





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

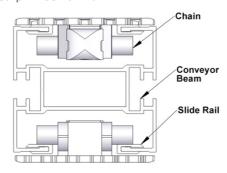
Slide Rail Required: FASR-25 OR FASR-25U Slide Rail Colour: WHITE OR NATURAL COLOUR

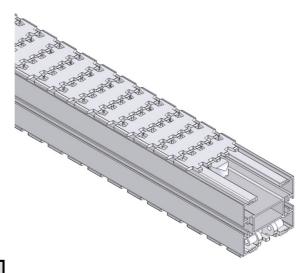
Slide Rail Material: HDPE OR UHMW

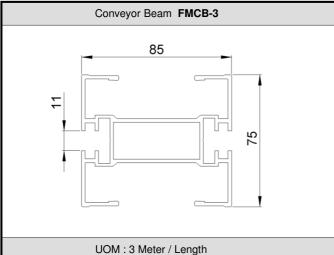
Slide Rail Rivet and Screw: FASLR-4X6 or FASLS-M5

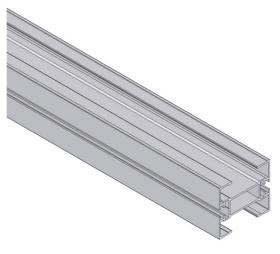
Connecting strip is used to connect 2 beams.

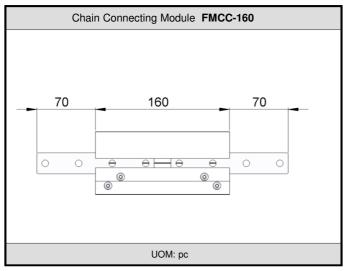
Connecting Strip: FACS-25x140A

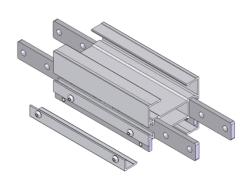














### Connecting Possibilities™

## **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

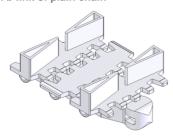
Pivot: Polyamide

Pivot Pin: Stainless Steel

Insert (Wedge and Friction): TPE Grey

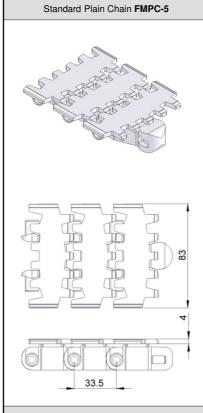
# Example for FMCT-5A17-L#

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



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

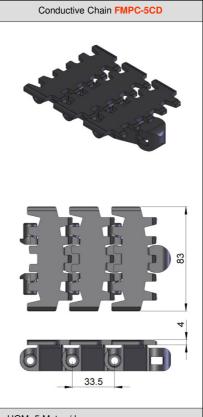
Note: # = 1, 2, 3, 4, 5.....20



UOM: 5 Meter / box

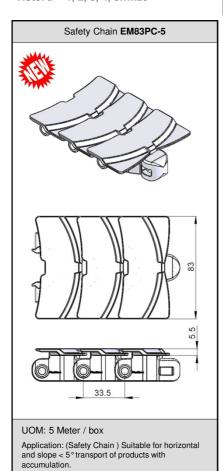
Application: Suitable for horizontal and slope  $<5\,^{\circ}$  transport of products with accumulation.

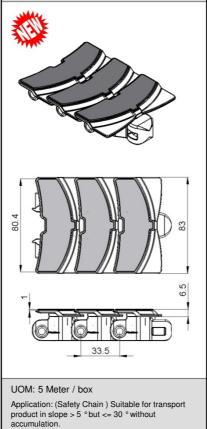
Safety Chain Friction Top EM83FT-5



UOM: 5 Meter / box

Application: Suitable for transport of static sensitive product.

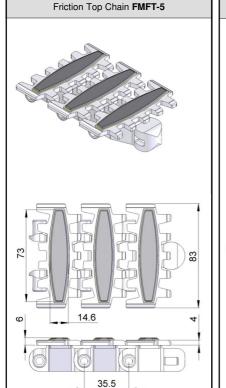




11.6



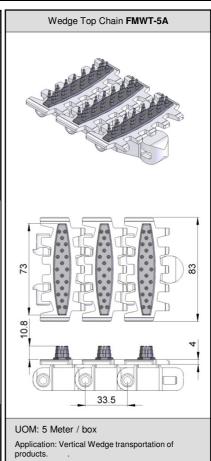
Connecting Possibilities™

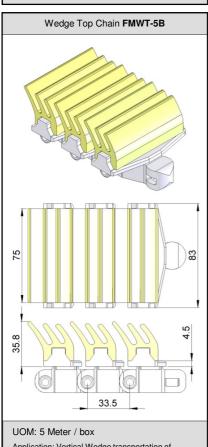


UOM: 5 Meter / box Application: Suitable for transport product in slope > 5  $^{\circ}$  but <= 30  $^{\circ}$  without accumulation.

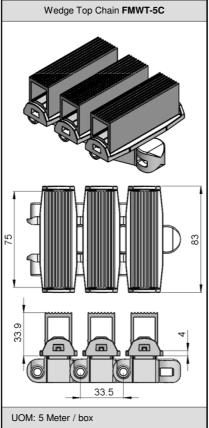
# Friction Top Chain FMFT-5A 33.5 UOM: 5 Meter / box

Application: Suitable for transport product in slope > 5  $^{\circ}$  but <= 30  $^{\circ}$  without accumulation.

