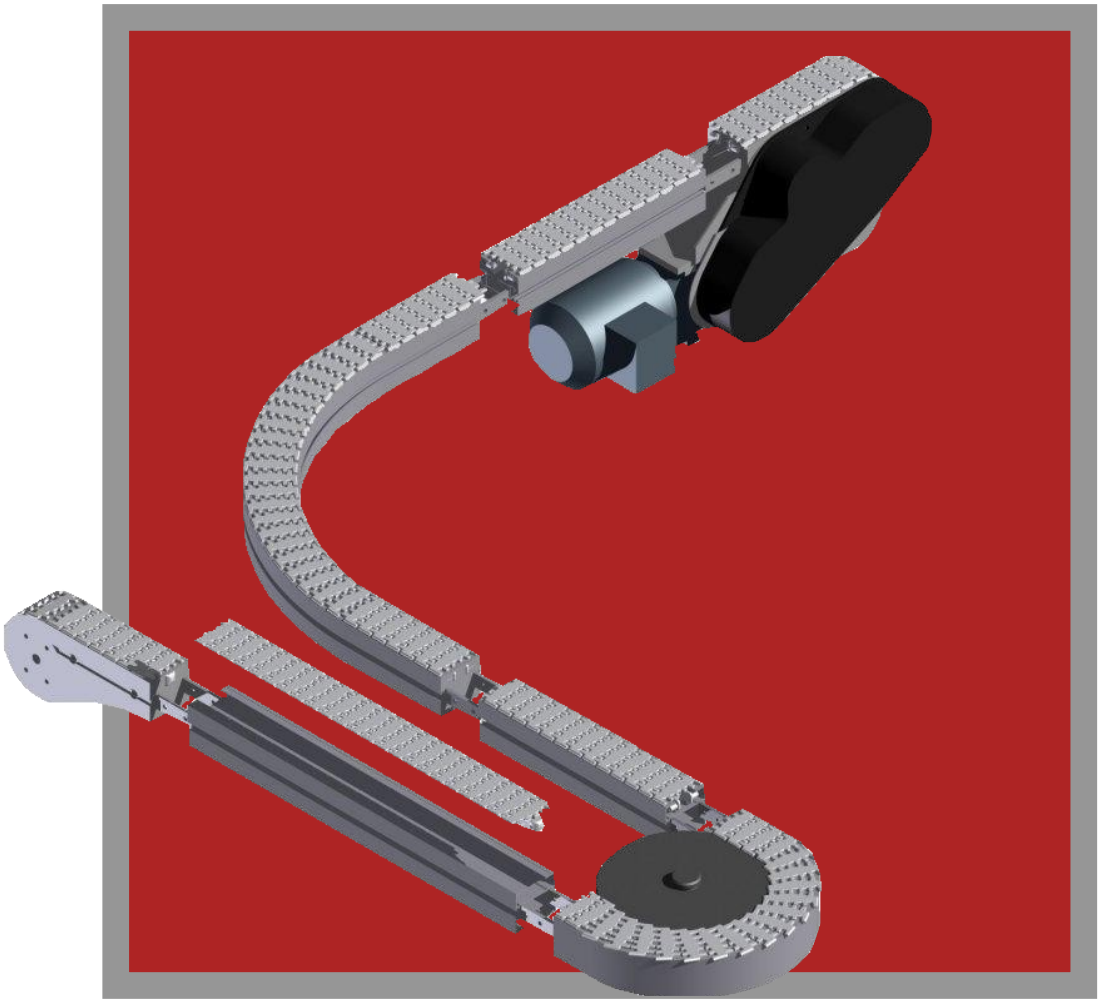
modular automation®

Conveyor Systems



The Logistics Modules in Production,
Assembly and Packaging

Conveyor system

Contents

F45	F45-1
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FL	FL-1
FM	FM-1
F85	F85-1
FK	FK-1
FH	FH-1
FB	FB-1
CA	CA-1
PAL	PAL -1
FC	FC-1
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Conveyor system

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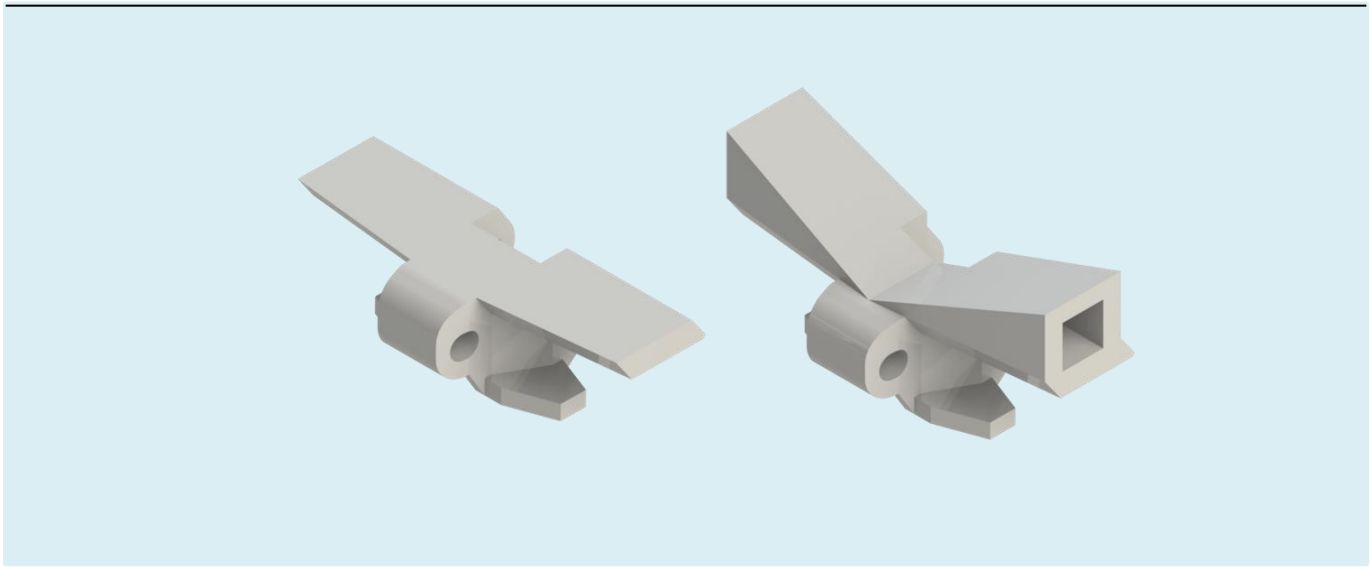
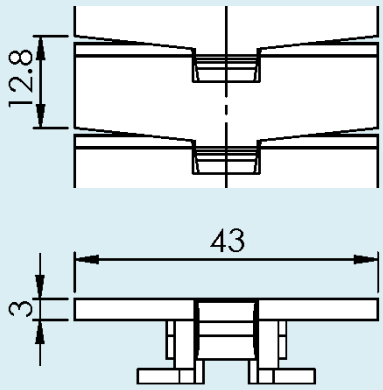


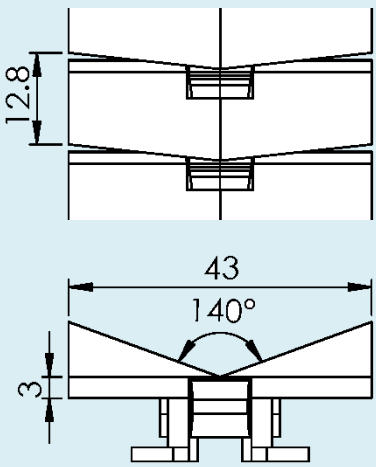
Plain chain

FUTP 3A45 Plain chain
Length 3 mt

F5113047 Plain link



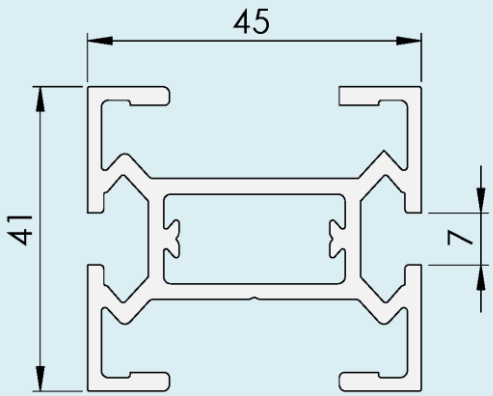
FUTP 3A45V Cleated chain
Length 3 mt



Conveyor beam

Beam

FUCB 3 Length 3 mt

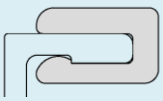


Slide rail Length 3 mt

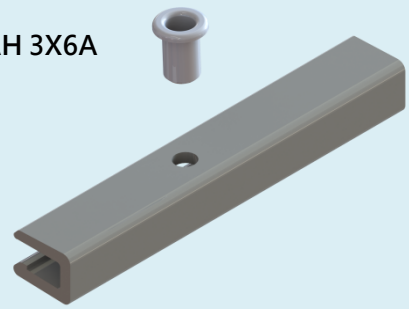
FTCR 25H Polyethylene
HDPE+PA6 Gray

FLAH 3X6A Aluminium rivet

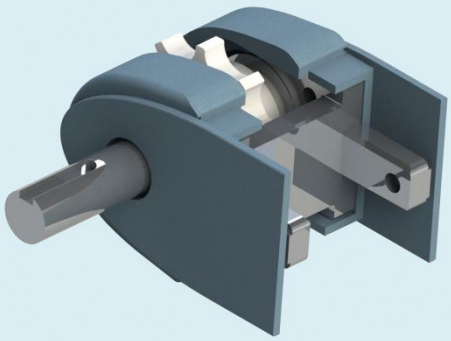
FTCR 25



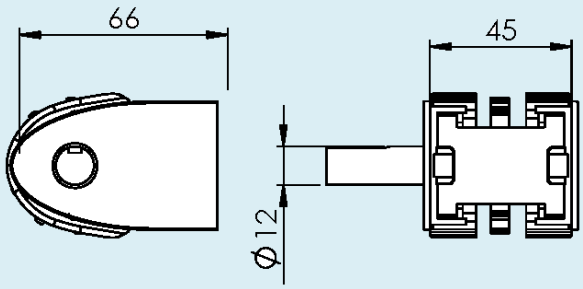
FLAH 3X6A



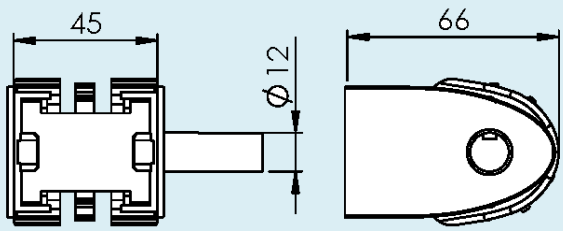
End drive units



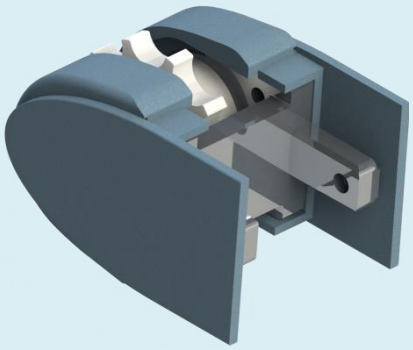
FUEB 0 LU Drive unit
Transmission on
left-hand side



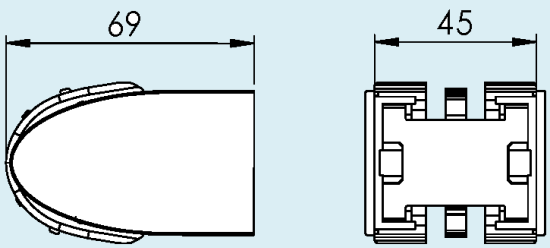
FUEB 0 RU Drive unit
Transmission on
left-hand side



Idler end unit

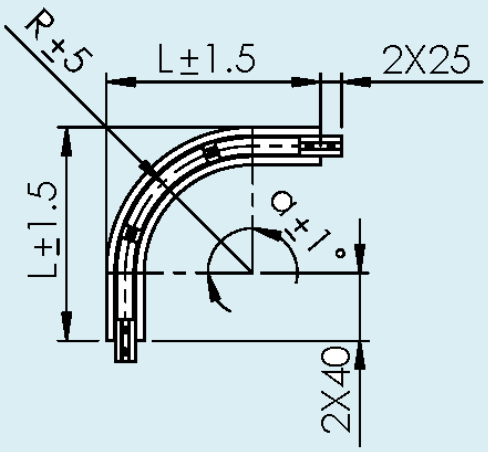


FUEJ 50 Ider end unit

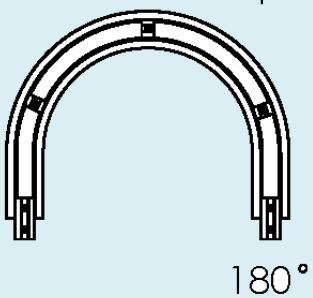


Horizontal plain bends

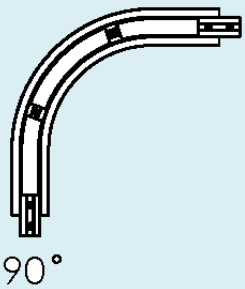
Item	Angle(a)	Radius(R)	Length(L)
FUBP 30R150	30°	150 ±5 mm	86 mm
FUBP 45R150	45°	150 ±5 mm	111 mm
FUBP 90R150	90°	150 ±5 mm	212.5 mm
FUBP 180R150	180°	150 ±5 mm	212.5 mm



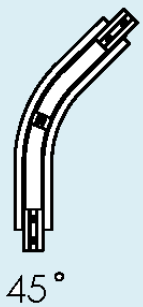
FUBP 180R150
Horizontal plain bend, 180°



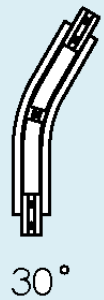
FUBP 90R150
Horizontal plain bend, 90°



FUBP 45R150
Horizontal plain bend, 45°



FUBP 30R150
Horizontal plain bend, 30°



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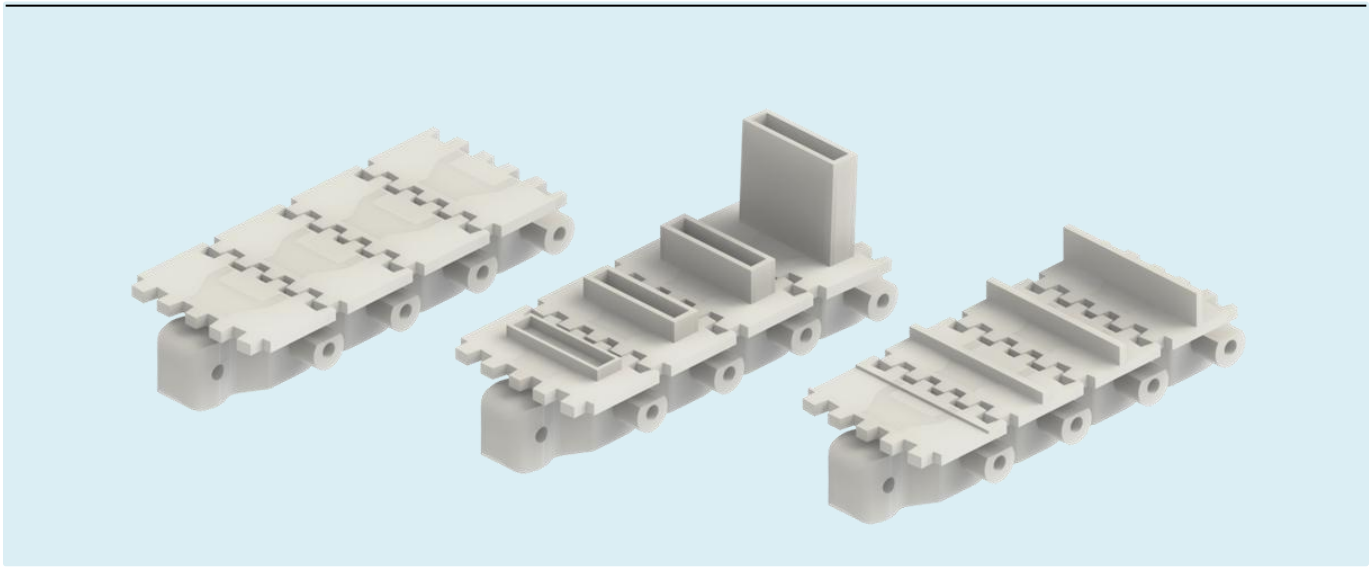
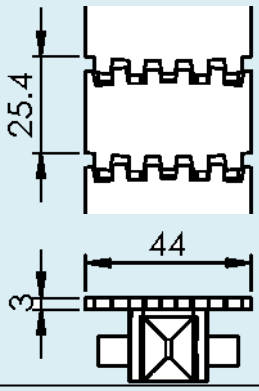
Chains



Chains

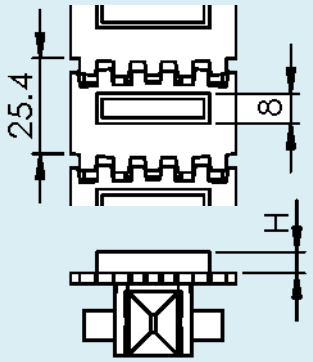
Plain chain

FSTP 5	Plain chain Length 5 mt
FSTL 44	Plain link



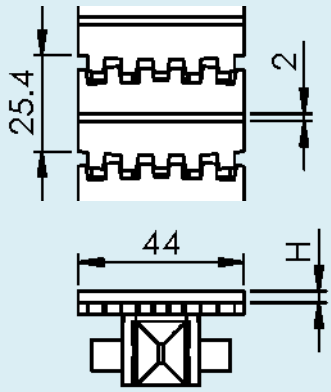
Cleated chain Cleated chain Type D cleats

	Length 3 mt
FSTF 5X3 D...	H=3 mm
FSTF 5X5.5 D...	H=5.5 mm
FSTF 5X9 D...	H=9 mm
FSTF 5X20 D...	H=20 mm
FSTF 5X27 D...	H=27 mm
	Cleated link
FSTL 44X3 D	H=3 mm
FSTL 44X5.5 D	H=5.5 mm
FSTL 44X9 D	H=9 mm
FSTL 44X20 D	H=20 mm
FSTL 44X27 D	H=27 mm



Cleated chain Cleated chain Type G cleats

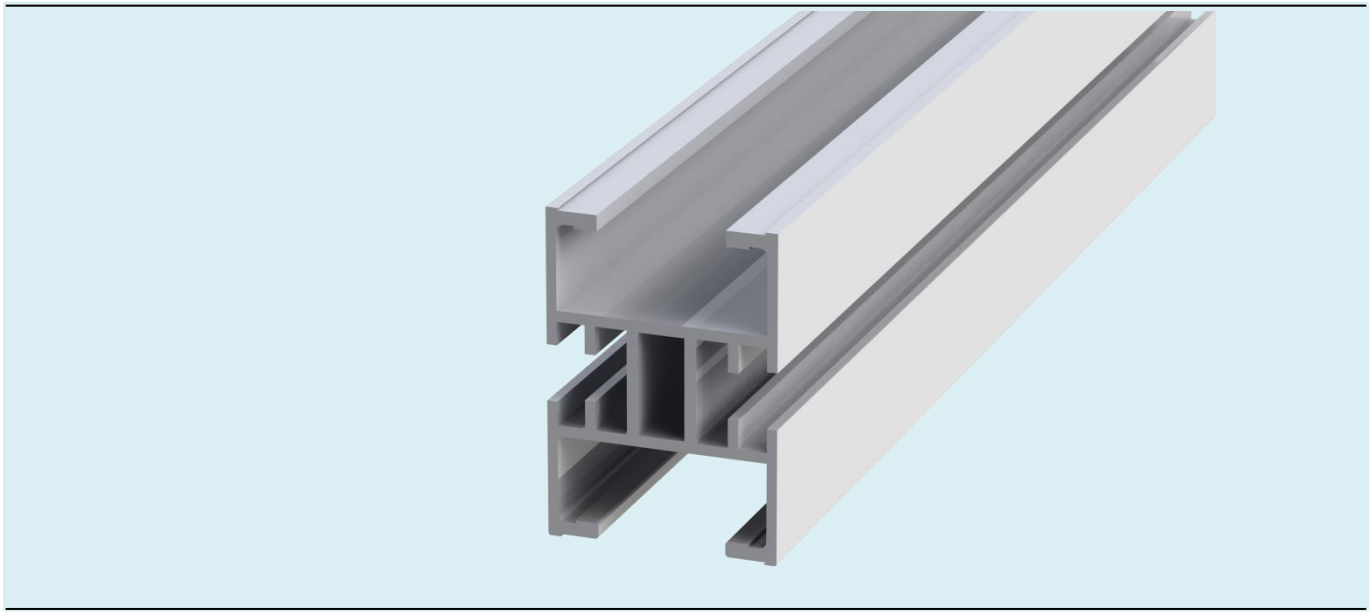
	Length 3 mt
FSTF 5X3 G...	H=3 mm
FSTF 5X5 G...	H=5 mm
FSTF 5X9 G...	H=9 mm
	Cleated link
FSTL 44X3 G	H=3 mm
FSTL 44X5 G	H=5 mm
FSTL 44X9 G	H=9 mm



Tools and accessories

FLTT 9X16	Plastic pivot
FLTD 4X36	Steel pin
FLMJ 4	Pin insertion tool
FDSS 450	Silicone-based lubricant

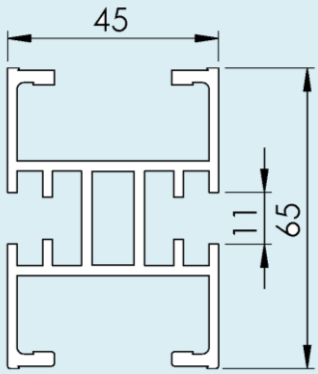
Conveyor beam



Conveyor beam

Beam

FSCB 3 Length 3 m

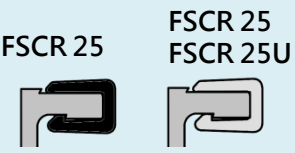


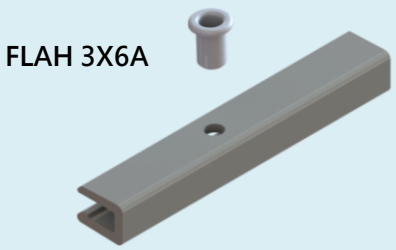
Slide rail Length 25 m

FSCR 25 Polyethylene
HDPE White/Black

FSCR 25U UHMW White

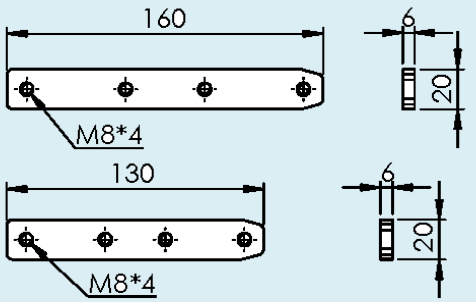
FLAH 3X6A Aluminium rivet





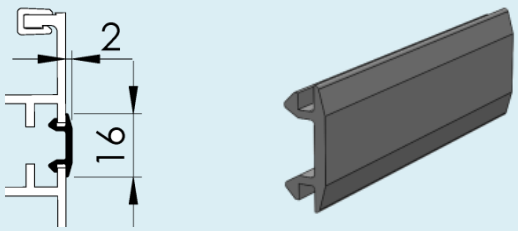
Connecting strip with set screws

FSCJ 6X130 Length 130 mm
FSCJ 6X160 Length 160 mm



T-slot cover, 50M/Rol

FLAB 50 Length 50 m

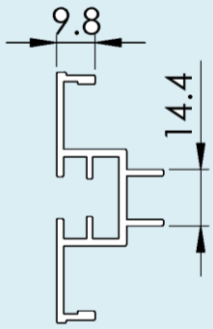


FLMR 140 Mounting tool

Conveyor beam

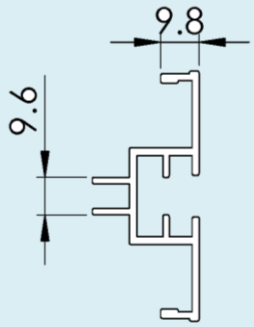
Beam outer

FSCB 3H Length 3 m



Beam inner

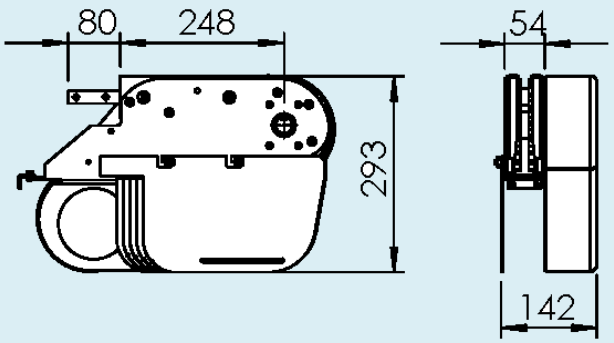
FSCB 3J Length 3 m



End drive units

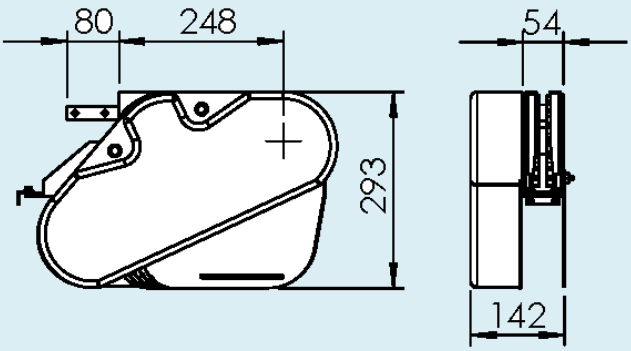
FSEB 0HLA Drive unit

Transmission on left-hand side

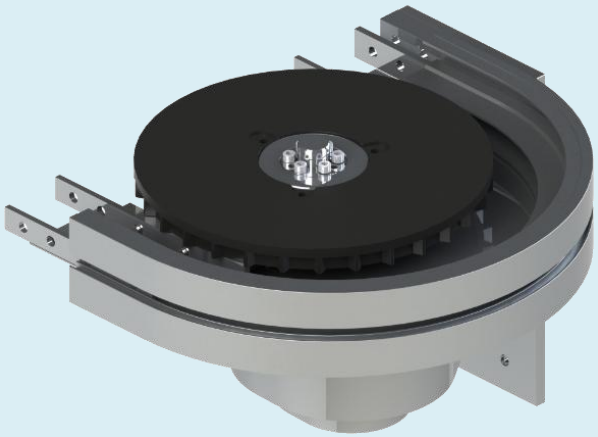


FSEB 0HRA Drive unit

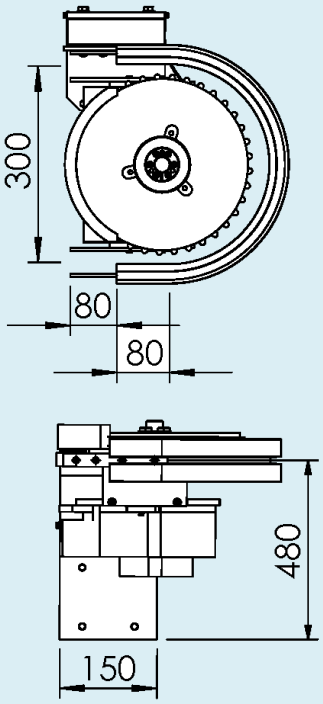
Transmission on right-hand side



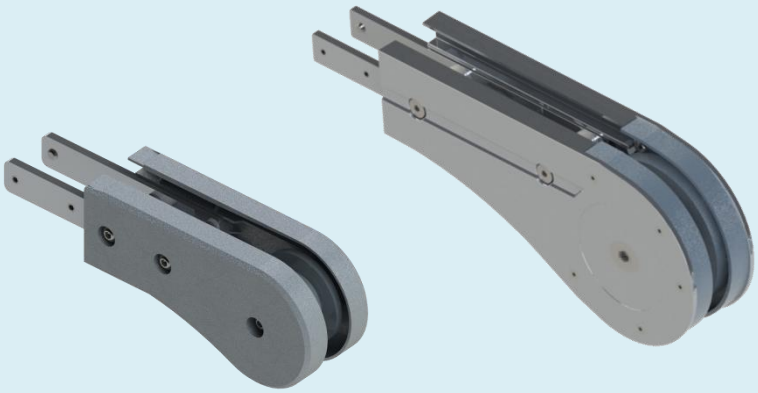
Horizontal bend drive unit



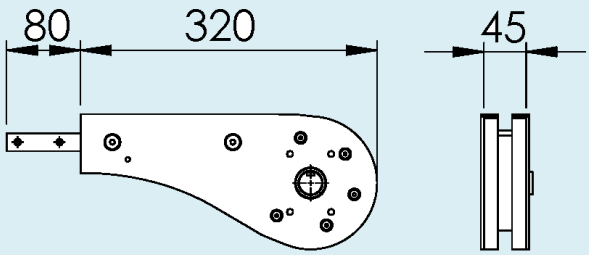
FSEW 180/0H Horizontal bend drive unit, 180°



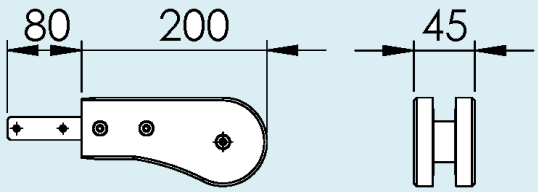
Idler end unit



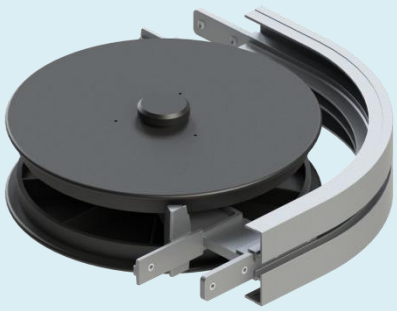
FSEJ 320 Idler end unit



FSEJ 200 Idler end unit



Horizontal wheel bends

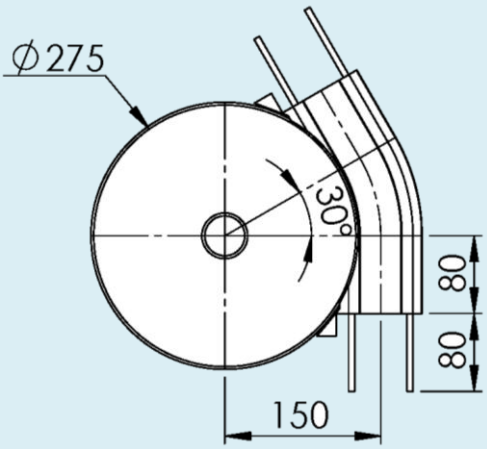


Horizontal wheel bends

Horizontal wheel bend, 30 °

FSBH 30R150 Radius to centre of chain 150 mm

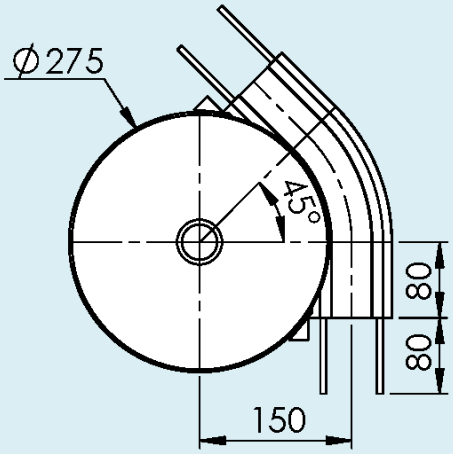
FSBH 30R150A with protective cover



Horizontal wheel bend, 45 °

FSBH 45R150 Radius to centre of chain 150 mm

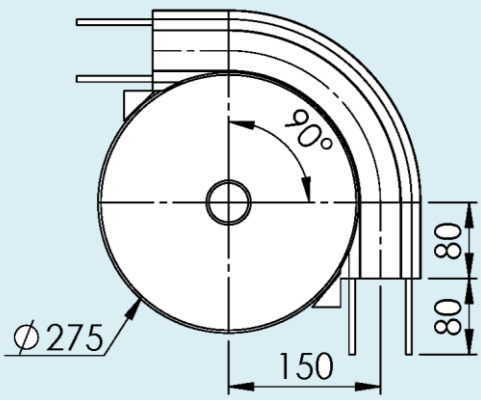
FSBH 45R150A with protective cover



Horizontal wheel bend, 90 °

FSBH 90R150 Radius to centre of chain 150 mm

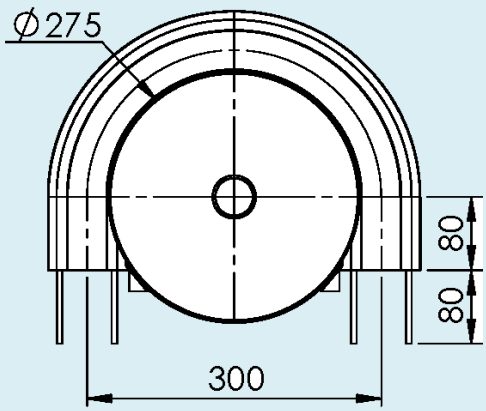
FSBH 90R150A with protective cover



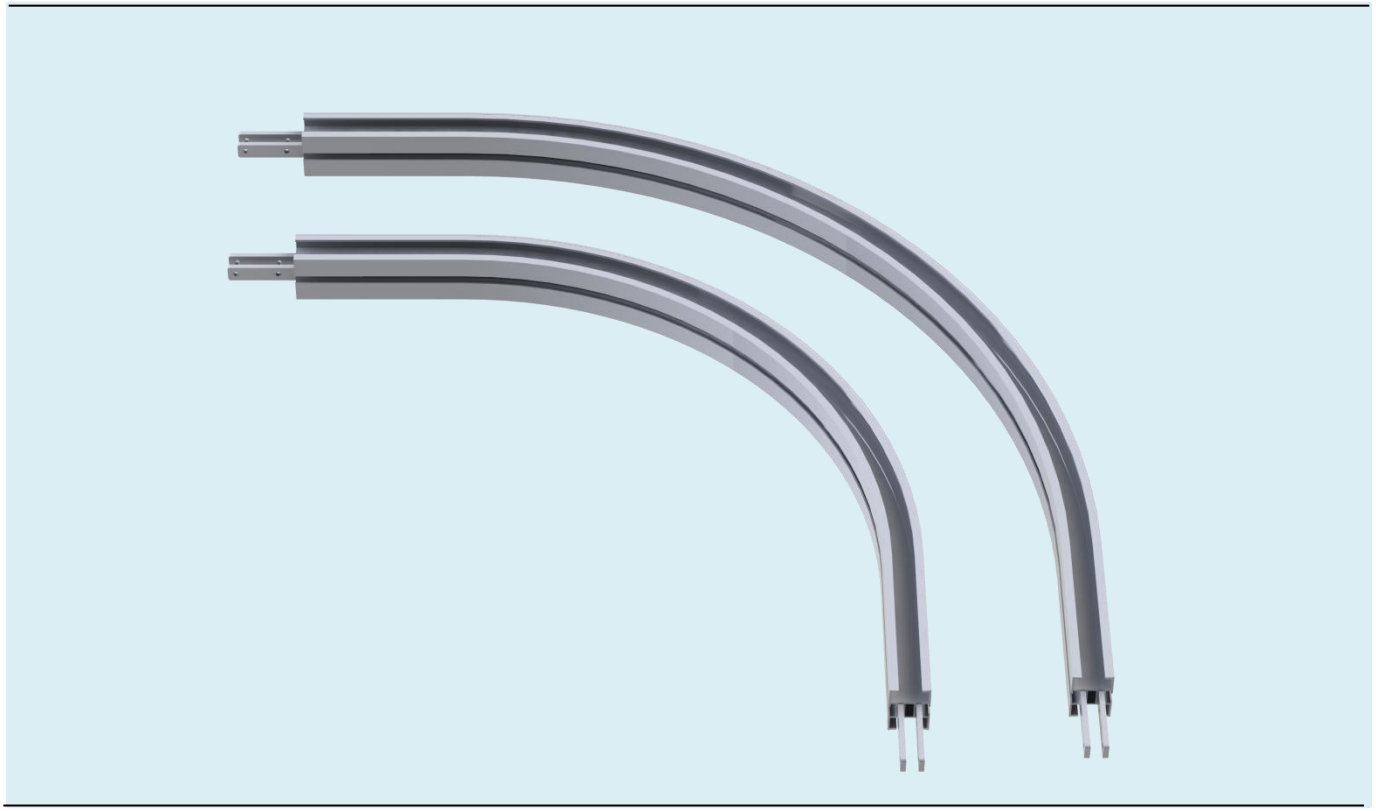
Horizontal wheel bend, 180°

FSBH 180R150 Radius to centre of chain 150 mm

FSBH 180R150A with protective cover



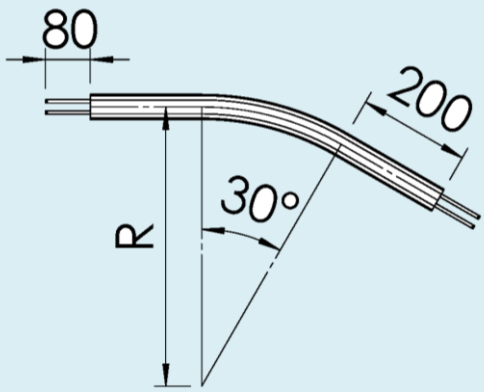
Horizontal plain bends



Horizontal plain bends

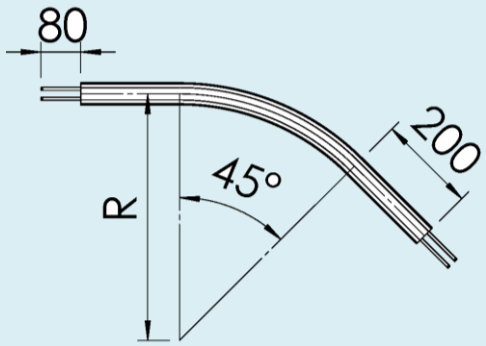
Horizontal plain bend, 30°
Radius to centre of beam:

FSBP 30R500 R=500 mm
FSBP 30R700 R=700 mm
FSBP 30R1000 R=1000mm



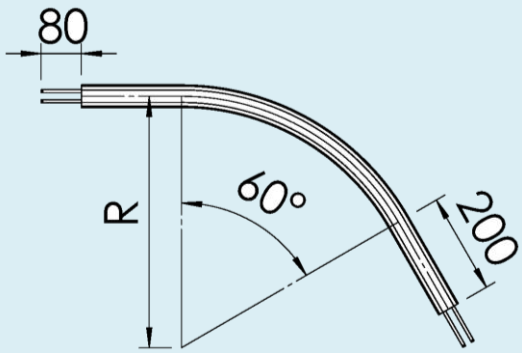
Horizontal plain bend, 45°
Radius to centre of beam:

FSBP 45R500 R=500 mm
FSBP 45R700 R=700 mm
FSBP 45R1000 R=1000mm



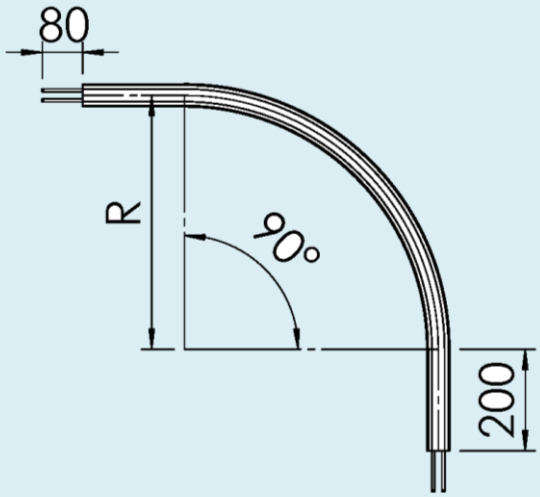
Horizontal plain bend, 60°
Radius to centre of beam:

FSBP 60R500 R=500 mm
FSBP 60R700 R=700 mm
FSBP 60R1000 R=1000mm



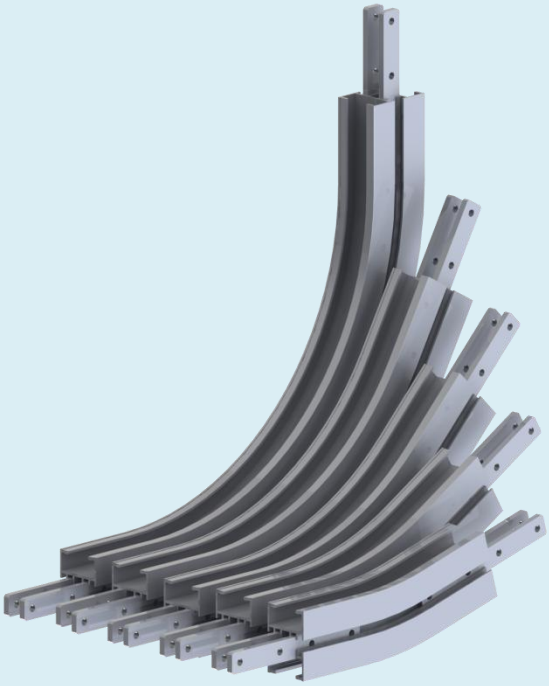
Horizontal plain bend, 90°
Radius to centre of beam:

FSBP 90R500 R=500 mm
FSBP 90R700 R=700 mm
FSBP 90R1000 R=1000mm



* Note: Special angles on request.

Vertical bends

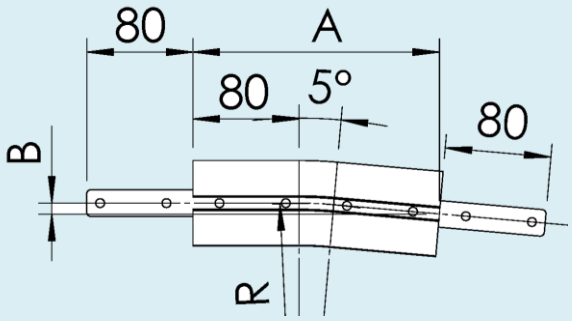


Vertical bends

Vertical bend, 5°
Radius to centre of beam:

FSBV 5R300 R=300 mm
FSBV 5R400 R=400 mm

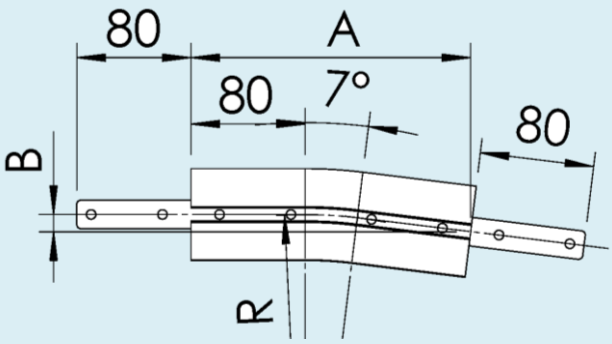
	R	A	B
FSBV 5R300	300	186	8
FSBV 5R400	400	195	9



Vertical bend, 7°
Radius to centre of beam:

FSBV 7R300 R=300 mm
FSBV 7R400 R=400 mm

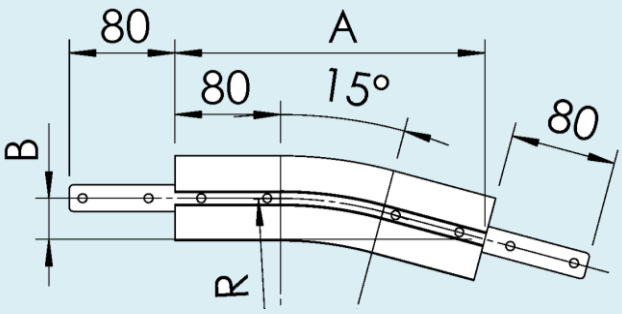
	R	A	B
FSBV 7R300	300	196	12
FSBV 7R400	400	208	13



Vertical bend, 15°
Radius to centre of beam:

FSBV 15R300 R=300 mm
FSBV 15R400 R=400 mm

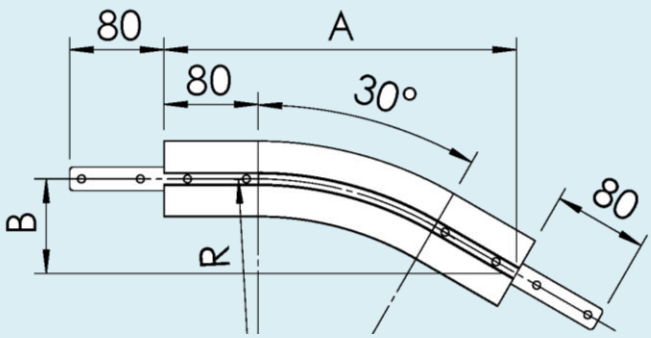
	R	A	B
FSBV 15R300	300	235	31
FSBV 15R400	400	261	34



Vertical bend, 30°
Radius to centre of beam:

FSBV 30R300 R=300 mm
FSBV 30R400 R=400 mm

	R	A	B
FSBV 30R300	300	299	80
FSBV 30R400	400	349	94

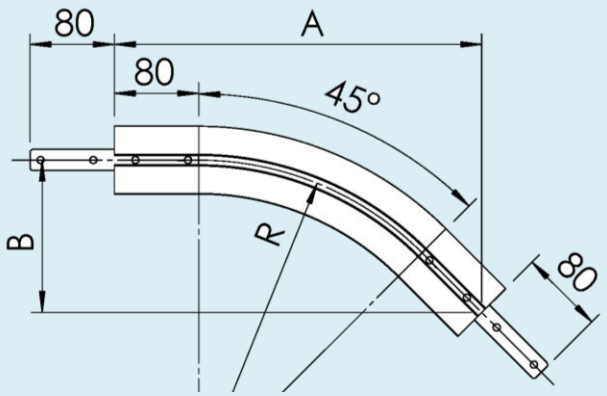


* Note: Special angles on request.

Vertical bends

Vertical bend, 45°
Radius to centre of beam:

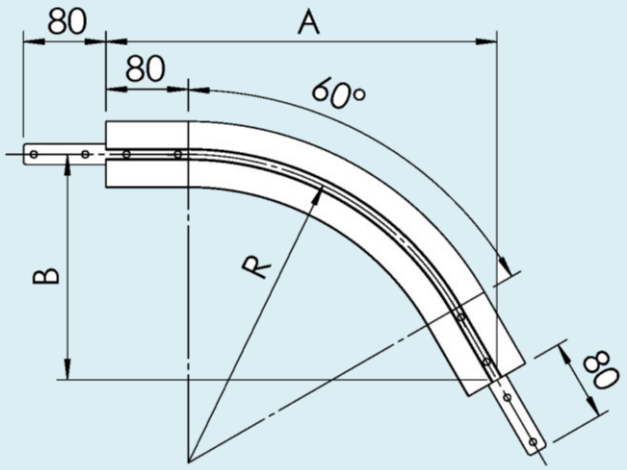
FSBV 45R300 R=300 mm
FSBV 45R400 R=400 mm



	R	A	B
FSBV 45R300	300	349	145
FSBV 45R400	400	419	174

Vertical bend, 60°
Radius to centre of beam:

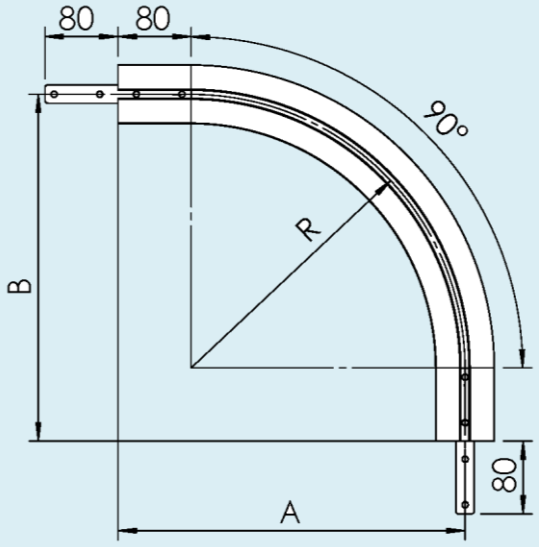
FSBV 60R300 R=300 mm
FSBV 60R400 R=400 mm



	R	A	B
FSBV 60R300	300	380	219
FSBV 60R400	400	466	269

Vertical bend, 90°
Radius to centre of beam:

FSBV 90R300 R=300 mm
FSBV 90R400 R=400 mm



	R	A	B
FSBV 90R300	300	380	380
FSBV 90R400	400	480	480

* Note: Special angles on request.

