

FM SERIES

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

FM Series Characteristic

Beam Width: 85mm

Product Width: Refer to Guide Rail Assembly

Accessories Needed

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

Slide Rail Colour: WHITE OR NATURAL COLOUR

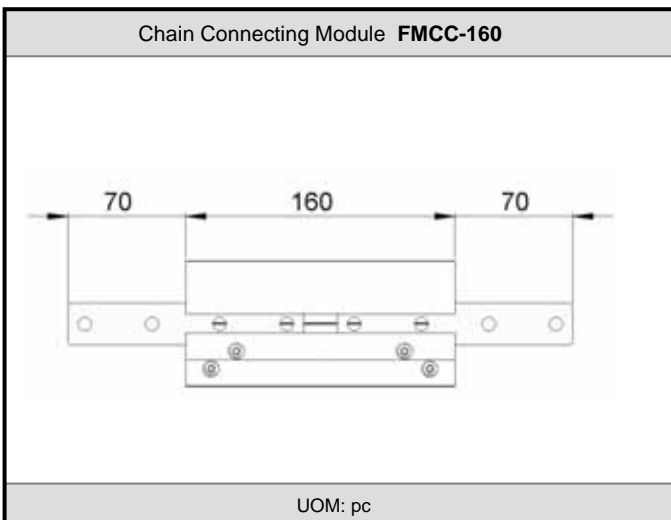
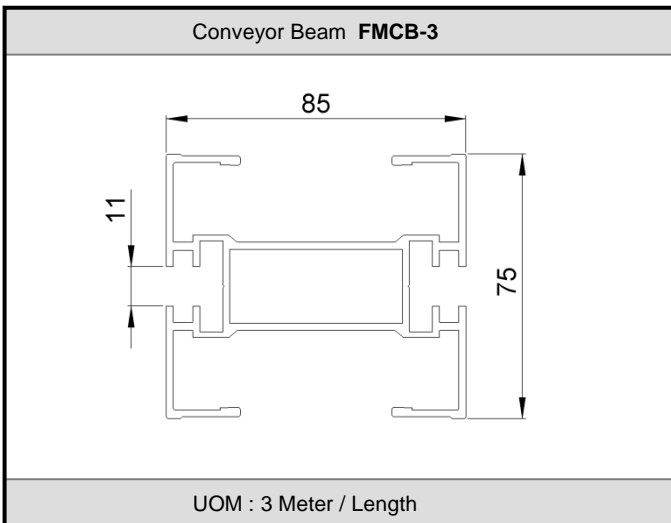
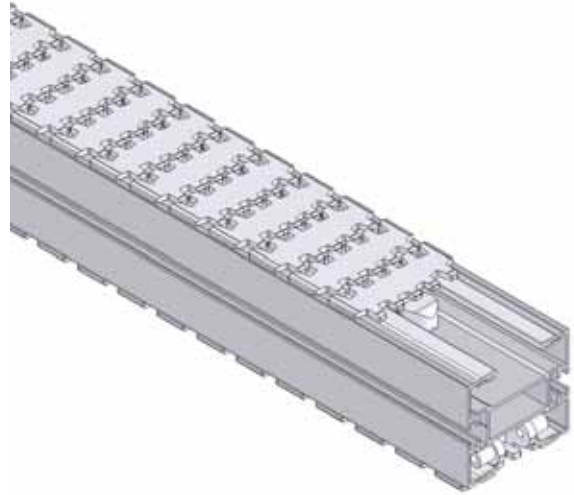
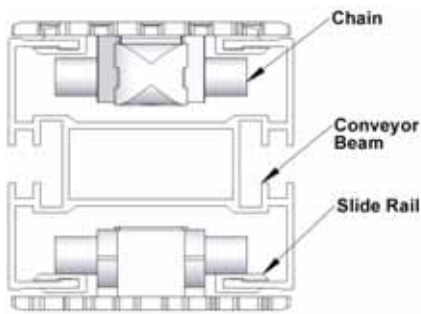
Slide Rail Material: HDPE OR UHMW

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

Connecting strip is used to connect 2 beams.

Connecting Strip: FACS-25x140A

FM



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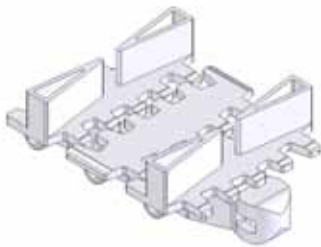
Chain Common Data

Packaging: 5m per box
Pitch: 33.5mm
Width: 83mm
Tensile Strength at 20°C: 6000N
Colour: White & Black (Conductive)

Material:-
Chain: White Acetal / POM
Pivot: Polyamide
Pivot Pin : Stainless Steel
Insert (Wedge and Friction): TPE Grey

Example for FMCT-5A17-L#

= 1 cleated top chain with alternate of 1 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.

Friction Top Chain FSFT-5

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.

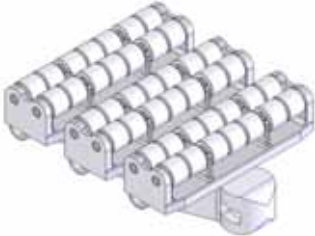
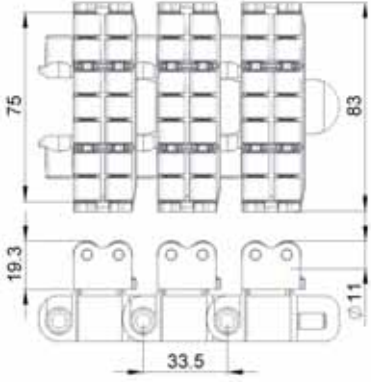
Wedge Top Chain FMWT-5B

UOM: 5 Meter / box
Application: Vertical Wedge transportation of products (Heavy duty)

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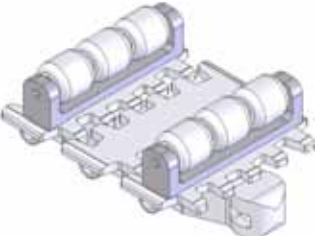
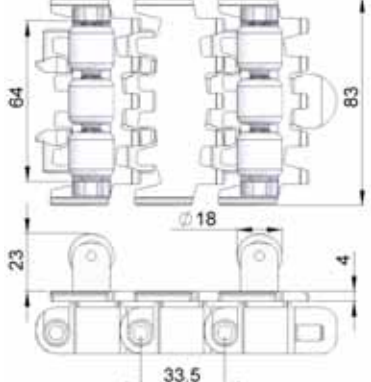
Roller Top Chain FMRT-5

UOM: 5 Meter / box
Application: Suitable for accumulation of product with low friction and pressure.

Roller Cleat Chain FMRC-5A-L#

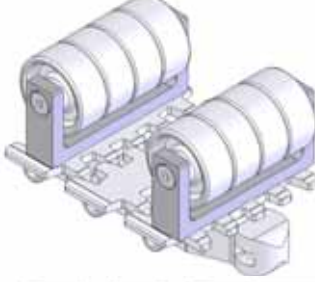
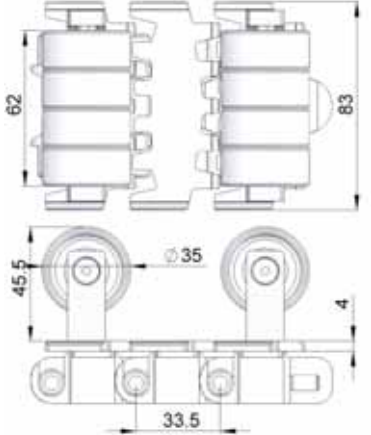
= 1, 2, 3, 4, 5.....20

UOM: 5 Meter / box
Application: Suitable for vertical transportation of product in slope with no accumulation.

Roller Cleat Chain FMRC-5B-L#

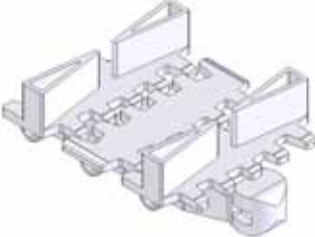
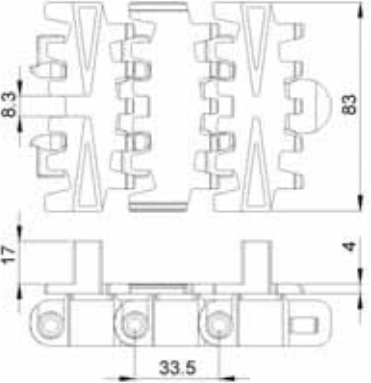
= 1, 2, 3, 4, 5.....20

UOM: 5 Meter / box
Application: Suitable for vertical transportation of product in slope with no accumulation.

Cleat Top Chain FMCT-5A17-L#

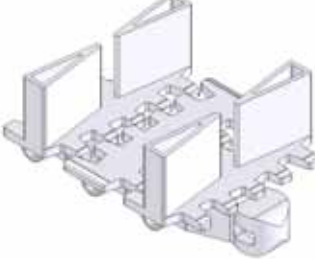
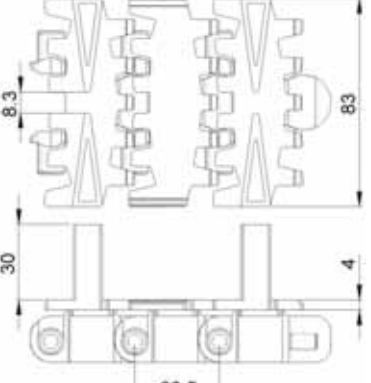
= 1, 2, 3, 4, 5.....20

UOM: 5 Meter / box
Application: Suitable for vertical transport of product with no accumulation.

