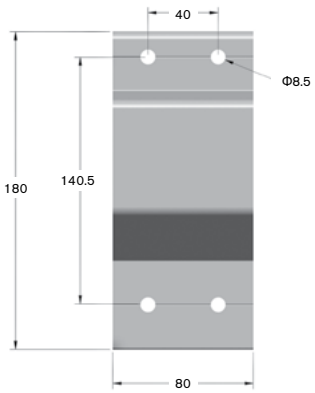
UOM: pc
For FL conveyor with 80 mm vertical beam support

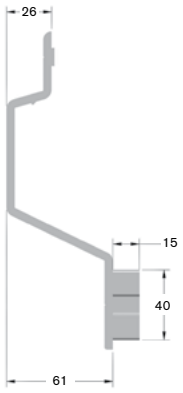
Mounting: FATB-20(2) , FALN-M8(2) , FAHB-M8 x16(2) , FASN-M8(2) , FAFW-M8 (4)

FAVBS-80U

Vertical beam support bracket



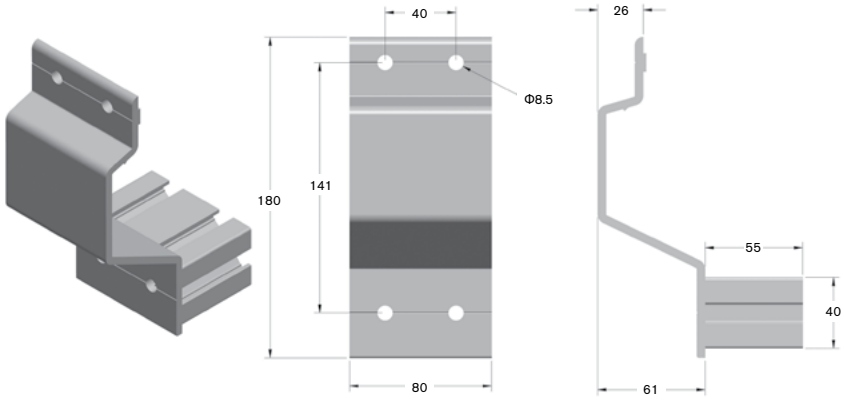




UOM: pc
For FU conveyor with 80 mm vertical beam support

Mounting: FATB-20(2) , FALN-M8(2) , FAFW-M8 (2)

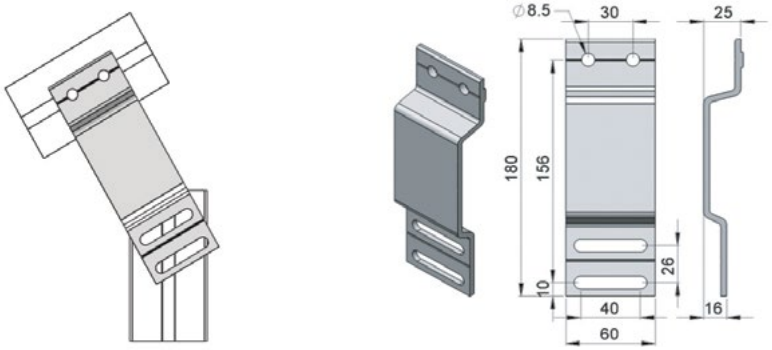
FAVBS-80V — Vertical beam support bracket



UOM: pc
For FV conveyor with 80 mm vertical beam support

Mounting: FATB-20(2) , FALN-M8(2) , FAFW-M8 (2)

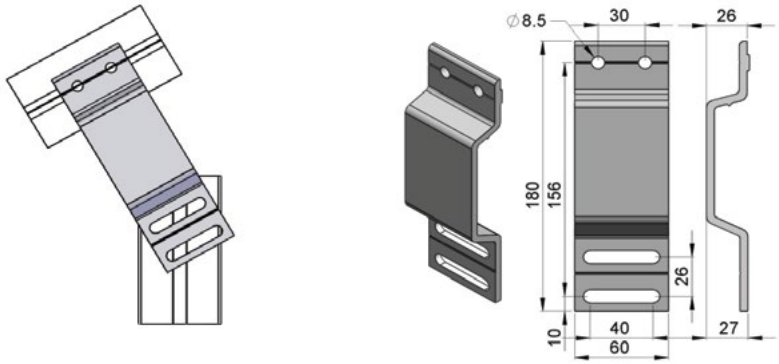
FAVBS-60KV — Vertical beam support bracket with slot - Aluminum



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)

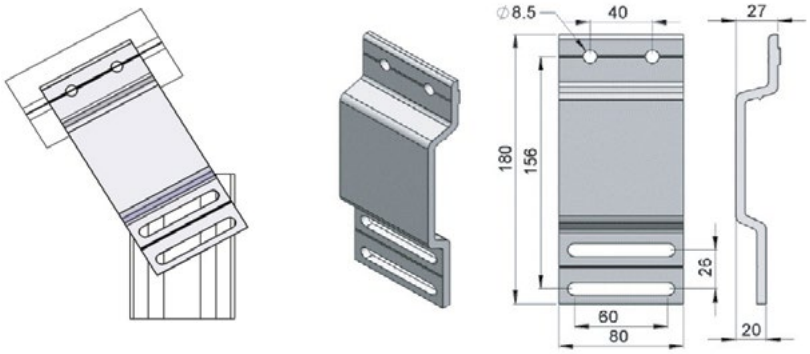
FAVBS-60SV — Vertical beam support bracket with slot - Aluminum



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

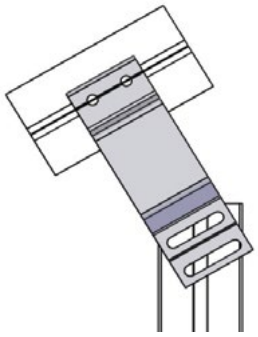


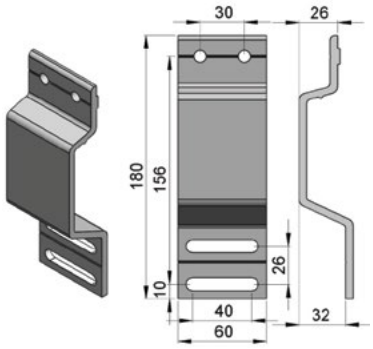
UOM: pc
For FS conveyor with 80 mm vertical beam support

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



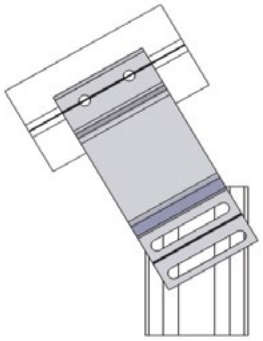


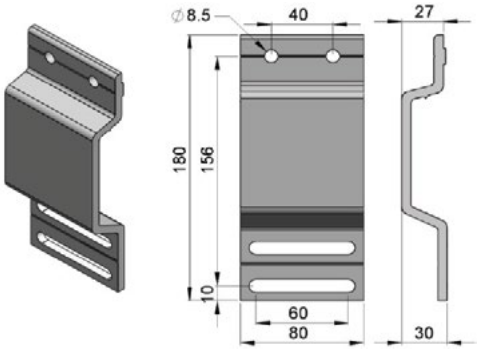
UOM: pc
For FM conveyor with 64 mm vertical support beam

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



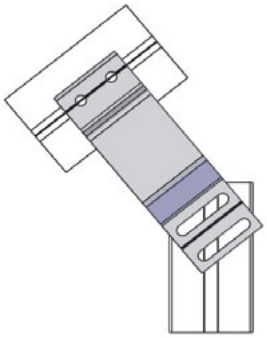


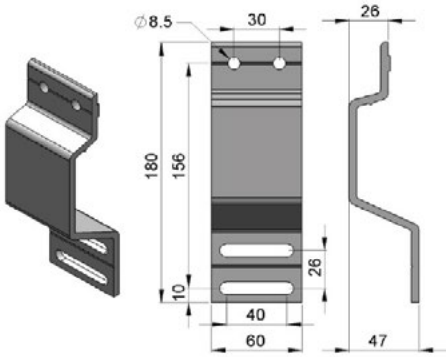
UOM: pc
For FM conveyor with 80 mm vertical beam support

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



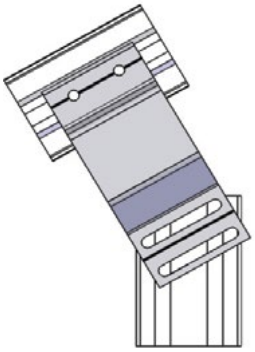


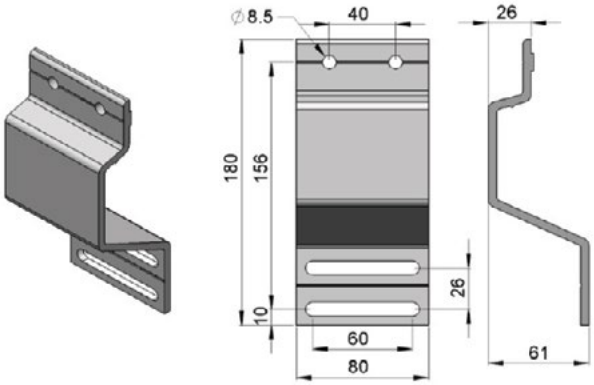
UOM: pc
For FC conveyor with 64 mm vertical beam support

Mounting: FATB-20(2) , FALN-M8(2) , FAHB-M8 x16(2) , FASN-M8(2) , FAFW-M8 (4)

FAVBS-80LV

Vertical beam support bracket - Aluminum



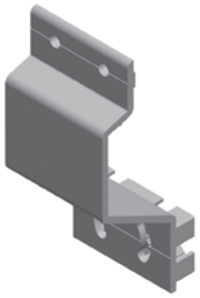


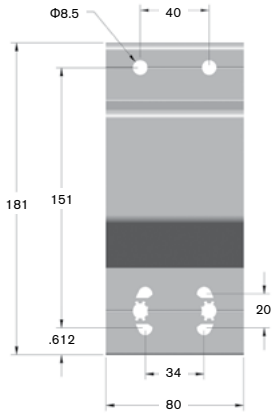
UOM: pc
For FL conveyor with 80 mm vertical beam support

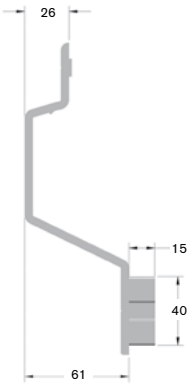
Mounting: FATB-20(2) , FALN-M8(2) , FAHB-M8 x16(2) , FASN-M8(2) , FAFW-M8 (4)

FAVBS-80UV

Vertical beam support bracket





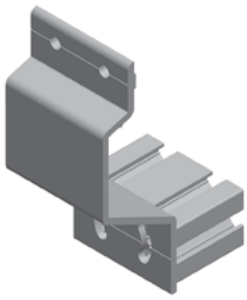


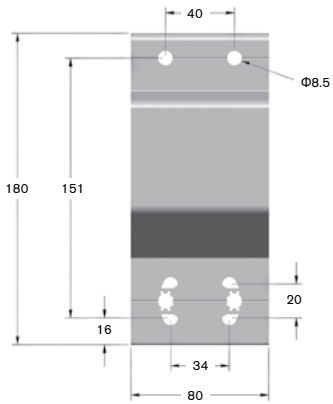
UOM: pc
For FU conveyor with 80 mm vertical support beam

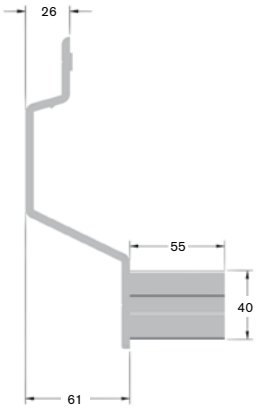
Mounting: FATB-20(2) , FALN-M8(2) , FAFW-M8 (2)

FAVBS-80VV

Vertical beam support bracket





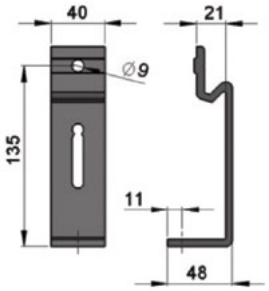


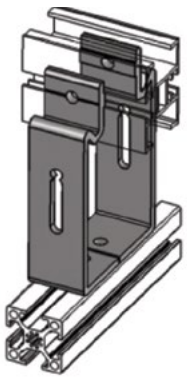
UOM: pc
For FU conveyor with 80 mm vertical beam support

Mounting: FATB-20(2) , FALN-M8(2) , FAFW-M8 (2)

FAHBS-40x135

Horizontal beam support bracket - Aluminum

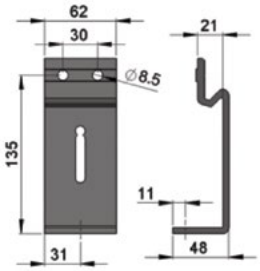


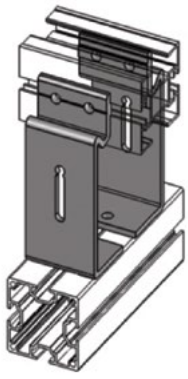


UOM: pc
For 40 mm horizontal crossing support beam

FAHBS-62x135

Horizontal beam support bracket - Aluminum

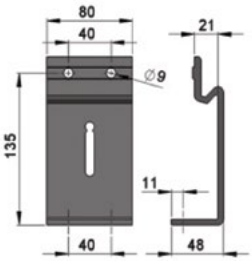


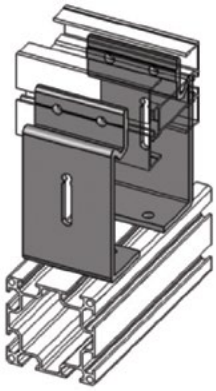


UOM: pc
For 64mm horizontal crossing support beam

FAHBS-80x135

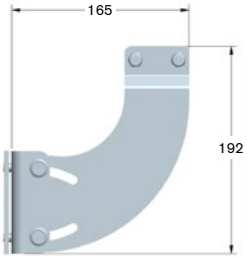
Horizontal beam support bracket - Aluminum





UOM: pc
For 80 mm horizontal crossing support beam

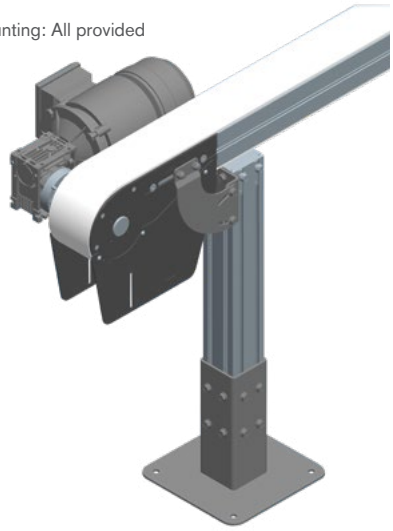
FADBS-WWXV — Drive End Support Bracket



UOM: pc

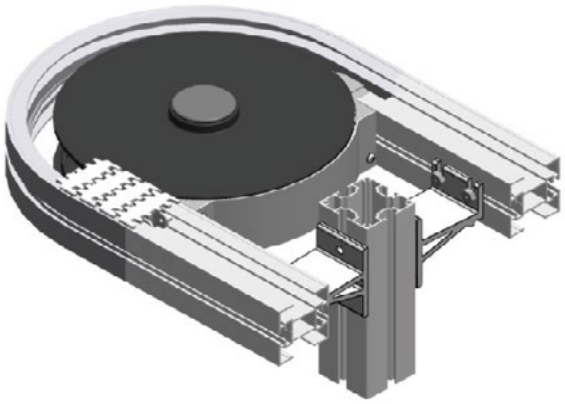
For support of direct drive end to vertical beam support

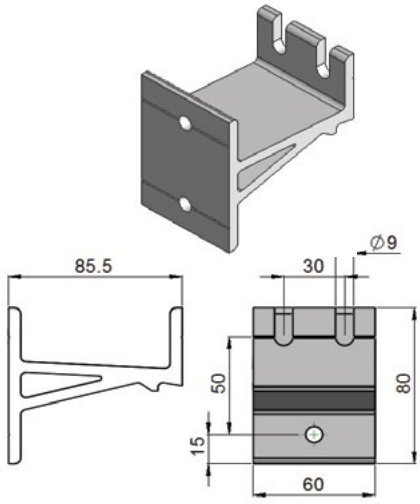
Mounting: All provided



Part Number		Beam	Conveyor	Adjustable
FADBS	–	WW	X	V
		60 = 64 x 64	K = 45 mm	
			S = 65 mm	
			M = 85 mm	
			C = 105 mm	
		80 = 80 x 80	L = 150 mm	
			U = 180 mm	
			V = 260 mm	

FAAL-64 — Alpine beam support bracket - Aluminum



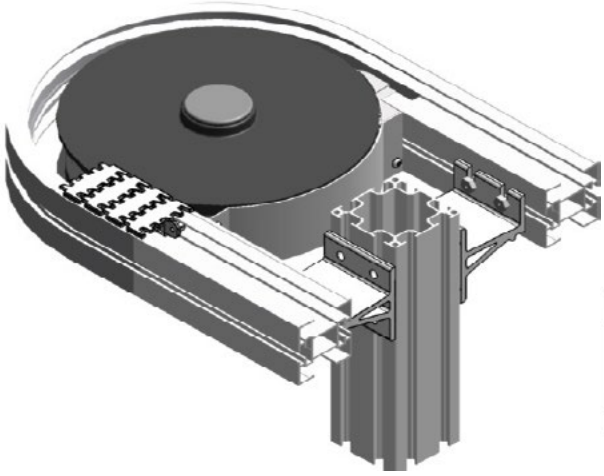


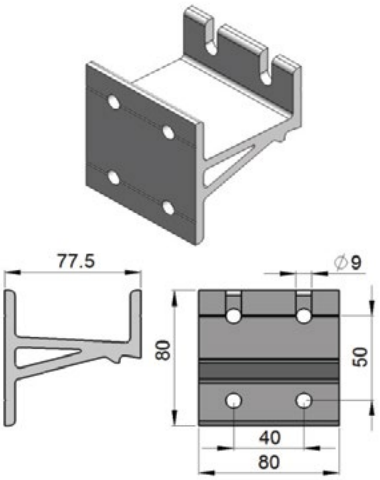
UOM: pc

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



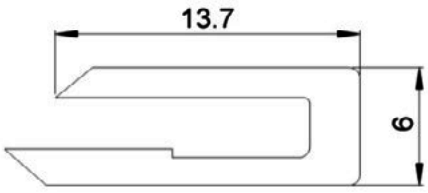


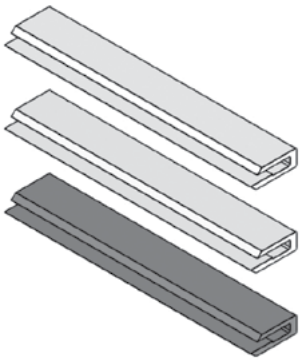
UOM: pc

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	HDPE slide rail - White	*"Normal Application"*
FASR-25U	UHMW-PE slide rail - White	*"Low Friction, suitable for accumulation"*
FASR-25X	Special PE slide rail - Blue	*"Lowest Friction, suitable for accumulation"*
FASR-25T	PAPE slide rail - Grey	*"High abrasive and High load"*
FASR-25CD	Conductive slide rail - Black	*"Static conductive"*

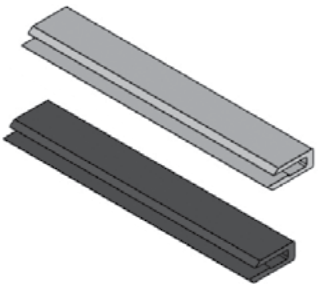




FASR-25

FASR-25U

FASR-25X

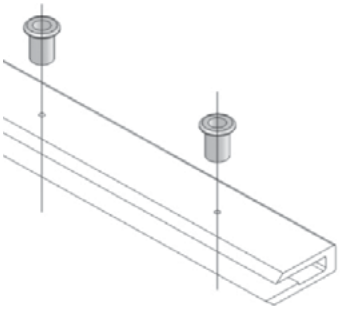


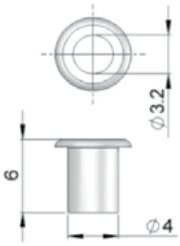
FASR-25T

FASR-25CD

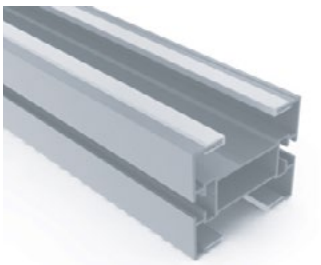
UOM: 25meter / roll

FASLR-4x6 — Aluminum rivet for slide rail

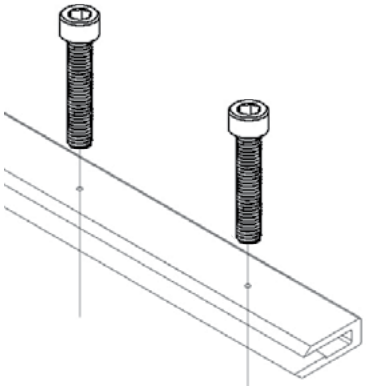


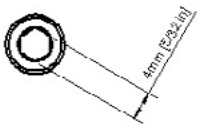


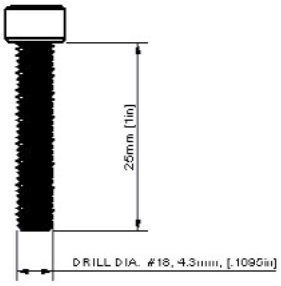
UOM: 50pcs / pk



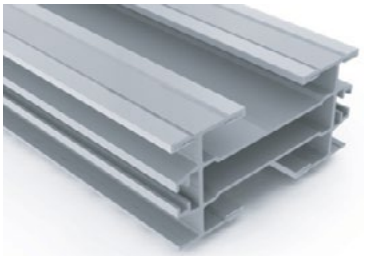
807-2694 — Nylon Socket screw for slide rail







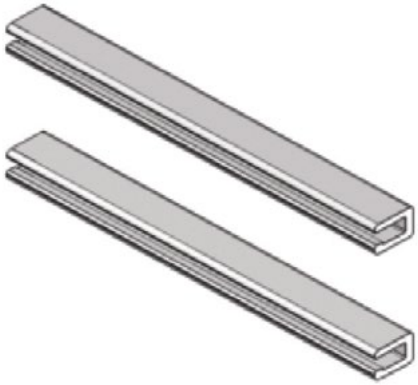
UOM: 50pcs / pk

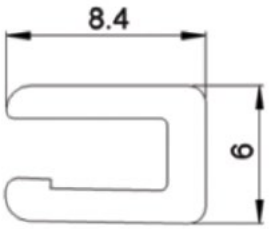


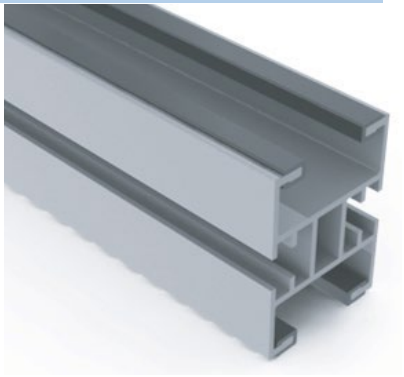
Note: 807-2694 available in North America only.

FASR-25KU — UHMW-PE slide rail

FASR-25K — HDPE slide rail







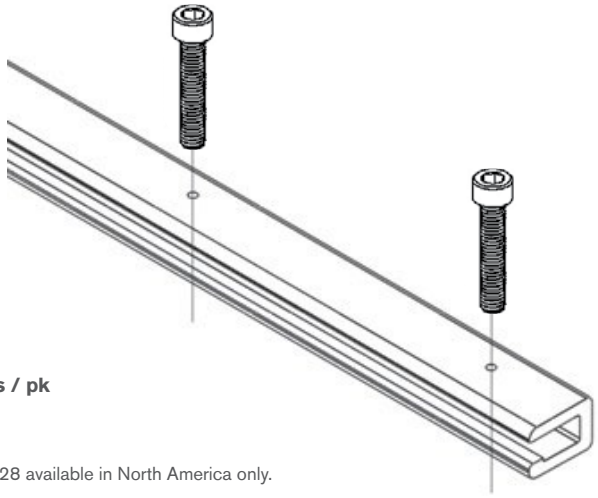
FASR-25KU

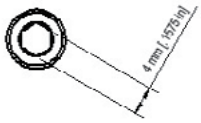
FASR-25K

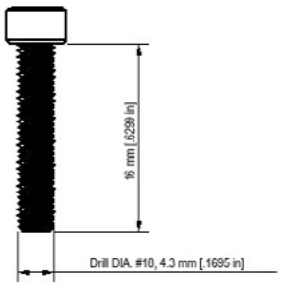
For FK Series Conveyors

UOM: 25meter / roll

807-4128 — Nylon Socket screw for slide rail





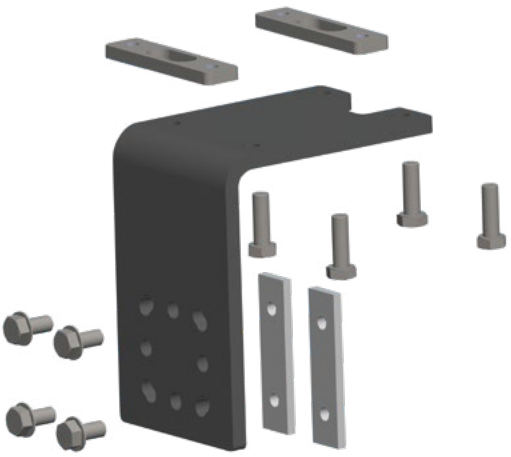


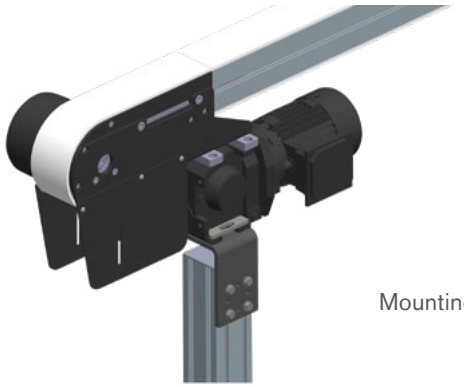
UOM: 50pcs / pk

Note: 807-4128 available in North America only.

For FK Series Conveyors

207262 — Bracket Assembly, Suspended Drive





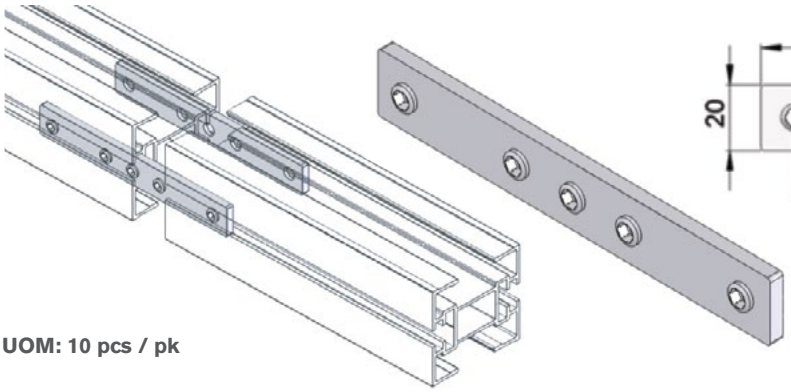
UOM: kit

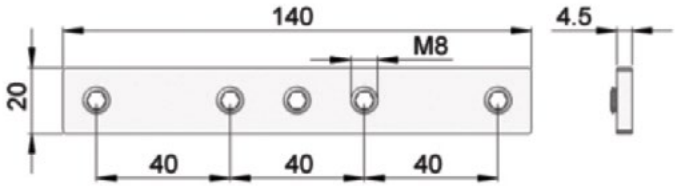
Mounting: Included

For Heavy Load SEW equivalent Gearmotor and 64 mm or 80 mm Support Beams

FACS-20x140

Connecting strip – Steel, electro zinc plated



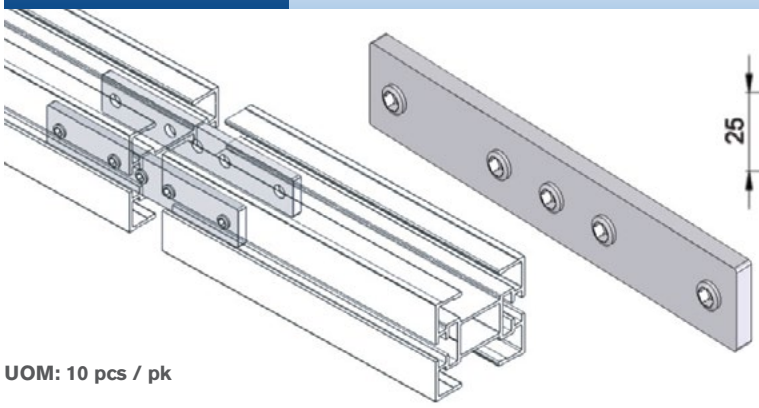


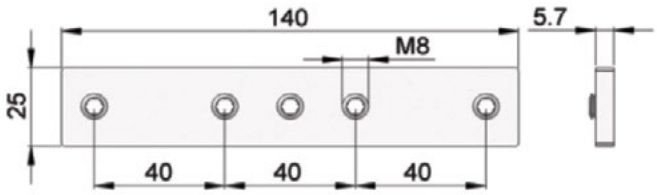
UOM: 10 pcs / pk

For FK Series Conveyors

FACS-25x140A

Connecting strip – Steel, electro zinc plated

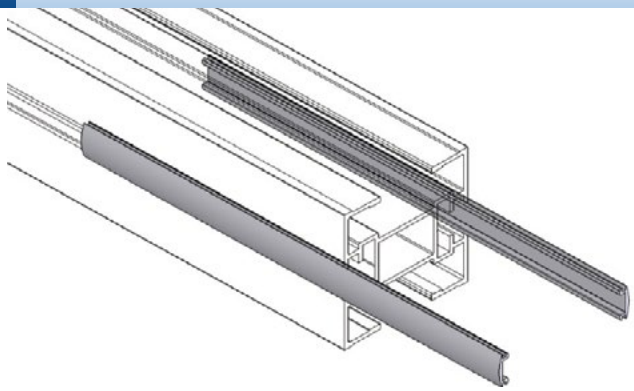


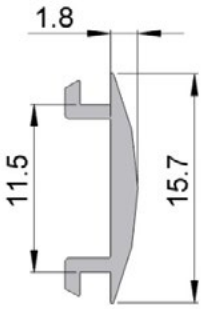


UOM: 10 pcs / pk

FASC-25

T-Slot Cover – Soft PVC (25 meter / Roll)

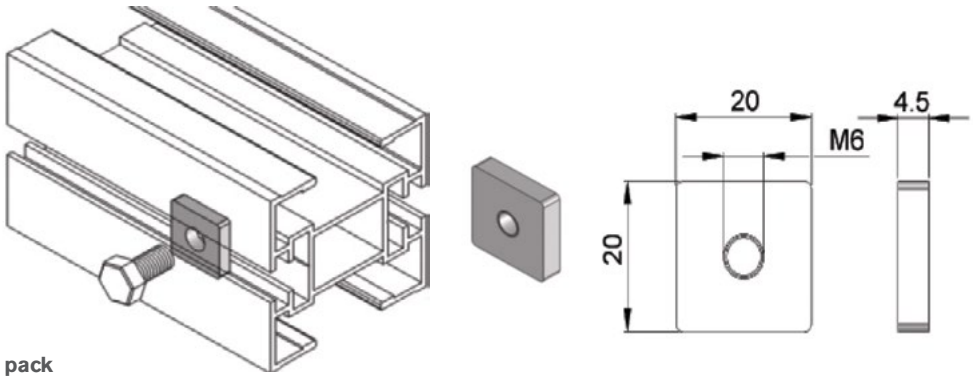




UOM: 25 meter / roll

FASN-M6

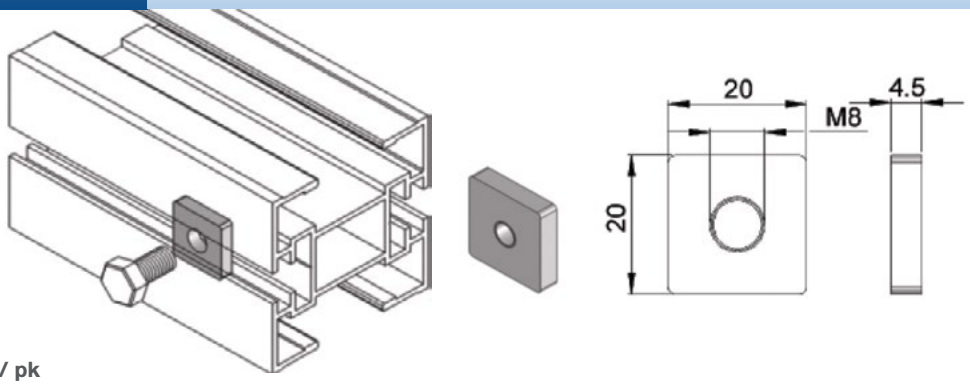
M6 Square Nut for Outer Slot – Steel, electro zinc plated



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

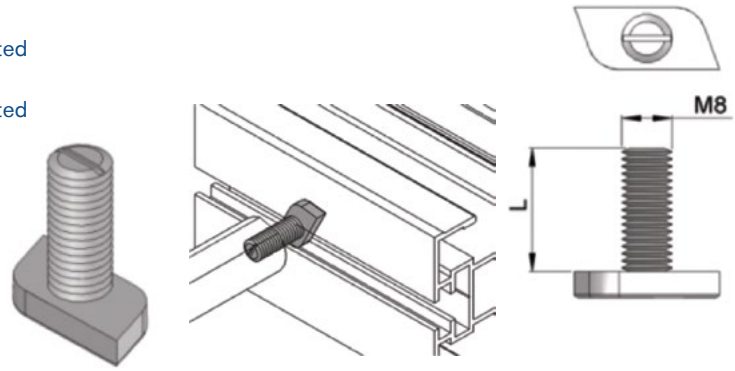
T-bolt, L = 35 – Steel, zinc plated

FATB-53

T-bolt, L = 53 – Steel, zinc plated

FATB-71

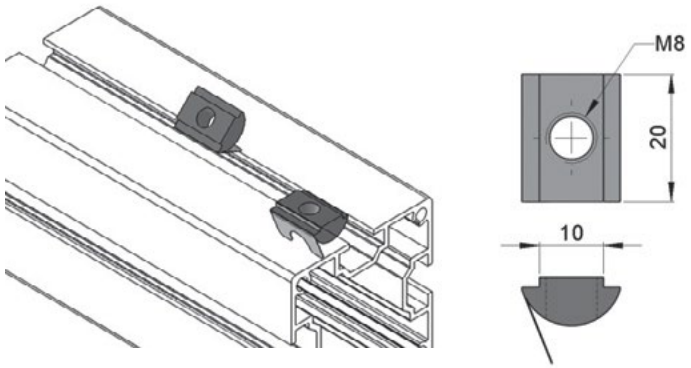
T-bolt, L = 71 – Steel, zinc plated



UOM: 50 pcs / pk

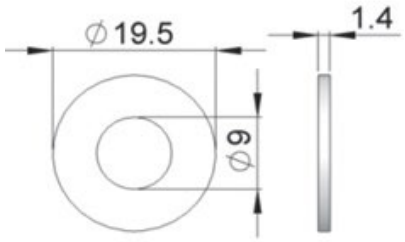
FASL-M8

Spring Leaf Nut M8 for 40x40, 64x64 , 40x80, 80x80 Support Beam - Steel, zinc plated