Conveyor system FL

Contents

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Conveyor beam 6
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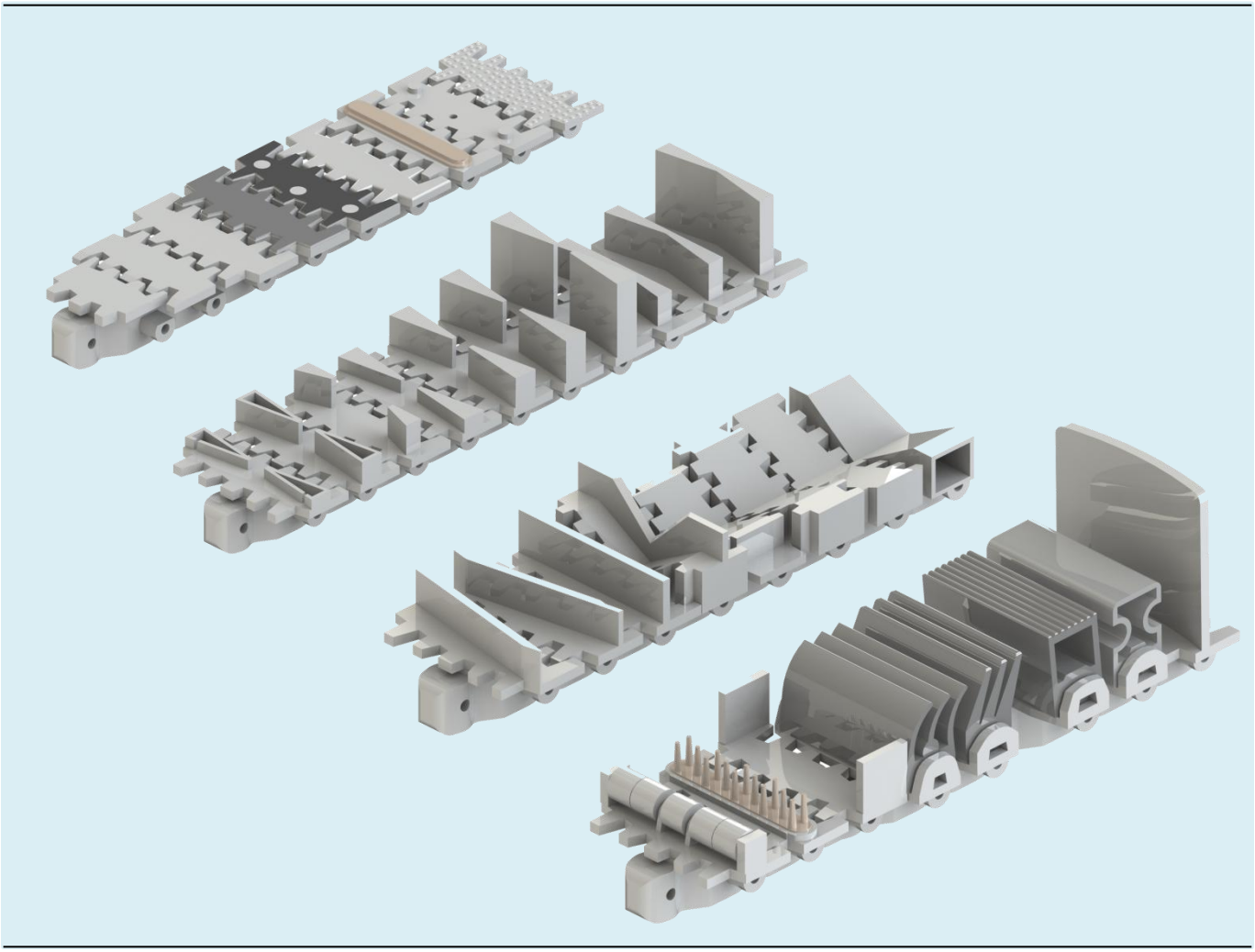
Idler unit 15
Horizontal wheel bends 17
Horizontal plain bend 20
Vertical bends 22
Front piece 24
Drip trays and drip chatchers 26

Chains

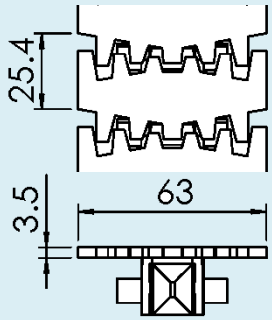


Chain

Plain chain

FLTP 5 Plain chain
Length 5 mt

FLTL 63 Plain link

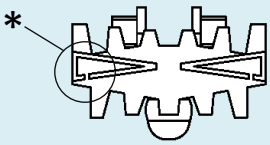


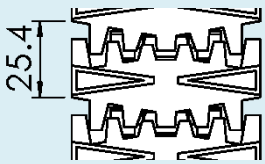
Cleated chain Cleated chain Type A
Length 5 mt

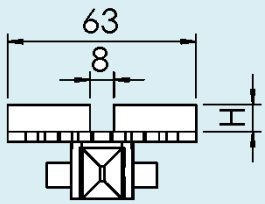
FLTF 5X4 A...	H=4 mm *
FLTF 5X5.5 A...	H=5.5 mm *
FLTF 5X9 A...	H=9 mm
FLTF 5X12 A...	H=12 mm
FLTF 5X15 A...	H=15 mm
FLTF 5X17 A...	H=17 mm
FLTF 5X30 A...	H=30 mm

Cleated link

FLTL 63X4 A	H=4 mm *
FLTL 63X5.5 A	H=5.5 mm *
FLTL 63X9 A	H=9 mm
FLTL 63X12 A	H=12 mm
FLTL 63X15A	H=15 mm
FLTL 63X17 A	H=17 mm
FLTL 63X30 A	H=30 mm



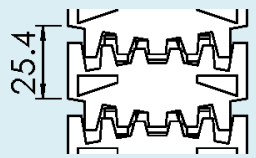


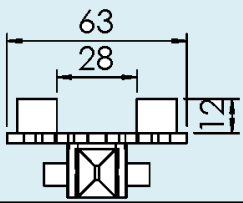


Cleated chain

FLTF 5X12 B... Cleated chain Type B
Length 5 mt

FLTL 63X12 B Cleated link





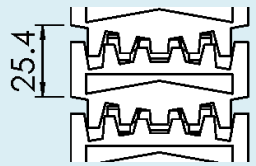
Cleated chain

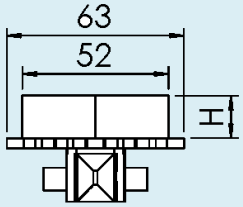
Cleated chain Type C
Length 5 mt

FLTF 5X12 C...	H=12 mm
FLTF 5X15 C...	H=15 mm
FLTF 5X30 C...	H=30 mm

Cleated link

FLTL 63X12 C	H=12 mm
FLTL 63X15 C	H=15 mm
FLTL 63X30 C	H=30 mm cleats



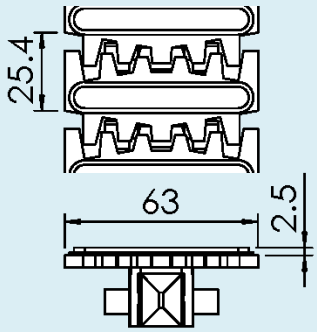


Chain

Friction top chain

FLTP 5 F Friction top chain Length 5 mt

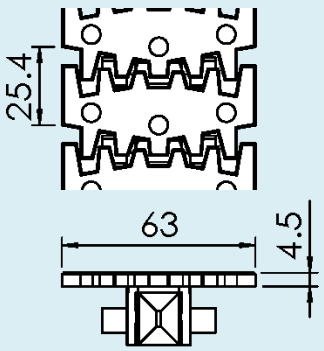
FLTL 63 F Friction top link



Steel top chain

FLTP 5 TF Steel top chain Length 5 mt

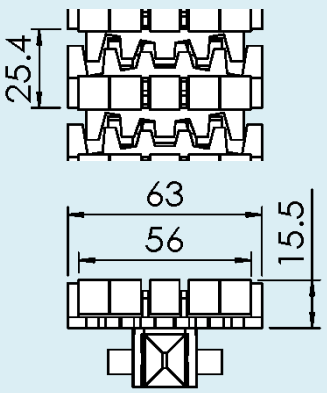
FLTL 63 TF Steel top link



Roller top chain

FLTR 5 Roller top chain Length 5 mt

FLTL 63 R Roller top link

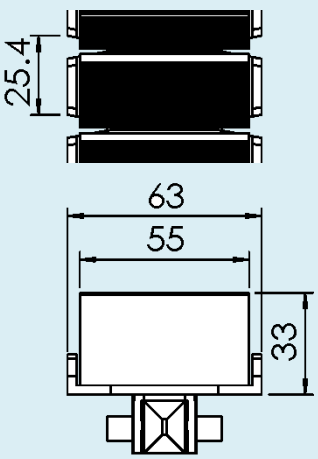


Flexible cleat chain

FLTE 5 D Flexible cleat chain Type D , Length 5 mt

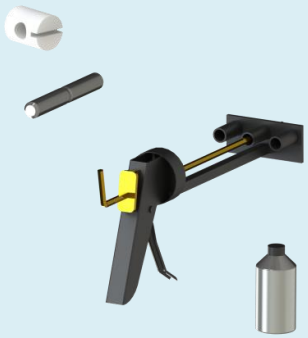
FLTM 63 D Flexible cleat link assembly Type D (link base and flexible cleat top) Cleated link

FLTX 55 D Flexible cleat top (replacement)

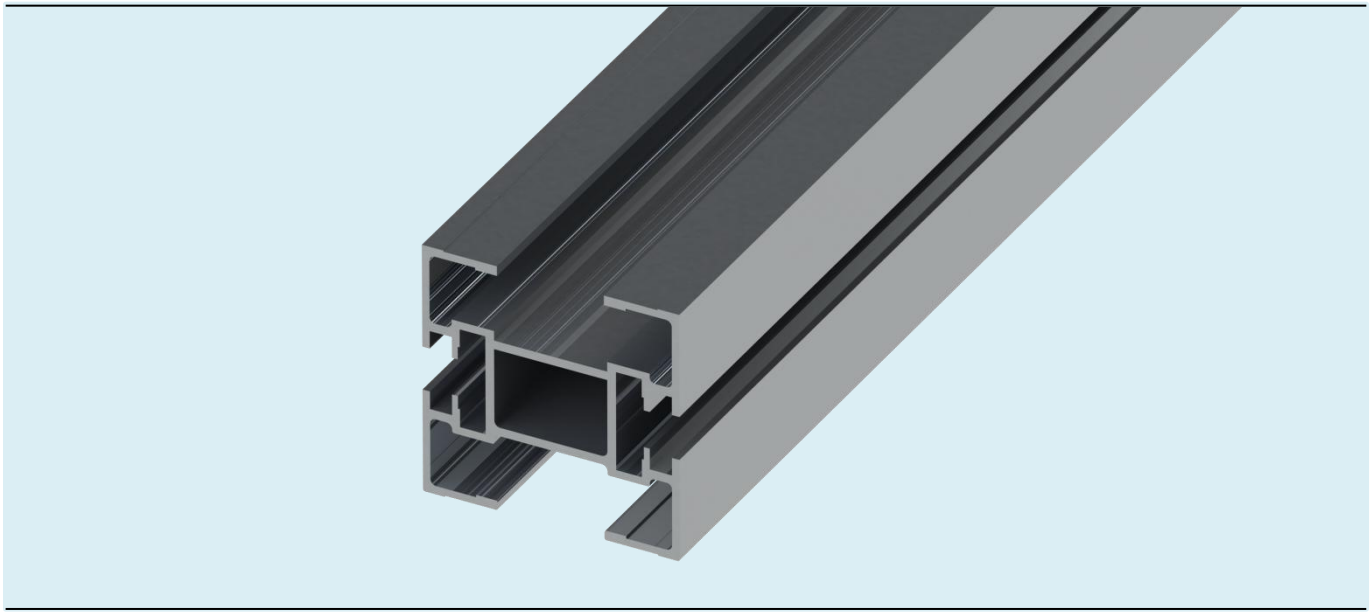


Tools and accessories

FLTT 9X16	Plastic pivot
FLTD 4X36	Steel pin
FLMJ 4	Pin insertion tool
FDSS 450	Silicone-based lubricant



Conveyor beam



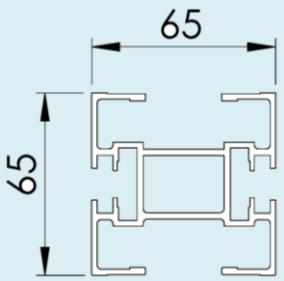
Conveyor beam

modular automation®

FL

Beam

FLCB 3 Length 3 m



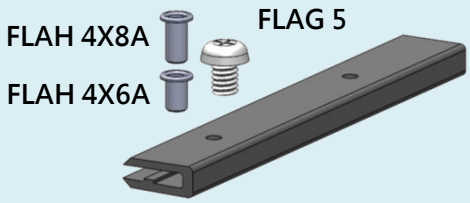
Slide rail Length 25 m

FLCR 25 HDPE Black
FLCR 25U UHMW White
FLCR 25P PVDF White
FLCR 25H HDPE+PE6 Gray

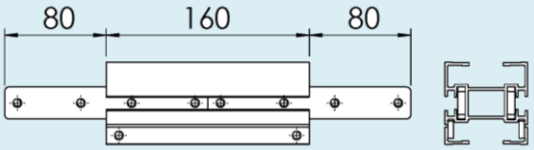
FLAH 4X6A Aluminium rivet
FLAH 4X8A Aluminium rivet

FLAG 5 Plastic screw

FLCR 25 **FLCR 25H** **FLCR 25U/FLCR 25P**

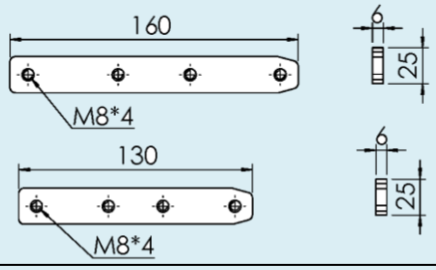


FLCC 160 Beam section for chain Installation including connection strips and screws



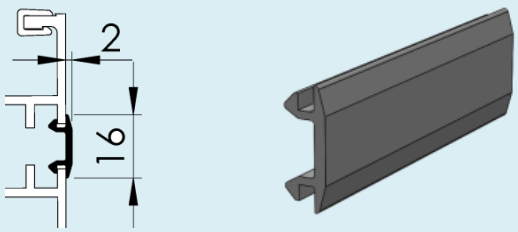
Connecting strip with set screws

FLCJ 6X130 Length 130 mm
FLCJ 6X160 Length 160 mm



T-slot cover

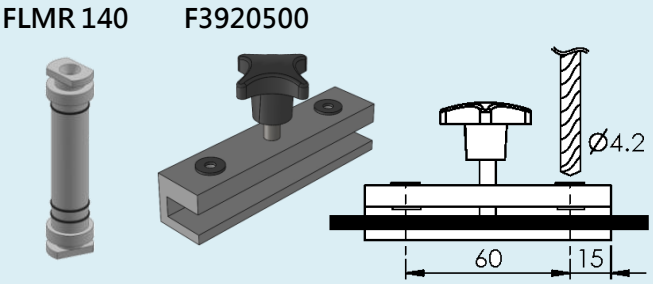
FLAB 50 Length 50 m



F3920500 Drill fixture for slide rail

FLMR 140 Mounting tool

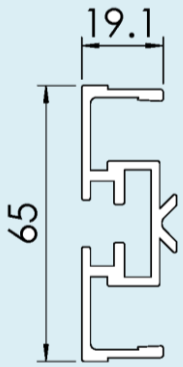
FLMR 140 **F3920500**



Conveyor beam

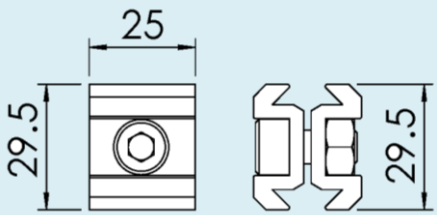
Half beam

FLCB 3H Length 3 m

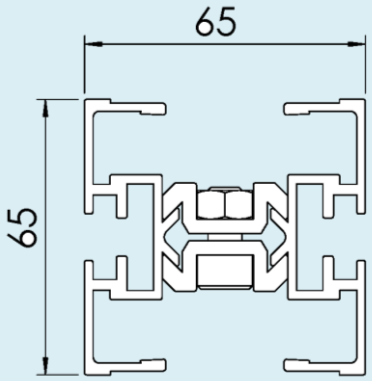


Beam clip

FLCE 29X20

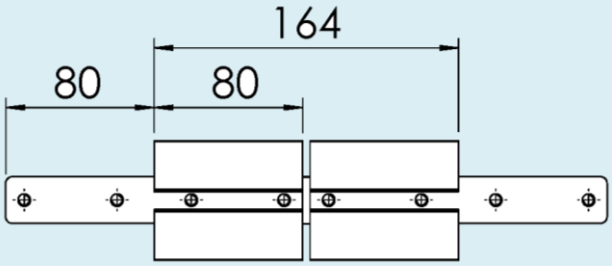


Split Conveyor beam assembled
Length 3mt



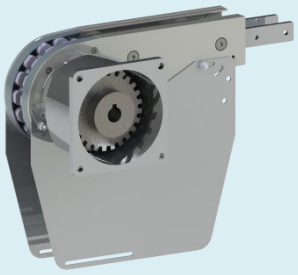
Articulated beam section

FLCH 5V Articulated beam section, vertical



Slide rail: see “Conveyor beam”.

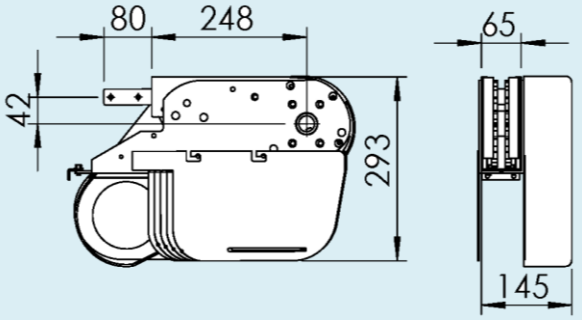
End drive units



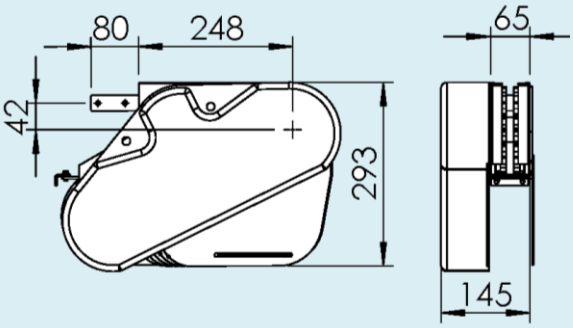
Direct drive

End drive units

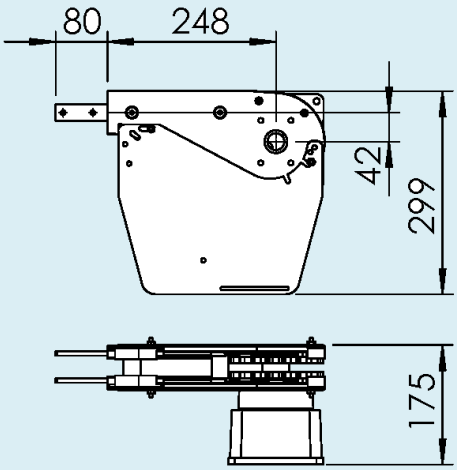
FLEB 0HLA Drive unit
Transmission on
left-hand side



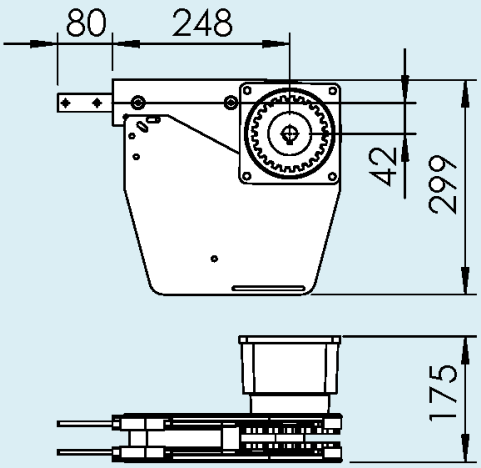
FLEB 0HRA Drive unit
Transmission on
right-hand side



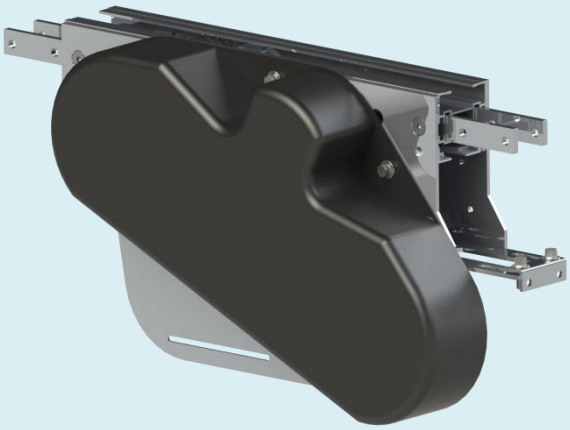
FLEB 0HLPA Drive unit
Direct drive,
left-hand side



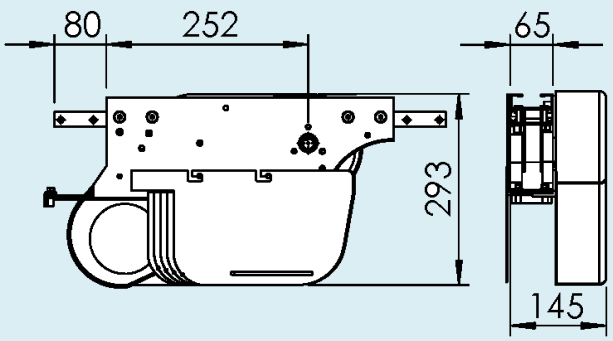
FLEB 0HRPA Drive unit
Direct drive,
right-hand side



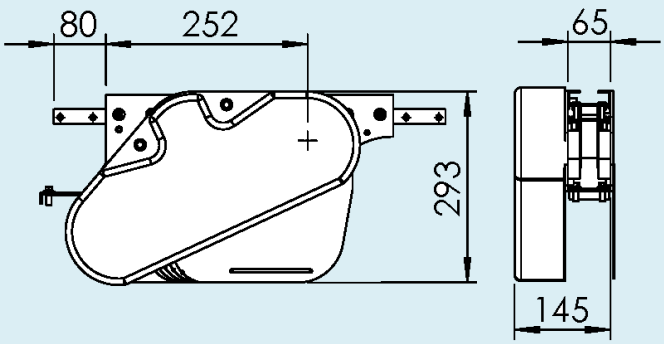
Intermediate drive units



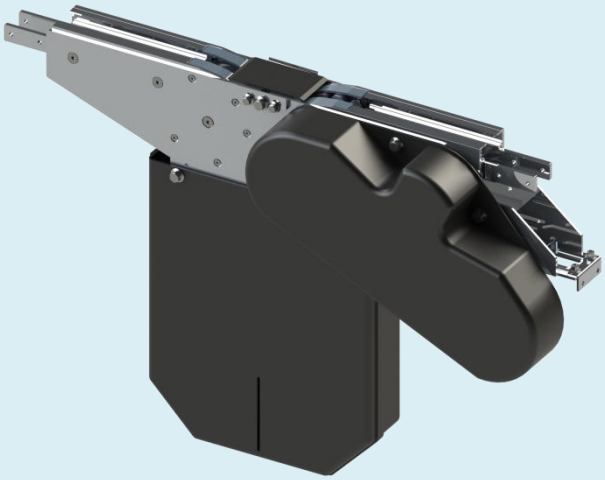
FLER 0HL Drive unit
Transmission on
left-hand side



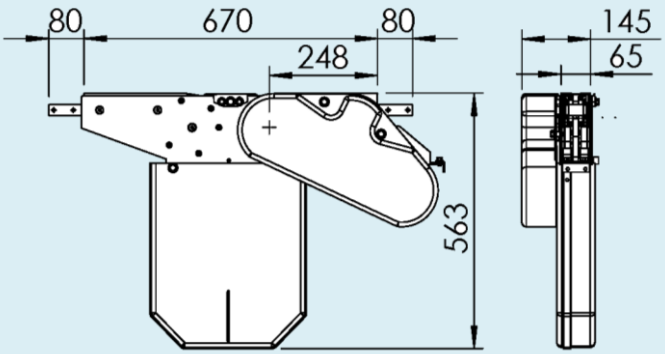
FLER 0HR Drive unit
Transmission on
right-hand side



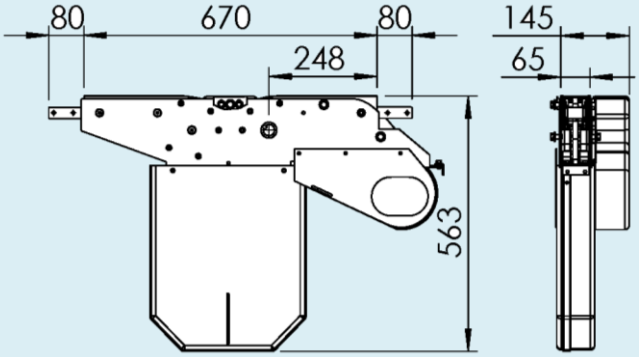
Catenary drive units



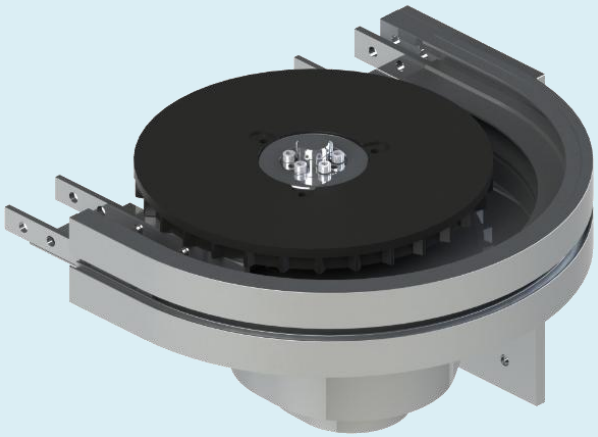
FLEC 0HL Drive unit
Transmission on
left-hand side



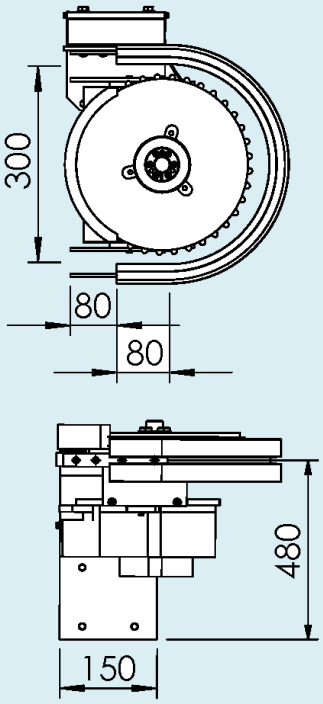
FLEC 0HR Drive unit
Transmission on
right-hand side



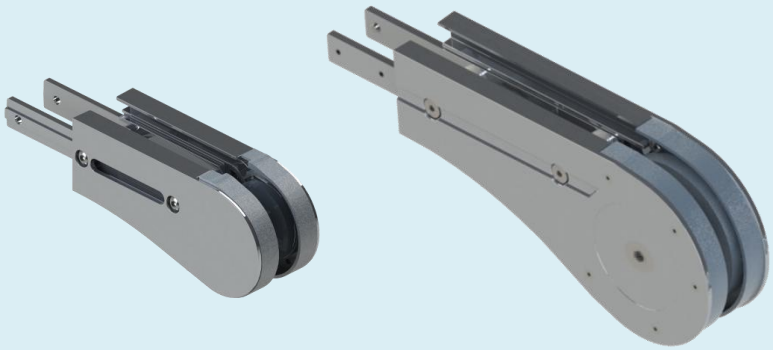
Horizontal bend drive unit



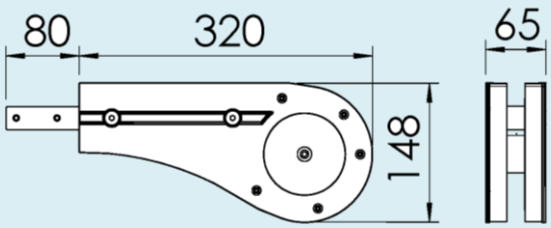
FLEW 180/0H Horizontal bend drive unit, 180°



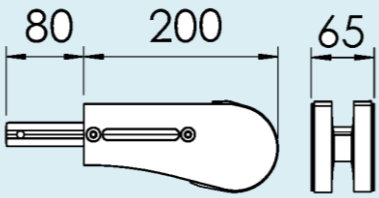
Idler end units



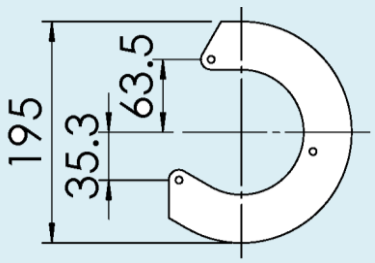
FLEJ 320 Idler end unit

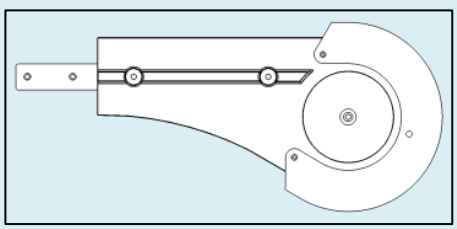


FLEJ 200S Idler end unit



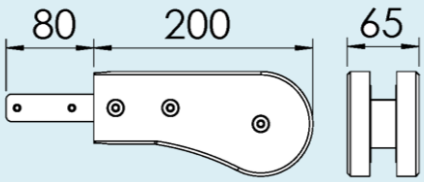
FLSJ 182 Protective cover for idler end nit



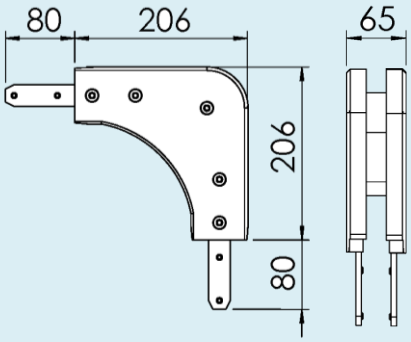


Idler end unit

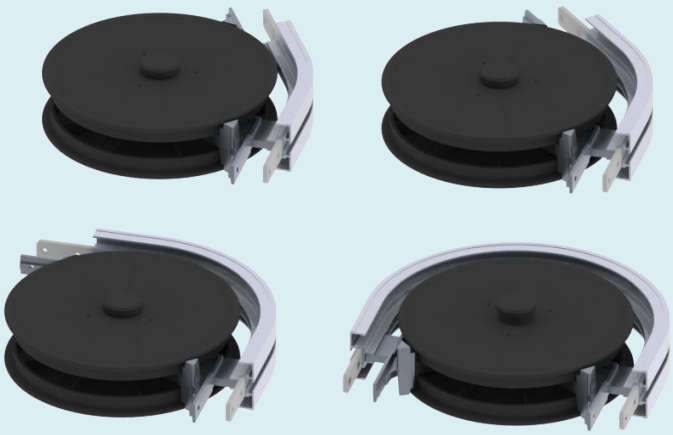
FLEJ 200 Idler end unit



FLEK 90R40 Idler end unit, 90°



Horizontal wheel bends

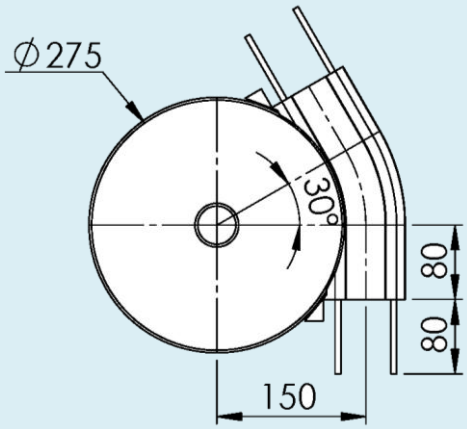


FL-Horizontal wheel bends

Horizontal wheel bend, 30°

FLBH 30R150 Radius to centre of chain 150 mm

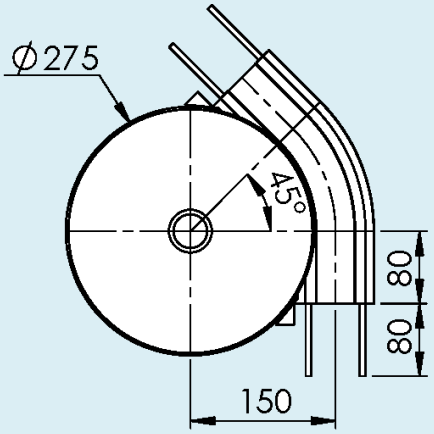
FLBH 30R150A with protective cover



Horizontal wheel bend, 45°

FLBH 45R150 Radius to centre of chain 150 mm

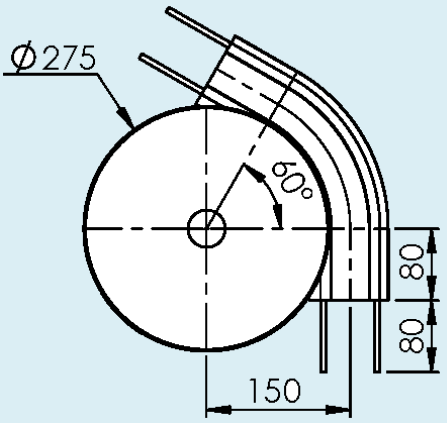
FLBH 45R150A with protective cover



Horizontal wheel bend, 60°

FLBH 60R150 Radius to centre of chain 150 mm

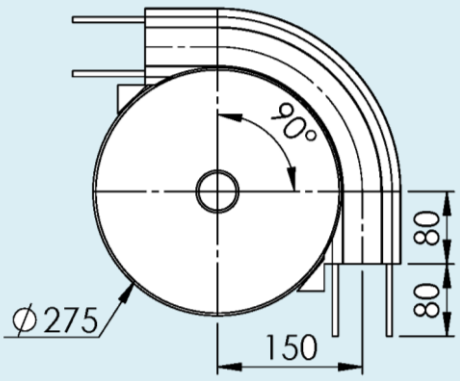
FLBH 60R150A with protective cover



Horizontal wheel bend, 90°

FLBH 90R150 Radius to centre of chain 150 mm

FLBH 90R150A with protective cover

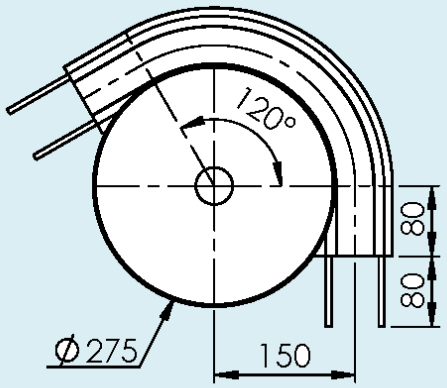


FL-Horizontal wheel bends

Horizontal wheel bend, 120°

FLBH 120R150 Radius to centre of chain 150 mm

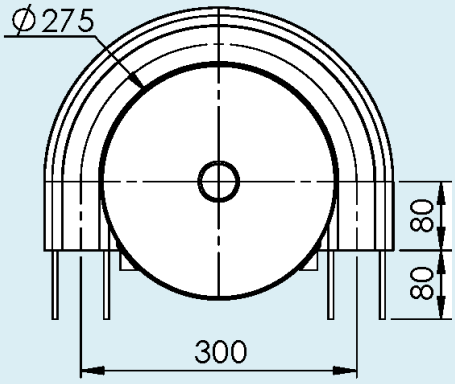
FLBH 120R150A with protective cover



Horizontal wheel bend, 180°

FLBH 180R150 Radius to centre of chain 150 mm

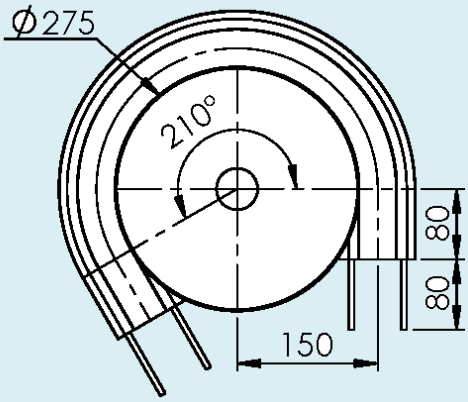
FLBH 180R150A with protective cover



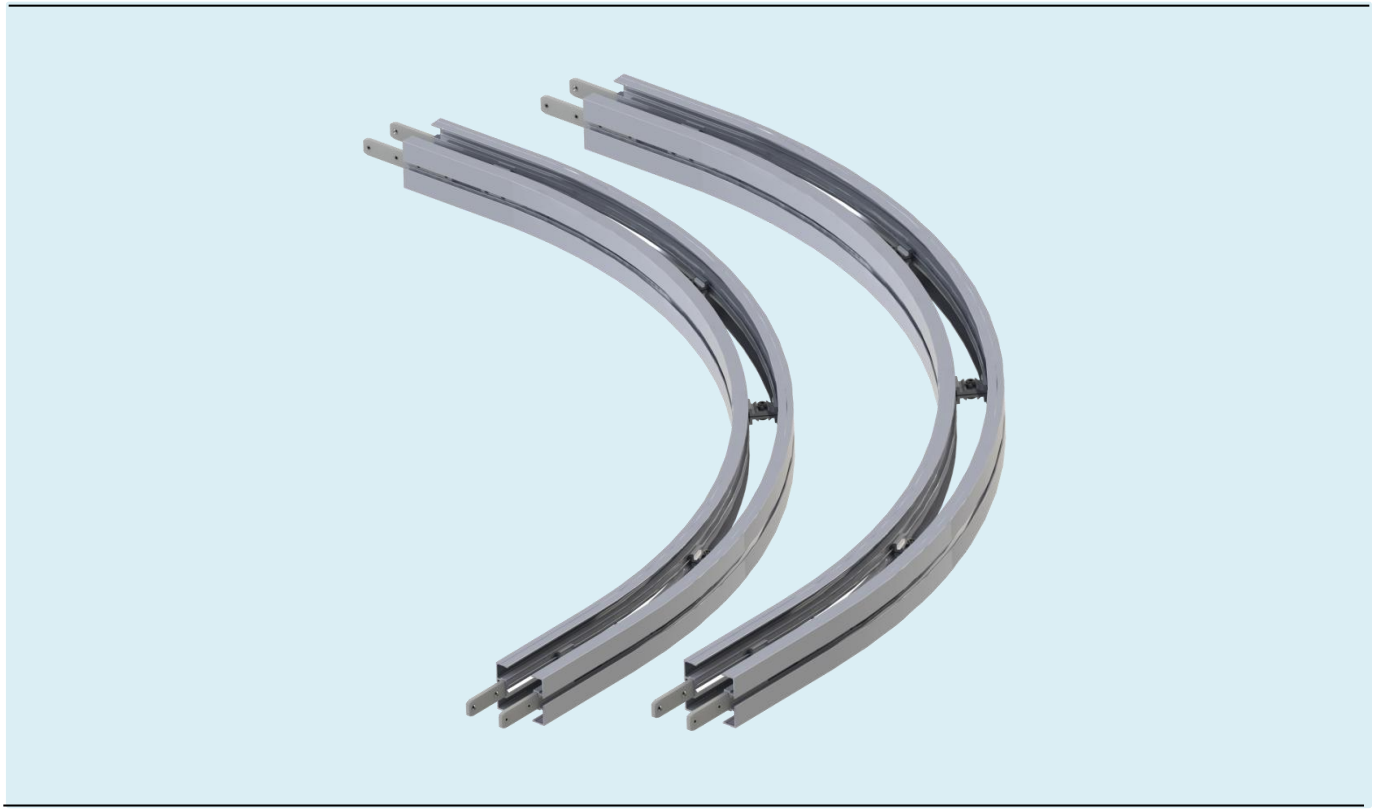
Horizontal wheel bend, 210°

FLBH 210R150 Radius to centre of chain 150 mm

FLBH 210R150A with protective cover



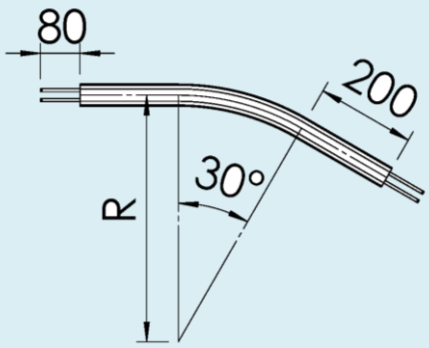
Horizontal plain bends



Horizontal plain bends

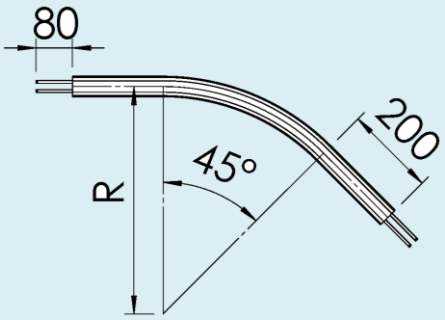
Horizontal plain bend, 30°
Radius to centre of beam:

FLBP 30R500	R=500 mm
FLBP 30R700	R=700 mm
FLBP 30R1000	R=1000mm



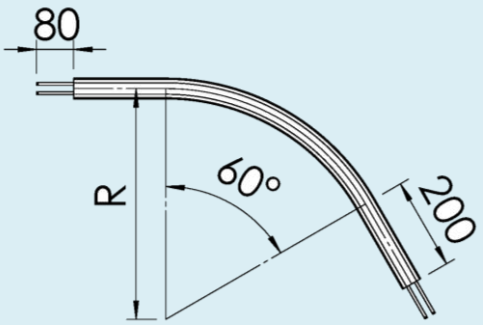
Horizontal plain bend, 45°
Radius to centre of beam:

FLBP 45R500	R=500 mm
FLBP 45R700	R=700 mm
FLBP 45R1000	R=1000mm



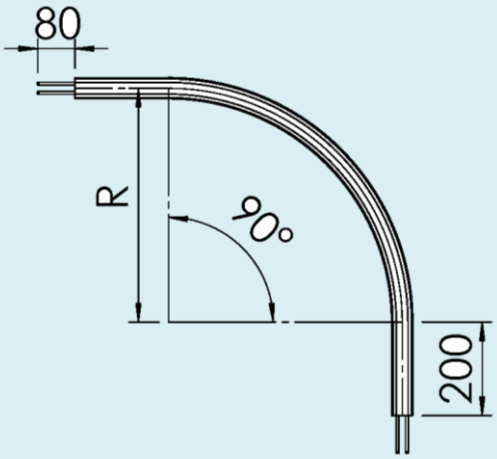
Horizontal plain bend, 60°
Radius to centre of beam:

FLBP 60R500	R=500 mm
FLBP 60R700	R=700 mm
FLBP 60R1000	R=1000mm



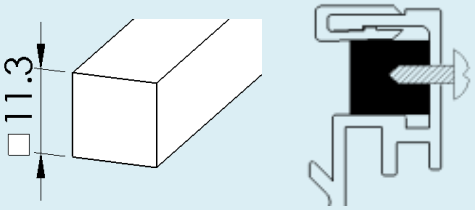
Horizontal plain bend, 90°
Radius to centre of beam:

FLBP 90R500	R=500 mm
FLBP 90R700	R=700 mm
FLBP 90R1000	R=1000mm



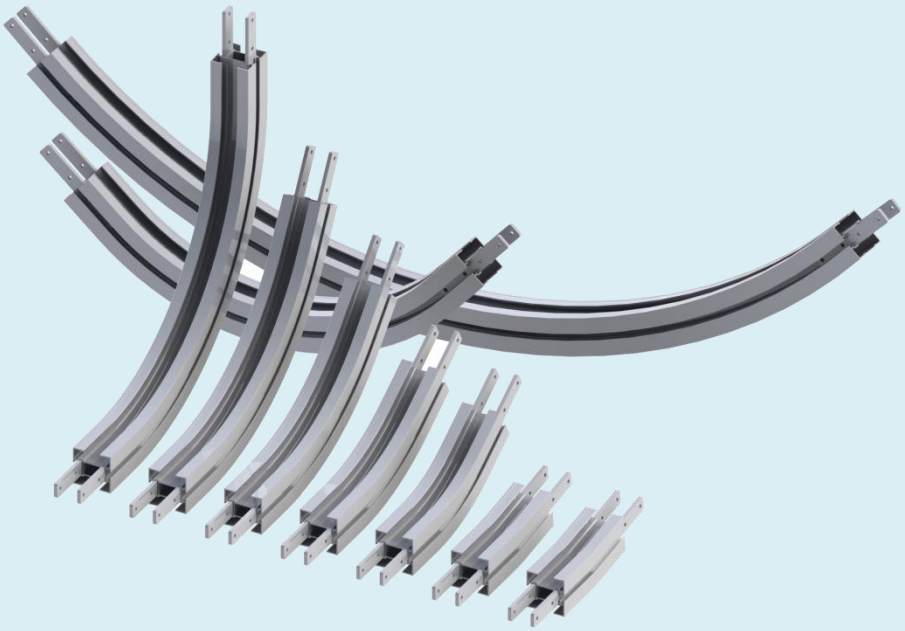
Support rail for plain bends

F5048390	Length 2.4mt



* Note: Special angles on request.

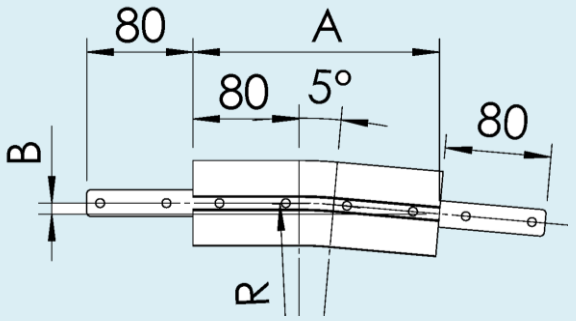
Vertical bends



Vertical bends

Vertical bend, 5°
Radius to centre of beam:

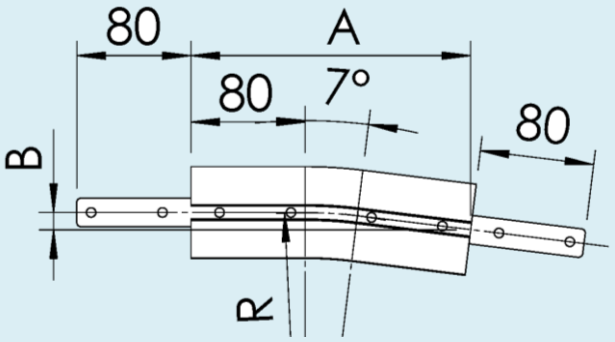
FLBV 5R300 R=300 mm
FLBV 5R400 R=400 mm



	R	A	B
FLBV 5R300	300	186	8
FLBV 5R400	400	195	9

Vertical bend, 7°
Radius to centre of beam:

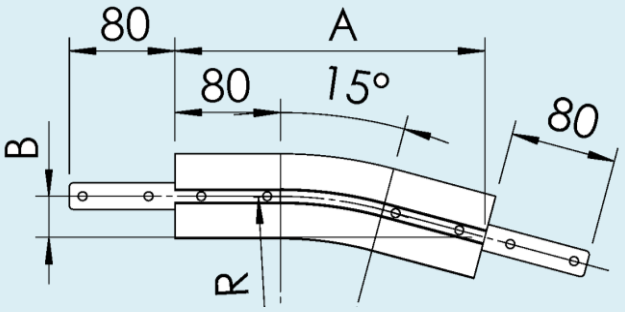
FLBV 7R300 R=300 mm
FLBV 7R400 R=400 mm



	R	A	B
FLBV 7R300	300	196	12
FLBV 7R400	400	208	13

Vertical bend, 15°
Radius to centre of beam:

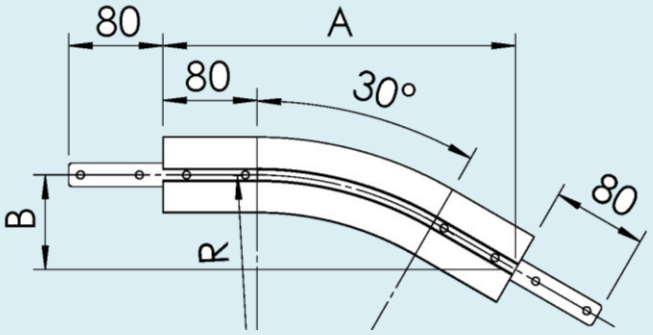
FLBV 15R300 R=300 mm
FLBV 15R400 R=400 mm



	R	A	B
FLBV 15R300	300	235	31
FLBV 15R400	400	261	34

Vertical bend, 30°
Radius to centre of beam:

FLBV 30R300 R=300 mm
FLBV 30R400 R=400 mm



	R	A	B
FLBV 30R300	300	299	80
FLBV 30R400	400	349	94

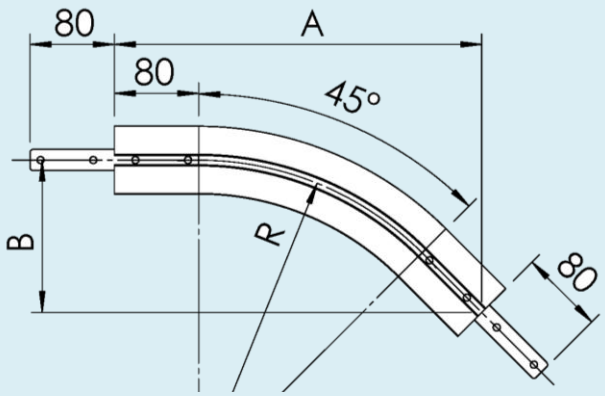
* Note: Special angles on request.