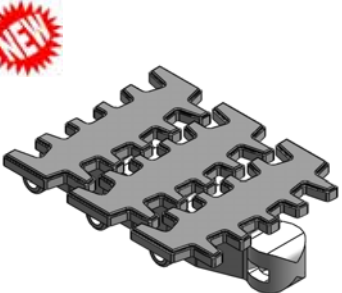
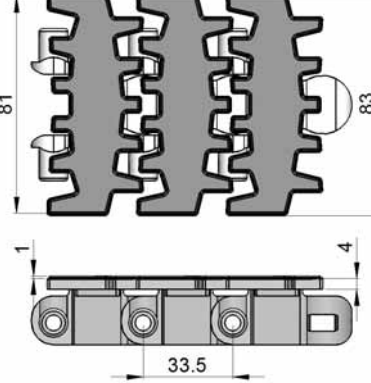
Cleat Top Chain FMCT-5A30-L#

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

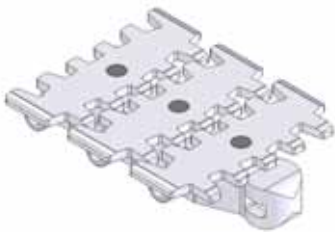
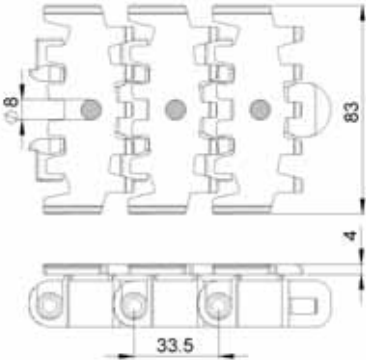
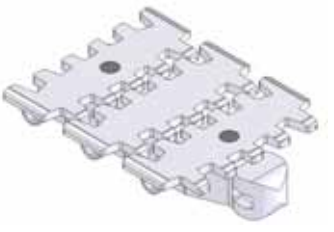
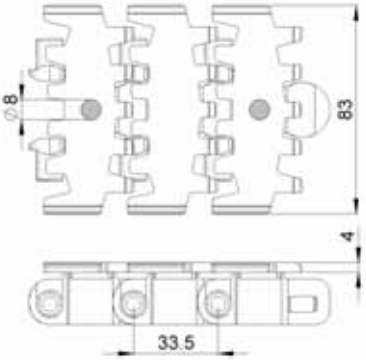

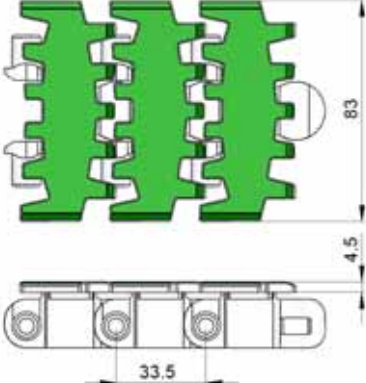
UOM: 5 Meter / box
Application: Suitable for vertical transport of product with no accumulation.

Friction Top Chain FSFT-5A

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


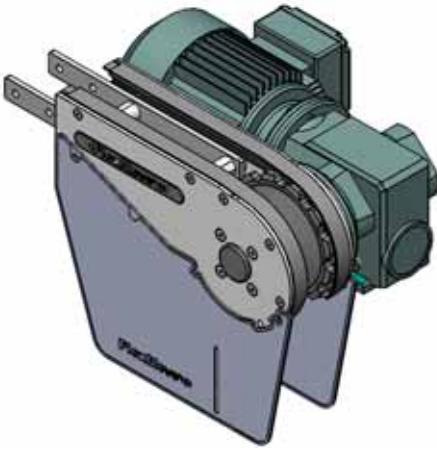
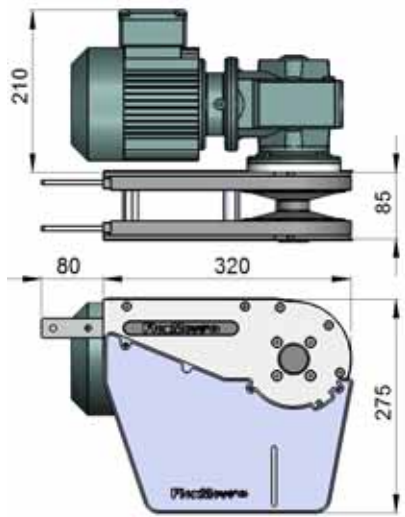
FM SERIES


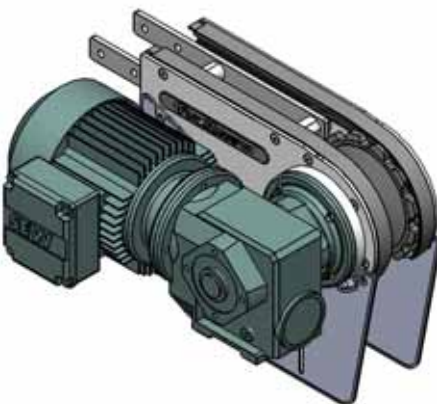
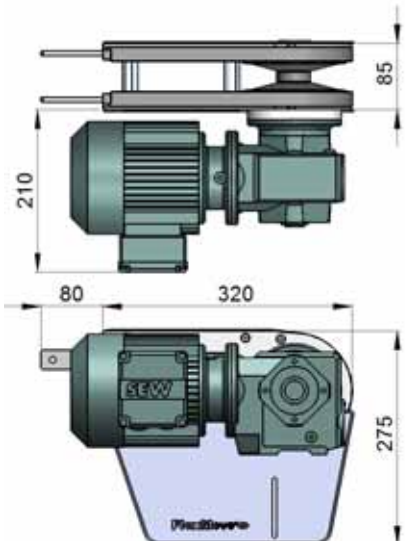
Magnet Top Chain FMMT-5	Magnet Top Chain FMMT-5-L#	Flocked Chain FMFK-5
 	<p># = 1, 2, 3, 4, 5.....20</p>  	 
<p>UOM: 5 Meter / box Application: Suitable for conveying of ferromagnetic products in slope.</p>	<p>UOM: 5 Meter / box Application: Suitable for conveying of ferromagnetic products in slope.</p>	<p>UOM: 5 METER/BOX Application: Suitable to transport light weight, fragile and scratch sensitive product.</p>

FM

FM SERIES


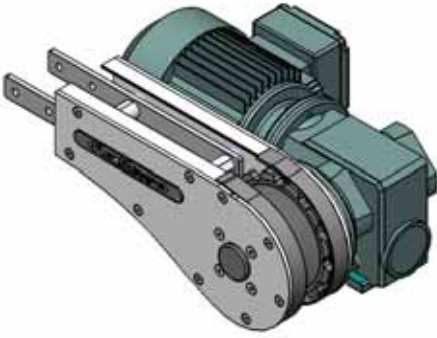
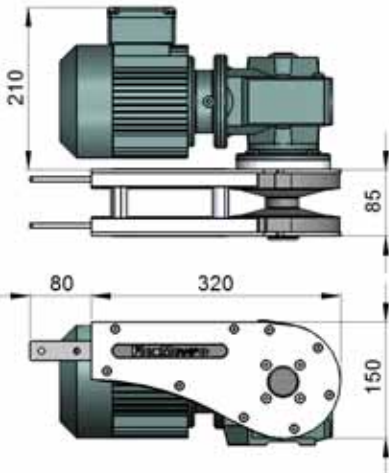
FM

FM Direct End Drive with Motor (LEFT) FMDD85-0.25L1, 0.37L1, 0.55L1		FM Direct End Drive without Motor (LEFT) FMDD85-0L1
		
<p>Max Traction Force : 1250N</p> <p>The Direct End Drive Unit is without torque limiter. Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FMDD85-0L1 represents direct drive without gear motor. Multi channel drives are available upon request.</p>		
UOM : pc Chain required 2-way : 0.8 meter Slide rail required 2-way: 0.5 meter		


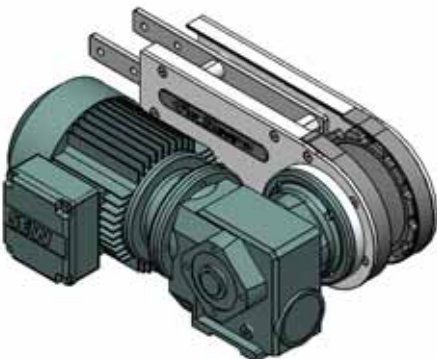
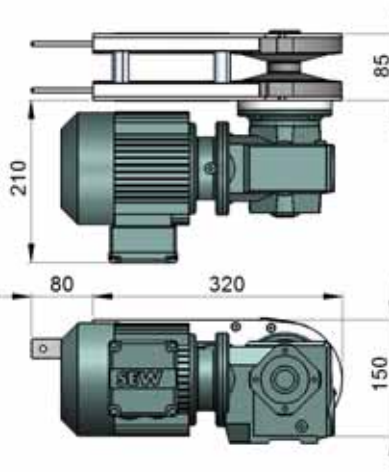
FM Direct End Drive with Motor (RIGHT) FMDD85-025R1, 0.37R1, 0.55R1		FM Direct End Drive without Motor (RIGHT) FMDD85-0R 1
		
<p>Max Traction Force : 1250N</p> <p>The Direct End Drive Unit without torque limiter. Standard attached gear motor are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FMDD85-0R1 represents direct drive without gear motor. Multi channel drives are available upon request.</p>		
UOM : pc Chain required 2-way : 0.8 meter Slide rail required 2-way: 0.5 meter		

SEW gear motors are products of SEW Eurodrive.

FM SERIES

FM Direct End Drive with Motor GP (LEFT) FMDD85-GP-0.25L1, 0.37L1, 0.55L1		FM Direct End Drive without Motor GP (LEFT) FMDD85-GP-0L1
 		
<p>Max Traction Force : 1250N</p> <p>The Direct End Drive Unit GP is used for vertical wedge conveyor. Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FMDD85-GP-0L represents direct drive without gear motor.</p>		
UOM : pc Chain required 2-way : 0.8 meter Slide rail required 2-way: 0.5 meter		

FM

FM Direct End Drive with Motor GP (RIGHT) FMDD85-GP-0.25R1, 0.37R1, 0.55R1		FM Direct End Drive without Motor GP (RIGHT) FMDD85-GP-0R1
 		
<p>Max Traction Force : 1250N</p> <p>The Direct End Drive Unit GP is used for vertical wedge conveyor Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FMDD85-GP-0R represents direct drive without gear motor.</p>		
UOM : pc Chain required 2-way : 0.8 meter Slide rail required 2-way: 0.5 meter		

SEW gear motors are products of SEW Eurodrive.