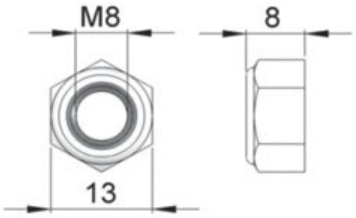
UOM: 50 pcs / pk

FAFW-M8 — M8 Flat washer – Steel, zinc plated



UOM: 50 pcs / pk

FALN-M8 — M8 Lock Nut – Steel, zinc plated



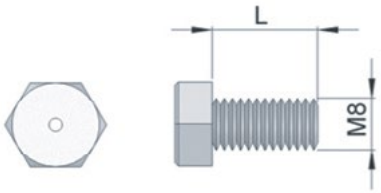
UOM: 50 pcs / pk

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

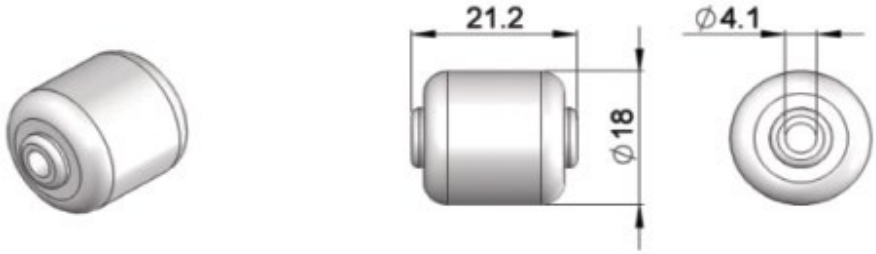


UOM: 50 pcs / pk

FAFR-35 — Free roller – POM

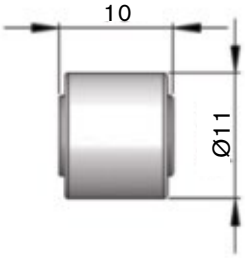
UOM: 10 pcs / pk

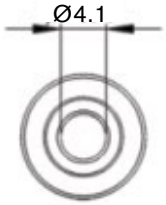
FAFR-18 — Free roller – POM



UOM: 10 pcs / pk

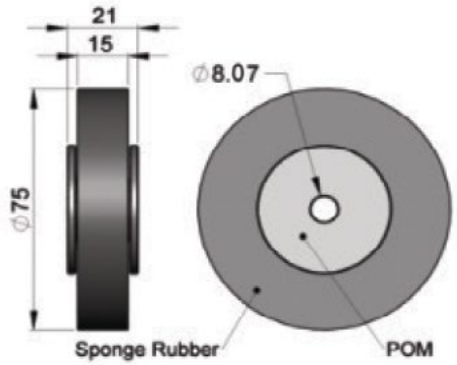
FAFR-11 Free roller - POM





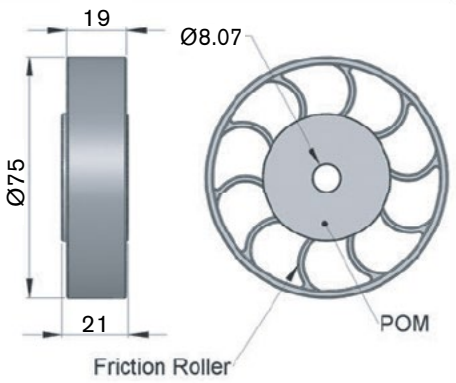
UOM: 10 pcs / pk

FASR-75x15 Sponge roller, Sponge rubber



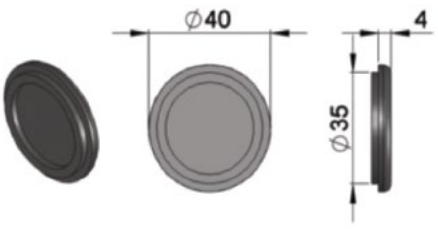
UOM: 10 pcs / pk

FASR-75x19P PVC Roller c/w POM core & Screw



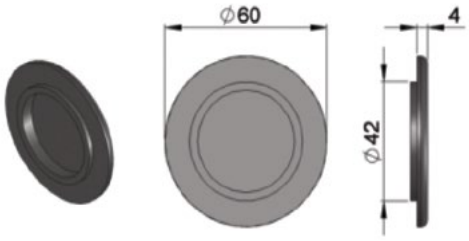
UOM: 10 pcs / pk

FAEC-DS End cap for drive shaft - Polyamide



UOM: 10 pcs / pk

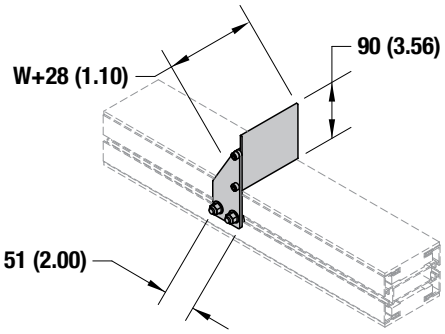
FAEC-WH End cap for wheel – Polyamide



UOM: 10 pcs / pk

203395-WWW

WWW = Conveyor Width: 065, 085, 105, 150

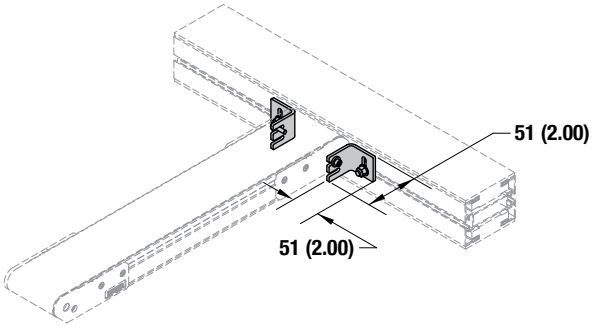


Adjustable Stop

- Product End stop at any location on conveyor rail
- For accumulating product
- Not compatible with Friction Insert Chain

Available in North America only.

203399



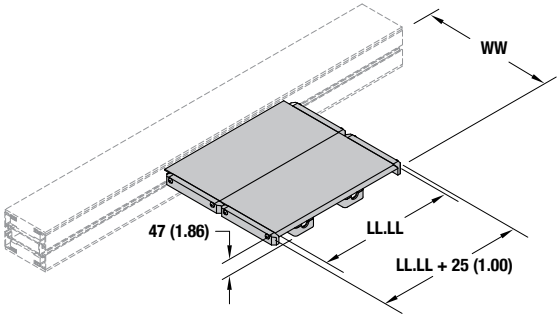
Conveyor 90° Transfer Bracket

- 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



Available in North America only.

Side Tables

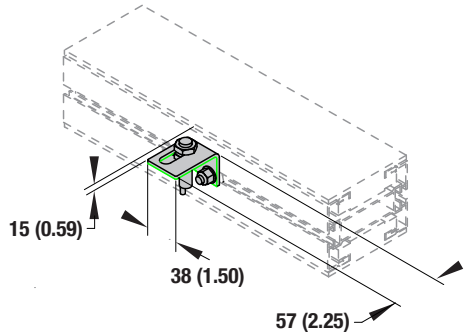
- Provides a 152 mm (6 in) or 305 mm (12 in) wide working surface
- Adjusts in/out and up/down for product transfer on/off conveyor belts
- Can be positioned anywhere along the conveyor
- Anodized aluminum work surface
- Max load: 6 kg/m (5 lbs/ft), use Adjustable Tie Brackets for added capacity
- Available in 305 mm (1 ft) increments from 305 mm (1 ft) to 30,175 mm (99 ft)

Side Tables

27MSF 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



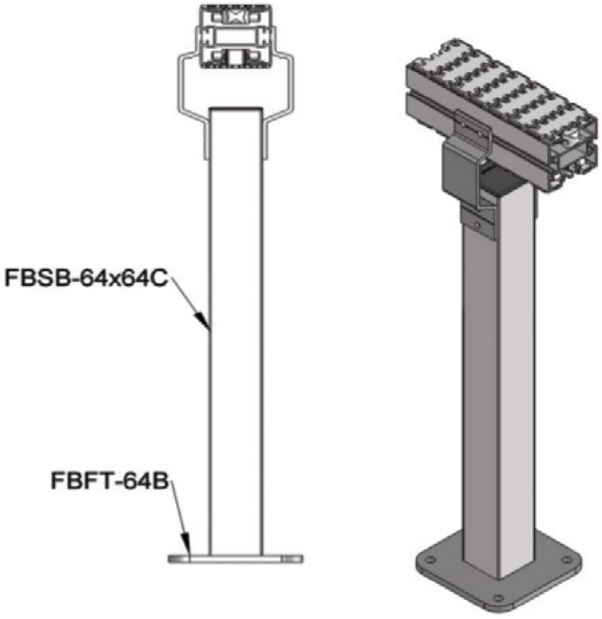
Pallet Sensor Bracket

- 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)

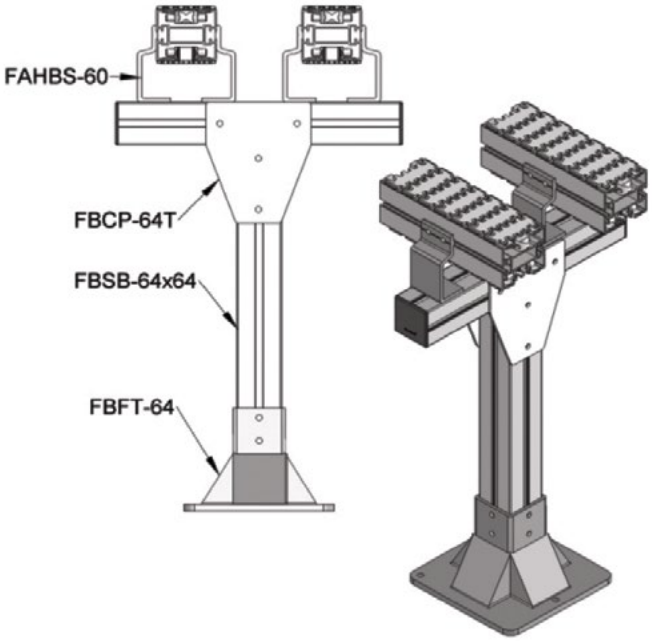
Available in North America only.

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)

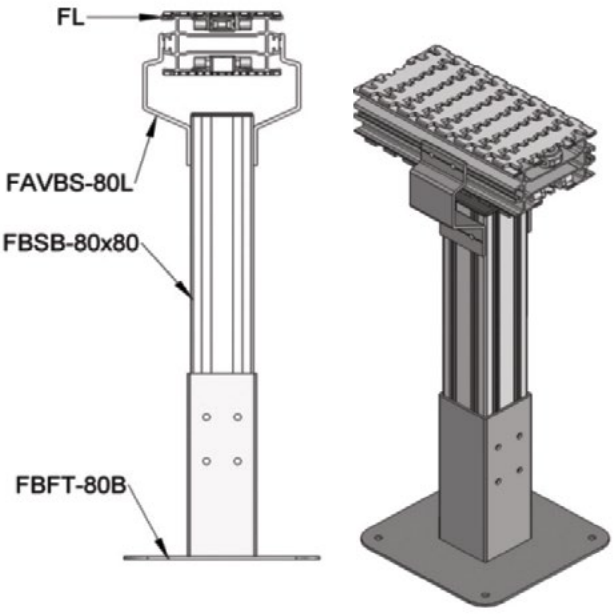
Single Support Structure with enclosure beam
FK, FS, FM, FC



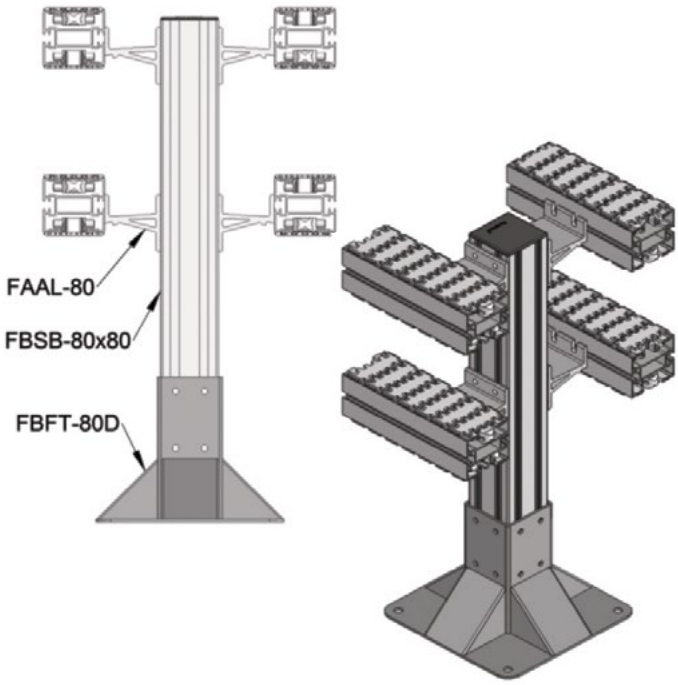
Double Lane Support Structure
FK, FS, FM, FC, FL



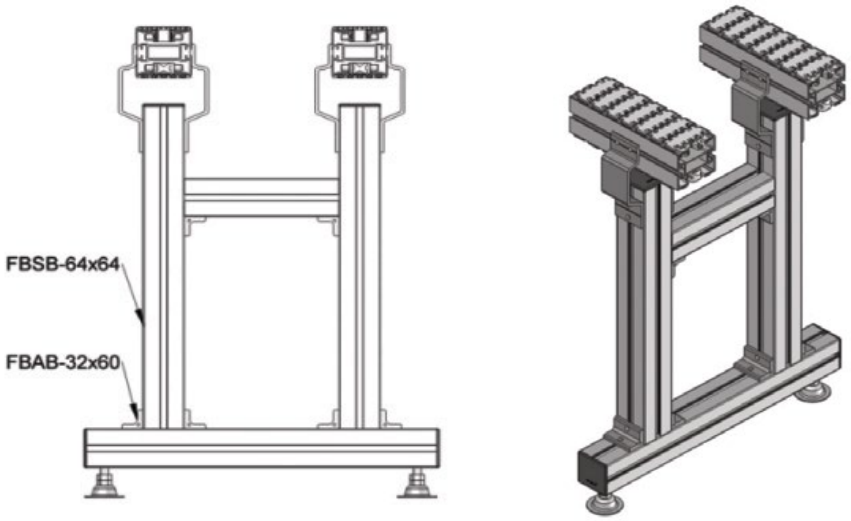
Single Support Structure
FL



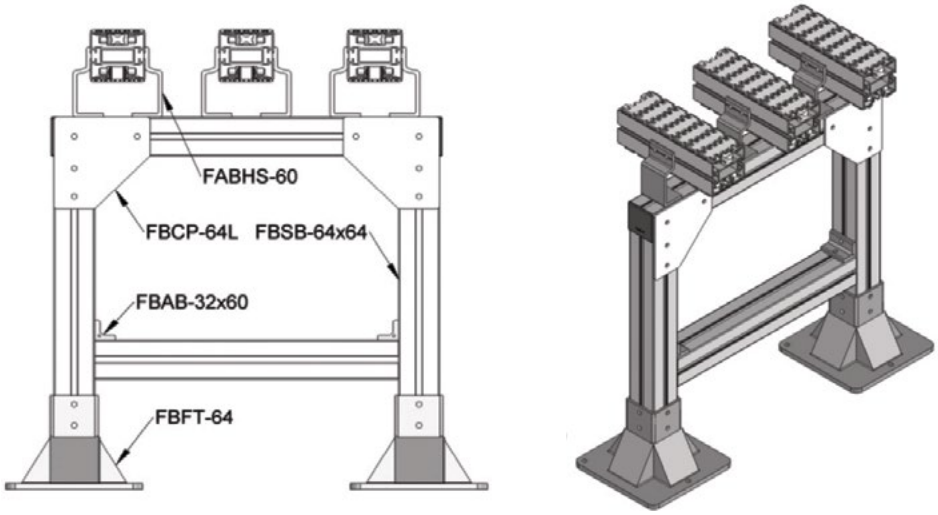
Alpine Support Structure
FK, FS, FM, FC, FL



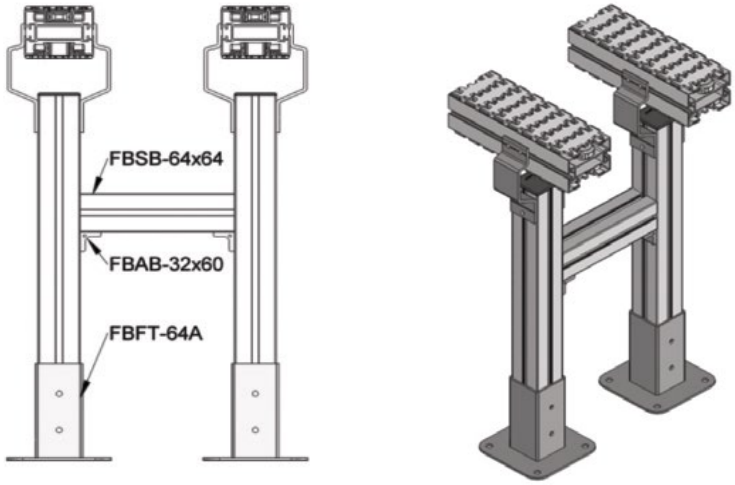
Double Support Structure **FK, FS, FM, FC**



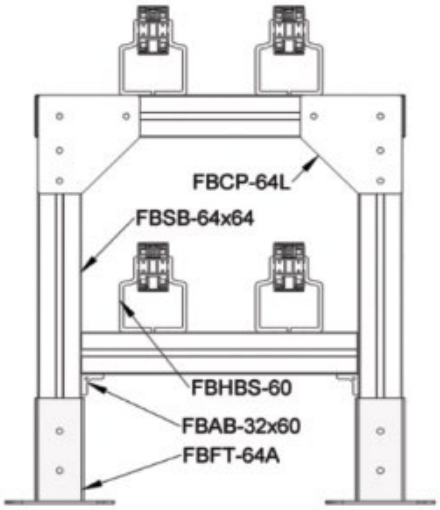
Multi Lane Support Structure **FK, FS, FM, FC, FL**

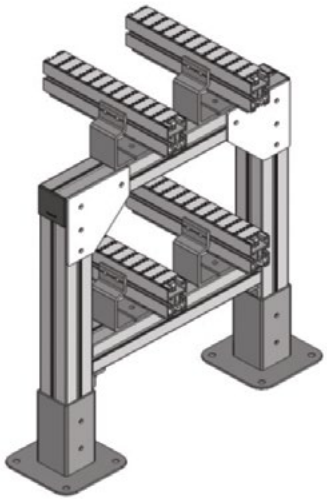


Double Support Structure **FK, FS, FM, FC**

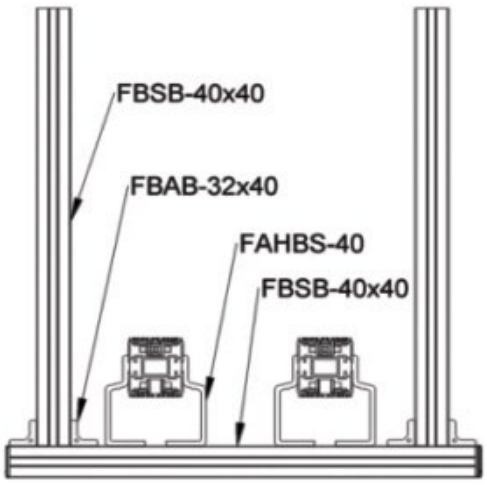


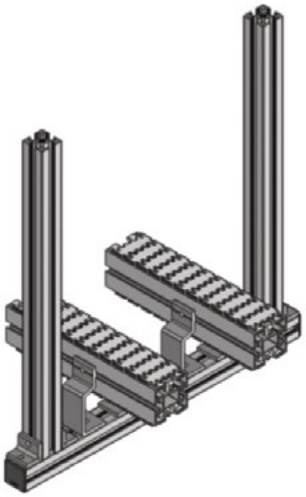
Multi Lane Double Layer Support Structure **FK, FS, FM, FC, FL**



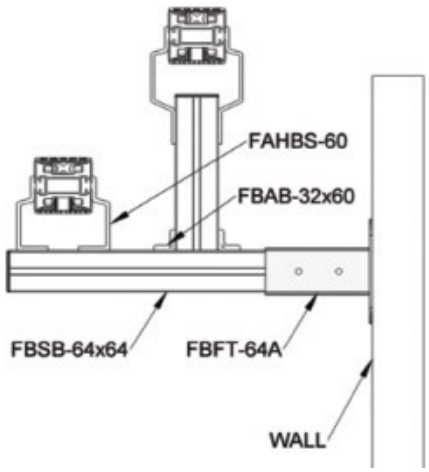


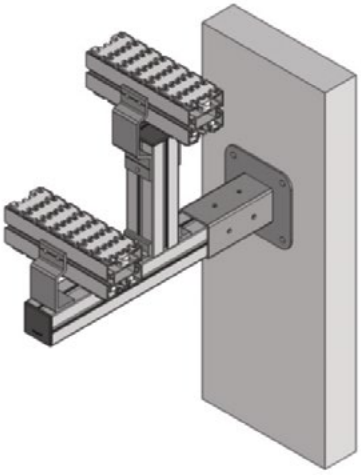
Ceiling Hanger Support Structure **FK, FS, FM, FC, FL**



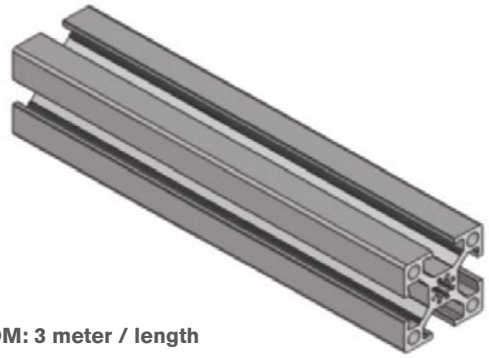


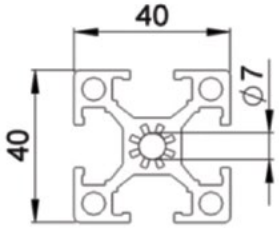
Wall Mount Support Structure **FK, FS, FM, FC**





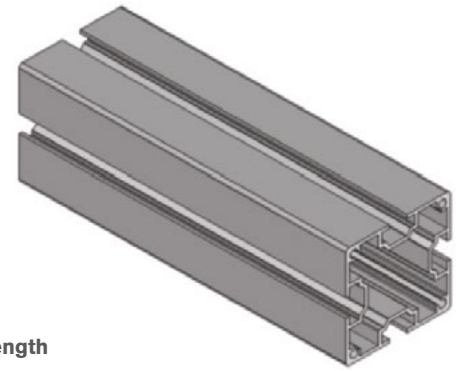
FBSB-40x40 Support Beam 40x40 – Aluminum Anodized

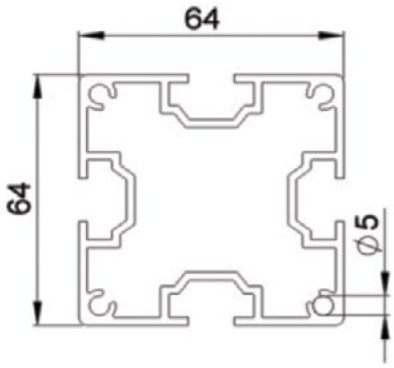




UOM: 3 meter / length

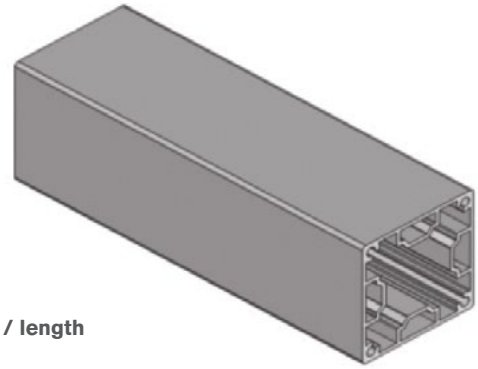
FBSB-64x64 Support Beam 64x64 – Aluminum Anodized

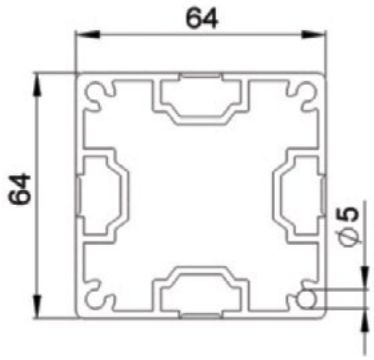




UOM: 3 meter / length

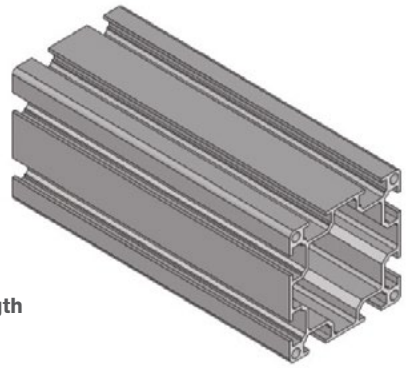
FBSB-64x64C Close slot Support Beam – Aluminum Anodized

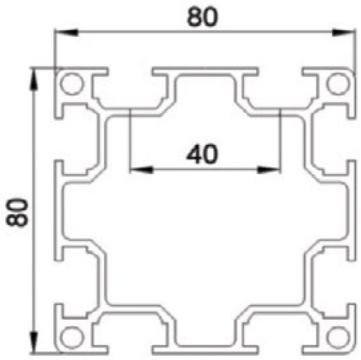




UOM: 3 meter / length

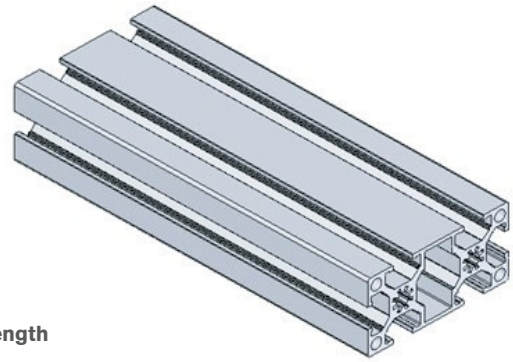
FBSB-80x80 Support Beam 80x80 – Aluminum Anodized

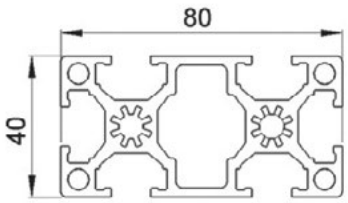




UOM: 3 meter / length

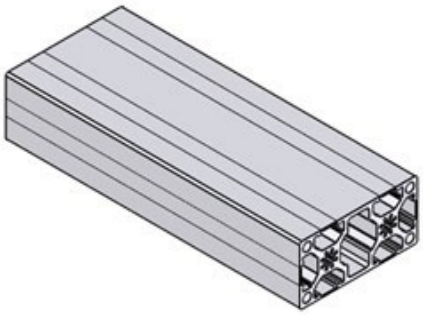
FBSB-40x80 Support Beam – Aluminum Anodized

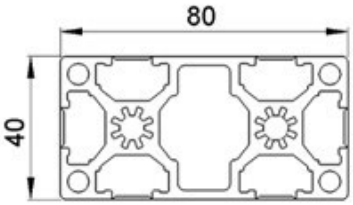




UOM: 3 meter / length

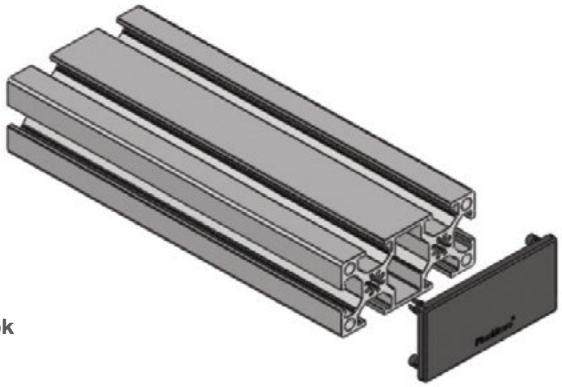
FBSB-40x80C Close Slot Support Beam - Aluminum Anodized

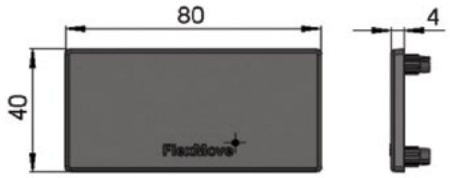




UOM: 3 meter / length

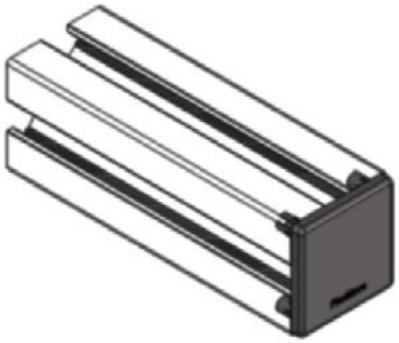
FBEC-40x80 End Cap. 40x80 mm Support Beam - Polyamide

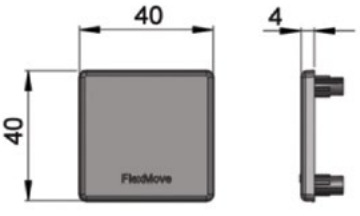




UOM: 10 pcs / pk

FBEC-40 End Cap , 40x40 mm Support Beam - Polyamide

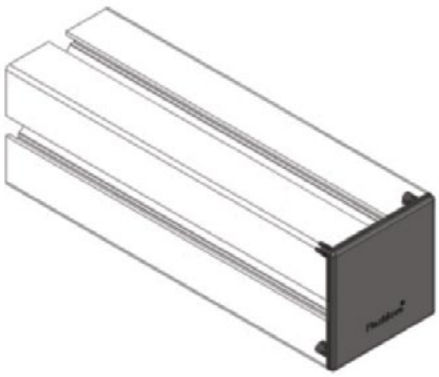


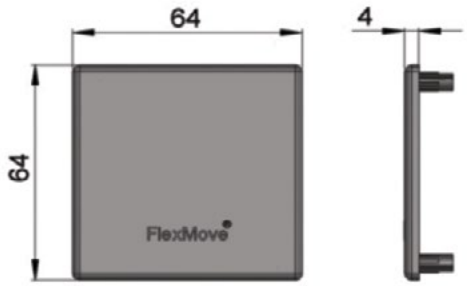


UOM: 10 pcs / pk

FBEC-64

End cap , 64x64mm Support Beam - Polyamide

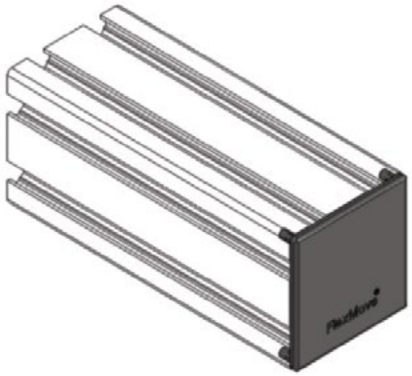


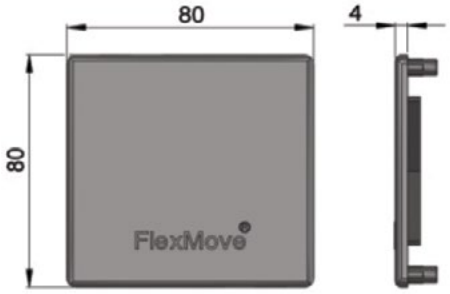


UOM: 10 pcs / pk

FBEC-80

End cap , 80x80 mm Support Beam - Polyamide

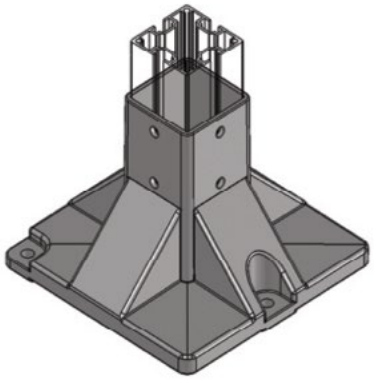


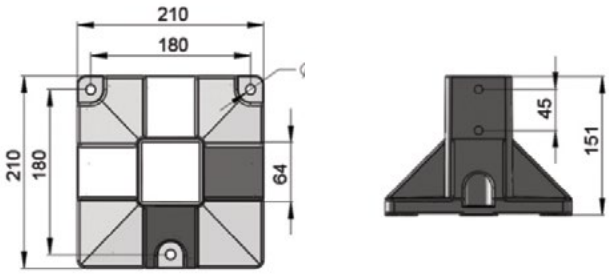


UOM: 10 pcs / pk

FBFT-64

Foot For Support Beam 64x64 – Aluminum Die Cast



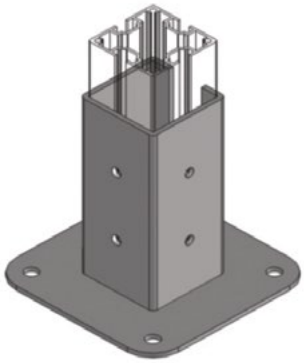


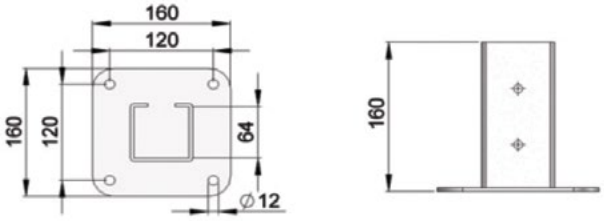
UOM: pc

Mounting hardware included: FAHB-M8 x16(4) , FBCS – 20x76 (2) , FAFW-M8 (4)

FBFT-64A

Foot For Support Beam 64x64 – Steel, Powder Coating

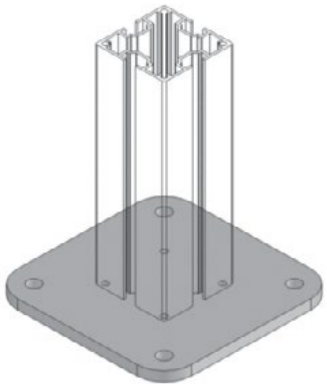


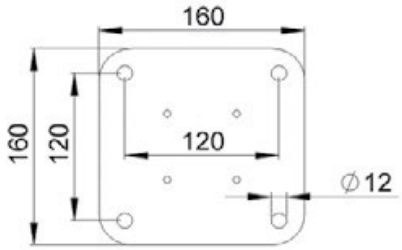


UOM: pc

Mounting hardware included: FAHB-M8 x16(4) , FASN – M8 (4) , FAFW-M8 (4) , FAWP-M10(4)

FBFT-64B — Foot For Support Beam 64x64 – Aluminum

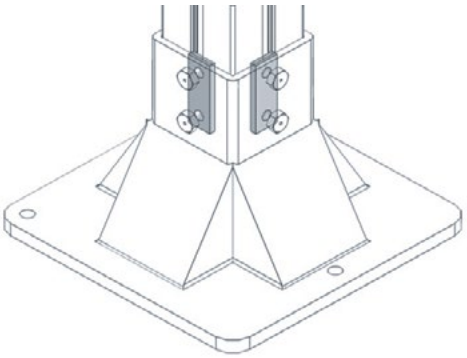


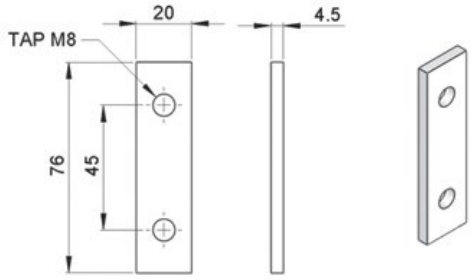


UOM: pc

Mounting: FACS-M6 x 20 (4) , FAWP-M10 (4)