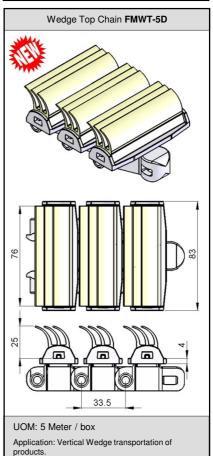




Application: Vertical Wedge transportation of products (Heavy duty)



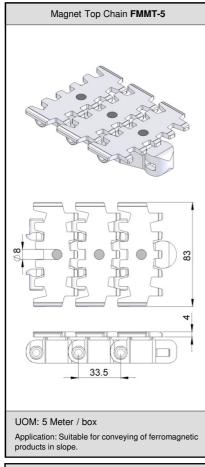
Application: Vertical Wedge transportation of products (Heavy duty)

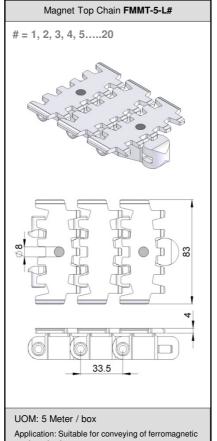


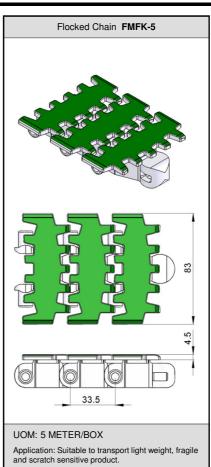


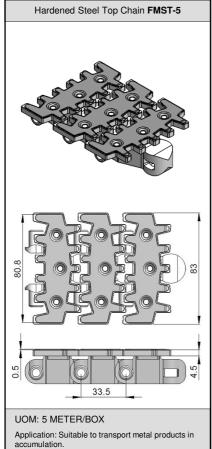
6-4

Connecting Possibilities™

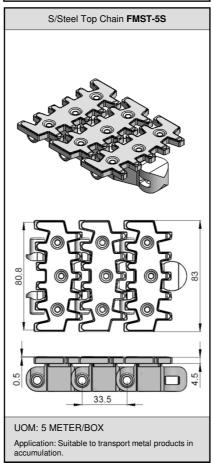








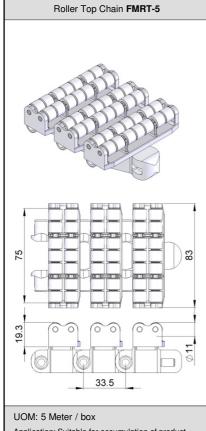
10.12



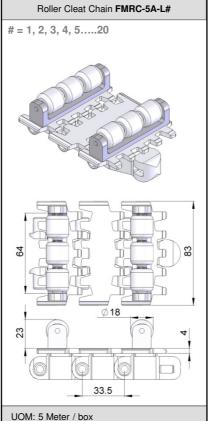
products in slope.



Connecting Possibilities™

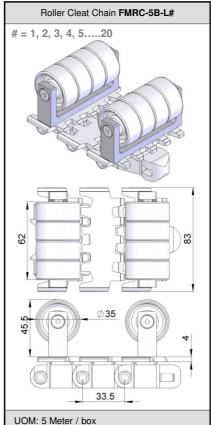


Application: Suitable for accumulation of product with low friction and pressure.

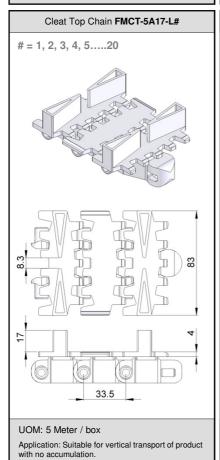


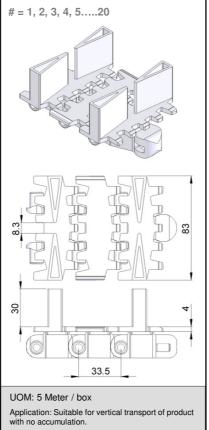
Application: Suitable for vertical transportation of product in slope with no accumulation.

Cleat Top Chain FMCT-5A30-L#



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



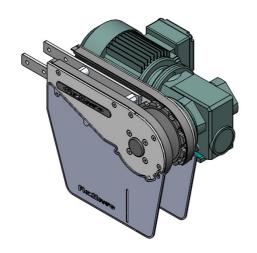


6-4a



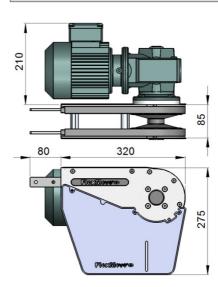
FM Direct End Drive with Motor (LEFT)

# FMDD85-0.25L1, 0.37L1, 0.55L1



FM Direct End Drive without Motor (LEFT)

FMDD85-0L1



**Max Traction Force: 1250N** 

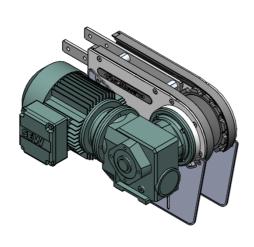
The Direct End Drive Unit is without torque limiter. Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FMDD85-0L1 represents direct drive without gear motor. Multi channel drives are available upon request.