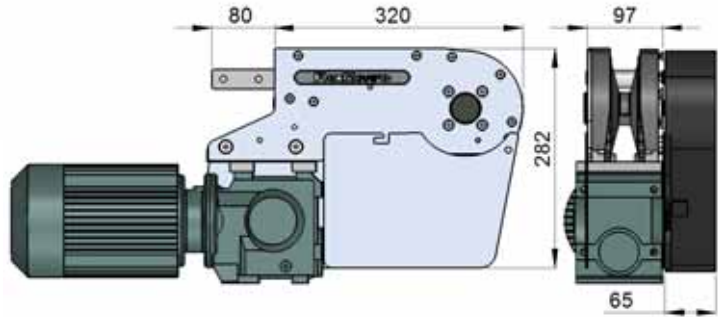
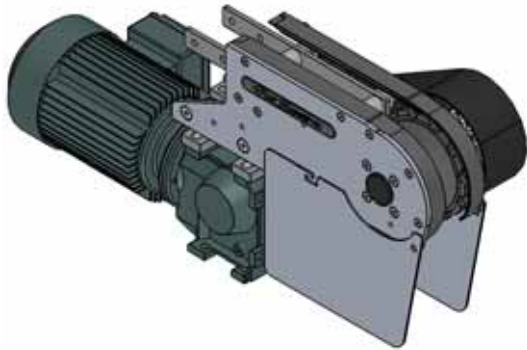
FM SERIES

FM

FM Suspended End Drive with Motor (LEFT)
FMSD-0.25L1, 0.37L1, 0.55L1



FM Suspended End Drive without Motor (LEFT)
FMSD-0L1



Max Traction Force : 1250N

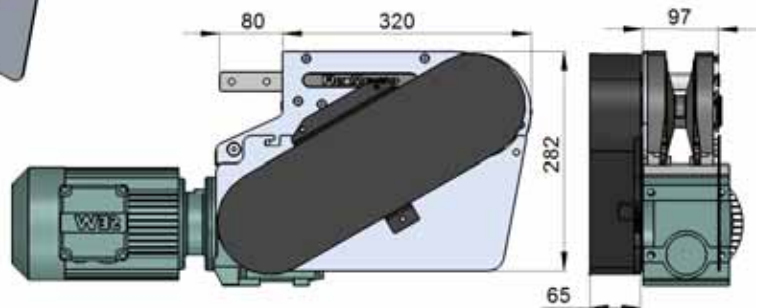
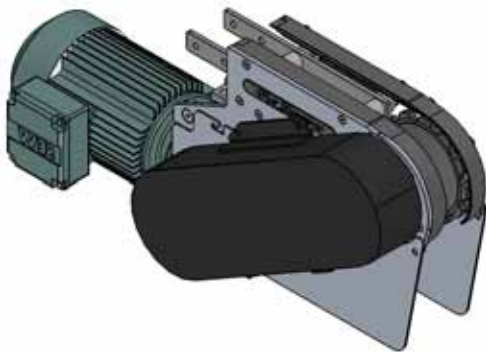
The Suspended End Drive Unit is with torque limiter. Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FMSD-0L represents direct drive without gear motor.

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

FM Suspended End Drive with Motor (RIGHT)
FMSD-0.25R1, 0.37R1, 0.55R1



FM Suspended End Drive without Motor (RIGHT)
FMSD-0R1



Max Traction Force : 1250N

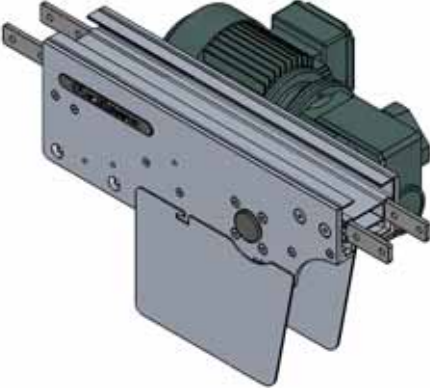
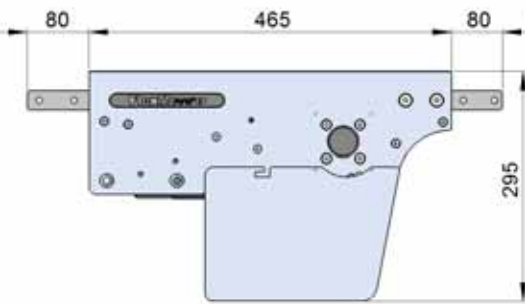
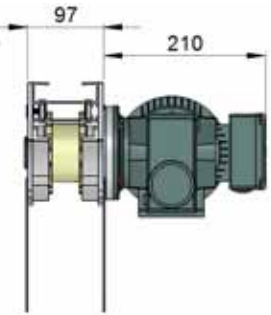
The Suspended End Drive Unit is with torque limiter. Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FMSD-0R represents direct drive without gear motor.

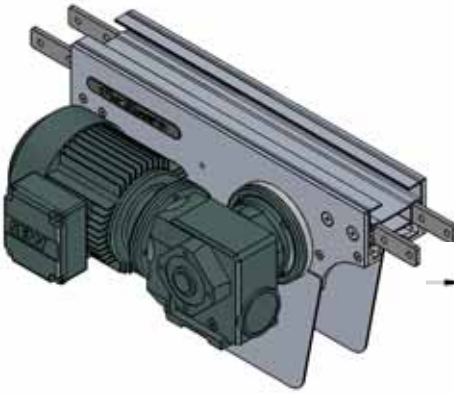
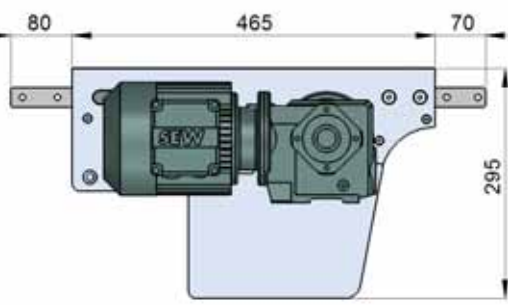
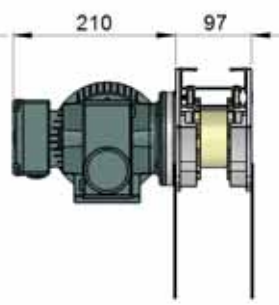
UOM : pc
Chain required 2-way : 0.8 meter
Slide rail required 2-way: 0.5 meter

SEW gear motors are products of SEW Eurodrive.

FM SERIES

FM

FM Direct Intermediate Drive with Motor (LEFT) FMID-DD-0.25L1, 0.37L1, 0.55L1		FM Direct Intermediate Drive without Motor (LEFT) FMID-DD-0L1
  		
<p>Max Traction Force : 200N</p> <p>The Direct Intermediate Drive Unit is without torque limiter. Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FMID-DD-0L represents direct drive without gear motor. Maximum traction force for FMID-DD is lower than FMDD and FMDD.</p>		
UOM : pc Chain required 2-way : 1.2 meter Slide rail required 2-way: 1.1 meter		

FM Direct Intermediate Drive with Motor (RIGHT) FMID-DD-0.25R1, 0.37R1, 0.55R1		FM Direct Intermediate Drive without Motor (RIGHT) FMID-DD-0R1
  		
<p>Max Traction Force : 200N</p> <p>The Direct Intermediate Drive Unit is without torque limiter. Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FMID-DD-0R represents direct drive without gear motor. Maximum traction force for FMID-DD is lower than FMDD and FMDD.</p>		
UOM : pc Chain required 2-way : 1.2 meter Slide rail required 2-way: 1.1 meter		

SEW gear motors are products of SEW Eurodrive.

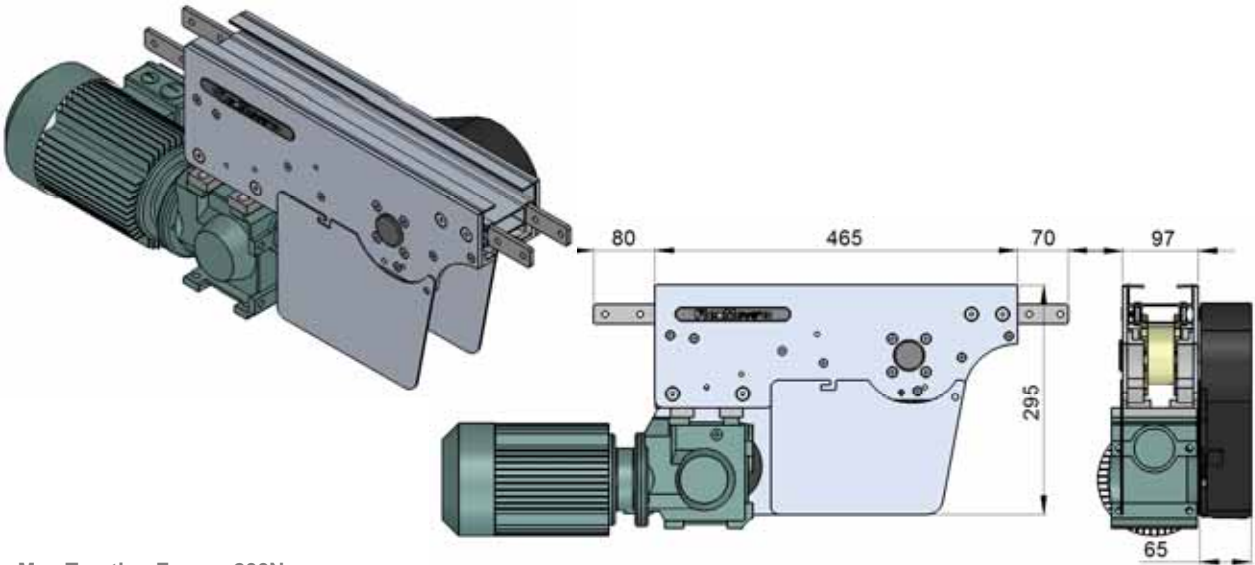
FM SERIES

FM

FM Suspended Intermediate Drive with Motor (LEFT)
FMID-SD-0.25L1, 0.37L1, 0.55L1



FM Suspended Intermediate Drive without Motor (LEFT)
FMID-SD-0L1



Max Traction Force : 200N

The Suspended Intermediate Drive Unit is with torque limiter. Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FMID-SD-0L represents suspended drive without gear motor. Maximum traction force for FMID-SD is lower than FMDD and FMSD.