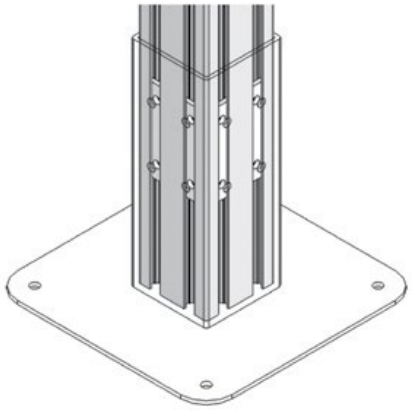
FBCS-20x76 — Connecting Strip For Foot – Steel, Electro Zinc Plated

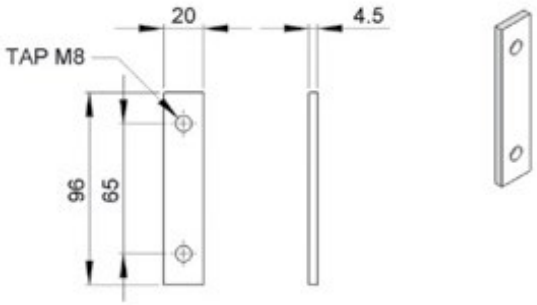




UOM: 10pcs / pk

FBCS-20x96 — Connecting Strip For Foot 80x80 mm– Steel, Electro Zinc Plated

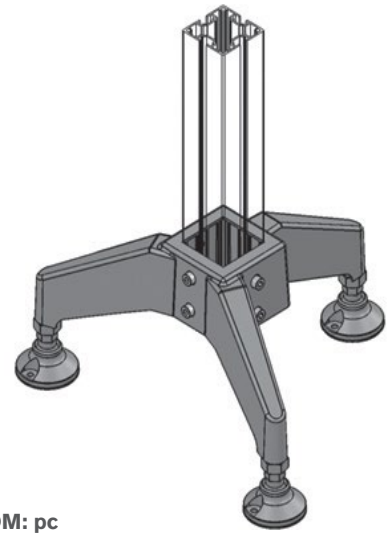


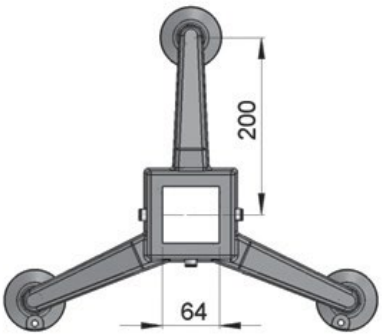


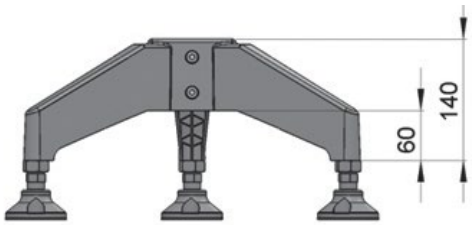
UOM: pc

FBFT-64TP — Tripod Foot For FBSB-64x64 - Polyamide , Glass Fiber reinforced

Plastic Pad, screws and clamps included



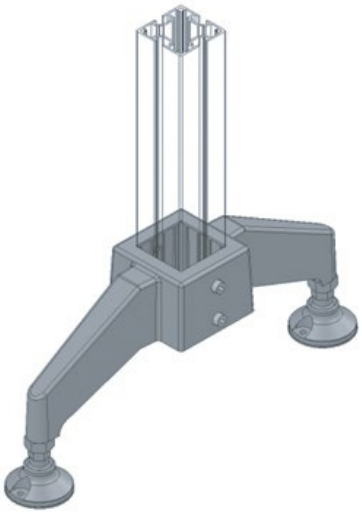


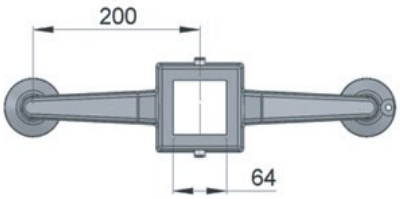


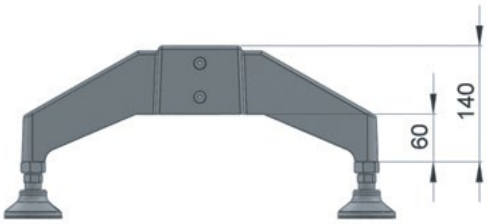
UOM: pc

FBFT-64BP — Bipod Foot For FBSB-64x64 - Polyamide , Glass Fiber reinforced

Plastic Pad, screws and clamps included



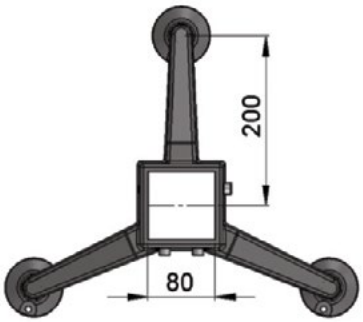


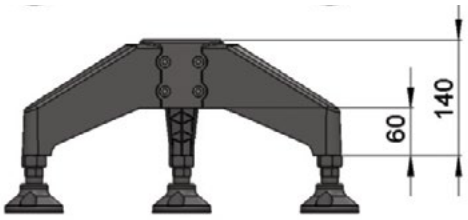


UOM: pc

FBFT-80TP — Tripod Foot For FBSB-80x80 - Polyamide, Glass Fiber reinforced

Plastic Pad, screws and clamps included

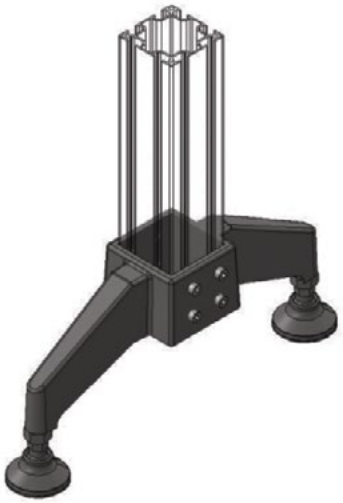


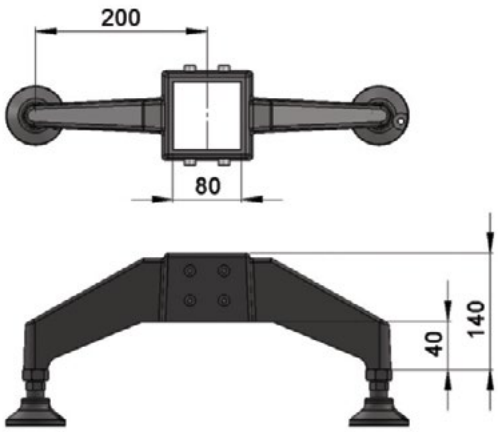


UOM: pc

FBFT-80BP	Bipod Foot For FBSB-80x80 - Polyamide , Glass Fiber reinforced

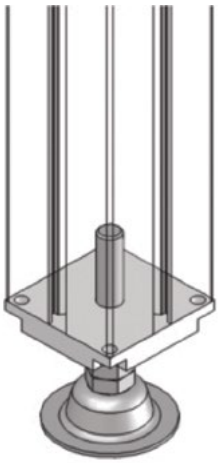
Plastic Pad, screws and clamps included

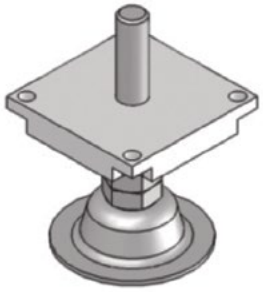


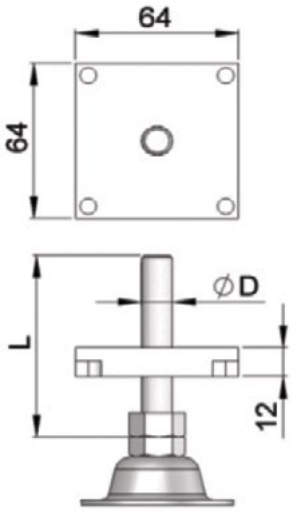


UOM: pc

FBFT-64xM8	End Plate for Support Beam 64x64- Aluminum & Adjustable stand - D=M8, L=50 – Zinc Plated
FBFT-64xM10	End Plate for Support Beam 64x64- Aluminum & Adjustable stand - D=M10, L=75 – Zinc Plated
FBFT-64xM12	End Plate for Support Beam 64x64- Aluminum & Adjustable stand - D=M12, L=75 – Zinc Plated
FBFT-64xM8S	End Plate for Support Beam 64x64- Aluminum & Adjustable stand - D=M8, L=50 – Stainless Steel
FBFT-64xM10S	End Plate for Support Beam 64x64- Aluminum & Adjustable stand - D=M10, L=75 – Stainless Steel
FBFT-64xM12S	End Plate for Support Beam 64x64- Aluminum & Adjustable stand - D=M12, L=75 – Stainless Steel



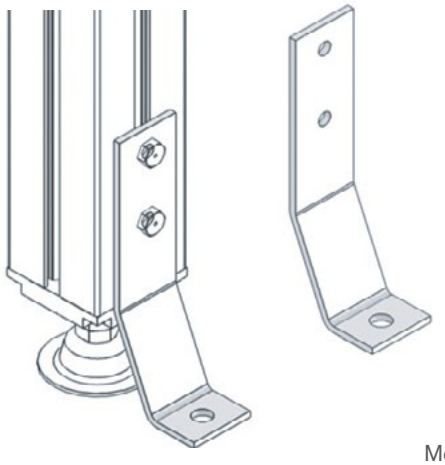


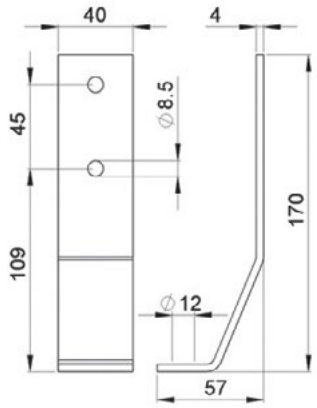


UOM: pc

FBFT-170 Floor Attachment Bracket – Steel, Zinc Plated

FBFT-170S Floor Attachment Bracket – Stainless Steel



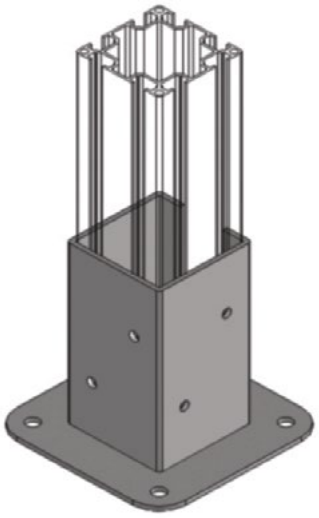


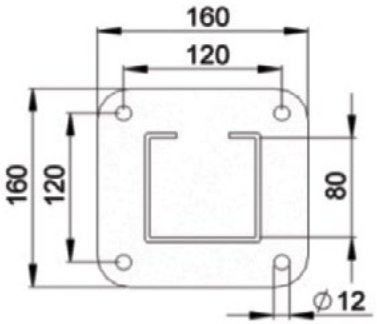
UOM: pc

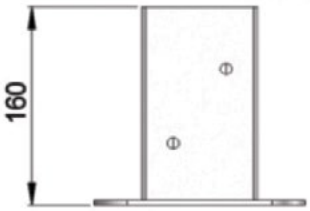
Mounting: FAHB-M8 x16(2) , FASN-M8 (2) , FAFW-M8 (3) , FAWP-M10 (1)

Foot For Support Beam 80x80 – Steel, Powder Coating

FBFT-80A Foot For Support Beam 80x80 – Steel, Powder Coating



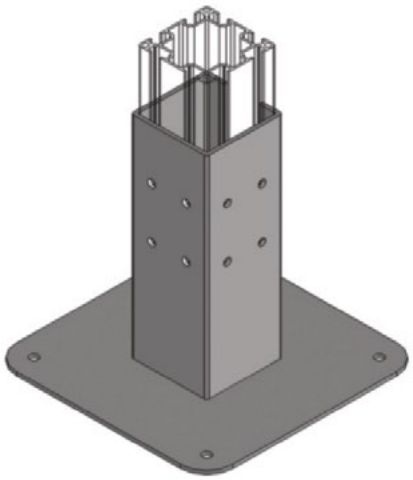


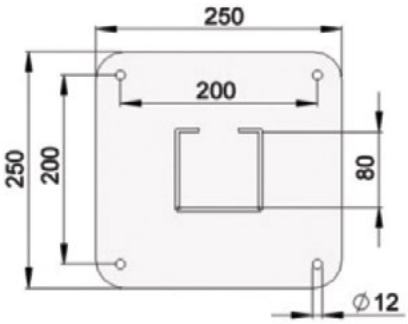


UOM: pc

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

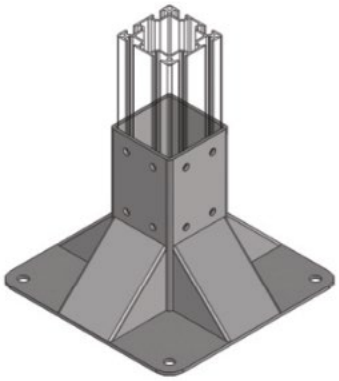


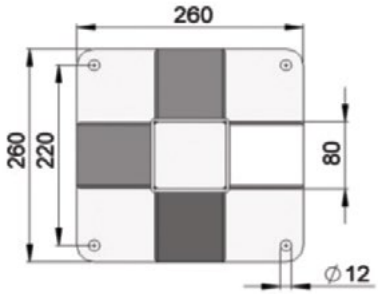


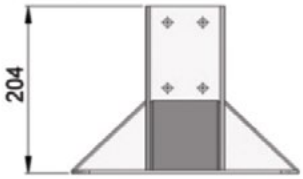
UOM: pc

Mounting hardware included: FAHB-M8 x16(8) , FBCS – 20 x 96 (4), FAFW-M8 (8) , FAWP-M10(4)

FBFT-80D — Foot For Support Beam 80x80 – Steel, Powder Coating



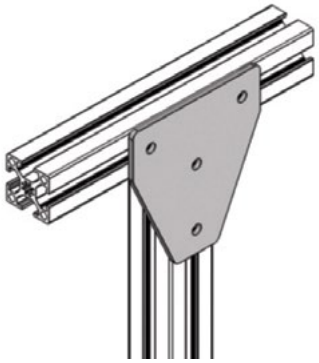


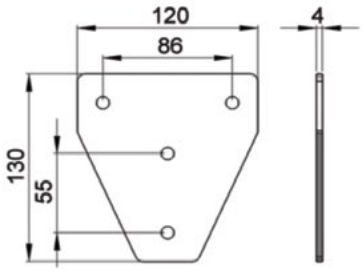


UOM: pc

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

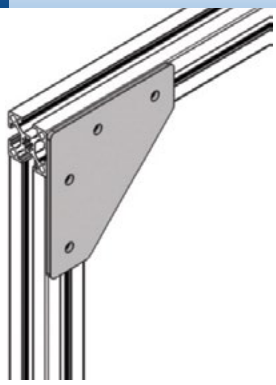


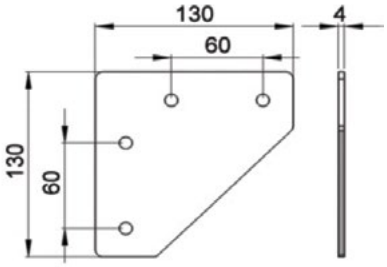


UOM: pc

Mounting: FAHB-M8 x16(4) , FASN-M8 (4) , FAFW-M8 (4)

FBCP-40L — L Connecting Plate for Support Beam 40x40- Steel, Zinc Plated

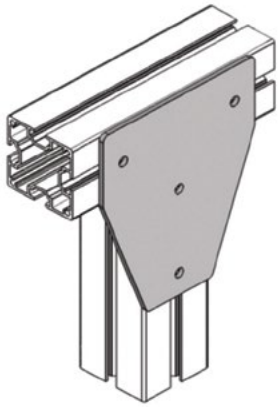


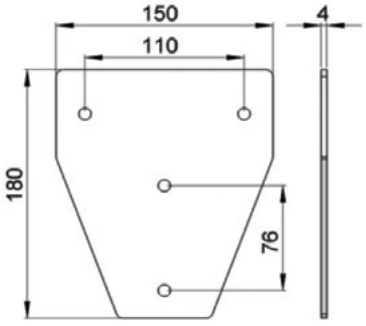


UOM: pc

Mounting: FAHB-M8 x16(4) , FASN-M8 (4) , FAFW-M8 (4)

FBCP-64T — T connecting Plate for Support Beam 64x64 – Steel, Zinc Plated



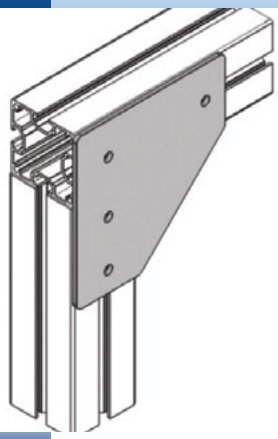


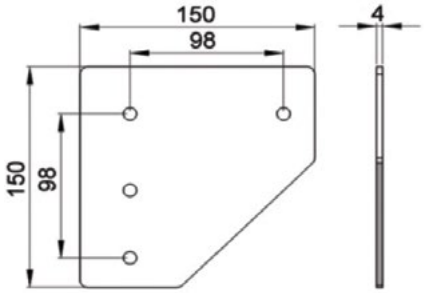
UOM: pc

Mounting: FAHB-M8 x16(4) , FASN-M8 (4) , FAFW-M8 (4)

FBCP-64L

L Connecting Plate for Support Beam 64x64- Steel, Zinc Plated



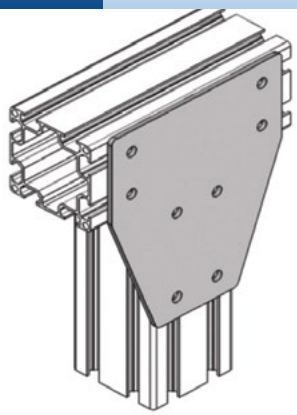


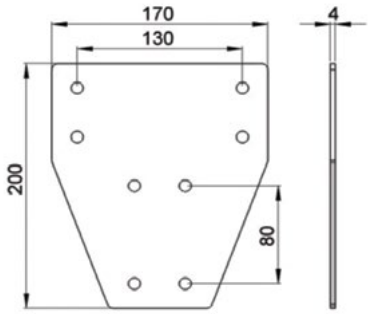
UOM: pc

Mounting: FAHB-M8 x16(4) , FASN-M8 (4) , FAFW-M8 (4)

FBCP-80T

T connecting Plate for Support Beam 80x80 – Steel, Zinc Plated



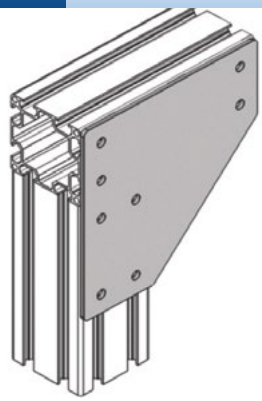


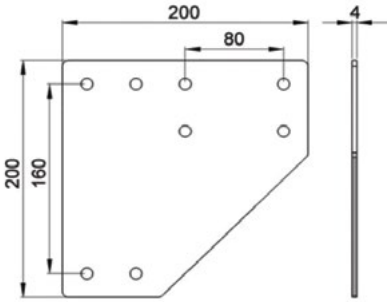
UOM: pc

Mounting: FAHB-M8 x16(8) , FASN-M8 (8) , FAFW-M8 (8)

FBCP-80L

L Connecting Plate for Support Beam 80x80- Steel, Zinc Plated



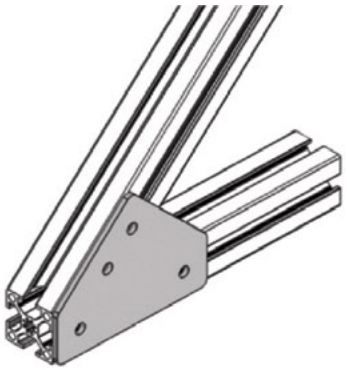


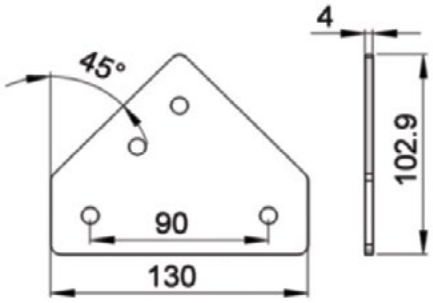
UOM: pc

Mounting: FAHB-M8 x16(8) , FASN-M8 (8) , FAFW-M8 (8)

FBCP-40V

45° connecting Plate for Support Beam 40x40 – Steel, Zinc Plated



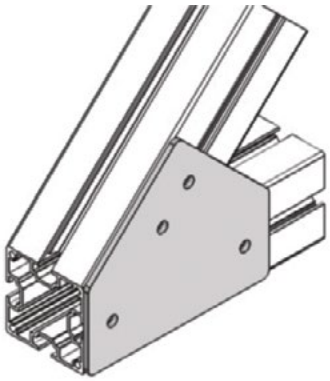


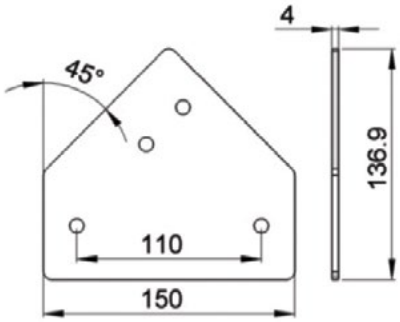
UOM: pc

Mounting: FAHB-M8 x16(4) , FASN-M8 (4) , FAFW-M8 (4)

FBCP-64V

45° connecting Plate for Support Beam 64x64 – Steel, Zinc Plated



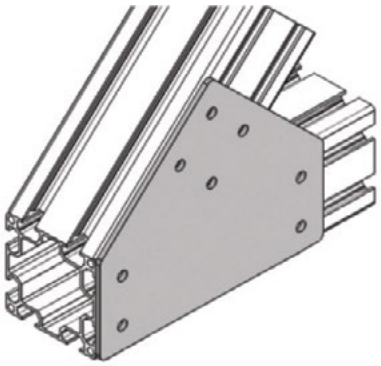


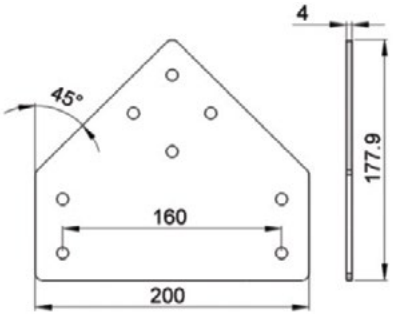
UOM: pc

Mounting: FAHB-M8 x16(4) , FASN-M8 (4) , FAFW-M8 (4)

FBCP-80V

45° connecting Plate for Support Beam 80x80 – Steel, Zinc Plated



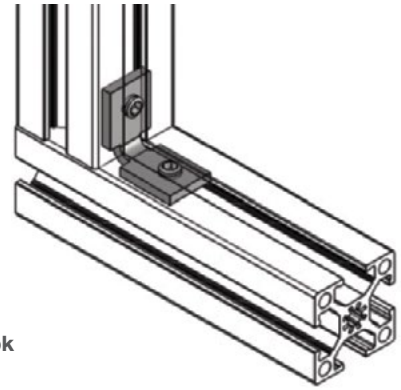


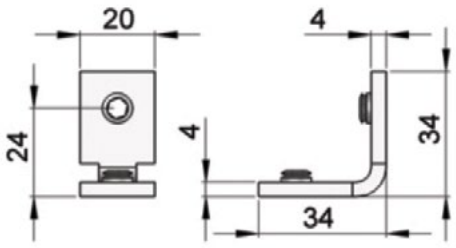
UOM: pc

Mounting: FAHB-M8 x16(8) , FASN-M8 (8) , FAFW-M8 (8)

FBRX-20A

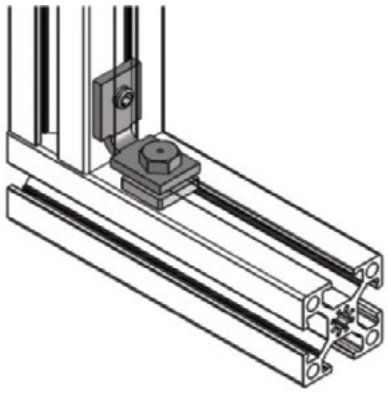
90° Inner Joint Strip – Steel, Zinc Plated

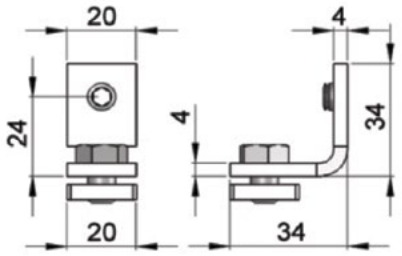




UOM: 10 pcs / pk

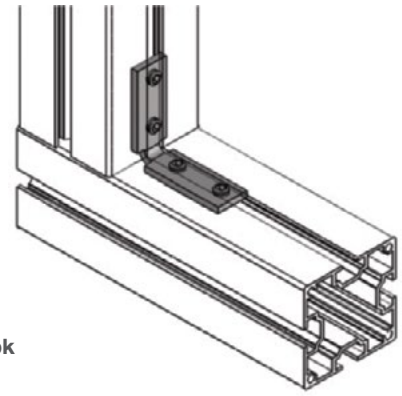
FBRX-20B 90° Outer Joint Strip – Steel, Zinc Plated

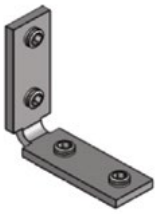


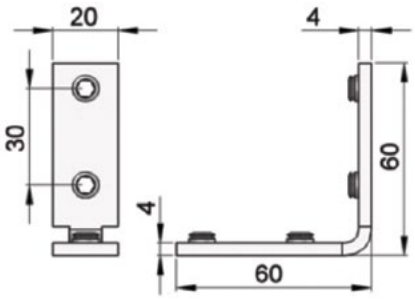


UOM: 10 pcs / pk

FBRX-20C 90° Inner Joint Strip – Steel, Zinc Plated

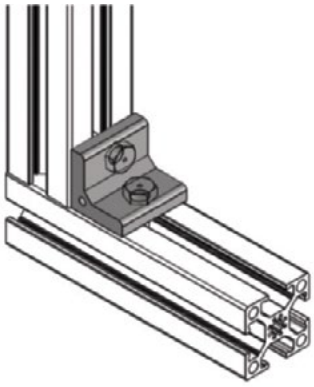


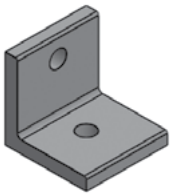


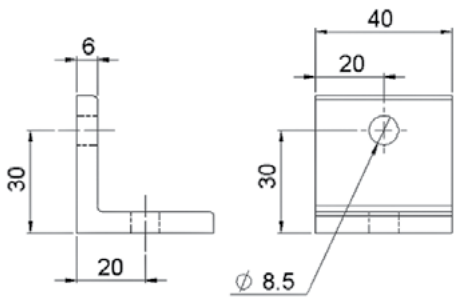


UOM: 10 pcs / pk

FBAB-40x40 Angle Bracket for Support Beam 40x40 - Aluminum



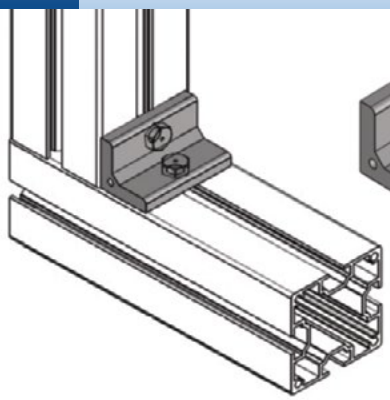


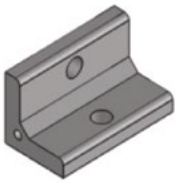


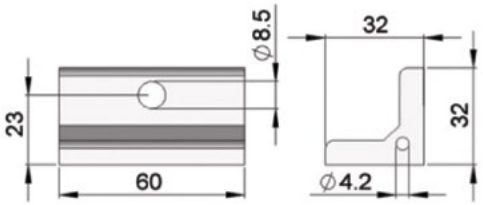
UOM: pc

Mounting: FAHB-M8 x20(2) , FASN-M8 (2) , FAFW-M8 (2)

FBAB-32x60 Angle Bracket for Support Beam 64x64 - Aluminum





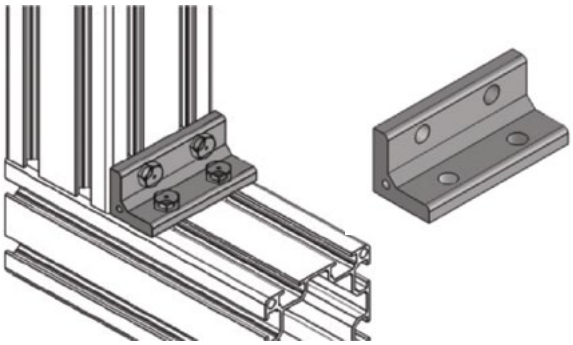


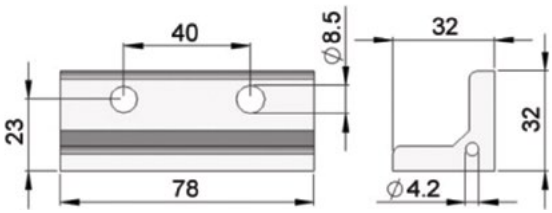
UOM: pc

Mounting: FAHB-M8 x20 (2) , FASN-M8 (2) , FAFW-M8 (2)

FBAB-32x80

Angle Bracket for Support Beam 80x80 - Aluminum



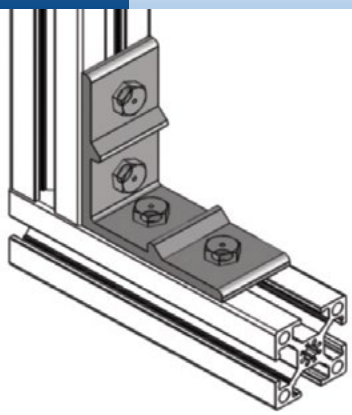


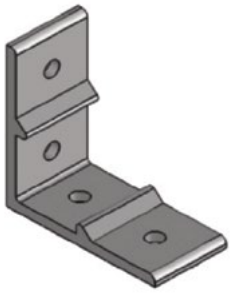
UOM: pc

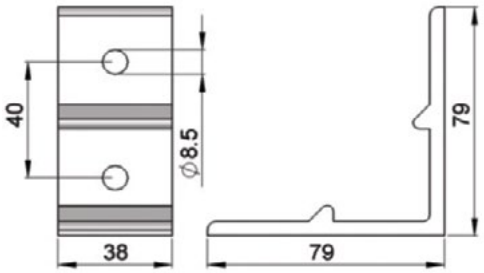
Mounting: FAHB-M8 x20 (4) , FASN-M8 (4) , FAFW-M8 (4)

FBAB-40L

Angle Bracket for Support Beam 40x40 - Aluminum





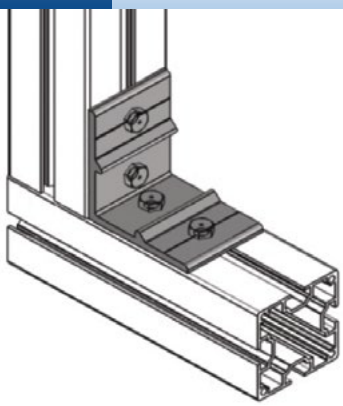


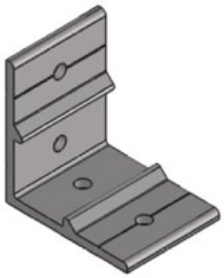
UOM: pc

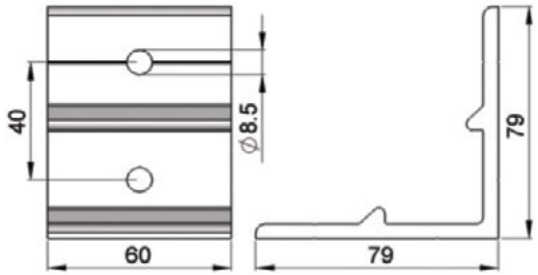
Mounting: FAHB-M8 x 16 (4) , FASN-M8 (4) , FAFW-M8 (4)

FBAB-60L

Angle Bracket for Support Beam 64x64 - Aluminum





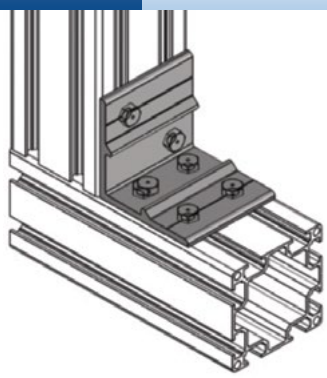


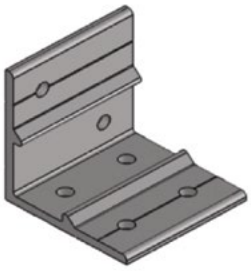
UOM: pc

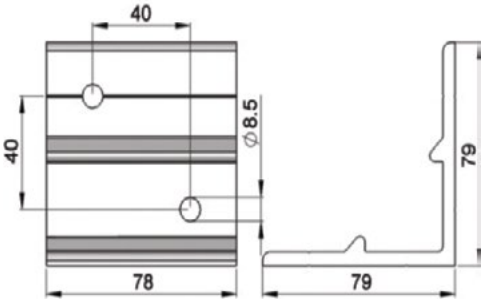
Mounting: FAHB-M8 x 16 (4) , FASN-M8 (4) , FAFW-M8 (4)

FBAB-80L

Angle Bracket for Support Beam 80x80 - Aluminum





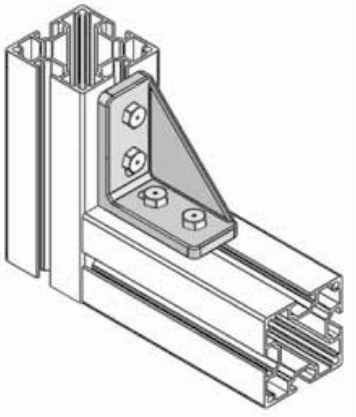


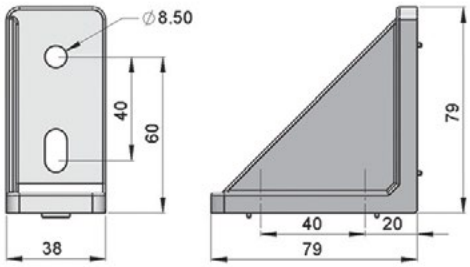
UOM: pc

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



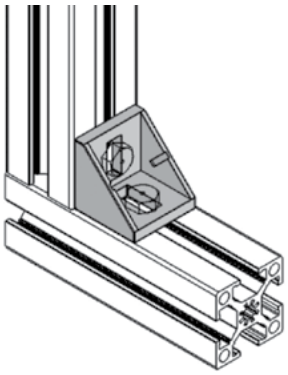


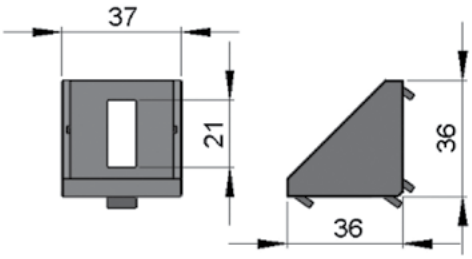
UOM: pc

Mounting: FAHB-M8 x 20 (4) , FASN-M8 (4) , FAFW-M8 (4)