Vertical bends

Vertical bend, 45°
Radius to centre of beam:

FLBV 45R300 R=300 mm
FLBV 45R400 R=400 mm
FLVB 45R1000 R=1000 mm

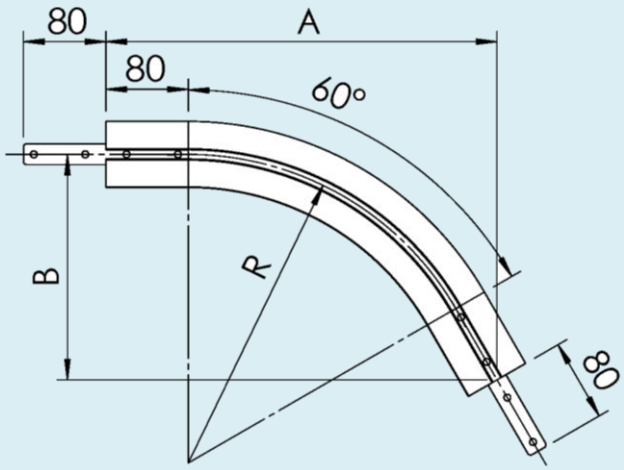
	R	A	B
FLBV 45R300	300	349	145
FLBV 45R400	400	419	174
FLBV 45R1000	1000	844	350



Vertical bend, 60°
Radius to centre of beam:

FLBV 60R300 R=300 mm
FLBV 60R400 R=400 mm

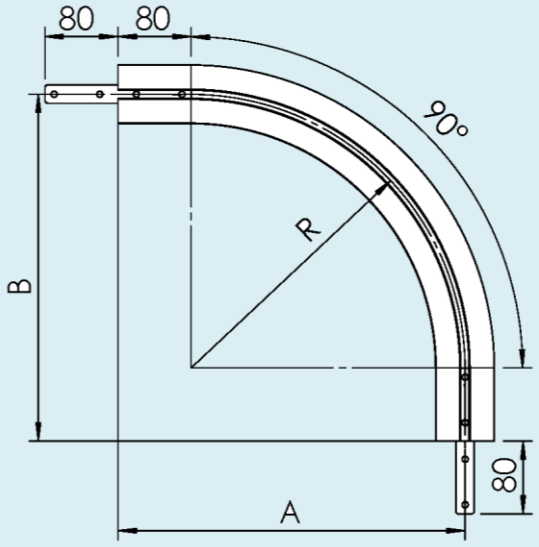
	R	A	B
FLBV 60R300	300	380	219
FLBV 60R400	400	466	269



Vertical bend, 90°
Radius to centre of beam:

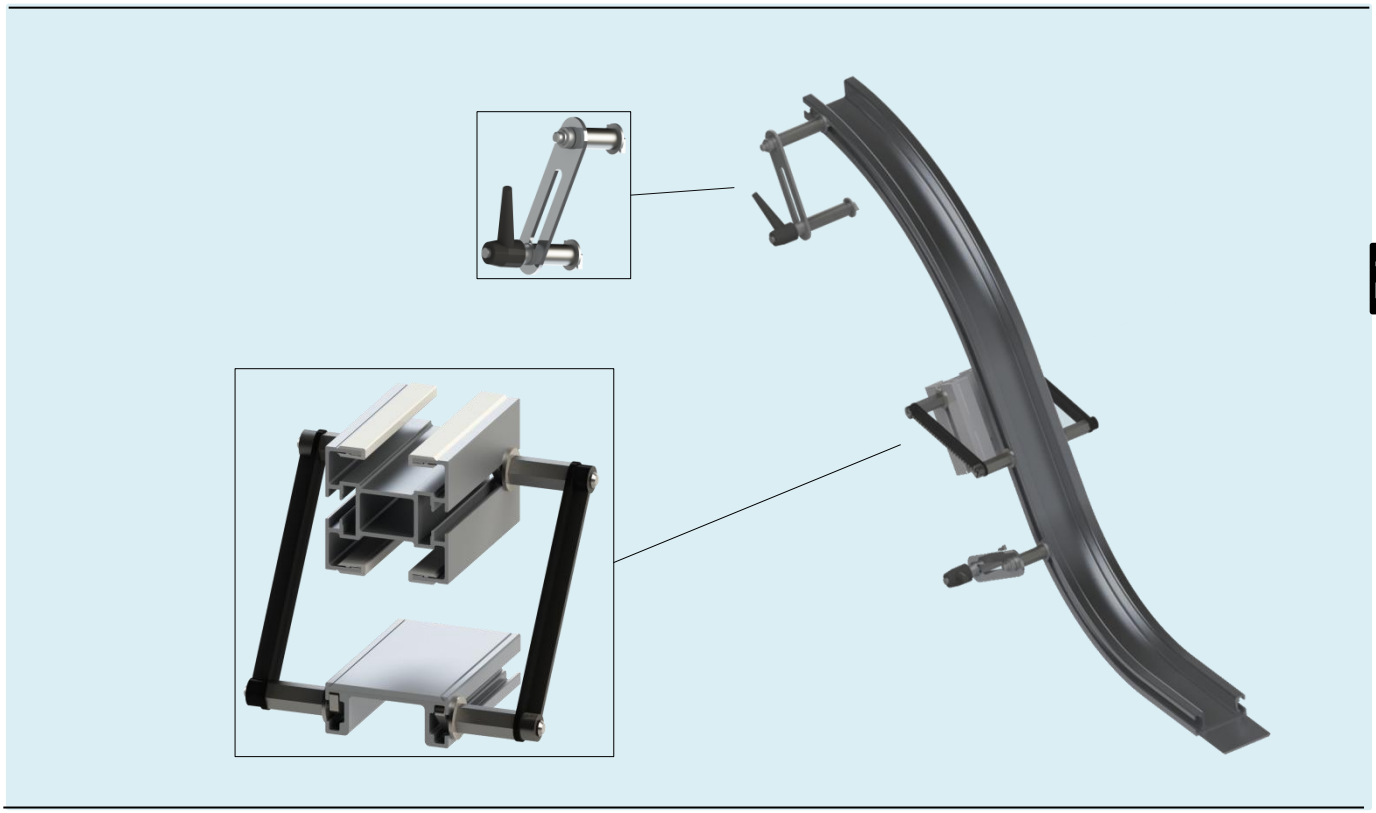
FLBV 90R300 R=300 mm
FLBV 90R400 R=400 mm

	R	A	B
FLBV 90R300	300	380	380
FLBV 90R400	400	480	480
FLVB 90R1000	1000	1080	1080



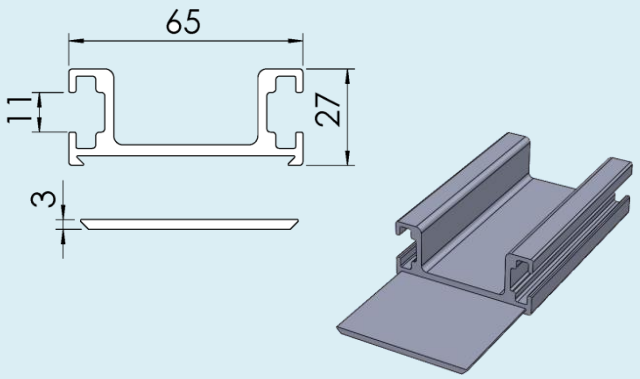
* Note: Special angles on request.

Front piece

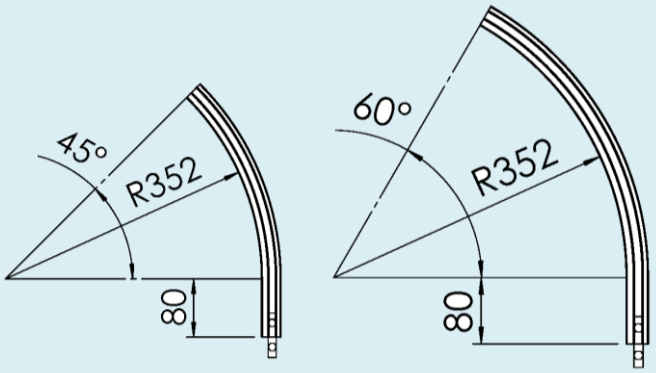


Front piece

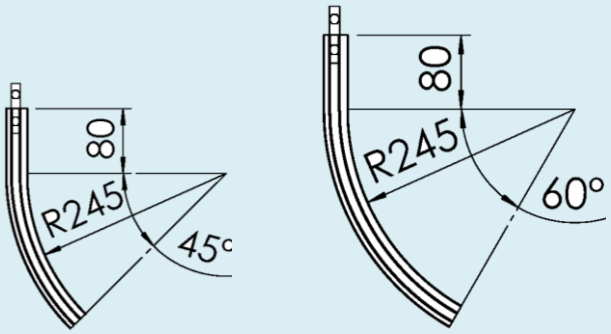
FLVF 3	Front piece Length 3 mt
FLVG 2	Sliding strip for front piece Length 2 mt



FLVA 45R352	Upper bend, 45° Radius 352 mm Includes connecting strip with screws
FLVA 60R352	Upper bend, 60° Radius 352 mm Includes connecting strip with screws

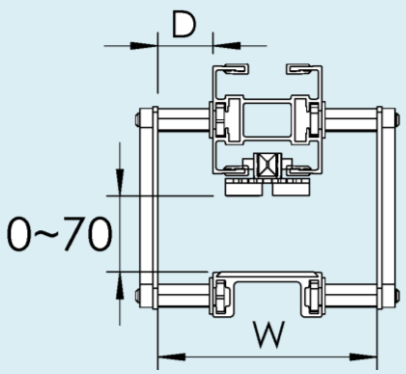


FLVB 45R245	Lower bend, 45° Radius 245 mm Includes connecting strip with screws
FLVB 60R245	Lower bend, 60° Radius 245 mm Includes connecting strip with screws



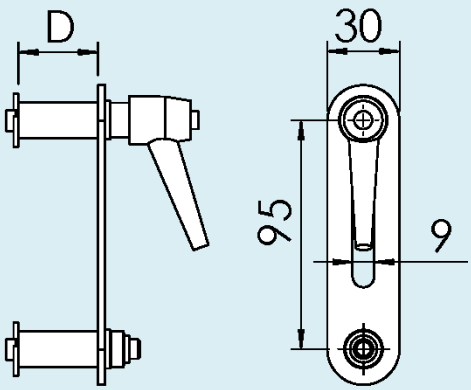
FLVK 33	Linkage kit for front piece W=130 mm D = 33 mm
FLVK 58	Linkage kit for front piece W=180 mm D = 58 mm

Kit includes two support pairs and one Locking device.

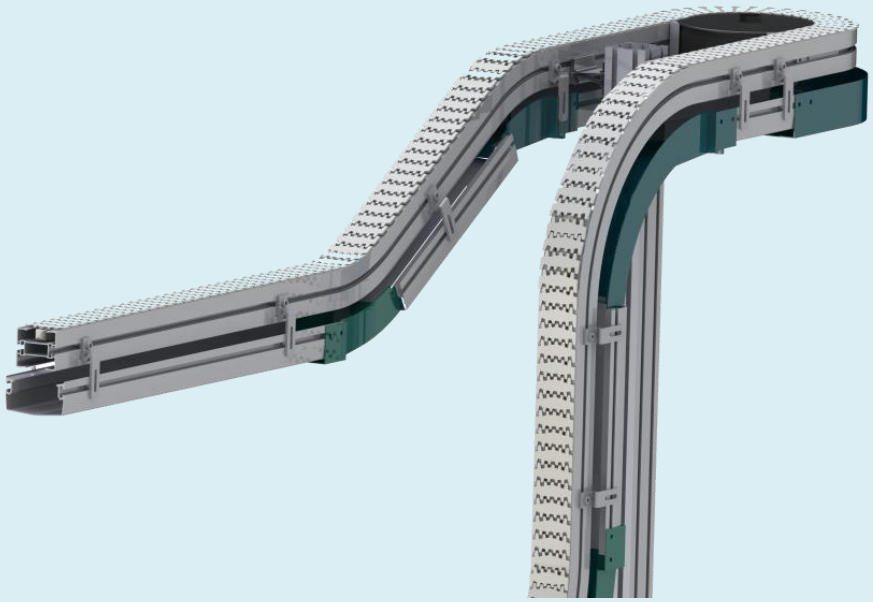


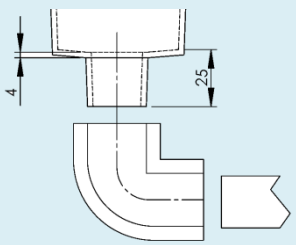
Front piece

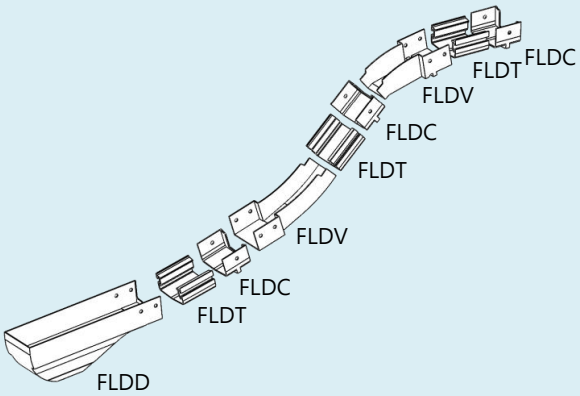
FLVS 33	Bend support D= 33 mm
FLVS 58	Bend support D= 58 mm



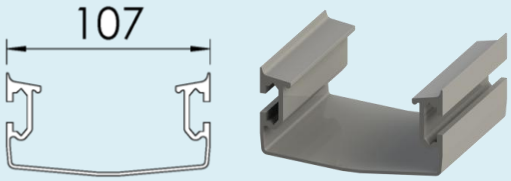
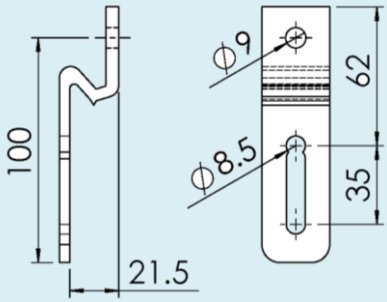
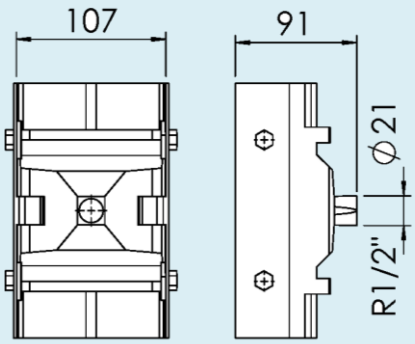
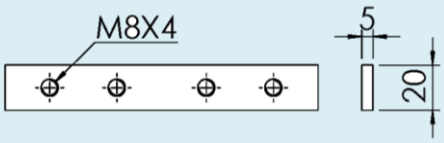
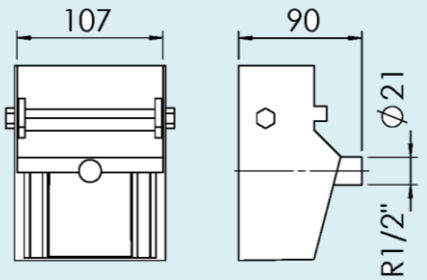
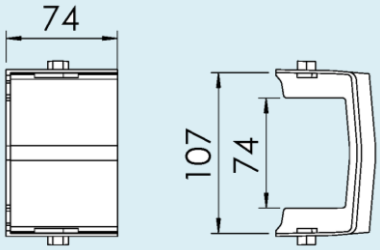
Drip trays and drip chatchers





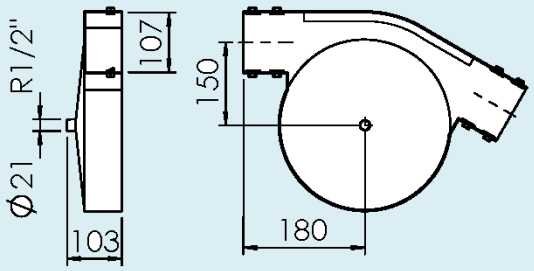


Drip trays

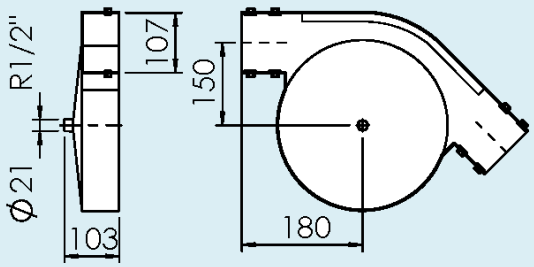
FLDT 3x107 B	Drip tray Length 3 mt	
FLDB 21X100	Drip tray bracket	
FLDJ 107 B	Drip tray connector With drip outlet Including screw kit	
FLCJ 5X140	Connecting strip with set screws Length 140 mm	
FLDE 107 B	End pan for drip tray With drip outlet Including screw kit	
FLDC 107 B	End cap for drip tray Including screw kit	

Drip pans

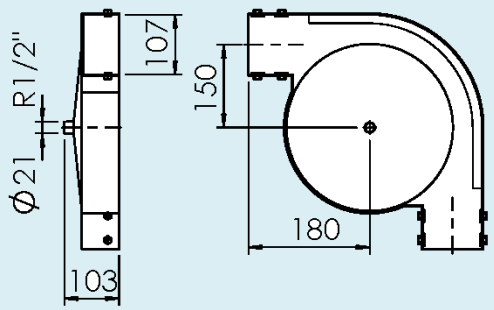
FLDH 30X107B Drip pan for horizontal wheel bend 30° Including screw kit



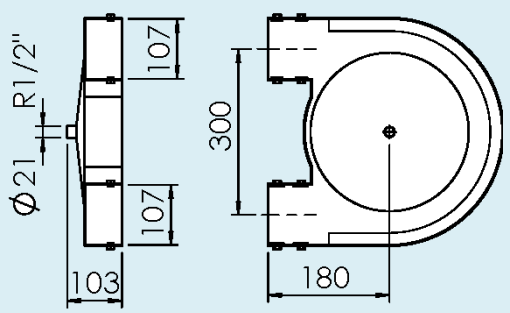
FLDH 45X107B Drip pan for horizontal wheel bend 45° Including screw kit



FLDH 90X107B Drip pan for horizontal wheel bend 90° Including screw kit



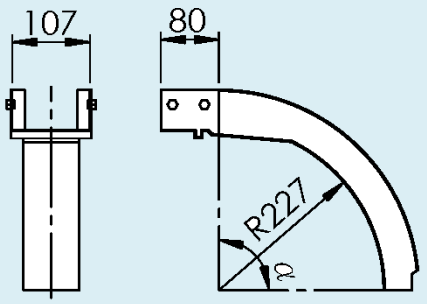
FLDH 180X107B Drip pan for horizontal wheel bend 180° Including screw kit



Drip pans

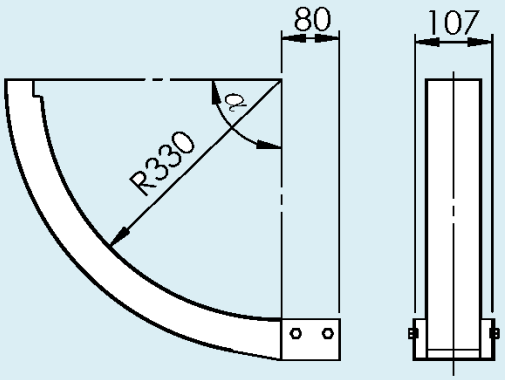
Drip pan, upper,
for vertical bend
Including screw kit

FLDV 30X107 BU α=30°
FLDV 45X107 BU α=45°
FLDV 90X107 BU α=90°
FLDV 180X107 BU α=180°

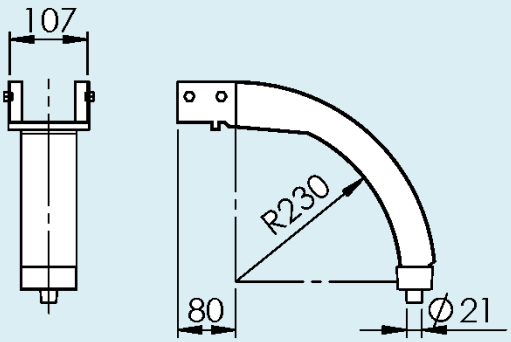


Drip pan, lower,
for vertical bend
Including screw kit

FLDV 30X107 BL α=30°
FLDV 45X107 BL α=45°
FLDV 90X107 BL α=90°
FLDV 180X107 BL α=180°

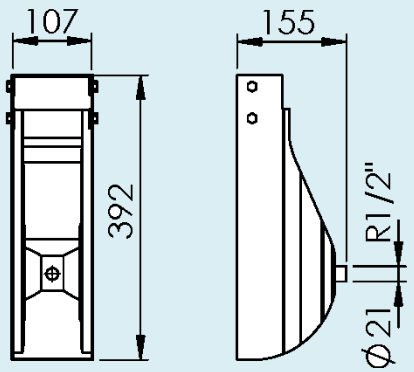


FLDV 90X107 B Drip pan, upper, for 90° vertical bend
With drip outlet
Including screw kit



End pan for idler end unit

FLDD 107 B End pan for idler end unit
With drip outlet
Including screw kit



Contents

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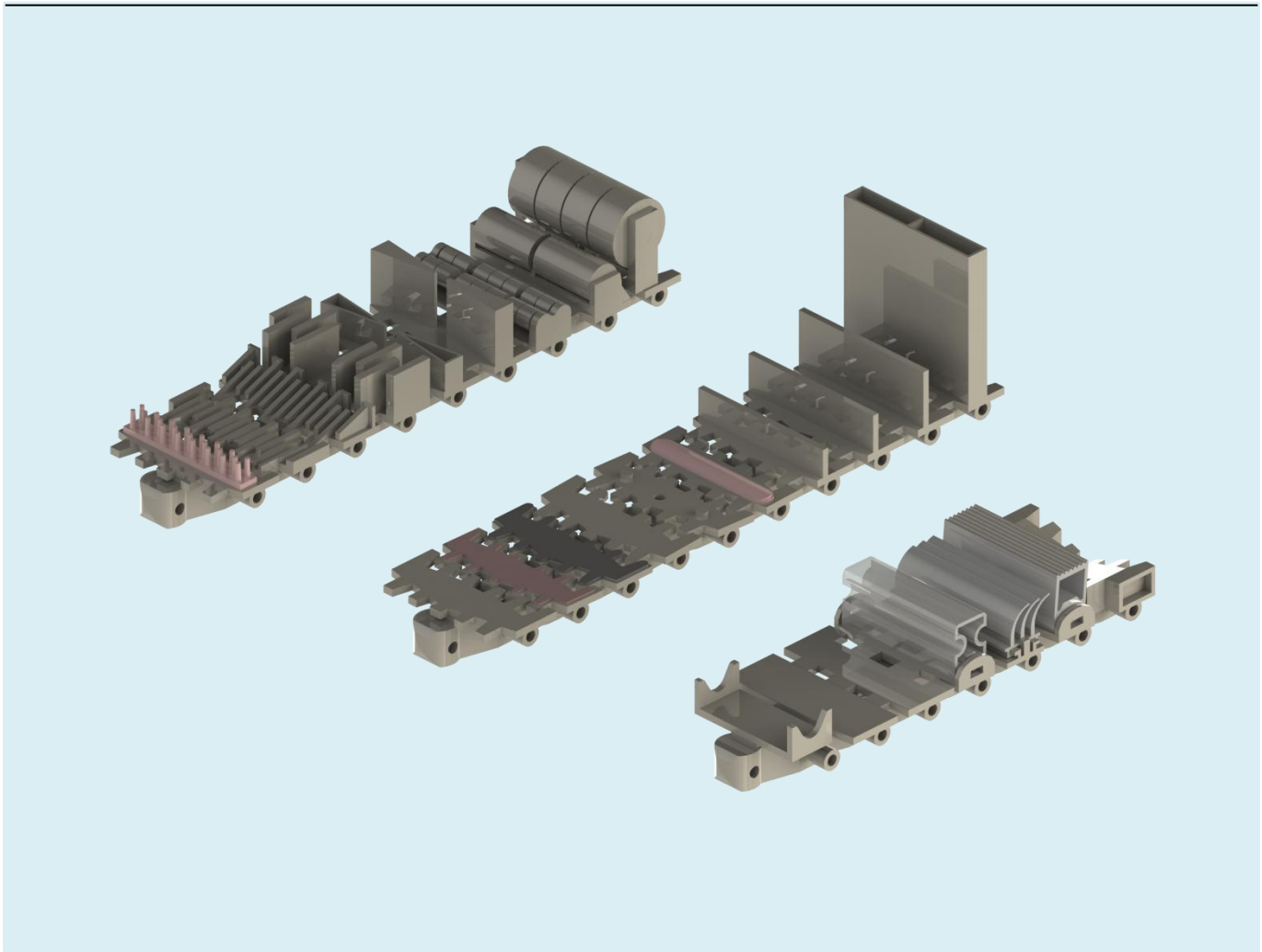
Idler unit 17
Horizontal wheel bends 18
Horizontal plain bend 21
Vertical bends 23
Front piece 25
Drip trays and drip chatchers 27

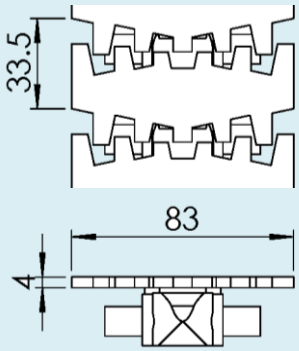
Chains



Chain

Plain chain

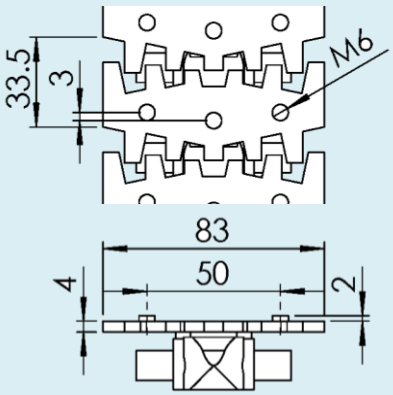
FMTP 5	Plain chain Length 5 mt
FMTL 83	Plain link



Universal chain

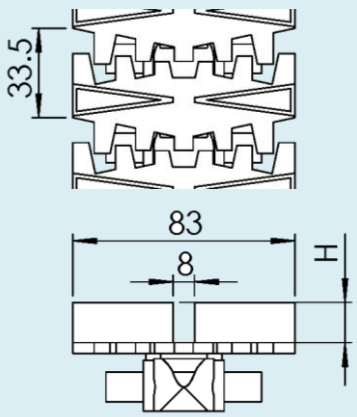
FMTF 5 U...	Length 5 mt
FMTL 83 U	Universal link

The link has a hole for an M6 screw. M6 nut will fit inside the link.



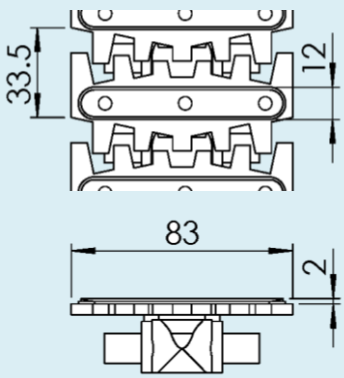
Cleated chain

	Cleated chain Type A Length 5 mt
FMTF 5X15 A...	H=15 mm
FMTF 5X30 A...	H=30 mm
	Cleated link
FMTL 83X15 A	H=15 mm
FMTL 83X30 A	H=30 mm



Friction top chain

FMTP 5 F...	Friction top chain Length 5 mt
FMTL 83 F	Friction top link



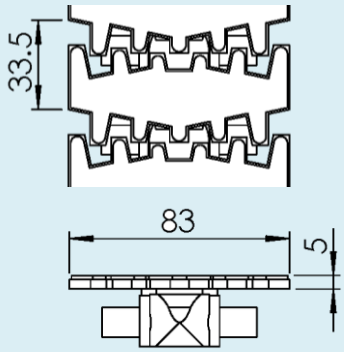
FM

Chain

Steel top chain

FMTP 5 TF Steel top link
Length 5 mt

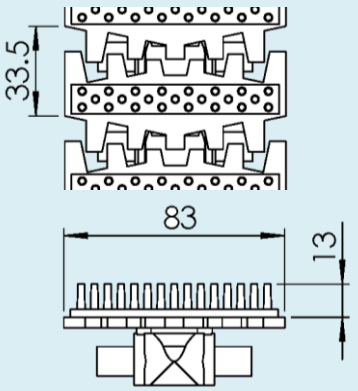
FMTL 83 TF Steel top link



Flexible cleat chain

FMTE 5 B Flexible cleat chain Type B
Length 5 mt

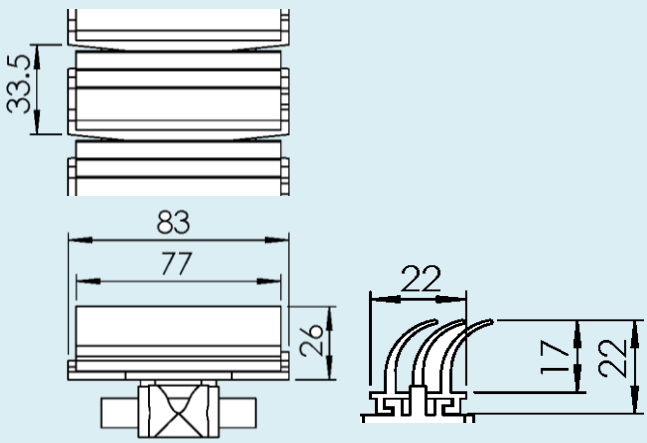
FMTE 83 B Flexible cleat link



FMTE 5 C Flexible cleat chain Type C, Length 5 mt

FMTM 83 C Flexible cleat link assembly. Type C (link base and flexible cleat top)

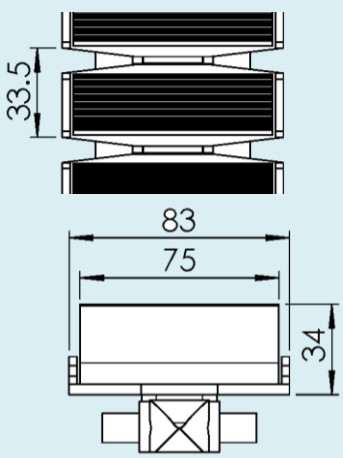
FMTX 78 C Flexible cleat top (replacement)



FMTE 5 D Flexible cleat chain Type D, Length 5 mt

FMTM 83 D Flexible cleat link assembly. Type D (link base and cleat top)

FMTX 75 D Flexible cleat top (replacement)

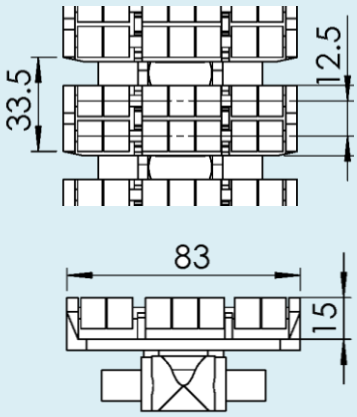


Chain

Roller top chain

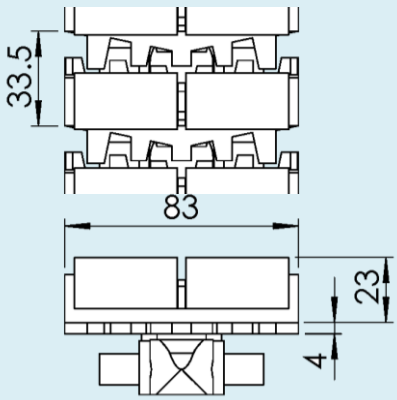
FMTR 5 Roller top chain
Length 5 mt

FMTL 83 R Roller top link
This link cannot be combined with plain links



FMTF 5X23 R... Chain with roller cleats
Length 5 mt

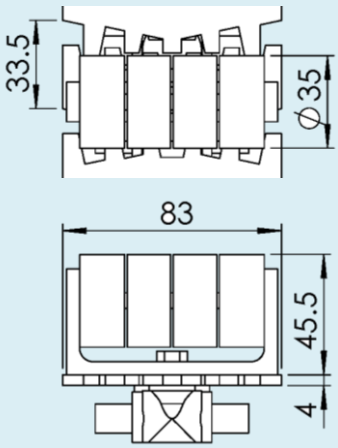
FMTL 83X23 R Link with roller cleats



FMTF 5X46 R... Chain with roller cleats
Length 5 mt

FMTL 83X46 R Link with roller cleats

Note. This type of chain requires minimum one plain link between every cleated link.



Tools and accessories

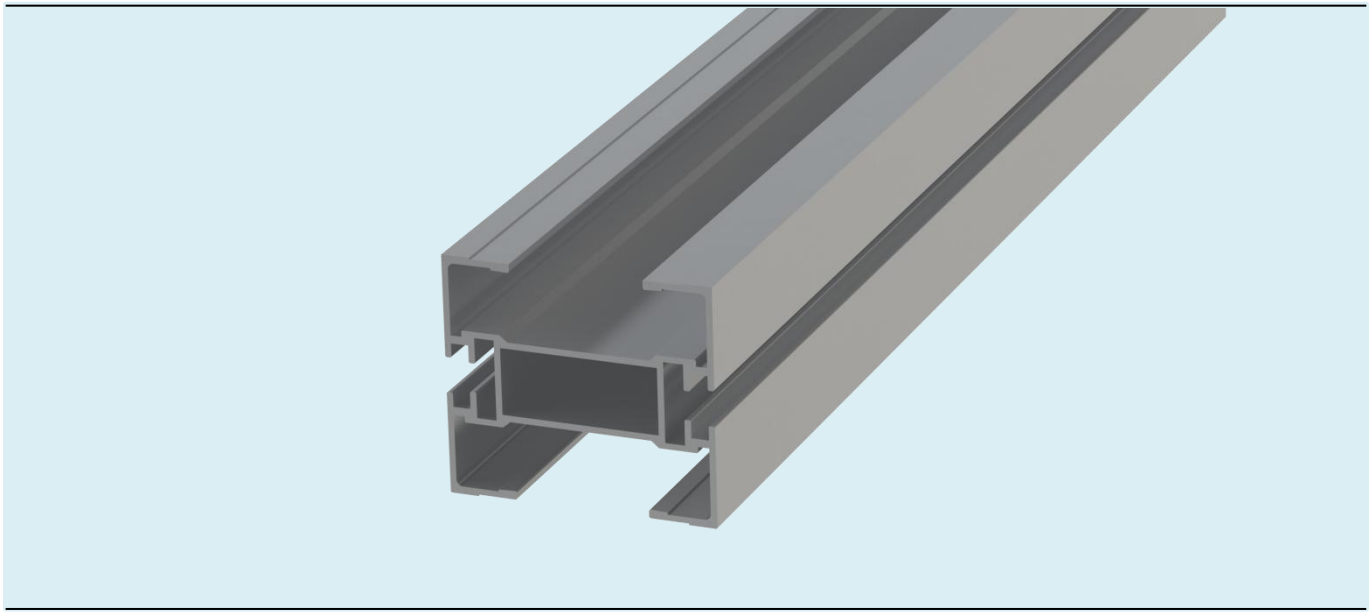
FMTT 13X16 Plastic pivot

FMTD 6X50 Steel pin

FMMJ 6 Pin insertion tool

FDSS 450 Silicone-based lubricant

Conveyor beam



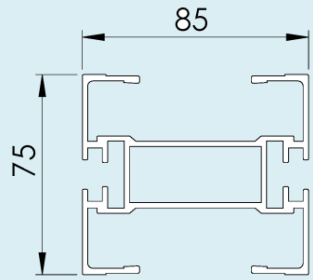
Conveyor beam

modular automation®

FM

Beam

FMCB 3 Length 3 m



Slide rail Length 25 m

FLCR 25 HDPE Black
FLCR 25U UHMW White
FLCR 25P PVDF White
FLCR 25H HDPE+PE6 Gray

FLAH 4X6A Aluminium rivet
FLAH 4X8A Aluminium rivet

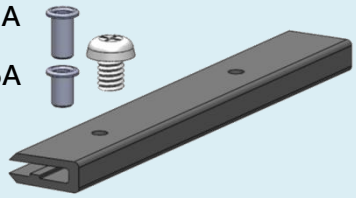
FLAG 5 Plastic screw

FLCR 25 **FLCR 25H** **FLCR 25U/FLCR 25P**

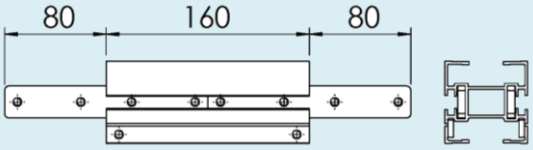
FLAG 5

FLAH 4X8A

FLAH 4X6A

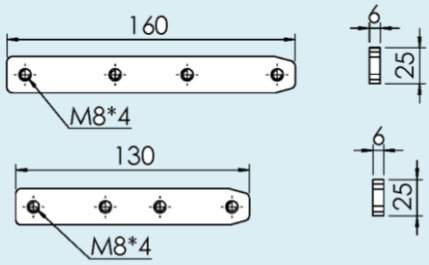


FMCC 160 Beam section for chain installation ,including connection strips and screws



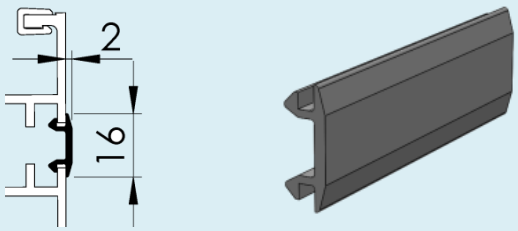
Connecting strip with set screws

FLCJ 6X130 Length 130 mm
FLCJ 6X160 Length 160 mm



T-slot cover

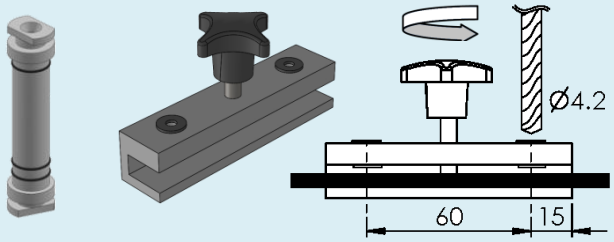
FLAB 50 Length 50 m



F3920500 Drill fixture for slide rail

FMMR 140 Mounting tool

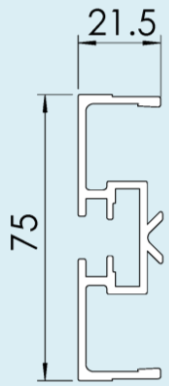
FMMR 140 **F3920500**



Conveyor beam

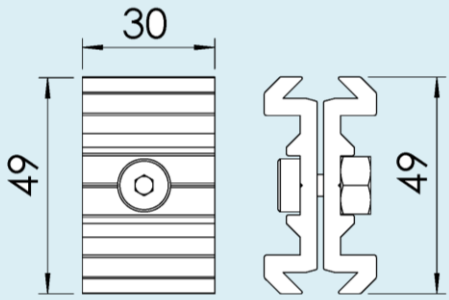
Half beam

FMCB 3H Length 3 m

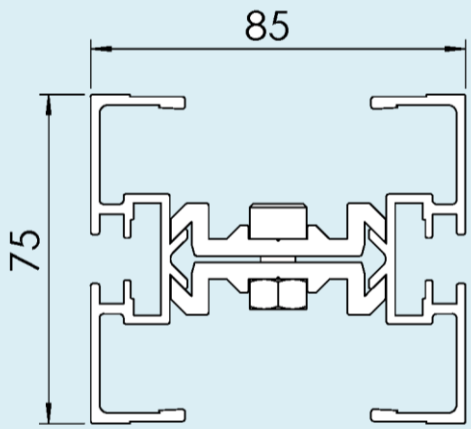


Beam clip

FMCE 49X30

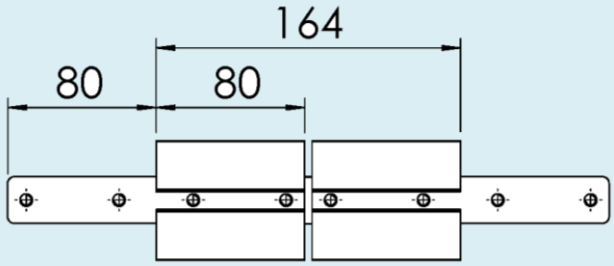


Split Conveyor beam assembled
Length 3mt



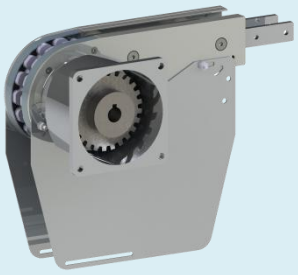
Articulated beam section

FMCH 5V Articulated beam section, vertical



Slide rail: see “Conveyor beam” .

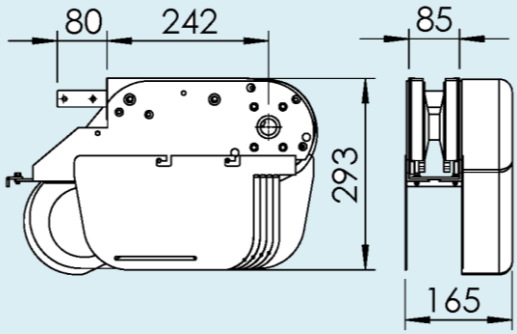
End drive units



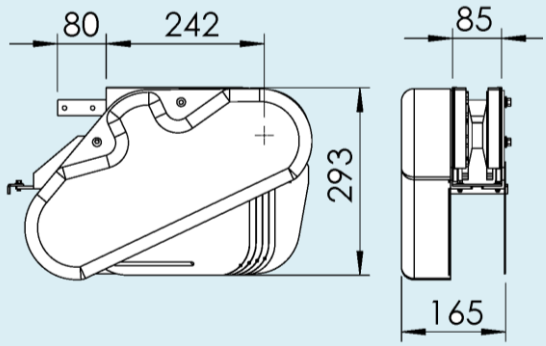
Direct drive

End drive units

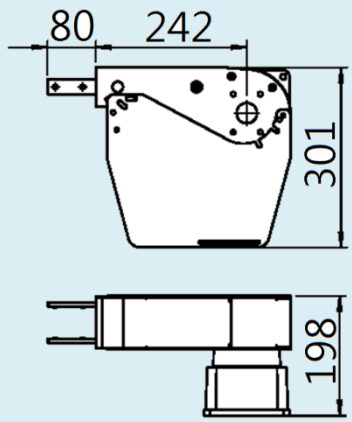
FMEB 0HLA Drive unit
Transmission on
left-hand side



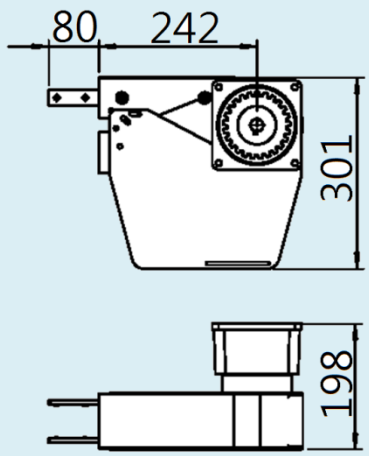
FMEB 0HRA Drive unit
Transmission on
right-hand side



FMEB 0HLPA Drive unit
Direct drive,
left-hand side

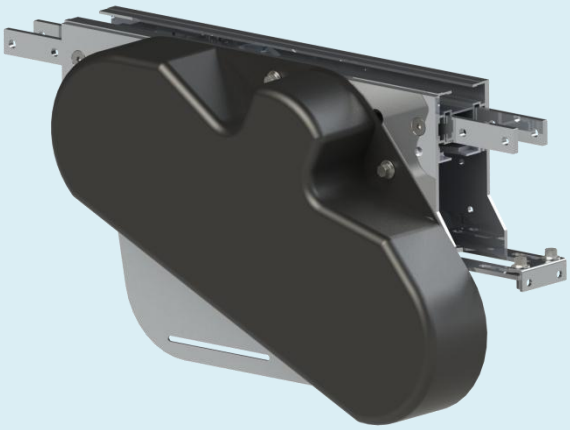


FMEB 0HRPA Drive unit
Direct drive,
right-hand side

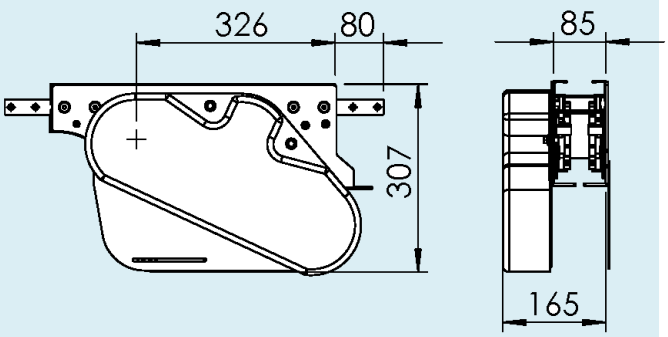


FM

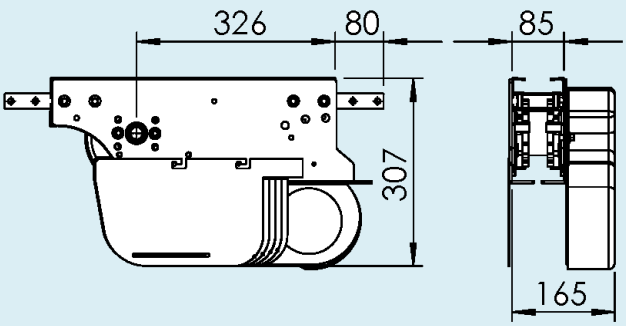
Intermediate drive units



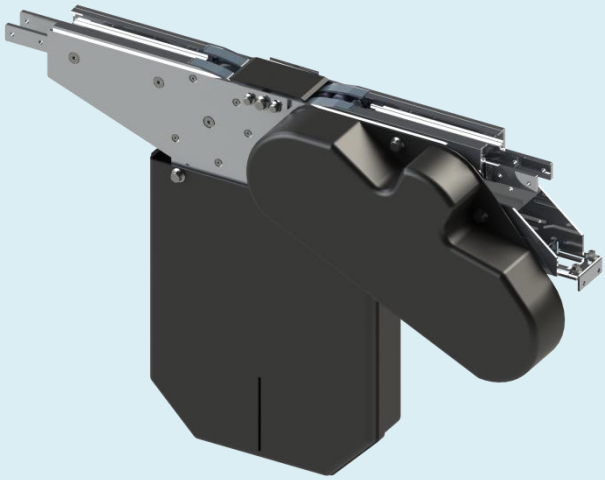
FMER 0HL Drive unit
Transmission on
left-hand side



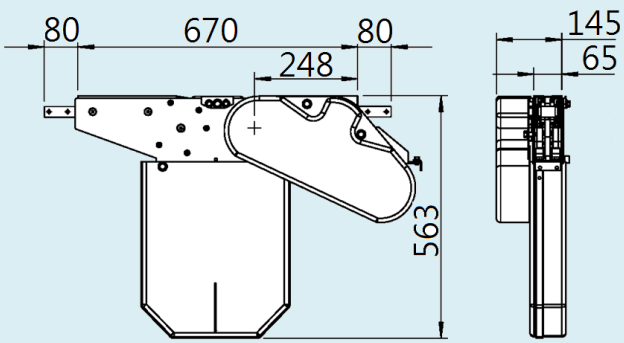
FMER 0HR Drive unit
Transmission on
right-hand side



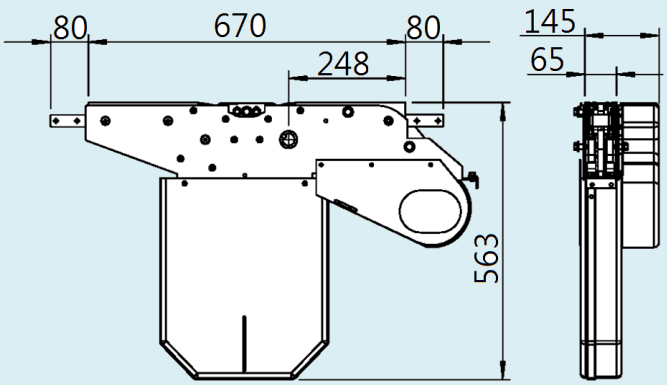
Catenary drive units



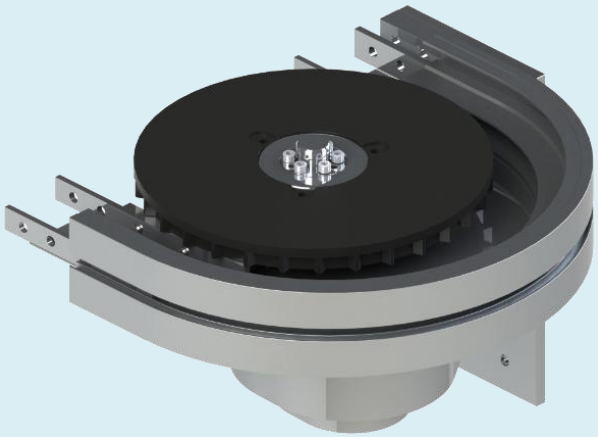
FMEC 0HL Drive unit
Transmission on
left-hand side



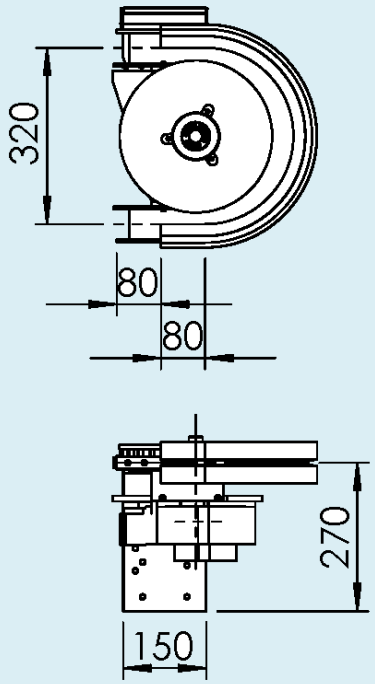
FMEC 0HR Drive unit
Transmission on
right-hand side