UOM : pc

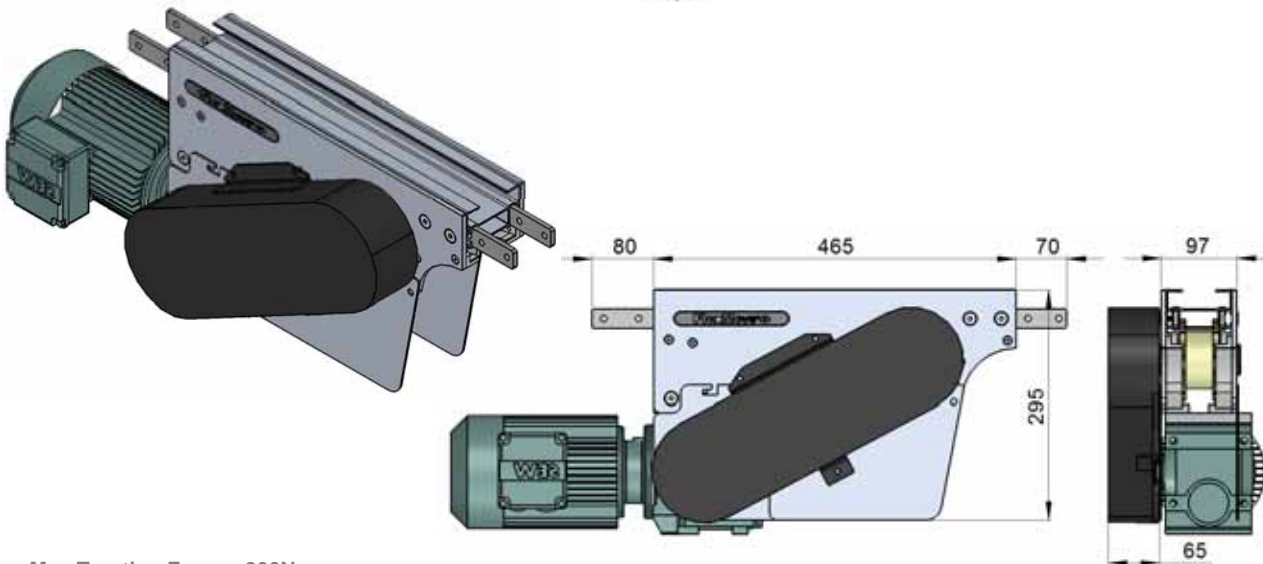
Chain required 2-way : 1.2 meter

Slide rail required 2-way: 1.1 meter

FM Suspended Intermediate Drive with Motor (RIGHT)
FMID-SD-0.25R1, 0.37R1, 0.55R1



FM Suspended Intermediate Drive without Motor (RIGHT)
FMID-SD-0R1



Max Traction Force : 200N

The Suspended Intermediate Drive Unit is with torque limiter. Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FMID-SD-0R represents suspended drive without motor. Maximum traction force for FMID-SD is lower than FMDD and FMSD.

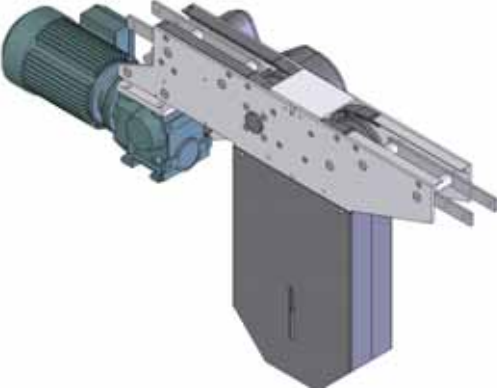
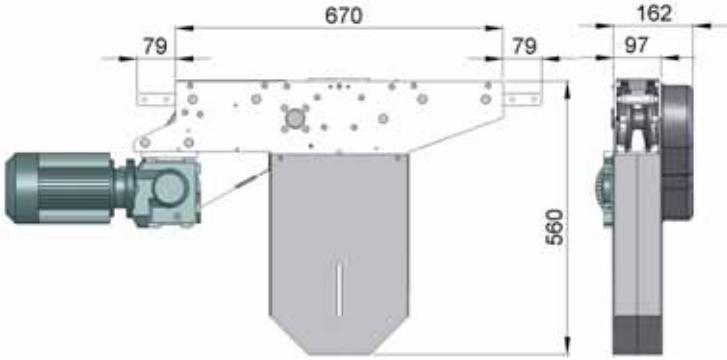
UOM : pc

Chain required 2-way : 1.2 meter

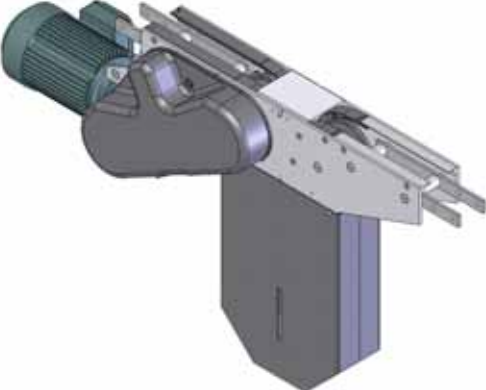
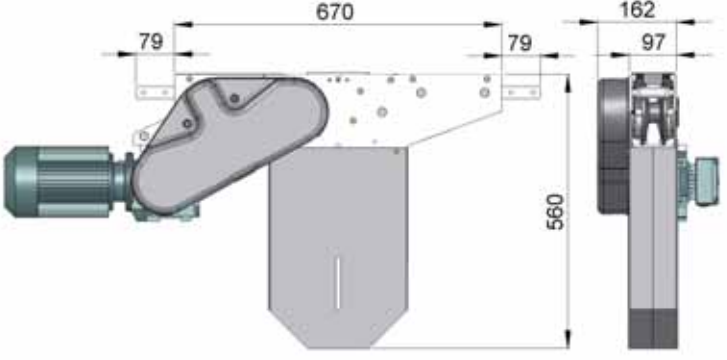
Slide rail required 2-way: 1.1 meter

SEW gear motors are products of SEW Eurodrive.

FM SERIES

FM Suspended Catenary Drive with Motor (LEFT) FMCD-SD-0.25L, 0.37L, 0.55L	FM Suspended Catenary Drive without Motor (LEFT) FMCD-0L
 	
<p>Max Traction Force : 1250N</p> <p>The Suspended Catenary Drive Unit is with torque limiter. Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FMCD-SD-0L represents suspended drive without gear motor.</p>	
<p>UOM : pc Chain required 1-way : 1.4 meter Slide rail required 1-way: 1.0 meter</p>	

FM

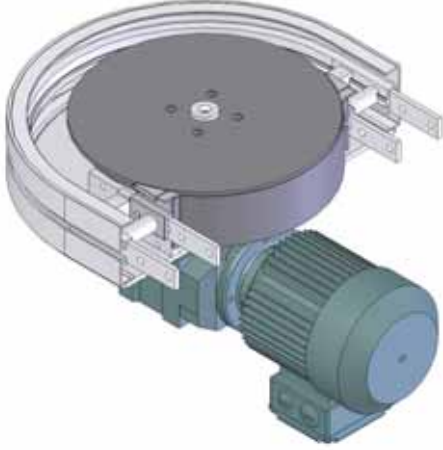
FM Suspended Catenary Drive with Motor (RIGHT) FMCD-SD-0.25R, 0.37R, 0.55R	FM Suspended Catenary Drive without Motor (RIGHT) FMCD-0R
 	
<p>Max Traction Force : 1250N</p> <p>The Suspended Catenary Drive Unit is with torque limiter. Standard attached drive are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FMCD-SD-0R represents suspended drive without motor.</p>	
<p>UOM : pc Chain required 1-way : 1.4 meter Slide rail required 1-way: 1.0 meter</p>	

SEW gear motors are products of SEW Eurodrive.

FM SERIES

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FM Direct Wheel Drive with Motor
FMWD-DD-0.25, 0.37, 0.55

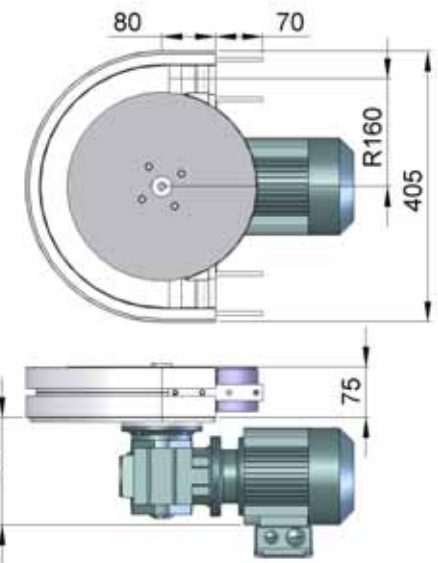


Max Traction Force : 200N

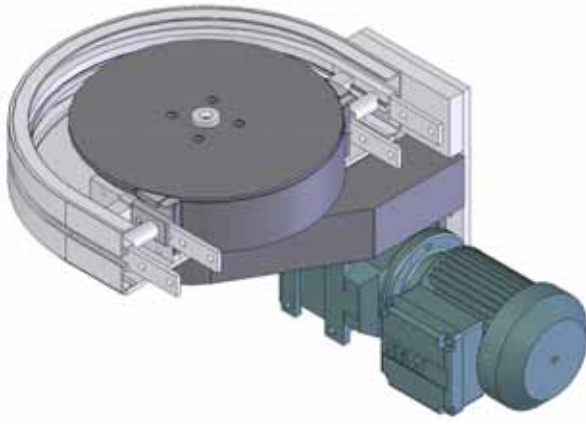
The Direct Wheel Drive Unit is without torque limiter. Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FMWD-DD-0M represents wheel drive without gear motor. Maximum traction force for FMWD-DD is lower than FMDD and FMSD.

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

FM Direct Wheel Drive without Motor
FMWD-DD-0M



FM Suspended Wheel Drive with Motor
FMWD-SD-0.25, 0.37, 0.55

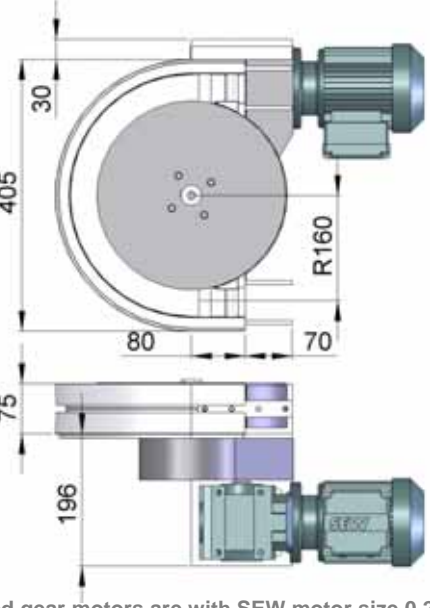


Max Traction Force : 200N

The Suspended Wheel Drive Unit is with torque limiter. Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. 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

FM Suspended Wheel Drive without Motor
FMWD-SD-0M

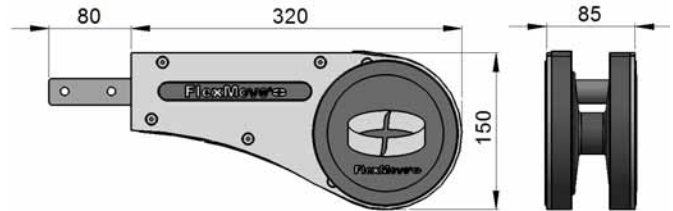
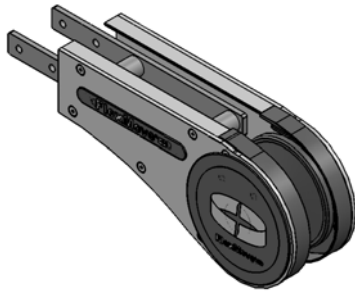


SEW gear motors are products of SEW Eurodrive.