FBAB-40x40A

Angle Bracket for Support Beam 40x40 - Aluminum Die Cast

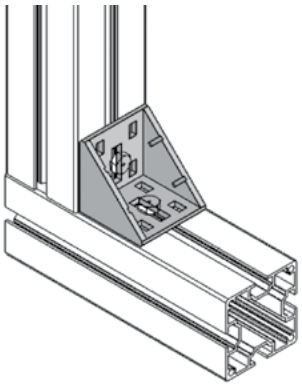


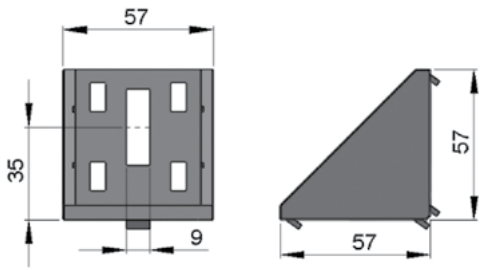


UOM: pc

FBAB-64x64A

Angle Bracket for Support Beam 64x64 - Aluminum Die Cast



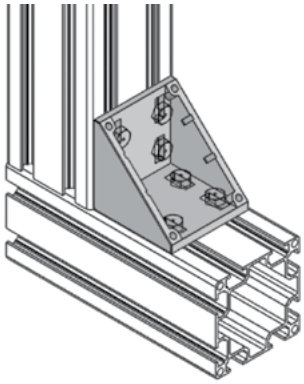


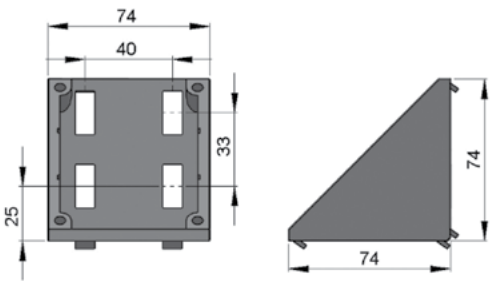
UOM: pc

Mounting: FAHB-M8 x20(2) , FASN-M8 (2) , FAFW-M8 (2)

FBAB-80x80A

Angle Bracket for Support Beam 80x80 - Aluminum Die Cast



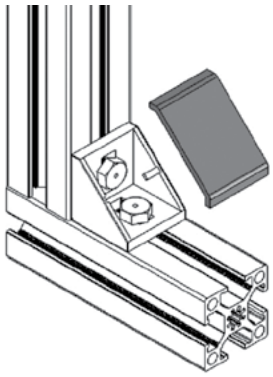


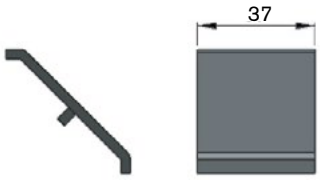
UOM: pc

Mounting: FAHB-M8 x20 (2) , FASN-M8 (2) , FAFW-M8 (2)

FBEC-40x40A

End Cap for FBAB-40x40A angle bracket - Polyamide

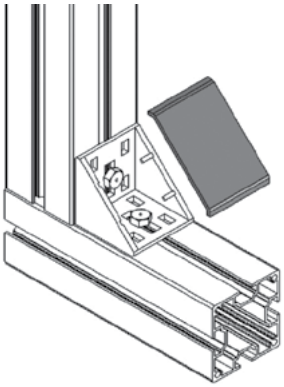


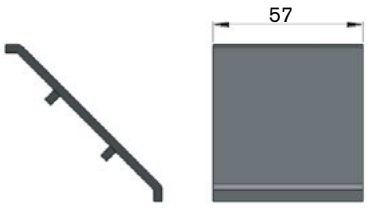


UOM: pc

FBEC-64x64A

End Cap for FBAB-64x64A angle bracket - Polyamide

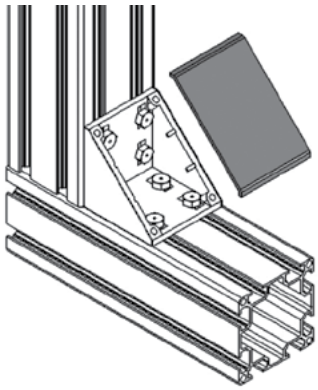


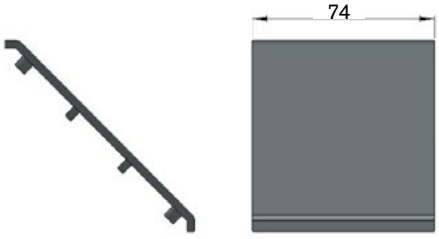


UOM: pc

FBEC-80x80A

End Cap for FBAB-80x80A angle bracket - Polyamide

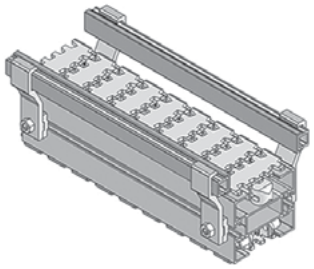


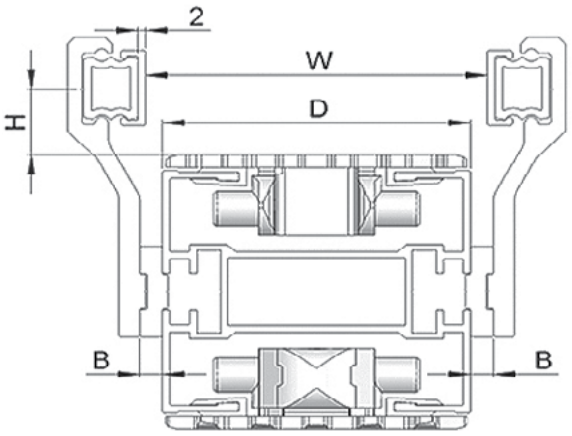


UOM: pc

FGRB-16x54 Fixed Guide Rail Assembly

FGRB-16x54 Assembly





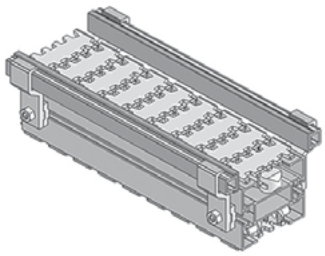
B Spacer = FGRD-6

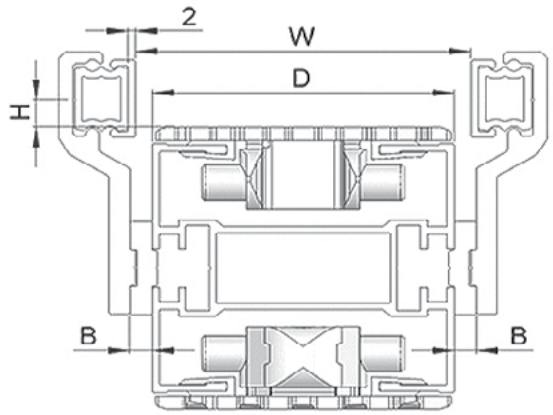
See page 206 for components

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





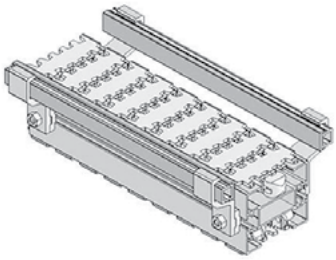
B Spacer = FGRD-6

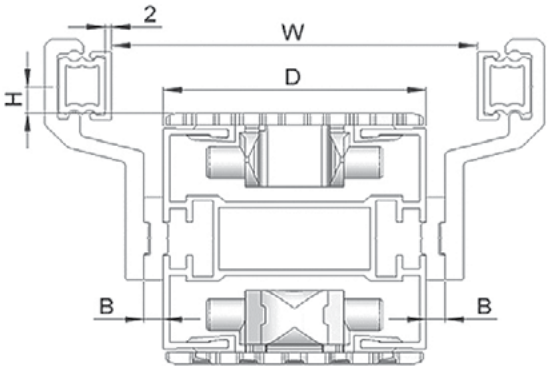
See page 206 for components

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





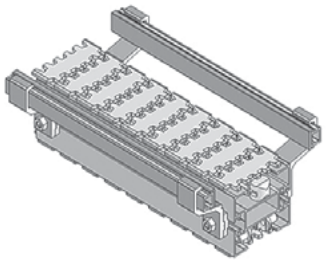
B Spacer = FGRD-6

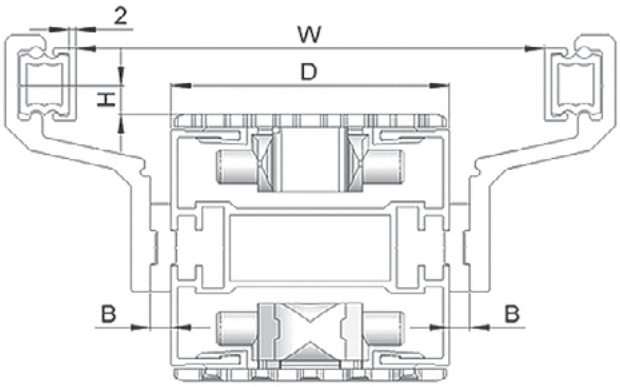
See page 206 for components

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





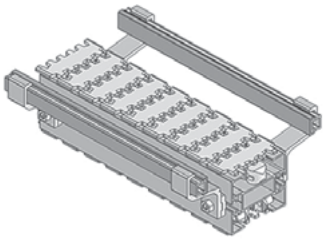
B Spacer = FGRD-6

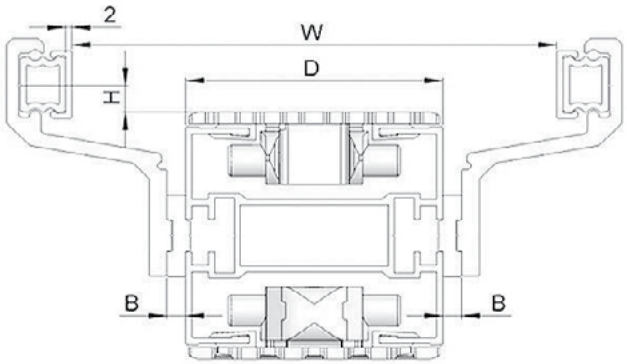
See page 206 for components

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





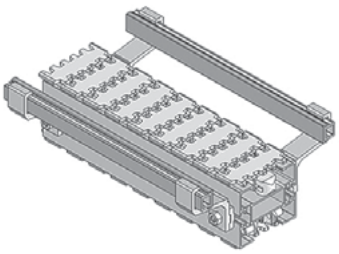
B Spacer = FGRD-6

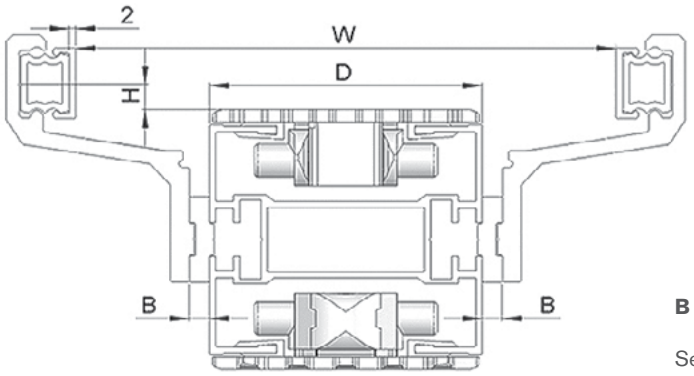
See page 207
for components

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





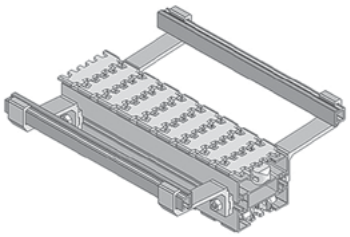
B Spacer = FGRD-6

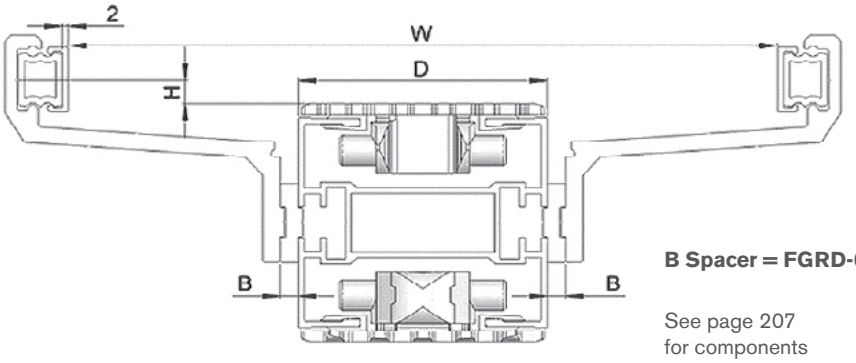
See page 207
for components

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





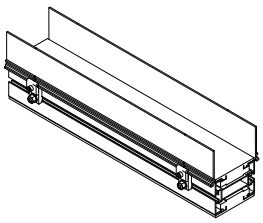
B Spacer = FGRD-6

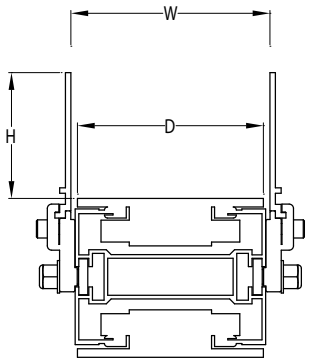
See page 207 for components

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



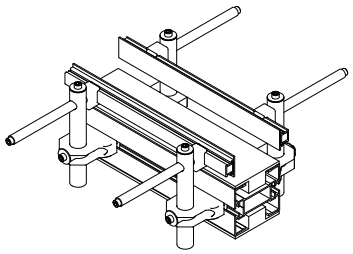


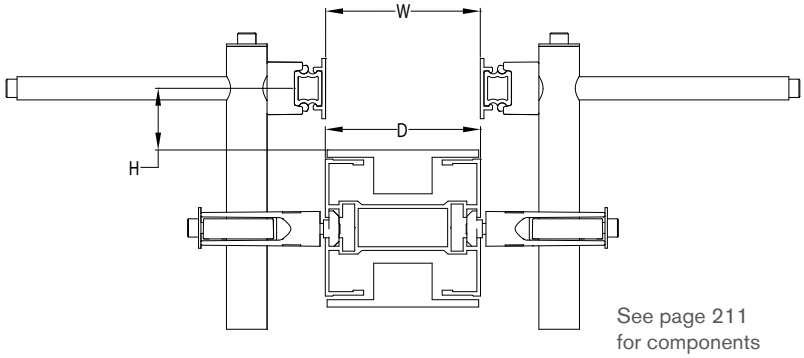
See page 221 for components

Guide Rail Bracket	Series	D (mm)	FGHS-30 Rail H (mm)	FGHS-70 Rail H (mm)	W (mm) B = 0
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



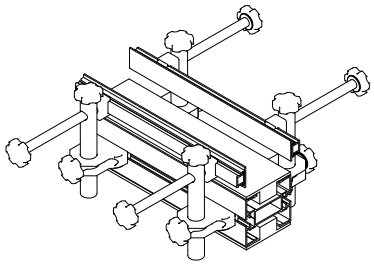


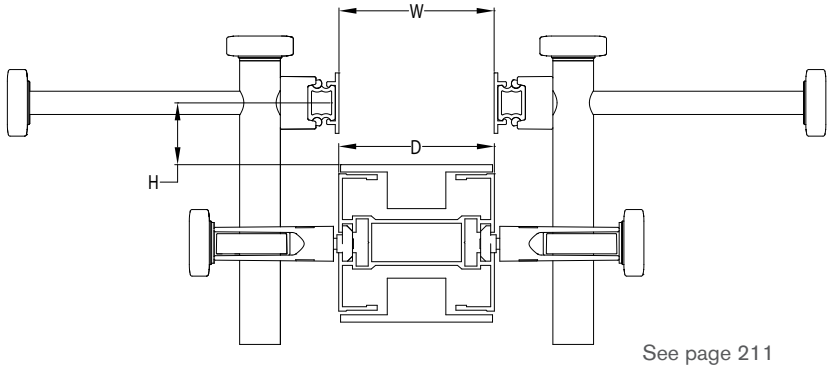
See page 211 for components

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

FGRA-22HDT Assembly



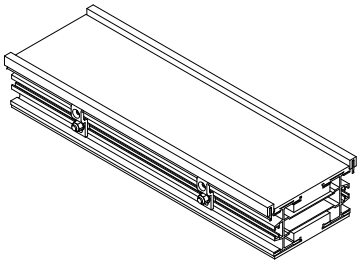


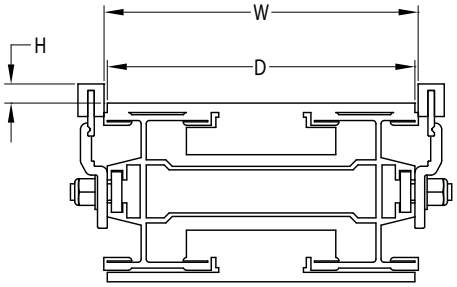
See page 211 for components

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 222 for components

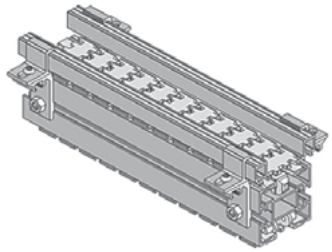
Bracket	Series	D (mm)	H (mm)	W (mm) B = 0
FGRB-PG	FK	45	24	48
FGRB-PG	FS	65	18	68
FGRB-PG	FM	85	18	88
FGRB-PG	FC	105	18	108
FGRB-PG	FL	150	18	153
FGRB-PG	FU	179	18	182
FGRB-PG	FV	260	18	263

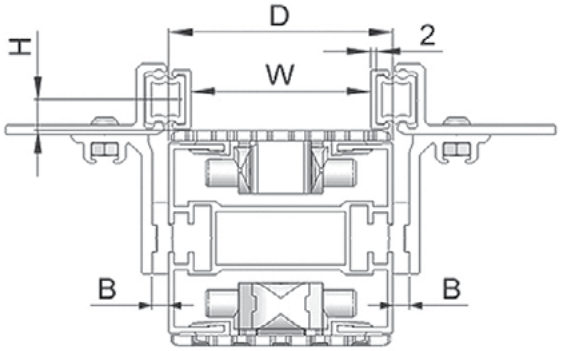
Note:

- 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





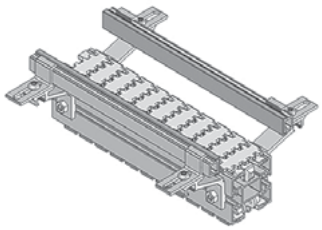
B Spacer = FGRD-6

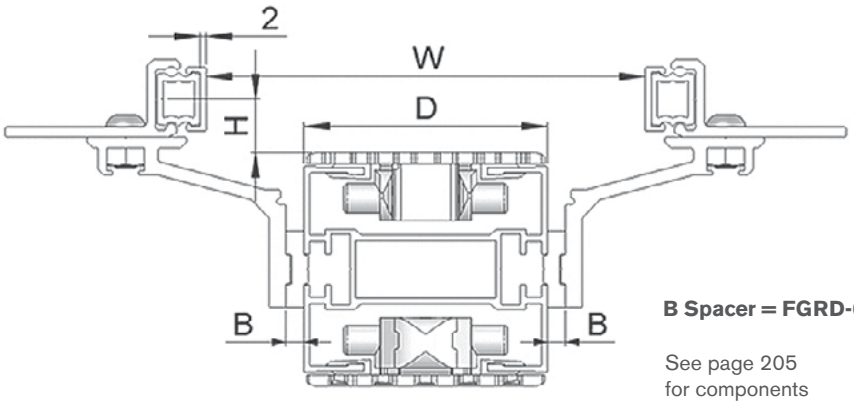
See page 205 for components

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



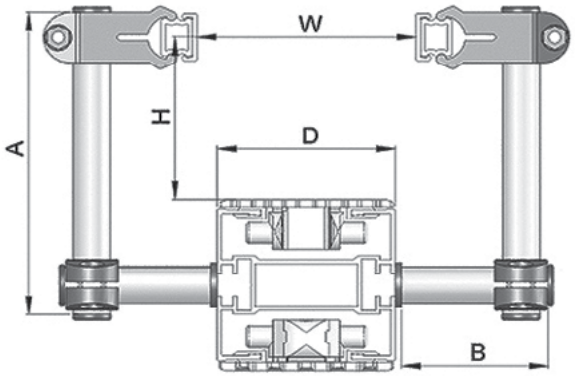


B Spacer = FGRD-6

See page 205 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

FGRS-18 & FGDT- & FGRR- Guide Rail Assembly

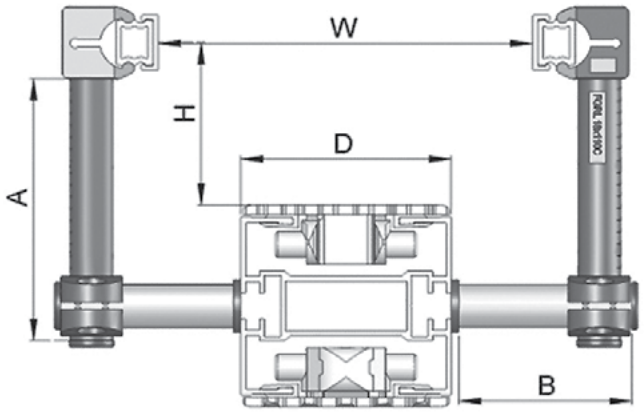


See pages 204, 209 and 213 for components

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)	W (mm) Min	W (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

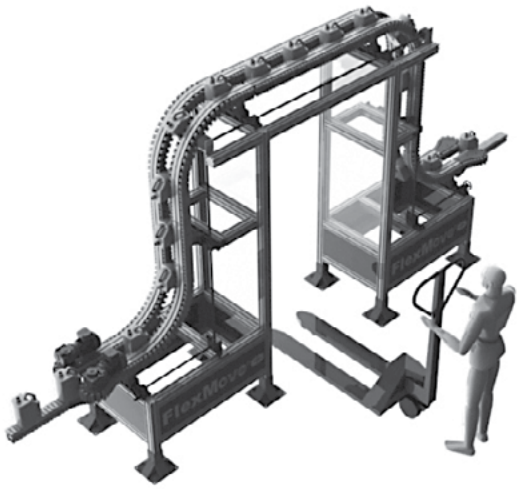


Guide Rail Assembly

Note: Plastic guide supports used for light products.

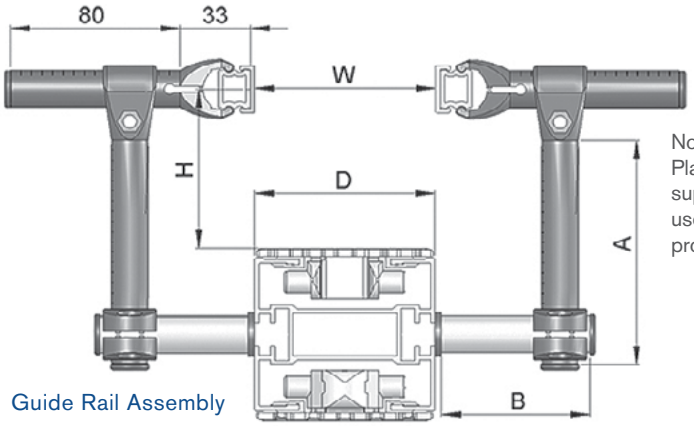
See pages 204 and 214 for components

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)	W (mm) Min	W (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-18x110CA & FGDT-70
- FGRL-18x110CA & FGDT-100
- FGRL-18x110CA & FGDT-150
- FGRL-18x110CA & FGDT-200
- FGRL-18x160CA & FGDT-70
- FGRL-18x160CA & FGDT-100
- FGRL-18x160CA & FGDT-150
- FGRL-18x160CA & FGDT-200



Guide Rail Assembly

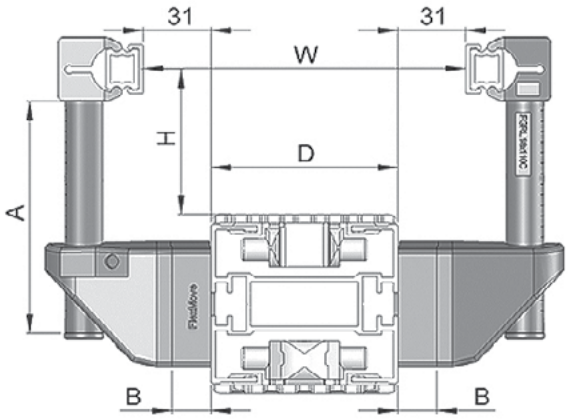
Note: Plastic guide supports used for light products.

See pages 204 and 214 for components

A (mm)	Series	D (mm)	H (mm) Min	H (mm) Max
FGRL-18x110CA	FK	45	14	70
FGRL-18x110CA	FS	65	14	70
FGRL-18x110CA	FM	85	14	65
FGRL-18x110CA	FC	105	14	65
FGRL-18x110CA	FL	150	14	65
FGRL-18x110CA	FU	179	14	65
FGRL-18x110CA	FV	260	14	65
FGRL-18x160CA	FK	45	14	120
FGRL-18x160CA	FS	65	14	120
FGRL-18x160CA	FM	85	14	115
FGRL-18x160CA	FC	105	14	115
FGRL-18x160CA	FL	150	14	115
FGRL-18x160CA	FU	179	14	115
FGRL-18x160CA	FV	260	14	115

B (mm)	Series	D (mm)	W (mm) Min	W (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



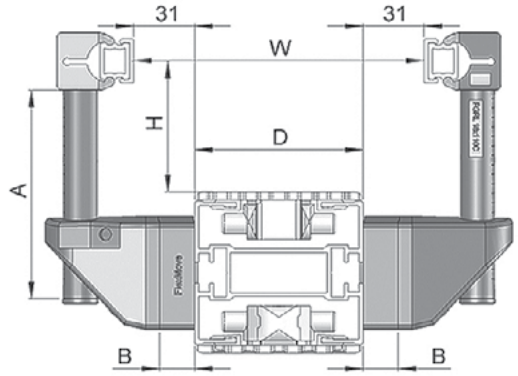
Note:
Plastic guide supports used for light products.

B Spacer = FGRD-18A

See pages 214 and 216 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



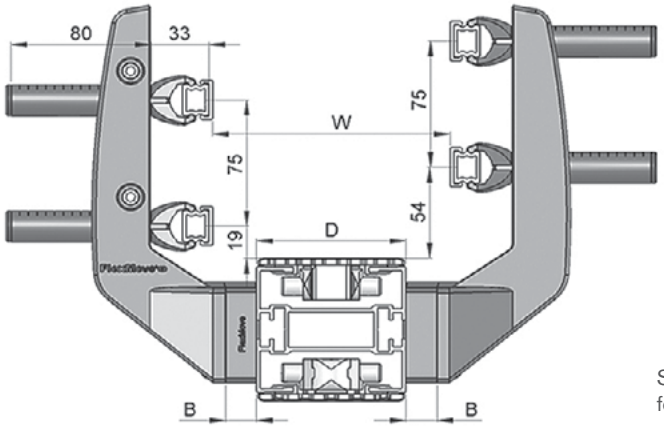
Note:
Plastic guide supports used for light products.

B Spacer = FGRD-18A

See pages 214 and 216 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

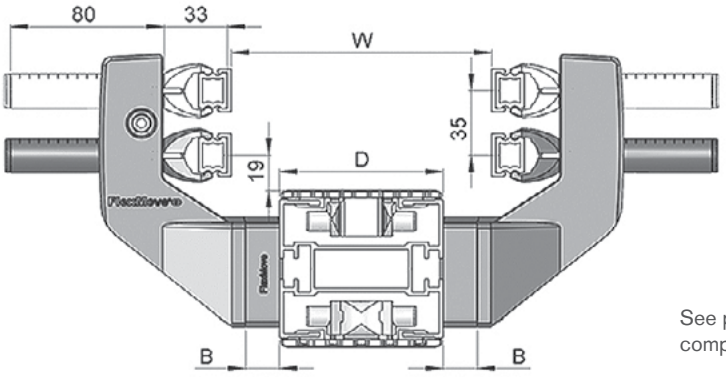


B Spacer = FGRD-18A

See pages 216 and 217 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



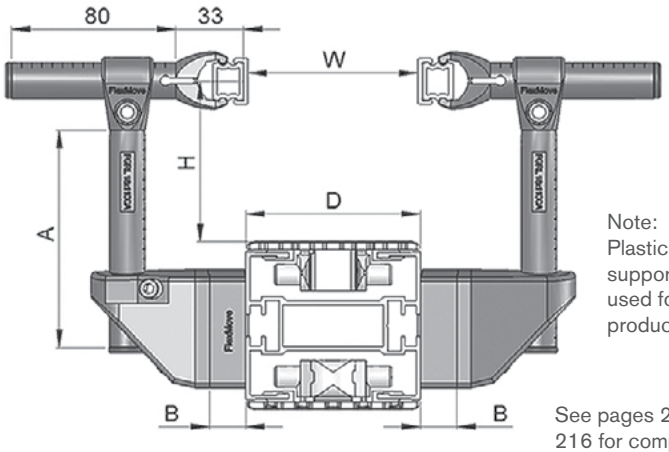
B Spacer = FGRD-18A

See pages 216 and 217 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



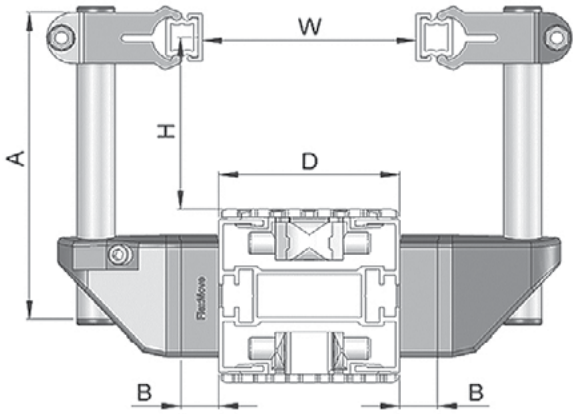
Note:
Plastic guide supports used for light products.

B Spacer = FGRD-18A

See pages 215 and 216 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-18x110CA	FK	45	3	83	3	138	0	0	30
FGRL-18x110CA	FS	65	3	83	3	138	0	0	50
FGRL-18x110CA	FM	85	3	83	3	133	0	0	70
FGRL-18x110CA	FC	105	3	83	3	133	0	0	90
FGRL-18x110CA	FL	150	3	83	3	133	0	25	135
FGRL-18x110CA	FU	179	3	83	3	133	0	54	164
FGRL-18x110CA	FV	260	3	83	3	133	0	135	245
FGRL-18x110CA	FK	45	3	83	3	138	18	0	78
FGRL-18x110CA	FS	65	3	83	3	138	18	0	86
FGRL-18x110CA	FM	85	3	83	3	133	18	0	106
FGRL-18x110CA	FC	105	3	83	3	133	18	16	126
FGRL-18x110CA	FL	150	3	83	3	133	18	61	171
FGRL-18x110CA	FU	179	3	83	3	133	18	90	200
FGRL-18x110CA	FV	260	3	83	3	133	18	271	381
FGRL-18x110CA	FK	45	3	83	3	138	36	0	112
FGRL-18x110CA	FS	65	3	83	3	138	36	12	132
FGRL-18x110CA	FM	85	3	83	3	133	36	32	152
FGRL-18x110CA	FC	105	3	83	3	133	36	52	172
FGRL-18x110CA	FL	150	3	83	3	133	36	97	217
FGRL-18x110CA	FU	179	3	83	3	133	36	126	246
FGRL-18x110CA	FV	260	3	83	3	133	36	207	327
FGRL-18x110CA	FK	45	3	83	3	138	54	28	148
FGRL-18x110CA	FS	65	3	83	3	138	54	48	168
FGRL-18x110CA	FM	85	3	83	3	133	54	68	188
FGRL-18x110CA	FC	105	3	83	3	133	54	88	208
FGRL-18x110CA	FL	150	3	83	3	133	54	133	243
FGRL-18x110CA	FU	179	3	83	3	133	54	162	272
FGRL-18x110CA	FV	260	3	83	3	133	54	243	353