UOM: pc

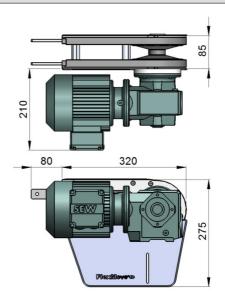
Chain required 2-way: 0.8 meter Slide rail required 2-way: 0.5 meter

FM Direct End Drive with Motor (RIGHT)

FMDD85-025R1, 0.37R1, 0.55R1



FM Direct End Drive without Motor (RIGHT)
FMDD85-0R 1



**Max Traction Force: 1250N** 

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.

UOM : pc

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

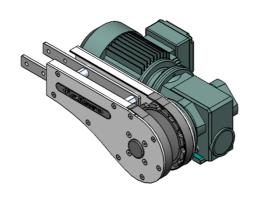
SEW gear motors are products of SEW Eurodrive

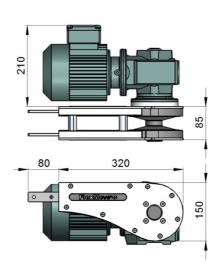


FM Direct End Drive with Motor GP (LEFT)

FMDD85-GP-0.25L1, 0.37L1, 0.55L1

# FM Direct End Drive without Motor GP (LEFT) FMDD85-GP-0L1





Max Traction Force: 1250N

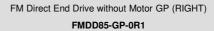
The Direct End Drive Unit GP is used for vertical wedge conveyor. Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FMDD85-GP-0L represents direct drive without gear motor.

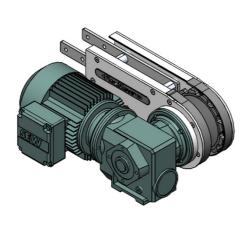
UOM:pc

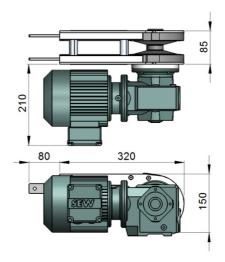
Chain required 2-way: 0.8 meter Slide rail required 2-way: 0.5 meter

FM Direct End Drive with Motor GP (RIGHT)

FMDD85-GP-025R1, 0.37R1, 0.55R1







**Max Traction Force: 1250N** 

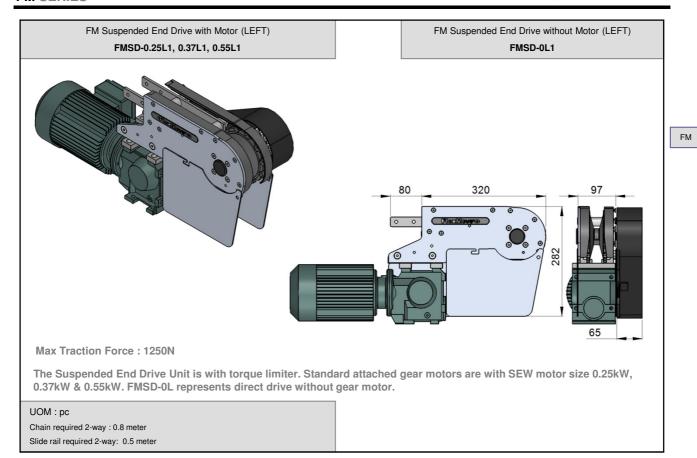
The Direct End Drive Unit GP is used for vertical wedge conveyor Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FMDD85-GP-0R represents direct drive without gear motor.

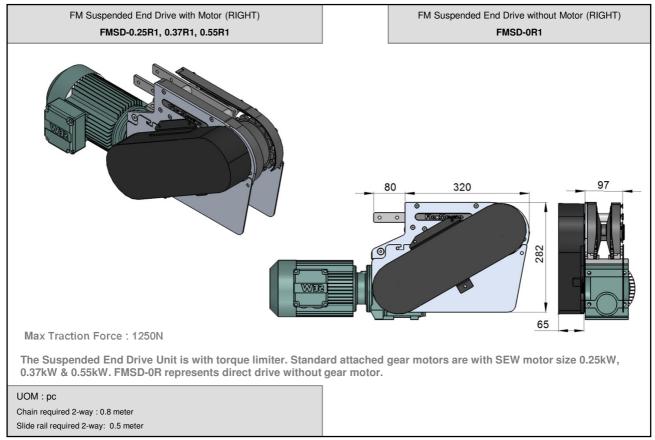
UOM : pc

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

SEW gear motors are products of SEW Eurodrive.