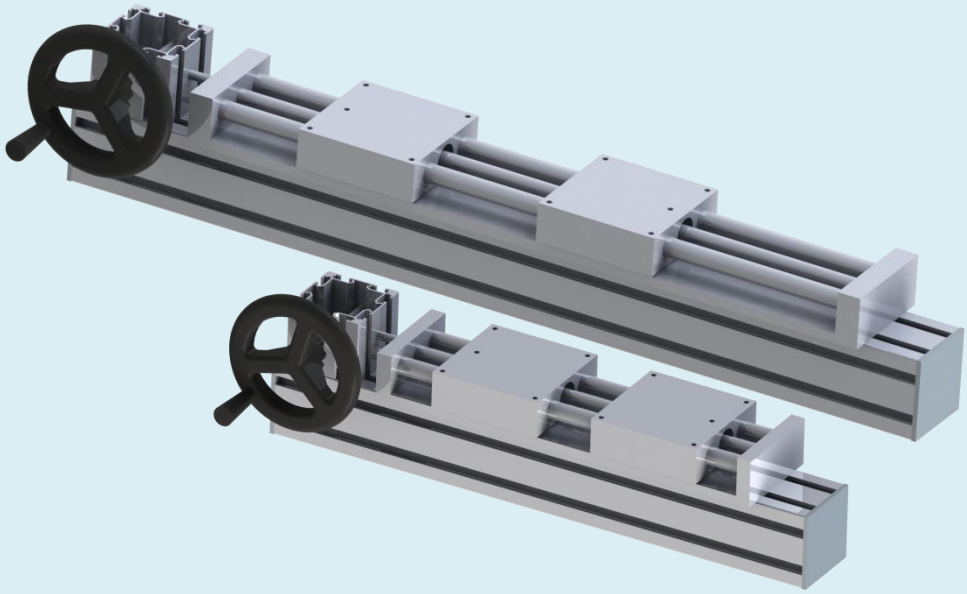
Horizontal bend drive unit



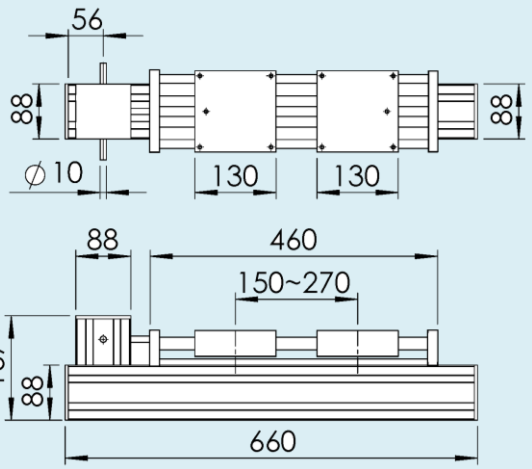
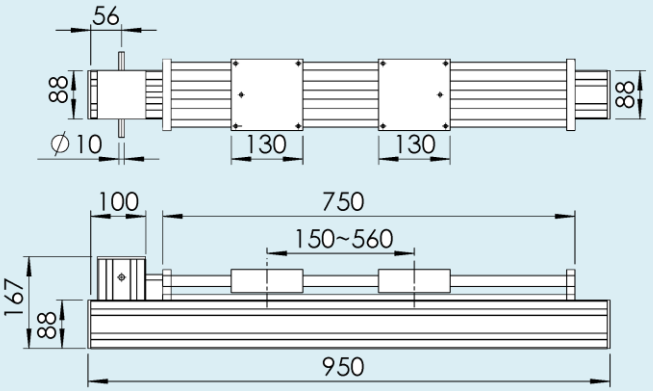
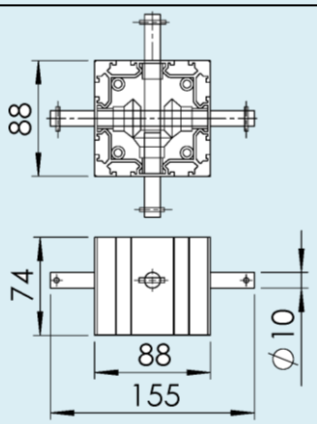
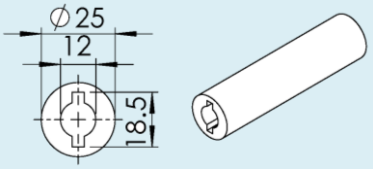
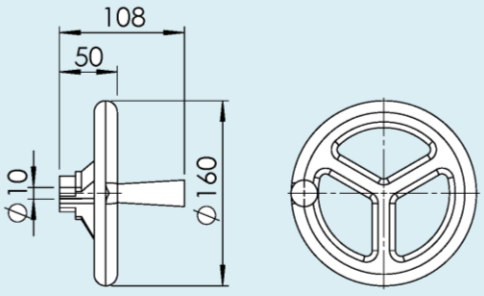
FMEW 180/0H Horizontal bend drive unit, 180°



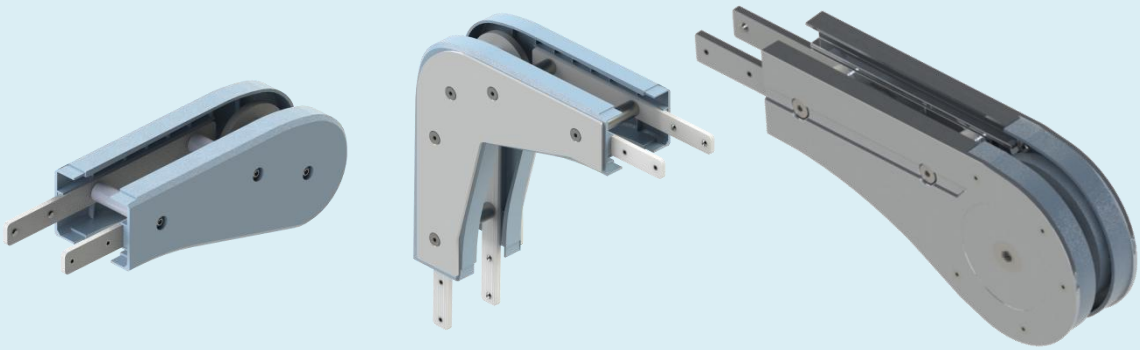
Components for track width adjustment

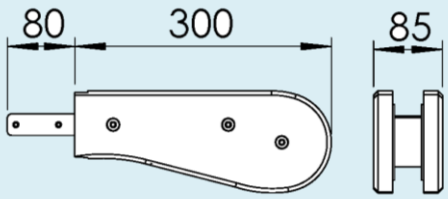
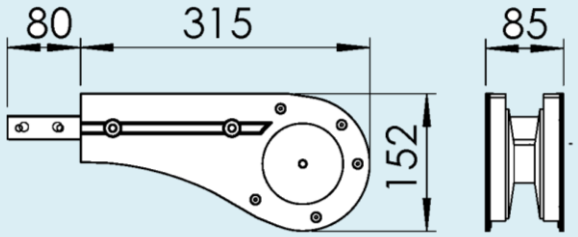
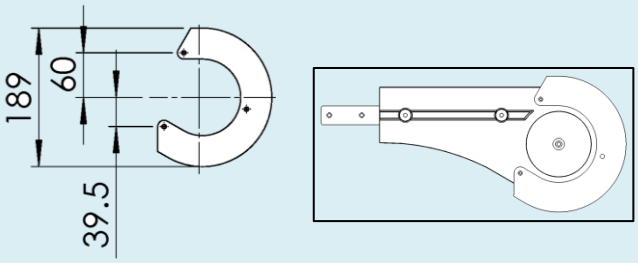
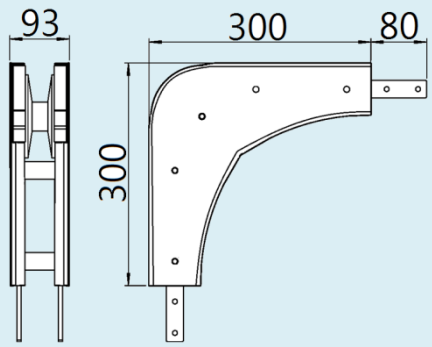


Width adjustment actuator

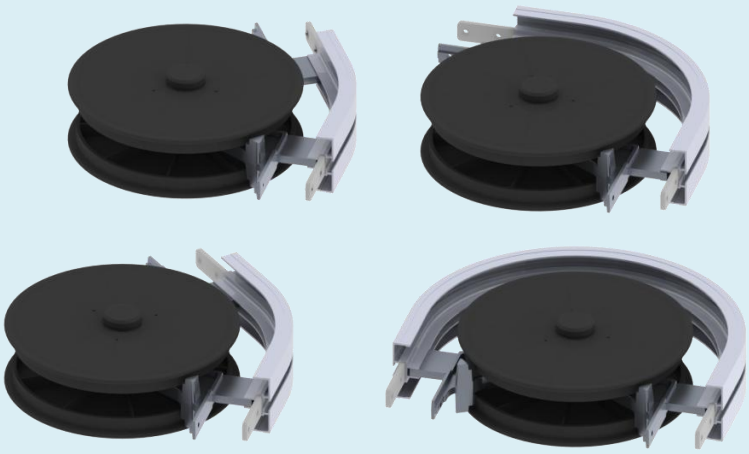
FCLA 660 A	Width adjustment actuator Length 660 mm Including beam and angle gear unit	
FCLA 950 A	Width adjustment actuator Length 950 mm Including beam and angle gear unit	
FCFW 90	Angle gear unit	
FLFX 3	Shaft Length 3 mt	
FLAW 160X10	Handwheel for 10 mm shaft, diameter 160 mm	

Idler end units



FMEJ 300	Idler end unit	
FMEJ 315	Idler end unit	
FMSJ 189	Protective cover for idler end nit	
FMEK 90R50	Idler bend unit, 90 ° Cannot be used with a return chain	

Horizontal wheel bends

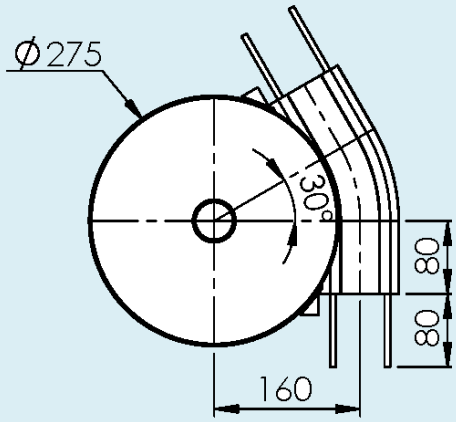


FM-Horizontal wheel bends

Horizontal wheel bend, 30°

FMBH 30R160 Radius to centre of chain 160 mm

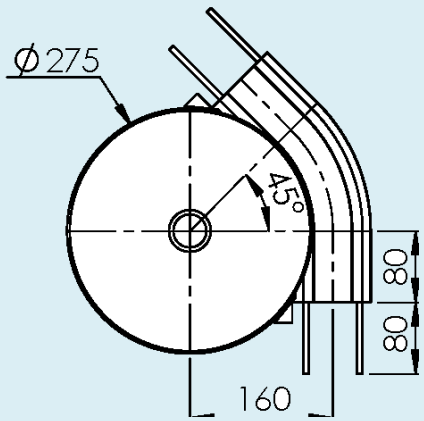
FMBH 30R160A with protective cover



Horizontal wheel bend, 45°

FMBH 45R160 Radius to centre of chain 160 mm

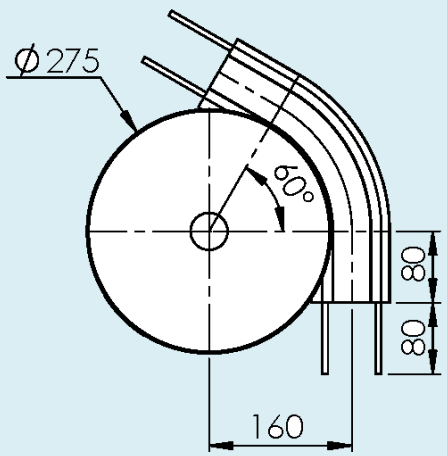
FMBH 45R160A with protective cover



Horizontal wheel bend, 60°

FMBH 60R160 Radius to centre of chain 160 mm

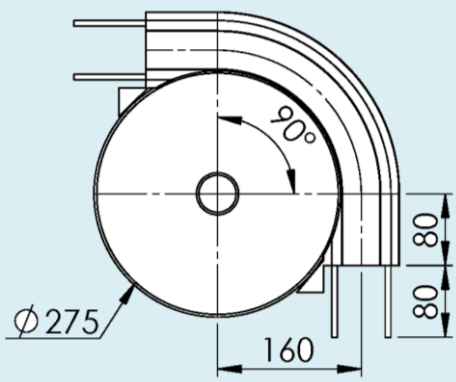
FMBH 60R160A with protective cover



Horizontal wheel bend, 90°

FMBH 90R160 Radius to centre of chain 160 mm

FMBH 90R160A with protective cover

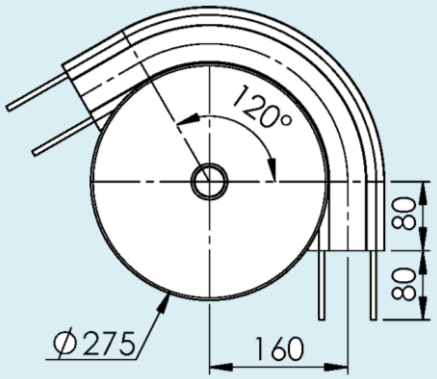


FM-Horizontal wheel bends

Horizontal wheel bend, 120°

FMBH 120R160 Radius to centre of chain 160 mm

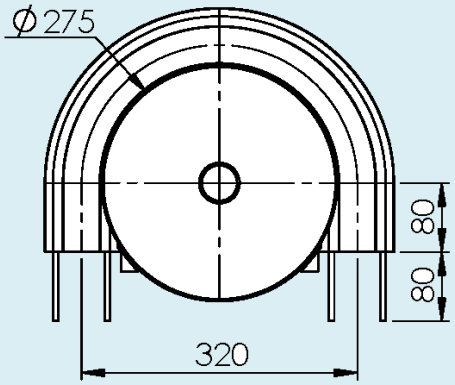
FMBH 120R160A with protective cover



Horizontal wheel bend, 180°

FMBH 180R160 Radius to centre of chain 160 mm

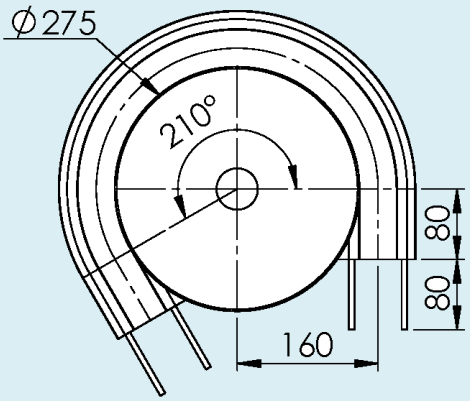
FMBH 180R160A with protective cover



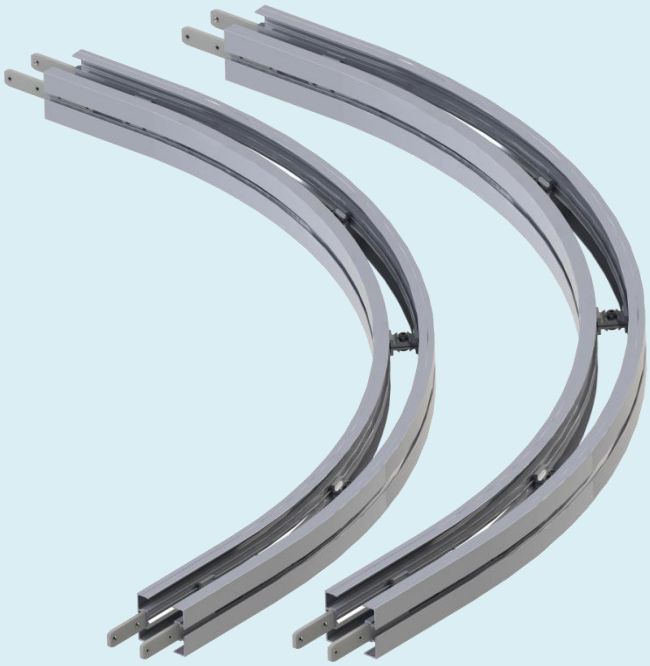
Horizontal wheel bend, 210°

FMBH 210R160 Radius to centre of chain 160 mm

FMBH 210R160A with protective cover



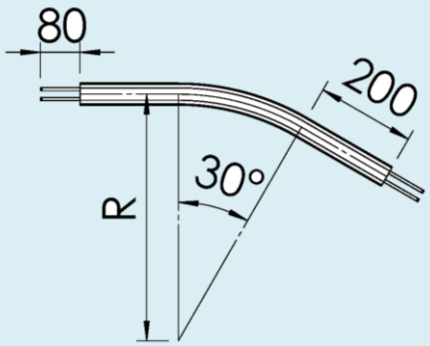
Horizontal plain bends



Horizontal plain bends

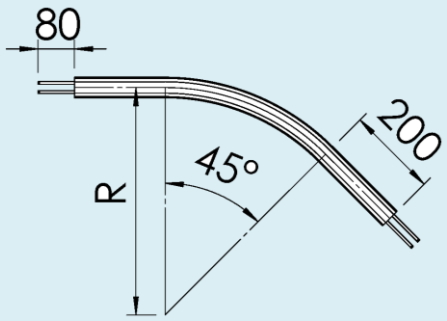
Horizontal plain bend, 30°
Radius to centre of beam:

FMBP 30R500	R=500 mm
FMBP 30R700	R=700 mm
FMBP 30R1000	R=1000mm



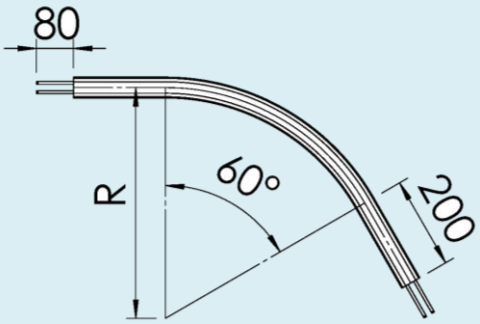
Horizontal plain bend, 45°
Radius to centre of beam:

FMBP 45R500	R=500 mm
FMBP 45R700	R=700 mm
FMBP 45R1000	R=1000mm



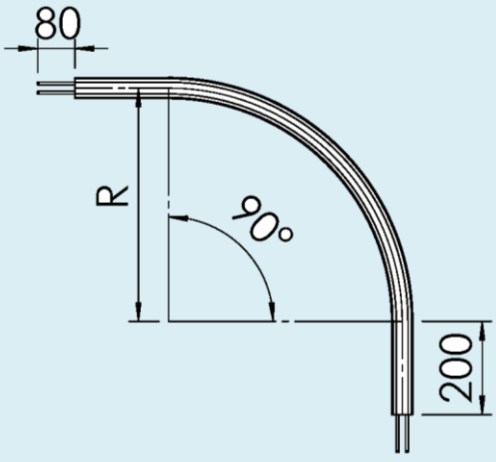
Horizontal plain bend, 60°
Radius to centre of beam:

FMBP 60R500	R=500 mm
FMBP 60R700	R=700 mm
FMBP 60R1000	R=1000mm



Horizontal plain bend, 90°
Radius to centre of beam:

FMBP 90R500	R=500 mm
FMBP 90R700	R=700 mm
FMBP 90R1000	R=1000mm

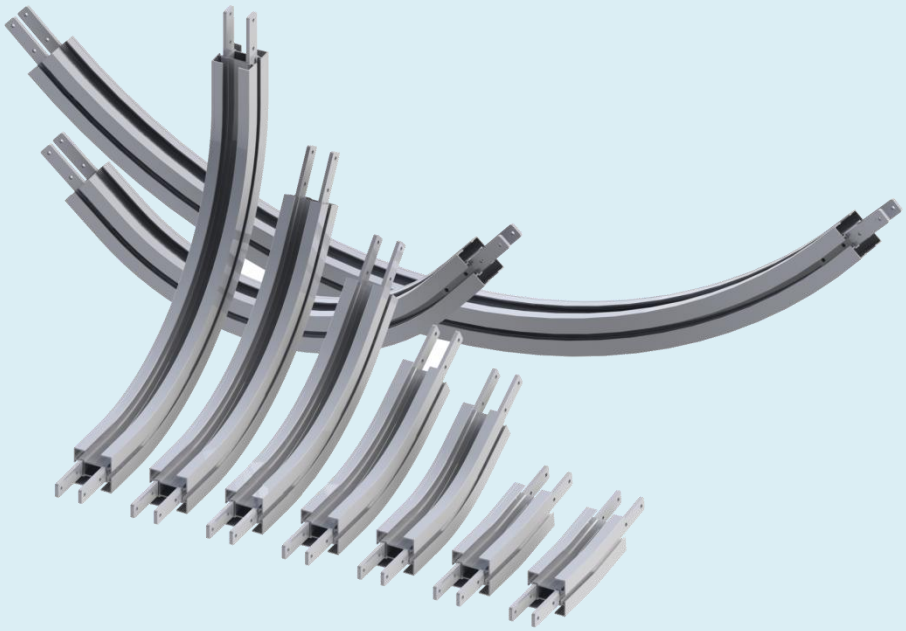


Support rail for plain bends

F5048598 Length 2.4mt

* Note: Special angles on request.

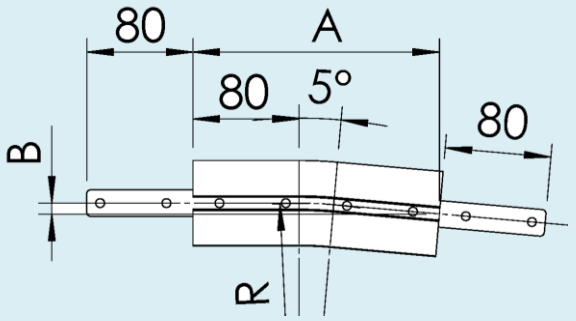
Vertical bends



Vertical bends

Vertical bend, 5°
Radius to centre of beam:

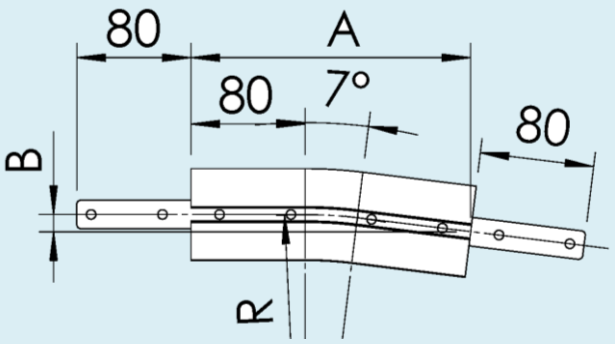
FMBV 5R400 R=400 mm



	R	A	B
FMBV 5R400	400	195	9

Vertical bend, 7°
Radius to centre of beam:

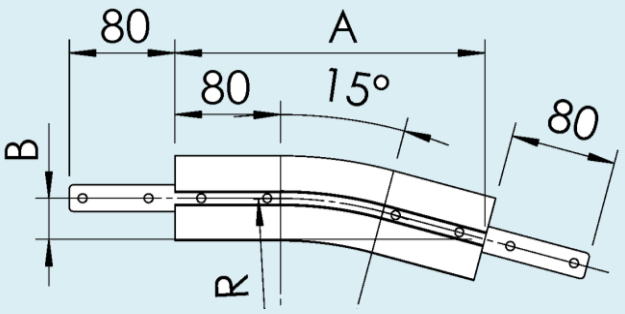
FMBV 7R400 R=400 mm



	R	A	B
FMBV 7R400	400	208	13

Vertical bend, 15°
Radius to centre of beam:

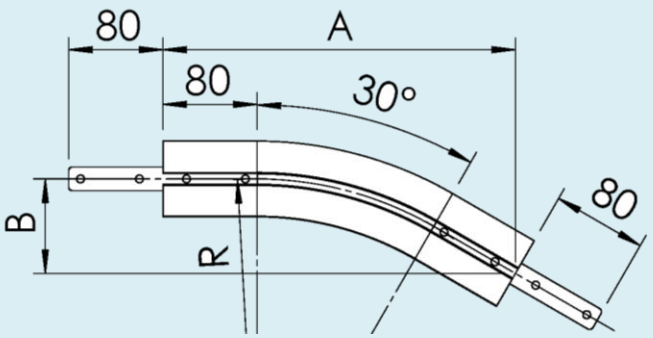
FMBV 15R400 R=400 mm
FMBV 15R700 R=700 mm



	R	A	B
FMBV 15R400	400	261	34
FMBV 15R700	700	338	45

Vertical bend, 30°
Radius to centre of beam:

FMBV 30R300 R=400 mm
FMBV 30R700 R=700 mm



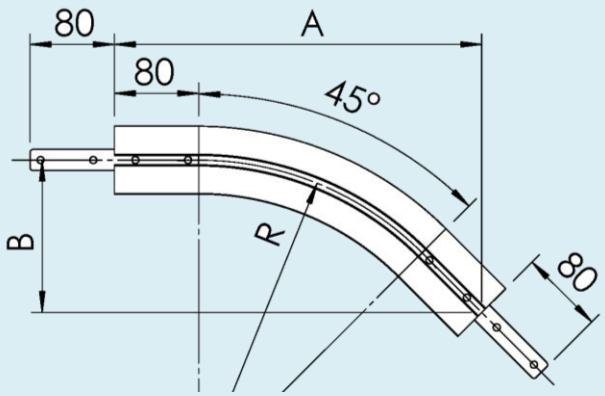
	R	A	B
FMBV 30R400	400	349	94
FMBV 30R700	700	449	134

* Note: Special angles on request.

Vertical bends

Vertical bend, 45°
Radius to centre of beam:

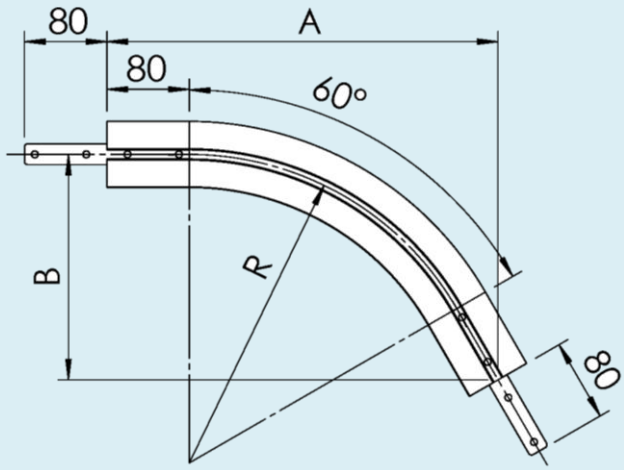
FMBV 45R400 R=400 mm
FMVB 45R1000 R=1000 mm



	R	A	B
FMBV 45R400	400	419	174
FMBV 45R1000	1000	844	350

Vertical bend, 60°
Radius to centre of beam:

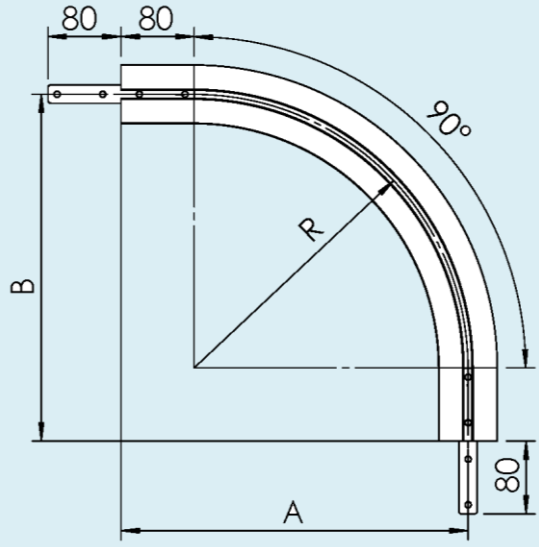
FMBV 60R400 R=400 mm
FMBV 60R1000 R=1000 mm



	R	A	B
FMBV 60R400	400	466	269
FMBV 60R1000	1000	986	569

Vertical bend, 90°
Radius to centre of beam:

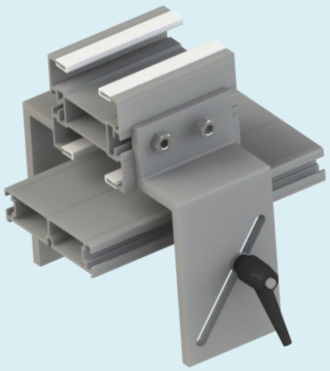
FMBV 90R400 R=400 mm
FMBV 90R1000 R=1000 mm



	R	A	B
FMBV 90R400	400	480	480
FMVB 90R1000	1000	1080	1080

* Note: Special angles on request.

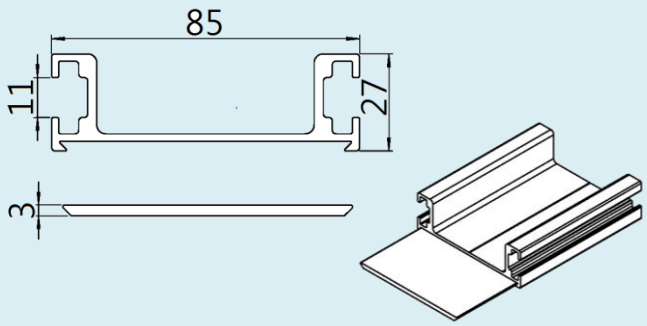
Front piece



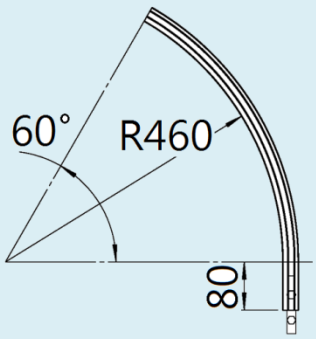
Front piece

FMVF 3 Length 3 mt

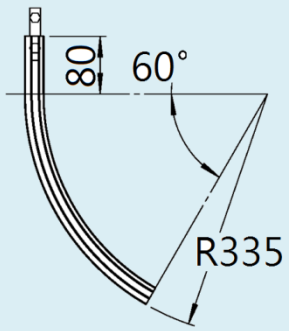
FMVG 2 Sliding strip for front piece
Length 2 mt



FMVA 60R460 Upper bend, 60°
Radius 460 mm
Includes connecting strip with screws

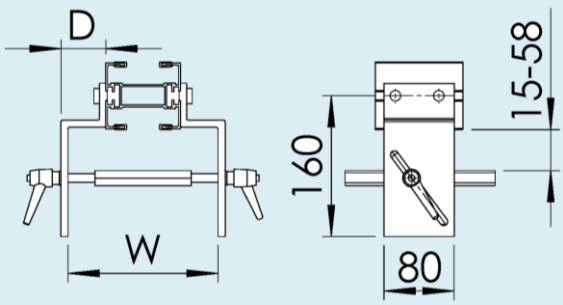


FMVB 60R335 Lower bend, 60°
Radius 335 mm
Includes connecting strip with screws

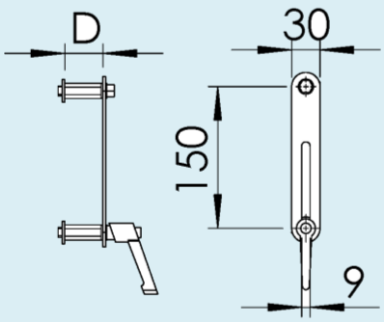


FHVK 43 Linkage kit for front piece
W=170 mm
D= 43 mm

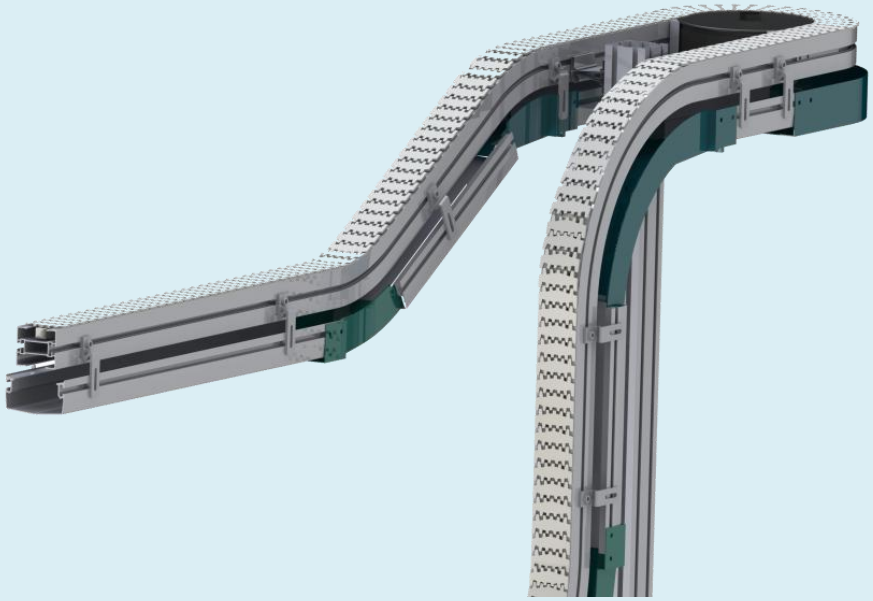
Kit consists of two support pairs.



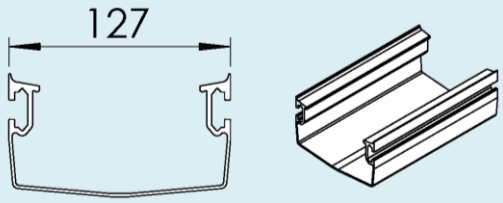
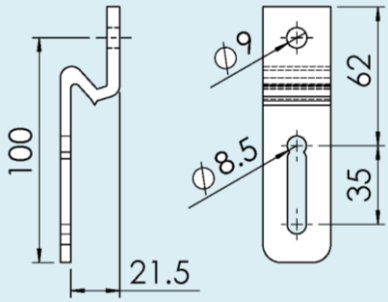
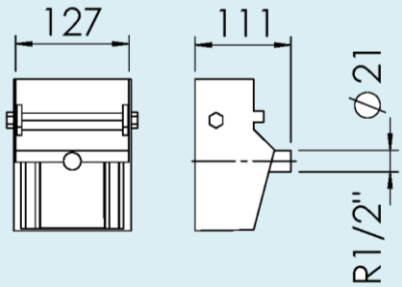
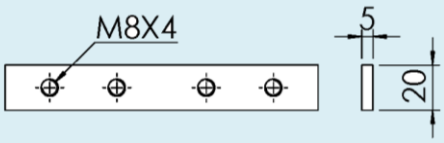
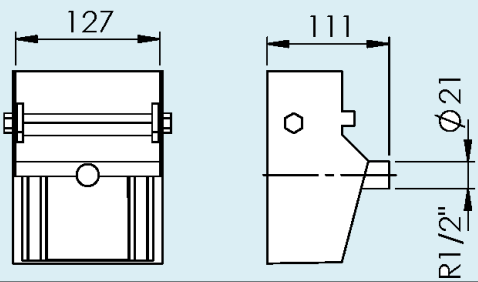
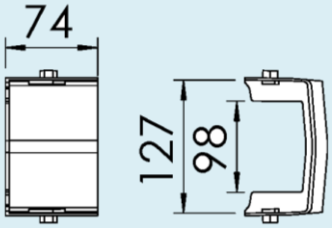
FHVS 43 Bend support
D= 43 mm



Drip trays and drip chatchers

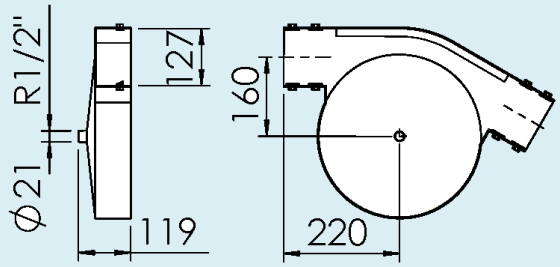


Drip trays

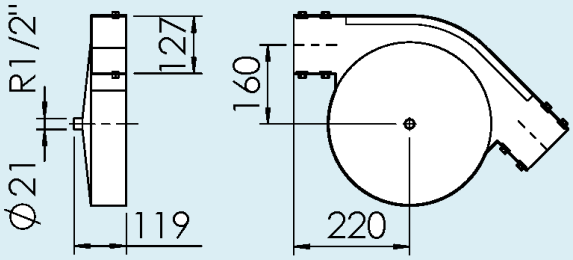
FMDT 3x127 B	Drip tray Length 3 mt	
FLDB 21X100	Drip tray bracket	
FMDJ 127 B	Drip tray connector With drip outlet Including screw kit	
FLCJ 5X140	Connecting strip with set screws Length 140 mm	
FMDE 127 B	End pan for drip tray With drip outlet Including screw kit	
FMDC 127 B	End cap for drip tray Including screw kit	

Drip pans

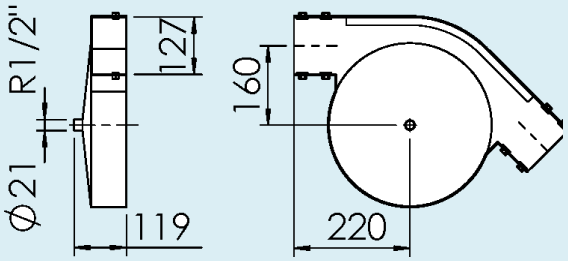
FMDH 30X127B Drip pan for horizontal wheel bend 30°
Including screw kit



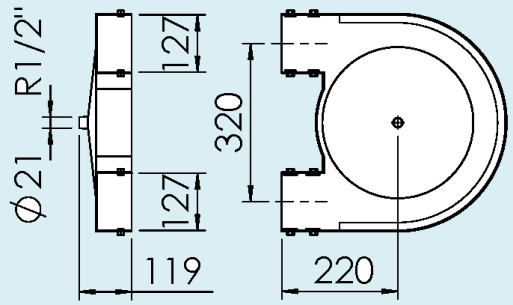
FMDH 45X127B Drip pan for horizontal wheel bend 45°
Including screw kit



FMDH 90X127B Drip pan for horizontal wheel bend 90°
Including screw kit



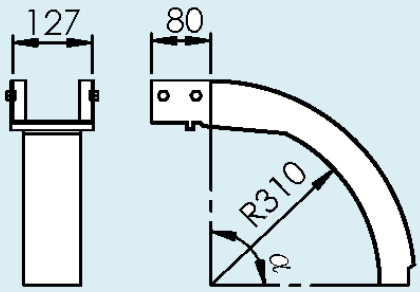
FMDH 180X127B Drip pan for horizontal wheel bend 180°
Including screw kit



Drip pans

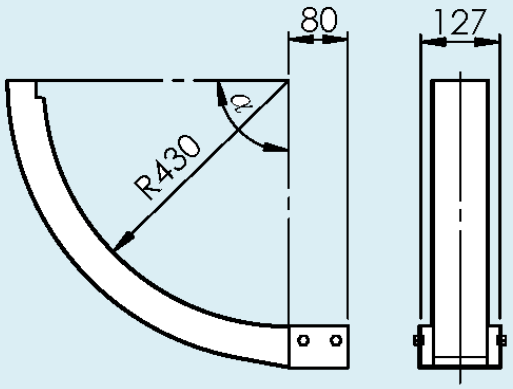
Drip pan, upper,
for vertical bend
Including screw kit

FMDV 30X127 BU	α=30°
FMDV 45X127 BU	α=45°
FMDV 90X127 BU	α=90°
FMDV 180X127 BU	α=180°

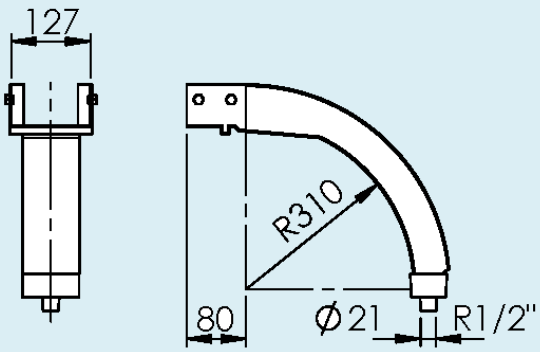


Drip pan, lower,
for vertical bend
Including screw kit

FMDV 30X127 BL	α=30°
FMDV 45X127 BL	α=45°
FMDV 90X127 BL	α=90°
FMDV 180X127 BL	α=180°

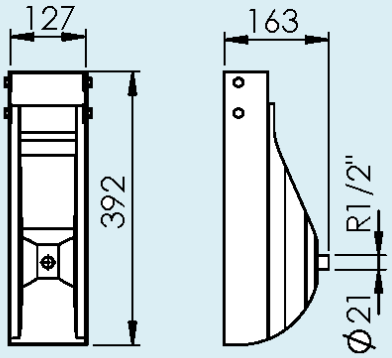


FMDV 90X127 B Drip pan, upper,
for 90° vertical bend
With drip outlet
Including screw kit



End pan for idler end unit

FMDD 127 B End pan for idler end
unit with drip outlet
Including screw kit



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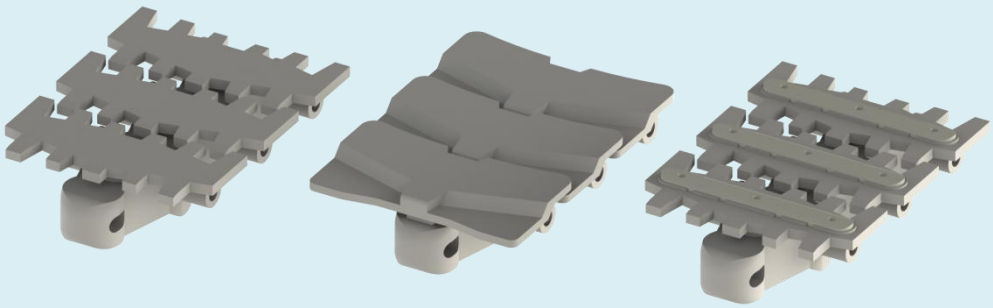
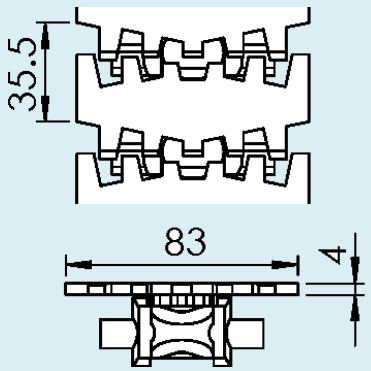
Chains 2
Conveyor beam 4



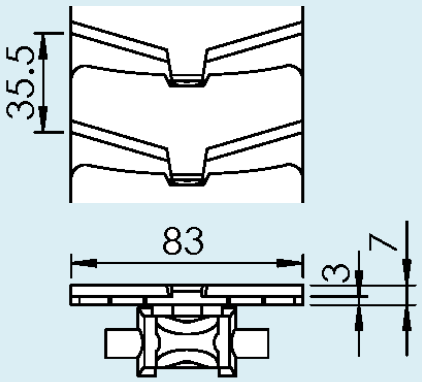
Chain

Plain chain

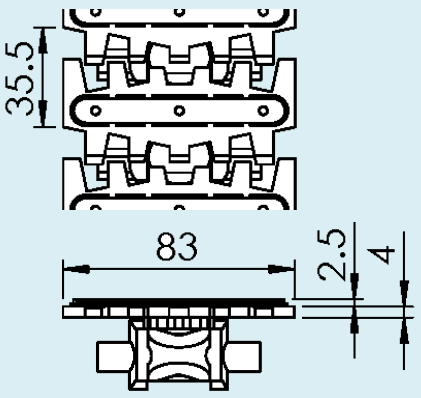
FBTP 5A85	Plain chain Length 5 mt
F5059652	Plain link



FBTP 5A85 A	Plain chain Length 5 mt
F5059685	Plain link



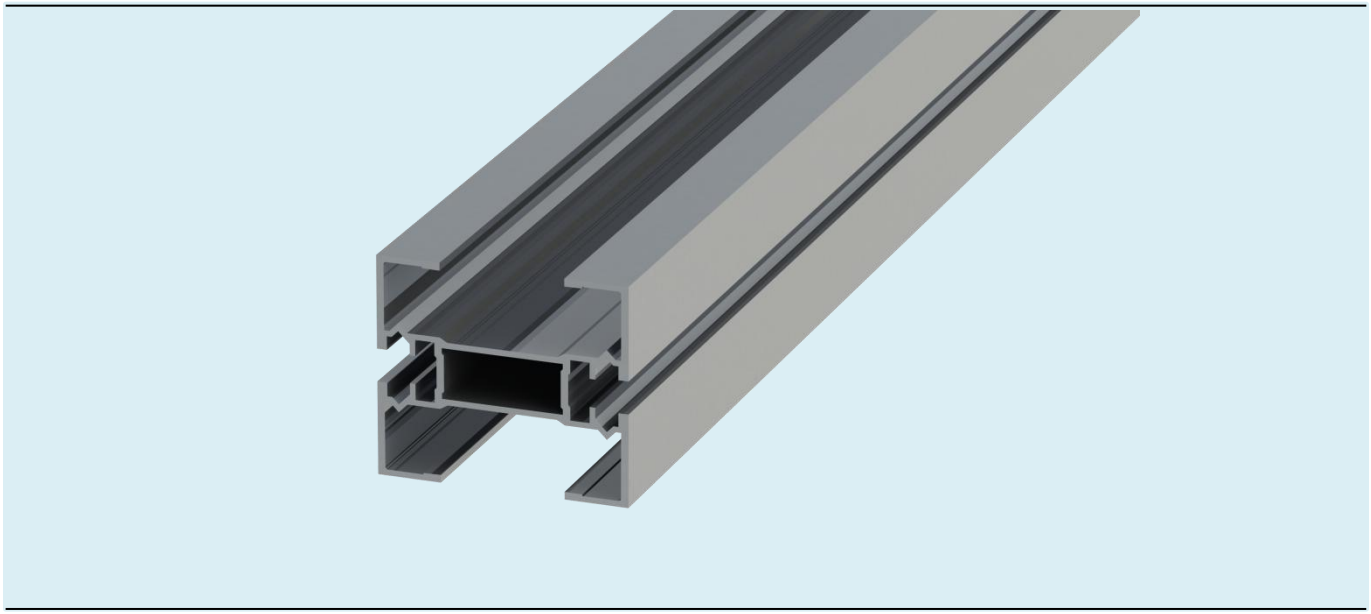
FBTL 5A85 F	Roller top chain
F8110459	Plain link



Tools and accessories

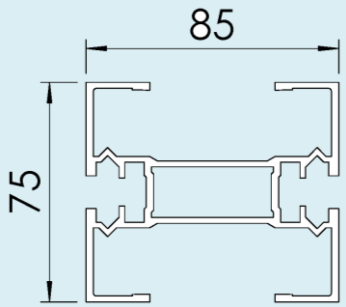
FBTT 13X16	Plastic pivot
FMTD 6X50	Steel pin
FMMJ 6	Pin insertion tool
FDSS 450	Silicone-based lubricant

Conveyor beam



Conveyor beam

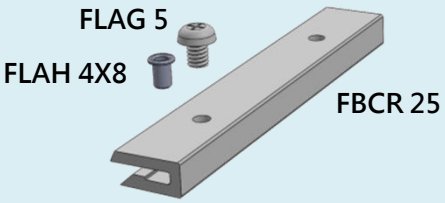
FBCB 3A85 Length 3 mt



Slide rail **FBCR 25** Length 25 m HDPE White

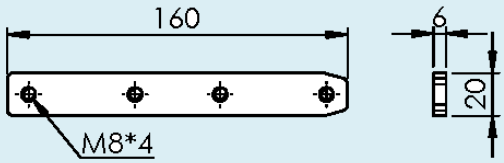
FLAH 4X8A Aluminium rivet

FLAG 5 Plastic screw



Connecting strip with set screws

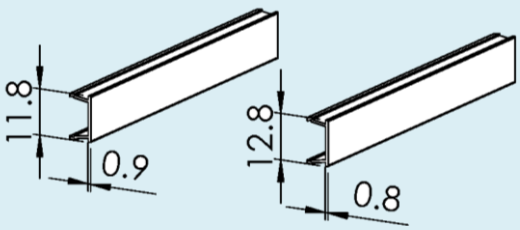
FSCJ 6X160 H=20 mm Length 160 mm



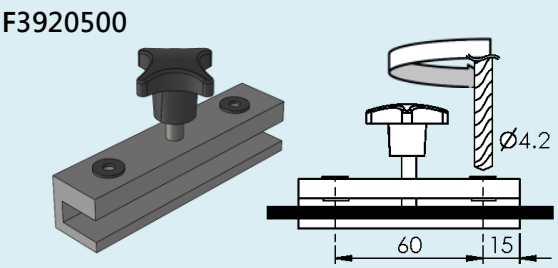
T-slot cover

FCAC 2 Aluminium Length 2 mt

FCAC 3P Polyvinyl chloride Length 3 mt



F3920500 Drill fixture for slide rail



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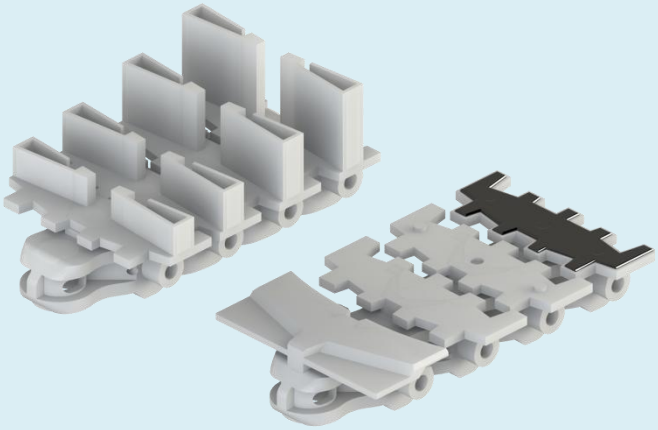
Chains

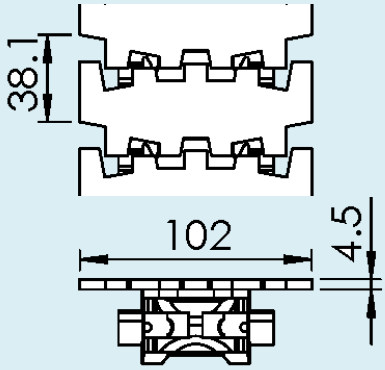


Chain

Plain chain

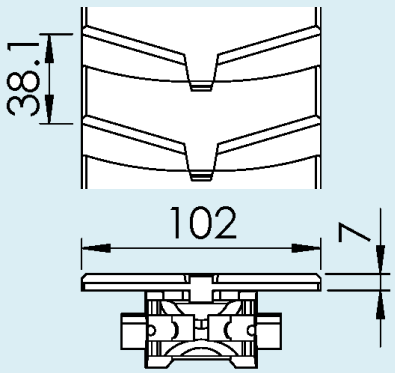
FKTP 5 Plain chain
Length 5 mt

FKTL 102 Plain link



FKTP 5 A Plain chain
Length 5 mt

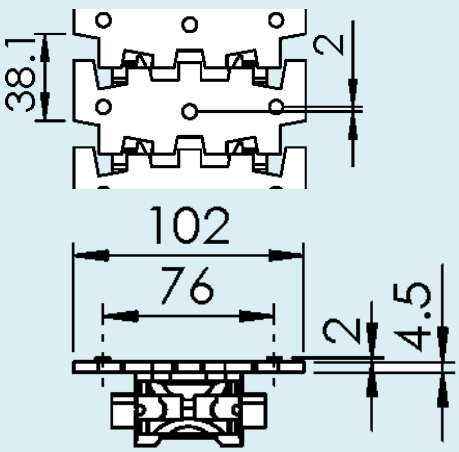
FKTL 102 A Plain link



Universal chain

FKTF 5 U... Plain chain
Length 5 mt

FKTL 102 U Plain link



The link has a hole for an M6 screw. M6 nut will fit inside the link.