FGRF-42x18V FGRS-18 & FGDT-150 Guide Rail Assembly

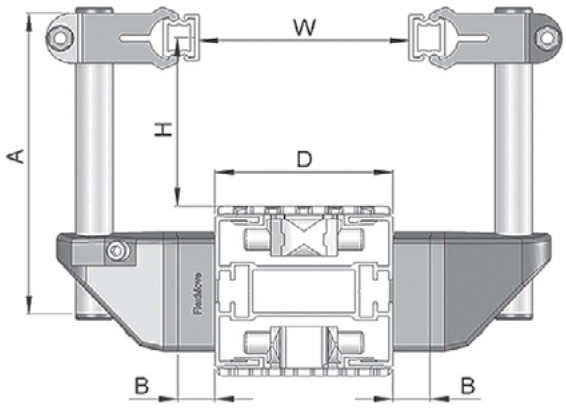


B Spacer = FGRD-18A

See pages 204, 213 and 216 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

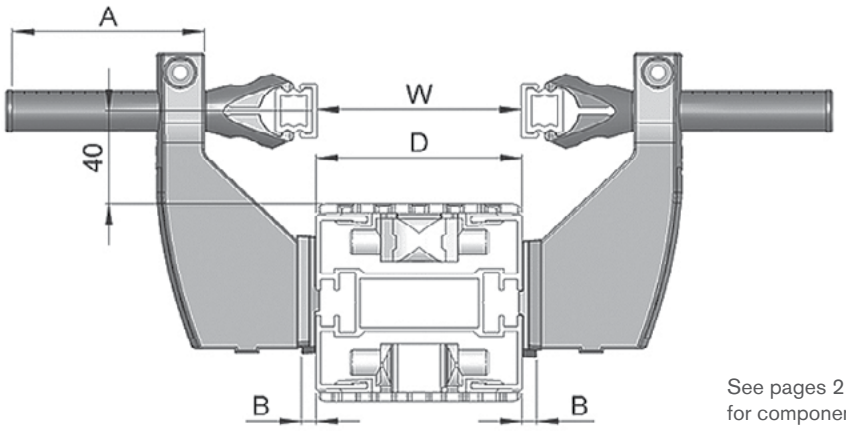


B Spacer = FGRD-18A

See pages 204, 213 and 216 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



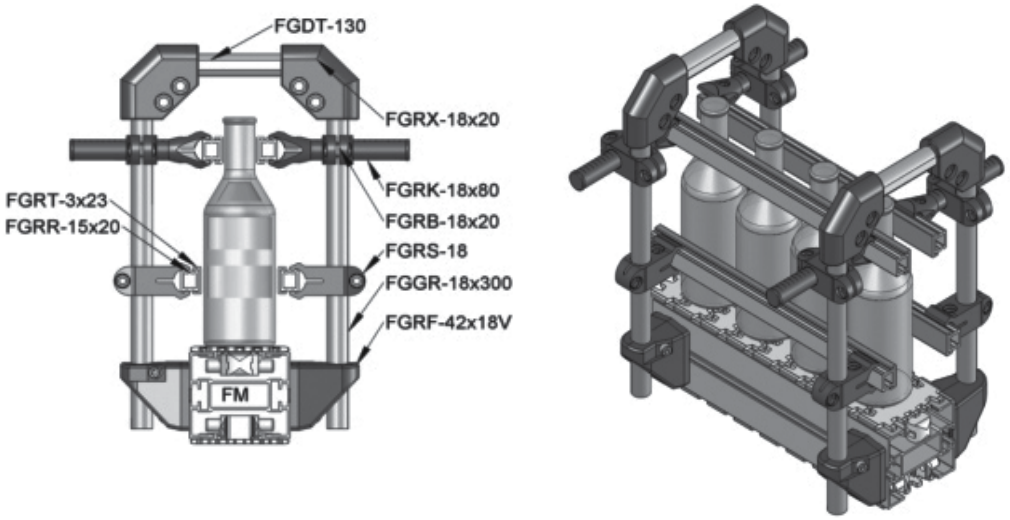
B Spacer = FGRD-6B

See pages 215 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

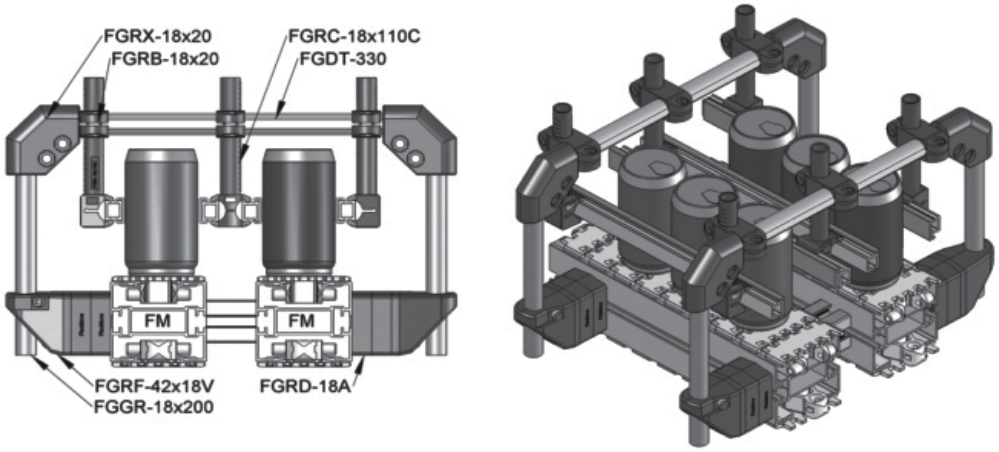
Bottling Guide Rail Assembly

Bottles Handling



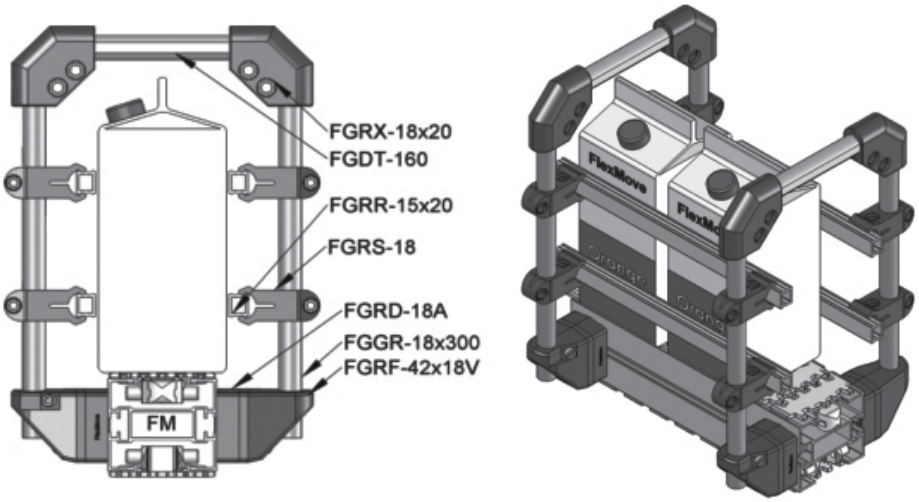
Double Track Guide Rail Assembly

Cans Handling



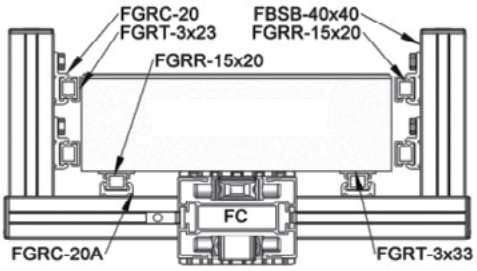
Duo-Layer Guide Rail Assembly

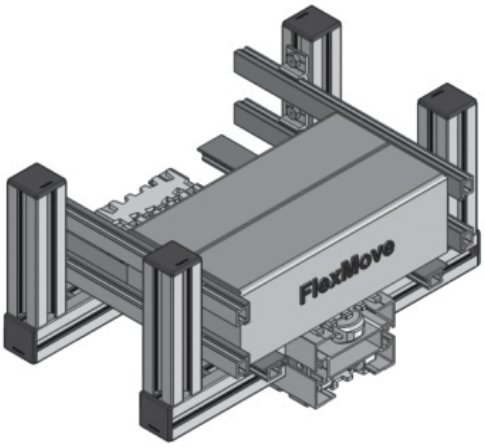
Box Handling



Extra Bottom Guide Rail Assembly

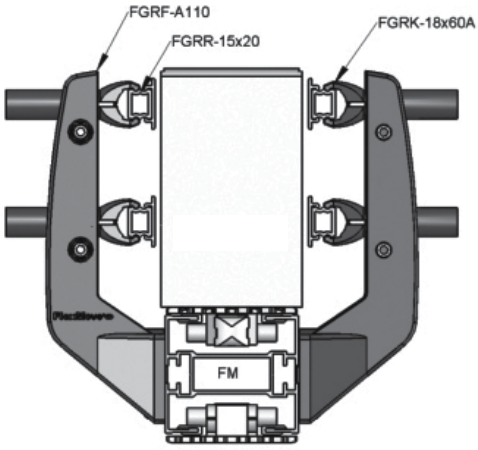
Carton Box Handling

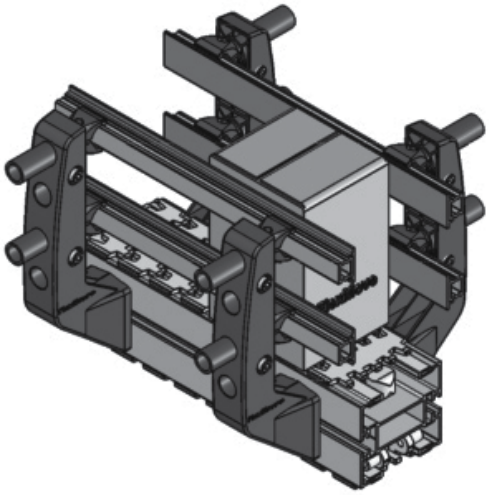




Width Adjustment Guide Rail Assembly

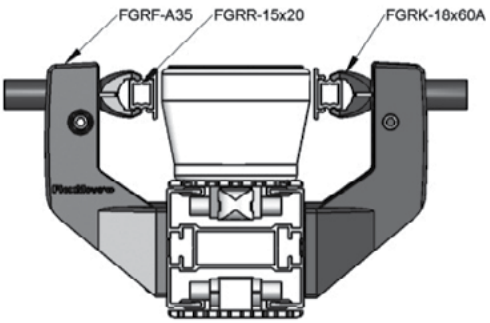
Packaging Box Handling

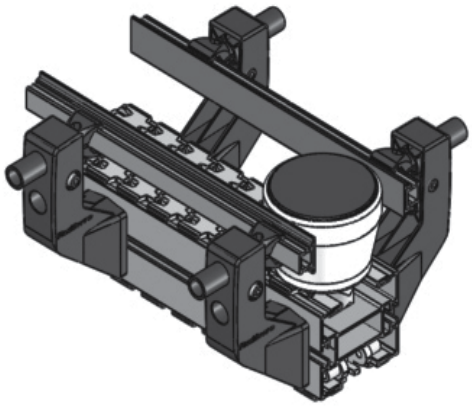




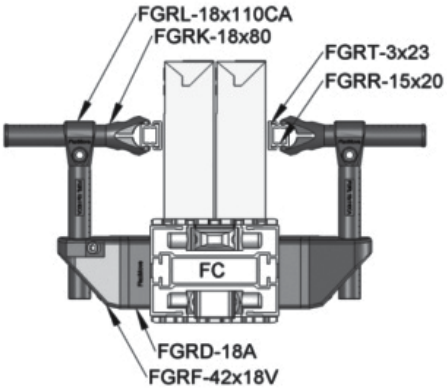
Width Adjustment Guide Rail Assembly

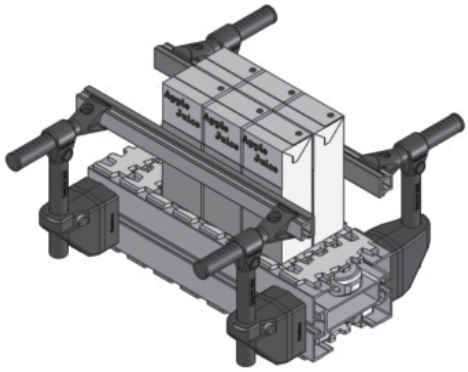
Container Handling



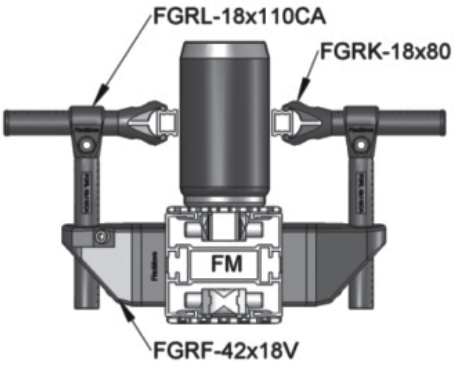


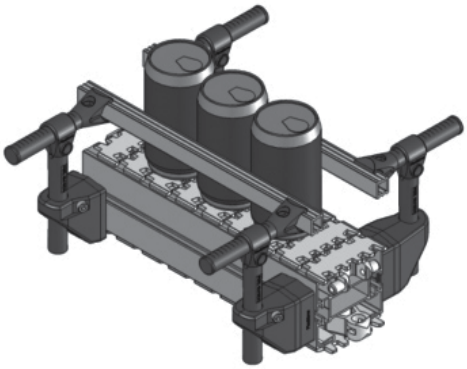
Width & Height Adjustable Guide Rail Assembly — Box Handling



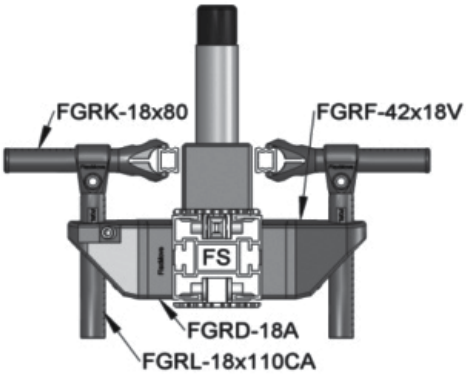


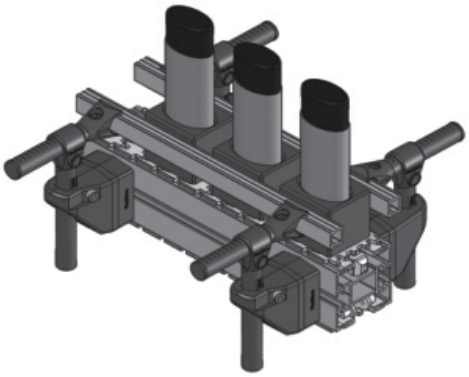
Width & Height Adjustable Guide Rail Assembly — Cans Handling



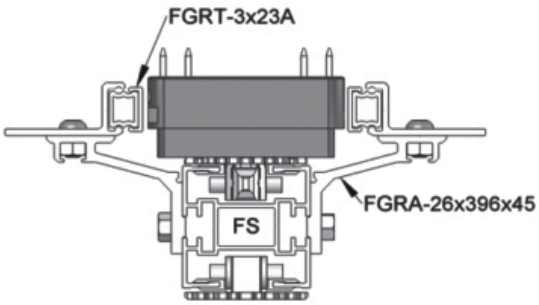


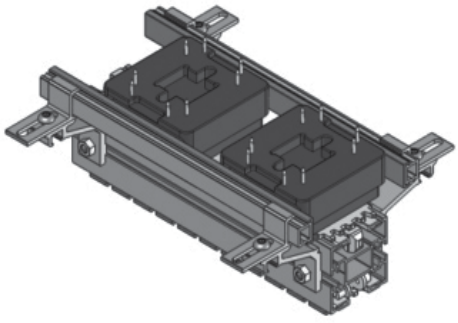
Width & Height Adjustable Guide Rail Assembly — Pucks Handling





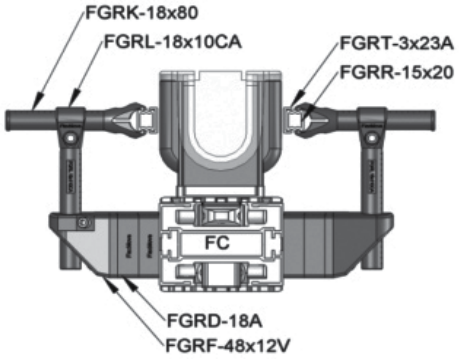
Pallet Assembly Line Guide Rail — Electronic Assembly Handling

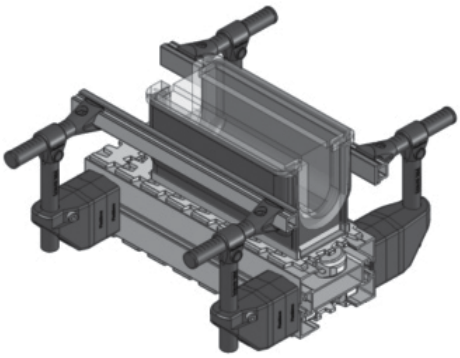




Cassette Guide Rail Assembly

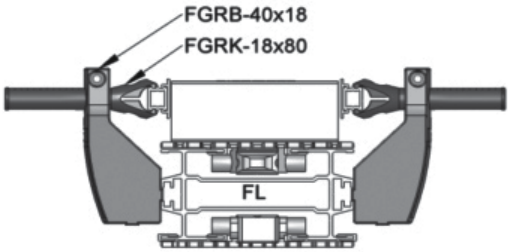
Disc Drive Cassette Handling

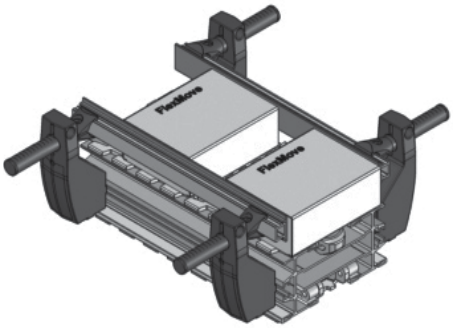




Width Adjustable Guide Rail Assembly

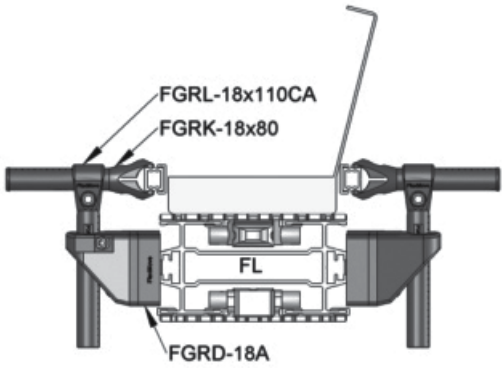
Box Handling

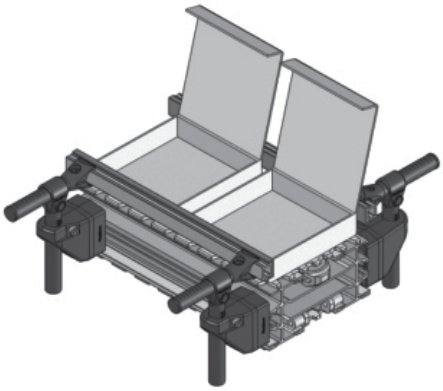




Width & Height Adjustable Guide Rail Assembly

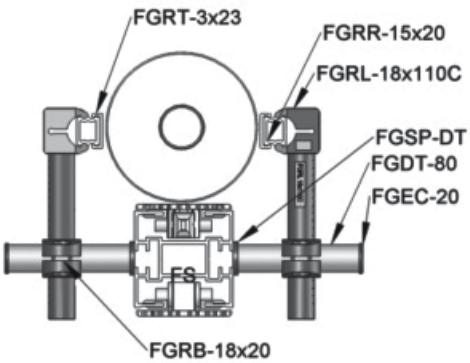
Packaging Box Handling

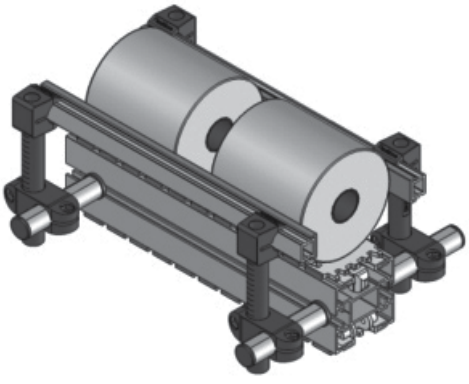




Width & Height Guide Rail Assembly

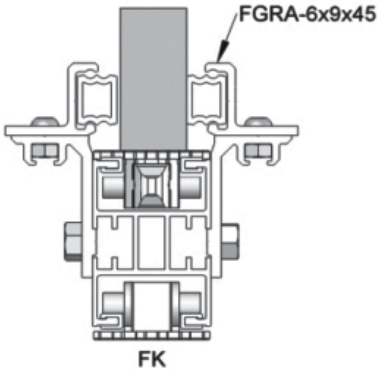
Paper Converting Handling

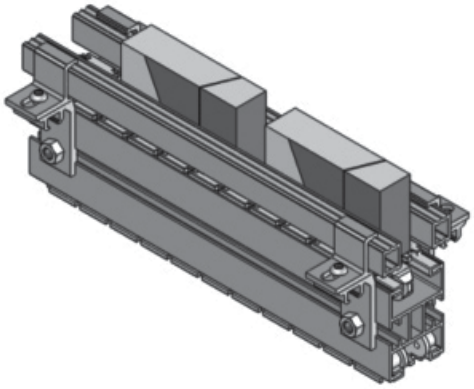




Small Box Guide Rail Assembly

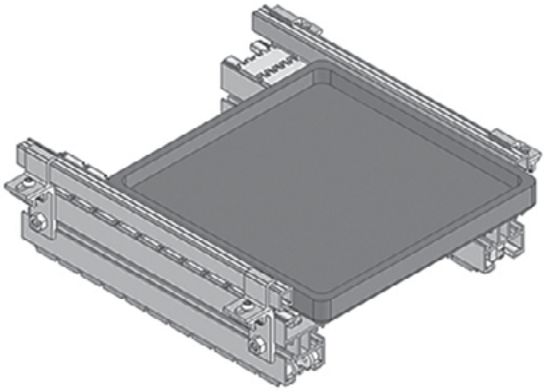
Small Box Handling





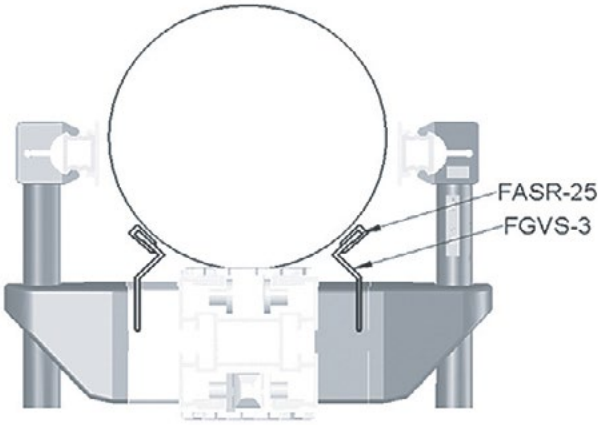
Twin Track Pallet Guide Rail Assembly

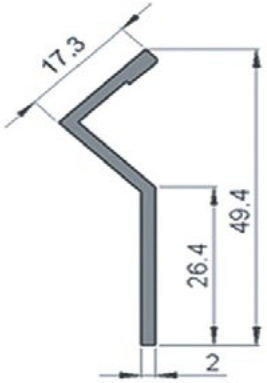
Pallet Handling



FGVG-3

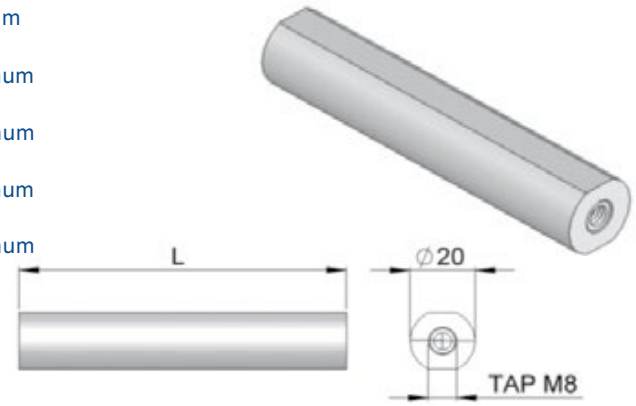
Special V Guide - Aluminum





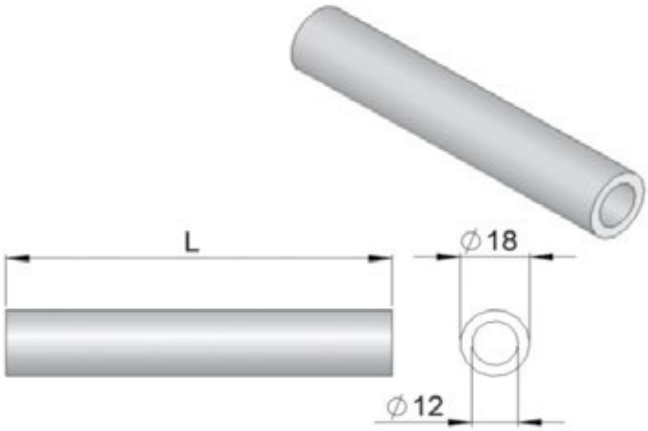
UOM: 3 meter / length

FGDT-70	Distance Tube, L = 70 mm - Aluminum
FGDT-80	Distance Tube, L = 80 mm - Aluminum
FGDT-100	Distance Tube, L = 100 mm - Aluminum
FGDT-150	Distance Tube, L = 150 mm - Aluminum
FGDT-200	Distance Tube, L = 200 mm - Aluminum
FGDT-250	Distance Tube, L = 250 mm - Aluminum



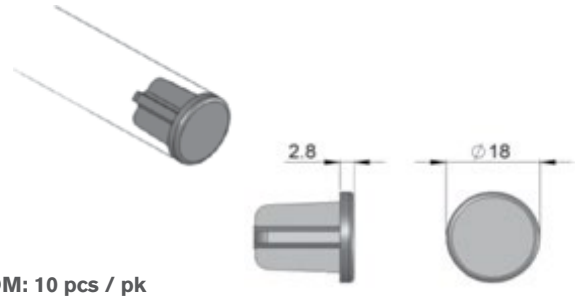
UOM: 10 pcs / pk

FGGR-18X100	18mm Tube, L = 100 mm - Aluminum
FGGR-18X150	18mm Tube, L = 150 mm - Aluminum
FGGR-18X200	18mm Tube, L = 200 mm - Aluminum
FGGR-18X250	18mm Tube, L = 250 mm - Aluminum
FGGR-18X300	18mm Tube, L = 300 mm - Aluminum



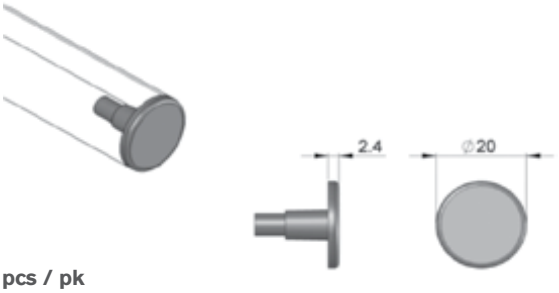
UOM: 10 pcs / pk

FGEC-18	End cap. 18 mm Tube - Polyamide



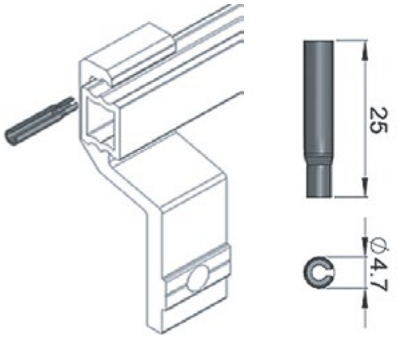
UOM: 10 pcs / pk

FGEC-20	End cap , Distance Tube - Polyamide



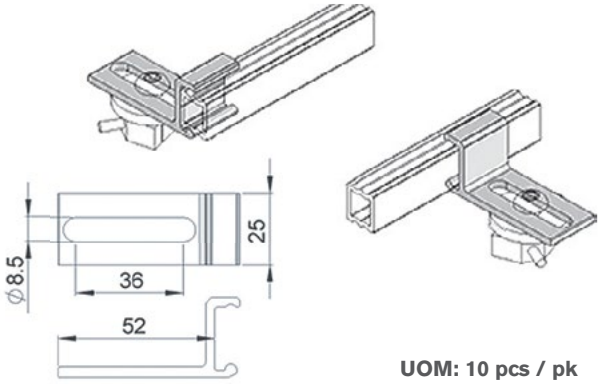
UOM: 10 pcs / pk

FGAP-25	Spring Pin - Steel



UOM: 50pcs / pk

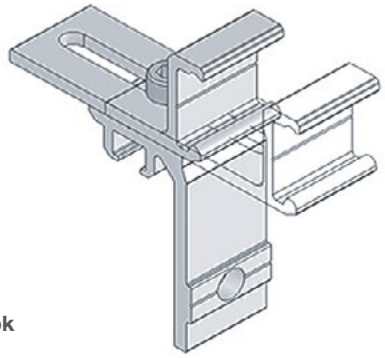
FGRA-26x39x45A	Bracket for sensor - Aluminum

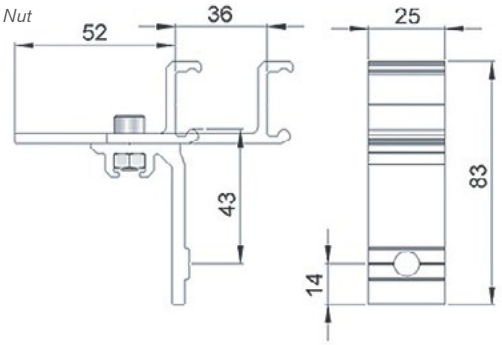


UOM: 10 pcs / pk

FGRA-8x39x45 Adjustable Guide Rail Bracket - Aluminum

Including spring pin, M6 screw & Nut

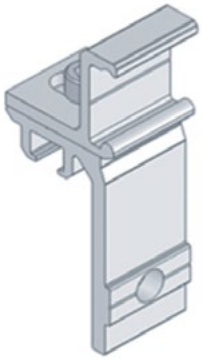


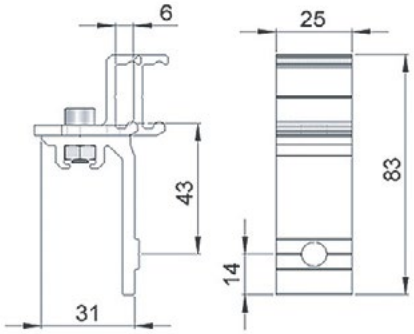


UOM: 10 pcs / pk

Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

FGRA-8x9x45 Adjustable Guide Rail Bracket - Aluminum



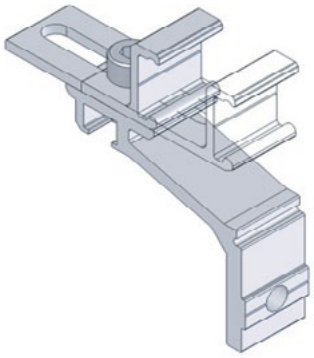


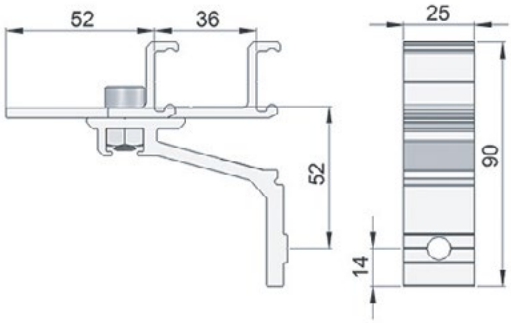
UOM: 10 pcs / pk

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



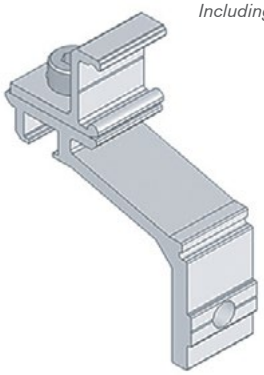


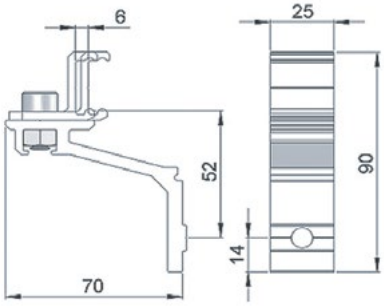
UOM: 10 pcs / pk

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



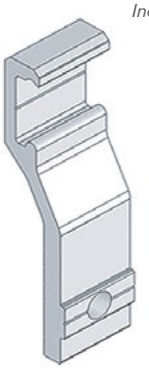


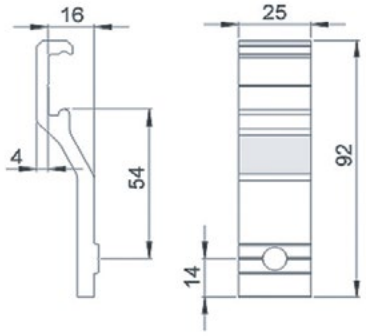
UOM: 10 pcs / pk

Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

FGRB-16x54 Fixed Guide Rail Bracket - Aluminum

Including spring pin.



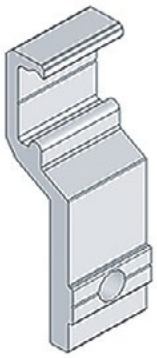


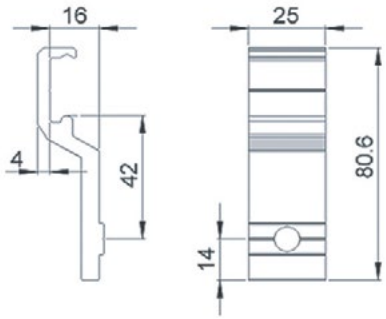
UOM: 10 pcs / pk

Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

FGRB-16x42 Fixed Guide Rail Bracket - Aluminum

Including spring pin.



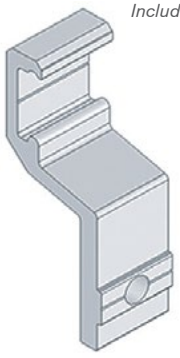


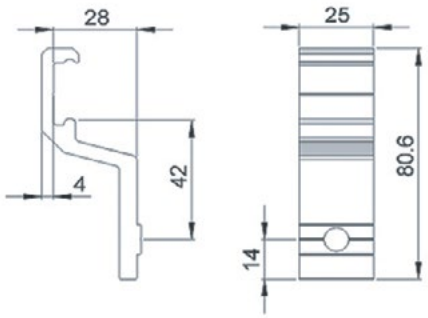
UOM: 10 pcs / pk

Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

FGRB-28x42 Fixed Guide Rail Bracket - Aluminum

Including spring pin.



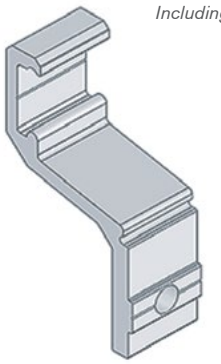


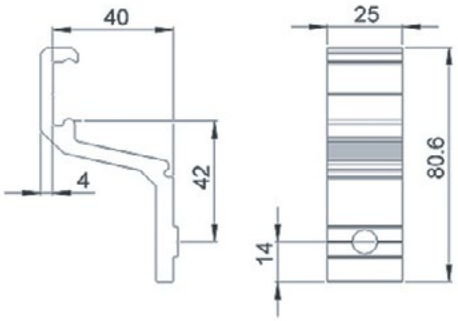
UOM: 10 pcs / pk

Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

FGRB-40x42 Fixed Guide Rail Bracket - Aluminum

Including spring pin.



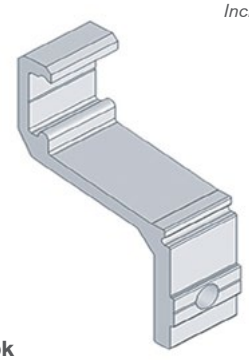


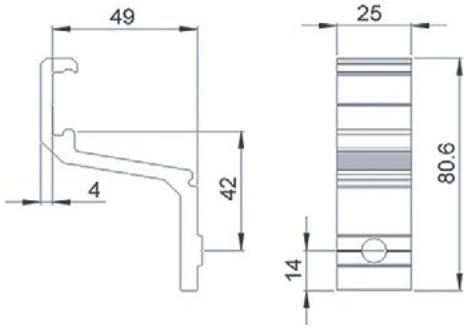
UOM: 10 pcs / pk

Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

FGRB-49x42 Fixed Guide Rail Bracket - Aluminum

Including spring pin.



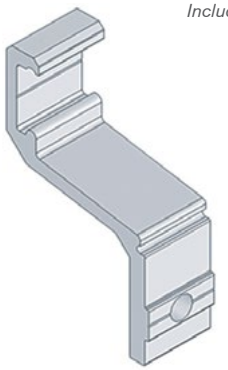


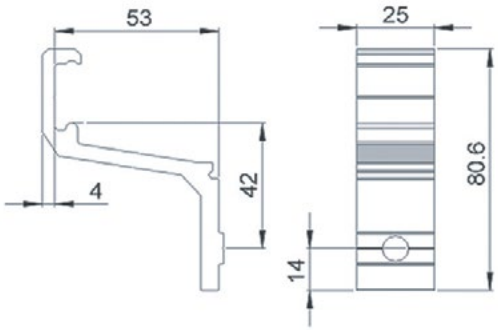
UOM: 10 pcs / pk

Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

FGRB-53x42 Fixed Guide Rail Bracket - Aluminum

Including spring pin.



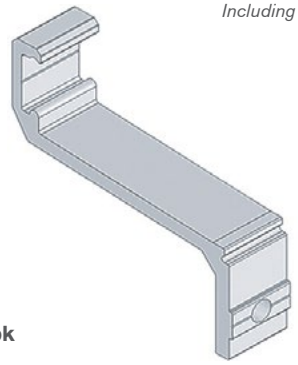


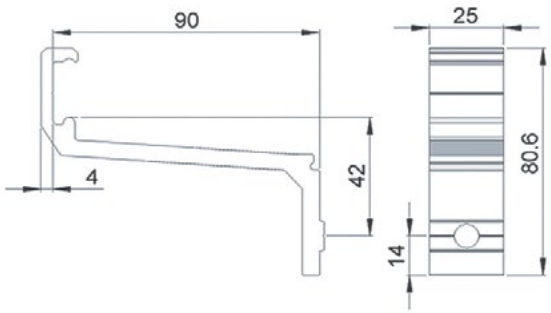
UOM: 10 pcs / pk

Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

FGRB-90x42 Fixed Guide Rail Bracket - Aluminum

Including spring pin.

