FlexMove®

Connecting Possibilities™

Variety of chain type suitable for wide range of applications either horizontal or vertically 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: 105mm
Product Width: Refer to Guide Rail Assembly

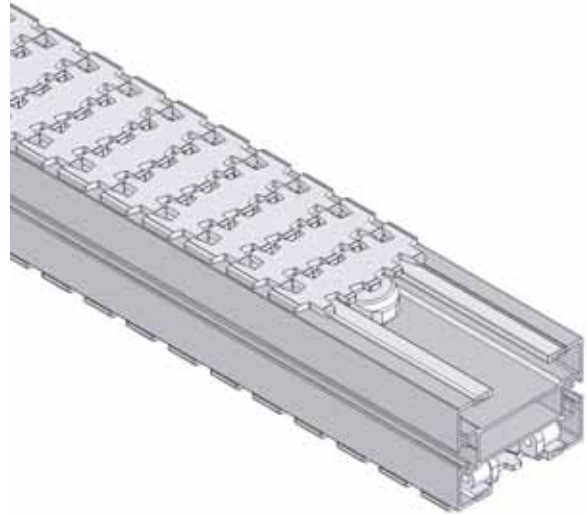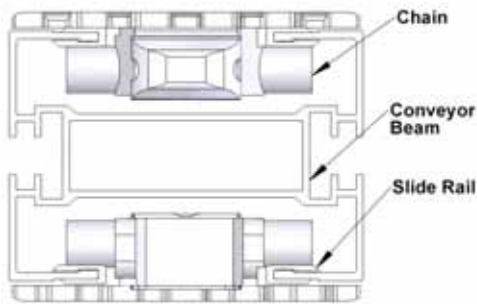Accessories Needed
Slide Rail Required: FASR-25 OR FASR-25U
Slide Rail Colour: WHITE OR NATURAL COLOUR
Slide Rail Material: HDPE OR UHMW

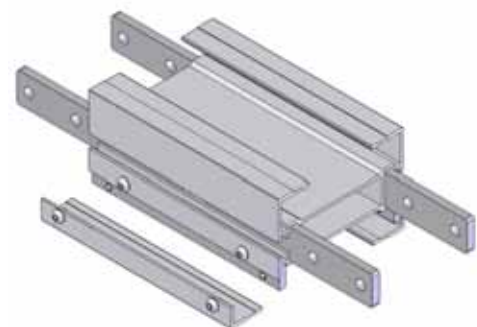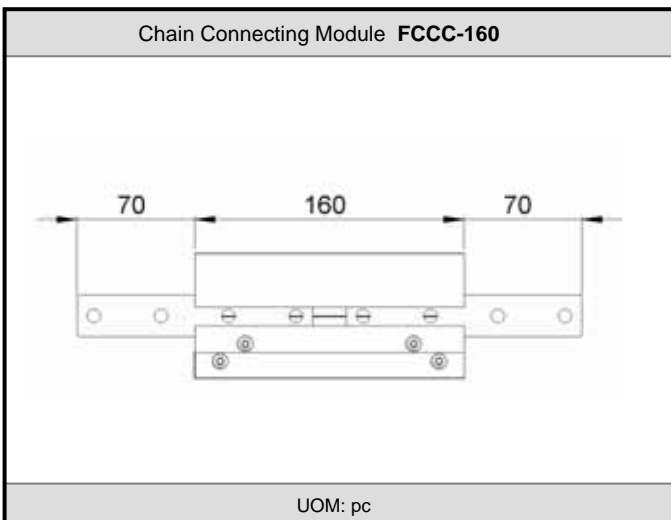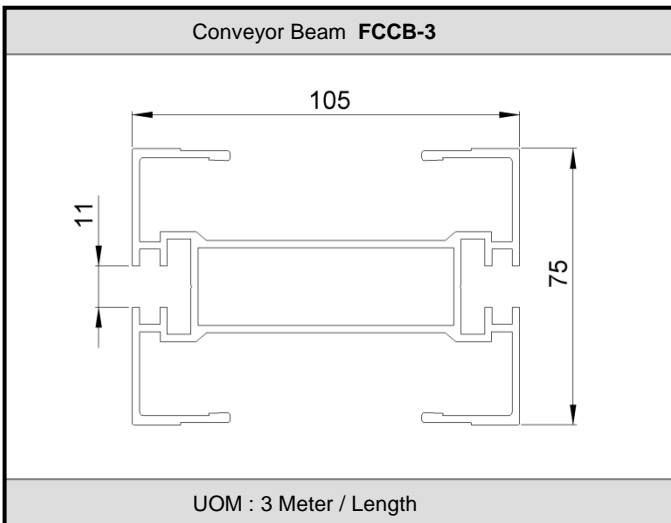Slide Rail Rivet & Screw: FASLR-4X6 or FASLS-M5

Connecting strip is used to connect 2 beams.
Connecting Strip: FACS-25x140A

FC

Chain
Conveyor Beam
Slide Rail

Conveyor Beam **FCCB-3**
UOM : 3 Meter / Length

Chain Connecting Module **FCCC-160**
UOM: pc

FlexMove
Connecting Possibilities™

Chain Common Data

Packaging: 5m per box
Pitch: 35.5mm
Width: 105mm
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
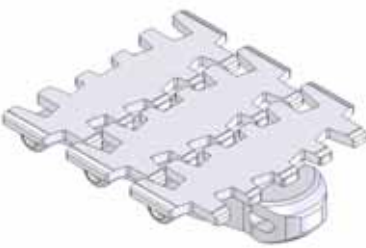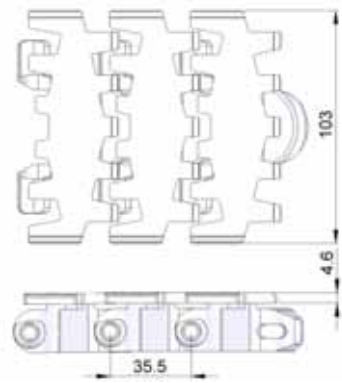
Example for FCCT-5A17-L#
 # = 1 cleated top chain with alternate of # link of plain chain
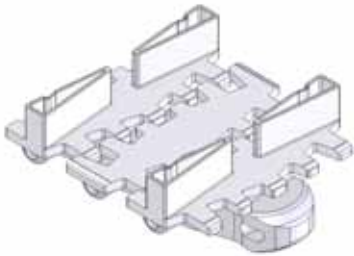
The above chain is FCCT-5A17-L1, 1 link cleated top chain with alternate of 1 link of plain chain.
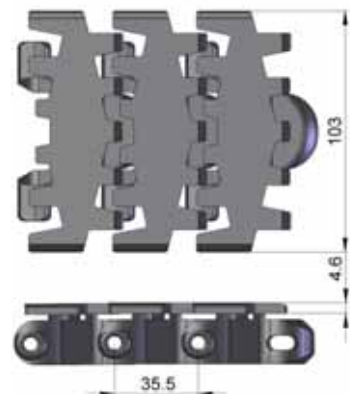
Note: # = 1, 2, 3, 4, 5…..20

FC

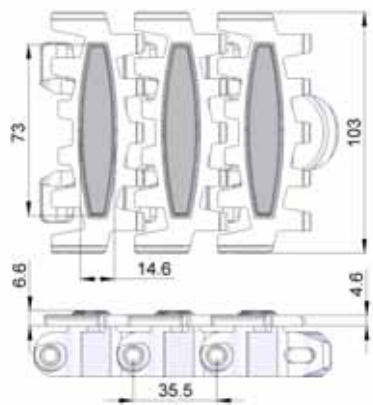| Standard Plain Chain **FCPC-5** |
|---|
| 103   4.6   35.5 |
| UOM: 5 Meter / box |
| Application: Suitable for horizontal and slope < 5° transport of products with accumulation. |

Conductive Chain **FCPC-5CD**
103   4.6   35.5
UOM: 5 Meter / box
Application: Suitable for transport of static sensitive product..
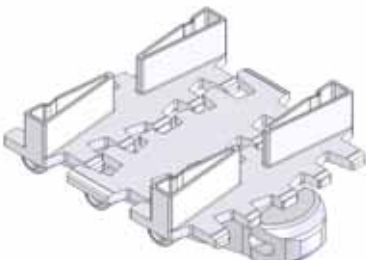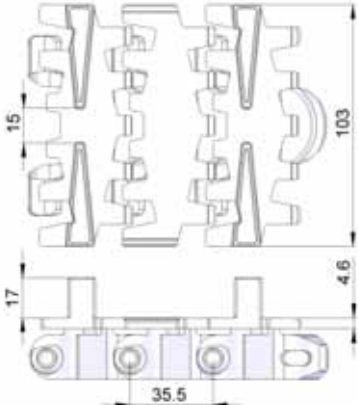
Friction Top Chain **FCFT-5**
73   103   6.8   14.6   4.6   35.5
UOM: 5 Meter / box
Application: Suitable for transport product in slope > 5 ° but <= 30 ° without accumulation.

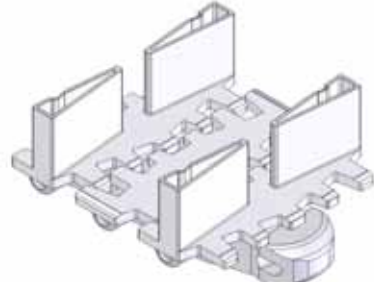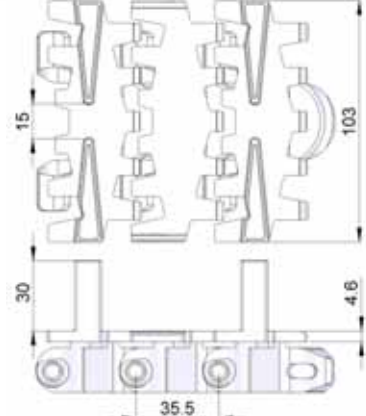| Cleat Top Chain **FCCT-5A17-L#** |
|---|
| **# = 1, 2, 3, 4, 5…..20** |
| 15   103   17   4.6   35.5 |
| UOM: 5 Meter / box |
| Application: Suitable for vertical transport of product with no accumulation. |

Cleat Top Chain **FCCT-5A30-L#**
 # = 1, 2, 3, 4, 5…..20
15   103   30   4.6   35.5
UOM: 5 Meter / box
Application: Suitable for vertical transport of product with no accumulation.