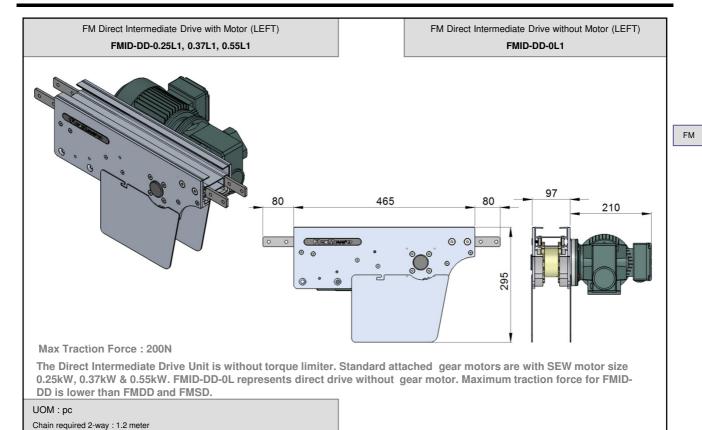


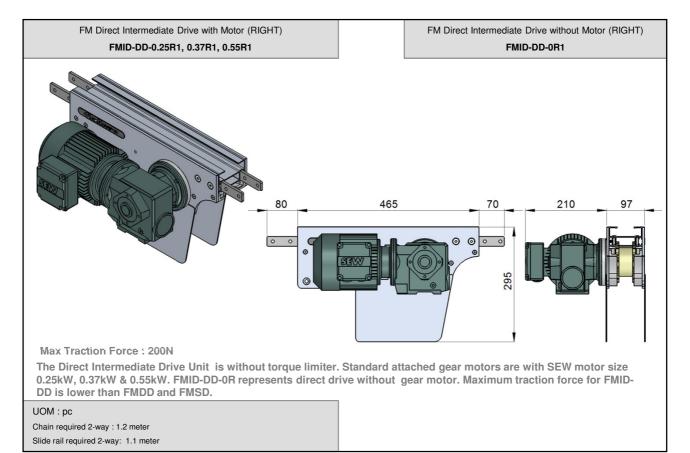


SEW gear motors are products of SEW Eurodrive

Slide rail required 2-way: 1.1 meter







SEW gear motors are products of SEW Eurodrive



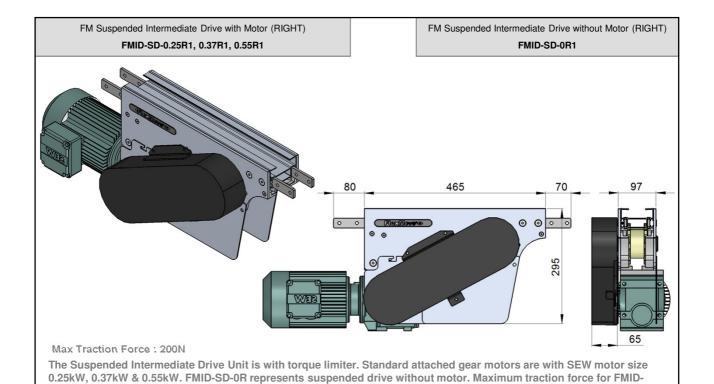
FM Suspended Intermediate Drive with Motor (LEFT)

FMID-SD-0.25L1, 0.37L1, 0.55L1

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



UOM: pc

10.8

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

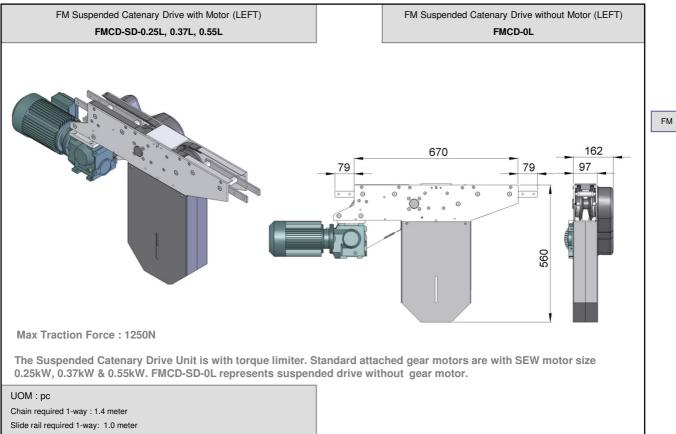
SD is lower than FMDD and FMSD.

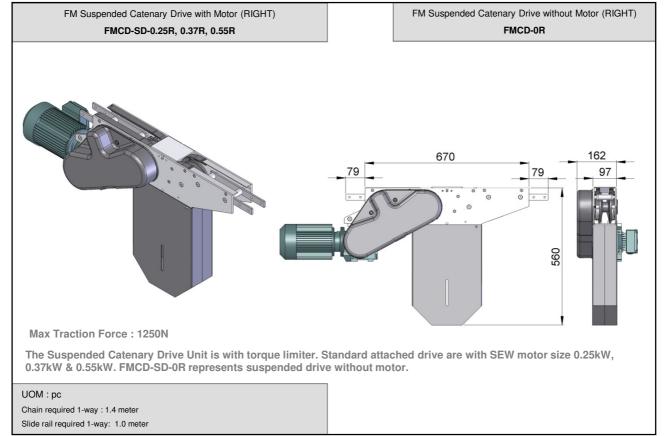
SEW gear motors are products of SEW Eurodrive

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SEW geal inviols are products of SEW Eurodine





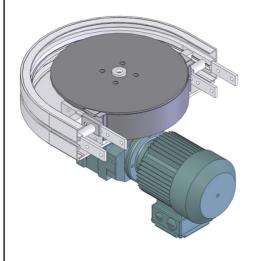


SEW gear motors are products of SEW Eurodrive



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

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



160 405 405

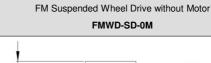
Max Traction Force: 200N

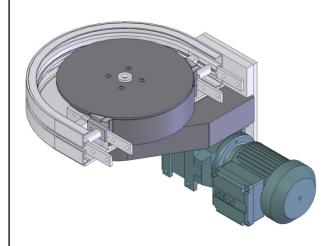
The Direct Wheel Drive Unit is without torque limiter. Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FMWD-DD-0M represents wheel drive without gear motor. Maximum traction force for FMWD-DD is lower than FMDD and FMSD.