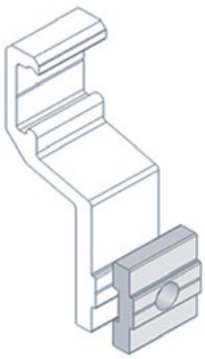


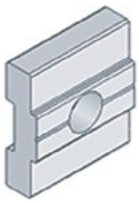


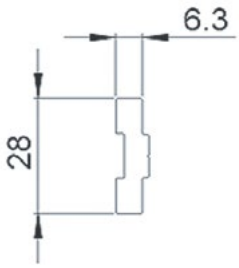
UOM: 10 pcs / pk

Mounting to beam : FATB-20 (1) , FALN-M8 (1) , FAFW-M8 (1)

FGRD-6 Guide Rail Bracket Spacer - Aluminum

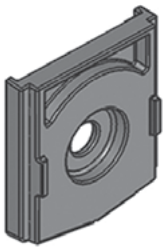


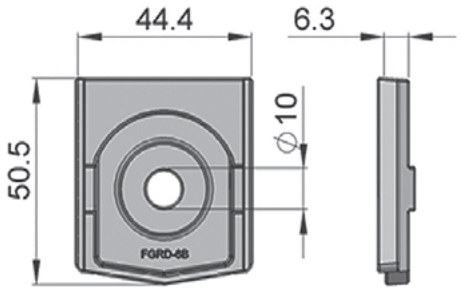




UOM: 10 pcs / pk

FGRD-6B — Spacer for FGRB-40x ## - Polyamide (## = Diameter in mm)

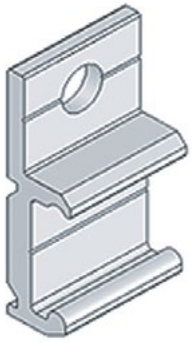


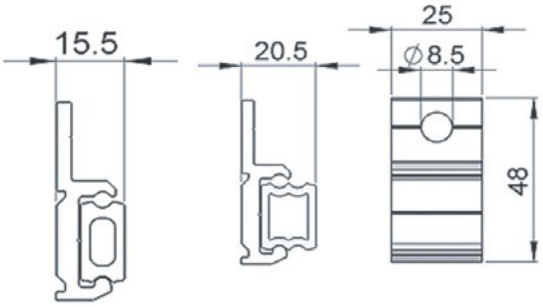


UOM: 10 pcs / pk

For use with guide rail bracket support:
FGRB – 40 x 18 / 20
FGRB – 40 x 15 x 20

FGRC-20 — Guide Rail Support - Aluminum

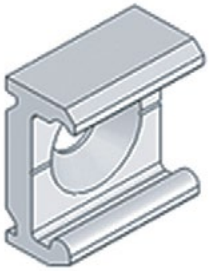


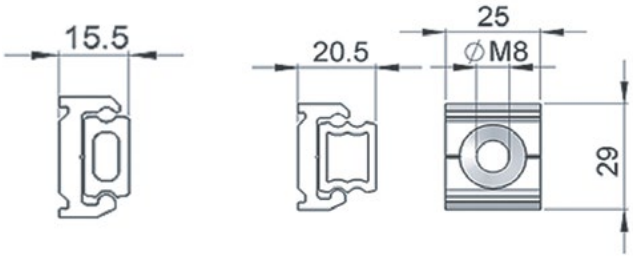


UOM: 10 pcs / pk

Mounting: FAHB-M8 x 12 (1) , FASN-M8 (1) , FAFW-M8 (1)

FGRC-20A — Guide Rail Support - Aluminum

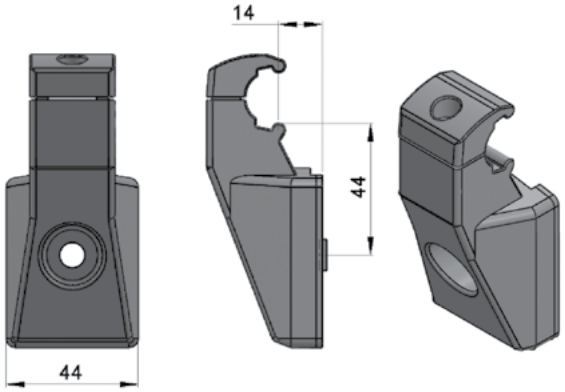




UOM: 10 pcs / pk

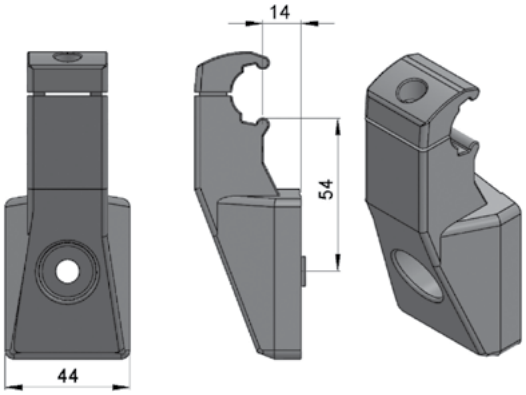
Mounting: C'SUNK M8 x 12

FGRB-16x42C — Guide Rail Bracket - Polyamide



UOM: 10pcs / pk

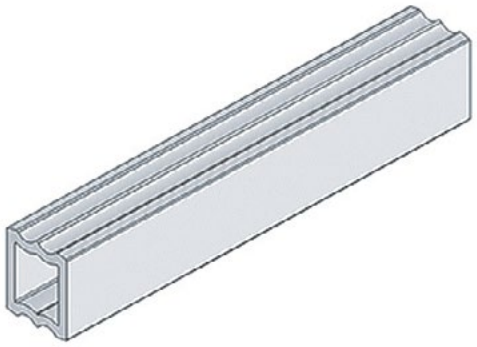
FGRB-16x52C — Guide Rail Bracket - Polyamide

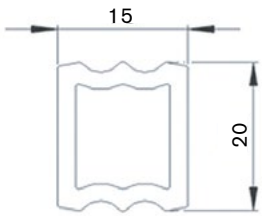


UOM: 10pcs / pk

FGRR-15x20

Guide Rail Rectangular, 15mm x 20 mm - Aluminum

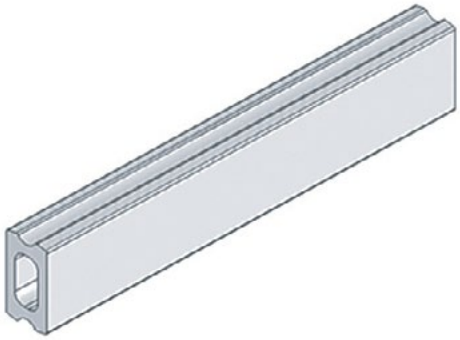


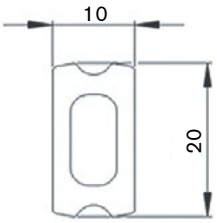


UOM: 3 meter / length

FGRR-10x20

Guide Rail Rectangular, 10 mm x 20 mm - Aluminum

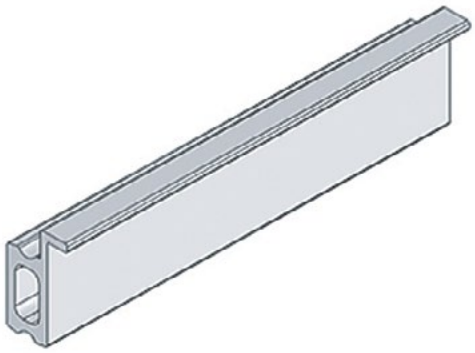


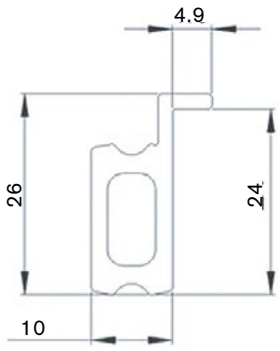


UOM: 3 meter / length

FGRR-10x20F

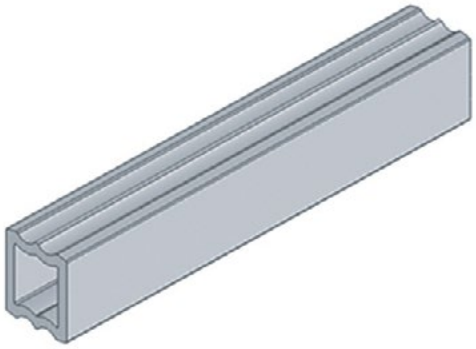
Guide Rail Rectangular, 10 mm x 20 mm Type F - Aluminum

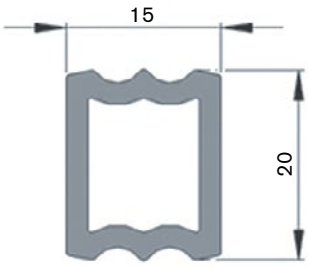




UOM: 3 meter / length

FGRR-15X20P — Guide Rail Rectangular, 15mm x 20 mm – HDPE

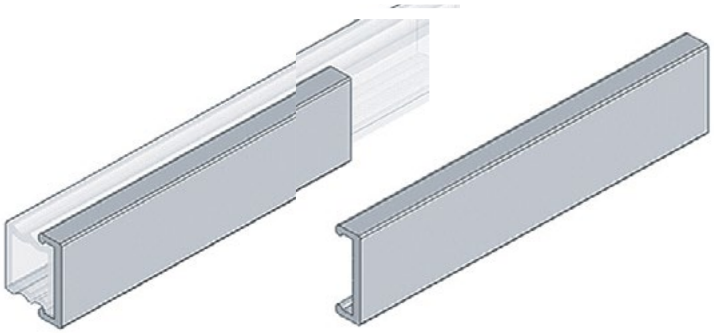


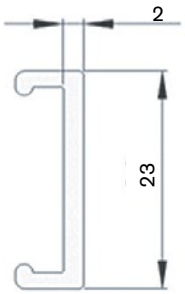


UOM: 3 meter / length

FGRT-3x23 — Guide Rail Cover - HDPE

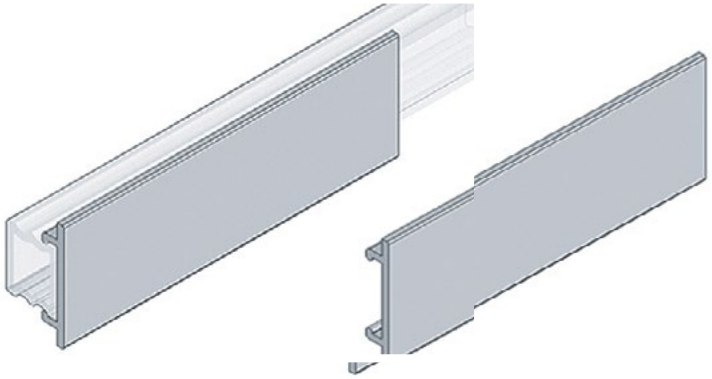
FGRT-3x23A — Guide Rail Cover – HDPE (Conductive)

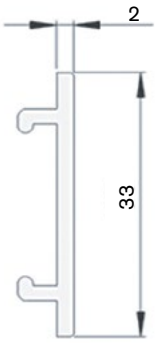




UOM: 3 meter / length

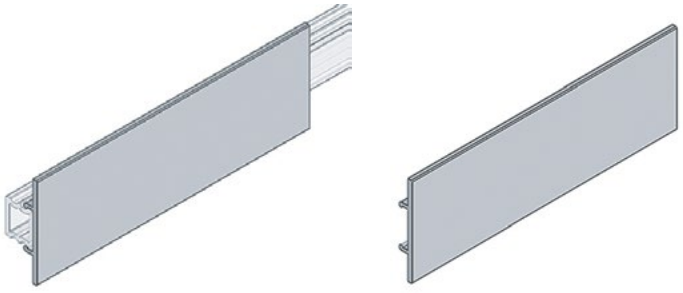
FGRT-3x33 — Guide Rail Cover - HDPE

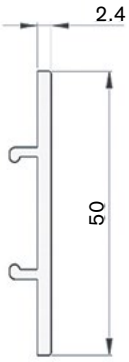




UOM: 3 meter / length

FGRT-3x50 — Guide Rail Cover - HDPE

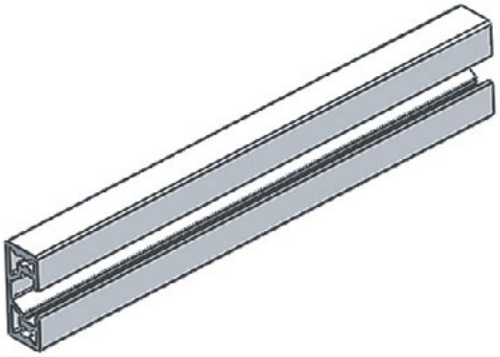


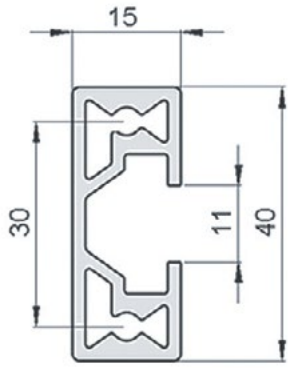


UOM: 3 meter / length

FGRR-15x40

Guide Rail Rectangular, 15mm x 40 mm – Aluminum

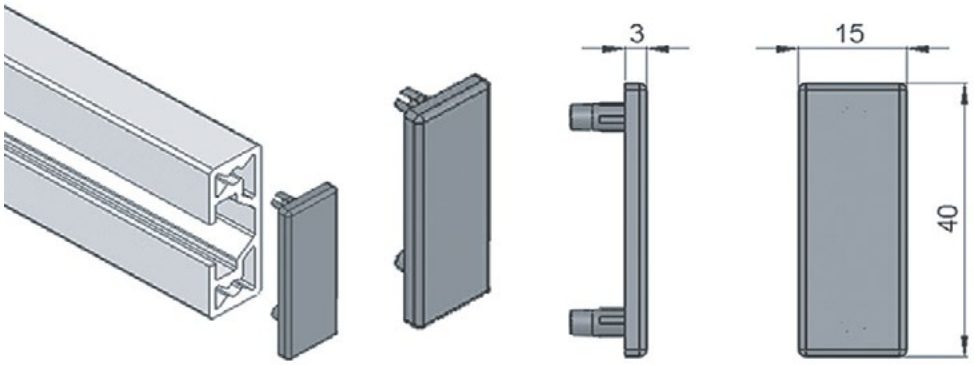




UOM: 3 meter / length

FGEC-15x40

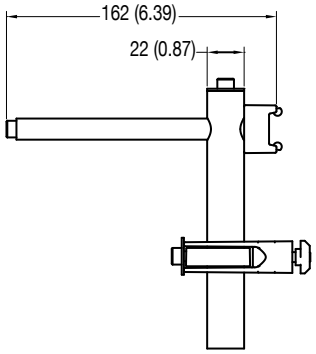
End Cap for FGRR-15x40 - Polyamide



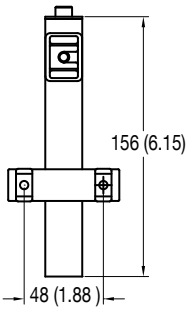
UOM: 10pcs / pk

FGRA-22HD

Guide Rail Support Assembly, Heavy Duty



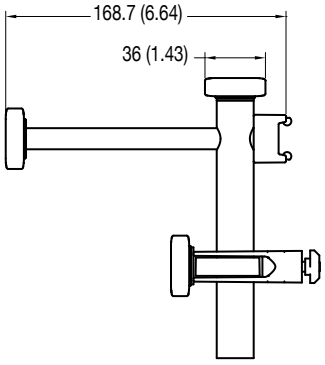
Mounting to Beam: Included



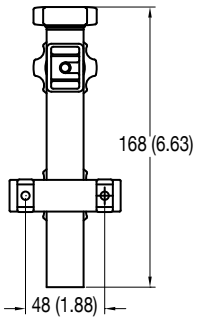
UOM: pc

FGRA-22HDT

Guide Rail Support Assembly, Toolless, Heavy Duty

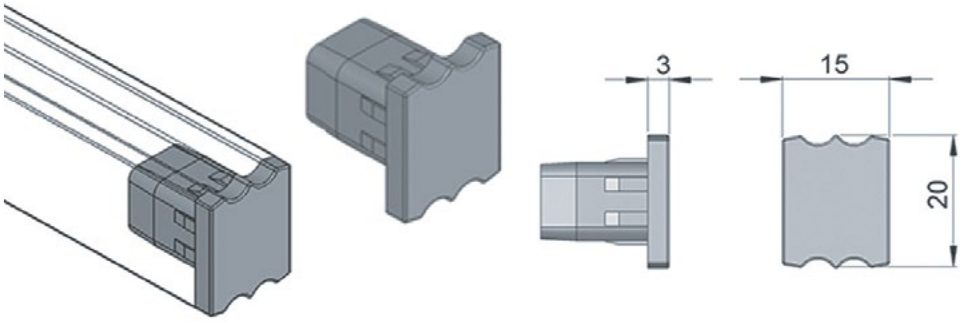


Mounting to Beam: Included



UOM: pc

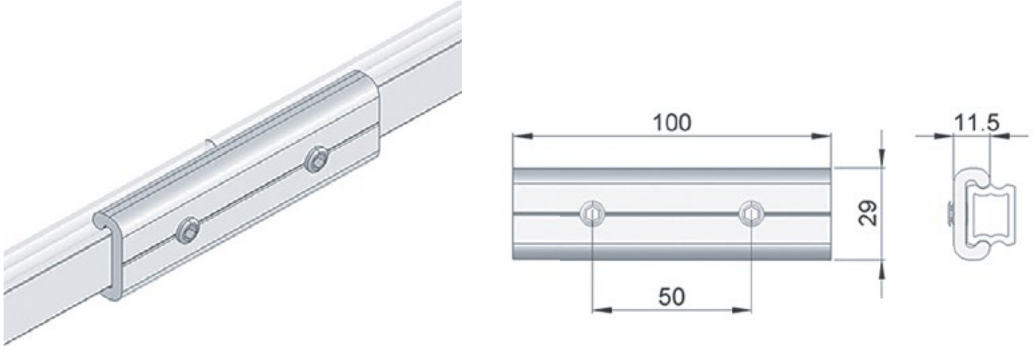
FGEC-15x20 — End Cap for FGRR-15x20 - Polyamide



UOM: 10pcs / pk

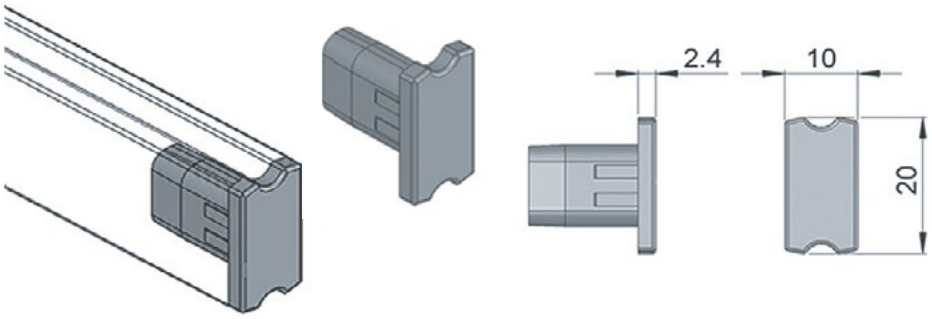
FGRC-100 — Rail Connecting – Aluminum L = 100 mm , B = 50 mm

FGRC-60 — Rail Connecting – Aluminum L = 60 mm , B = 30 mm



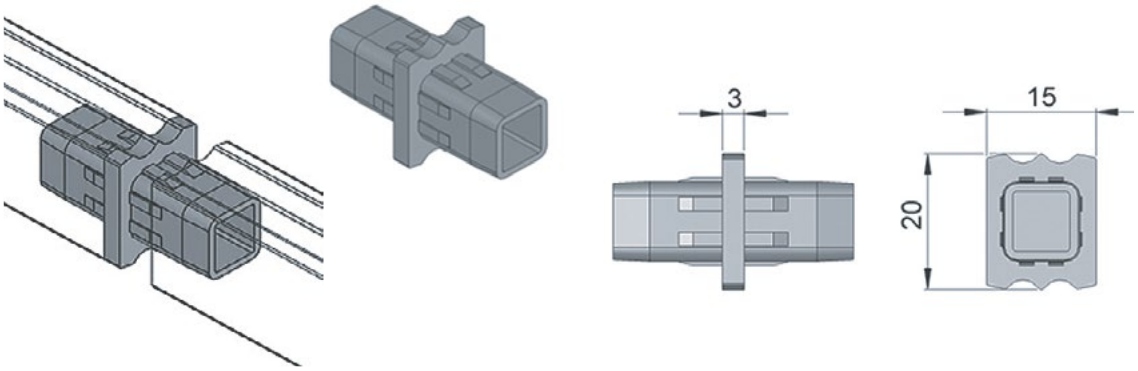
UOM: 10pcs / pk

FGEC-10x20 — End Cap for FGRR-10x20 & FGRR10x20F - Polyamide



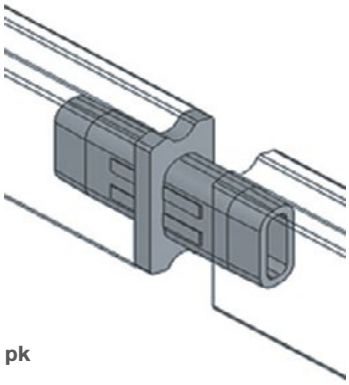
UOM: 10pcs / pk

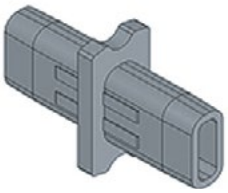
FGRJ-15x20 — Connecting Plug for FGRR-15x20 - Polyamide

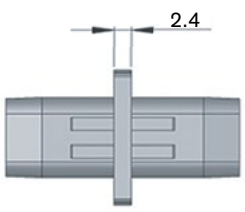


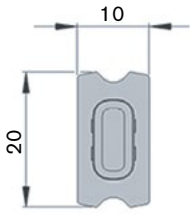
UOM: 10pcs / pk

FGRJ-10x20 — Connecting Plug for FGRR-10x20 & FGRR-10x20F - Polyamide



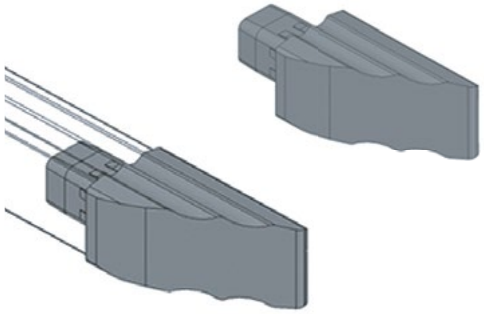


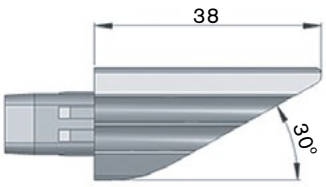


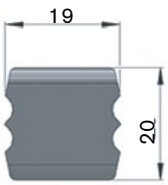


UOM: 10pcs / pk

FGEC-30D — 30° End Cap for FGRR-15x20 - Polyamide

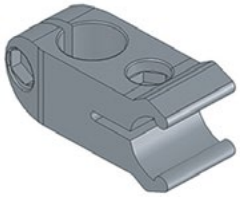


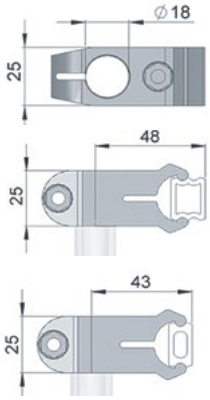




UOM: 10pcs / pk

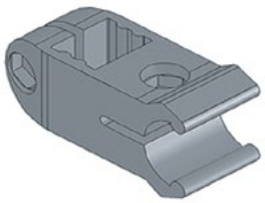
FGRS-18 — Guide Rail Support - Polyamide

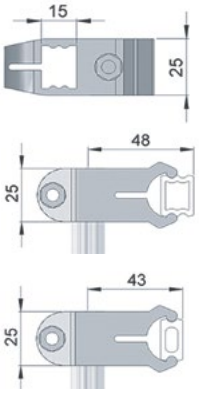




UOM: 10pcs / pk

FGRS-15x20 — Guide Rail Support - Polyamide

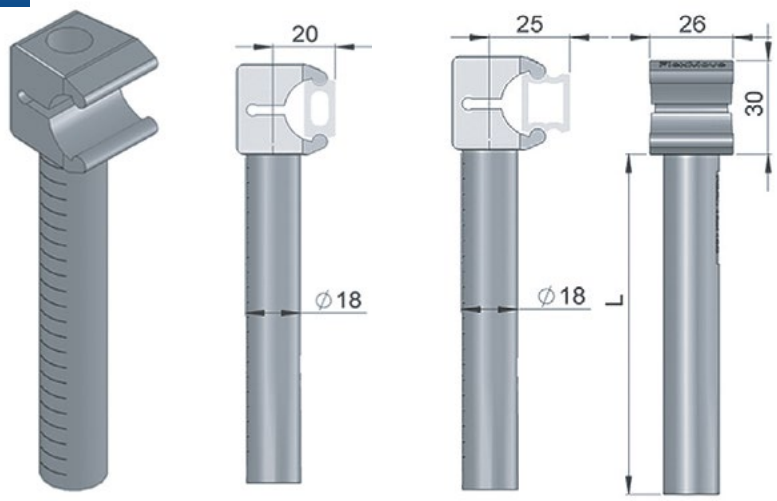




UOM: 10pcs / pk

FGRL-18x110C — Guide Rail Support, L = 110 mm - Polyamide

FGRL-18x160C — Guide Rail Support, L = 160 mm - Polyamide



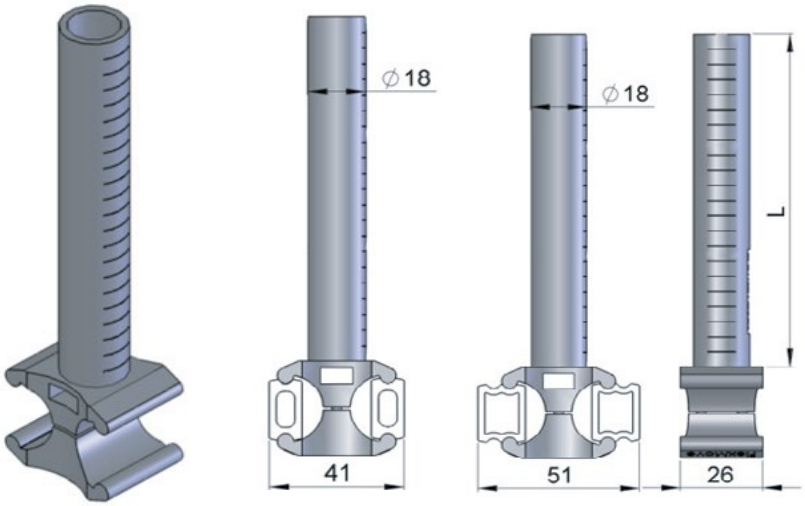
Note:
Plastic guide supports used for light products.

UOM: 10pcs / pk

To be used directly with guide rail bracket support FGRF- 42 x 18V or FGRB-18 x 20

FGRC-18x110C — Double Guide Rail Support, L = 110 mm - Polyamide

FGRC-18x160C — Double Guide Rail Support, L = 160 mm - Polyamide

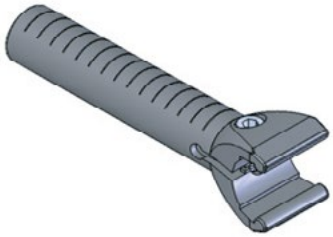


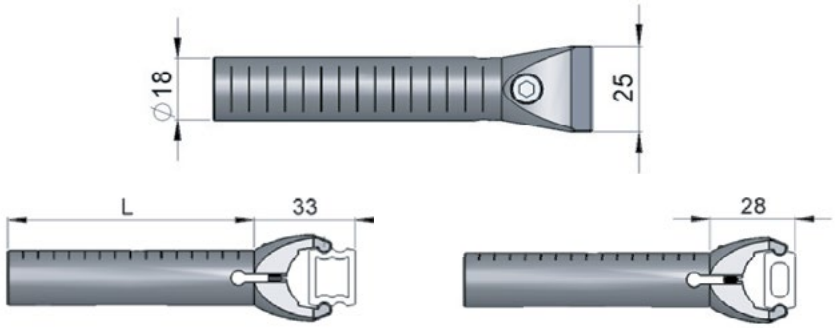
Note:
Plastic guide supports used for light products.

UOM: 10pcs / pk

Suitable for use with cross connector FGRB-18 x18 and a crossing 18 mm aluminum tube above the double track.

FGRK-18x40A	Guide Rail Support, L = 40 mm - Polyamide
FGRK-18x60A	Guide Rail Support, L = 60 mm - Polyamide
FGRK-18x80A	Guide Rail Support, L = 80 mm - Polyamide
FGRK-18x130A	Guide Rail Support, L = 130 mm - Polyamide

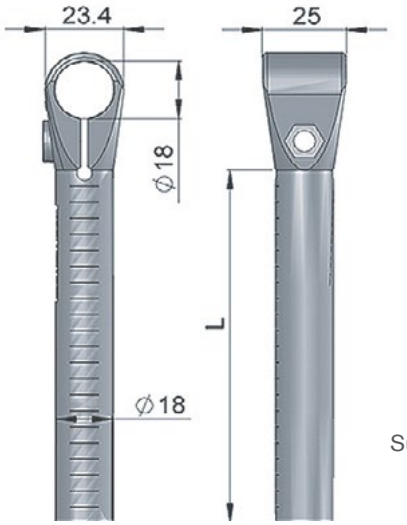




UOM: 10pcs / pk

Suitable for use with cross connector FGRB-18 x18 and FGRF – 42 x 18V

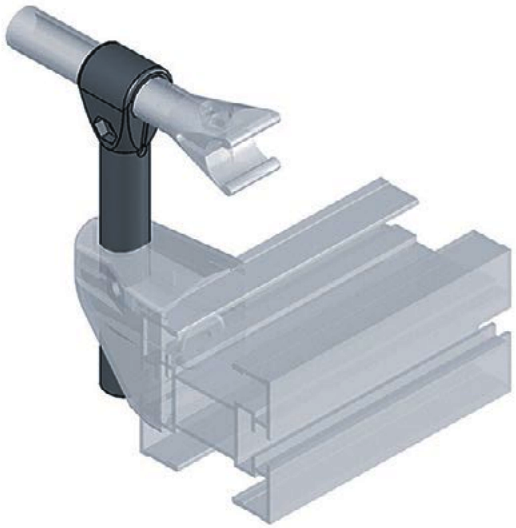
FGRL-18x110CA	Guide Rail Support, L = 110 mm - Polyamide
FGRL-18x160CA	Guide Rail Support, L = 160 mm - Polyamide



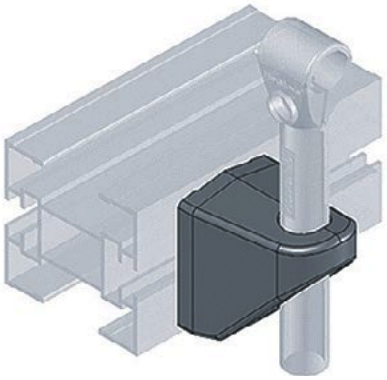
Note:
Plastic guide supports
used for light products.

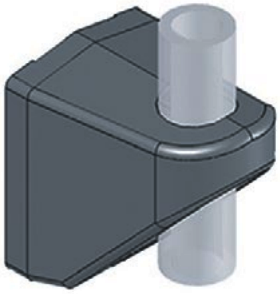
UOM: 10pcs / pk

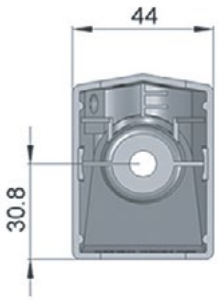
Suitable for use with cross connector FGRK –
18 x 80 / 130 / 40A / 60A / 80A /130A

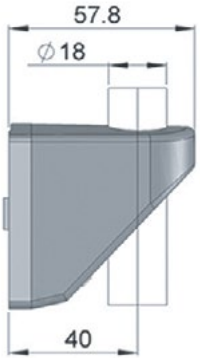


FGRF-42x18V — Guide Rail Bracket – Polyamide







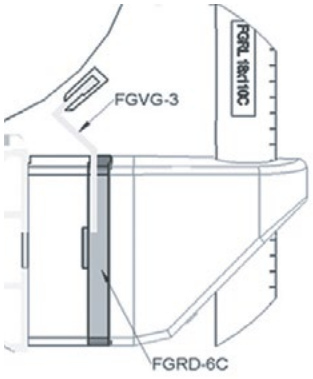


UOM: 10pcs / pk

To be used with :

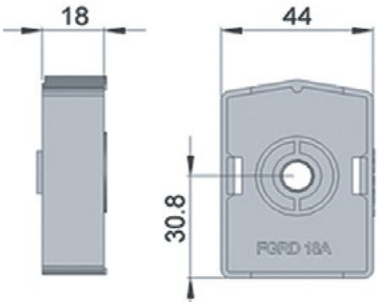
- FGGR - 18 x * 100
- FGRL - 18 x 110C / 160C
- FGRC - 18 x 110C / 160C

For use with guide rail bracket support FGRF -42 x 18V



FGRD-18A

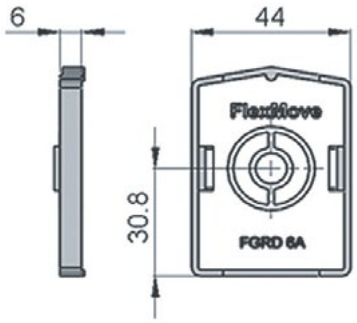
Spacer for FGRF-42x18V - Polyamide



UOM: 10pcs / pk

FGRD-6A

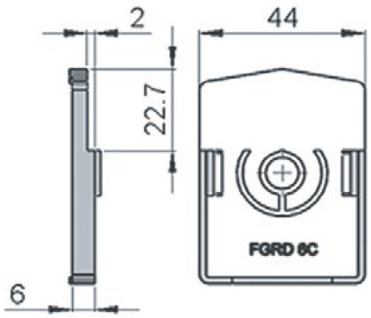
Spacer for FGRF-42x18V - Polyamide



UOM: 10pcs / pk

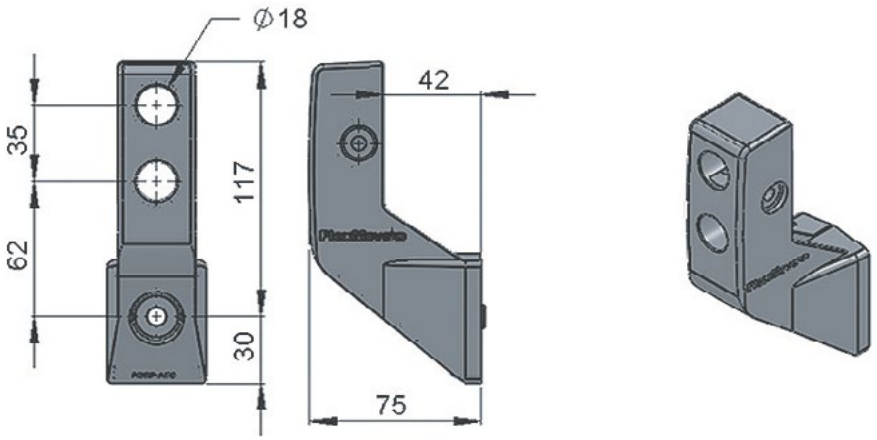
FGRD-6C

Spacer for FGRF-42x18V - Polyamide



UOM: 10pcs / pk

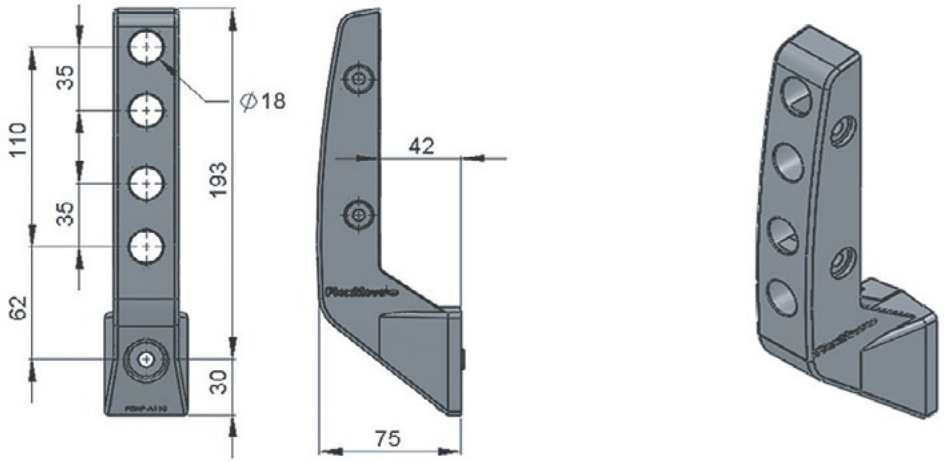
FGRF-A35 Guide Rail Bracket A35 – Polyamide



UOM: 10pcs / pk

To be used with guide rail support. For 1-2 guide rail levels.