10.1

Roller Top Chain **FCRT-5**	Roller Cleat Chain **FCRC-5A-L#**	Roller Cleat Chain **FCRC-5B-L#**
	# = 1, 2, 3, 4, 5..20	# = 1, 2, 3, 4, 5..20

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

Magnet Top Chain **FCMT-5**	Magnet Top Chain **FCMT-5-L#**	Friction Top Chain **FCFT-5A**
	# = 1, 2, 3, 4, 5..20	NEW
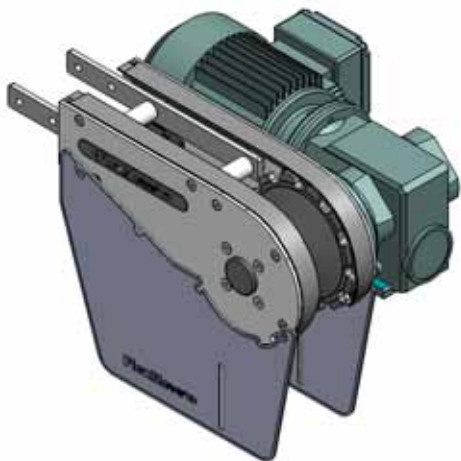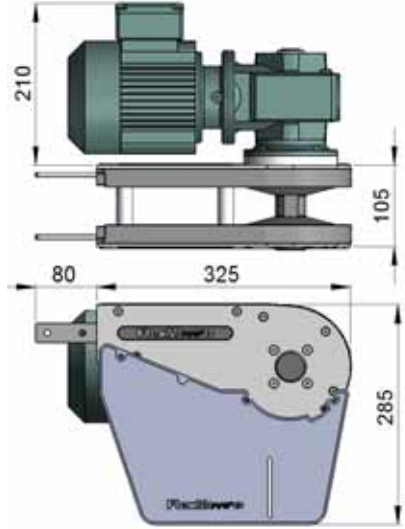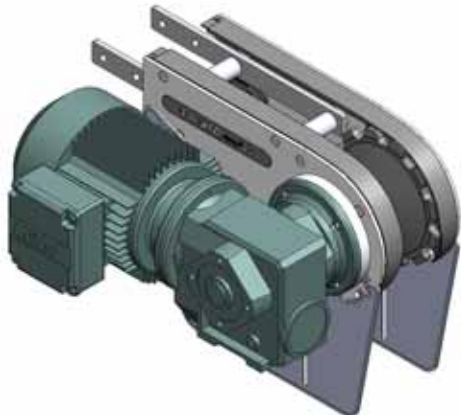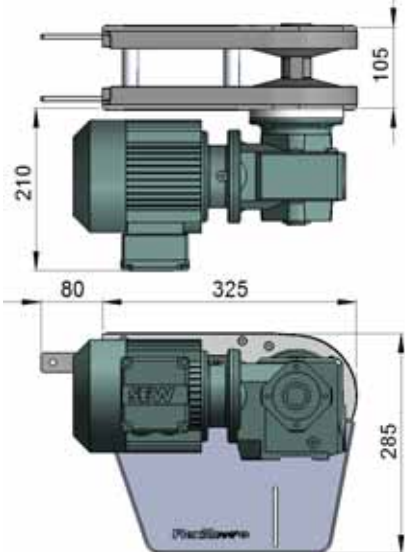
UOM: 5 Meter / box	UOM: 5 Meter / box	UOM: 5 Meter / box
Application: Suitable for conveying of ferromagnetic products in slope.	Application: Suitable for conveying of ferromagnetic products in slope.	Application: Suitable for transport product in slope > 5 ° but <= 30 ° without accumulation.

FlexMove

Connecting Possibilities

FC Direct End Drive with Motor (LEFT)	FC Direct End Drive without Motor (LEFT)
FCDD105-0.25L1, 0.37L1, 0.55L1	**FCDD105-0L1**

FC

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. FCDD105-0L1 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

FC Direct End Drive with Motor (RIGHT)	FC Direct End Drive without Motor (RIGHT)
FCDD105-0.25R1, 0.37R1, 0.55R1	**FCDD105-0R1**

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. FCDD105-0R1 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

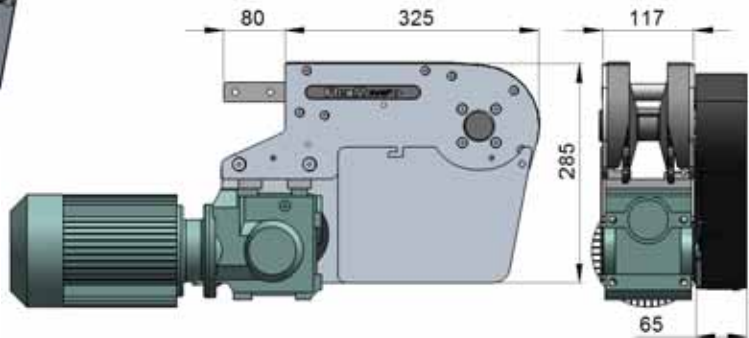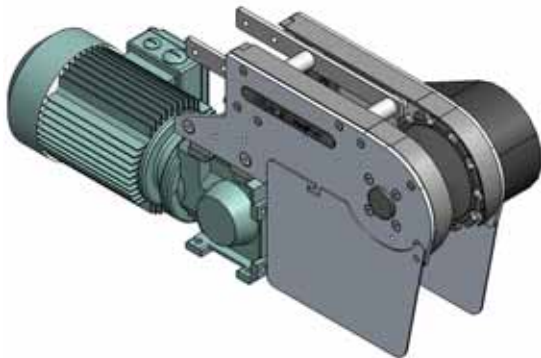SEW gear motors are products of SEW Eurodrive.

FC Suspended End Drive with Motor (LEFT)		FC Suspended End Drive without Motor (LEFT)
FCSD-0.25L1, 0.37L1, 0.55L1	NEW	**FCSD-0L1**

FC

80   325   117

285

65

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. FCSD-0L represents suspended drive without gear motor.
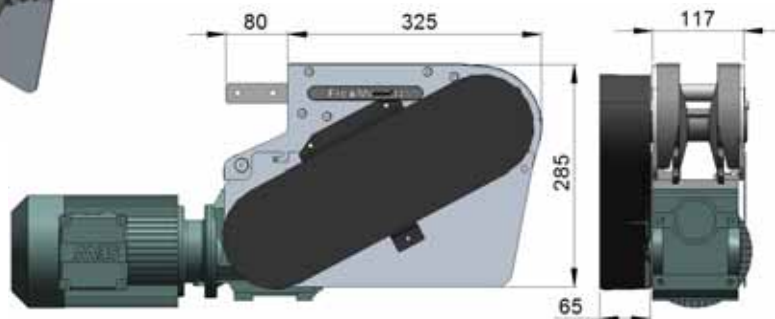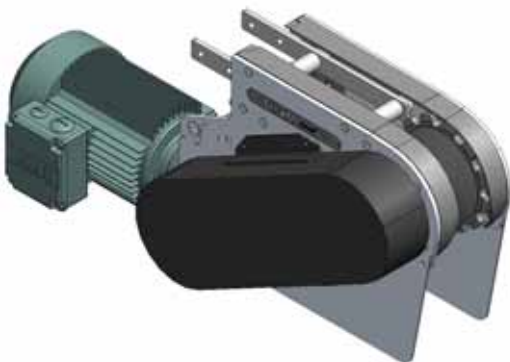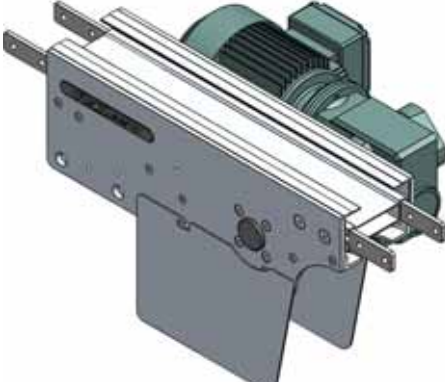
UOM : pc

Chain required 2-way : 0.8 meter

Slide rail required 2-way: 0.5 meter

FC Suspended End Drive with Motor (RIGHT)		FC Suspended End Drive without Motor (RIGHT)
FCSD-0.25R1, 0.37R1, 0.55R1	NEW	**FCSD-0R1**

80   325   117

285

65

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. FCSD-0R represents direct drive without gear motor.
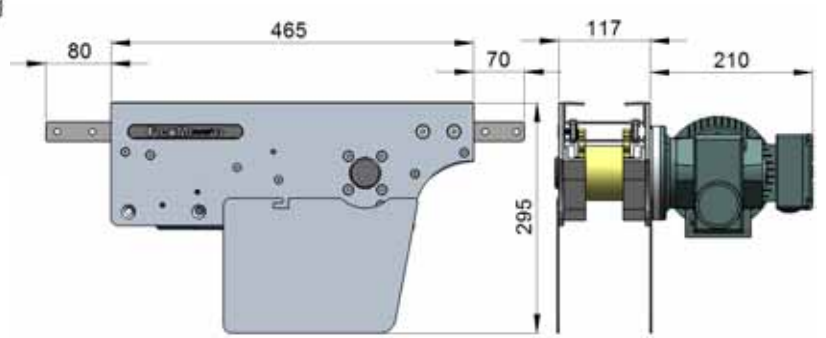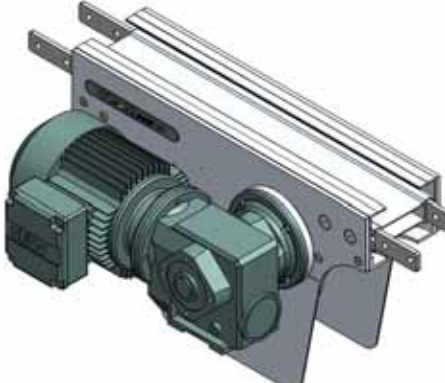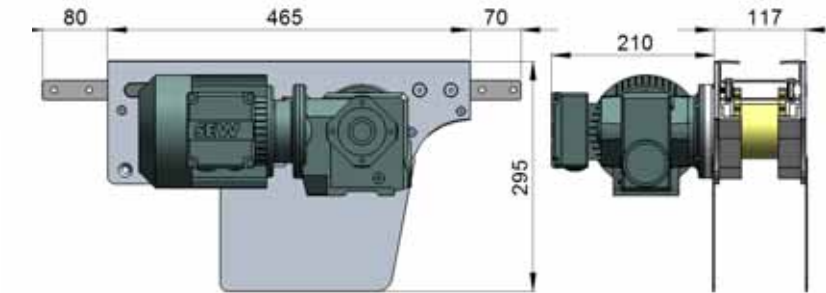
UOM : pc

Chain required 2-way : 0.8 meter

Slide rail required 2-way: 0.5 meter

SEW gear motors are products of SEW Eurodrive.