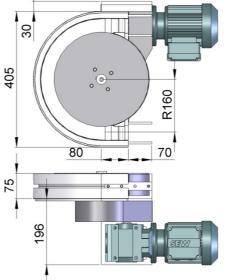
UOM: pc

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

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







Max Traction Force: 200N

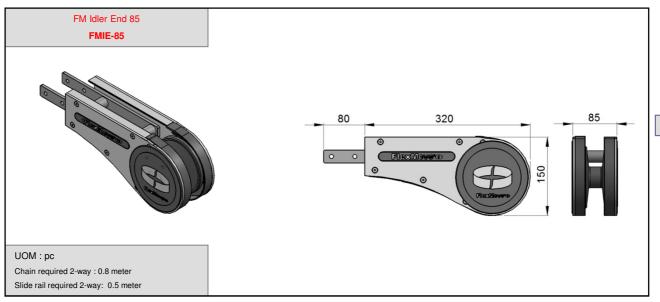
The Suspended Wheel Drive Unit is with torque limiter. Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FMWD-SD-0M represents wheel drive without gear motor. Maximum traction force for FMWD-SD is lower than FMDD and FMSD.

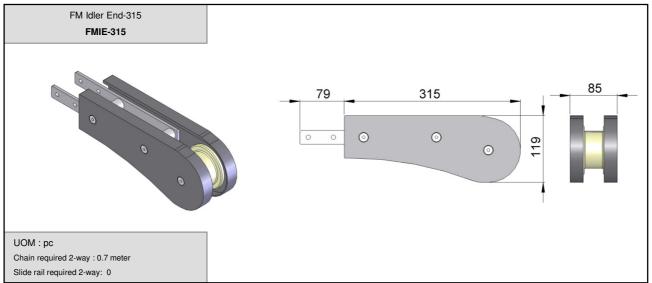
UOM: pc

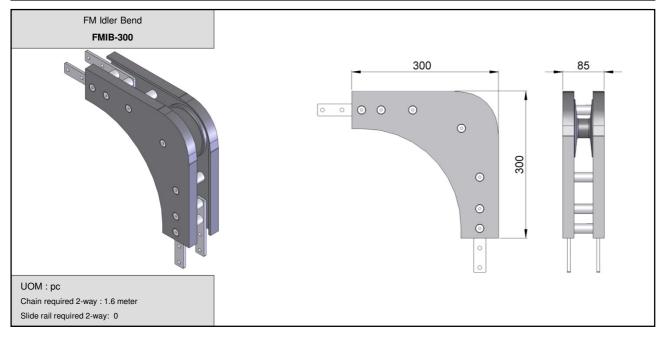
Chain required 1-way: 0.7 meter Slide rail required 1-way: 0.7 meter