FGRF-A110 Guide Rail Bracket A110 – Polyamide

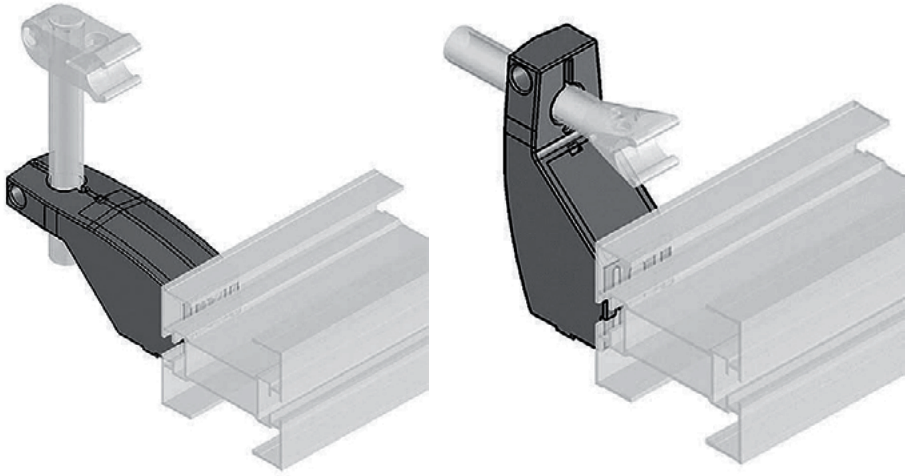


UOM: 10pcs / pk

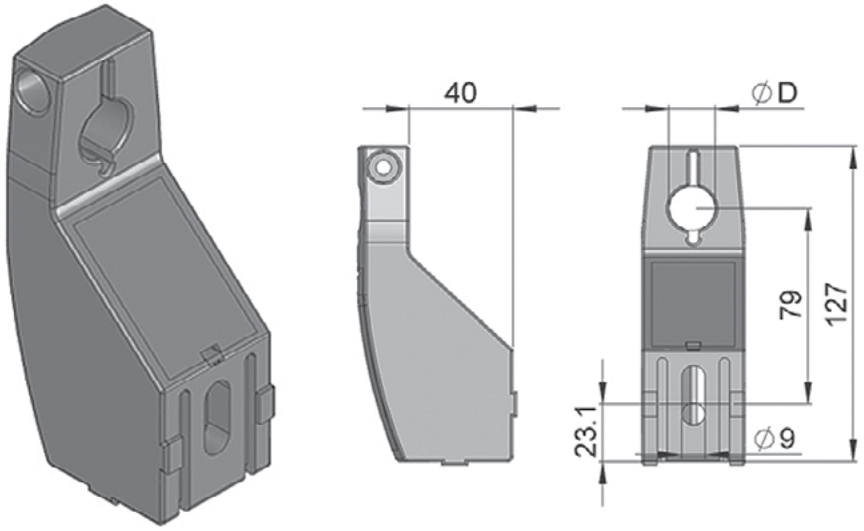
To be used with guide rail support. For 1-4 guide rail levels.

FGRF-DP FGRF Dummy Plug – Polyamide

UOM: 10pcs / pk

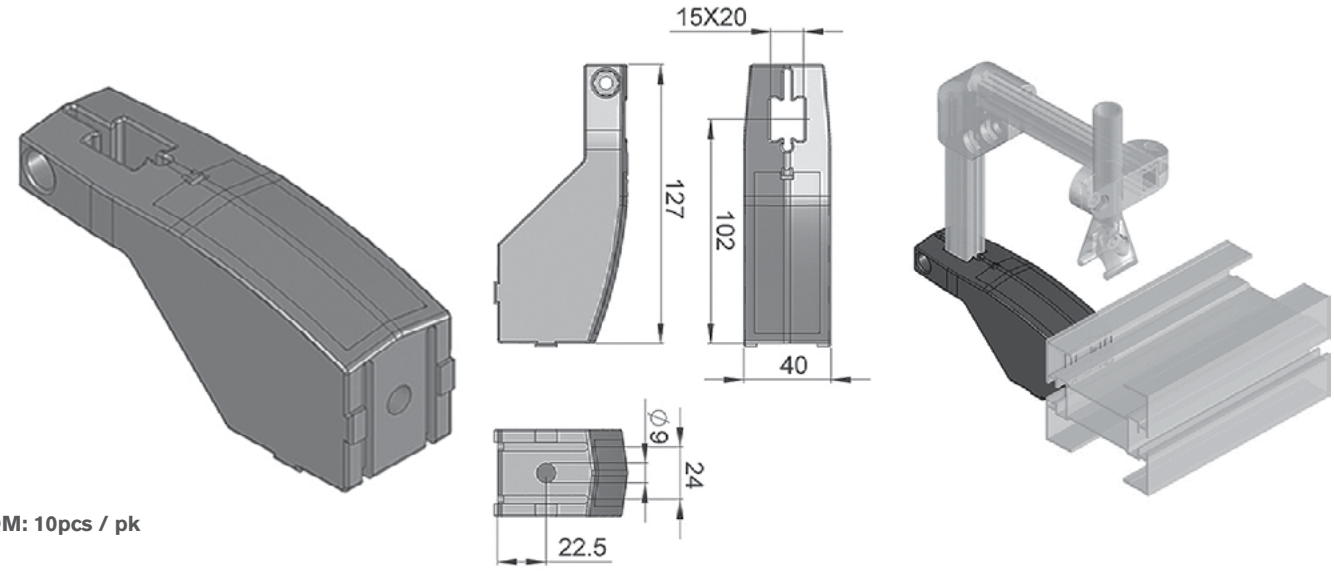


FGRB-40x18	Guide Rail Bracket, D = 18 mm - Polyamide
FGRB-40x20	Guide Rail Bracket, D = 20 mm - Polyamide



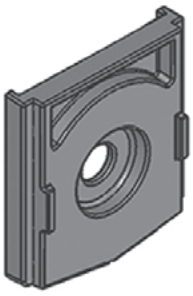
UOM: 10pcs / pk

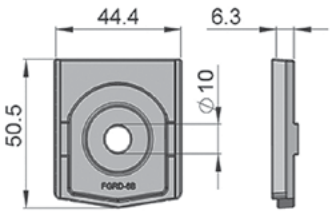
FGRB-40x15x20	Guide Rail Bracket - Polyamide

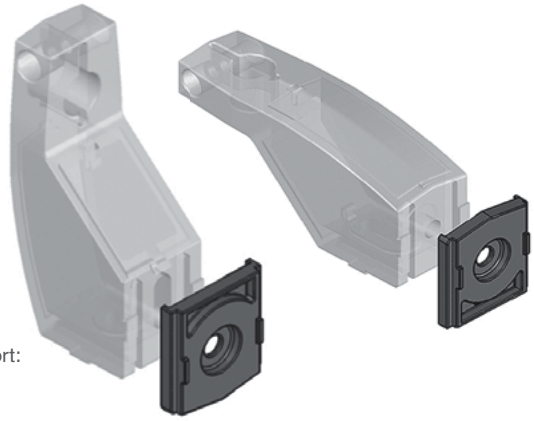


UOM: 10pcs / pk

FGRD-6B — Spacer for FGRB-40x ## - Polyamide







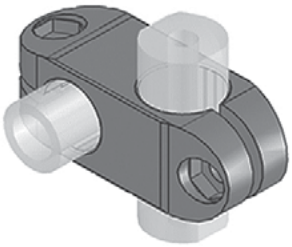
UOM: 10pcs / pk

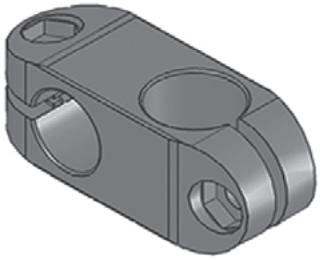
For use with guide rail bracket support:
FGRB – 40 x 18 / 20
FGRB – 40 x 15 x 20

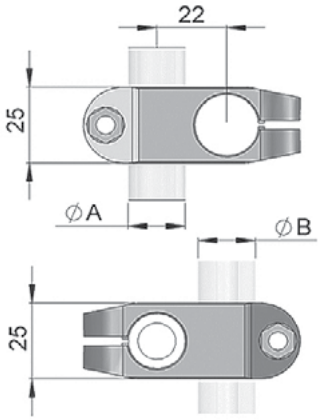
FGRB-18x18 — Guide Rail Bracket, ØA = 18 mm, ØB = 18 mm - Polyamide

FGRB-18x20 — Guide Rail Bracket, ØA = 18 mm, ØB = 20 mm - Polyamide

FGRB-20x20 — Guide Rail Bracket, ØA = 20 mm, ØB = 20 mm - Polyamide



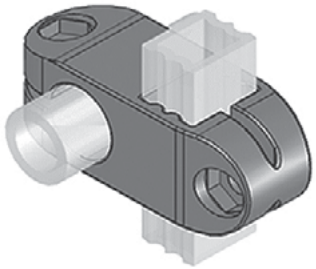


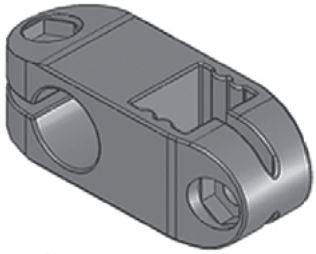


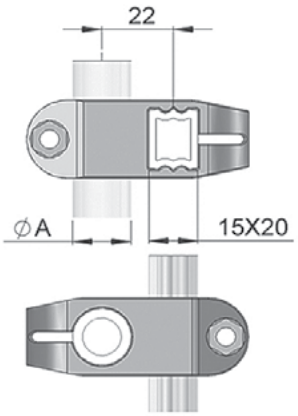
UOM: 10pcs / pk

FGRB-18x20T — Guide Rail Bracket, ØA = 18mm - Polyamide

FGRB-20x20T — Guide Rail Bracket, ØA = 20 mm - Polyamide

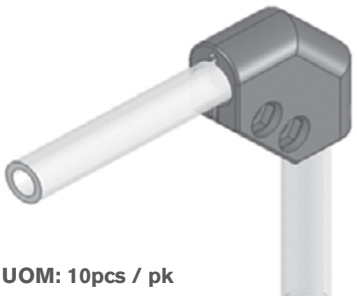


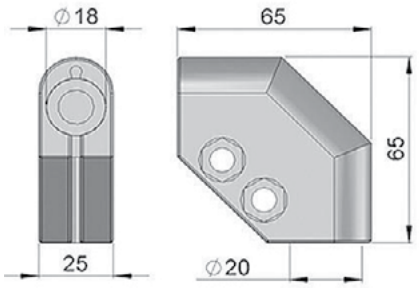




UOM: 10pcs / pk

FGRX-18x20 — 90° Corner Connector - Polyamide



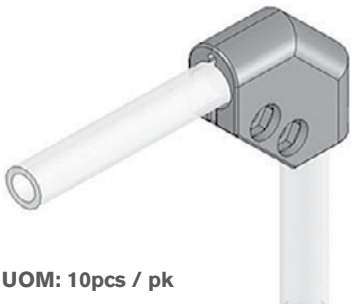


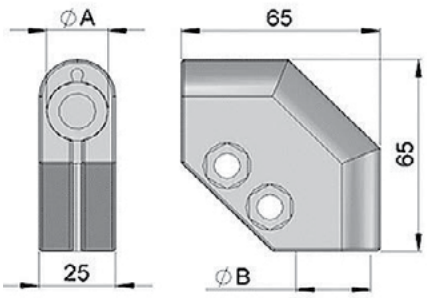
UOM: 10pcs / pk

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



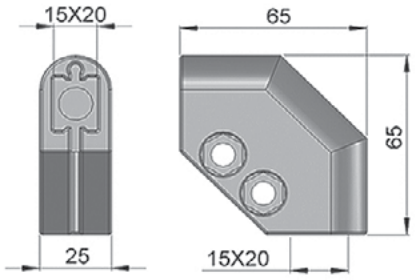


UOM: 10pcs / pk

For use with :
FGGR – 18 x 100 / 150 / 200 / 250 / 300
FGDT – 70 / 80 / 100 / 150 / 200 / 250

90° Corner Connector - Polyamide

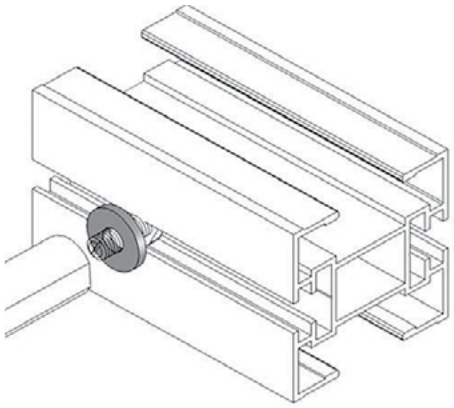
FGRX-15x20 — 90° Corner Connector - Polyamide

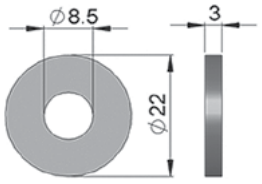


UOM: 10pcs / pk

For use with : F
GRR – 15 x 20 / 20 P

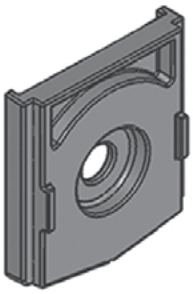
FGSP-DT — Distance Tube Spacer - POM

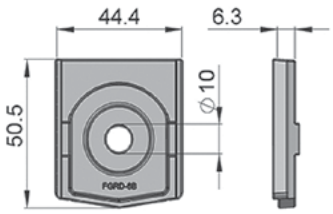


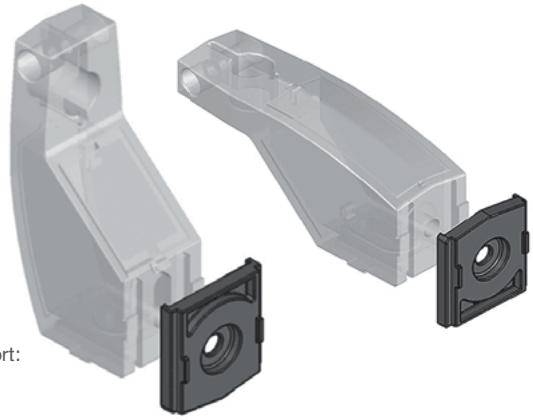


UOM: 10pcs / pk

FGRD-6B — Spacer for FGRB-40x ## - Polyamide



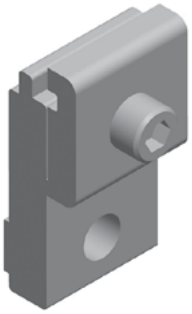


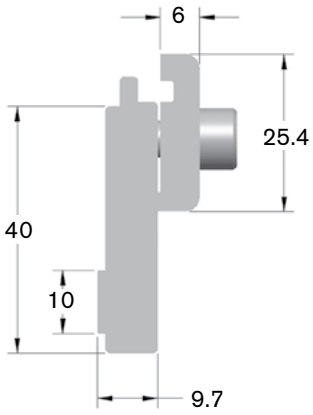


UOM: 10pcs / pk

For use with guide rail bracket support:
FGRB – 40 x 18 / 20
FGRB – 40 x 15 x 20

FGRB-HS — High Side Guide Clip Assembly



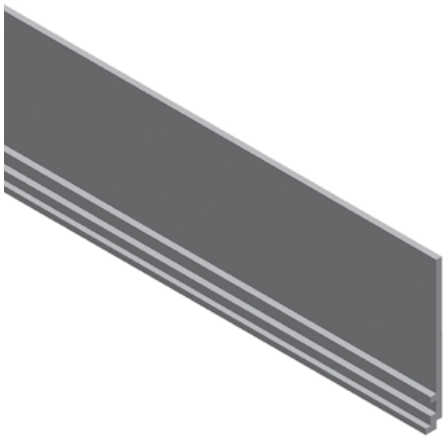


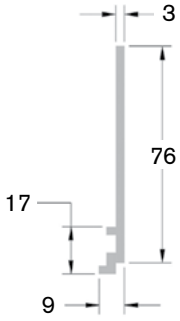
UOM: 10pcs / pk

Mounting to Beam:
FATB-20(1)
FALN-M8(1)
FAFW-M8(1)

Available in North America only.

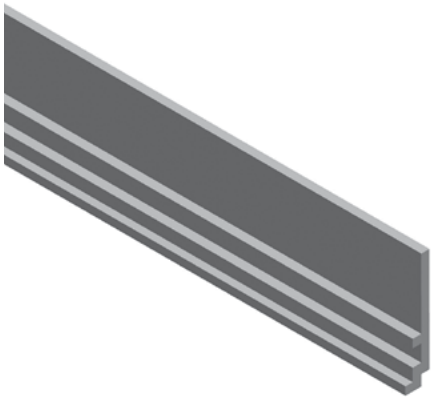
FGHS-70 — Guide Rail, 70 mm High Side - Aluminum

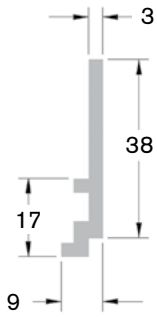




UOM: 3 meter/length

FGHS-30 — Guide Rail, 30 mm High Side - Aluminum

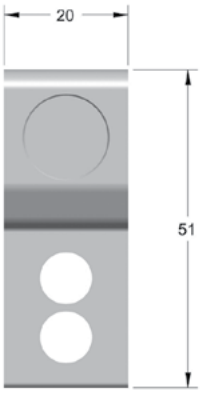




UOM: 3 meter/length

Available in North America only.

FGRB-PG Pallet Guide Mounting Clip Assembly

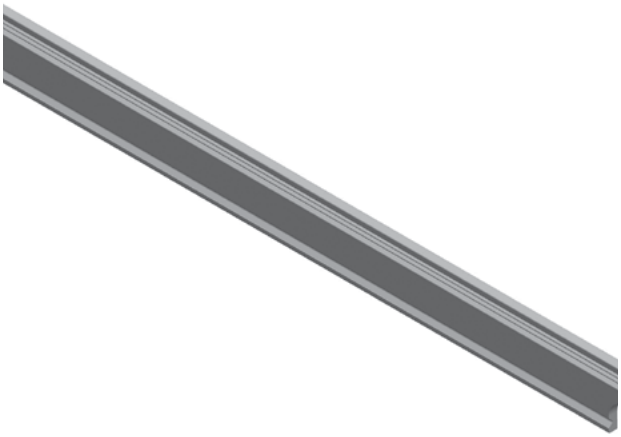


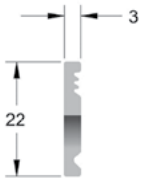
UOM: 10pcs / pk

Available in North America only.

Mounting to Beam:
FATB-20(1)
FALN-M8(1)
FAFW-M8(1)

FGPG-A Pallet Guide Backing Rail - Aluminum

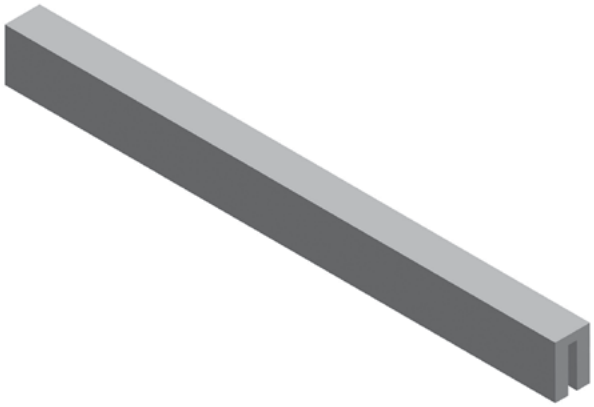


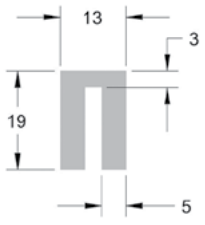


UOM: 3 meter/length

Available in North America only.

FGPG-U Pallet Guide UHMW Guide





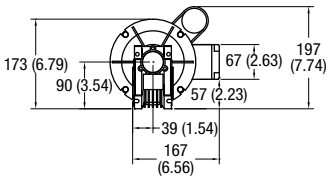
UOM: 3 meter/length

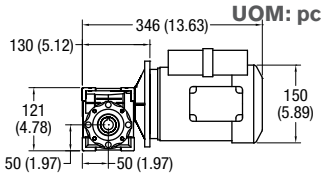
Available in North America only.

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 226





Regulatory Approvals

Part Number	Belt Speed						RPM	1 Phase			3 Phase			in.-lbs.	Nm	Starter Chart
	65 mm		85 mm		105 and 150 mm											
	Ft/min	M/min	Ft/min	M/min	Ft/min	M/min		Hp	kW	FLA	Hp	kW	FLA			
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

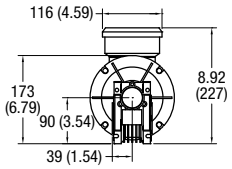
(vp) = Voltage and Phase 11 = 115V, 1 phase 23 = 208 - 230 / 460V, 3 phase

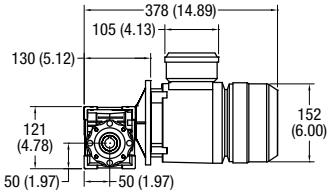
Available in North America only.

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 226





Regulatory Approvals

Part Number	Belt Speed						RPM*	3 Phase			in.-lbs.*	Nm*	Vari-Speed Control Chart
	65 mm		85 mm		105 and 150 mm								
	Ft/min	M/min	Ft/min	M/min	Ft/min	M/min		Hp	kW	FLA			
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.

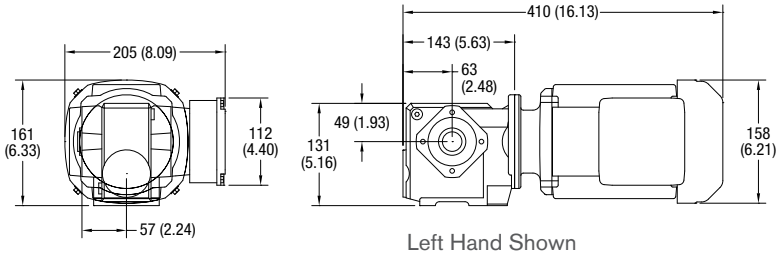
CE **Note:** When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

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



Left Hand Shown

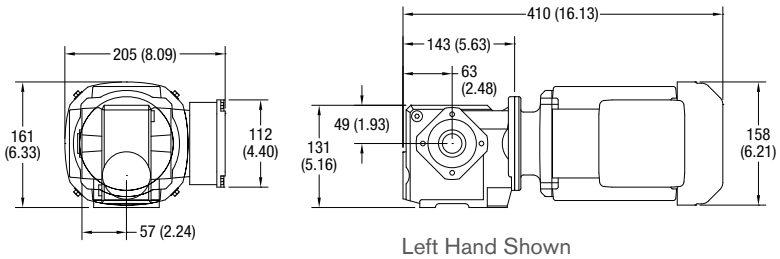
Regulatory Approvals

Part Number	Chain Speed FK, FS, FM, FU, FV Ft/min	Chain Speed FK, FS, FM, FU, FV M/min	Chain Speed FC, FL Ft/min	Chain Speed FC, FL M/min	RPM	Hp	kW	Amps	in.-lbs.	Nm	Starter Chart
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	1	0.75	3.1/1.57	444	50	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



Left Hand Shown

Regulatory Approvals

Part Number	Chain Speed FK, FS, FM, FU, FV Ft/min	Chain Speed FK, FS, FM, FU, FV M/min	Chain Speed FC, FL Ft/min	Chain Speed FC, FL M/min	RPM	Hp	kW	Amps	in.-lbs.	Nm	Starter Chart
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

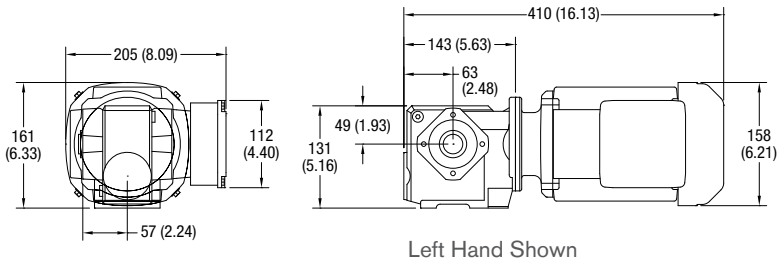
CE **Note:** When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

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



Left Hand Shown

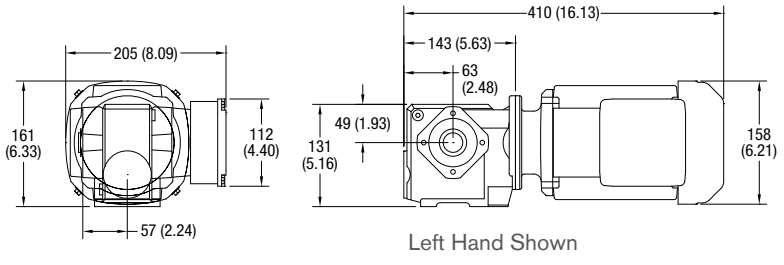
Regulatory Approvals

Part Number	Chain Speed FK, FS, FM, FU, FV Ft/min	Chain Speed FK, FS, FM, FU, FV M/min	Chain Speed FC, FL Ft/min	Chain Speed FC, FL M/min	RPM	Hp	kW	Amps	in.-lbs.	Nm	Starter Chart
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



Left Hand Shown

Regulatory Approvals

Part Number	Chain Speed FK, FS, FM, FU, FV Ft/min	Chain Speed FK, FS, FM, FU, FV M/min	Chain Speed FC, FL Ft/min	Chain Speed FC, FL M/min	RPM	Hp	kW	Amps	in.-lbs.	Nm	Starter Chart
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.

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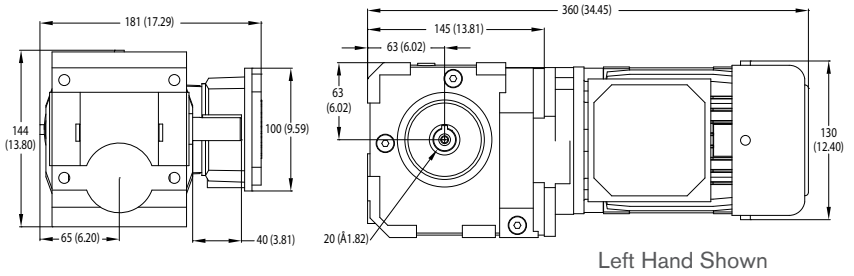
Suspended Mount, SEW Equivalent, Fixed Speed - 20 mm Shaft

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



Left Hand Shown

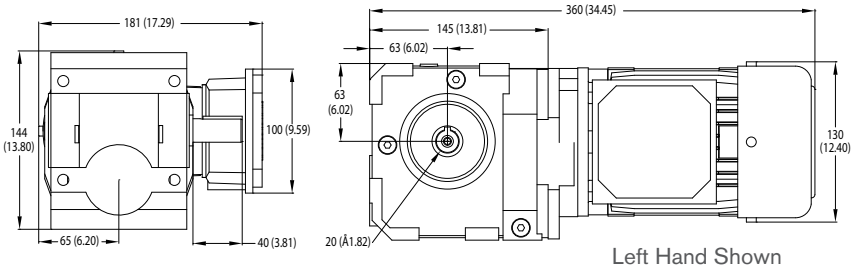
Regulatory Approvals

Part Number	Chain Speed FK, FS, FM, FU, FV Ft/min	Chain Speed FK, FS, FM, FU, FV M/min	Chain Speed FC, FL Ft/min	Chain Speed FC, FL M/min	RPM	Hp	kW	Amps	in.-lbs.	Nm	Starter Chart
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



Left Hand Shown

Regulatory Approvals

Part Number	Chain Speed FK, FS, FM, FU, FV Ft/min	Chain Speed FK, FS, FM, FU, FV M/min	Chain Speed FC, FL Ft/min	Chain Speed FC, FL M/min	RPM	Hp	kW	Amps	in.-lbs.	Nm	Starter Chart
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

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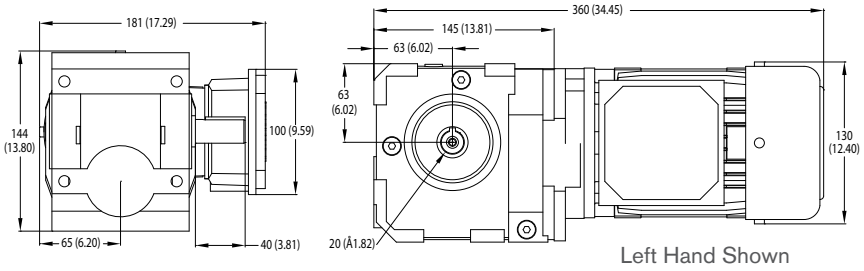
Suspended Mount, SEW Equivalent, Variable Speed - 20 mm Shaft

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



Left Hand Shown

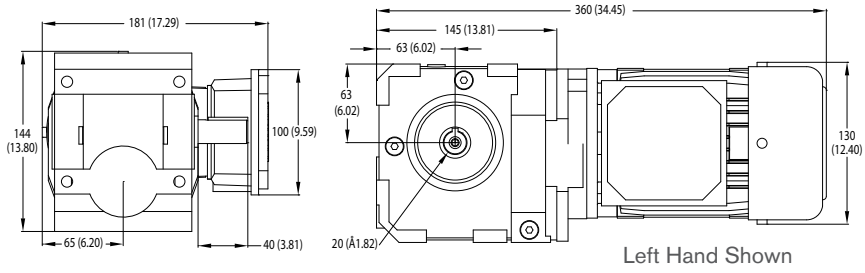
Regulatory Approvals

Part Number	Chain Speed FK, FS, FM, FU, FV Ft/min	Chain Speed FK, FS, FM, FU, FV M/min	Chain Speed FC, FL Ft/min	Chain Speed FC, FL M/min	RPM	Hp	kW	Amps	in.-lbs.	Nm	Starter Chart
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



Left Hand Shown

Regulatory Approvals

Part Number	Chain Speed FK, FS, FM, FU, FV Ft/min	Chain Speed FK, FS, FM, FU, FV M/min	Chain Speed FC, FL Ft/min	Chain Speed FC, FL M/min	RPM	Hp	kW	Amps	in.-lbs.	Nm	Starter Chart
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

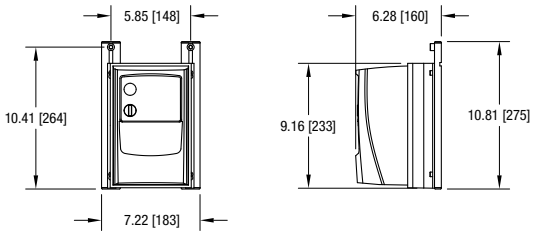
CE **Note:** When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

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 D Full Feature VFD Controller

- Full feature VFD control
- IP65 plastic enclosure
- Digital display
- Keypad with Start/Stop, Forward/Reverse and speed variations
- Includes cord to motor
- Power to controller by others
- Mounting hardware



Regulatory Approvals

CE
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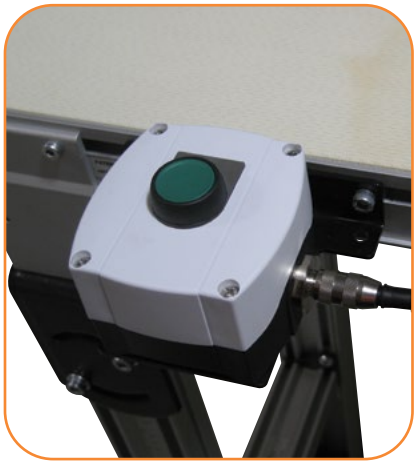
Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Output Phase	Max Hp	Output Amps*	Reversing
32MVA1122(0)	115	1	60	230	3	0.5	2.3	Yes
32MVA2122(0)	230	1	60	230	3	0.5	2.3	Yes
32MVA1121(0)	115	1	60	230	3	1.0	4.3	Yes
32MVA2121(0)	230	1	60	230	3	1.0	4.3	Yes
32MVA2127(0)	230	1	60	230	3	2.0	7.0	Yes
32MVA2322(0)	230	3	60	230	3	0.5	4.3	Yes
32MVA2321(0)	230	3	60	230	3	1.0	2.3	Yes
32MVA2327(0)	230	3	60	230	3	2.0	7.0	Yes
32MVA4342(0)	460	3	60	460	3	0.5	1.2	Yes
32MVA4341(0)	460	3	60	460	3	1.0	2.2	Yes
32MVA4347(0)	460	3	60	460	3	2.0	4.1	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.

(0) = Optional M12 Accessory Port No Option = No Accessory Port E = M12 Port wired for End Stop Photo Eye Application
I = M12 port wired for Index Photo Eye Application Note: E or I options will work with Dorner Control Stop or Jog Button Accessories

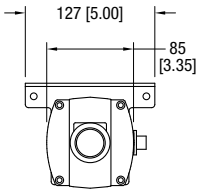
Jog Push Button Kit

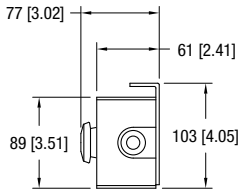


Specifications

- Momentary contact push button
- Plastic Nema 12 enclosure
- Quick disconnect receptacle
- Mounting for 2200/3200 and Support Stands
- Horizontal or vertical mount

Part Number	75M-JG-1





Horizontal Mount

Not compatible with Brushless DC Controllers

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**

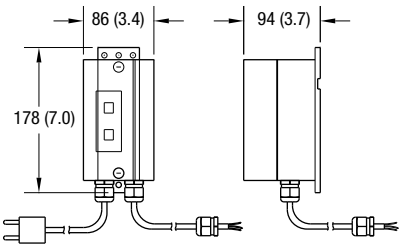


Illustration **B**

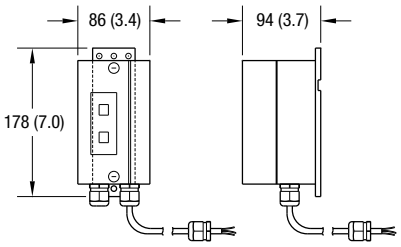


Chart I — 230/400V 50Hz to 2.5 amp

- 230 Volts, 1 phase includes cord, plug and starter
- 230/400 Volts, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 50 Hz

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

- 230 Volts, 1 phase includes cord, plug and starter
- 230/400V, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 50 Hz

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

- 230/460 Volts, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 60 Hz

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

- 230/460 Volts, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 60 Hz

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

- 230/460 Volts, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 60 Hz

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

- 230/460 Volts, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 60 Hz

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.