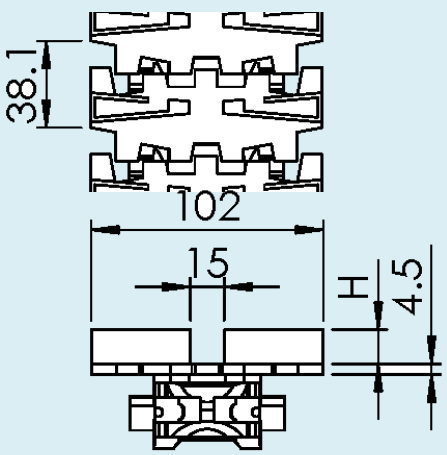
Cleated chain

Cleated chain Type A
Length 5 mt

FKTF 5X15 A... H=15 mm
FKTF 5X20 A... H=20 mm
FKTF 5X30 A... H=30 mm
FKTF 5X40 A... H= 40 mm

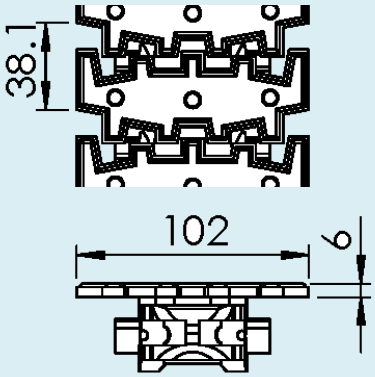
Cleated link

FKTL 102X15 A H=15 mm
FKTL 102X20 A H=20 mm
FKTL 102X30 A H=30 mm
FKTL 102X40 A H=40 mm



Chain

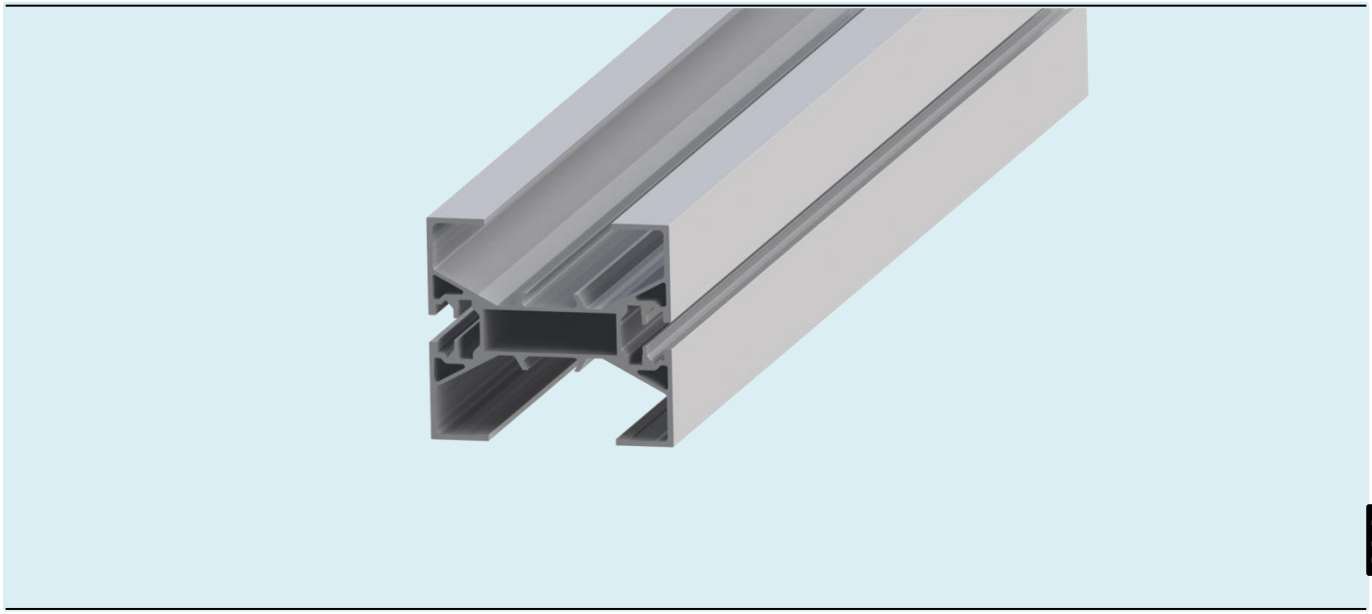
FKTP 5 TF	Plain chain Length 5 mt
FKTL 102 TF	Plain link



Tools and accessories

FKTT 22X24	Plastic pivot
FKTD 8X62	Steel pin
FKMJ 8	Pin insertion tool
FDSS 450	Silicone-based lubricant

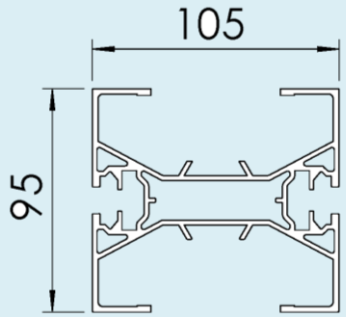
Conveyor beam



Conveyor beam

Beam

FKCB 3 Length 3 m

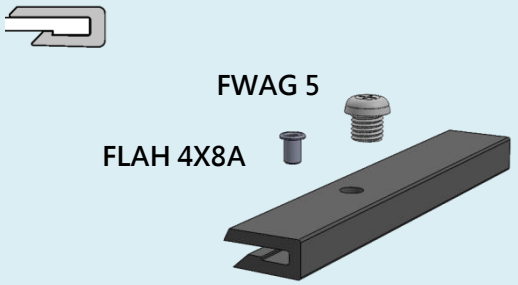


Slide rail Length 25 m

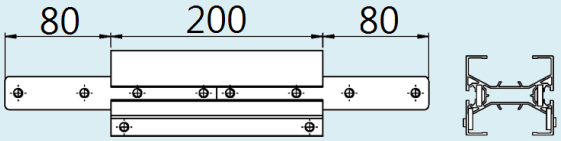
FKCR 25 HDPE White
FKCR 25H HDPE +PA6 Gray
FKCR 25U UHMW White
FWCR 25P PVDF

FLAH 4X8A Aluminium rivet

FWAG 5 Plastic screw

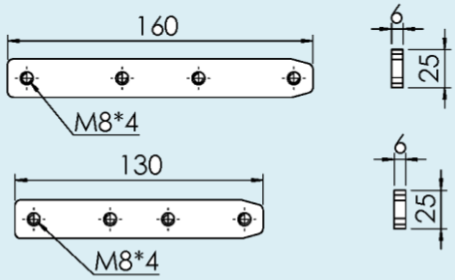


FKCC 200 Beam section for chain installation
Including connection strips and screws



Connecting strip with set screws

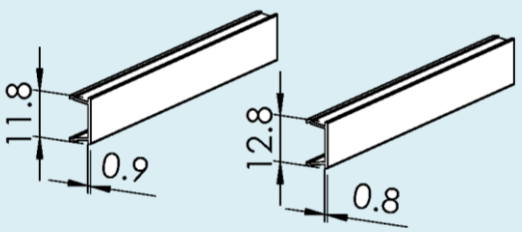
FLCJ 6X130 Length 130 mm
FLCJ 6X160 Length 160 mm



T-slot cover

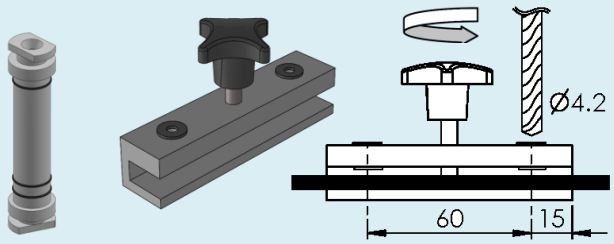
FCAC 2 Aluminium Length 2 mt

FCAC 3P Polyvinyl chloride
Length 3 mt

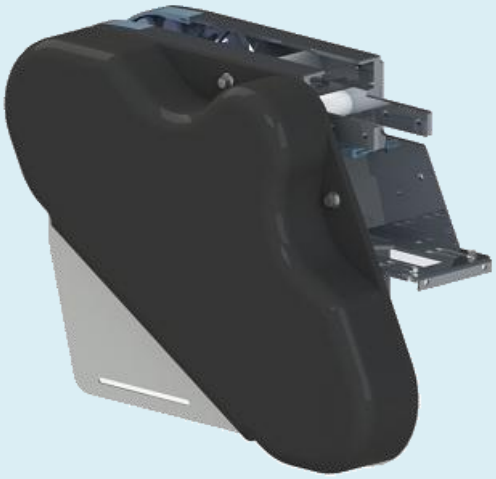


F3920500 Drill fixture for slide rail

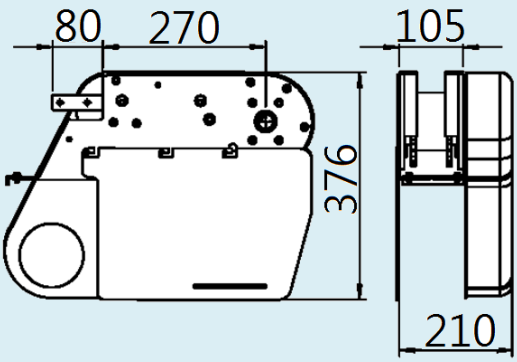
FKMR 200 Mounting tool



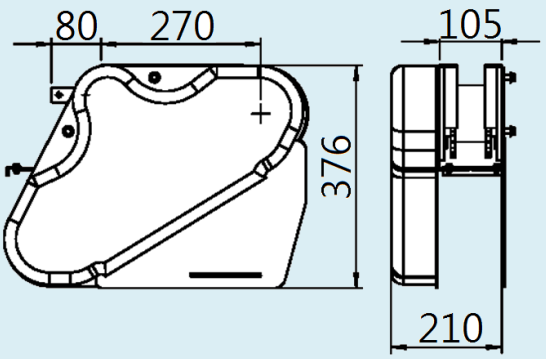
End drive units



FKEB 0HLA Drive unit
Transmission on
left-hand side

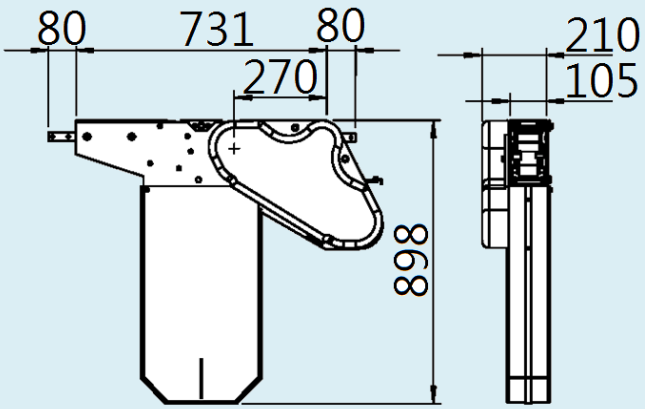


FKEB 0HRA Drive unit
Transmission on
right-hand side

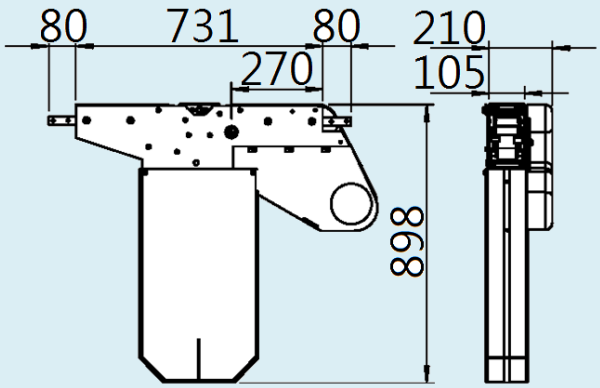


Catenary drive units

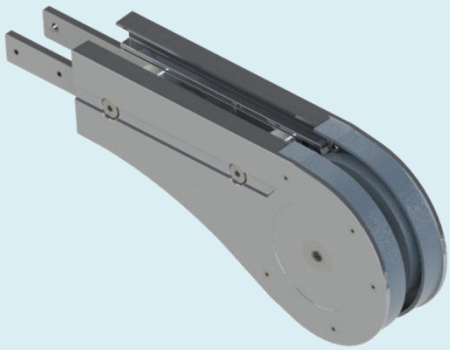
FKEC 0HL Drive unit
Transmission on
left-hand side



FKEC 0HR Drive unit
Transmission on
right-hand side

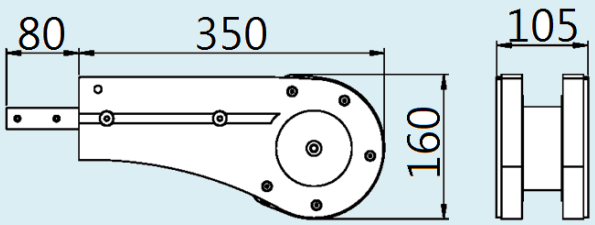


Idler end units

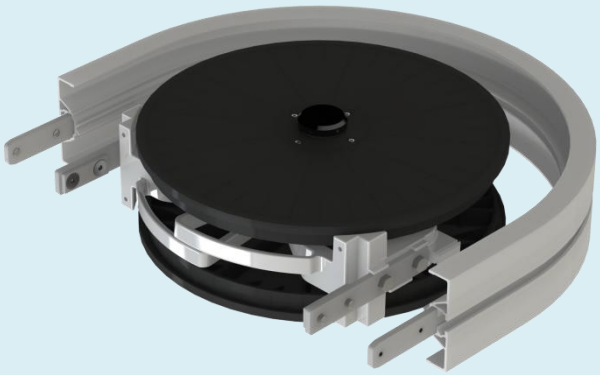


FK

FKEJ 350 Idler end unit



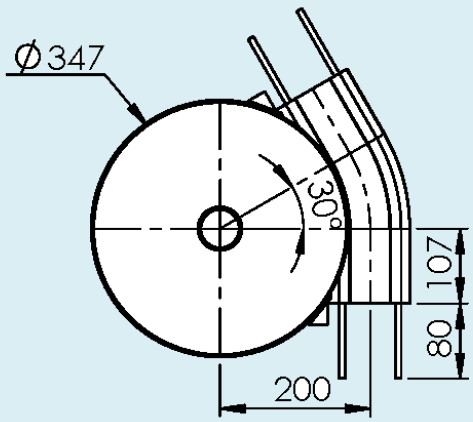
Horizontal wheel bends



FK-Horizontal wheel bends

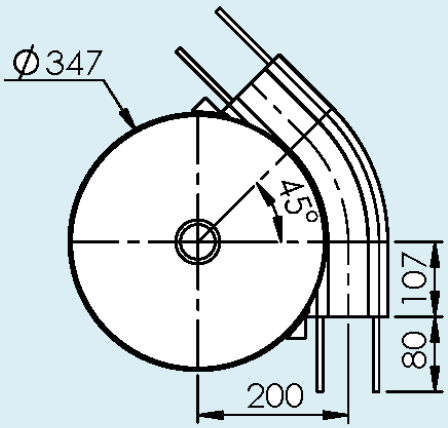
Horizontal wheel bend, 30°

FKBH 30R200A Radius to centre of chain 200 mm with protective cover



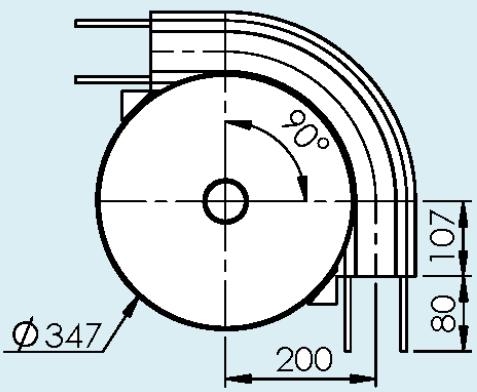
Horizontal wheel bend, 45°

FKBH 45R200 A Radius to centre of chain 200 mm with protective cover



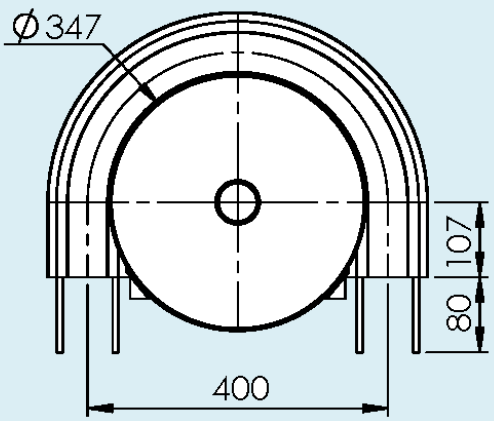
Horizontal wheel bend, 90°

FKBH 90R200 A Radius to centre of chain 200 mm with protective cover



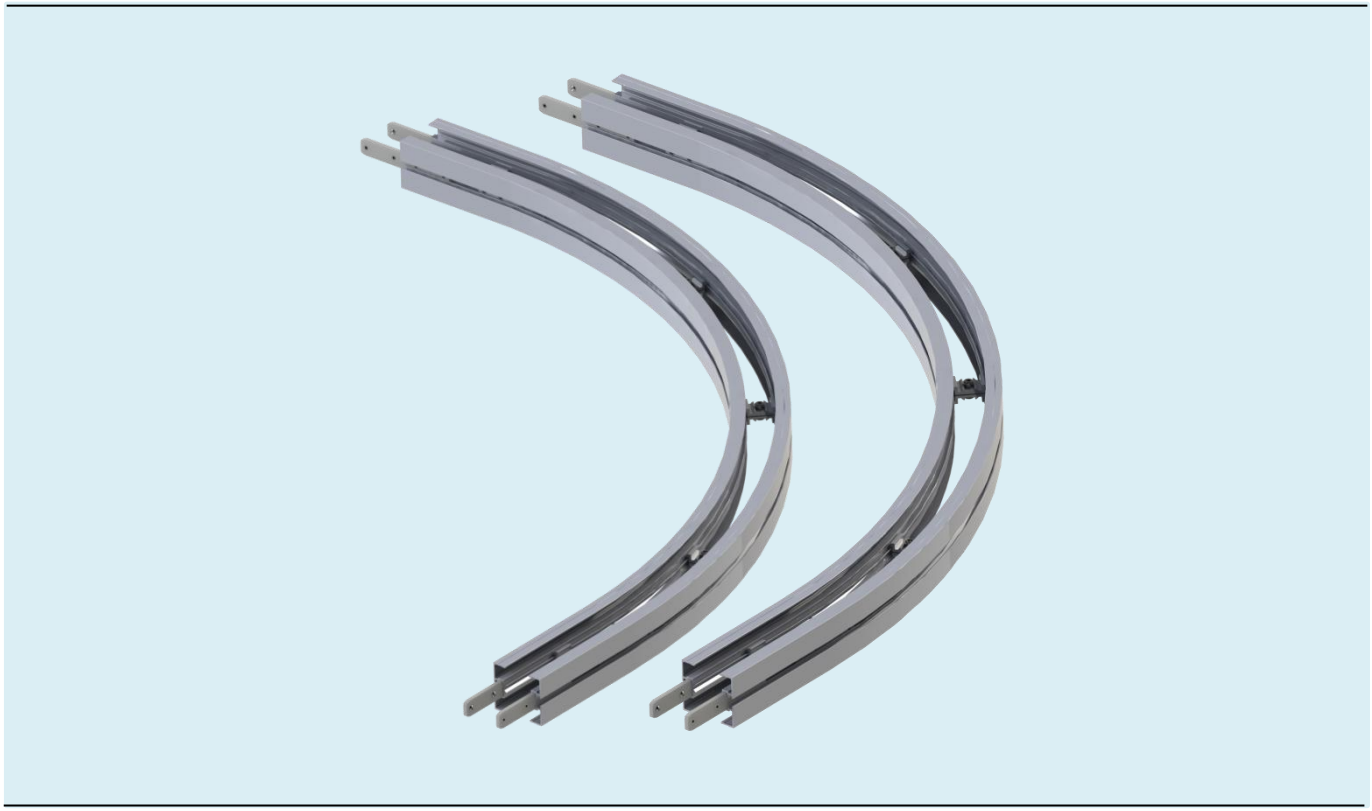
Horizontal wheel bend, 180°

FKBH 180R200 A Radius to centre of chain 200 mm with protective cover



FK

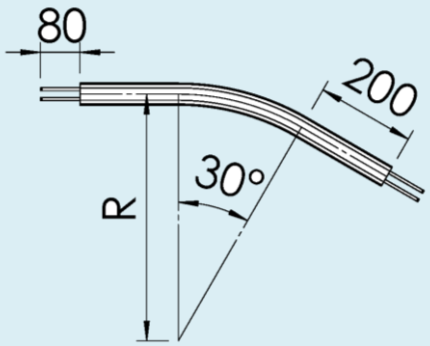
Horizontal plain bends



Horizontal plain bends

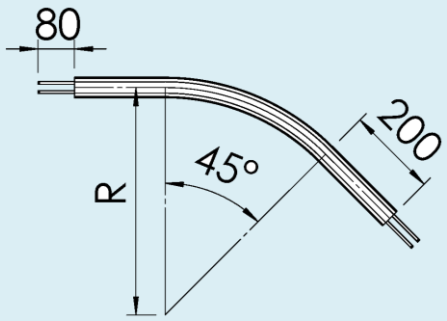
Horizontal plain bend, 30°
Radius to centre of beam:

FKBP 30R500	R=500 mm
FKBP 30R700	R=700 mm
FKBP 30R1000	R=1000mm



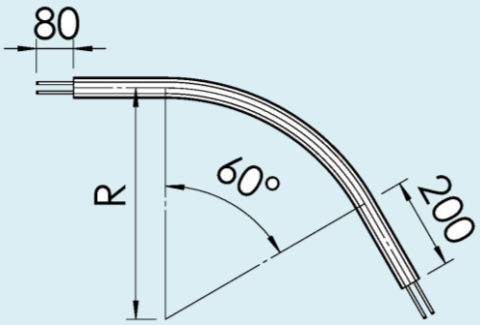
Horizontal plain bend, 45°
Radius to centre of beam:

FKBP 45R500	R=500 mm
FKBP 45R700	R=700 mm
FKBP 45R1000	R=1000mm



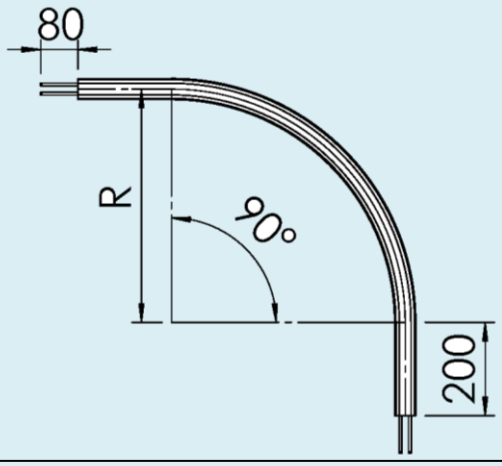
Horizontal plain bend, 60°
Radius to centre of beam:

FKBP 60R500	R=500 mm
FKBP 60R700	R=700 mm
FKBP 60R1000	R=1000mm



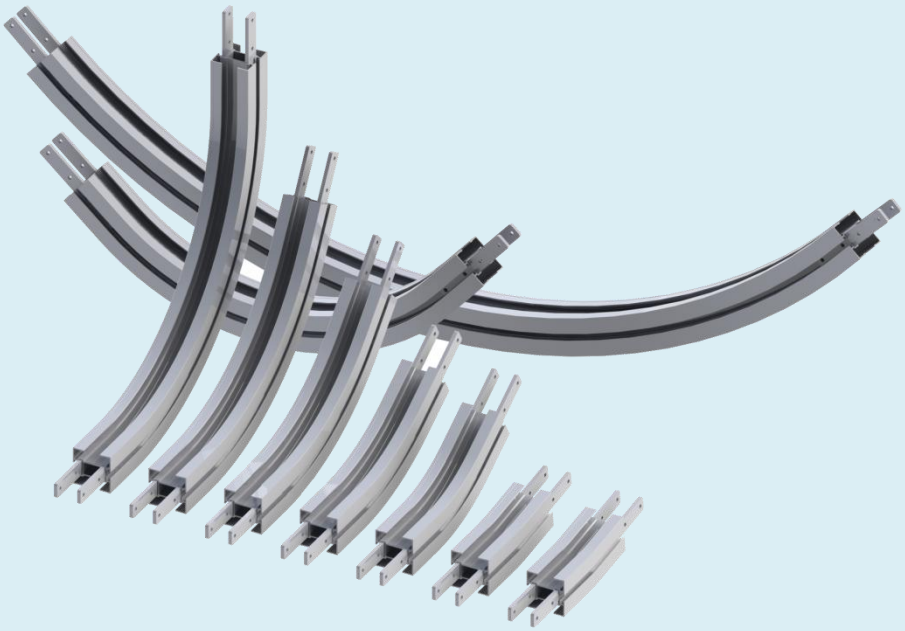
Horizontal plain bend, 90°
Radius to centre of beam:

FKBP 90R500	R=500 mm
FKBP 90R700	R=700 mm
FKBP 90R1000	R=1000mm



* Note: Special angles on request.

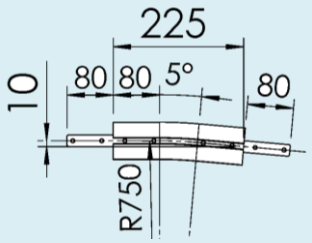
Vertical bends



Vertical bends

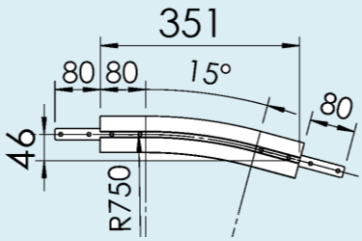
Vertical bend, 5°
Radius to centre of beam:

FKBV 5R750 R=750 mm



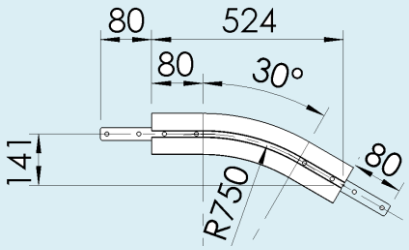
Vertical bend, 15°
Radius to centre of beam:

FKBV 15R750 R=750 mm



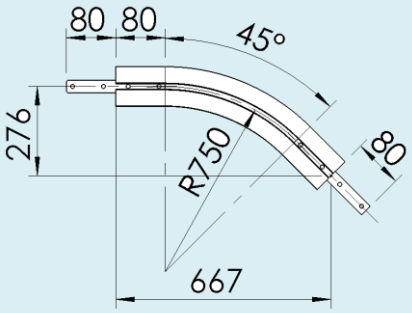
Vertical bend, 30°
Radius to centre of beam:

FKBV 30R750 R=750 mm



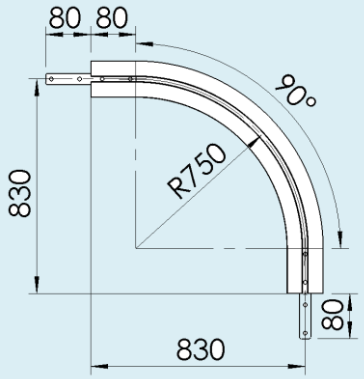
Vertical bend, 45°
Radius to centre of beam:

FKBV 45R750 R=750 mm



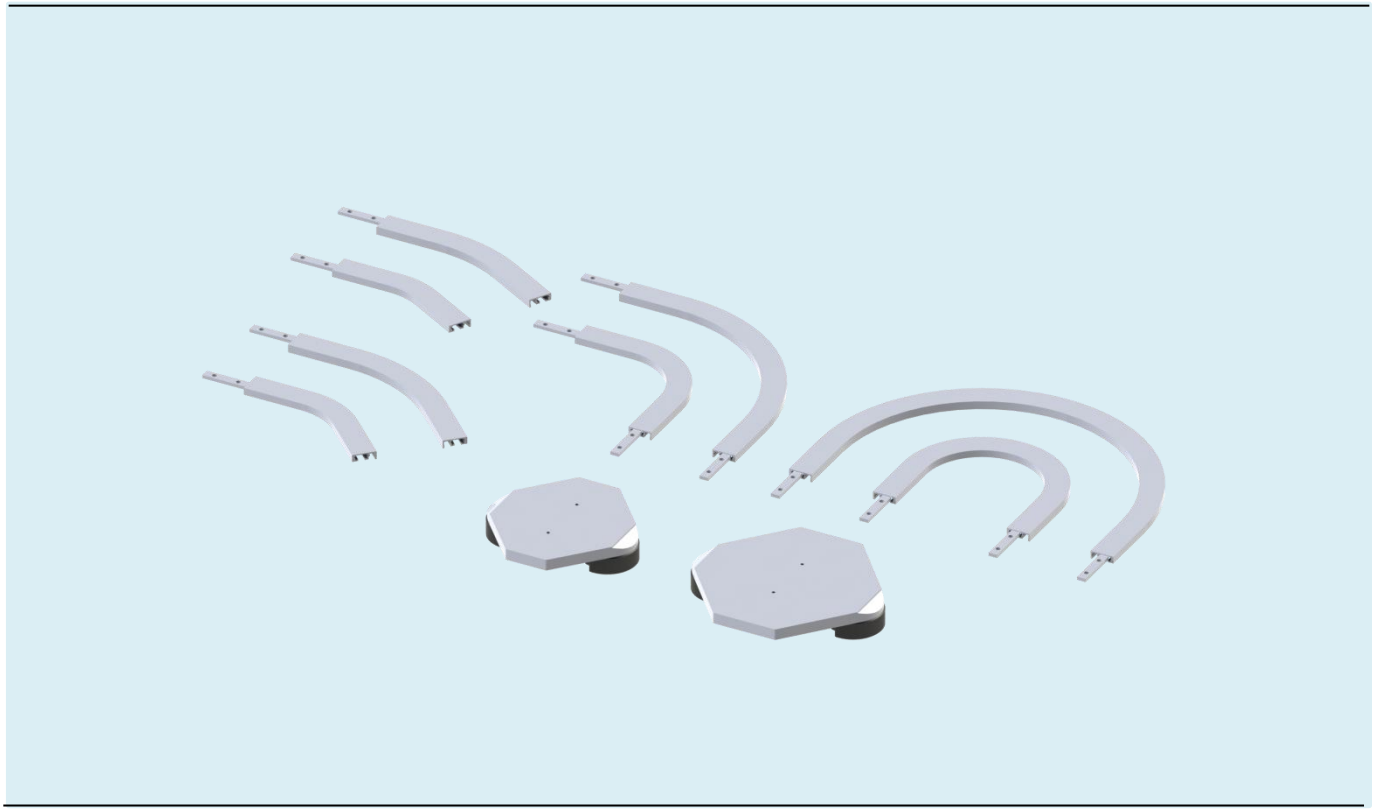
Vertical bend, 90°
Radius to centre of beam:

FKBV 90R750 R=750 mm



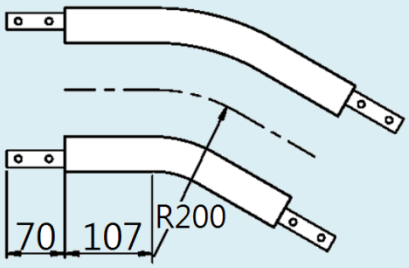
FK

* Note: Special angles on request.



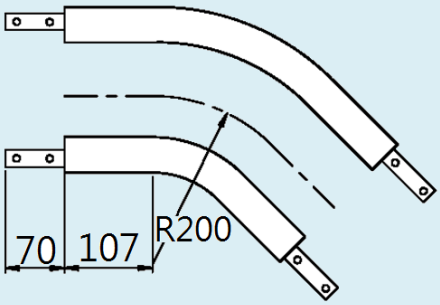
Guide rail for pallets in bends, including connecting strips

F3927174 Outer guide rail, 30°
F3927170 Inner guide rail, 30°



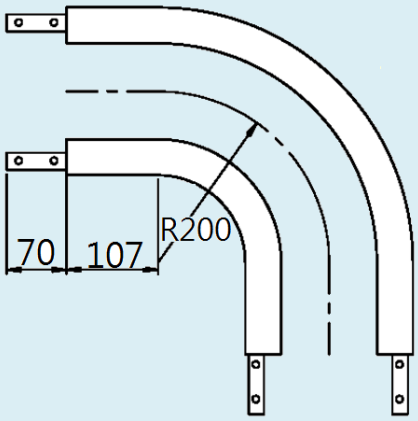
Guide rail for pallets in bends, including connecting strips

F3927173 Outer guide rail, 45°
F3927169 Inner guide rail, 45°



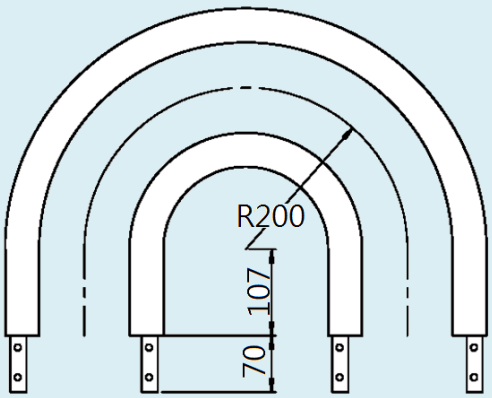
Guide rail for pallets in bends, including connecting strips

F3927172 Outer guide rail, 90°
F3927168 Inner guide rail, 90°

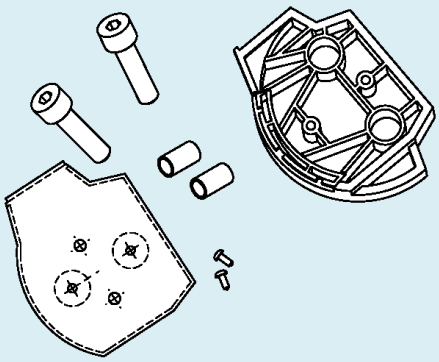


Guide rail for pallets in bends, including connecting strips

F3927171 Outer guide rail, 180°
F3927167 Inner guide rail, 180°



FKGP 105 A	Guide disc Including screws, slide plate, shock absorber

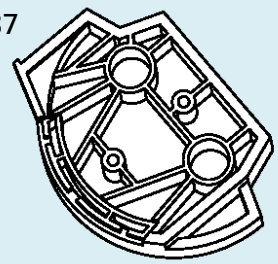


F3926430	Shock adsorber

F3926430

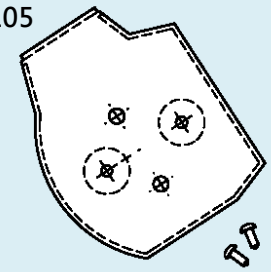
F3927287	Body of guide disc for pallet

F3927287

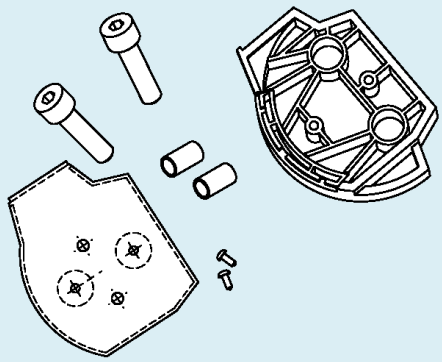
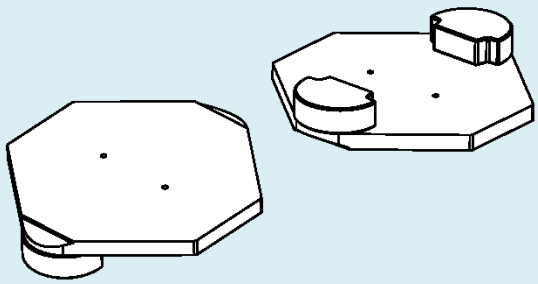
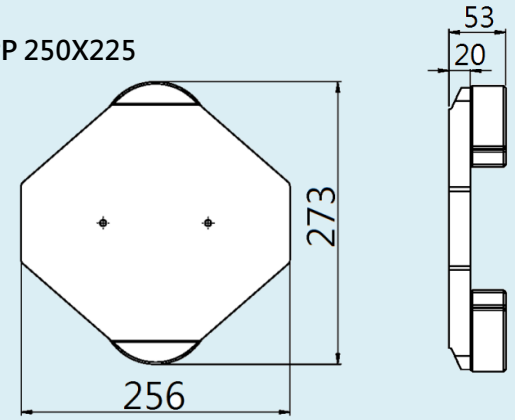
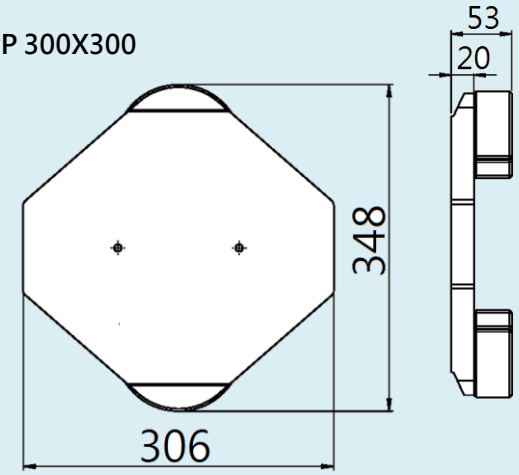


FKPS 105	Slide plate, steel Including screws

FKPS 105



FK-Pallet

FKGP 105 A	Guide disc Including screws, slide plate, shock absorber	
	Guide disc Including screws, slide plate, shock absorber	
FKPP 250X225	Pallet 250 mm X 225 mm, fully assembled unit	**FKPP 250X225** 
FKPP 300X300	Pallet 300 mm X 300 mm, fully assembled unit	**FKPP 300X300** 

FK

Conveyor system FH

FH

Contents

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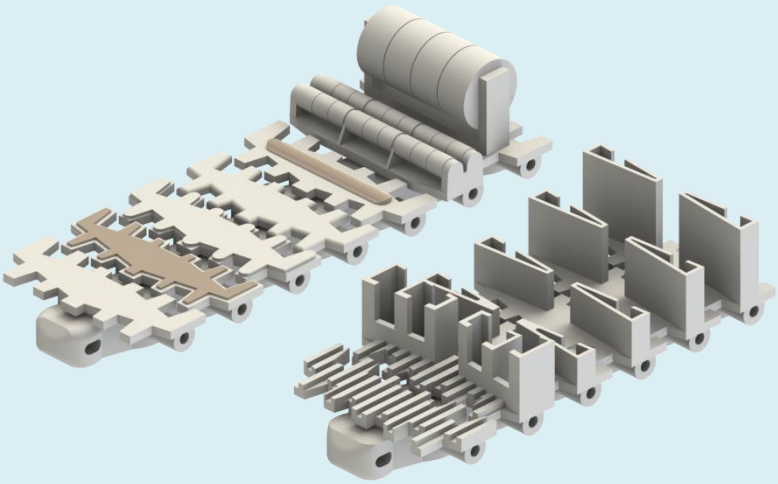
Idler unit 14
Horizontal wheel bends 15
Horizontal plain bends 18
Vertical bends 20
Front piece 22
Drip trays and drip chatchers 24

Chains

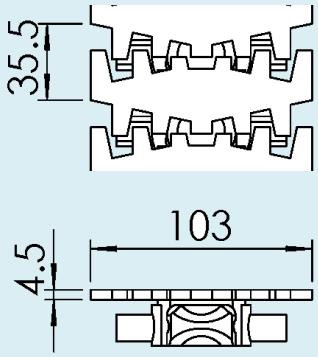


Chain

Plain chain

FHTP 5 Plain chain
Length 5 mt

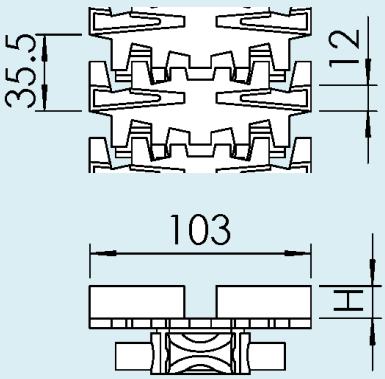
FHTL 103 Plain link



Cleated chain Cleated chain Type A
Length 5 mt

FHTF 5X15 A... H=15 mm
FHTF 5X20 A... H=20 mm
FHTF 5X30 A... H=30 mm
FHTF 5X40 A... H= 40 mm

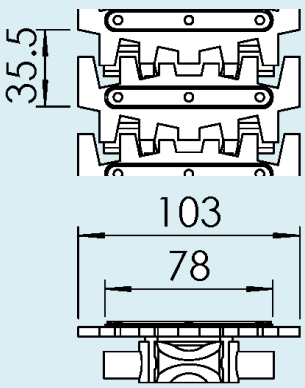
Cleated link
FHTL 103X15 A H=15 mm
FHTL 103X20 A H=20 mm
FHTL 103X30 A H=30 mm
FHTL 103X40 A H=40 mm



Friction top chain

FHTP 5 F... Friction top chain
Length 5 mt

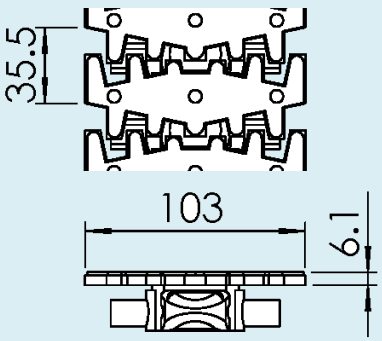
FHTL 103 F Friction top link



Steel top chain

FHTP 5 TF Plain chain
Length 5 mt

FHTL 103 TF Steel top link



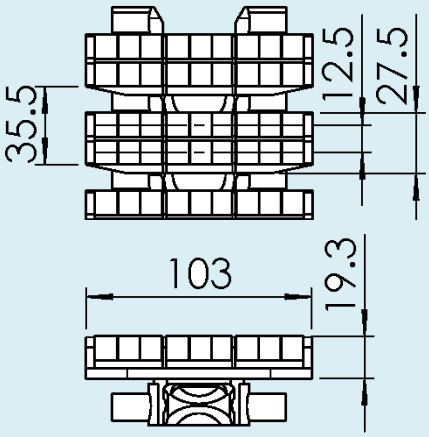
FH

Chain

Roller top chain

FHTR 5 Roller top chain
Length 5 mt

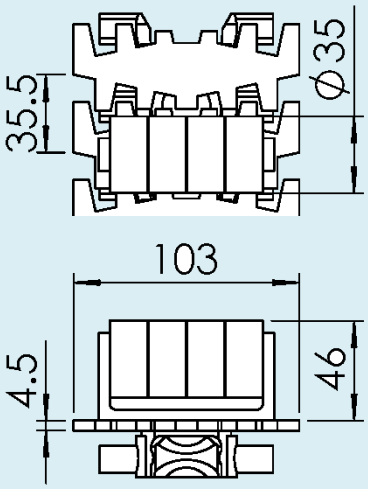
FHTL 103 R Roller top link
This link cannot be combined with plain links.



FHTF 5X46 R... Chain with roller cleats
Length 5 mt

FHTL 103X46 R Link with roller cleats

Note. This type of chain requires minimum. One plain link between every cleated link.



Tools and accessories

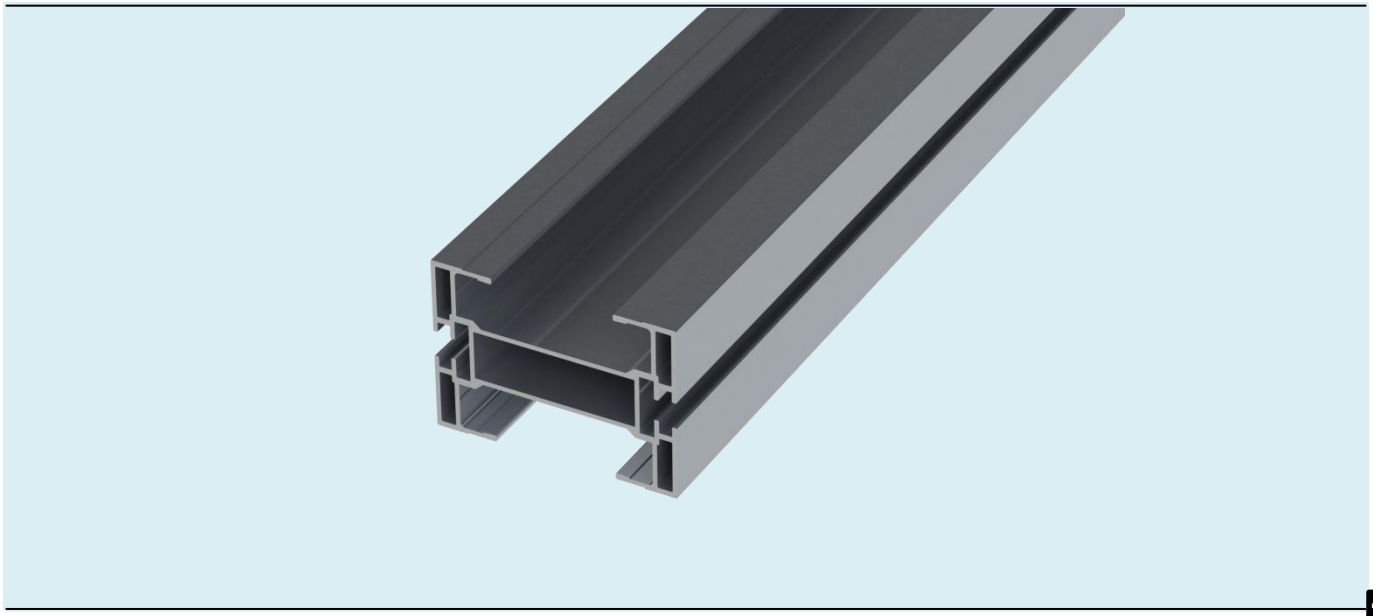
FHTT 18X19 Plastic pivot

FHTD 6X70 Steel pin

FHMJ 6 Pin insertion tool

FDSS 450 Silicone-based lubricant

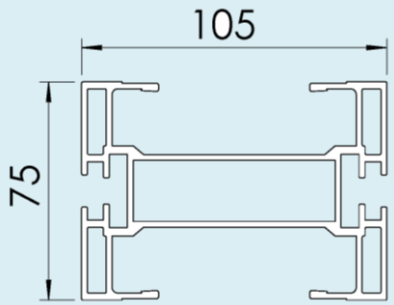
Conveyor beam



Conveyor beam

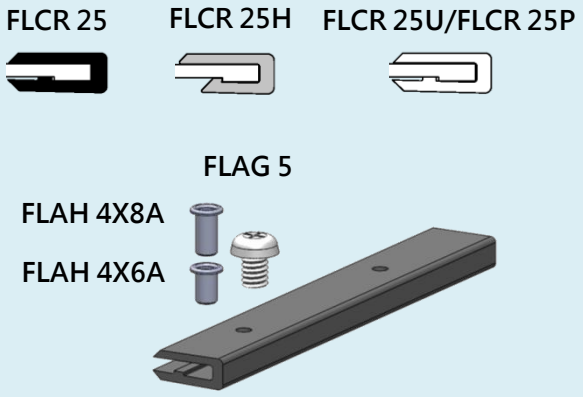
Beam

FHCB 3 Length 3 m

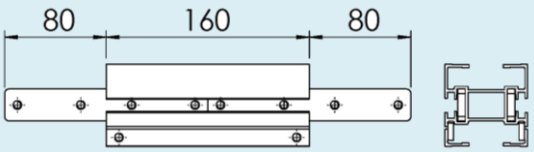


Slide rail Length 25 m

FLCR 25	HDPE Black
FLCR 25U	UHMW White
FLCR 25P	PVDF White
FLCR 25H	HDPE+PE6 Gray
FLAH 4X6A	Aluminium rivet
FLAH 4X8A	Aluminium rivet
FLAG 5	Plastic screw

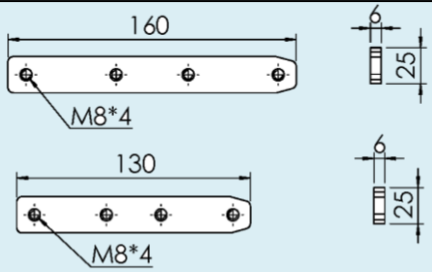


FHCC 160 Beam section for chain installation, including connection strips and screws



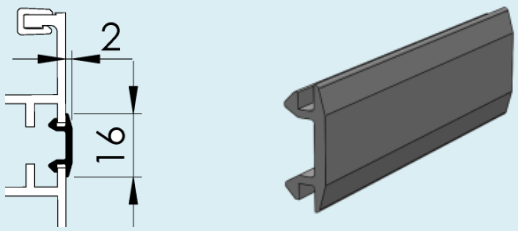
Connecting strip with set screws

FLCJ 6X130 Length 130 mm
FLCJ 6X160 Length 160 mm



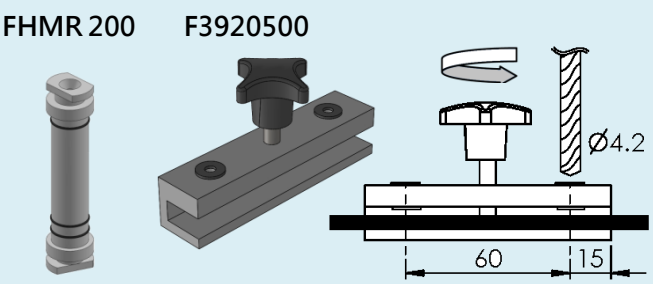
T-slot cover

FLAB 50 Length 50 m



F3920500 Drill fixture for slide rail

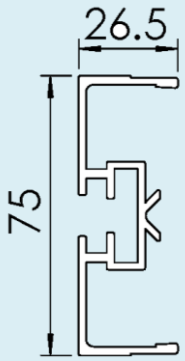
FHMR 200 Mounting tool



Conveyor beam

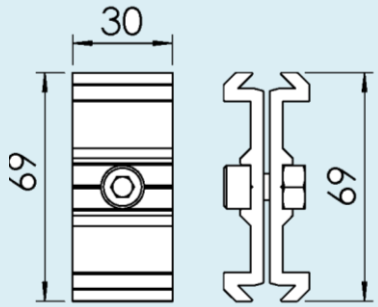
Half beam

FHCB 3H Length 3 mt

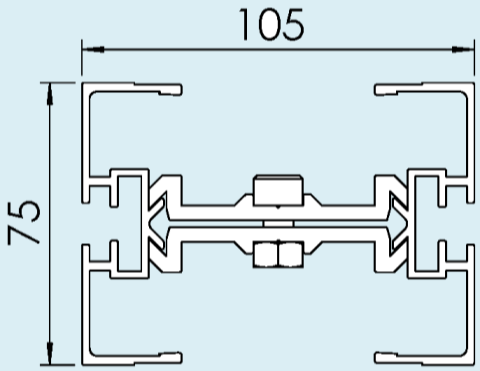


Mounting Clip

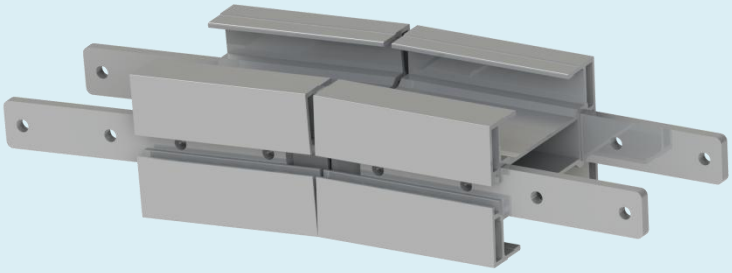
FHCE 69X30



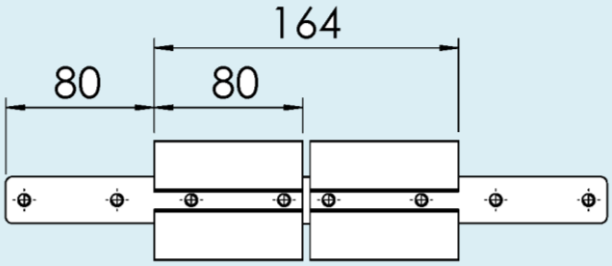
Split Conveyor beam assembled
Length 3mt



Articulated beam section

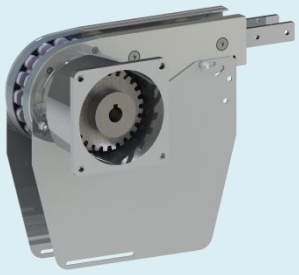


FHCH 5V Articulated beam section vertical



Slide rail: see “Conveyor beam”.