SEW gear motors are products of SEW Eurodrive



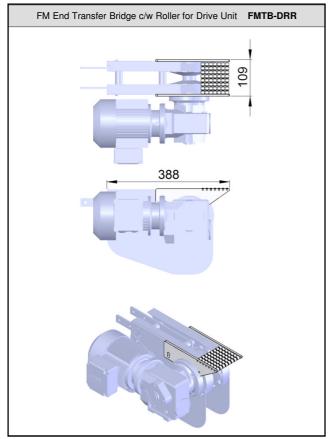


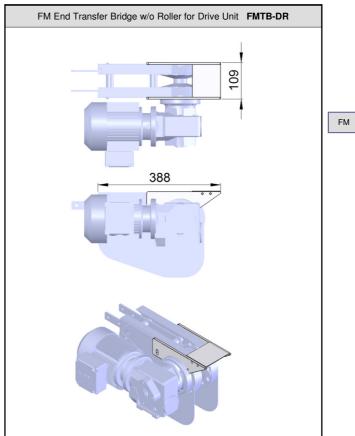


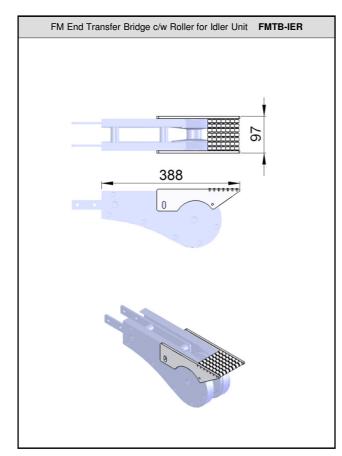


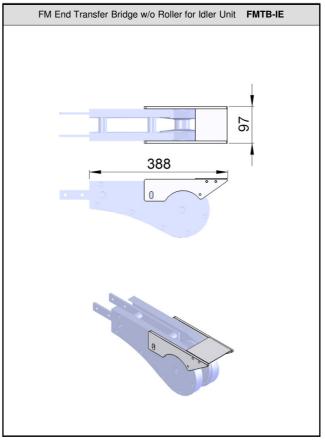
11.6 6-12



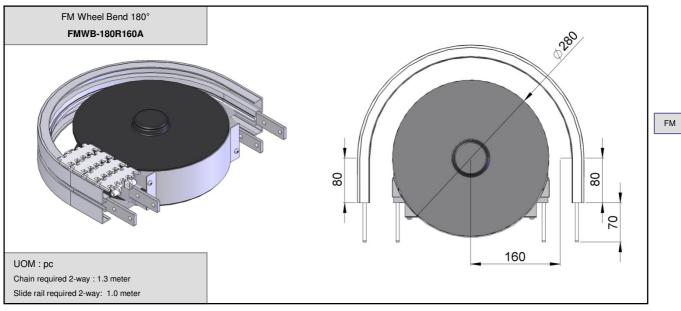


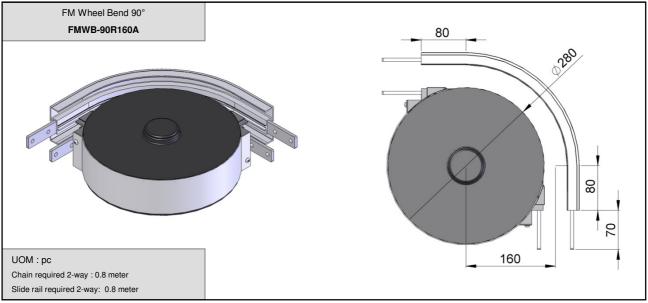


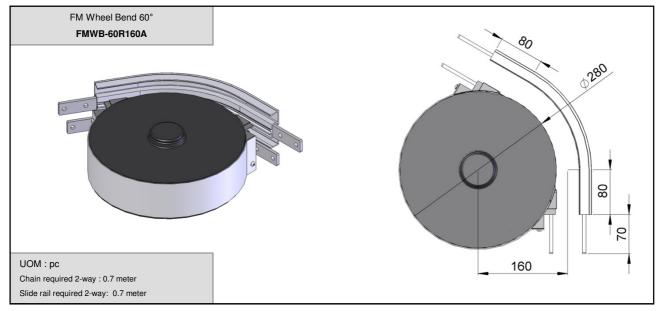




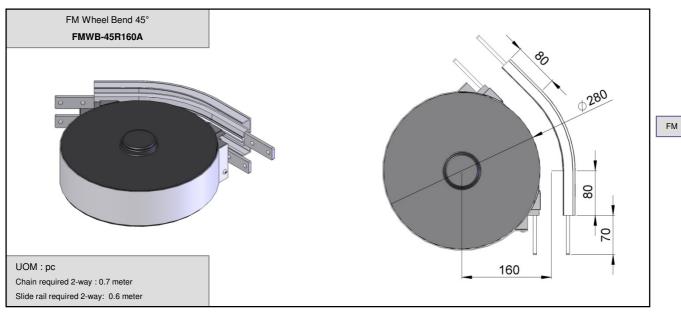


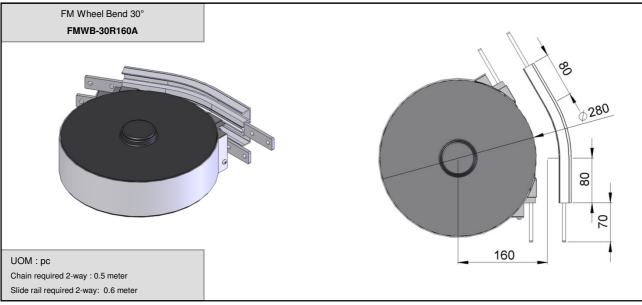


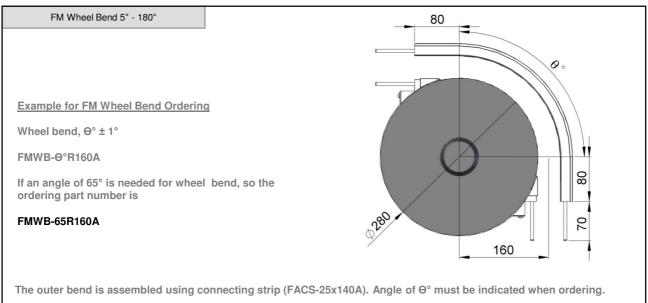






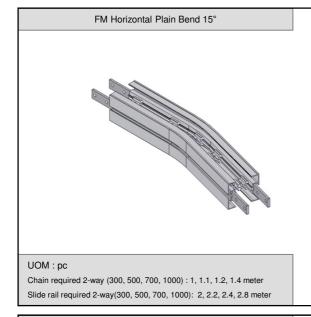


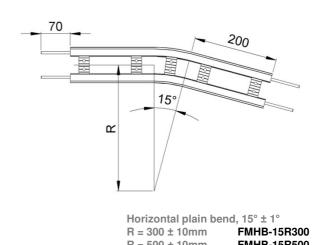






Connecting Possibilities



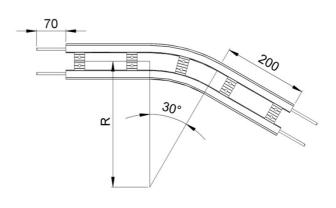


R = 300 ± 10mm R = 500 ± 10mm R = 700 ± 10mm R = 1000 ± 10mm FMHB-15R700 FMHB-15R1000

#### FM Horizontal Plain Bend 30°

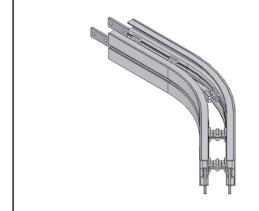


UOM: pc
Chain required 2-way (300, 500, 700, 1000): 1.2, 1.4, 1.6, 1.9 meter
Slide rail required 2-way(300, 500, 700, 1000): 2.4, 2.8, 3.2, 3.8 meter