FM SERIES

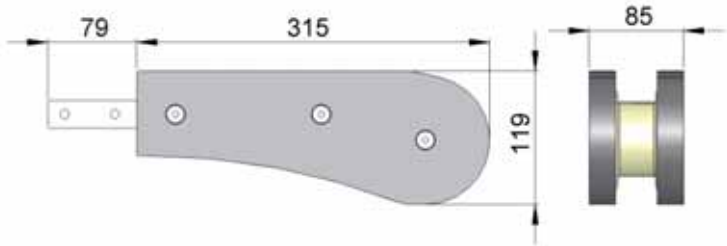
FM

FM Idler End-320
FMIE-320



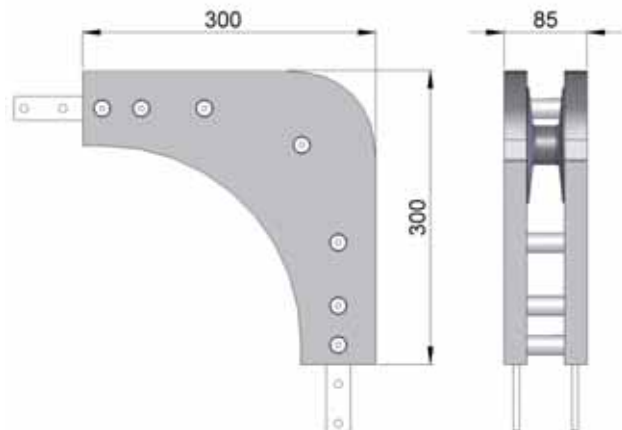
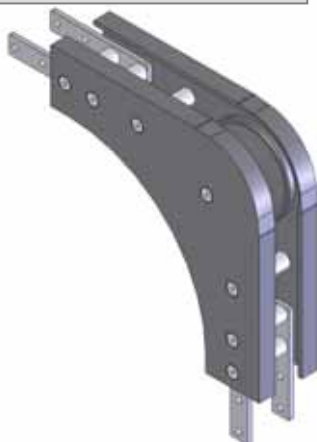
UOM : pc
Chain required 2-way : 0.8 meter
Slide rail required 2-way: 0.5 meter

FM Idler End-315
FMIE-315



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

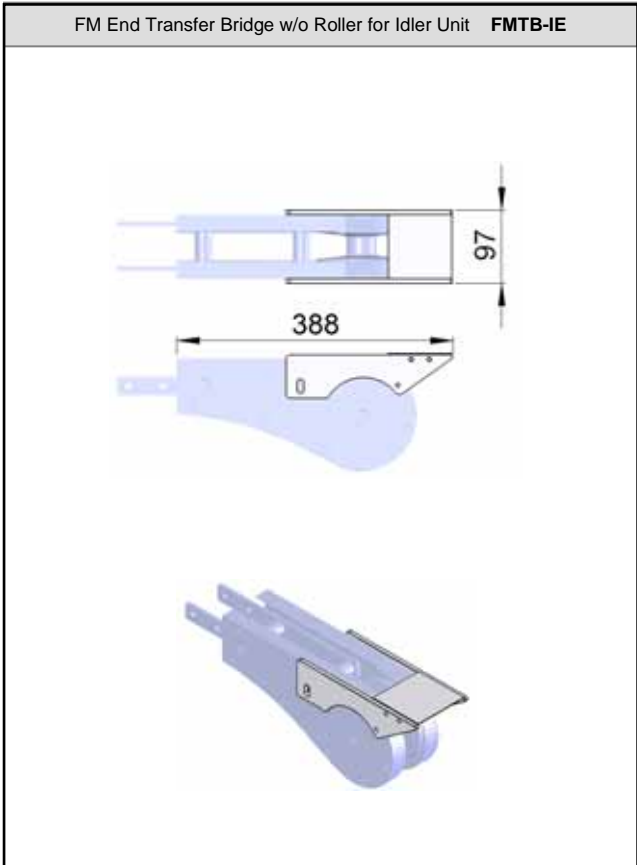
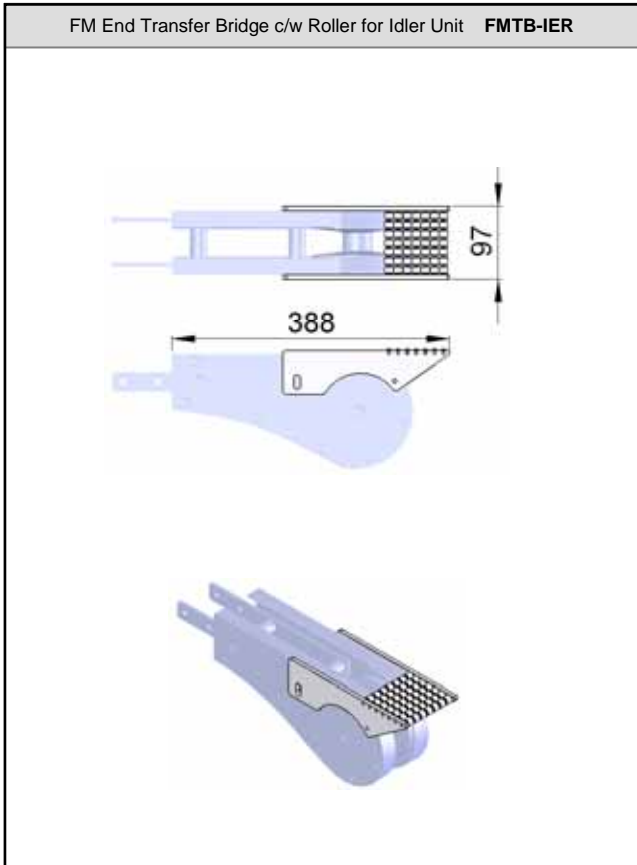
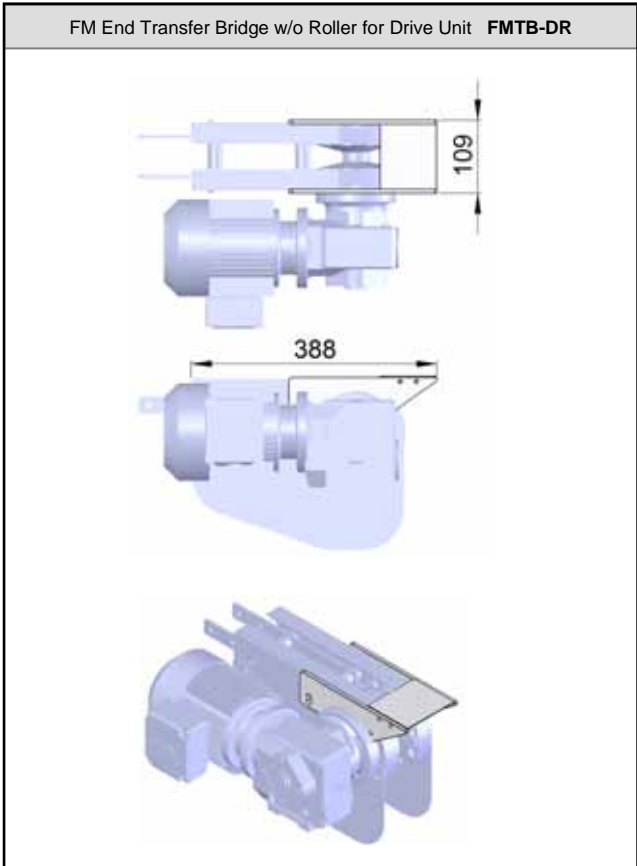
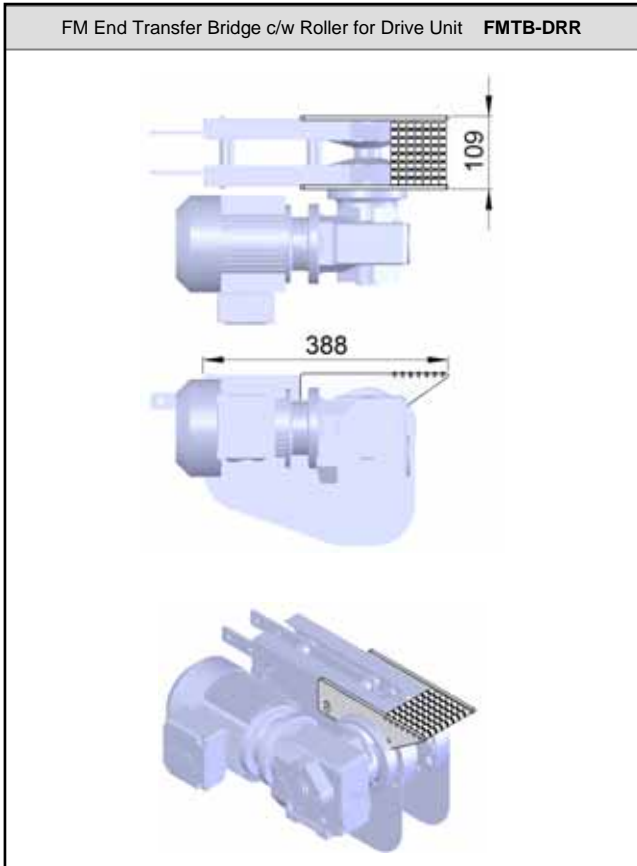
FM Idler Bend
FMIB-300