FC

FC Direct Intermediate Drive with Motor (LEFT)	FC Direct Intermediate Drive without Motor (LEFT)
FCID-DD-0.25L1, 0.37L1, 0.55L1	**FCID-DD-0L1**

Max Traction Force : 200N

The Direct Intermediate Drive Unit is without torque limiter. Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FCID-DD-0L represents direct drive without gear motor. Maximum traction force for FCID-DD is lower than FCDD and FCSD.

UOM : pc

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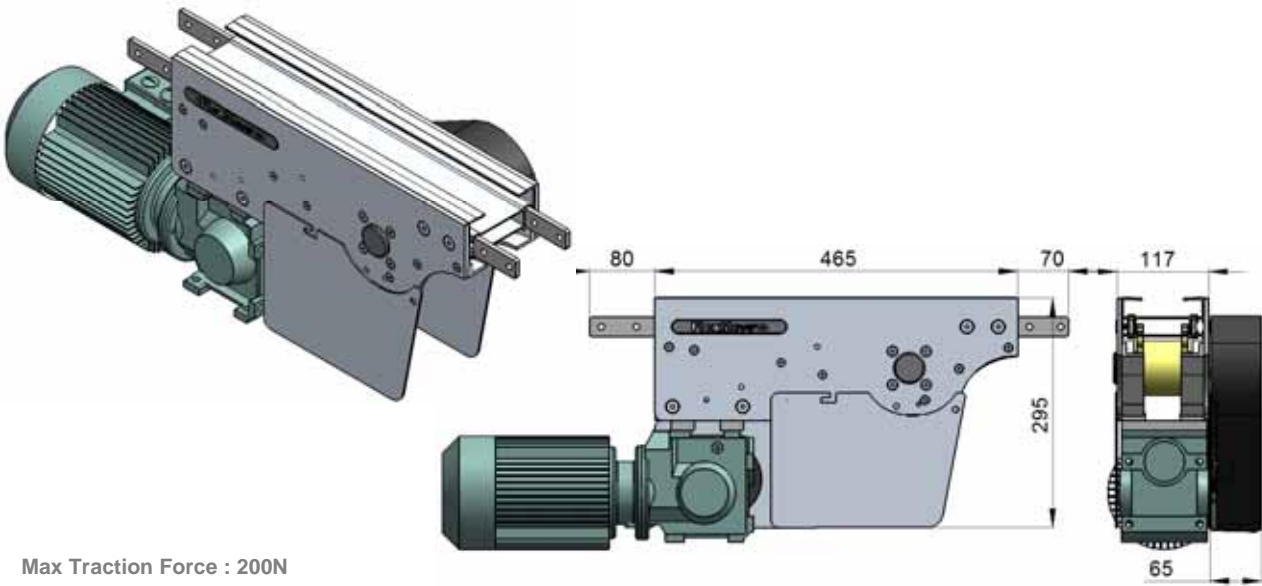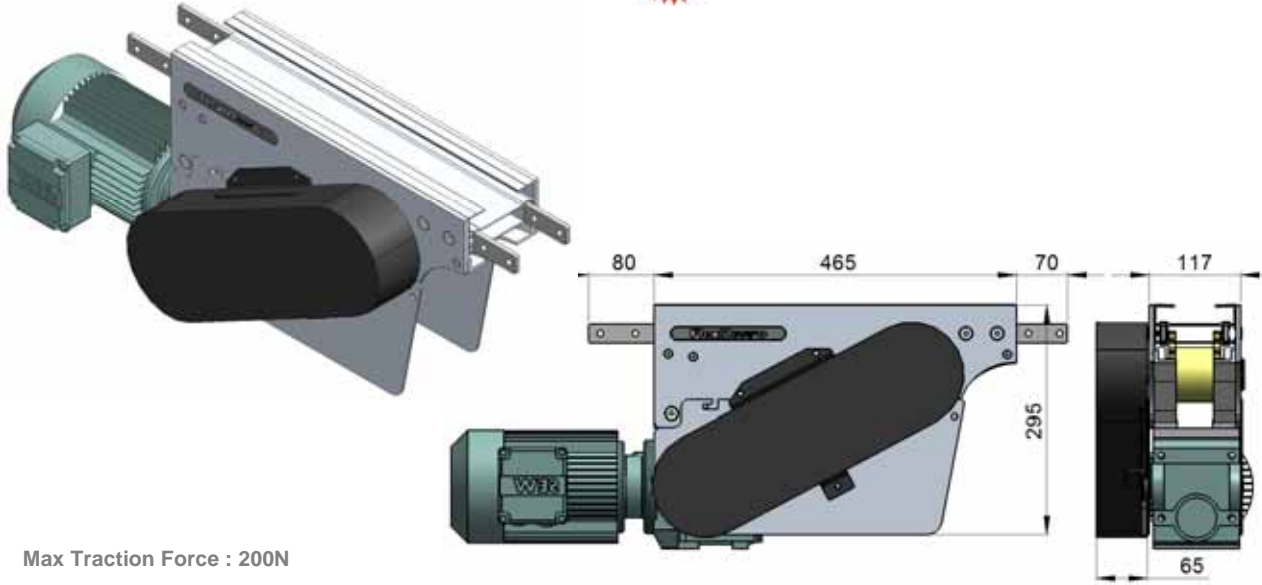
Slide rail required 2-way: 0.5 meter

FC Direct Intermediate Drive with Motor (RIGHT)	FC Direct Intermediate Drive without Motor (RIGHT)
FCID-DD-0.25R1, 0.37R1, 0.55R1	**FCID-DD-0R1**

Max Traction Force : 200N

The Direct Intermediate Drive Unit is without torque limiter. Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FCID-DD-0L represents direct drive without gear motor. Maximum traction force for FCID-DD is lower than FCDD and FCSD.

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.

FC Suspended Intermediate Drive with Motor (LEFT) **FCID-SD-0.25L1, 0.37L1, 0.55L1**	FC Suspended Intermediate Drive without Motor (LEFT) **FCID-SD-0L1**

FC

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. FCID-SD-0L represents suspended drive without gear motor. Maximum traction force for FCID-SD is lower than FCDD and FCSD.

UOM : pc

Chain required 2-way : 0.8 meter

Slide rail required 2-way: 0.5 meter

FC Suspended Intermediate Drive with Motor (RIGHT) **FCID-SD-0.25R1, 0.37R1, 0.55R1**	FC Suspended Intermediate Drive without Motor (RIGHT) **FCID-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. FCID-SD-0R represents suspended drive without gear motor. Maximum traction force for FCID-SD is lower than FCDD and FCSD.

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.

FC Suspended Catenary Drive with Motor (LEFT) **FCCD-SD-0.25L, 0.37L, 0.55L**	FC Suspended Catenary Drive without Motor (LEFT) **FCID-SD-0L**
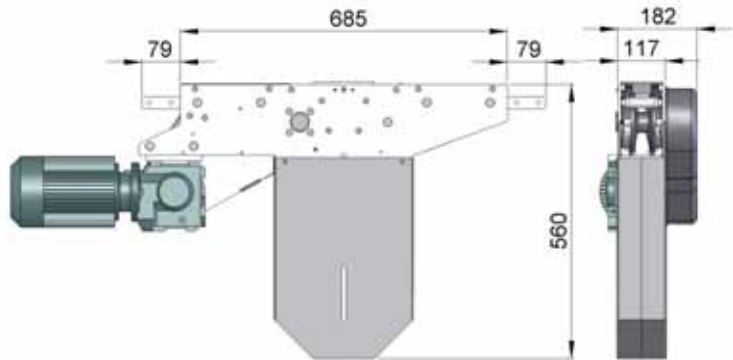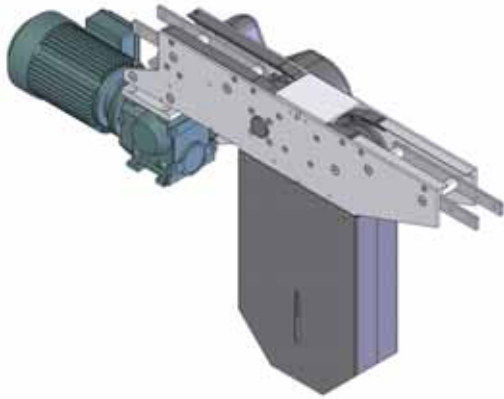
FC
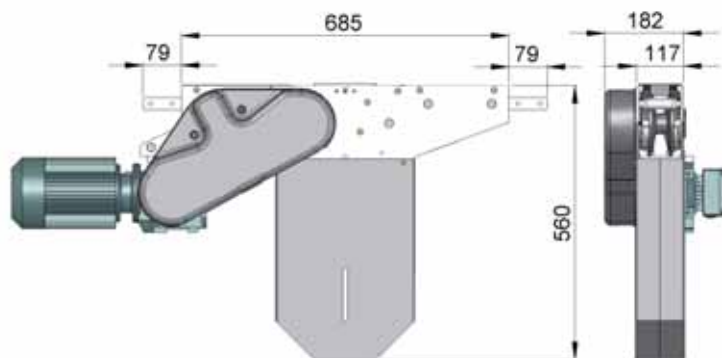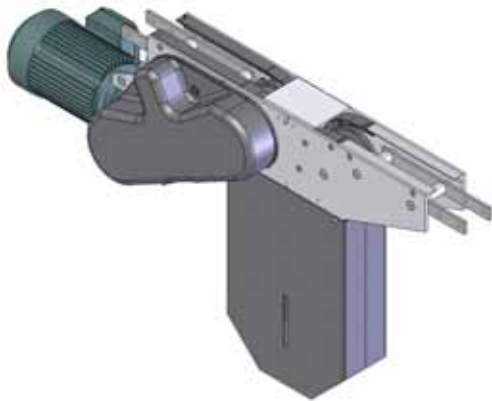