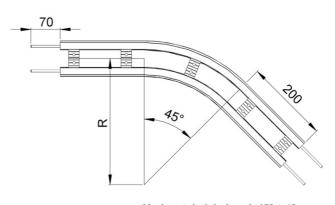
Horizontal plain bend, 30° ± 1°
R = 300 ± 10mm FMHB-30R300
R = 500 ± 10mm FMHB-30R500
R = 700 ± 10mm FMHB-30R700
R = 1000 ± 10mm FMHB-30R1000

### FM Horizontal Plain Bend 45°



UOM: pc

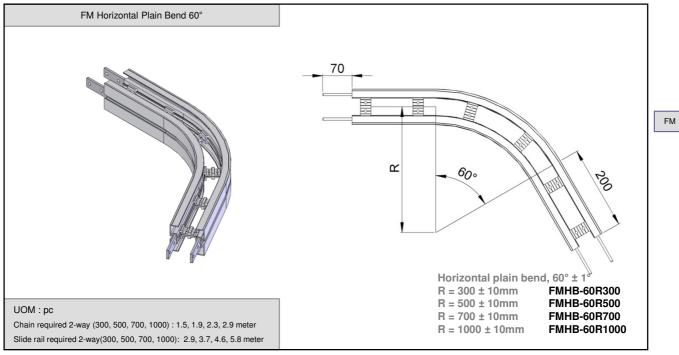
Chain required 2-way (300, 500, 700, 1000) : 1.3, 1.6, 1.9, 2.4 meter Slide rail required 2-way(300, 500, 700, 1000): 2.5, 2.9, 3.3, 3.9 meter

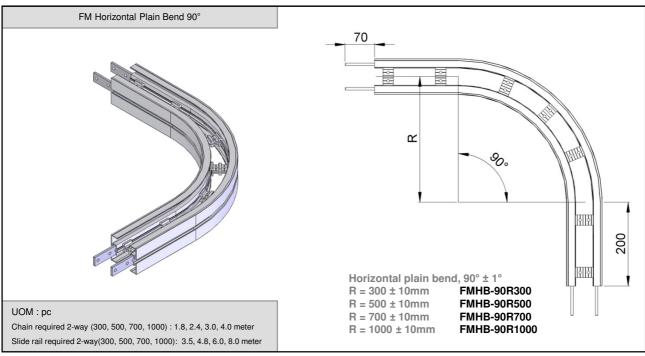


Horizontal plain bend, 45° ± 1°

R = 300 ± 10mm R = 500 ± 10mm R = 700 ± 10mm R = 1000 ± 10mm R = 1000 ± 10mm FMHB-45R700 FMHB-45R1000