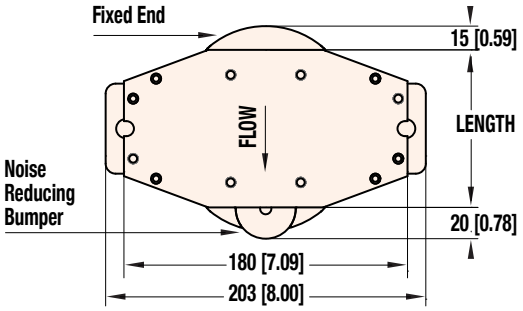
(c) = Electrical Configuration **G** = CE German
F = CE French **U** = CE Great Britain **Note:** Dimensions = mm (in)

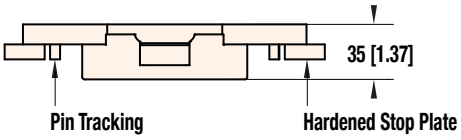
Pallets

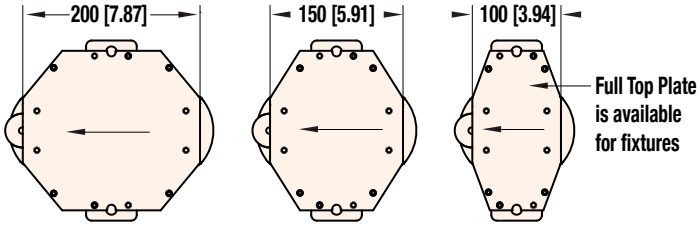
- Pallet Sizes: 105 mm Conveyor

	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 cusioning 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 163 for pallet sensor brackets
- Available in North America only.





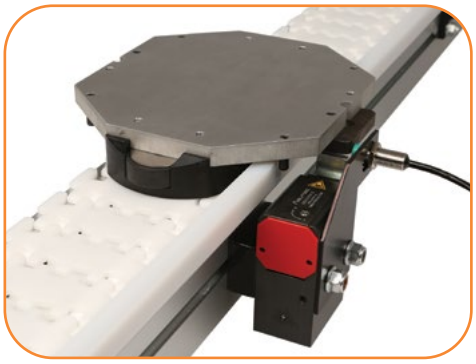


Pallets

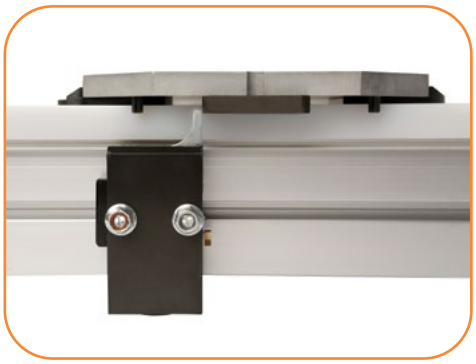
22SF P M WWW - LLL A

- **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 163 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.)
Cushioned Stops	
6.1 (20)	54 (120)
9.1 (30)	36 (80)
12.2 (40)	32 (70)
18.3 (60)	27 (60)
23 (75)	23 (50)
31 (100)	16 (35)

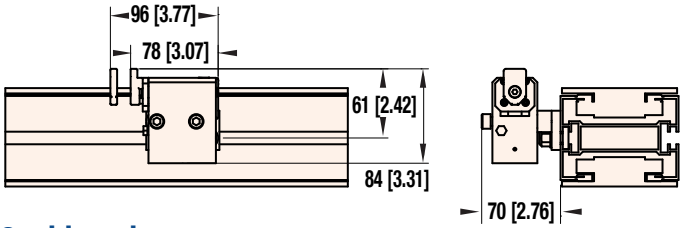
Belt Speed M/min (ft./min)	Max. Allowed Accumulated Load Kg (lbs.)
Non-Cushioned Stops*	
6.1 (20)	68 (150)
9.1 (30)	68 (150)
12.2 (40)	68 (150)
18.3 (60)	64 (140)
23 (75)	55 (120)
31 (100)	45 (100)

***Note**: Pallet bumpers are recommended.

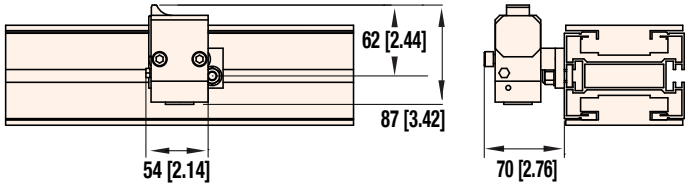
Stops

22SF S M WWW - N N

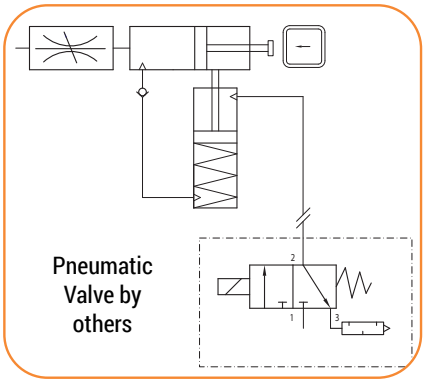
- **Sensor Option:**
  - **N** = No Sensor Bracket Included
  - **B** = Sensor Bracket Included
- **Stop Type:**
  - **C** = Cushioned Pallet Type
  - **F** = Non-Cushioned Pallet Type
- **Width Reference:** **105** = 105 mm
- **Documentation Language:** **M** = US
- **S** = Stop



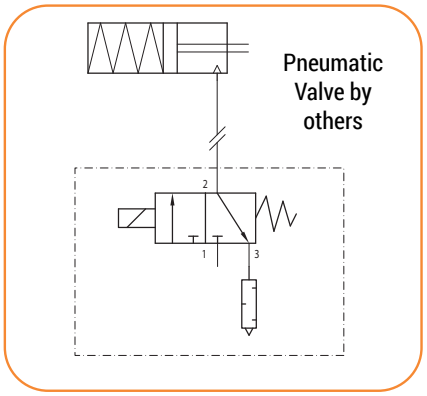
Cushioned



Non-Cushioned

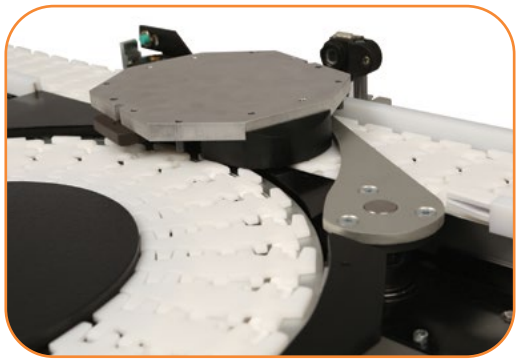


Cushioned Pneumatic Schematic



Non-Cushioned Pneumatic Schematic

Note: Dimensions = mm (in)



Divert Module with Sensors

Divert Module Only

Diverts and Merges

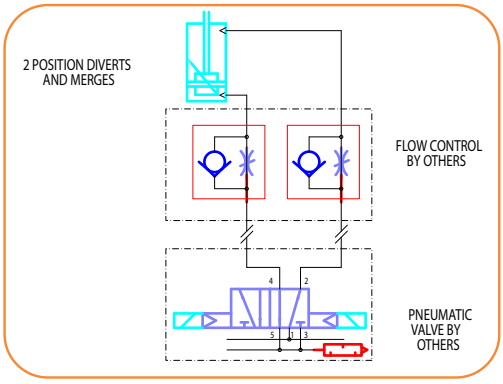
All merge and divert kits require pallet stops to be used for product traffic control. Stops are not included in the kit and should be ordered separately. Available in North America only.

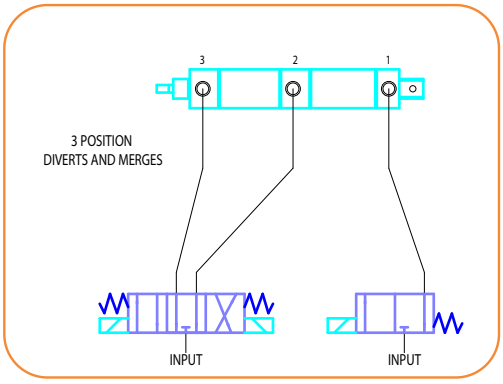
Divert Models

- 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

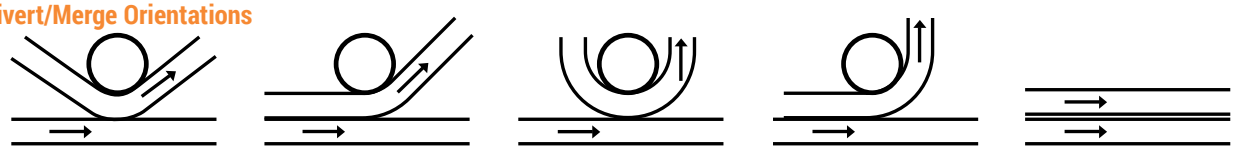
Merge Models

- 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/Merge Orientations



Diverts

22SF 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

22SF 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

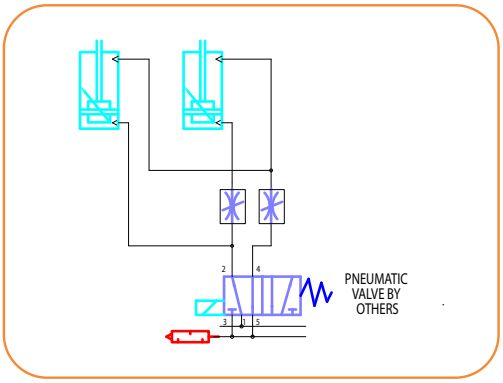
Lift and Locates:

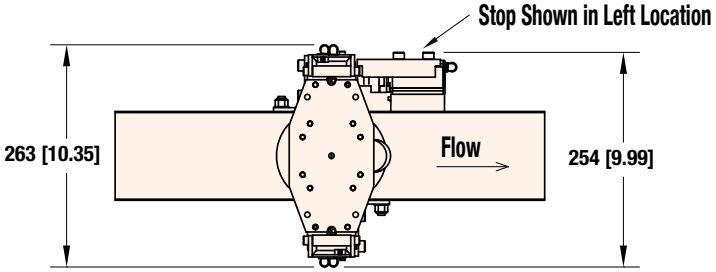
- Conveyor width: 105 mm
- Lifts from outside of conveyor – provides 90.7 kg (200 lbs) of vertical holding force
- Lifts pneumatic operated
- Rated for pressures up to 100 psi.
- Repeatable accuracy of ± .1 mm (0.004 in)
- Includes (1) Cushioned or Non-Cushioned pallet stop
- Includes sensor mounts for 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.

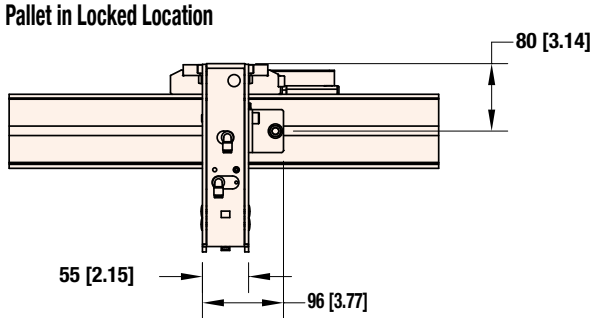
Lift and Locate

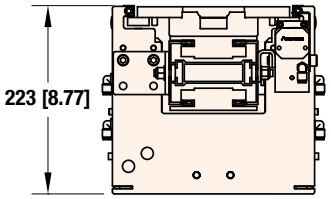
22SF L M WWW - N L

- **Stop Location:** **L** = Left **R** = Right
- **Stop Type:** **C** = Cushioned Stop, **F** = Non-Cushioned Stop
- **Width Reference:** **105** = 105 mm
- **Documentation Language:** **M** = US
- **L** = Lift and Locate









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.

CE	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).
RoHS	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.
	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.
c US	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.
	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.
c UL us	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.

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-25CD	FASR-25T	FASR-25X	FASR-3E
Material	HDPE	UHMW	Antistatic HDPE	PAPE/Superfric	Impregnated UHMW	HDPE
Color	White	White	Black	Grey	Blue	White
FDA approved	Yes	Yes	No	No	Yes	Yes
Coefficient of Friction	0.3	0.25	0.25	0.22	0.2	0.3
Temp Range	-20 to 60° C	-20 to 60° C	-20 to 60° C	-40 to 120° C	-20 to 60° C	-20 to 60° C
Maximum Speed	50 M/min	60 M/min	50 M/min	120 M/min	60 M/min	50 M/min
Heavy Loads	Poor	Good	Poor	Excellent	Good	Poor
Elongation / wear resistance	Poor	Good	Poor	Excellent	Good	Poor
Chemical Resistance	Good, poor to petroleum based solvents	Good	Good, poor to petroleum based solvents	Good, not used with wet solvents	Good	Good, poor to petroleum based solvents
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, moderate loads, low dust generation	General conveyance, additional safety for FX series

Chains

Series	FK	FS	FM	FC	FL	FU	FV
Chain width (mm)	44 mm	63 mm	83 mm	103 mm	150 mm	175 mm	255 mm
Chain width (inch)	1.73"	2.48"	3.27"	4.06"	5.91"	6.890"	10.039"
Tensile strength at 20°C (N)	3600 N	3400 N	4800 N	4800 N	4800 N	4800 N	4800 N
Tensile strength at 68°F (lbf)	810 lbf	764 lbf	1079 lbf	1079 lbf	1079 lbf	1079 lbf	1079 lbf
Max. working tensile at 20°C (N)	500 N	500 N	1250 N	1250 N	1250 N	1250 N	1250 N
Max. working tensile at 68°F (lbf)	112 lbf	112 lbf	281 lbf	281 lbf	281 lbf	281 lbf	281 lbf
Working temperature (°C)	-20 – 60°C	-20 – 60°C	-20 – 60°C	-20 – 60°C	-20 – 60°C	-20 – 60°C	-20 – 60°C
Working temperature (°F)	-4 – 140°F	-4 – 140°F	-4 – 140°F	-4 – 140°F	-4 – 140°F	-4 – 140°F	-4 – 140°F
Maximum conveyor speed (m/min)	50 m/min	58 m/min	58 m/min	58 m/min	58 m/min	58 m/min	58 m/min
Maximum conveyor speed (ft/min)	165 ft/min	190 ft/min	190 ft/min	190 ft/min	190 ft/min	190 ft/min	190 ft/min
Max. conveyor length (m)	30 m	30 m	30 m	30 m	30 m	30 m	30 m
Max. conveyor length (ft)	100 ft	100 ft	100 ft	100 ft	100 ft	100 ft	100 ft
Min. turning radius (mm)	150 mm	150 mm	160 mm	170 mm	210 mm	500 mm	700 mm
Min. turning radius (inch)	5.91"	5.91"	6.30"	6.70"	7.87"	19.7"	27.6"
Link spacing (mm)	25.4 mm	25.4 mm	33.5 mm	35.5 mm	35.5 mm	33.5 mm	33.5 mm
Link spacing (inch)	1.0"	1.0"	1.32"	1.40"	1.40"	1.32"	1.32"
Chain weight (plain) (kg/m)	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
Chain weight (plain) (lb/ft)	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
Max. weight on conveyor (kg/m)	30 kg/m	30 kg/m	60 kg/m	60 kg/m	60 kg/m	65 kg/m	65 kg/m
Max. weight on conveyor (lb/ft)	20 lb/ft	20 lb/ft	40 lb/ft	40 lb/ft	40 lb/ft	44 lb/ft	44 lb/ft
Item width (mm)	15 – 100 mm	15-140 mm	20-200 mm	25-300 mm	50-400 mm	50-400 mm	80 – 500 mm
Item width (inch)	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"

Series	FKPC -5CD	FSPC -5CD	FMPC -5CD	FCPC -5CD	FLPC -5CD	FUPC -5CD	FVPC -5CD
*Tensile strength at 20°C (N)**	1440 N	1360 N	1920 N	1920 N	1920 N	1920 N	1920 N
*Tensile strength at 68°F (lfb)**	324 lbf	306 lbf	432 lbf	432 lbf	432 lbf	432 lbf	432 lbf
*Max working tensile at 20°C (N)**	200 N	200 N	500 N	500 N	500 N	500 N	500 N
*Max working tensile at 68°C (lfb)**	45 lbf	45 lbf	112 lbf	112 lbf	112 lbf	112 lbf	112 lbf

*Stregnth of conductive chain is 40% of standard chain.

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	N/A	16	12	12	N/A	N/A	N/A
Chain Pitch (mm)	N/A	25.4	33.5	35.5	N/A	N/A	N/A
Max. Traction force (N)	N/A	500	1250	1250	N/A	N/A	N/A
Sprocket Diameter (mm)	128	128	128	135	N/A	N/A	N/A

Intermediate Drive unit

	FK	FS	FM	FC	FL	FU	FV
Number of Teeth on sprocket	N/A	11	9	9	N/A	N/A	N/A
Chain Pitch (mm)	N/A	25.4	33.5	35.5	N/A	N/A	N/A
Max. Traction force (N)	N/A	200	200	200	N/A	N/A	N/A
Sprocket Diameter (mm)	88	88	98	101	101	N/A	N/A

Wheel Drive unit

	FK	FS	FM	FC	FL	FU	FV
Number of Teeth on sprocket	300	300	320	340	N/A	N/A	N/A
Chain Pitch (mm)	25.4	25.4	33.5	35.5	N/A	N/A	N/A
Max. Traction force (N)	200	200	200	200	N/A	N/A	N/A
Sprocket Diameter (mm)	273	273	277	272	N/A	N/A	N/A

Stand Location

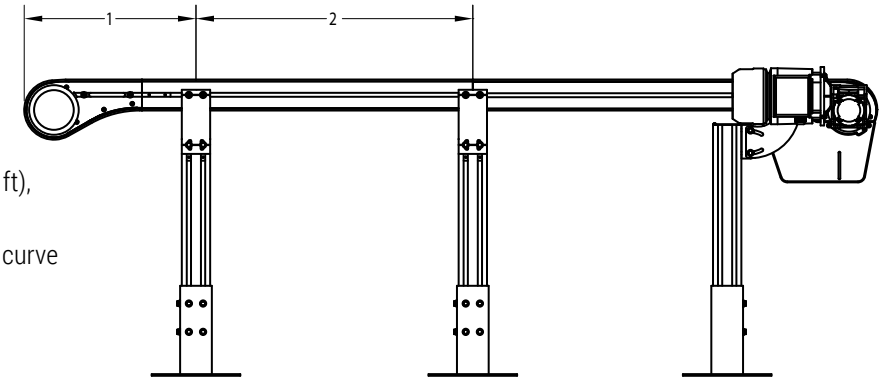
Maximum Distances:

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.



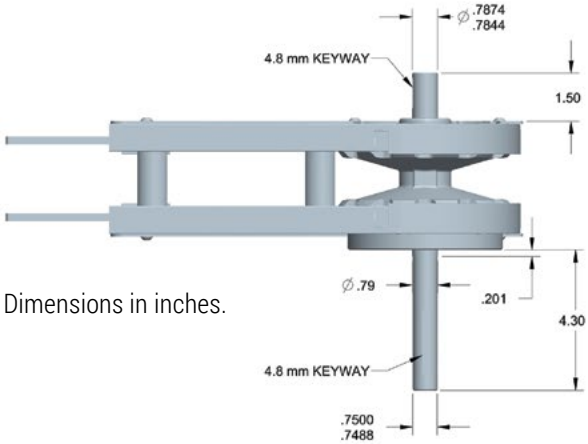
Support must be provided directly at drive end. See accessories for Direct Mount and Suspended Mount support options.

Conveyor Drive Shaft Tolerances:

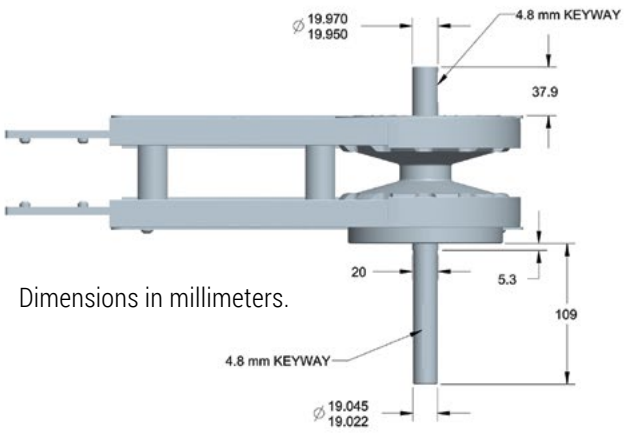
.75" SHAFT

20 MM SHAFT

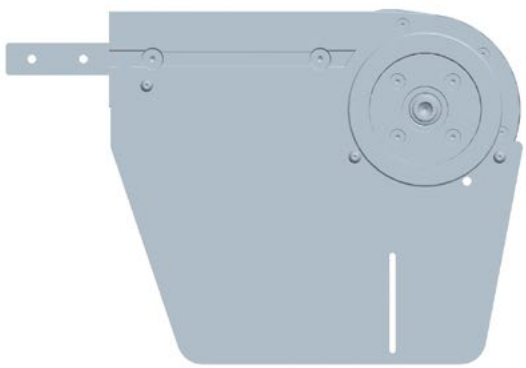
OPTIONAL AUXILARY SHAFT

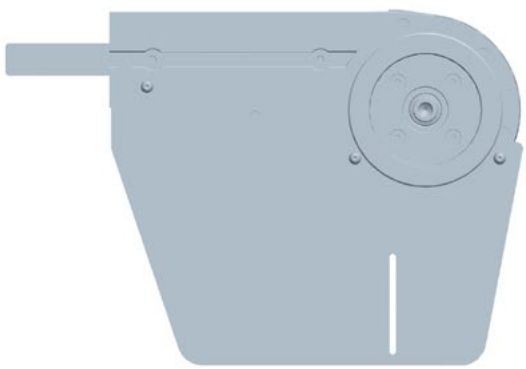


Dimensions in inches.



Dimensions in millimeters.





Note: Dimensions = mm (in)

Conveyor Load Capacity

There are several factors that effect the overall conveyor load of the FlexMove conveyor. These include:

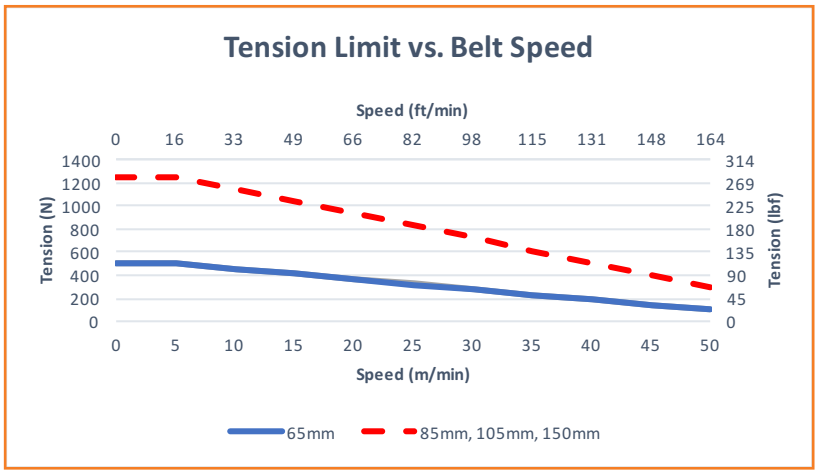
- Conveyor size and configuration
- Conveyor speed
- Application temperature
- Product accumulation
- Number of starts and stops per hour
- Maximum Drive Unit Output

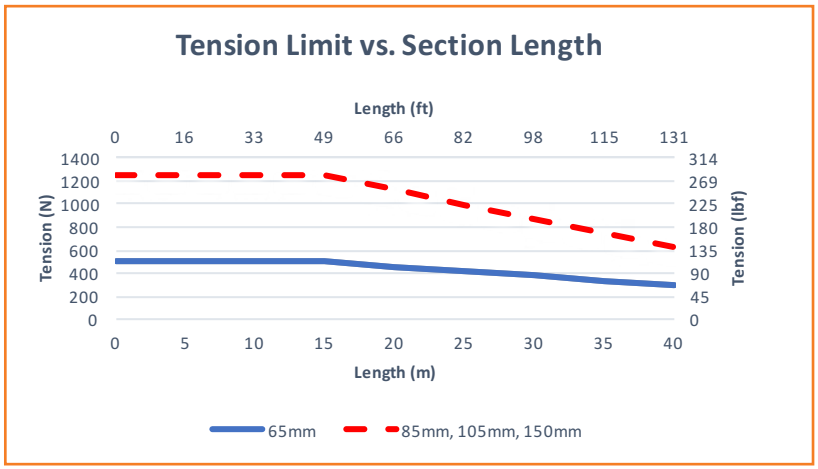
Located online at www.dornerconveyors.com is the Dorner conveyor configuration tool, DTools. This tool allows you to configure your conveyor layout and determine the maximum load capacity for the conveyor. It is suggested that this program be used to calculate the conveyor load as the calculation is 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.





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 x V)

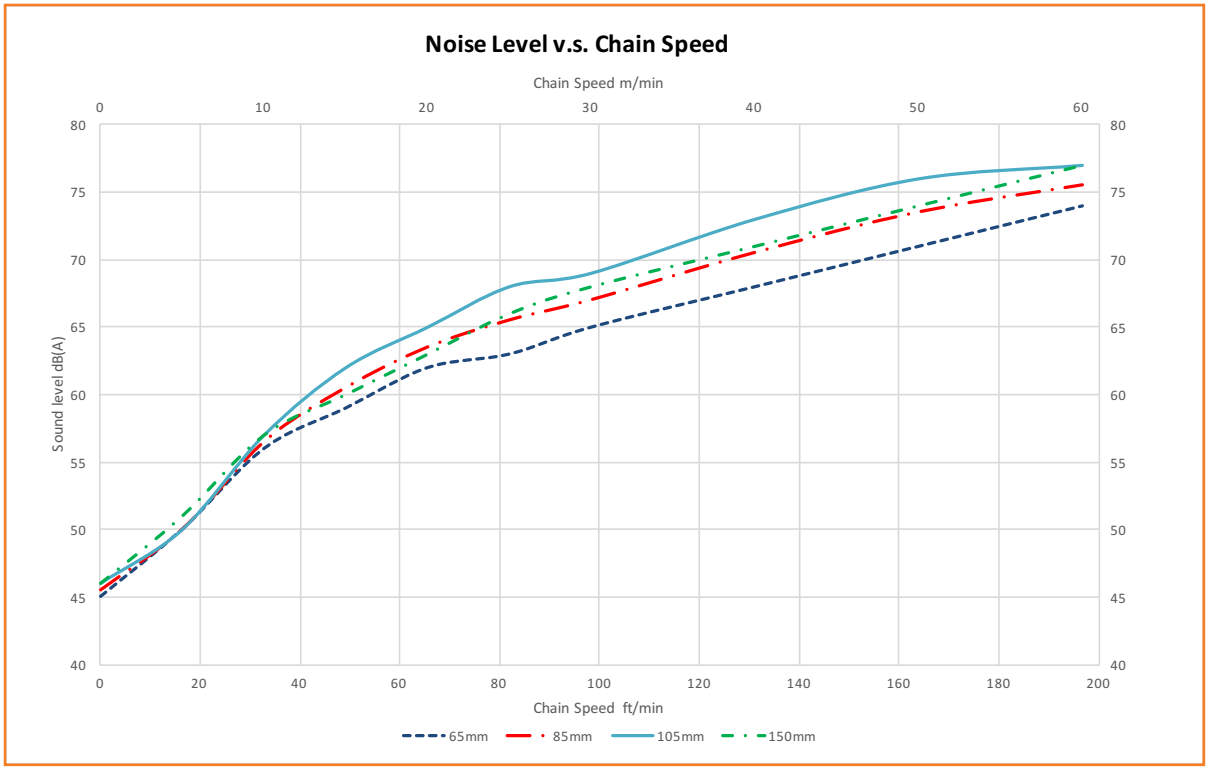
There are several drive unit designs, the maximum permissible traction force on each type of drive unit as below:

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	N/A	N/A
Catenary	500	500	1250	1250	1250	N/A	N/A

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 α in radians and friction coefficient μ between chain and slide rails. In application when conveyor is dry and clean, the friction coefficient μ 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 α
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
Acids:					
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
Basic compounds:					
Ammonia	1	2	1	-	2
Calcium hydroxide	1	2	1	-	4
Caustic soda	1	2	1	1	3
Potassium hydroxide	1	2	1	-	4
Salts:					
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
Organic compounds and solvents:					
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
Gasses:					
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
Others:					
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

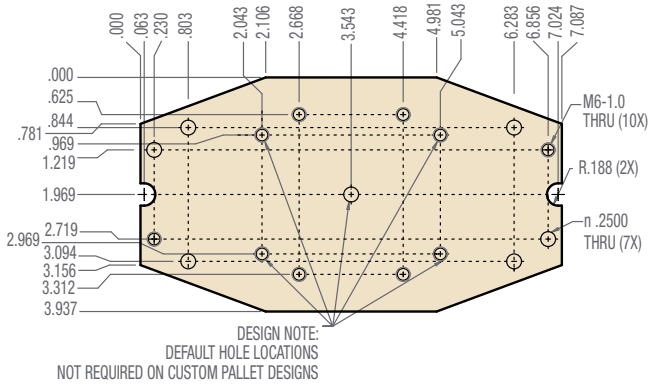
The standard plastic materials used for conveyors have low electrical conductivity so staticelectricity can build up in the conveyor. When a conveyor is running under normal environment (20°C and humidity 60%) without load, the static electricity build up should be around the following figures:

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.



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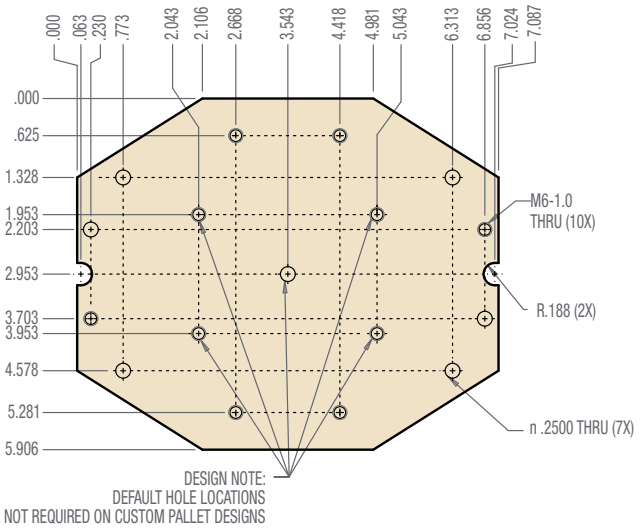

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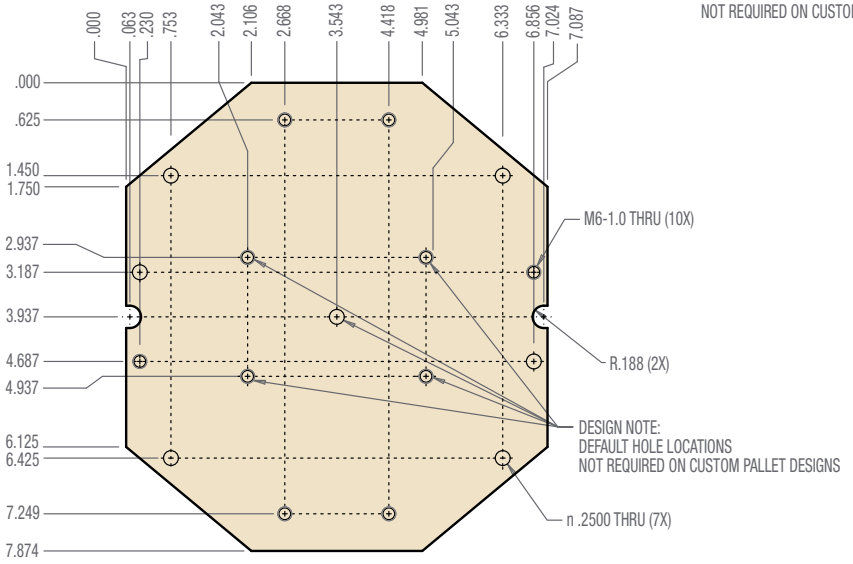

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Pneumatic Specifications - FlexMove Pallet Modules

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


DORNER®
By Columbus McKinnon

PRODUCT SUMMARY

FlexMove

FlexMove® Conveyors are best for:

- Part Handling
- Transfers
- Tight Spaces
- Elevation Changes
- Accumulation
- Buffering
- Complex Configurations
- Long Lengths
- Curves, Jogs, Incline, Decline

Sizes & Measurements

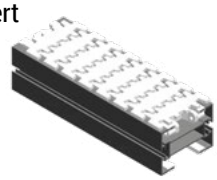
- 45 mm, 65 mm, 85 mm, 100 mm, 150 mm, 180 mm & 260 mm (1.7, 2.5, 3, 4, 6, 7 and 10 in) widths
- 0.6 m to 29.8 m (2 to 98 ft) lengths

Loads & Speeds

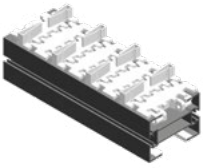
- Up to 272 kgs (600 lbs)
- Up to 76 meters (250 feet) per minute

Plastic Chain Types

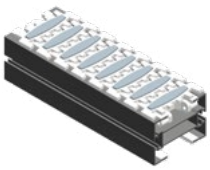
- Standard: Low Friction & Friction Insert
- Specialty
  - Conductive
  - Cleated
  - Roller Top
  - Magnet Top
  - And Many More



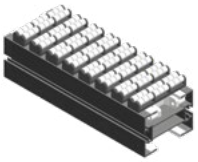
Flat



Cleated

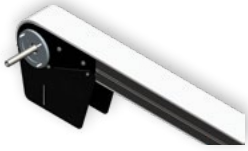


Friction Top



Roller Top

Modules



Drive

Idler

Curve from 15° to 180°

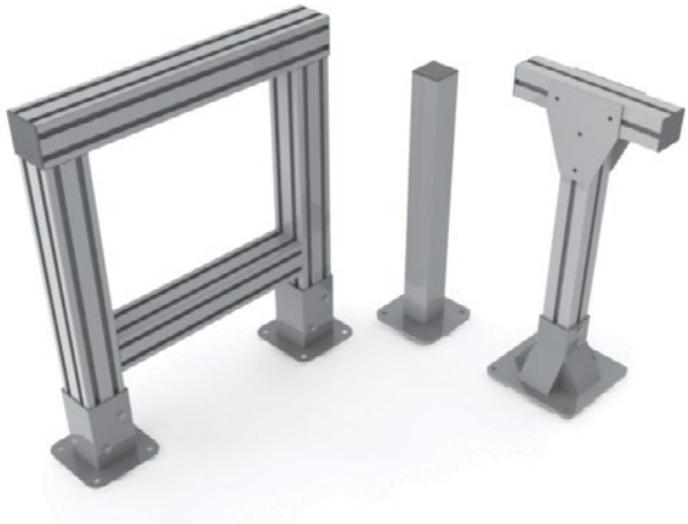
Incline/Decline from 5° to 90°

Guiding

- Fully Adjustable Single Rail
- Fully Adjustable Double Rail
- Other Options Available

Support Stands

- Single, Double and Multi Lane Structures Available



Industrial

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