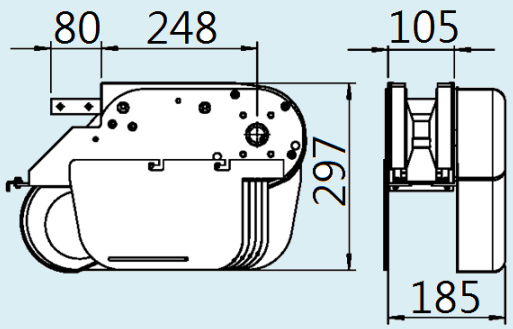
End drive units



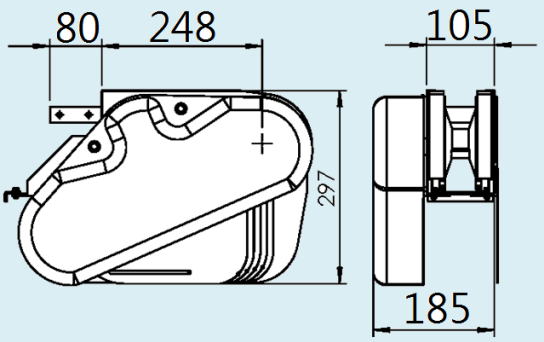
Direct drive

End drive units

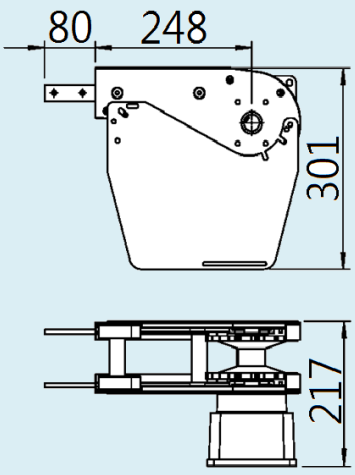
FHEB 0HLA Drive unit
Transmission on
left-hand side



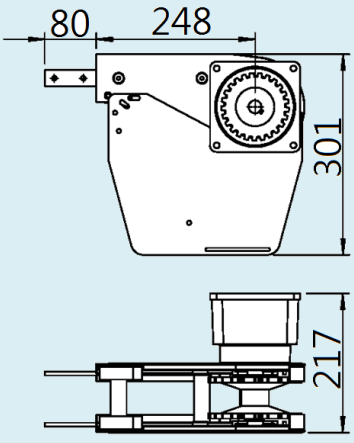
FHEB 0HRA Drive unit
Transmission on
right-hand side



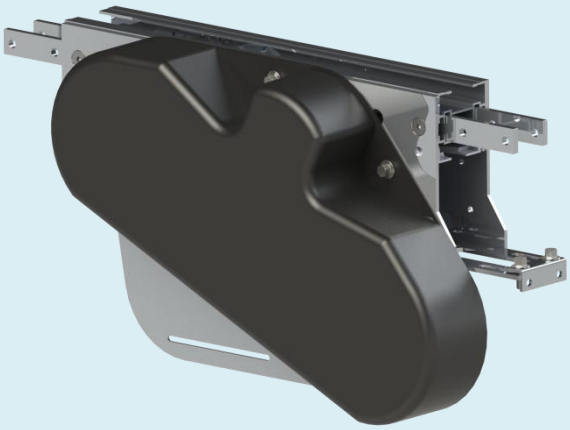
FHEB 0HLPA Drive unit
Direct drive,
left-hand side



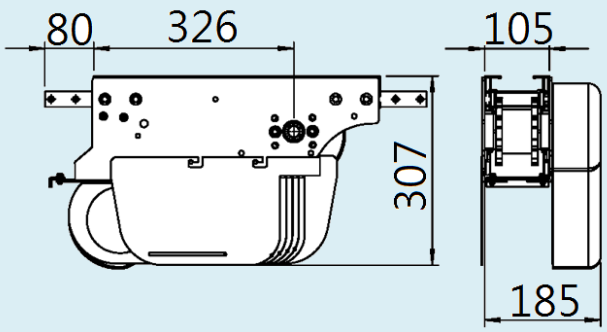
FHEB 0HRPA Drive unit
Direct drive,
right-hand side



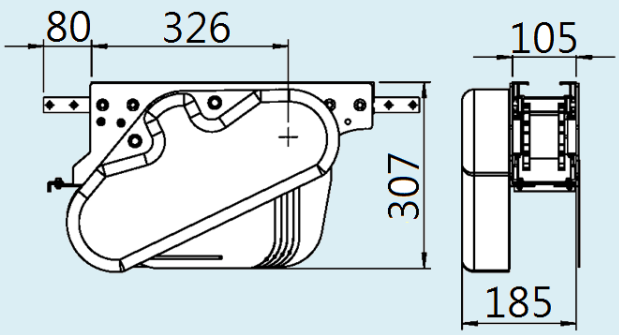
Intermediate drive units



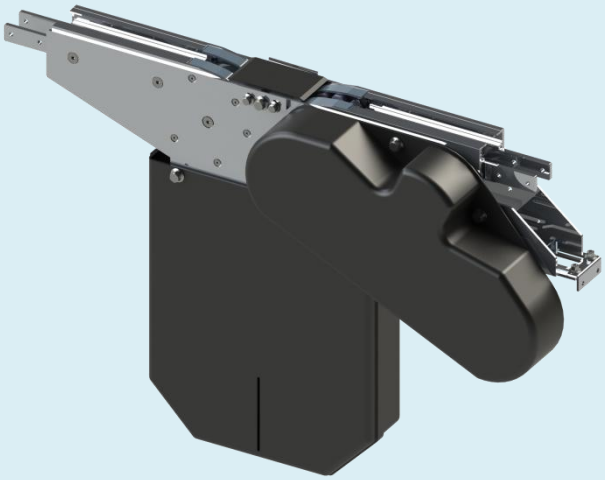
FHER 0HL Drive unit
Transmission on
left-hand side



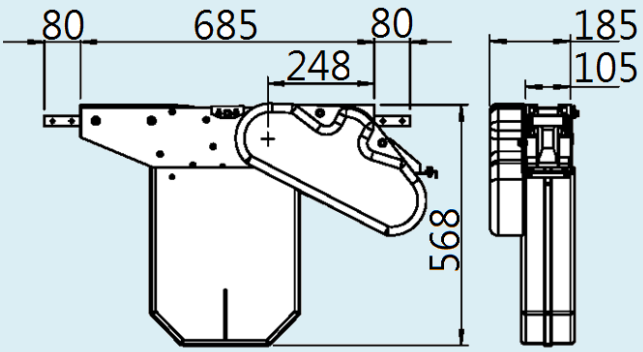
FHER 0HR Drive unit
Transmission on
right-hand side



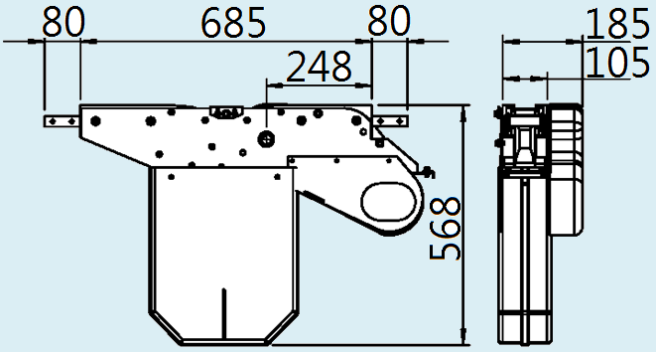
Catenary drive units



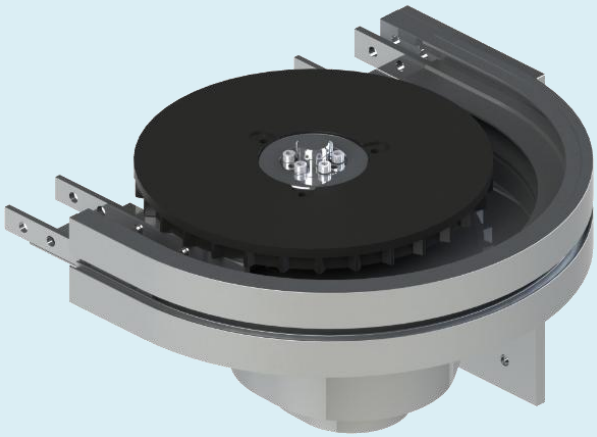
FHEC 0HL Drive unit
Transmission on
left-hand side



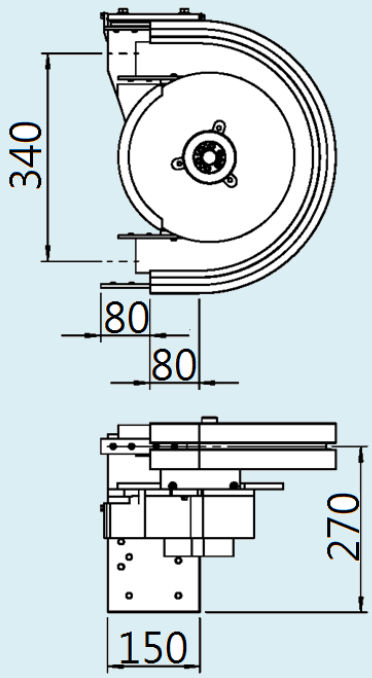
FHEC 0HR Drive unit
Transmission on
right-hand side



Horizontal bend drive unit

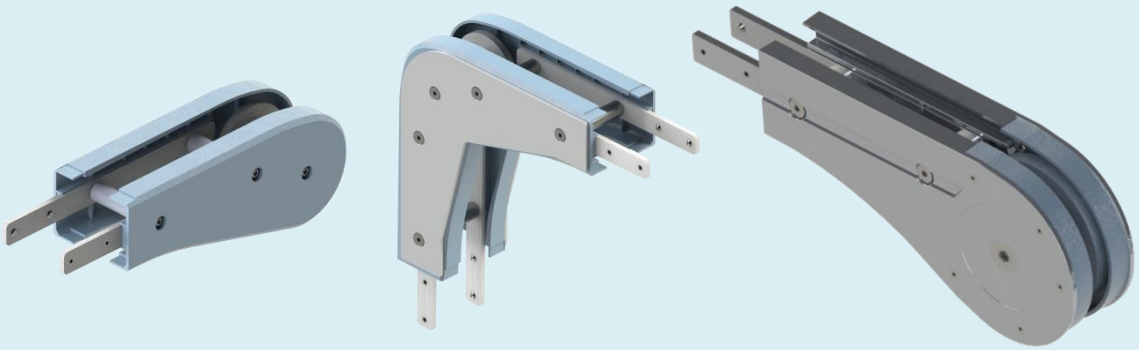


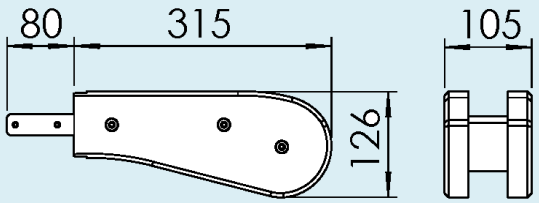
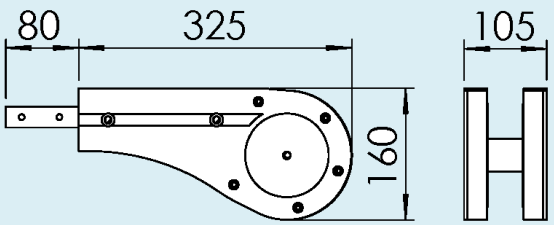
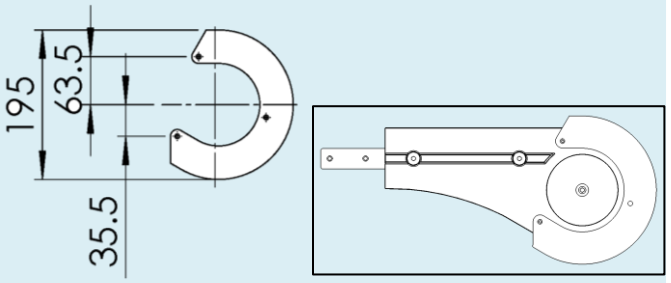
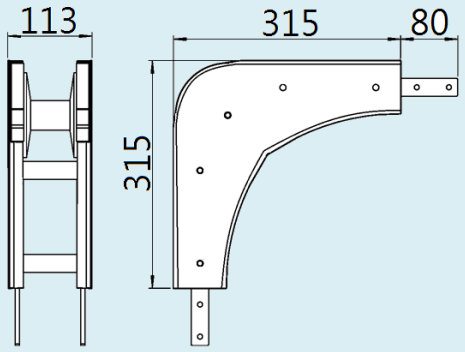
FHEW 180/0H Horizontal bend drive unit, 180°



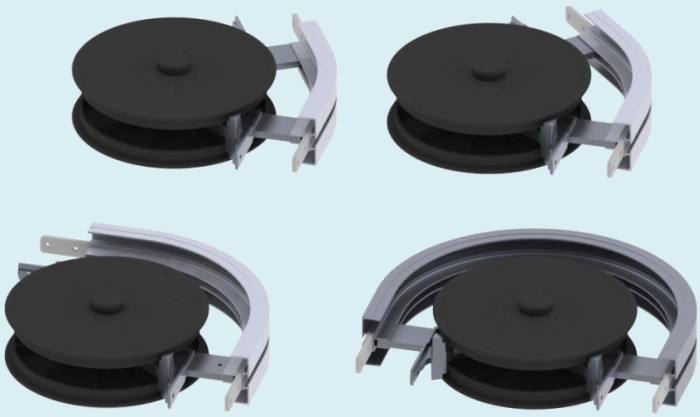
FH

Idler end units



FHEJ 315	Idler end unit	
FHEJ 325	Idler end unit	
FHSJ 195	Protective cover for idler end nit	
FHEK 90R50	Idler bend unit, 90 ° Cannot be used with a return chain	

Horizontal wheel bends

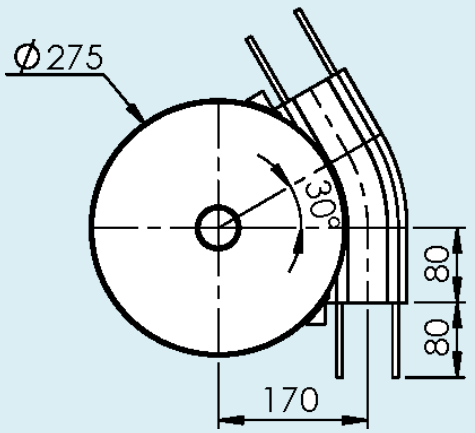


FH-Horizontal wheel bends

Horizontal wheel bend, 30°

FHBH 30R170 Radius to centre of chain 170 mm

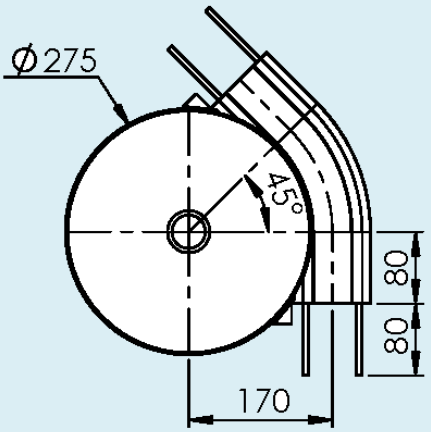
FHBH 30R170A with protective cover



Horizontal wheel bend, 45°

FHBH 45R170 Radius to centre of chain 170 mm

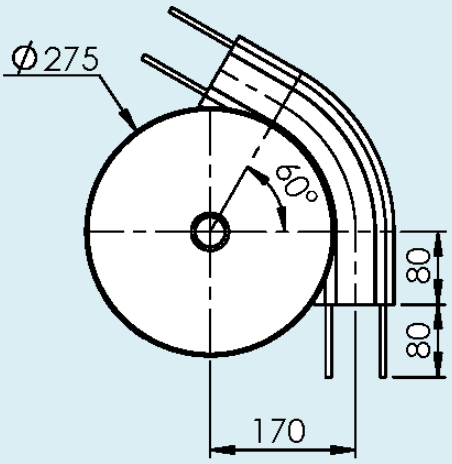
FHBH 45R170A with protective cover



Horizontal wheel bend, 60°

FHBH 60R170 Radius to centre of chain 170 mm

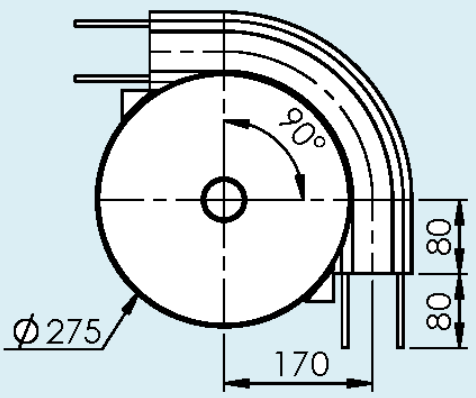
FHBH 60R170A with protective cover



Horizontal wheel bend, 90°

FHBH 90R170 Radius to centre of chain 170 mm

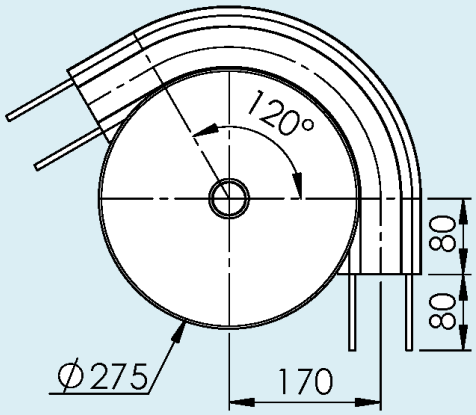
FHBH 90R170A with protective cover



FH-Horizontal wheel bends

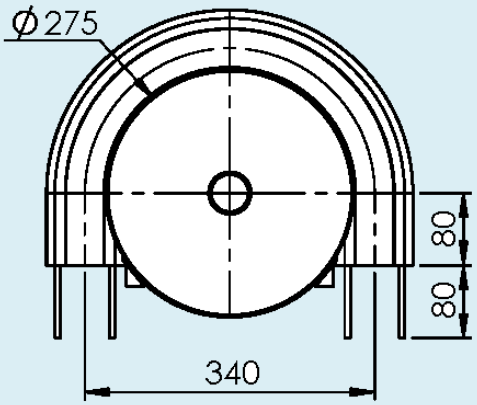
Horizontal wheel bend, 120°

FHBH 120R170 Radius to centre of chain 170 mm
FHBH 120R170A with protective cover



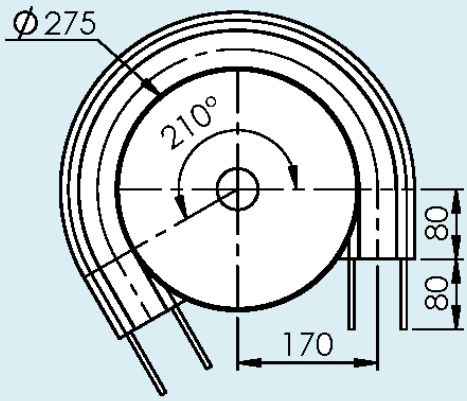
Horizontal wheel bend, 180°

FHBH 180R170 Radius to centre of chain 170 mm
FHBH 180R170A with protective cover



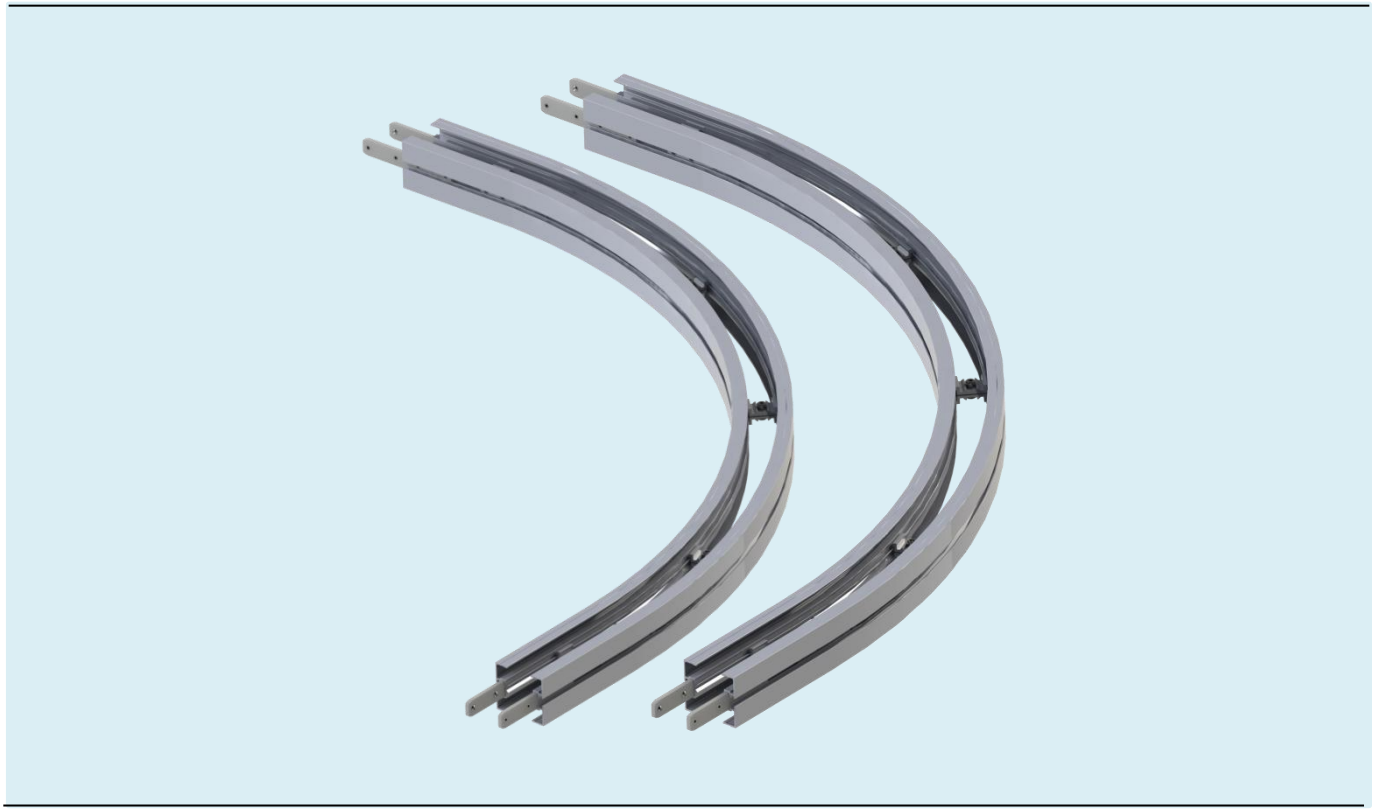
Horizontal wheel bend, 210°

FHBH 210R170 Radius to centre of chain 170 mm
FHBH 210R170A with protective cover



FH

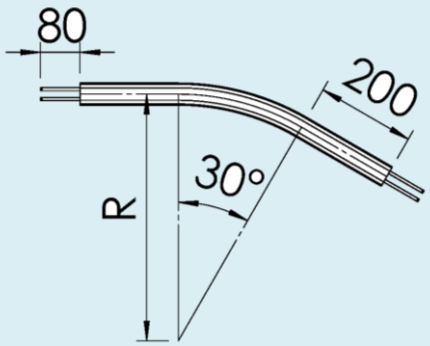
Horizontal plain bends



Horizontal plain bends

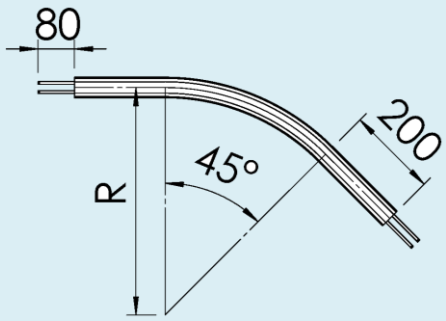
Horizontal plain bend, 30°
Radius to centre of beam:

FHBP 30R500	R=500 mm
FHBP 30R700	R=700 mm
FHBP 30R1000	R=1000mm



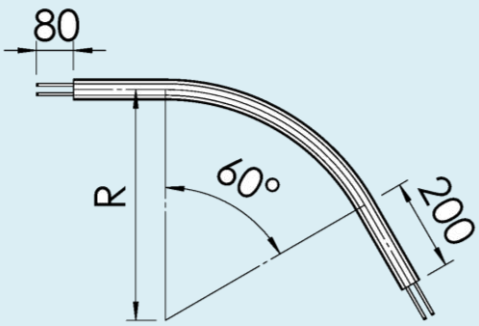
Horizontal plain bend, 45°
Radius to centre of beam:

FHBP 45R500	R=500 mm
FHBP 45R700	R=700 mm
FHBP 45R1000	R=1000mm



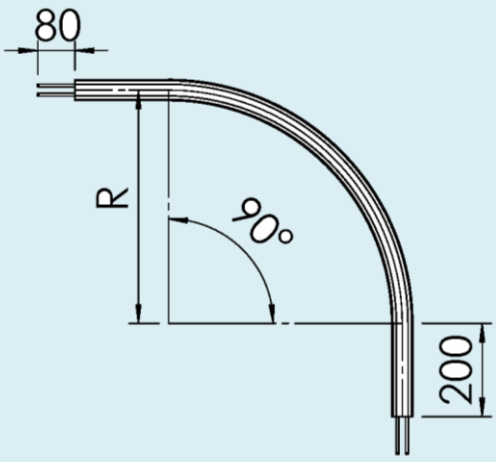
Horizontal plain bend, 60°
Radius to centre of beam:

FHBP 60R500	R=500 mm
FHBP 60R700	R=700 mm
FHBP 60R1000	R=1000mm



Horizontal plain bend, 90°
Radius to centre of beam:

FHBP 90R500	R=500 mm
FHBP 90R700	R=700 mm
FHBP 90R1000	R=1000mm



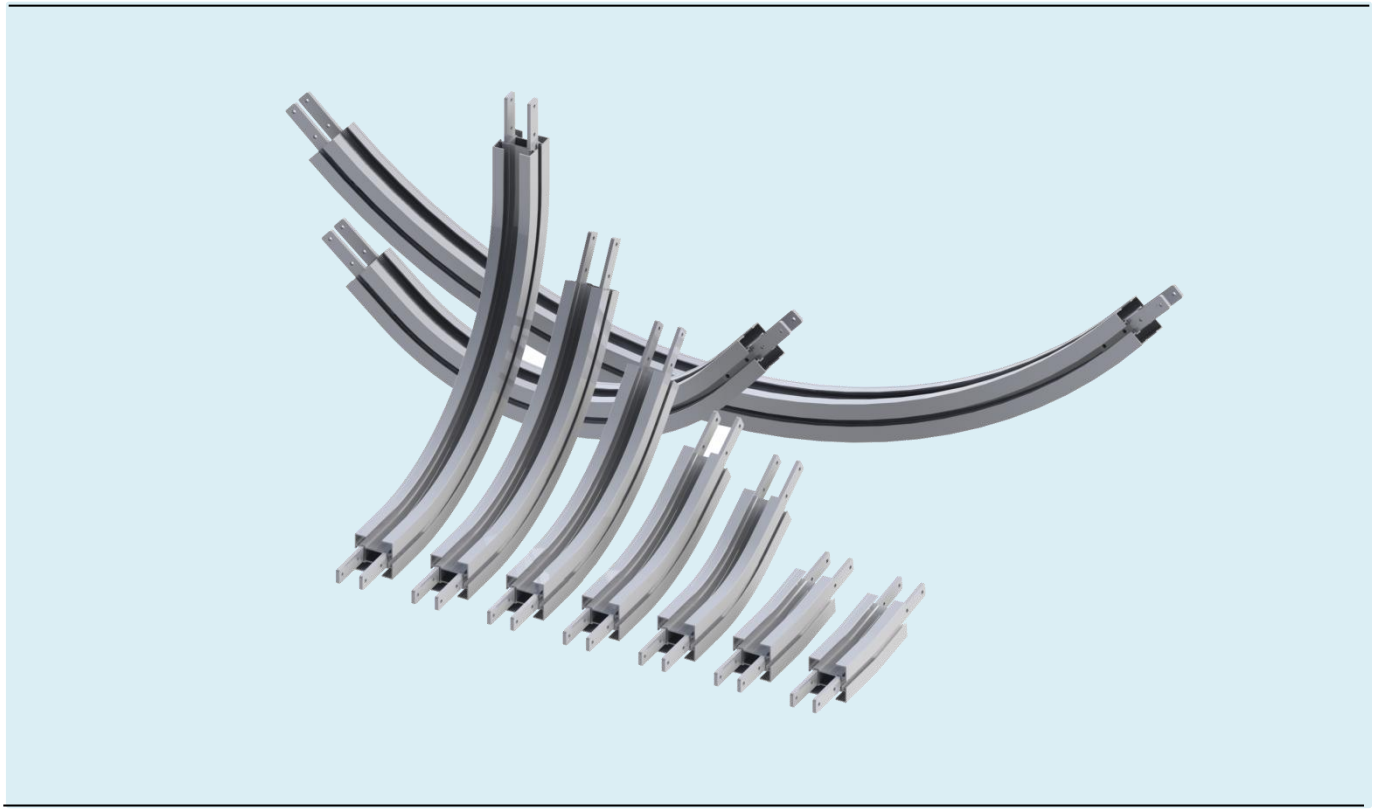
Support rail for plain bends

F5048598	Length 2.4mt

FH

* Note: Special angles on request.

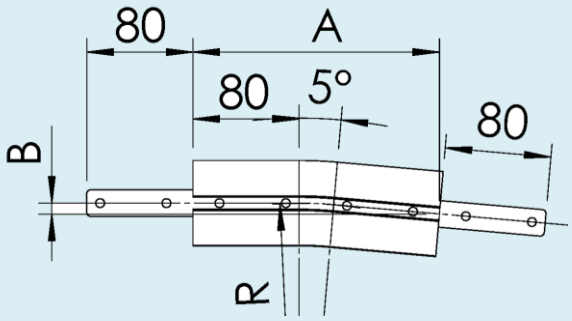
Vertical bends



Vertical bends

Vertical bend, 5°
Radius to centre of beam:

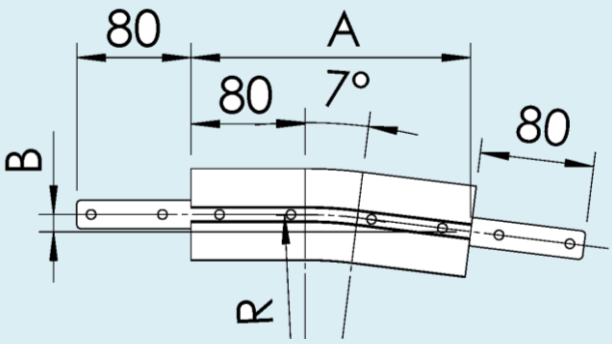
FHBV 5R400 R=400 mm



	R	A	B
FHBV 5R400	400	195	9

Vertical bend, 7°
Radius to centre of beam:

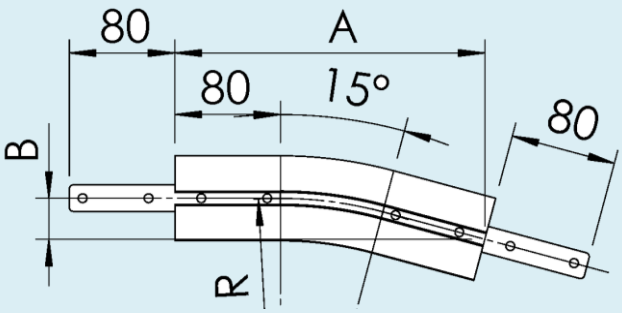
FHBV 7R400 R=400 mm



	R	A	B
FHBV 7R400	400	208	13

Vertical bend, 15°
Radius to centre of beam:

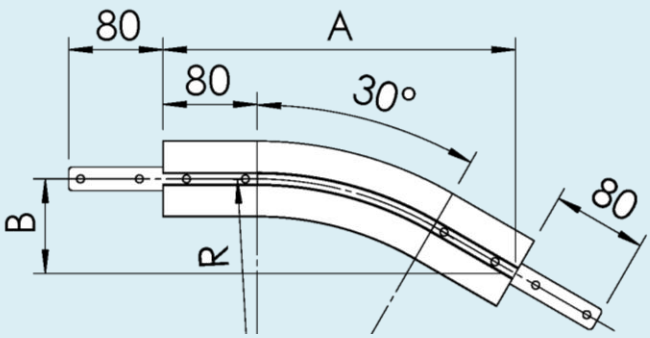
FHBV 15R400 R=400 mm
FHBV 15R700 R=700 mm



	R	A	B
FHBV 15R400	400	261	34
FHBV 15R700	700	338	45

Vertical bend, 30°
Radius to centre of beam:

FHBV 30R400 R=400 mm
FHBV 30R1000 R=1000 mm



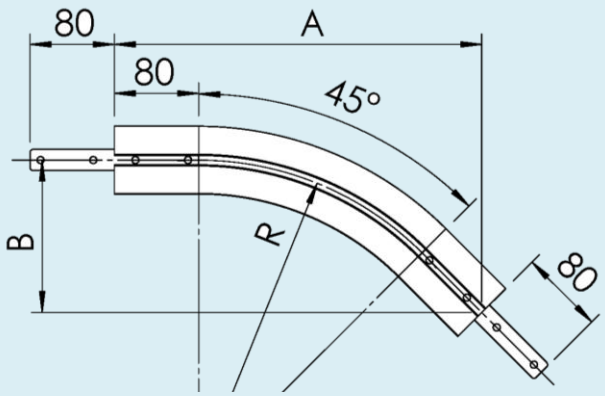
	R	A	B
FHBV 30R400	400	349	94
FHBV 30R1000	1000	649	174

* Note: Special angles on request.

Vertical bends

Vertical bend, 45°
Radius to centre of beam:

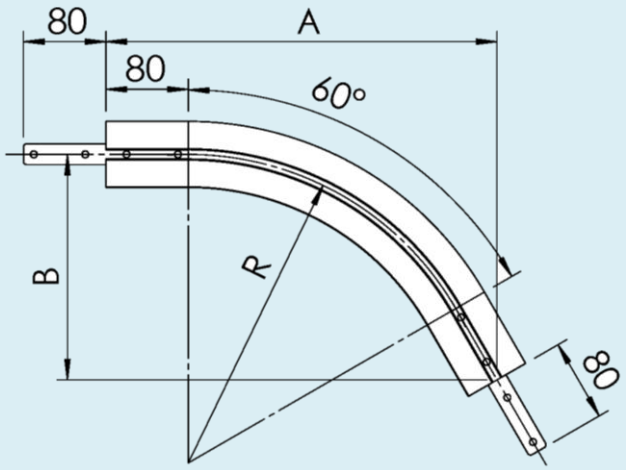
FHBV 45R400 R=400 mm
FHVB 45R1000 R=1000 mm



	R	A	B
FHBV 45R400	400	419	174
FHBV 45R1000	1000	844	350

Vertical bend, 60°
Radius to centre of beam:

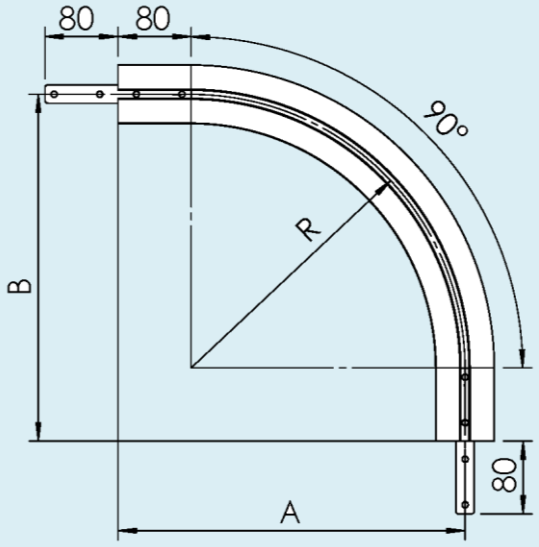
FHBV 60R400 R=400 mm
FHBV 60R1000 R=1000 mm



	R	A	B
FHBV 60R400	400	466	269
FHBV 60R1000	1000	986	569

Vertical bend, 90°
Radius to centre of beam:

FHBV 90R400 R=400 mm
FHBV 90R1000 R=1000 mm



	R	A	B
FHBV 90R400	400	480	480
FHVB 90R1000	1000	1080	1080

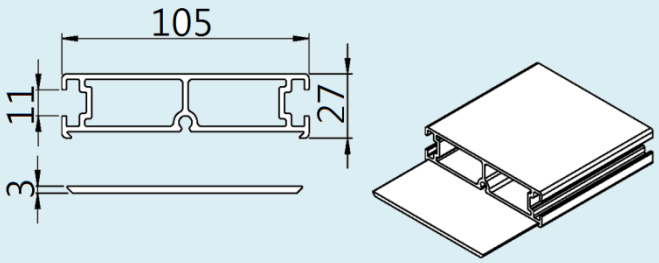
* Note: Special angles on request.

Front piece

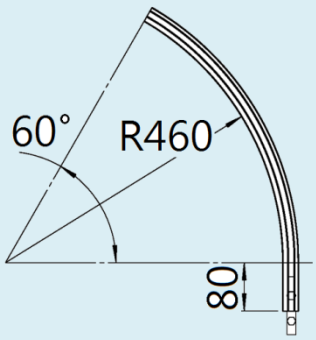
Front piece

FHVF 3 Front piece
Length 3 mt

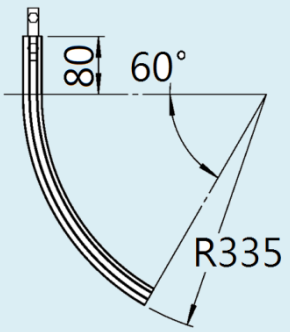
FHVG 2 Sliding strip for front piece
Length 2 mt



FHVA 60R460 Upper bend, 60°
Radius 460 mm
Includes connecting strip with screws

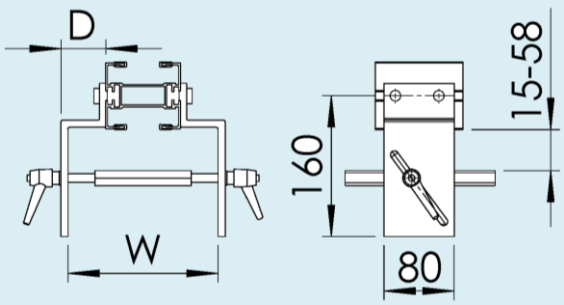


FHVB 60R335 Lower bend, 60°
Radius 335 mm
Includes connecting strip with screws

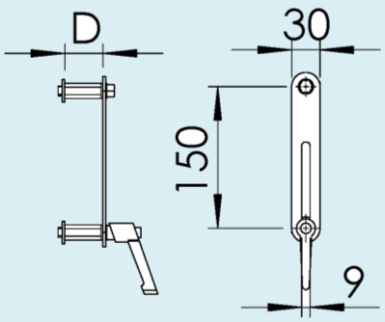


FHVK 43 Linkage kit for front piece
W=170 mm
D= 43 mm

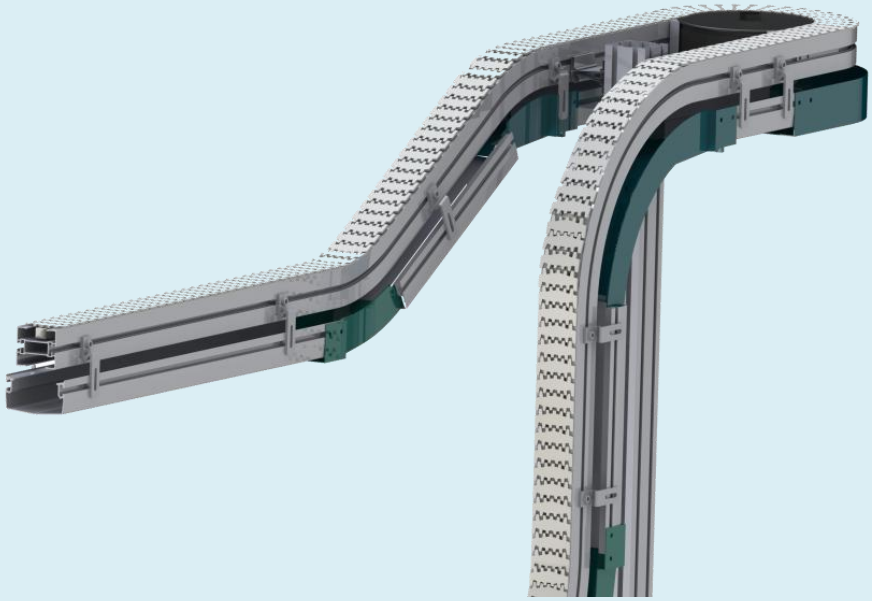
Kit consists of two support pairs.



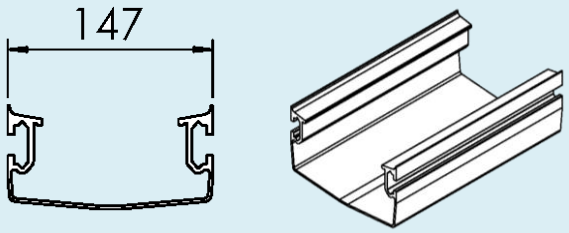
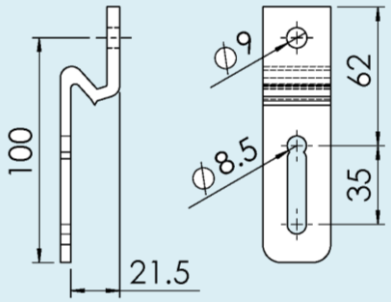
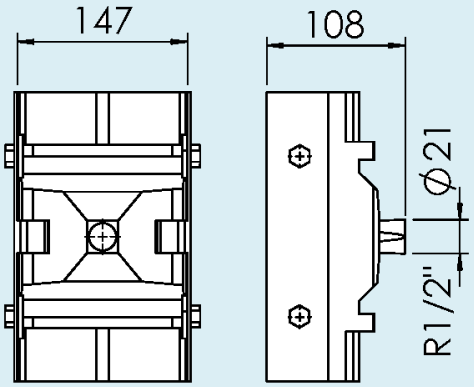
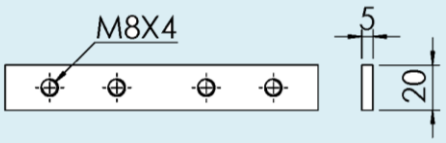
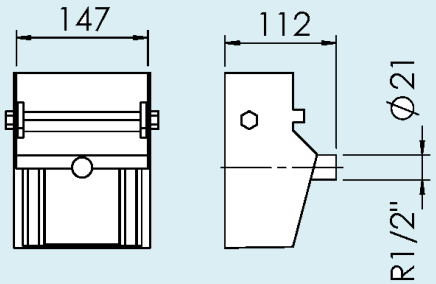
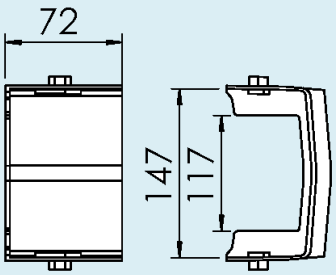
FHVS 43 Bend support
D= 43 mm



Drip trays and drip chatchers

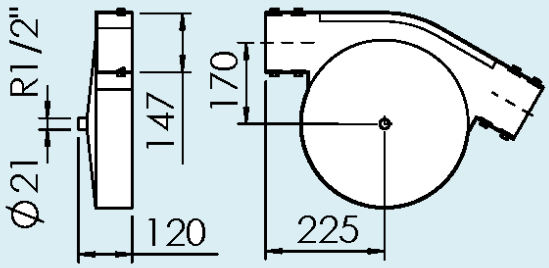


Drip trays

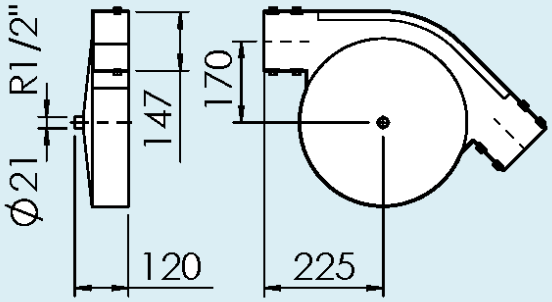
FHDT 3x147 B	Drip tray Length 3 mt	
FLDB 21X100	Drip tray bracket	
FHDJ 147 B	Drip tray connector With drip outlet Including screw kit	
FLCJ 5X140	Connecting strip with set screws Length 140 mm	
FHDE 147 B	End pan for drip tray With drip outlet Including screw kit	
FHDC 147 B	End cap for drip tray Including screw kit	

Drip pans

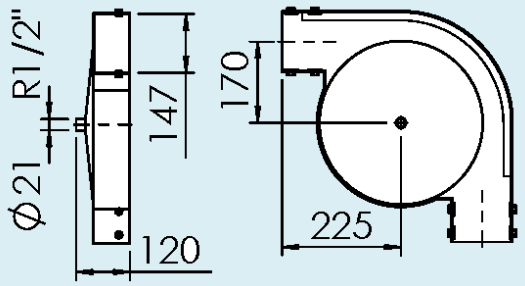
FHDH 30X147 B Drip pan for horizontal wheel bend 30° ,including screw kit



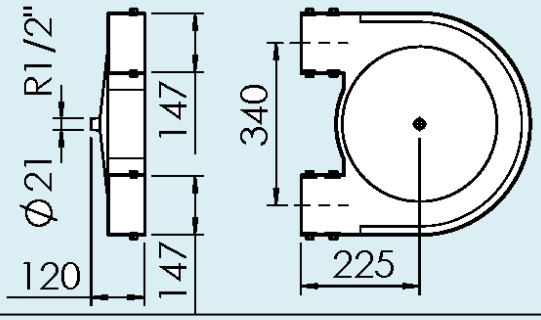
FHDH 45X147 B Drip pan for horizontal wheel bend 45°,including screw kit



FHDH 90X147 B Drip pan for horizontal wheel bend 90°,including screw kit



FHDH 180X147 B Drip pan for horizontal wheel bend 180°, including screw kit

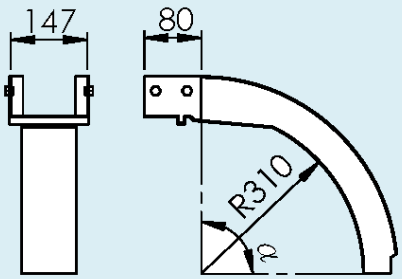


FH

Drip pans

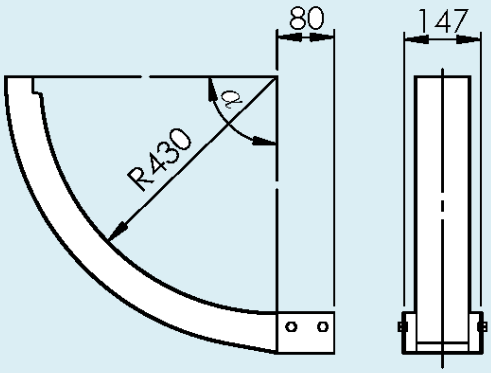
Drip pan, upper,
for vertical bend
Including screw kit

FHDV 30X147 BU	α=30°
FHDV 45X147 BU	α=45°
FHDV 90X147 BU	α=90°
FHDV 180X147 BU	α=180°

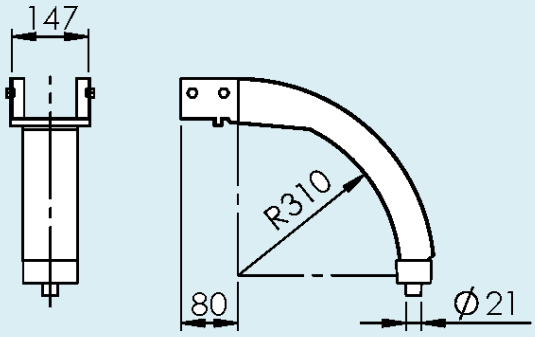


Drip pan, lower,
for vertical bend
Including screw kit

FHDV 30X147 BL	α=30°
FHDV 45X147 BL	α=45°
FHDV 90X147 BL	α=90°
FHDV 180X147 BL	α=180°

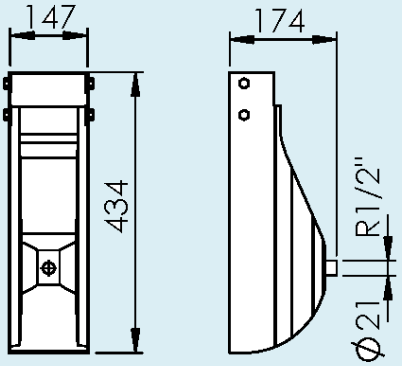


FHDV 90X147 B Drip pan, upper, for 90°
vertical bend
With drip outlet
Including screw kit