685   182
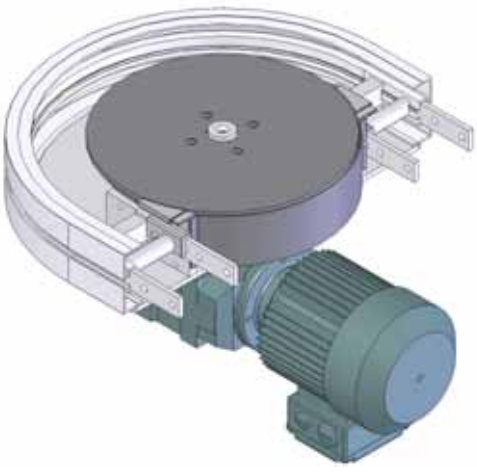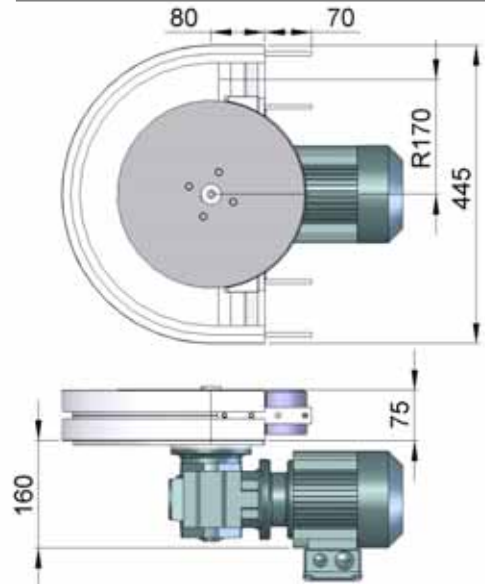79   79   117
560

Max Traction Force : 1250N

The Suspended Catenary Drive Unit is with torque limiter. Standard attached gear motors are with SEW motor size 0.25kW, 0.37kW & 0.55kW. FCCD-SD-0L represents suspended drive without gear motor.
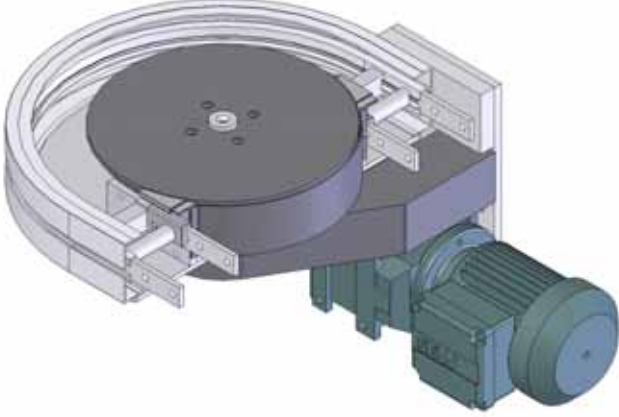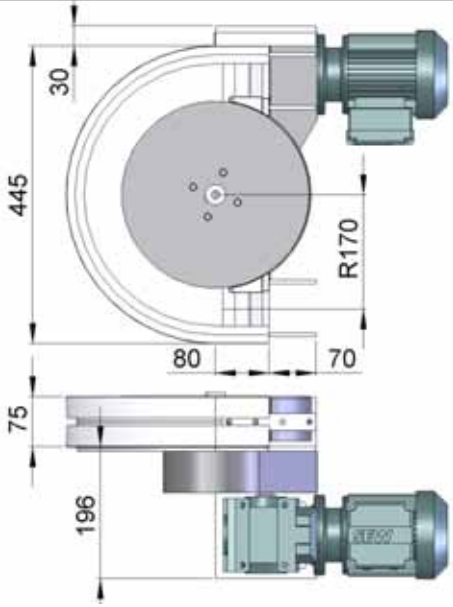
UOM : pc

Chain required 1-way : 1.4 meter

Slide rail required 1-way: 1.0 meter

FC Suspended Catenary Drive with Motor (RIGHT) **FCCD-SD-0.25R, 0.37R, 0.55R**	FC Suspended Catenary Drive without Motor (RIGHT) **FCID-SD-0R**

685   182
79   79   117
560

Max Traction Force : 1250N

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

UOM : pc

Chain required 1-way : 1.4 meter

Slide rail required 1-way: 1.0 meter

SEW gear motors are products of SEW Eurodrive.

FC

FC Direct Wheel Drive with Motor	FC Direct Wheel Drive without Motor
FCWD-0.25, 0.37, 0.55	**FCWD-DD-0M**

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. FCWD-DD represents wheel drive without gear motor. Maximum traction force for FCWD-DD is lower than FCDD and FCSD.

UOM : SET

Chain required 1-way : 0.7 meter

Slide rail required 1-way: 0.7 meter

FC Suspended Wheel Drive with Motor	FC Suspended Wheel Drive without Motor
FCWD-SD-0.25, 0.37, 0.55	**FCWD-SD-0M**

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. FCWD-SD represents wheel drive without motor. Maximum traction force for FCWD-SD is lower than FCDD and FCSD.

UOM : SET

Chain required 1-way : 0.7 meter

Slide rail required 1-way: 0.7 meter
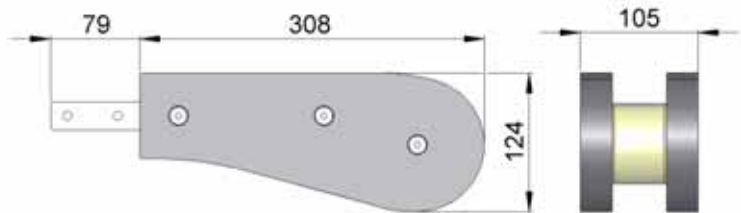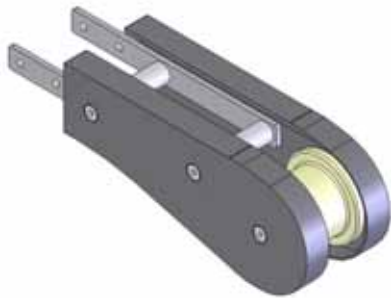
SEW gear motors are products of SEW Eurodrive.

FlexMove
Connecting Possibilities

FC

FC Idler End-325
FCIE-325

NEW

UOM : pc

Chain required 2-way : 0.8 meter

Slide rail required 2-way: 0.5 meter

80   325   105

157
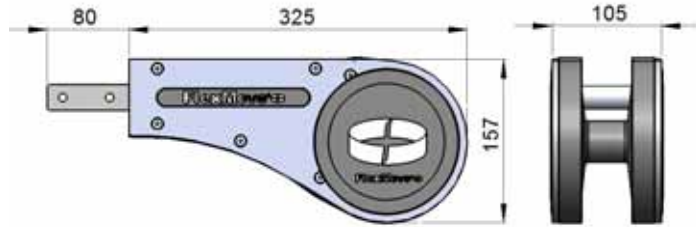
FC Idler End-308
FCIE-308

UOM : pc

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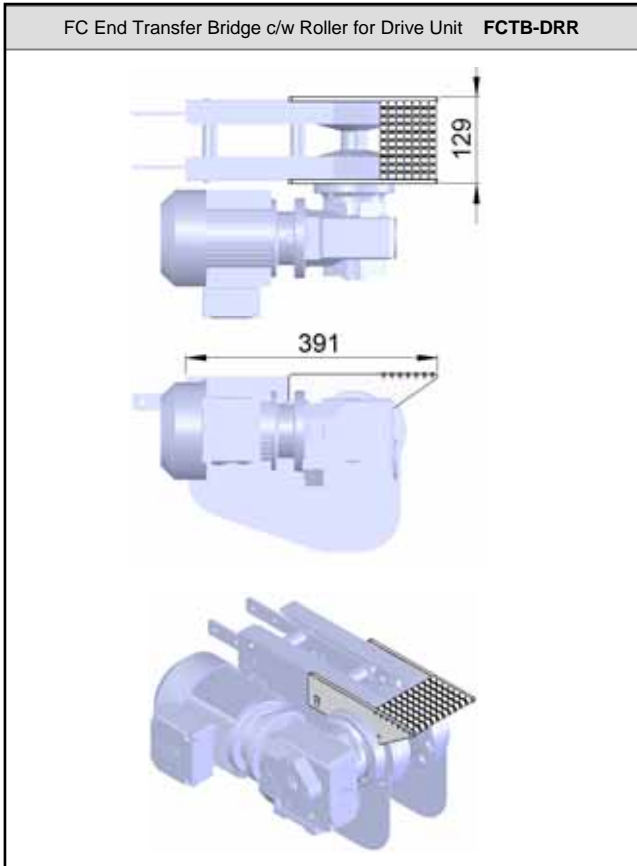
Slide rail required 2-way: 0