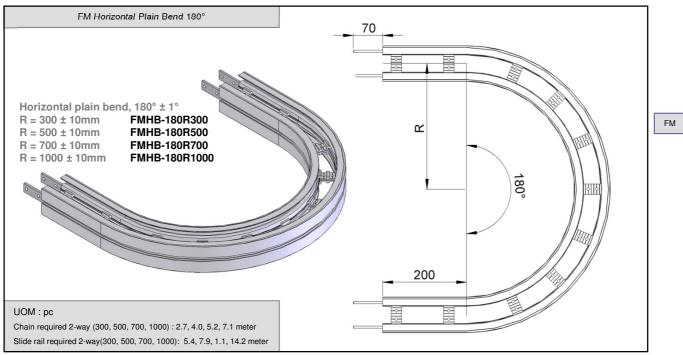


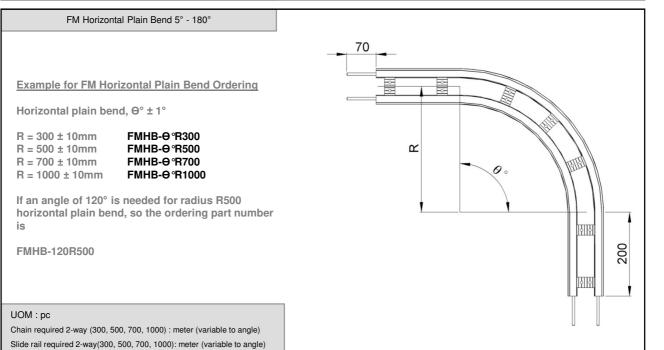




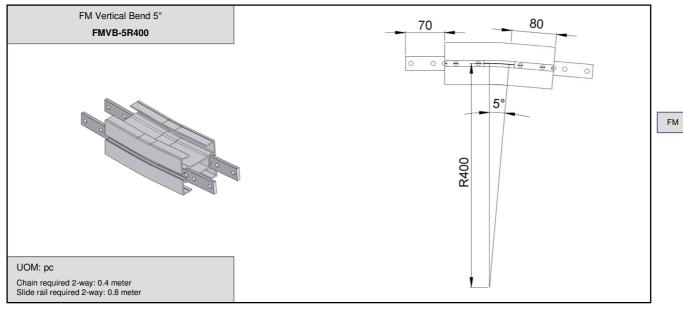
10.1 6-17

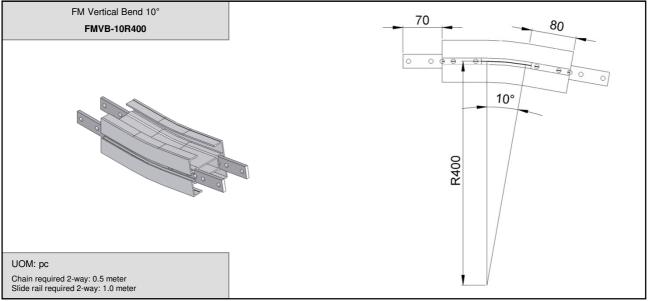


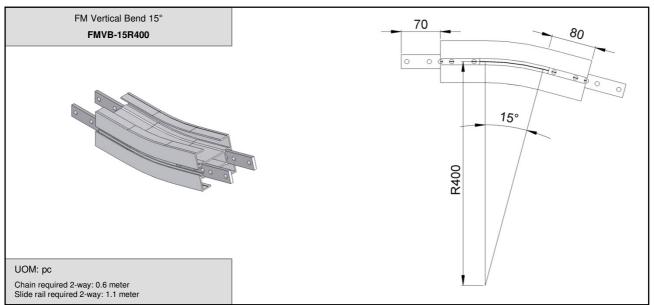




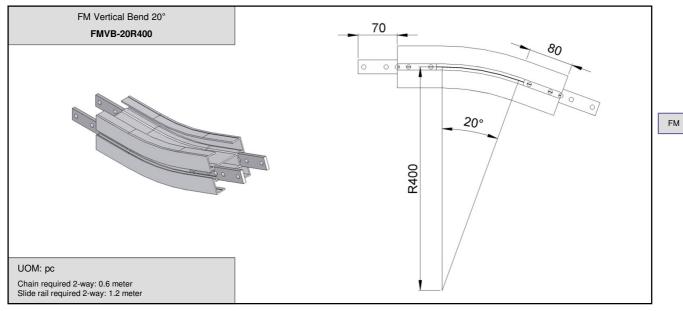


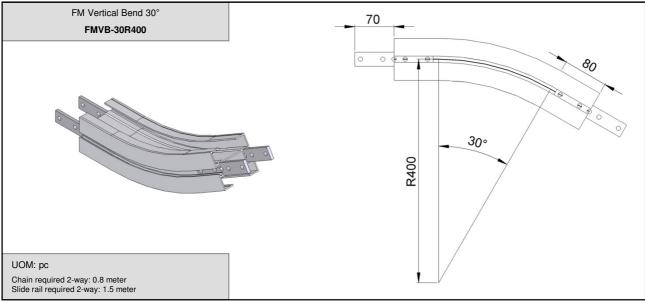


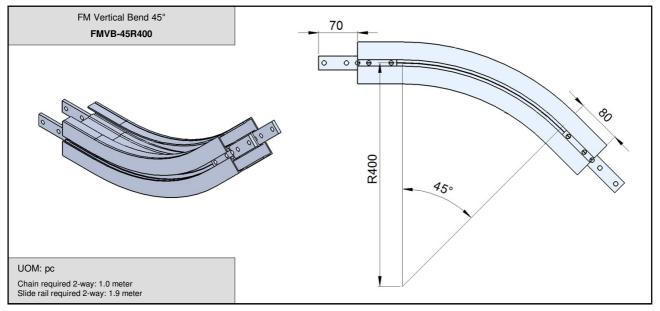




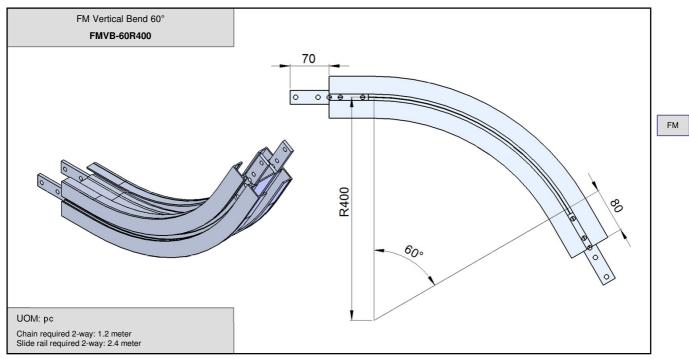


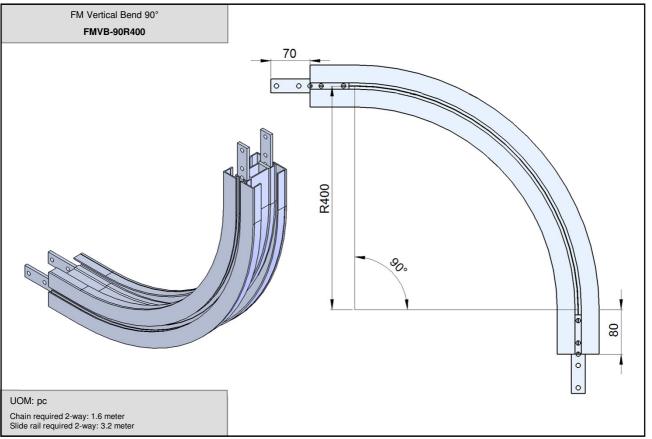














Example for FM Vertical Bend Ordering

Vertical bend,  $\Theta^{\circ} \pm 1^{\circ}$ FMVB- $\Theta^{\circ}$ 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 " $\Theta^{\circ}$ " must be indicated when ordering.