End pan for idler end unit

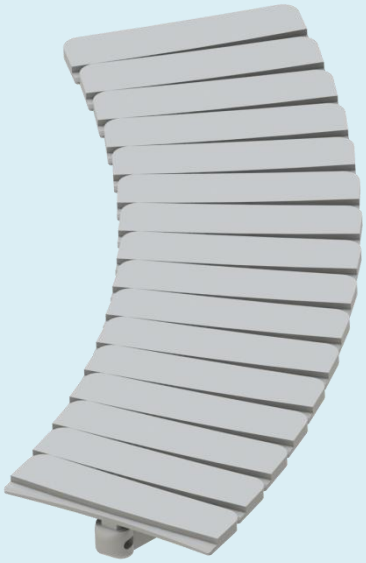
FHDD 147 B End pan for idler end unit
With drip outlet
Including screw kit



Conveyor system FB-140

Contents

Chains 2
Conveyor beam 4
End drive units 7
Idler unit 8
Horizontal plain bends 11
Vertical bends 13
FB-Support brackets 15

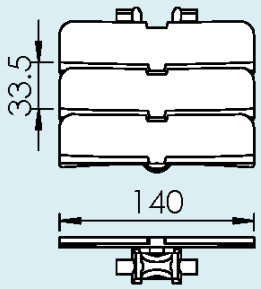


Chain

Plain chain

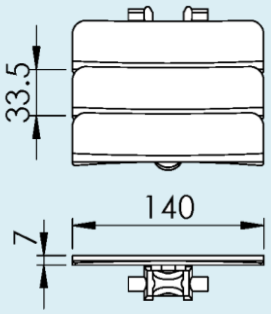
FBTP 3A140 Plain chain
Length 5 mt

FBTL 140 Plain link



FBTP 3A140 A Plain chain
Length 5 mt

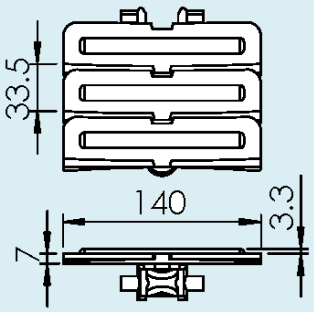
FBTL 140 A Plain link



Friction top chain

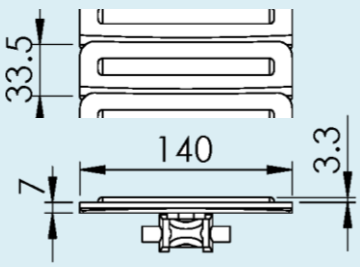
FBTP 3A140 F Plain chain
Length 5 mt

FBTL 140 F Plain link



FBTP 3A140 FA Plain chain
Length 5 mt

FBTL 140 FA Plain link

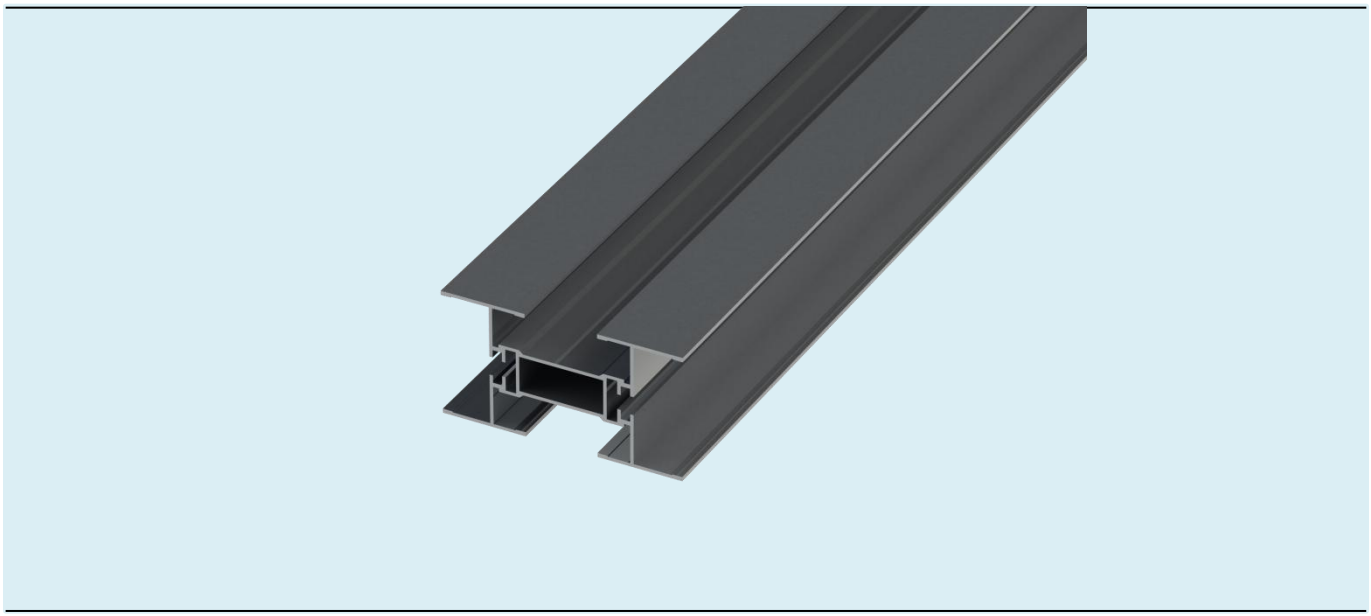


Tools and accessories

FBTT 13X16 Plastic pivot
FMTT 13X16 Plastic pivot
FMTD 6X50 Steel pin
FMMJ 6 Pin insertion tool
FDSS 450 Silicone-based lubricant

FB-140

Conveyor beam

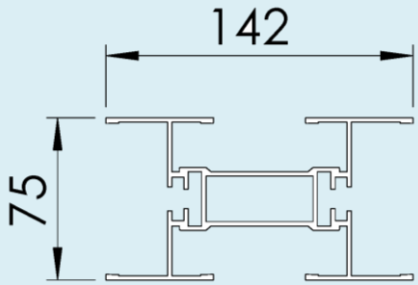


Conveyor beam

modular automation®

Beam

FBCB 3A140 Length 3 m

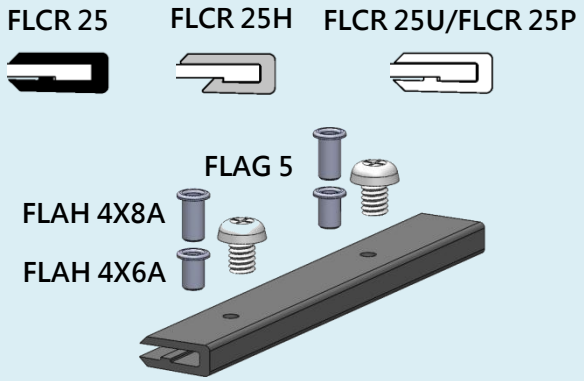


Slide rail Length 25 m

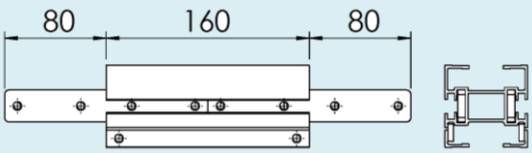
FLCR 25 HDPE Black
FLCR 25U UHMW White
FLCR 25P PVDF White
FLCR 25H HDPE+PE6 Gray

FLAH 4X6A Aluminium rivet
FLAH 4X8A Aluminium rivet

FLAG 5 Plastic screw

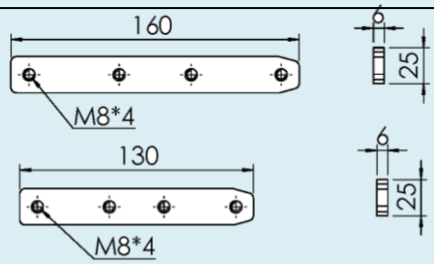


FMCC 160 Beam section for chain installation
Including connection strips and screws



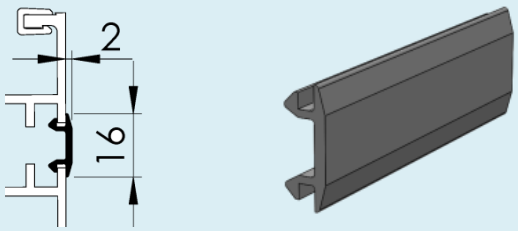
Connecting strip with set screws

FLCJ 6X130 Length 130 mm
FLCJ 6X160 Length 160 mm



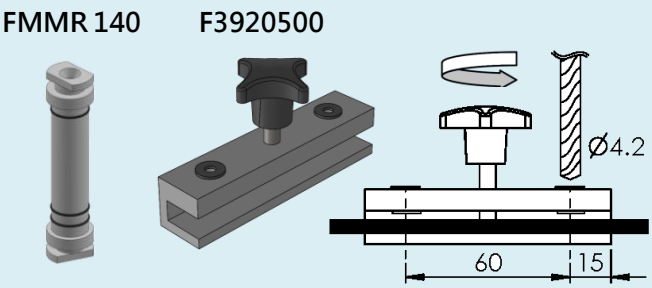
T-slot cover

FLAB 50 Length 50 m



F3920500 Drill fixture for slide rail

FMMR 140 Mounting tool

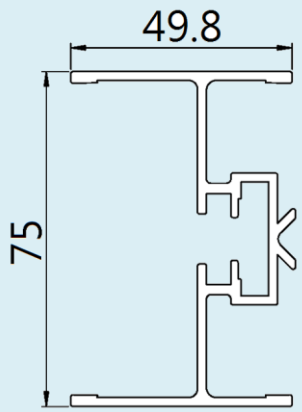


FB-140

Conveyor beam

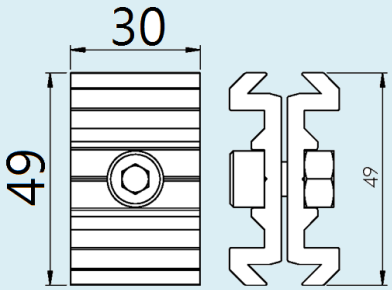
Half beam

FMCB 3H Length 3 mt

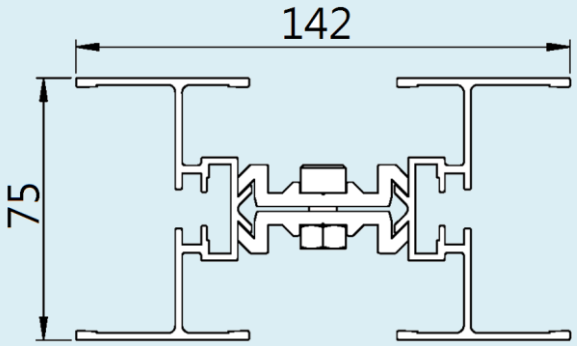


Beam clip

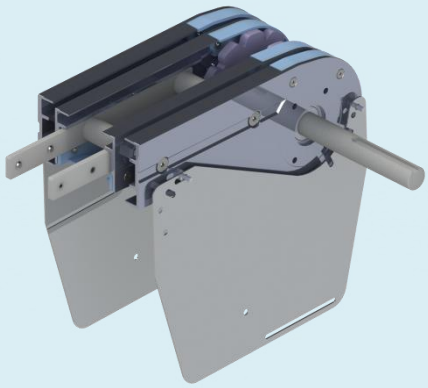
FMCE 49X30



Split Conveyor beam assembled
Length 3mt

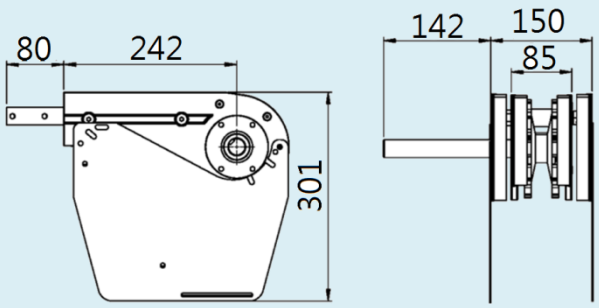


End drive units



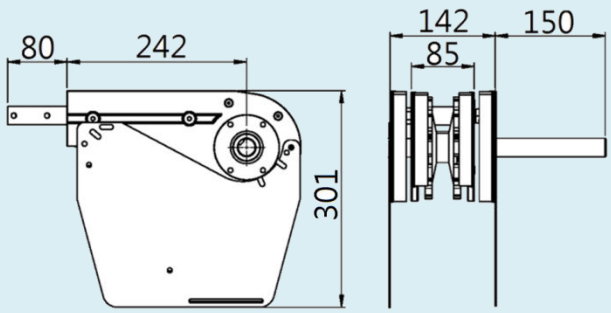
FBEB 0A140 L Drive unit

Transmission on
left-hand side

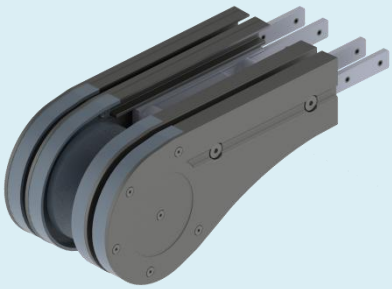


FBEB 0A140R Drive unit

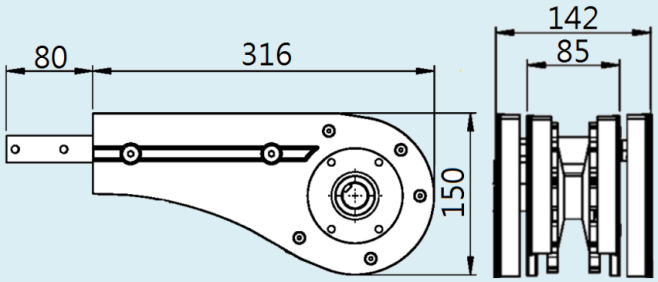
Transmission on
right-hand side



Idler end units



FBEJ 140 Idler end unit

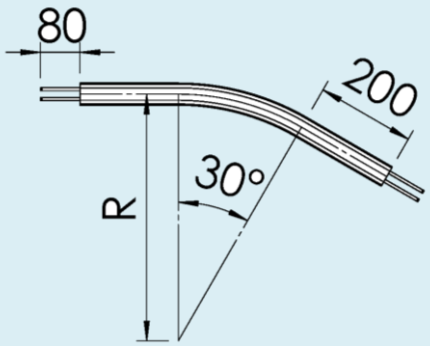


Horizontal plain bends

Horizontal plain bends

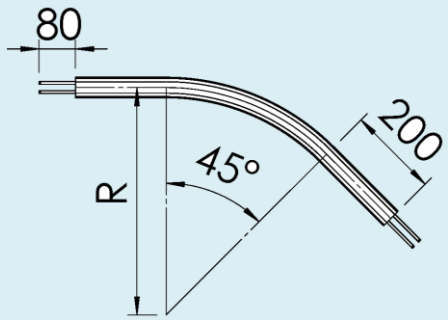
Horizontal plain bend, 30°
Radius to centre of beam:

FBBP 30A140R500	R=500 mm
FBBP 30A140R700	R=700 mm
FBBP 30A140R1000	R=1000mm



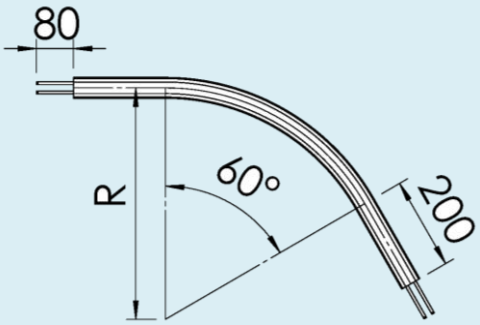
Horizontal plain bend, 45°
Radius to centre of beam:

FBBP 45A140R500	R=500 mm
FBBP 45A140R700	R=700 mm
FBBP 45A140R1000	R=1000mm



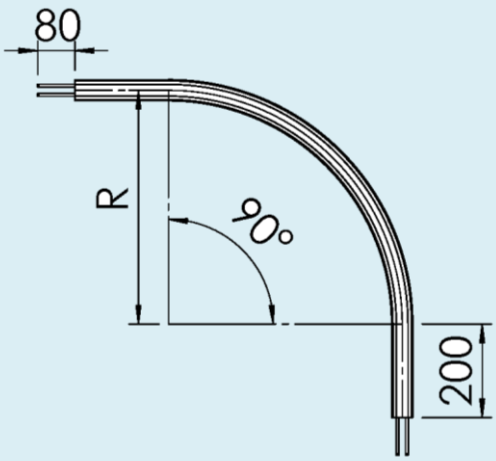
Horizontal plain bend, 60°
Radius to centre of beam:

FBBP 60A140R500	R=500 mm
FBBP 60A140R700	R=700 mm
FBBP 60A140R1000	R=1000mm



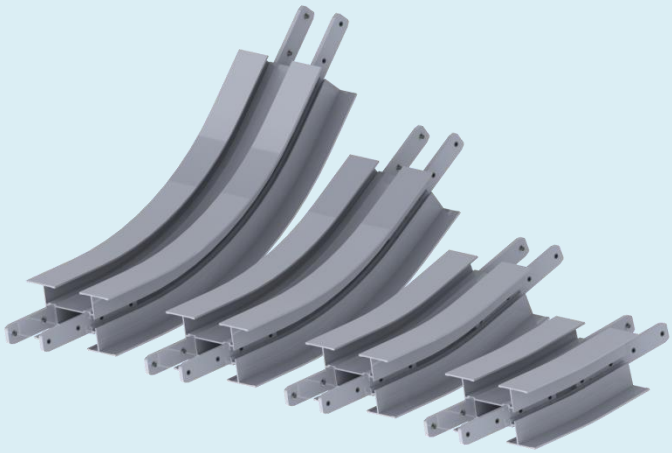
Horizontal plain bend, 90°
Radius to centre of beam:

FBBP 90A140R500	R=500 mm
FBBP 90A140R700	R=700 mm
FBBP 90A140R1000	R=1000mm



* Note: Special angles on request.

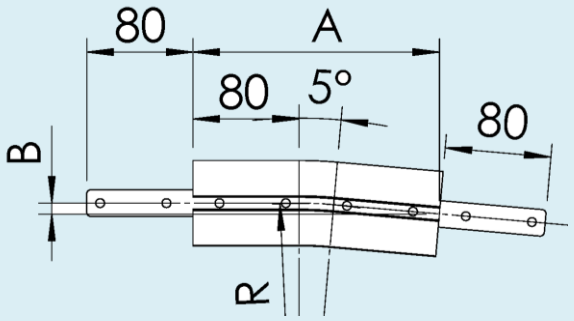
Vertical bends



Vertical bends

Vertical bend, 5°
Radius to centre of beam:

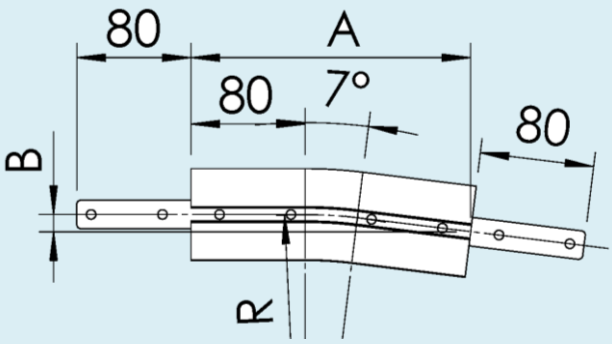
FBBV 5A140 R400 R=400 mm



	R	A	B
FBBV 5A140 R400	400	195	9

Vertical bend, 7°
Radius to centre of beam:

FBBV 7A140 R400 R=400 mm



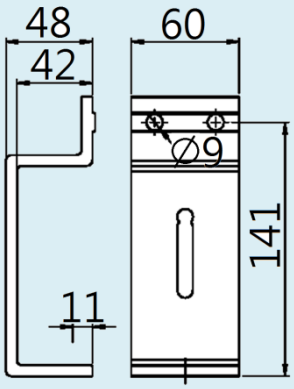
	R	A	B
FBBV 7A140 R400	400	208	13

* Note: Special angles on request.

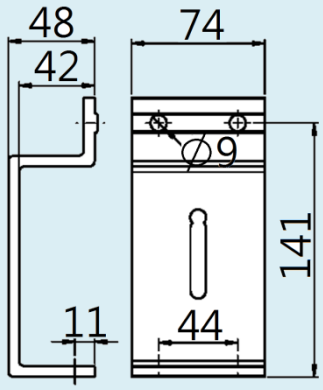
FB-Support brackets

FB-Support brackets

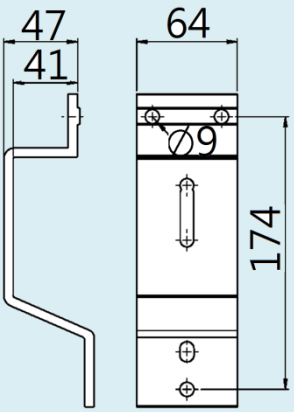
FBCT 21X135 A	Beam support bracket, For 88 mm crossing support beam



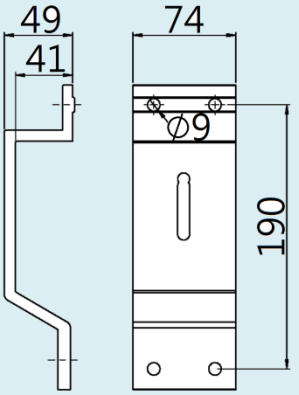
FBCT 21X135	Beam support bracket, For 88 mm crossing support beam



FBCS 64	Beam support bracket, For 64 mm vertical support beam



FBCS 88	Beam support bracket, For 88 mm vertical support beam

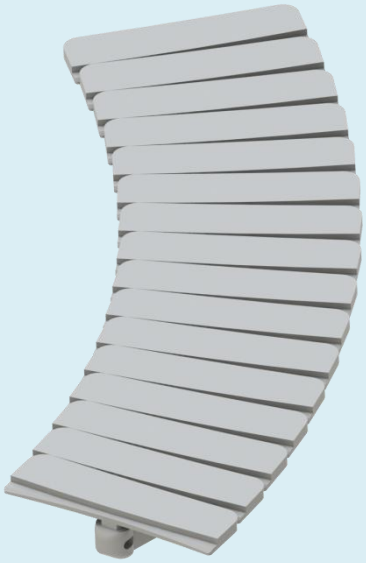


* Note: Special angles on request.

Conveyor system FB-175

Contents

Chains 2
Conveyor beam 4
End drive units 6
Idler unit 7
Horizontal plain bends 8
Vertical bends 10
FB-Support brackets 11

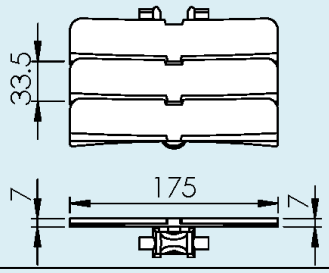


Chain

Plain chain

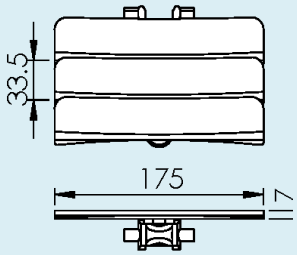
FBTP 3A175 Plain chain
Length 5 mt

FBTL 175 Plain link



FBTP 3A175 A Plain chain
Length 5 mt

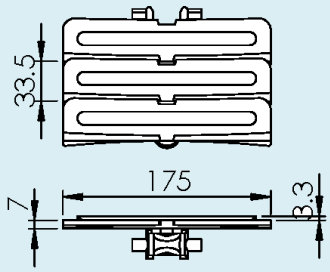
FBTL 175 A Plain link



Friction top chain

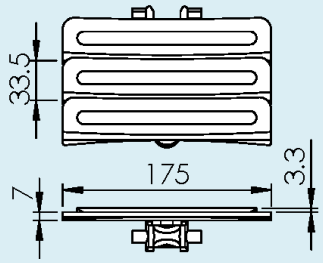
FBTP 3A175 F Plain chain
Length 5 mt

FBTL 175 F Plain link



FBTP 3A175 AF Plain chain
Length 5 mt

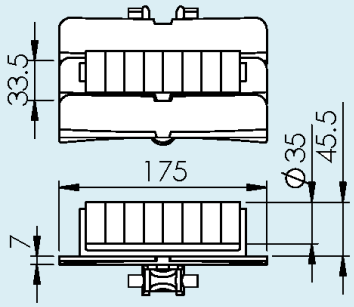
FBTL 175 AF Plain link



FBTL 175X46R Roller top chain

See Note Plain link

Note. This type of chain requires minimum .One plain link between every cleated link.

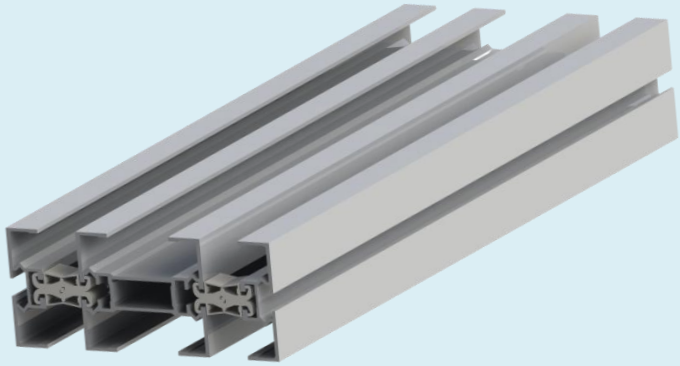


Tools and accessories

FBTT 13X16 Plastic pivot
FMTT 13X16 Plastic pivot
FMTD 6X50 Steel pin
FMMJ 6 Pin insertion tool
FDSS 450 Silicone-based lubricant

FB-175

Conveyor beam

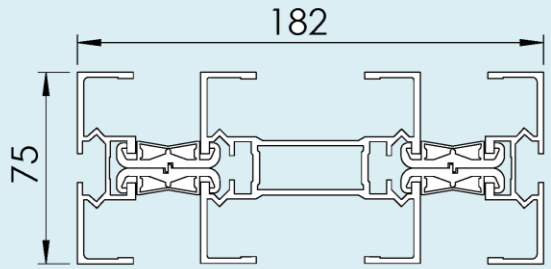


Conveyor beam

modular automation®

Beam

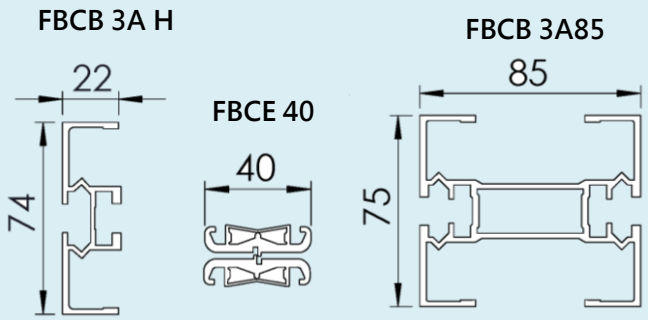
FBCB 3A175 Length 3 mt



FBCB 3A85 Length 3 mt

FBCB 3A H Length 3 mt

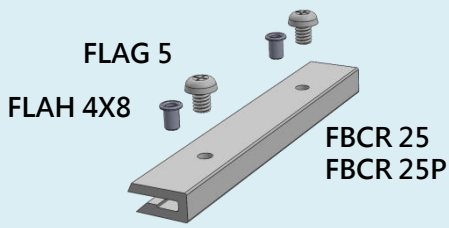
FBCE 40 Snap-fit clip kit for outer beam



Slide rail Length 25 m
FBCR 25 HDPE White
FBCR 25P PVDF White

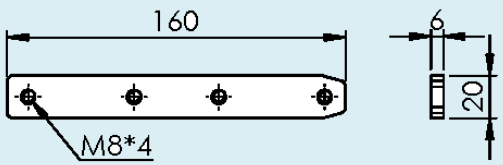
FLAH 4X8A Aluminium rivet

FLAG 5 Plastic screw



Connecting strip with set screws

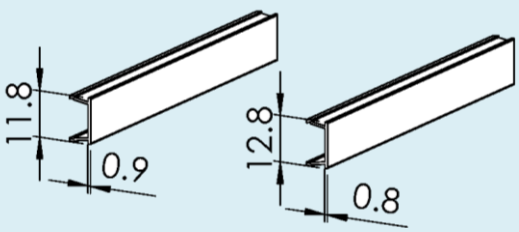
FSCJ 6X160 H=20 mm
Length 160 mm



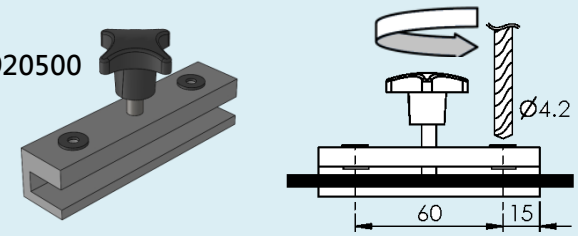
T-slot cover

FCAC 2 Aluminium Length 2 mt

FCAC 3P Polyvinyl chloride
Length 3 mt

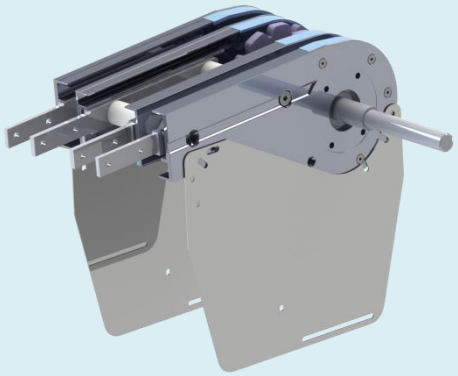


F3920500 Drill fixture for slide rail

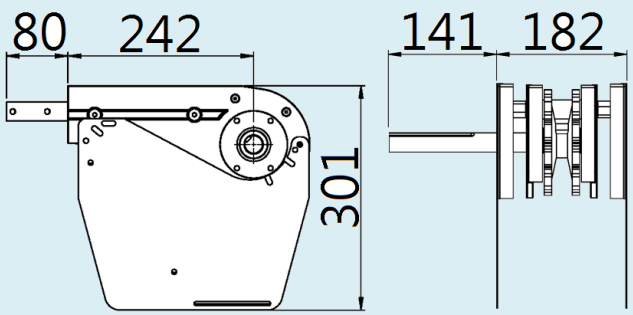


FB-175

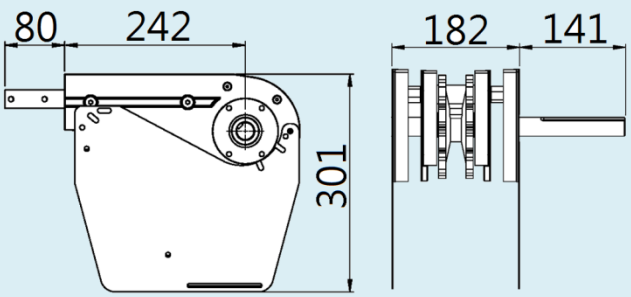
End drive units



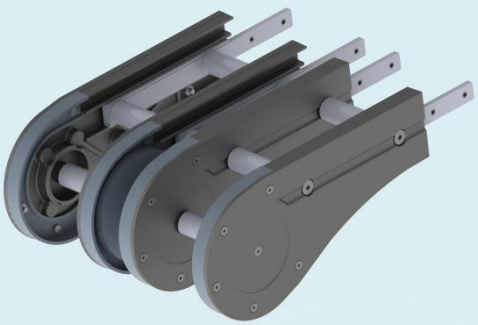
FBEB 0A175 L Drive unit
Transmission on
left-hand side



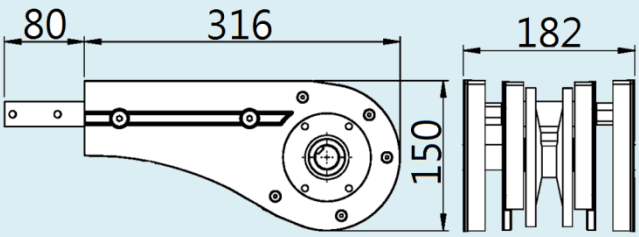
FBEB 0A175R Drive unit
Transmission on
right-hand side



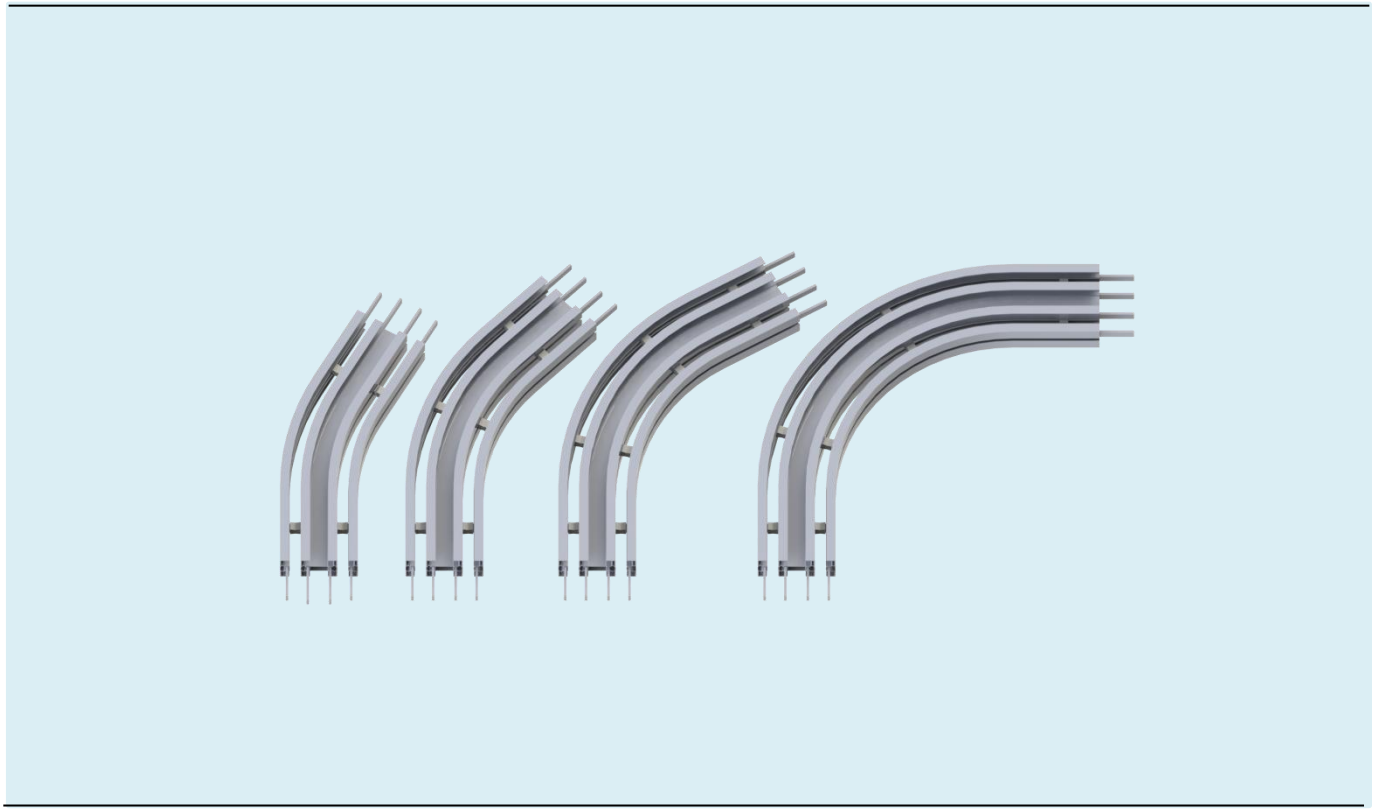
Idler end units



FBEJ 175 Idler end unit



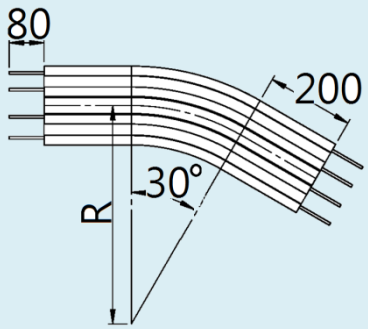
Horizontal plain bends



Horizontal plain bends

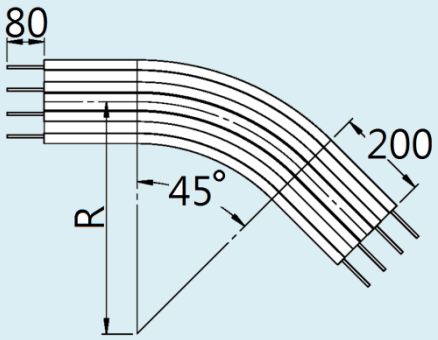
Horizontal plain bend, 30°
Radius to centre of beam:

FBBP 30A175R500	R=500 mm
FBBP 30A175R700	R=700 mm
FBBP 30A175R1000	R=1000mm



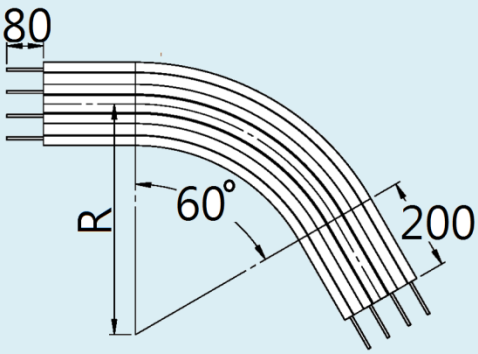
Horizontal plain bend, 45°
Radius to centre of beam:

FBBP 45A175R500	R=500 mm
FBBP 45A175R700	R=700 mm
FBBP 45A175R1000	R=1000mm



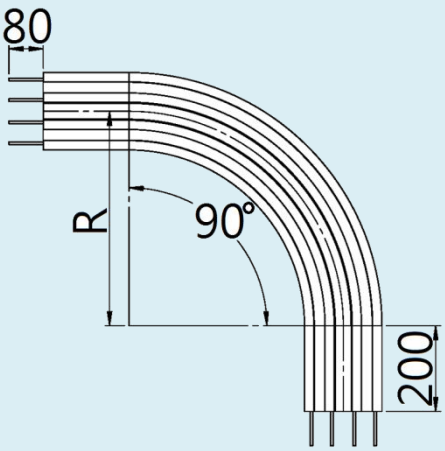
Horizontal plain bend, 60°
Radius to centre of beam:

FBBP 60A175R500	R=500 mm
FBBP 60A175R700	R=700 mm
FBBP 60A175R1000	R=1000mm



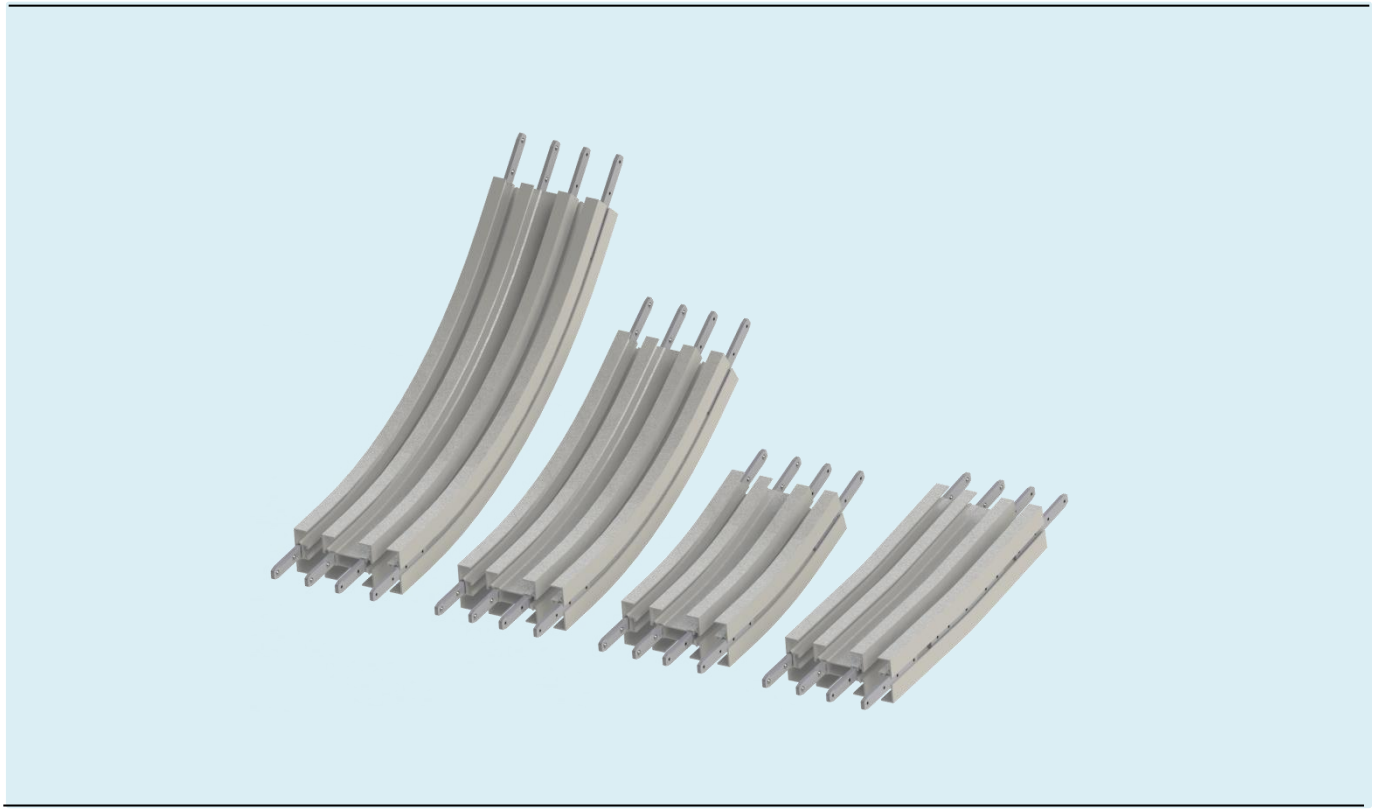
Horizontal plain bend, 90°
Radius to centre of beam:

FBBP 90A175R500	R=500 mm
FBBP 90A175R700	R=700 mm
FBBP 90A175R1000	R=1000mm



* Note: Special angles on request.

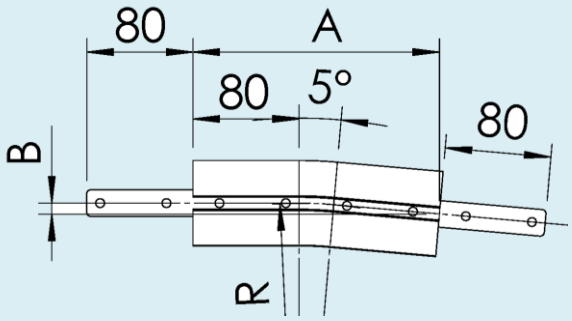
Vertical bends



Vertical bends

Vertical bend, 5°
Radius to centre of beam:

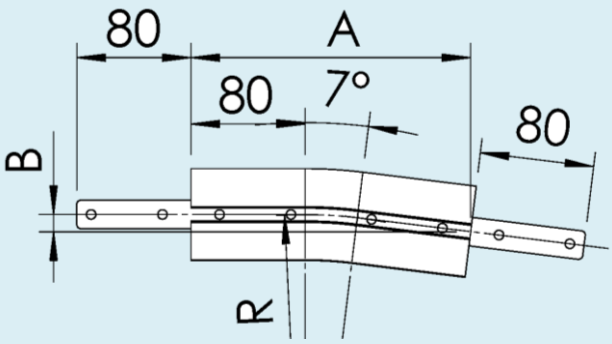
FBBV 5A175 R750 R=750 mm



	R	A	B
FBBV 5A175 R750	750	225	10

Vertical bend, 7°
Radius to centre of beam:

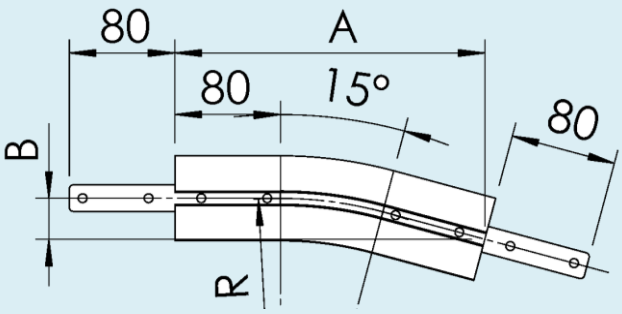
FBBV 7A175 R750 R=750 mm



	R	A	B
FBBV 7A175 R750	750	251	15

Vertical bend, 15°
Radius to centre of beam:

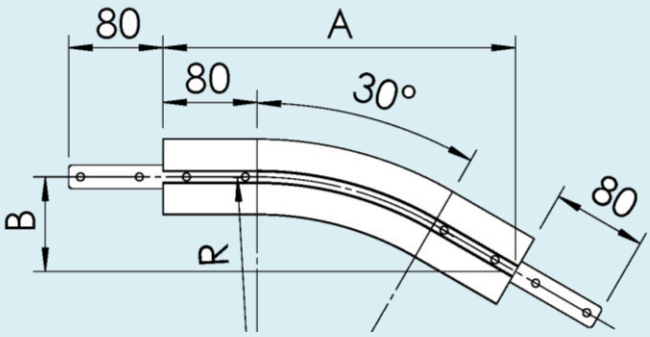
FBBV 15A170 R750 R=750 mm



	R	A	B
FBBV 15A175 R750	750	351	46

Vertical bend, 30°
Radius to centre of beam:

FBBV 30A175 R750 R=750 mm



	R	A	B
FBBV 30A175 R750	750	524	141

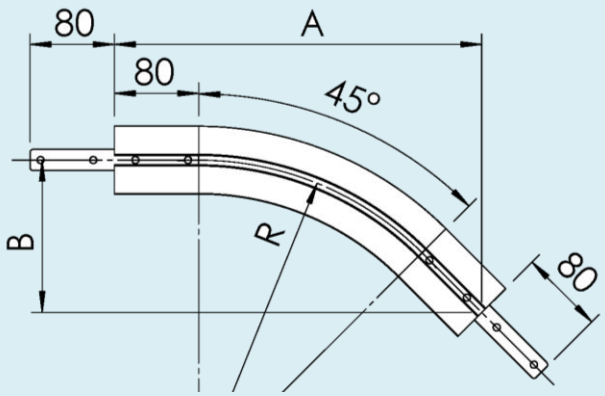
* Note: Special angles on request.

Tel +496151 8701 0915
Sales@modular-automation.de

Vertical bends

Vertical bend, 45°
Radius to centre of beam:

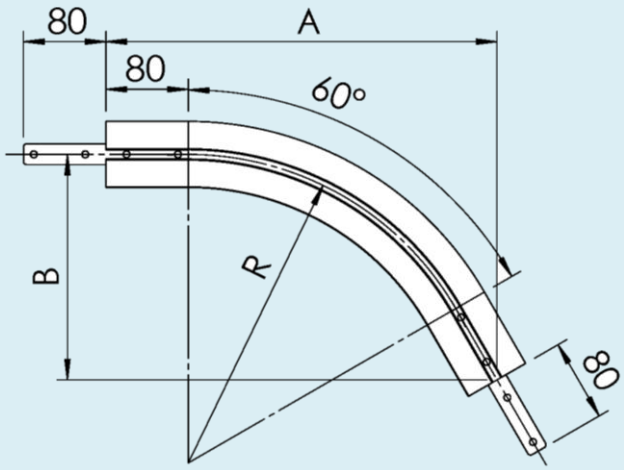
FBBV 45A175 R750 R=750 mm



	R	A	B
FBBV 45A175 R750	750	667	277

Vertical bend, 60°
Radius to centre of beam:

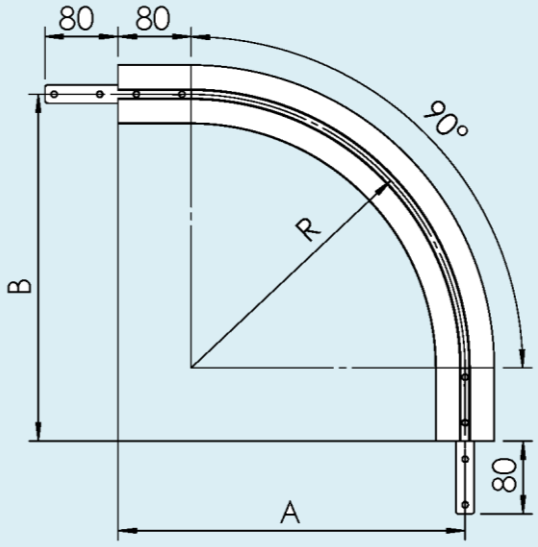
FBBV 60A175 R750 R=750 mm



	R	A	B
FBBV 60A175 R750	750	770	444

Vertical bend, 90°
Radius to centre of beam:

FBBV 90A175 R750 R=750 mm

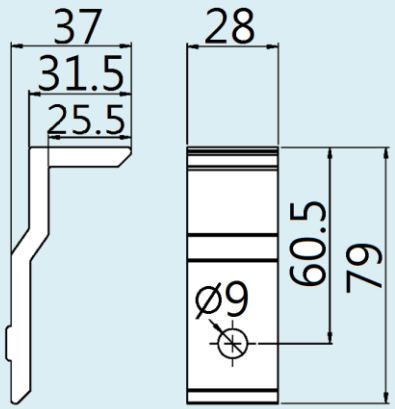


	R	A	B
FBBV 90A175 R750	750	830	830

* Note: Special angles on request.