79   308   105

124

FC Idler Bend
FCIB-350
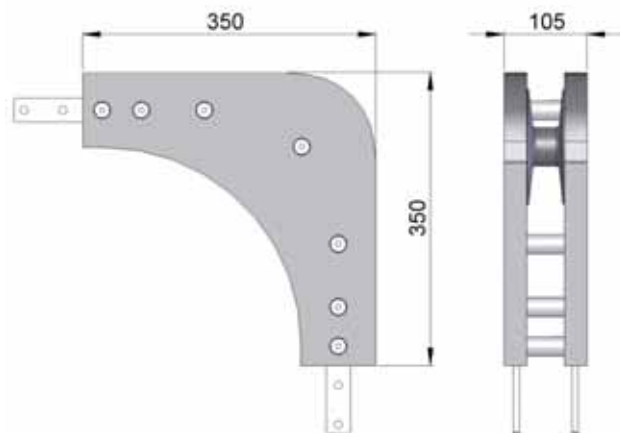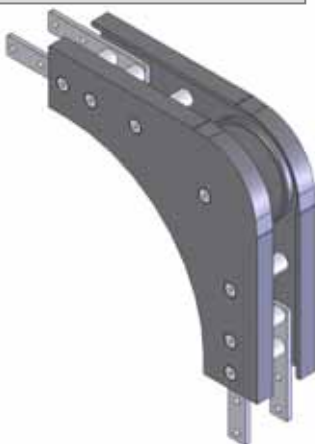
UOM : pc

Chain required 2-way : 1.6 meter

Slide rail required 2-way: 0

350   105

350

10.8

FC End Transfer Bridge c/w Roller for Drive Unit **FCTB-DRR**

129

391

FC

FC End Transfer Bridge w/o Roller for Drive Unit **FCTB-DR**

129

391

FC End Transfer Bridge c/w Roller for Idler Unit **FCTB-IER**

117

391

FC End Transfer Bridge w/o Roller for Idler Unit **FCTB-IE**

117

391
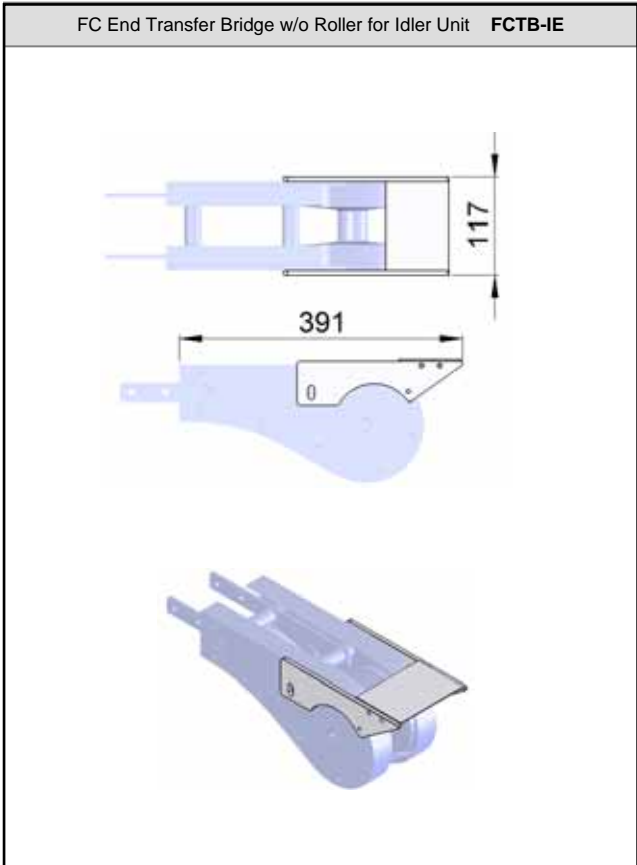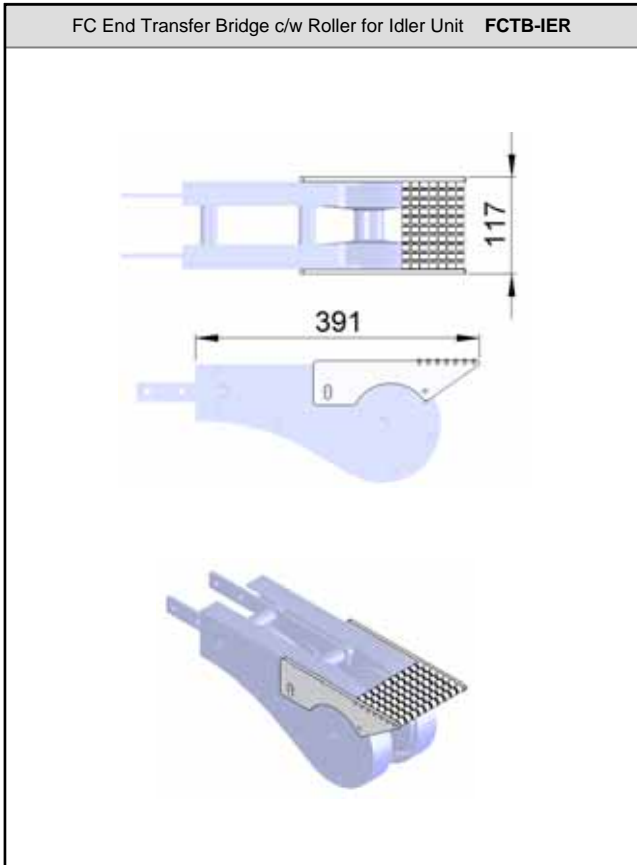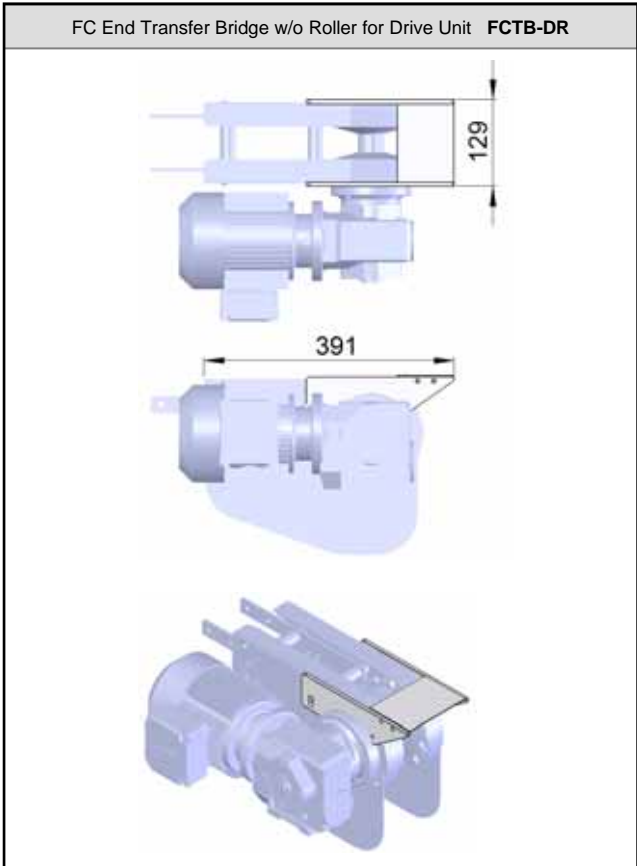
FlexMove®
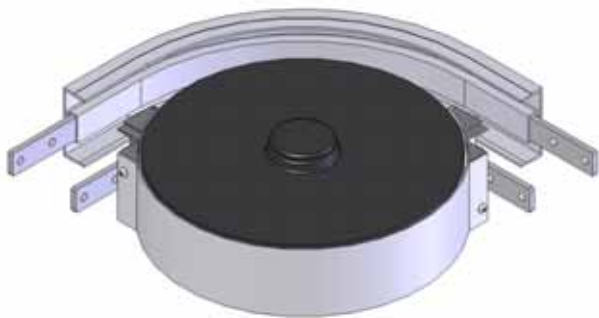Connecting Possibilities™

FC

FC Wheel Bend 180°
FCWB-180R170A

Ø278

80

80

70

170
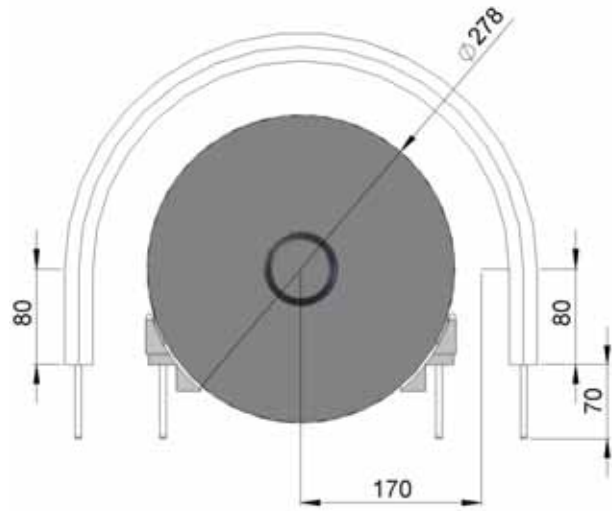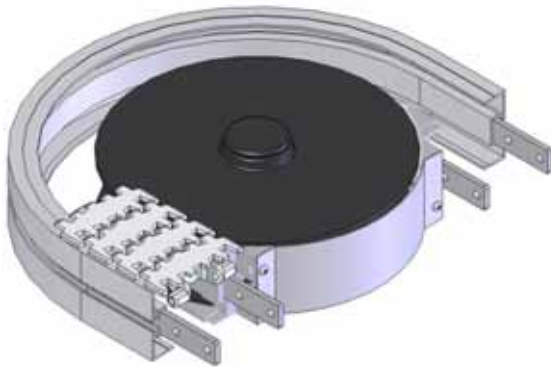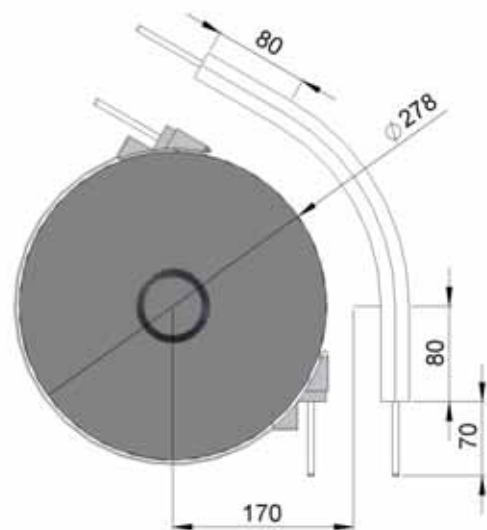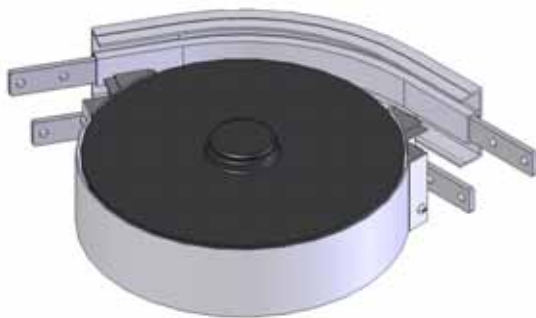
UOM : pc