UOM : pc
Chain required 2-way : 1.6 meter
Slide rail required 2-way: 0

FM SERIES

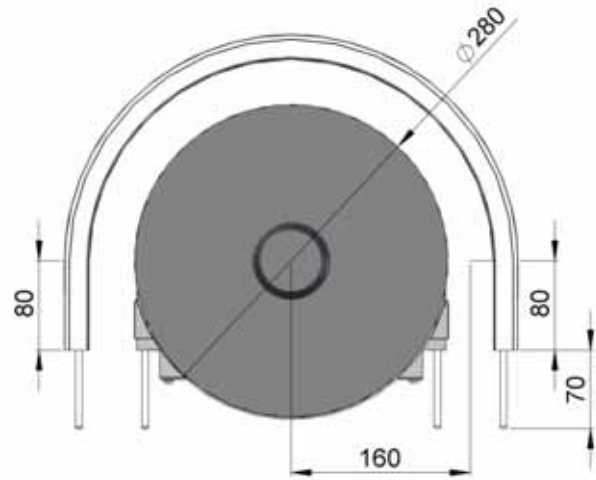
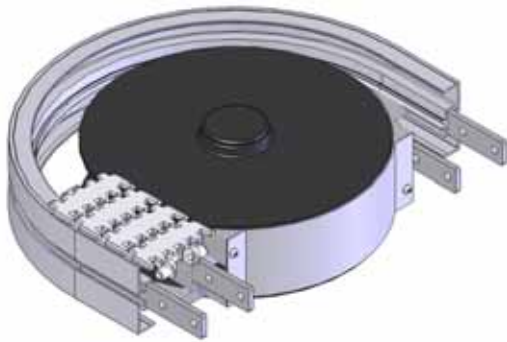
FM



FM SERIES

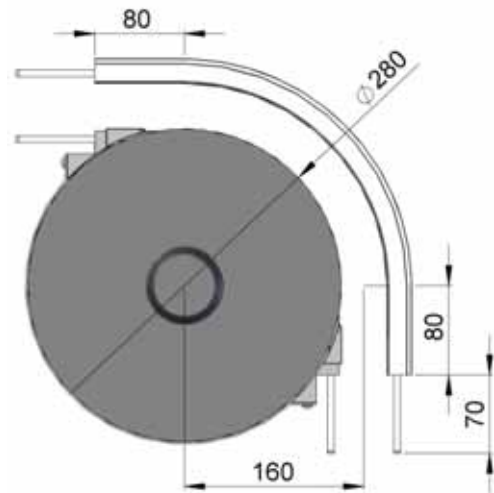
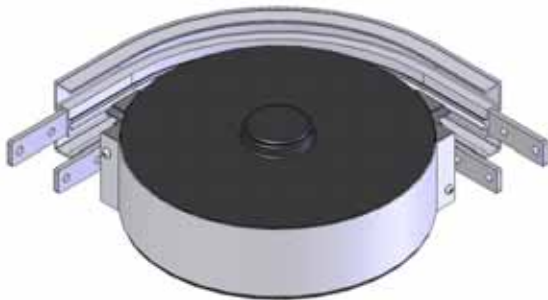
FM

FM Wheel Bend 180°
FMWB-180R160A



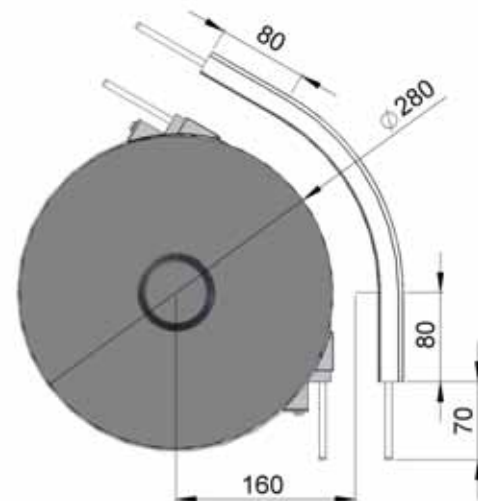
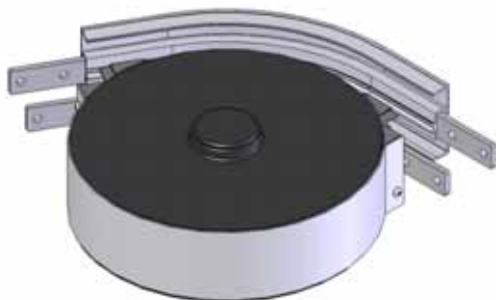
UOM : pc
Chain required 2-way : 0.9 meter
Slide rail required 2-way: 1.0 meter

FM Wheel Bend 90°
FMWB-90R160A



UOM : pc
Chain required 2-way : 0.6 meter
Slide rail required 2-way: 0.8 meter

FM Wheel Bend 60°
FMWB-60R160A

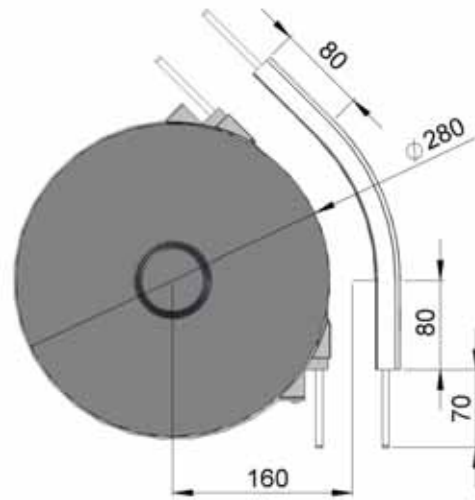
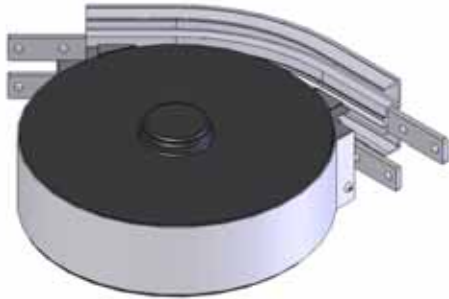


UOM : pc
Chain required 2-way : 0.5 meter
Slide rail required 2-way: 0.7 meter

FM SERIES

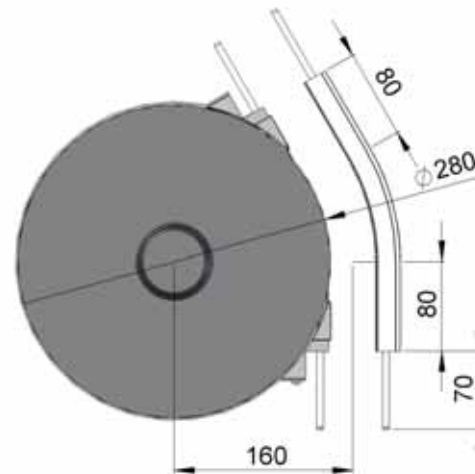
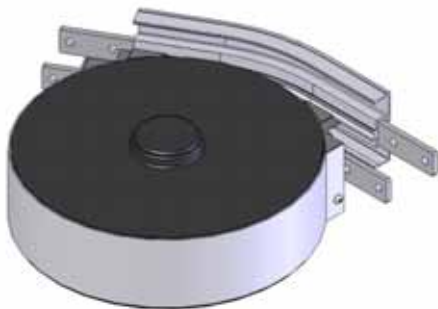
FM

FM Wheel Bend 45°
FMWB-45R160A



UOM : pc
Chain required 2-way : 0.5 meter
Slide rail required 2-way: 0.6 meter

FM Wheel Bend 30°
FMWB-30R160A



UOM : pc
Chain required 2-way : 0.4 meter
Slide rail required 2-way: 0.6 meter

FM Wheel Bend 5° - 180°

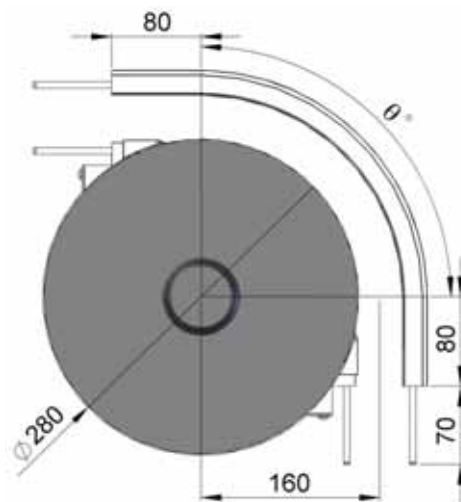
Example for FM Wheel Bend Ordering

Wheel bend, $\Theta^\circ \pm 1^\circ$

FMWB- Θ° R160A

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

FMWB-65R160A

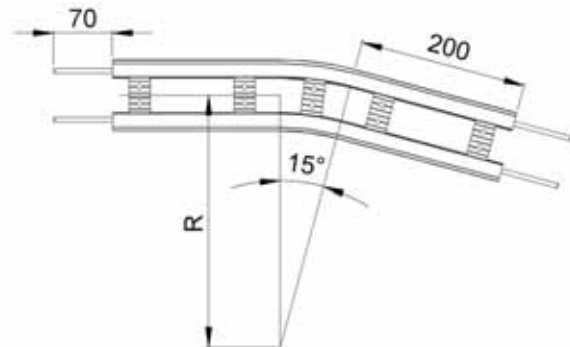


The outer bend is assembled using connecting strip (FACS-25x140A). Angle of Θ° must be indicated when ordering.