Chain required 2-way : 1.4 meter

Slide rail required 2-way: 2.8 meter

FC Wheel Bend 90°
FCWB-90R170A

80

Ø278

80

70

170
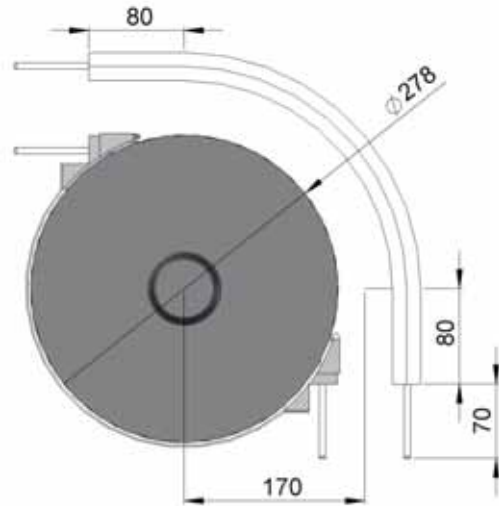
UOM : pc

Chain required 2-way : 0.9 meter

Slide rail required 2-way: 1.7 meter

FC Wheel Bend 60°
FCWB-60R170A

80

Ø278

80

70

170

UOM : pc

Chain required 2-way : 0.7 meter

Slide rail required 2-way: 1.4 meter

10.1

FC Wheel Bend 45°
FCWB-45R170A

UOM : pc

Chain required 2-way : 0.6 meter

Slide rail required 2-way: 1.2 meter

FC Wheel Bend 30°
FCWB-30R170A
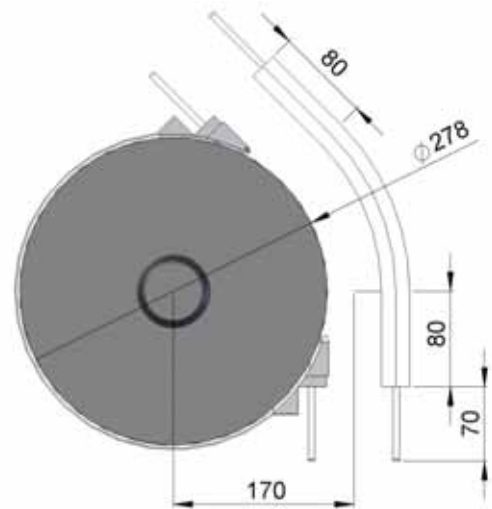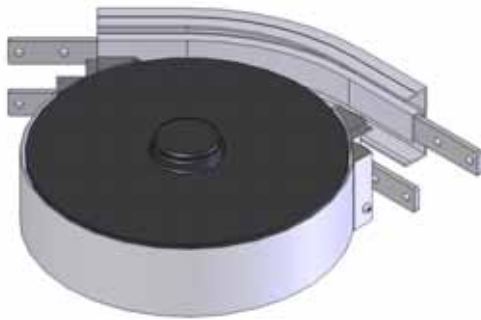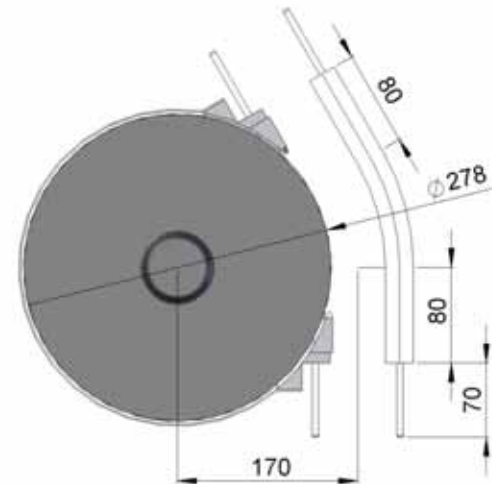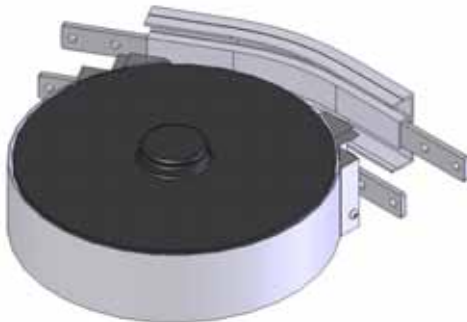

UOM : pc

Chain required 2-way : 0.5 meter

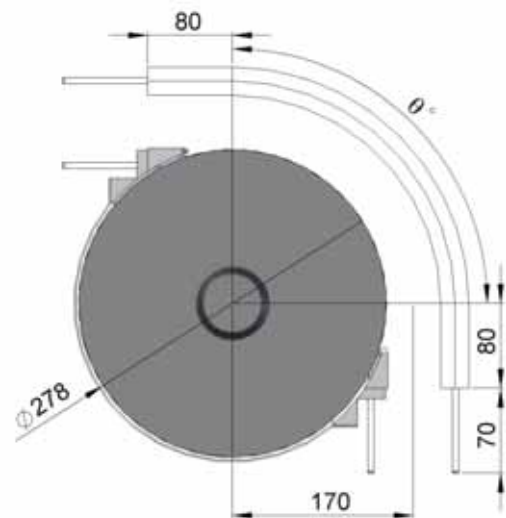Slide rail required 2-way: 1.0 meter

FC Wheel Bend 5° - 180°

Example for FC Wheel Bend Ordering

Wheel bend, Ө° ± 1°

FCWB-Ө°R170A

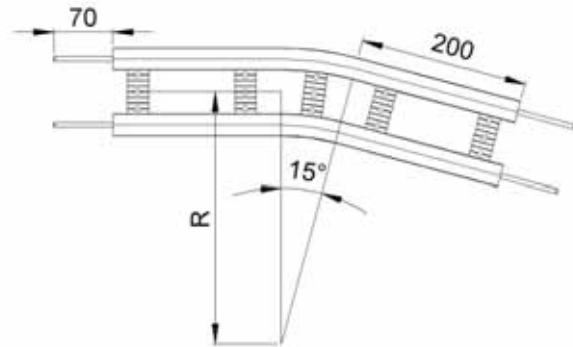**If an angle of 65° is needed for wheel bend, so the ordering part number is**

FCWB-65R170A

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

FC

FC

FC Horizontal Plain Bend 15°

70

200

15°

R

Horizontal plain bend, 15° ± 1°
R = 300 ± 10mm   **FCHB-15R300**
R = 500 ± 10mm   **FCHB-15R500**
R = 700 ± 10mm   **FCHB-15R700**
R = 1000 ± 10mm   **FCHB-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
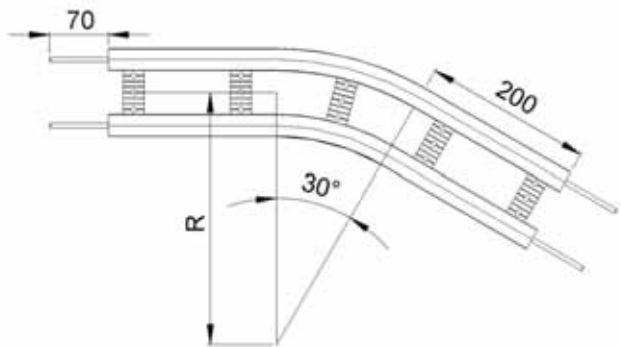

FC Horizontal Plain Bend 30°

70

200

30°

R

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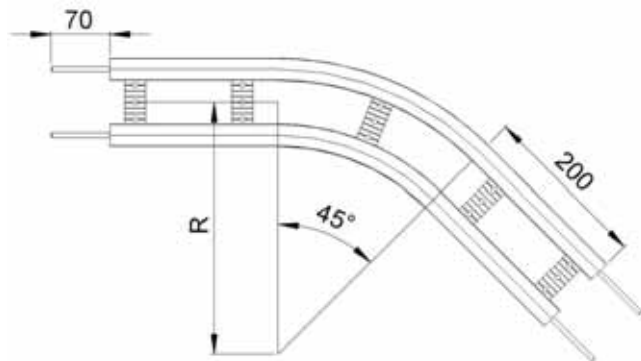

FC Horizontal Plain Bend 45°

70

200

45°

R

Horizontal plain bend, 45° ± 1°
R = 300 ± 10mm   **FCHB-45R300**
R = 500 ± 10mm   **FCHB-45R500**
R = 700 ± 10mm   **FCHB-45R700**
R = 1000 ± 10mm   **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, 2.9, 3.3, 3.9 meter

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FC Horizontal Plain Bend 60°