FM SERIES

FM

FM Horizontal Plain Bend 15°



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

Horizontal plain bend, 15° ± 1°

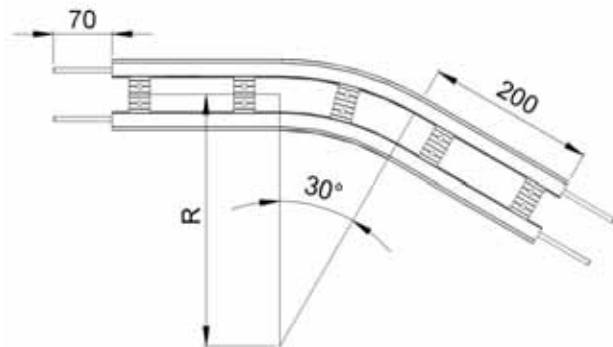
R = 300 ± 10mm **FMHB-15R300**

R = 500 ± 10mm **FMHB-15R500**

R = 700 ± 10mm **FMHB-15R700**

R = 1000 ± 10mm **FMHB-15R1000**

FM Horizontal Plain Bend 30°



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

Horizontal plain bend, 30° ± 1°

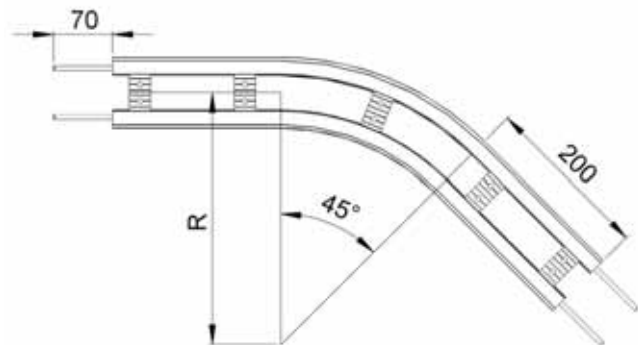
R = 300 ± 10mm **FMHB-30R300**

R = 500 ± 10mm **FMHB-30R500**

R = 700 ± 10mm **FMHB-30R700**

R = 1000 ± 10mm **FMHB-30R1000**

FM Horizontal Plain Bend 45°



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

Horizontal plain bend, 45° ± 1°

R = 300 ± 10mm **FMHB-45R300**

R = 500 ± 10mm **FMHB-45R500**

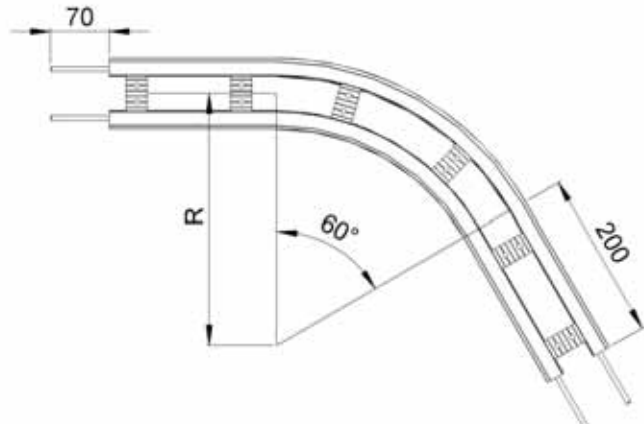
R = 700 ± 10mm **FMHB-45R700**

R = 1000 ± 10mm **FMHB-45R1000**

FM SERIES

FM

FM Horizontal Plain Bend 60°



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

Horizontal plain bend, 60° ± 1°

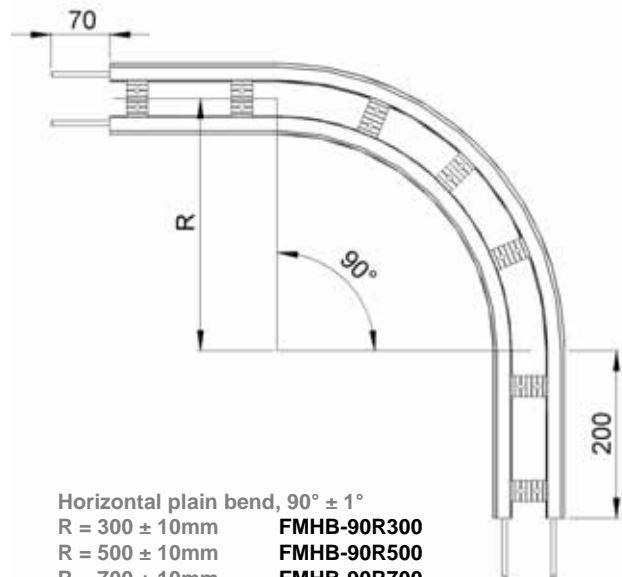
R = 300 ± 10mm **FMHB-60R300**

R = 500 ± 10mm **FMHB-60R500**

R = 700 ± 10mm **FMHB-60R700**

R = 1000 ± 10mm **FMHB-60R1000**

FM Horizontal Plain Bend 90°



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

Horizontal plain bend, 90° ± 1°

R = 300 ± 10mm **FMHB-90R300**

R = 500 ± 10mm **FMHB-90R500**

R = 700 ± 10mm **FMHB-90R700**

R = 1000 ± 10mm **FMHB-90R1000**

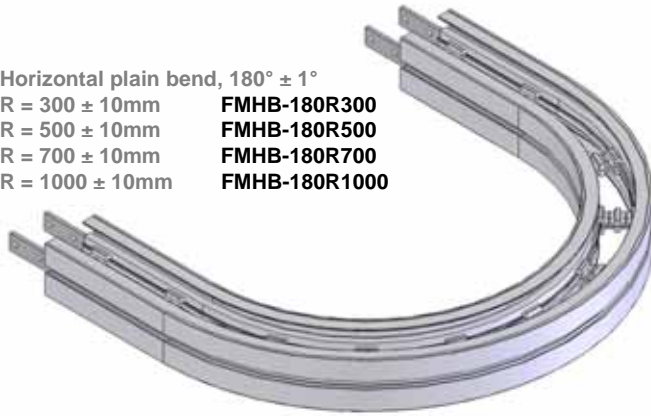
FM SERIES

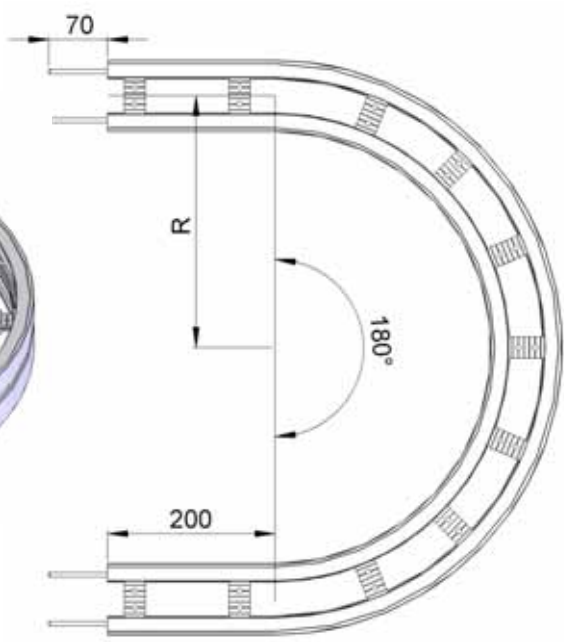
FM

FM Horizontal Plain Bend 180°

Horizontal plain bend, $180^\circ \pm 1^\circ$

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

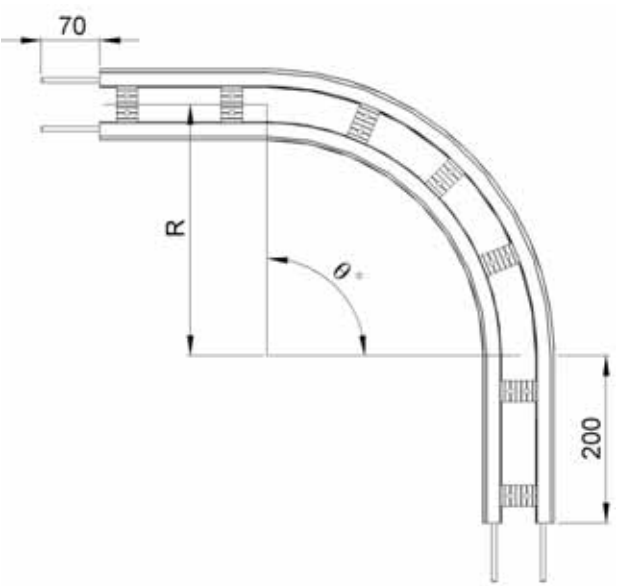
Example for FM Horizontal Plain Bend Ordering

Horizontal plain bend, $\Theta^\circ \pm 1^\circ$

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

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

FMHB-120R500



UOM : pc

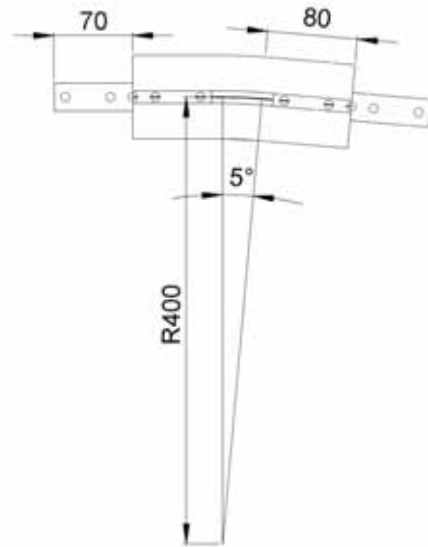
Chain required 2-way (300, 500, 700, 1000) : meter (variable to angle)

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

FM SERIES

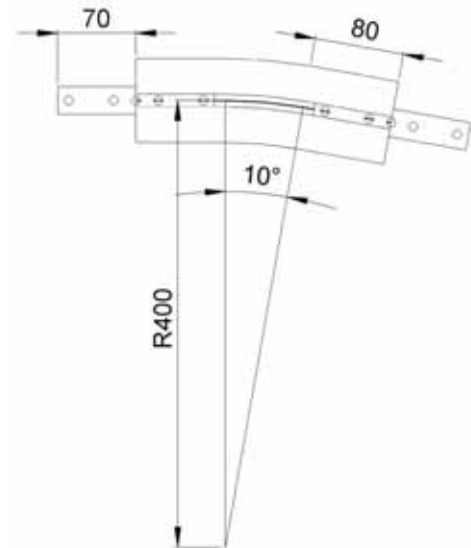
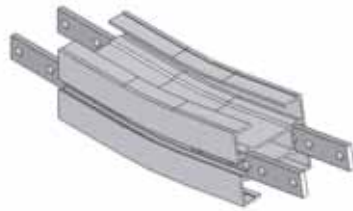
FM

FM Vertical Bend 5°
FMVB-5R400



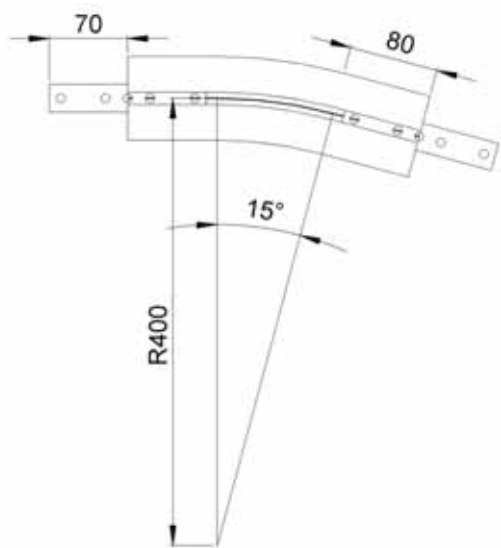
UOM: pc
Chain required 2-way: 0.4 meter
Slide rail required 2-way: 0.8 meter

FM Vertical Bend 10°
FMVB-10R400



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

FM Vertical Bend 15°
FMVB-15R400

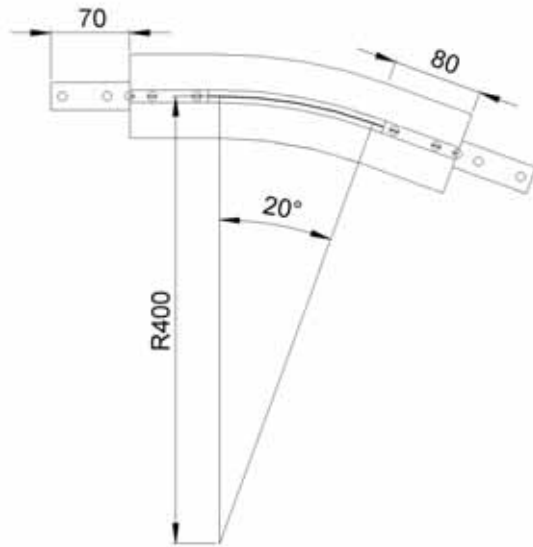


UOM: pc
Chain required 2-way: 0.6 meter
Slide rail required 2-way: 1.1 meter

FM SERIES

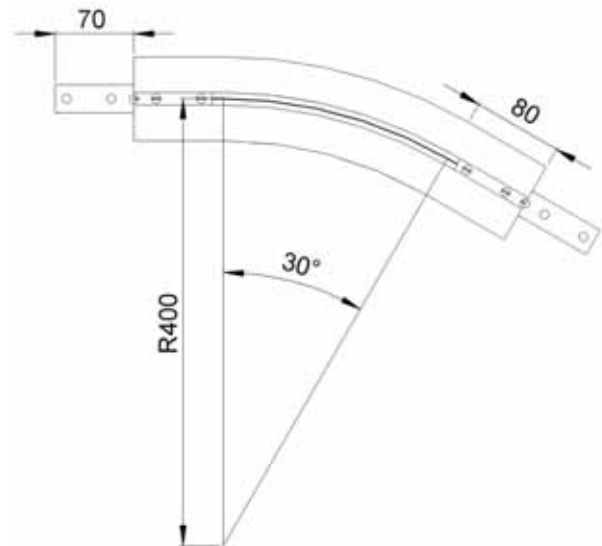
FM

FM Vertical Bend 20°
FMVB-20R400



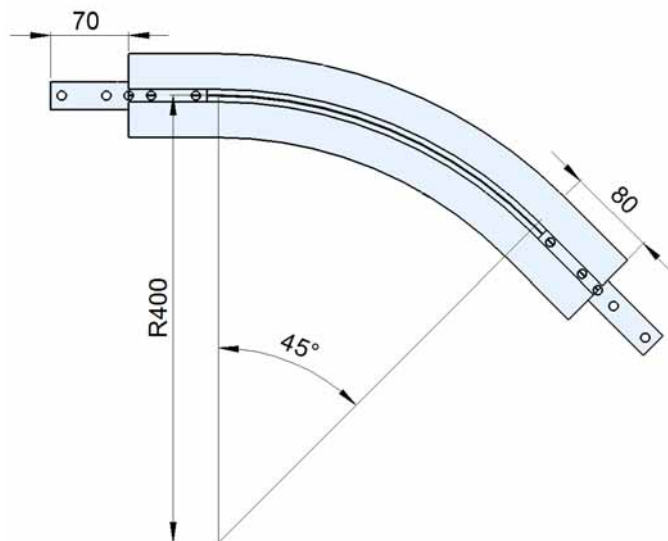
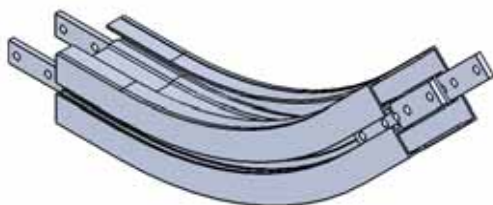
UOM: pc
Chain required 2-way: 0.6 meter
Slide rail required 2-way: 1.2 meter

FM Vertical Bend 30°
FMVB-30R400



UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 1.5 meter

FM Vertical Bend 45°
FMVB-45R400

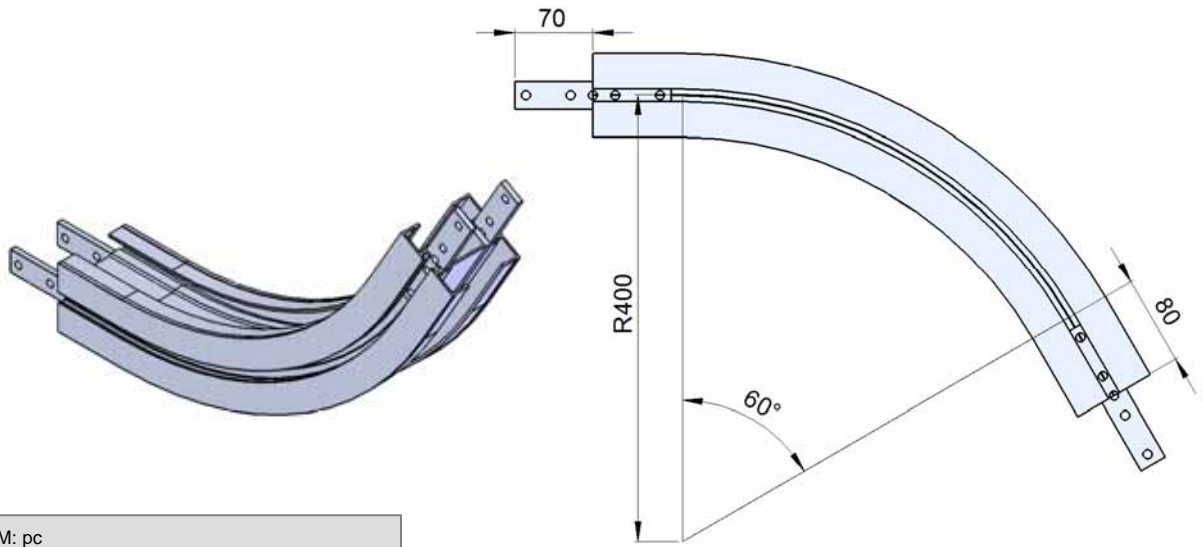


UOM: pc
Chain required 2-way: 1.0 meter
Slide rail required 2-way: 1.9 meter

FM SERIES

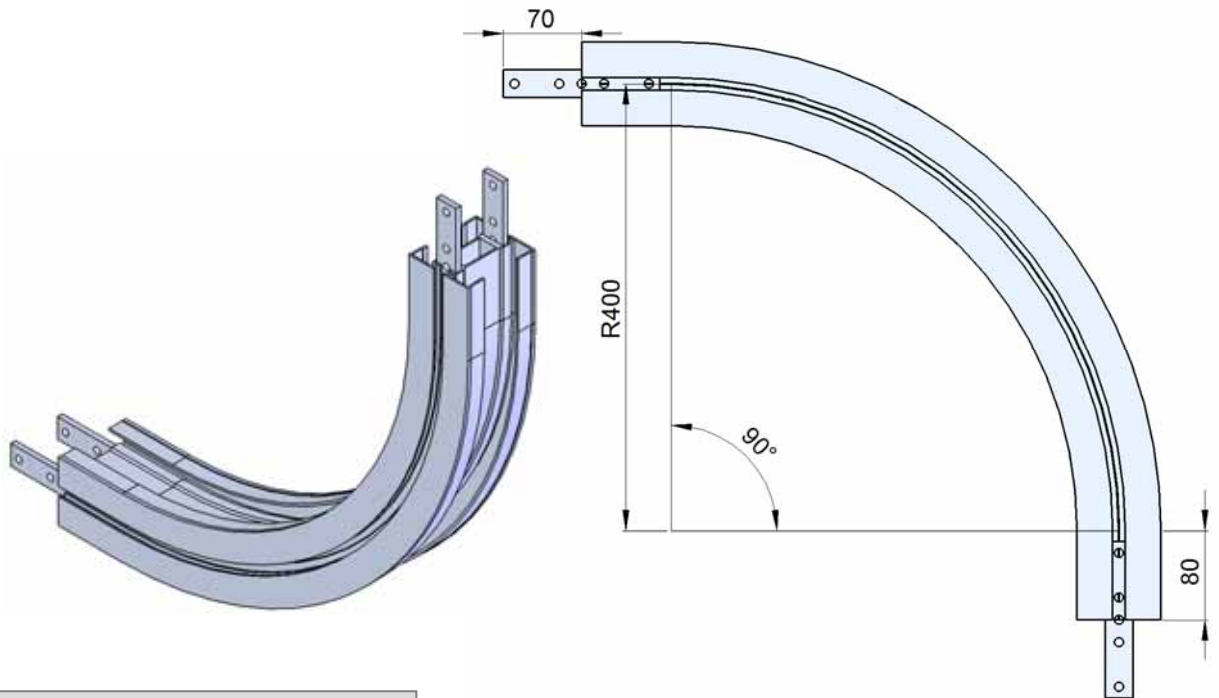
FM

FM Vertical Bend 60°
FMVB-60R400



UOM: pc
Chain required 2-way: 1.2 meter
Slide rail required 2-way: 2.4 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 SERIES

FM Vertical Bend 5° - 90°

Example for FM Vertical Bend Ordering

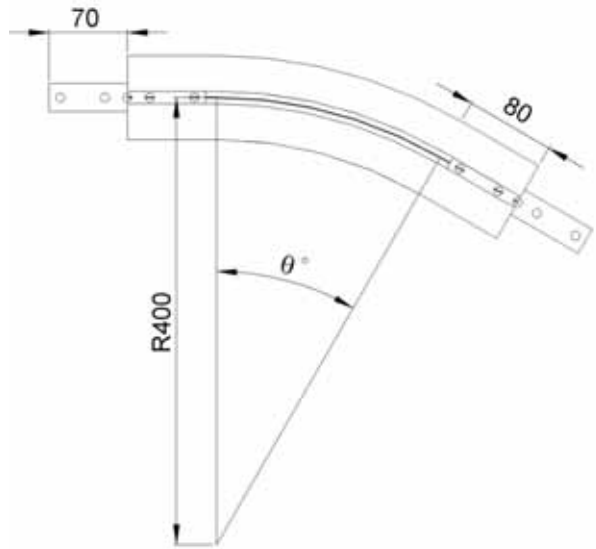
Vertical bend, $\theta^\circ \pm 1^\circ$

FMVB- θ° R400

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

FMVB-65R400

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



FM