FC

Horizontal plain bend, 60° ± 1°
R = 300 ± 10mm **FCHB-60R300**
R = 500 ± 10mm **FCHB-60R500**
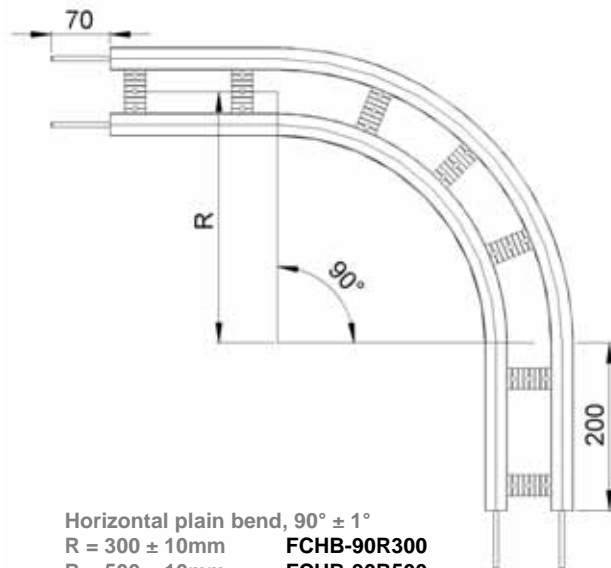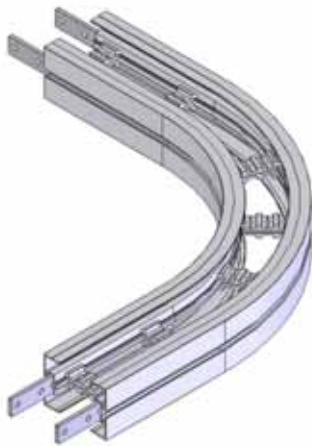R = 700 ± 10mm **FCHB-60R700**
R = 1000 ± 10mm **FCHB-60R1000**
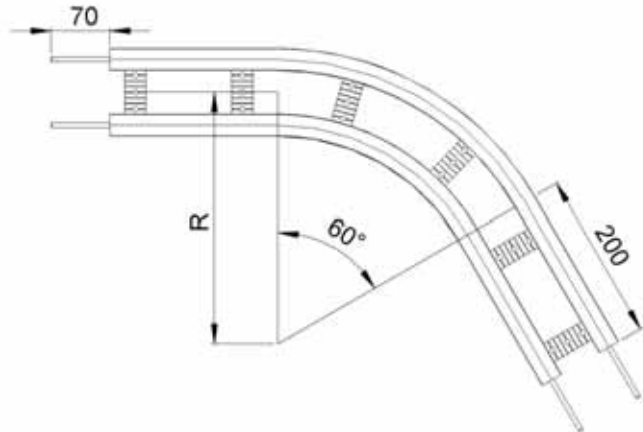
UOM : pc

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

FC Horizontal Plain Bend 90°

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

UOM : pc

Chain required 2-way (300, 500, 700, 1000) : 1.8, 2.4, 3.0, 4.0 meter

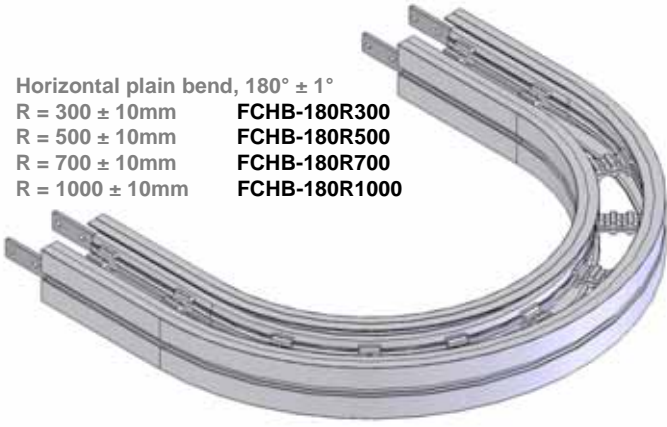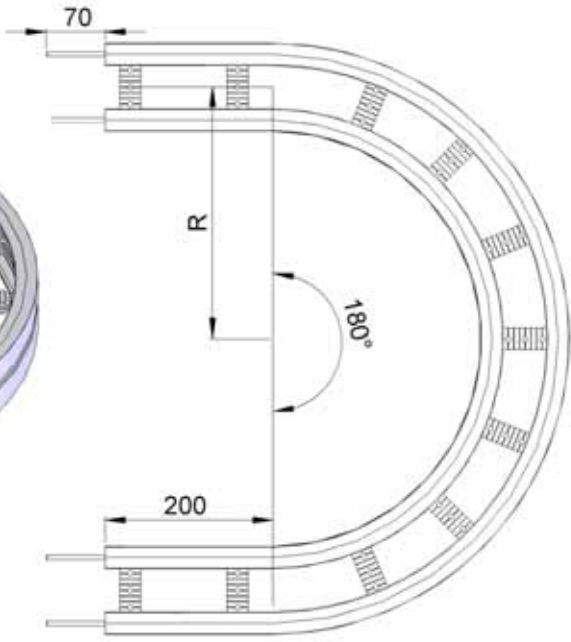Slide rail required 2-way(300, 500, 700, 1000): 3.5, 4.8, 6.0, 8.0 meter

FC

FC Horizontal Plain Bend 180°

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

70

R

180°

200

UOM : pc

Chain required 2-way (300, 500, 700, 1000) : 2.7, 4.0, 5.2, 7.1 meter

Slide rail required 2-way(300, 500, 700, 1000): 5.4, 7.9, 1.1, 14.2 meter
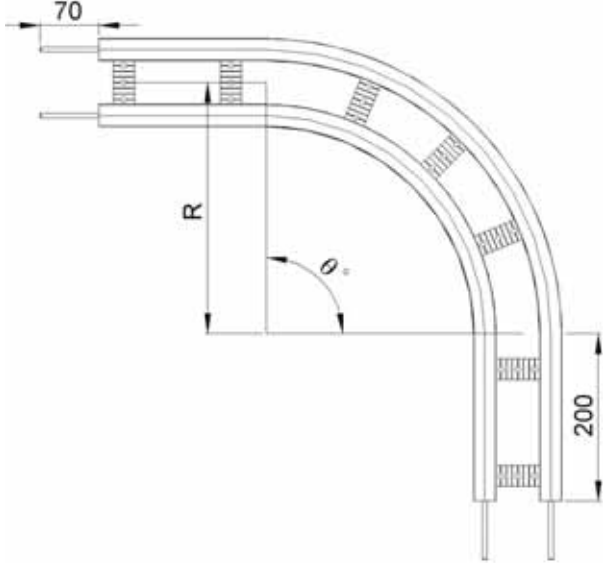
FC Horizontal Plain Bend 5° - 180°

Example for FC Horizontal Plain Bend Ordering

Horizontal plain bend, Θ° ± 1°

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

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

FCHB-120R500

70

R

Θ°

200

UOM : pc

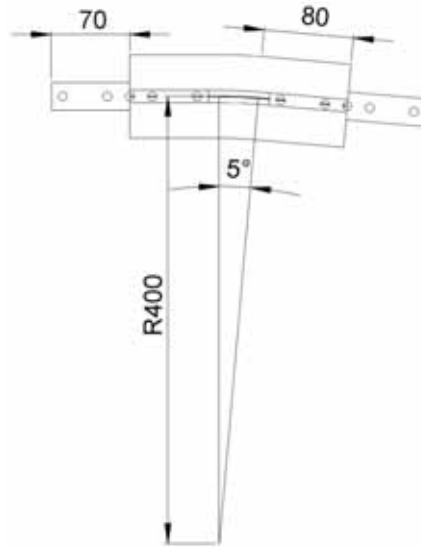Chain required 2-way (300, 500, 700, 1000) : meter (variable to angle)

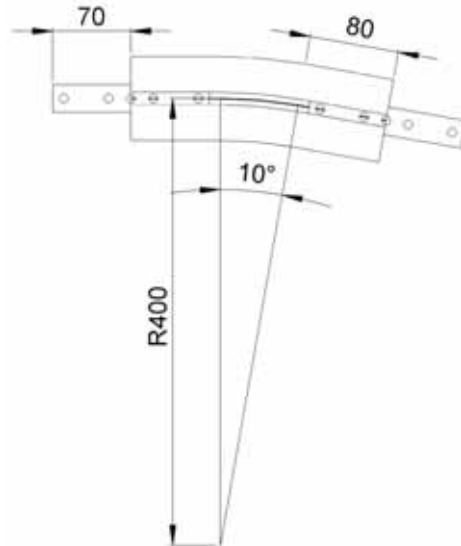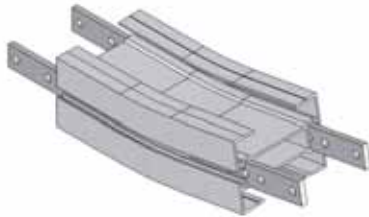Slide rail required 2-way(300, 500, 700, 1000): meter (variable to angle)

10.1

FC

FC Vertical Bend 5°
FCVB-5R400

UOM: pc

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

70   80
5°
R400

FC Vertical Bend 10°
FCVB-10R400

UOM: SET

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

70   80
10°
R400

FC Vertical Bend 15°
FCVB-15R400
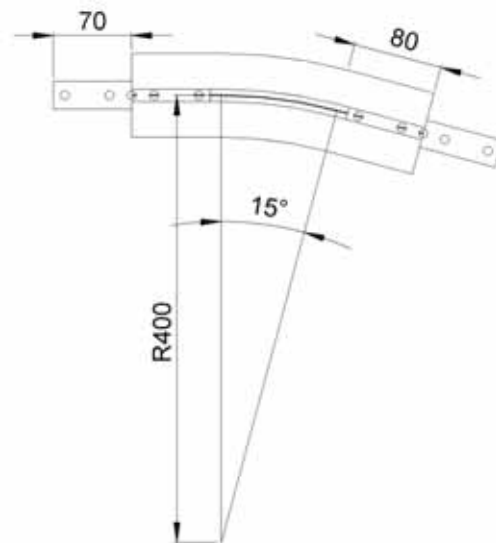
UOM: SET

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

70   80
15°
R400

FC

| 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: SET

Chain required 2-way: 0.8 meter
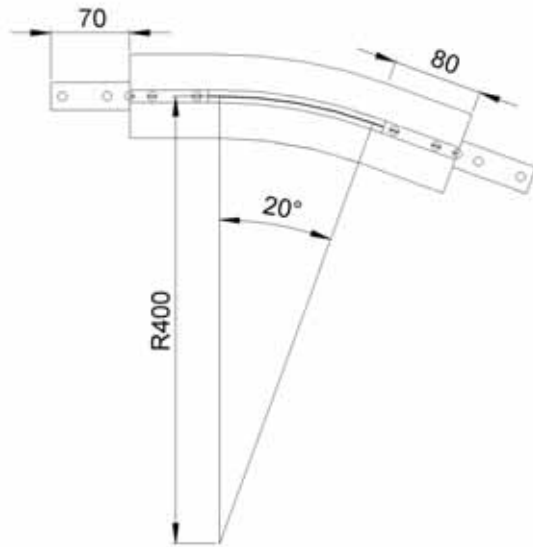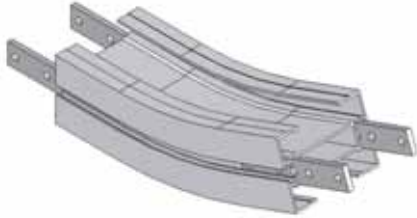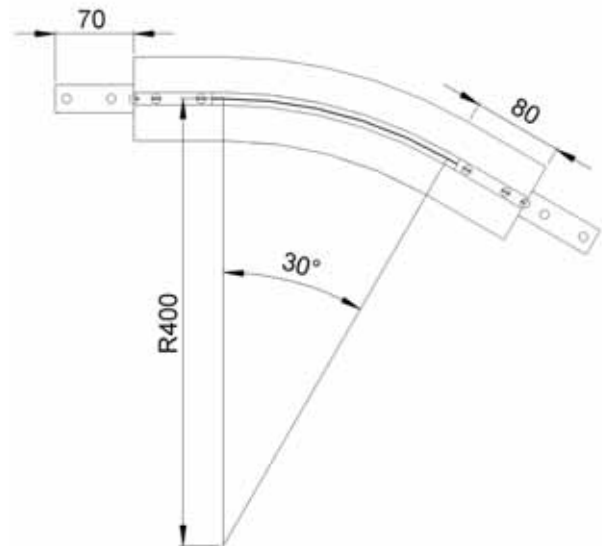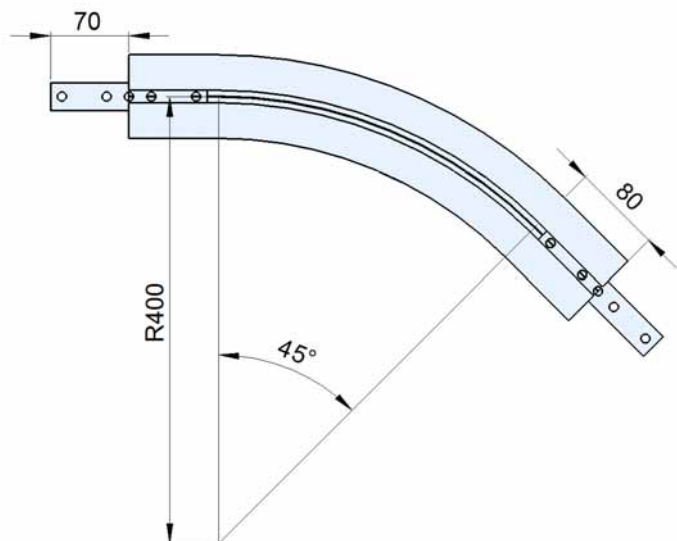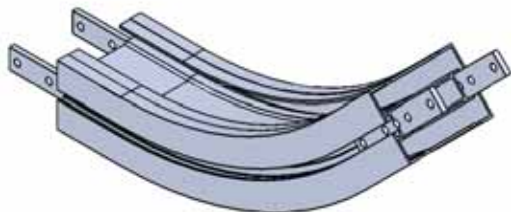Slide rail required 2-way: 1.5 meter
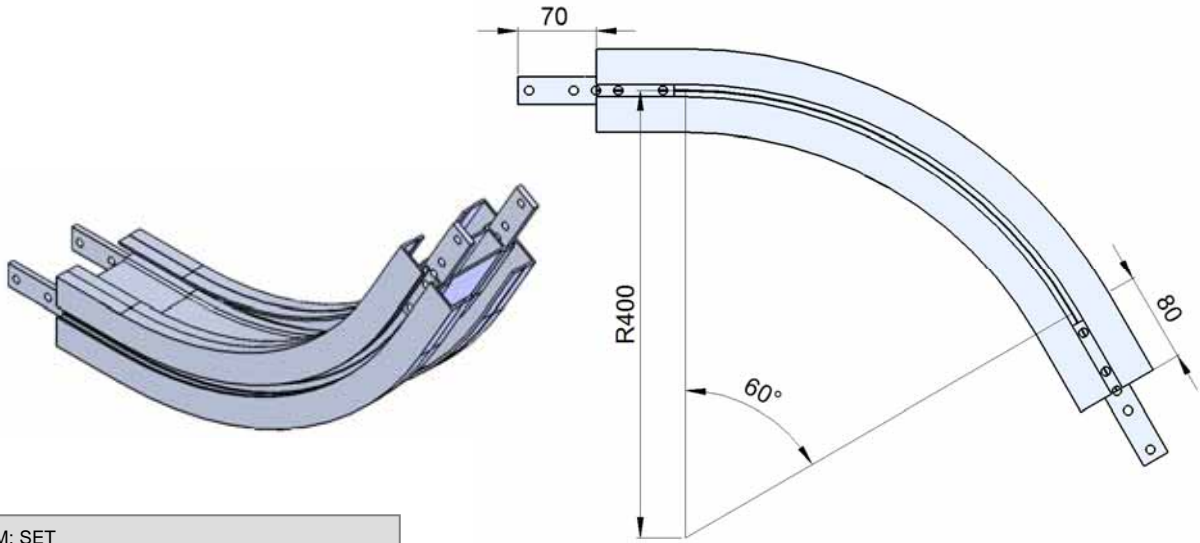
| FC Vertical Bend 45° |
| **FCVB-45R00** |

UOM: SET

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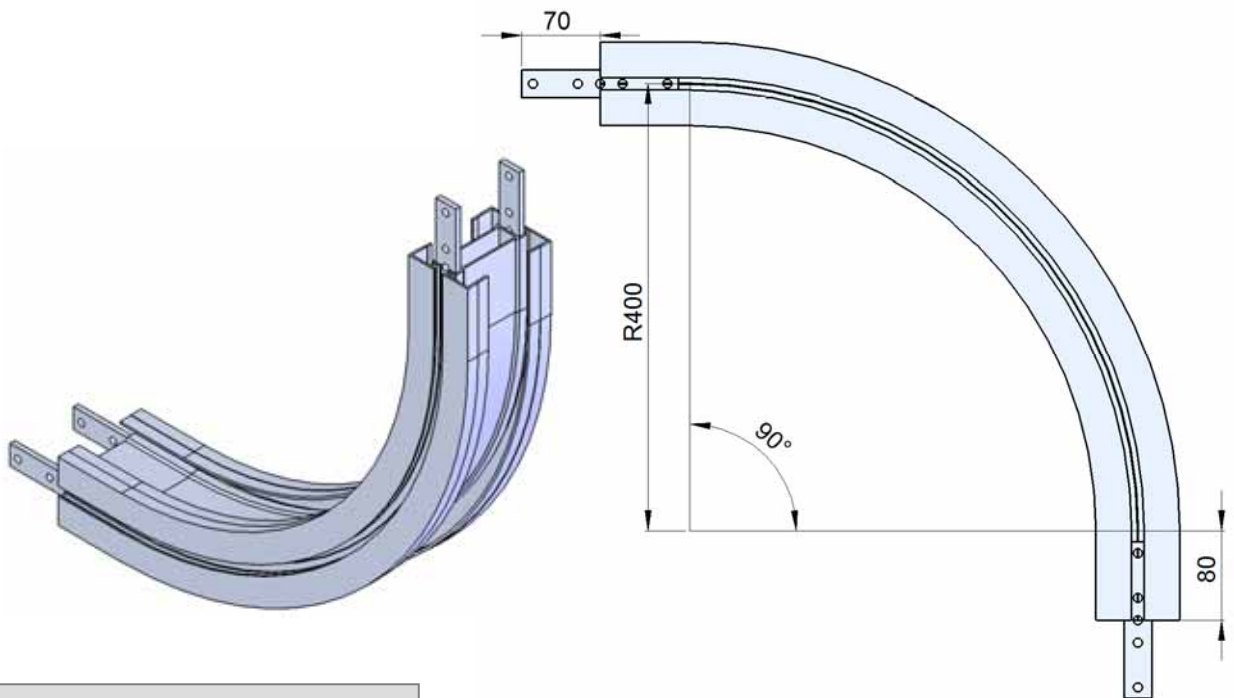Slide rail required 2-way: 1.9 meter

FC

FC Vertical Bend 60°
FCVB-60R400

70

R400

80

60°

UOM: SET

Chain required 2-way: 1.2 meter
Slide rail required 2-way: 2.4 meter

FC Vertical Bend 90°
FCVB-90R400

70

R400

90°

80

UOM: SET

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

FC Vertical 5° - 90°

Example for FC Vertical Bend Ordering

Vertical bend, Ө° ± 1°

FCVB-Ө°R400

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

FCVB-65R400

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

FC