FB-Support brackets

FBRB 22X63	Beam support bracket



Conveyor system FB-295

modular automation®

FB-295

Contents

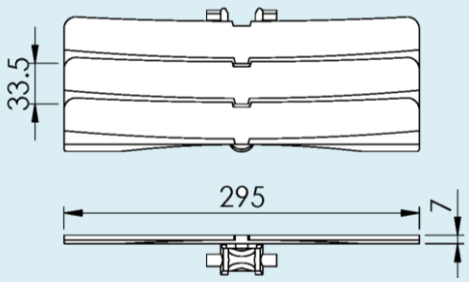
Chains ____ 2
Conveyor beam ____ 4
End drive units ____ 6
Idler unit ____ 7
Horizontal plain bends ____ 8
Vertical bends ____ 10

Chain

Plain chain

FBTP 3A295 Plain chain
Length 5 mt

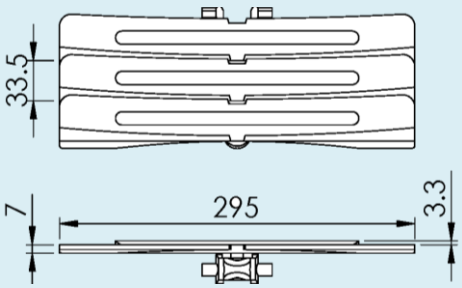
FBTL 295 Plain link



Friction top chain

FBTP 3A175 F Plain chain
Length 5 mt

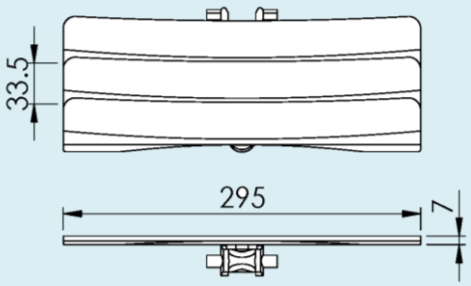
FBTL 175 F Plain link



Plain chain

FBTP 3A295 A Plain chain
Length 5 mt

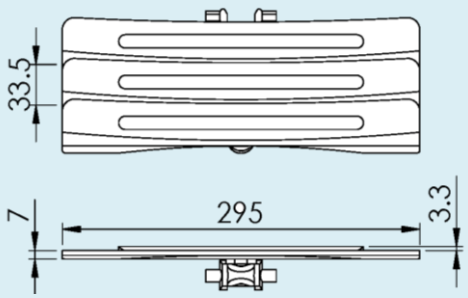
FBTL 295 A Plain link



Friction top chain

FBTP 3A175 AF Plain chain
Length 5 mt

FBTL 175 AF Plain link

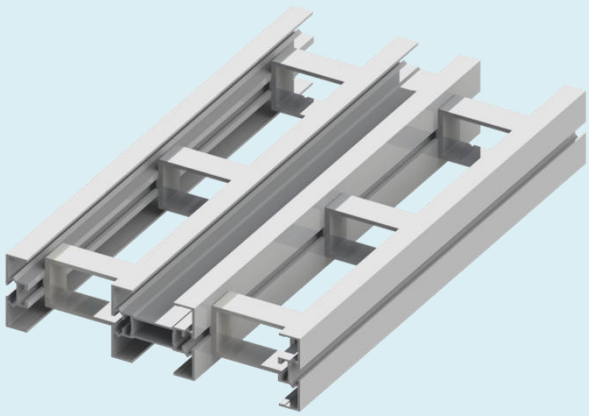


Tools and accessories

FBTT 13X16	Plastic pivot
FMTT 13X16	Plastic pivot
FMTD 6X50	Steel pin
FMMJ 6P	Pin insertion tool
FMMJ 6	Pin insertion tool
FDSS 450	Silicone-based lubricant

FB-295

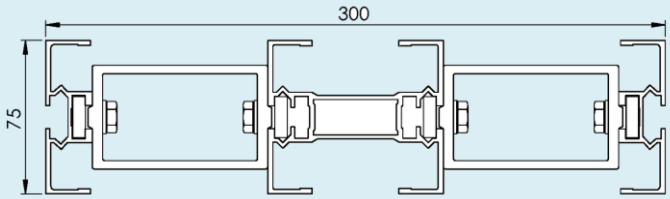
Conveyor beam



Conveyor beam

Beam

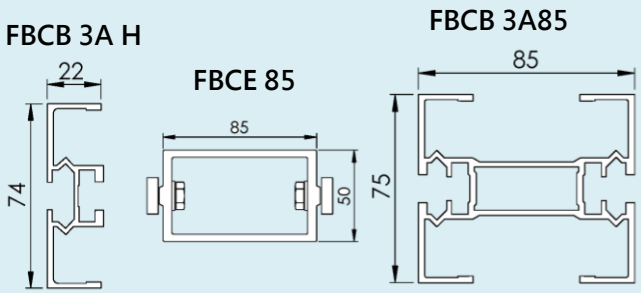
FBCB 3A295 Length 3 mt



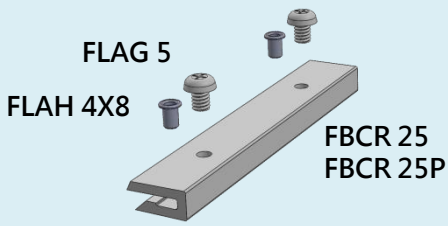
FBCB 3A85 Length 3 mt

FBCB 3A H Length 3 mt

FBCE 85 Snap-fit clip kit for outer beam

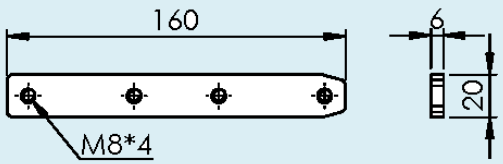


Slide rail Length 25 m
FBCR 25 HDPE White
FBCR 25P PVDF White
FLAH 4X8A Aluminium rivet
FLAG 5 Plastic screw



Connecting strip with set screws

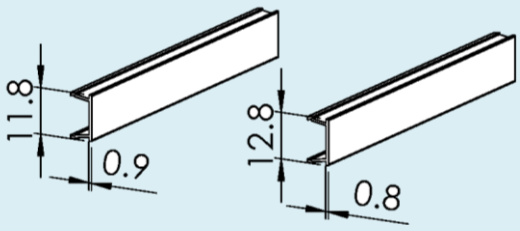
FSCJ 6X160 H=20 mm
Length 160 mm



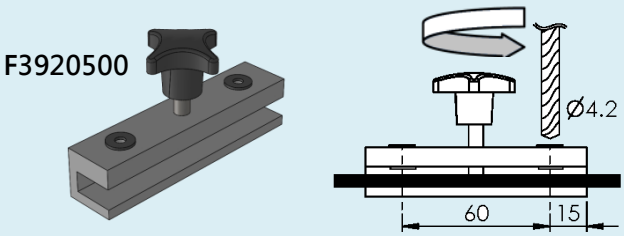
T-slot cover

FCAC 2 Aluminium Length 2 mt

FCAC 3P Polyvinyl chloride
Length 3 mt

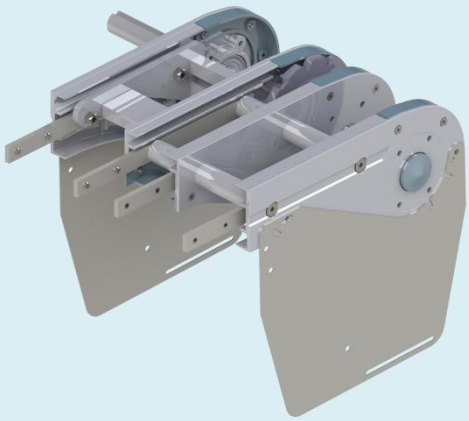


F3920500 Drill fixture for slide rail

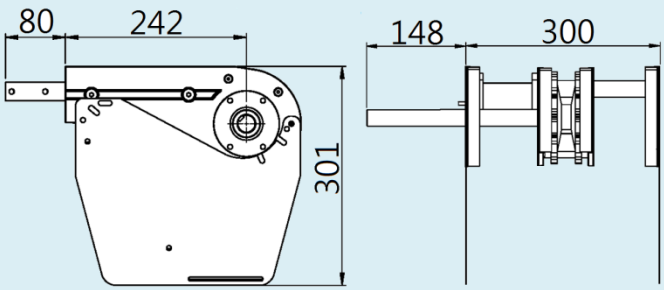


FB-295

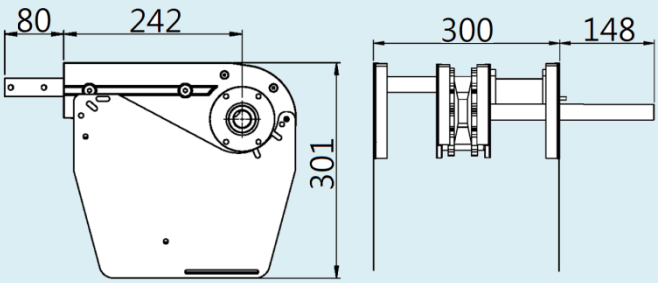
End drive units



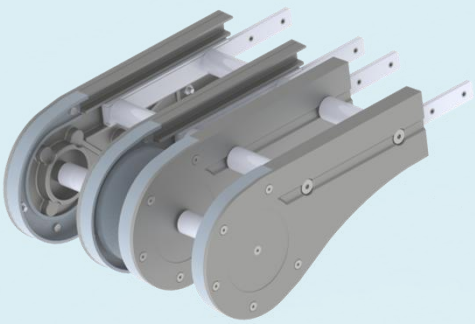
FBEB 0A295L Drive unit
Transmission on
left-hand side



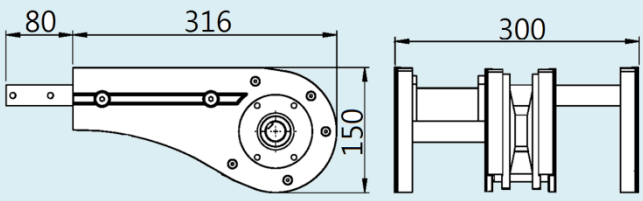
FBEB 0A295R Drive unit
Transmission on
right-hand side



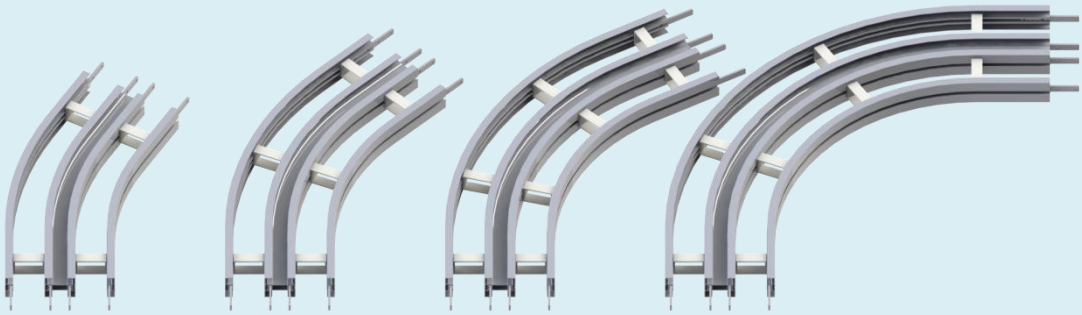
Idler end units



FBEJ 295 Idler end unit



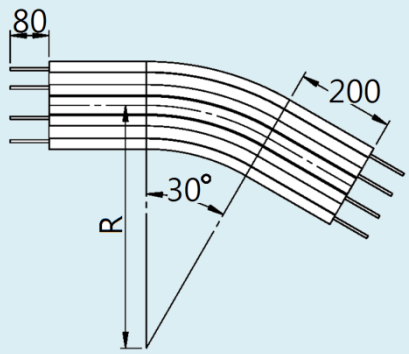
Horizontal plain bends



Horizontal plain bends

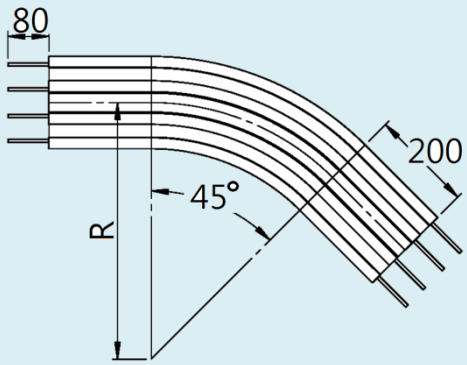
Horizontal plain bend, 30°
Radius to centre of beam:

FBBP 30A295R700 R=700 mm
FBBP 30A295R1000 R=1000mm



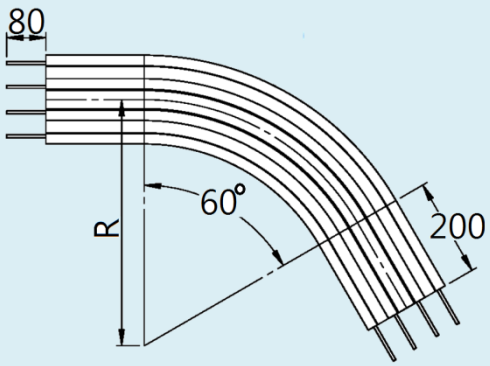
Horizontal plain bend, 45°
Radius to centre of beam:

FBBP 45A295R700 R=700 mm
FBBP 45A295R1000 R=1000mm



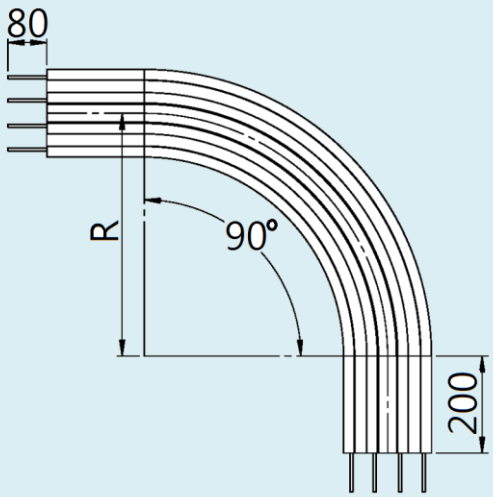
Horizontal plain bend, 60°
Radius to centre of beam:

FBBP 60A295R700 R=700 mm
FBBP 60A295R1000 R=1000mm



Horizontal plain bend, 90°
Radius to centre of beam:

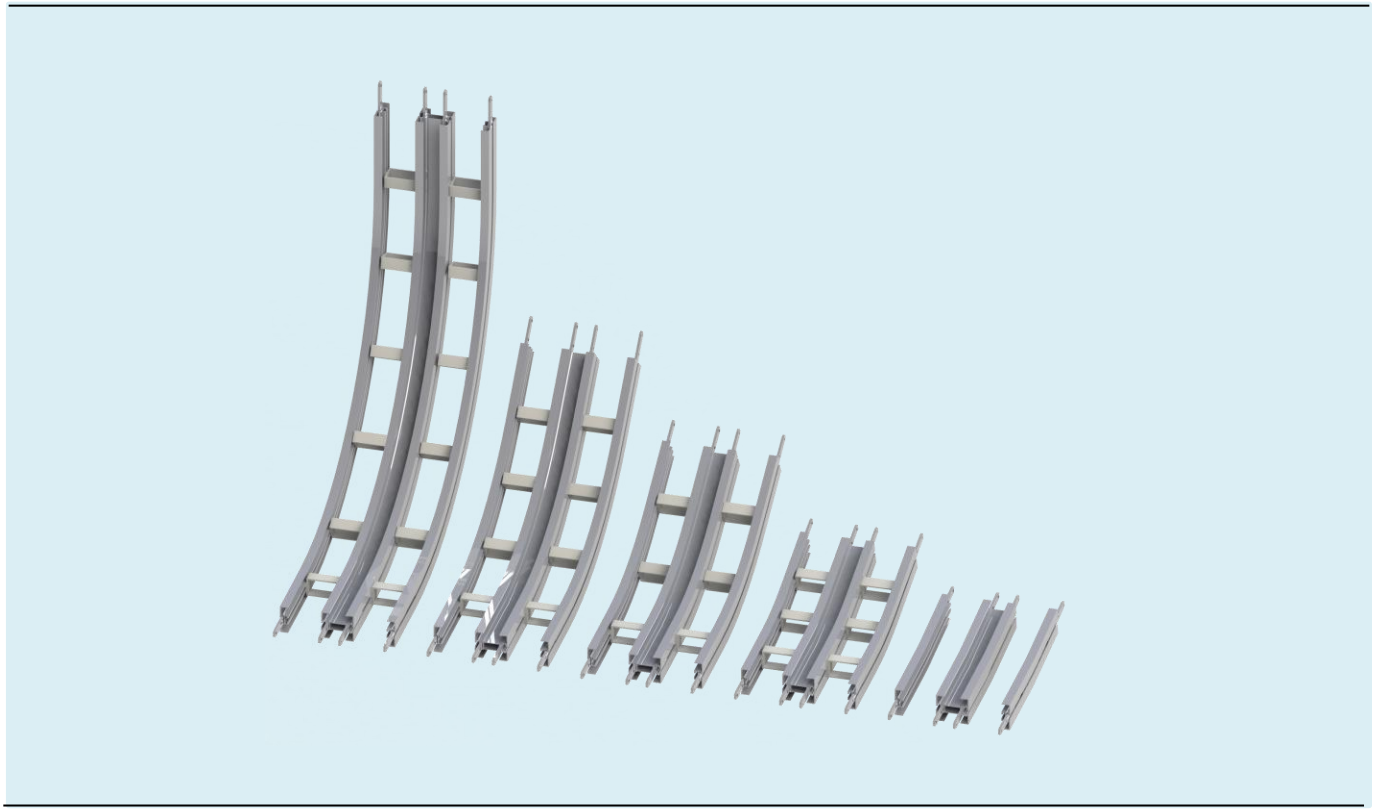
FBBP 90A295R700 R=700 mm
FBBP 90A295R1000 R=1000mm



FB-295

* Note: Special angles on request.

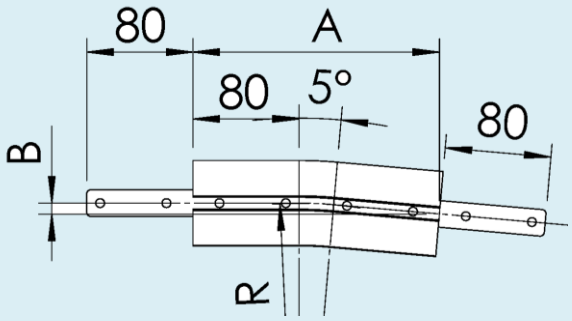
Vertical bends



Vertical bends

Vertical bend, 5°
Radius to centre of beam:

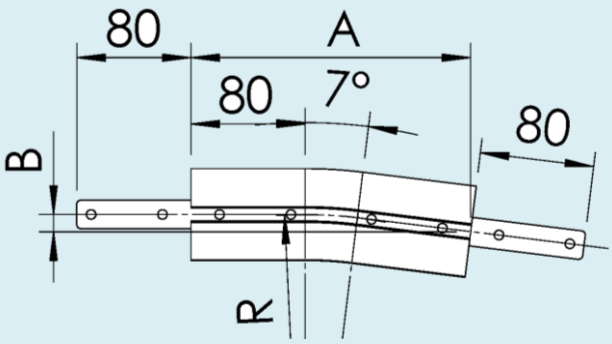
FBBV 5A295 R750 R=750 mm



	R	A	B
FBBV 5A295 R750	750	225	10

Vertical bend, 7°
Radius to centre of beam:

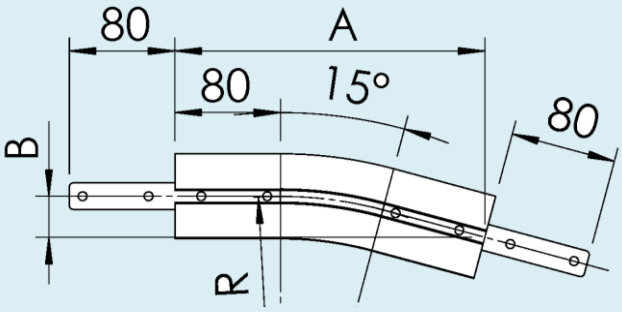
FBBV 7A295 R750 R=750 mm



	R	A	B
FBBV 7A295 R750	750	251	15

Vertical bend, 15°
Radius to centre of beam:

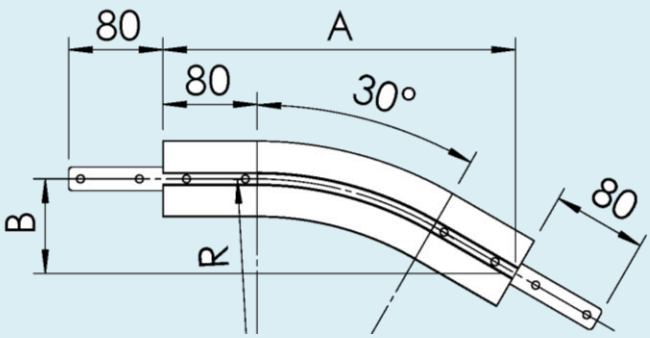
FBBV 15A295 R750 R=750 mm



	R	A	B
FBBV 15A295 R750	750	351	46

Vertical bend, 30°
Radius to centre of beam:

FBBV 30A295 R750 R=750 mm



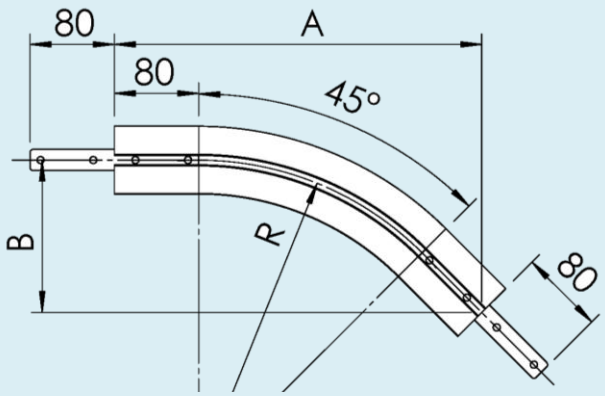
	R	A	B
FBBV 30A295 R750	750	524	141

* Note: Special angles on request.

Vertical bends

Vertical bend, 45°
Radius to centre of beam:

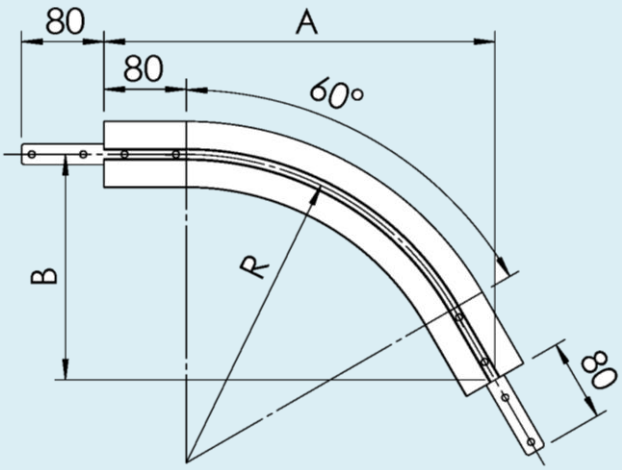
FBBV 45A295 R750 R=750 mm



	R	A	B
FBBV 45A295 R750	750	667	277

Vertical bend, 60°
Radius to centre of beam:

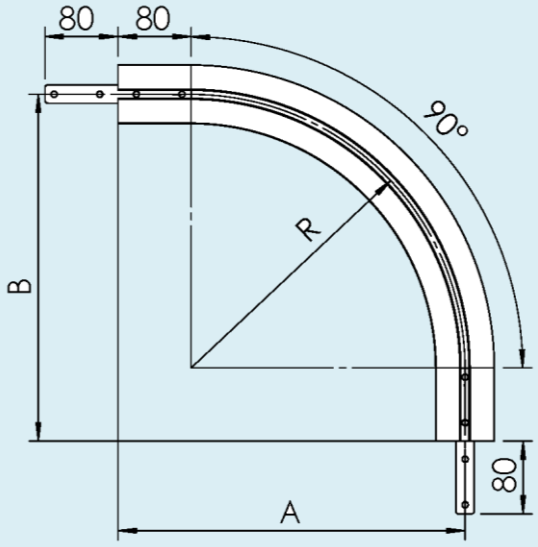
FBBV 60A295 R750 R=750 mm



	R	A	B
FBBV 60A295 R750	750	770	444

Vertical bend, 90°
Radius to centre of beam:

FBBV 90A295 R750 R=750 mm



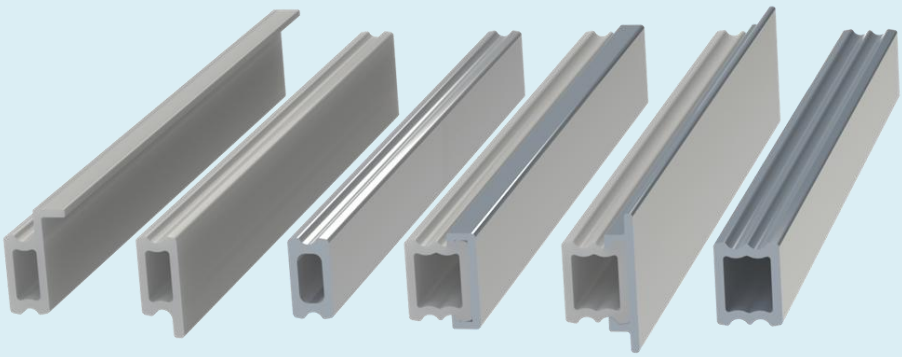
	R	A	B
FBBV 90A295 R750	750	830	830

* Note: Special angles on request.

Contents

Guide rails	2
Guide discs for bends	4
Fixed guide rail brackets, aluminium	6
Adjustable guide rail brackets, aluminium	9
Adjustable guide rail brackets, polyamide	11
Built-up guide rail brackets	16
Conveyor supports	18

Guide rails

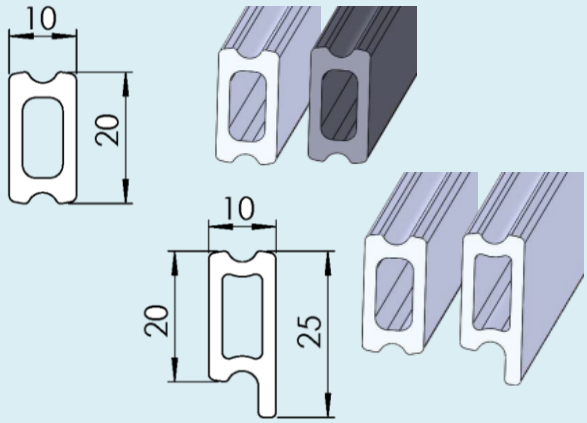


Guide rails

Straight 10 mm
FLRS 3X10 Aluminium, length 3mt
FLRS 3X10 T Steel, length 3mt

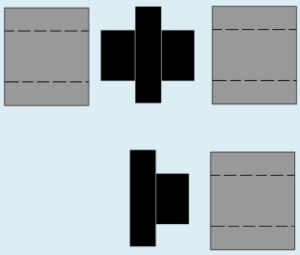
Flexible rail 10 mm
FLRS 3X10 P Polyethylene, length 3mt

Straight rail 10 mm flanged
FLRS 3x10 F Aluminium, length 3mt



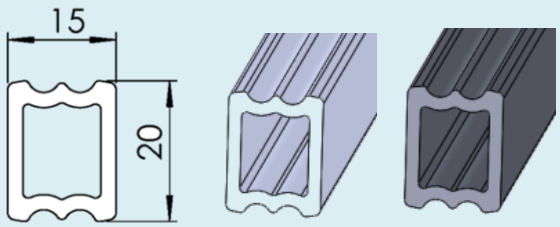
FLRJ 10 Connecting plug 10 mm
FLRE 10 End plug 10 mm

Note: Not for steel guide rail must be ordered in multiples of 25(25, 50, 75, ...)

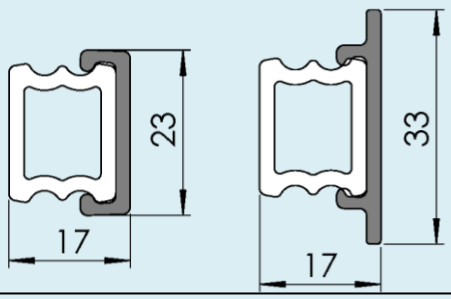


Straight 15 mm
FLRS 3X15 Aluminium, length 3mt

Flexible rail 15 mm
FLRS 3X15 P Polyethylene, length 3mt

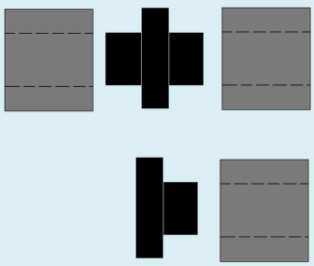


Guide rail cover for 15 mm guide rail
FLRT 3X23 Polyethylene, length 3mt
FLRT 3X23 U UHMW-PE, length 3mt
FLRT 3X33 D Polyethylene, length 3mt

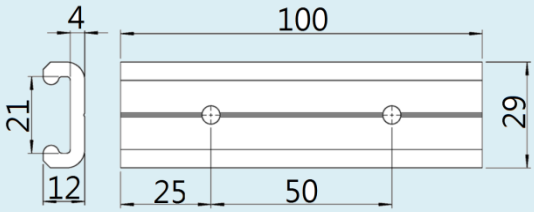


FLRJ 15 Connecting plug 15 mm
FLRE 15 End plug 15 mm

Note: Not for steel guide rail must be ordered in multiples of 25(25, 50, 75, ...)

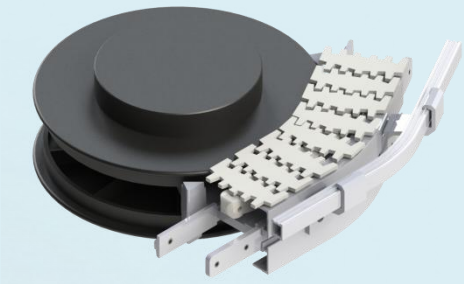


FLRJ 100 Connecting sleeve
Length 100 mm
Including set screws



CA

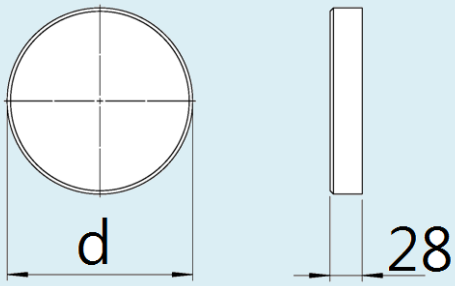
Guide discs for bends



Guide discs for horizontal wheel bends

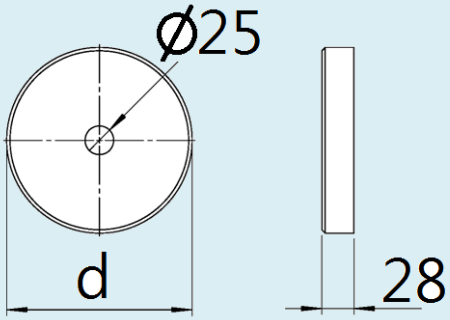
Guide discs for wheel bends

FLRG 235	d= 230 mm
FLRG 212	d= 212 mm
FLRG 187	d= 187 mm
FLRG 162	d= 162 mm



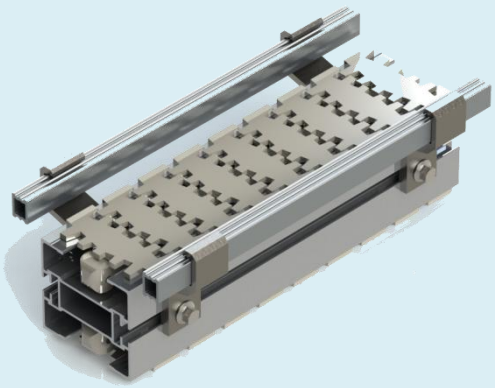
Guide discs for wheel bends

FLRG 235 H	d= 230 mm
FLRG 212 H	d= 212 mm
FLRG 187 H	d= 187 mm
FLRG 162 H	d= 162 mm



CA

Fixed guide rail brackets, aluminium

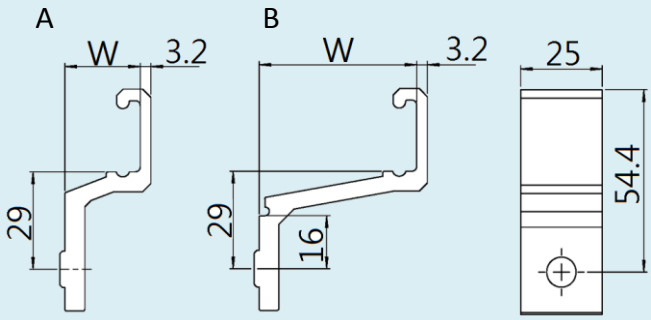


Fixed guide rail brackets, aluminium

Guide rail bracket hight 30 mm

FLRB 11X30	W= 11 mm Fig. A
FLRB 23X30	W= 23 mm Fig. A
FLRB 35X30	W= 35 mm Fig. B
FLRB 48X30	W= 48 mm Fig. B
FLRB 29X36	Hight 36 mm W= 29 mm Guidr rail bracket for FL pal lets.

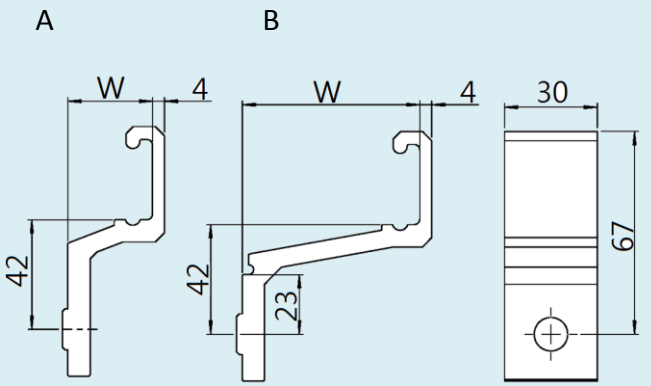
Note:
Bracket type B can take angle plates when used. With FL conveyor. Type FLRB 35X30 with angle plate can only be used with 10 mm guide rail.



Guide rail bracket hight 42 mm

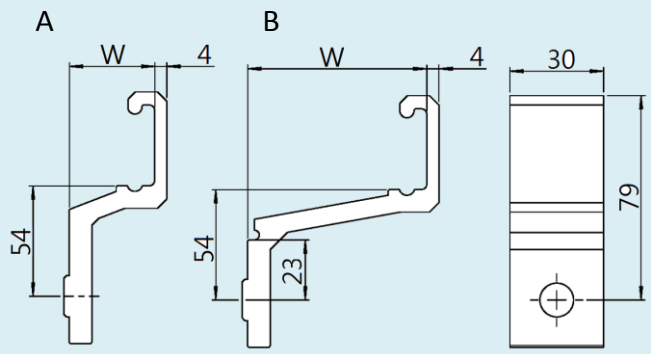
FLRB 16X42	W= 16 mm Fig. A
FLRB 28X42	W= 28 mm Fig. A
FLRB 40X42	W= 40 mm Fig. B
FLRB 49X42	W= 49 mm Fig. B
FLRB 53X42	W= 53 mm Fig. B
FLRB 65X42	W= 65 mm Fig. B
FLRB 90X42	W= 90 mm Fig. B

Note:
Bracket type B can take angle plates when used. With FM and FH conveyor. (FLRB 40X42: angle plate FLRP 3/6 only).



Guide rail bracket hight 54 mm

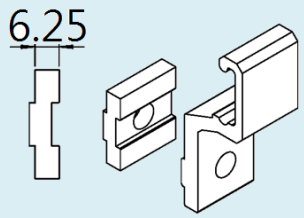
FLRB 16X54	W= 16 mm Fig. A
FLRB 40X54	W= 40 mm Fig. B



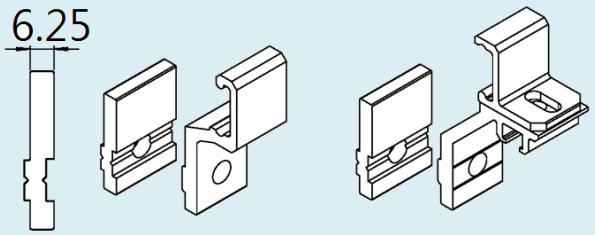
CA

Accessories

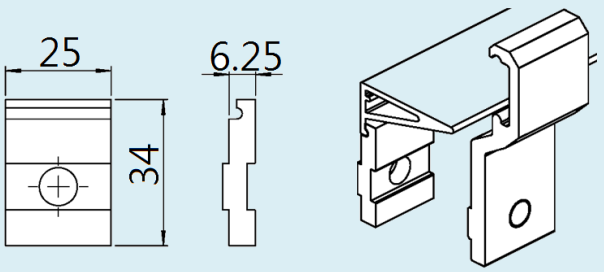
FLRD 6 Distance piece (aluminium)
Thickness 6.25 mm



FLRD 6 C Distance piece (aluminium)
for convyor system FK
Thickness 6.25 mm

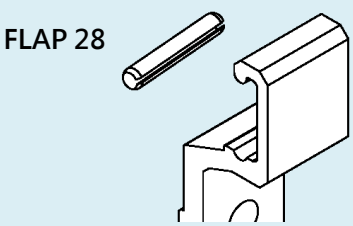


FLRD 6 P Distance piece (polyamide)
Thickness 6.25 mm
FLRD 6 P can hold angle plates (FL only) not for FK



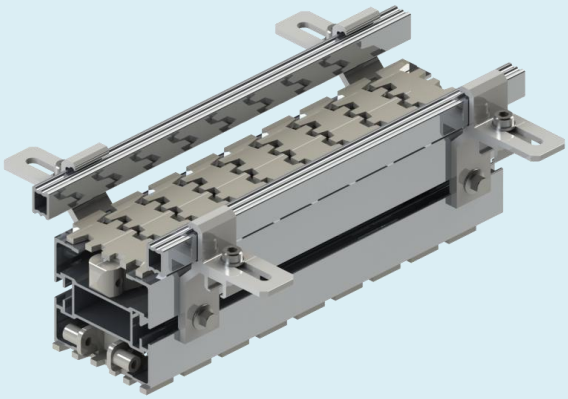
Suitable, longer T-bolts: see Fasteners.

FLAP 28 Spring pin for guide rail bracket Must be ordered in multiples of 50(50, 100, 150,...)



T-bolts, nuts, washers: see Fasteners.

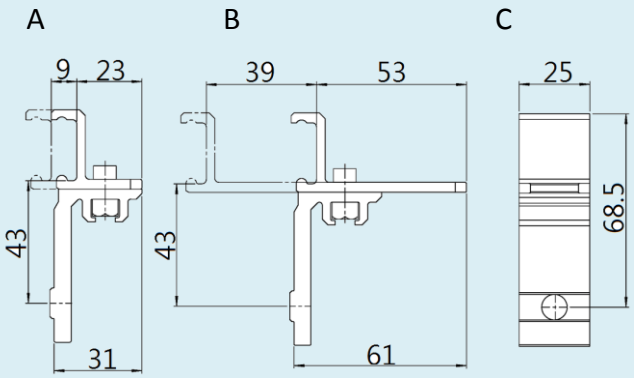
Adjustable guide rail brackets, aluminium



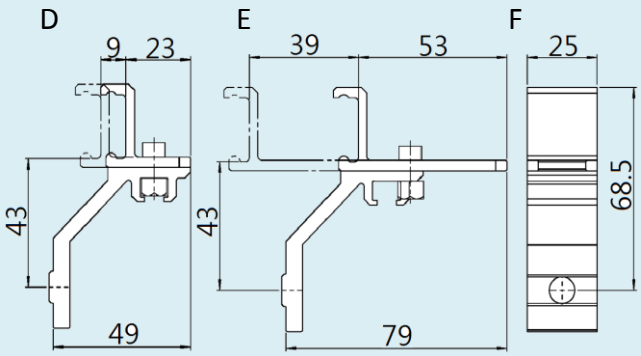
Adjustable guide rail brackets, aluminium

Adjustable guide rail bracket assembly Including bolt and nut

FLRA 8X9X45 See Figure A, C
FLRA 8X39X45 See Figure B, C



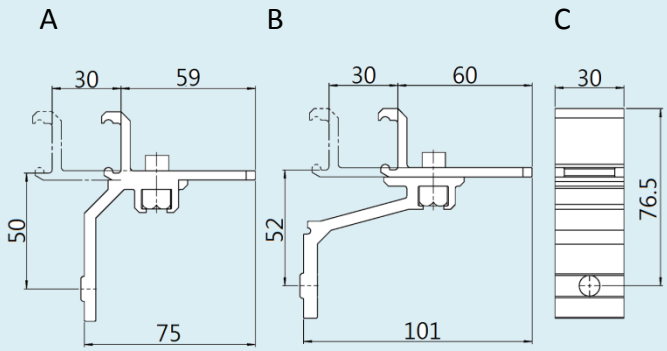
FLRA 26X9X45 See Figure D, F
FLRA 26X39X45 See Figure E, F



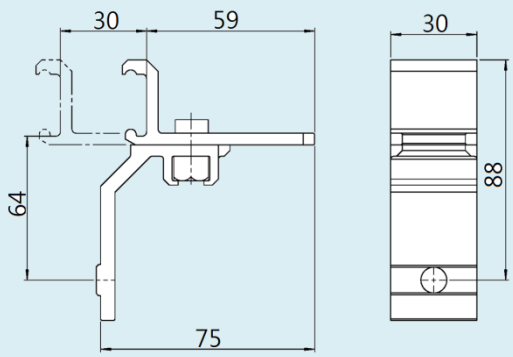
Adjustable guide rail bracket assembly Including bolt and nut

FLRA 16X30X52 See Figure A, C
FLRA 41X30X52 See Figure B, C

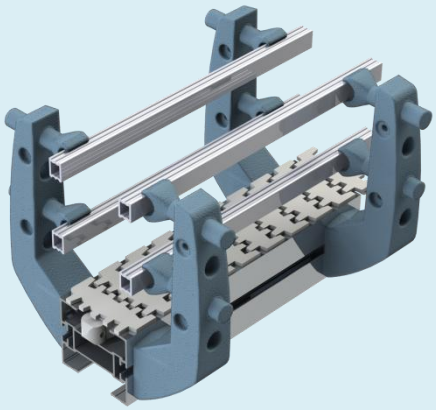
Note:
Bracket type B can take angle plates
When used with FM and FH conveyor.



FLRA 16X30X64 Adjustable guide rail bracket assembly Including bolt and nut



Adjustable guide rail brackets, polyamide



Guide rail bracket supports, polyamide

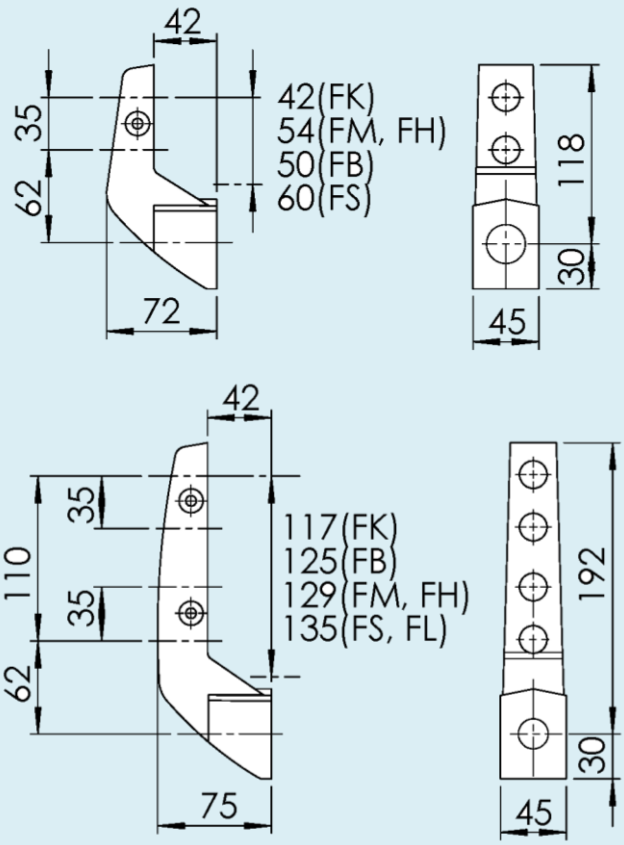
FLRF 42X62 A35
Guide rail bracket support for use with guide rail clamp FLRK 18X40/60/80 C
Including screw and nut (screw can be repaced by star knob FLAR 6x20)

Mounting to beam:
FLAT 17
FLAN 8
BRB 8,4x16

FLRF 42X62 A35
For 1-2 guide rail levels

FLRF 42X62 A110
For 1-4 guide rail levels

Note: Always install dummy plugs in unused clamp positions to ensure positive locking of the adjacent clamp.

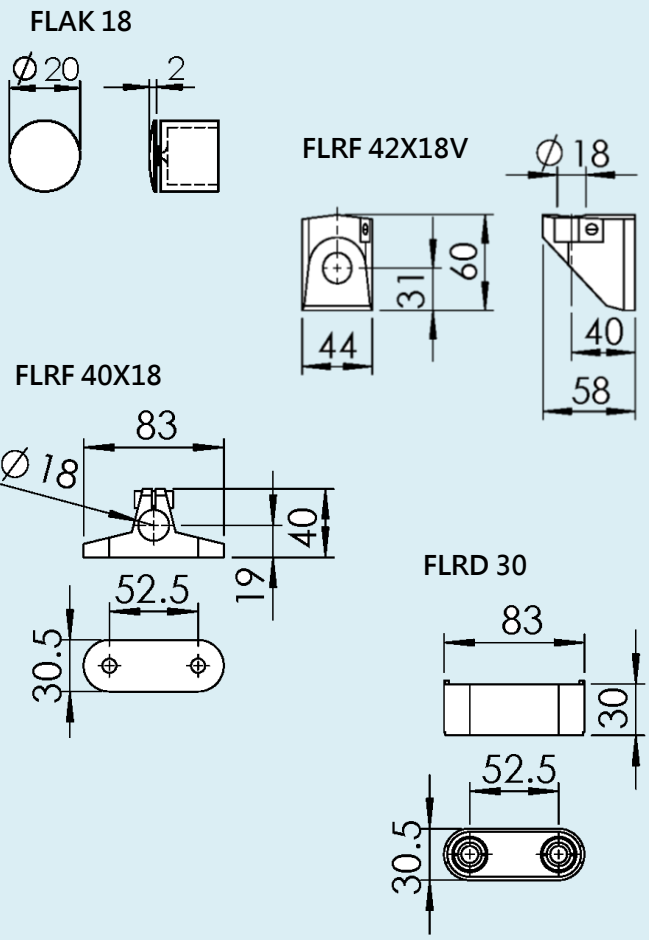


FLAK 18 Dummy plug

FLRF 42X18 V Guide rail bracket support With clamp for 18 mm tube

FLRF 40X18 Guide rail bracket support With clamp for 18 mm tube

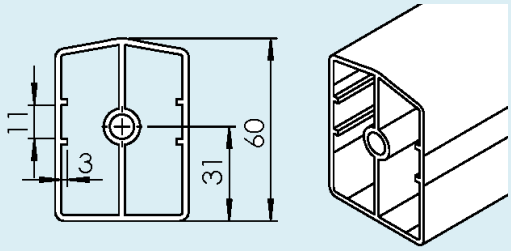
FLRD 30 Distance piece for FLRF 40X18



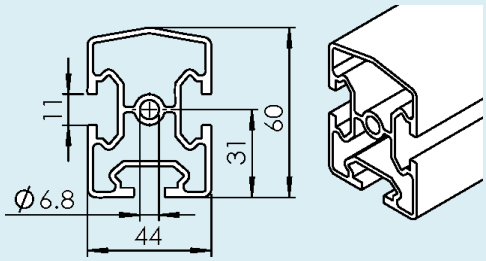
Spacer beam for guide rail bracket support

Spacer beam

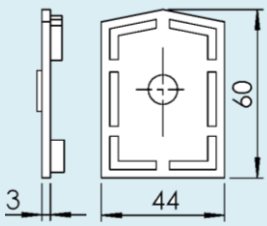
FLRN 3U Beam with flat sides, length 3mt



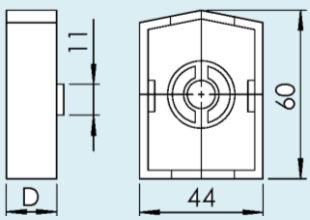
FLRN 3 Beam with T-slots, length 3mt



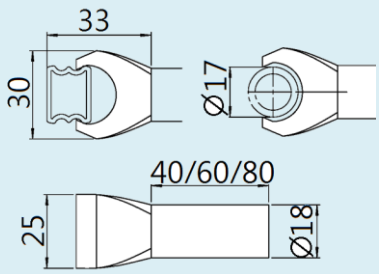
FLRD 3 D Spacer beam connector
Width 3 mm
For use with spacer beam type FLRN 3U



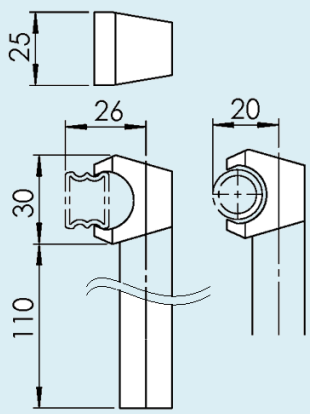
Distance piece Type A
FLRD 6 A D= 6 mm
FLRD 18 A D= 18 mm



Guide rail clamp 1
FLRK 18X40 C L= 40 mm
FLRK 18X60 C L= 60 mm
FLRK 18X80 C L= 80 mm



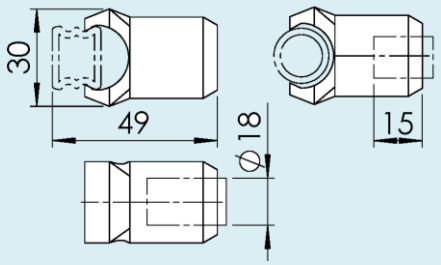
Guide rail clamp 2
FLRL 18X110 C
Including screw
To be used directly with FLRF 42X18V



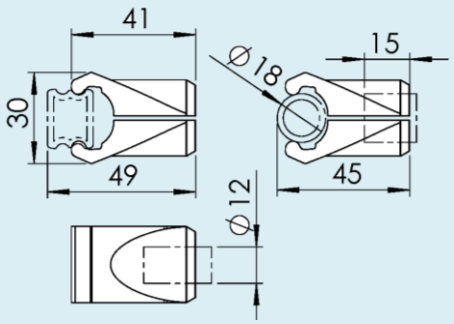
CA

Guide rail clamp for double track conveyors

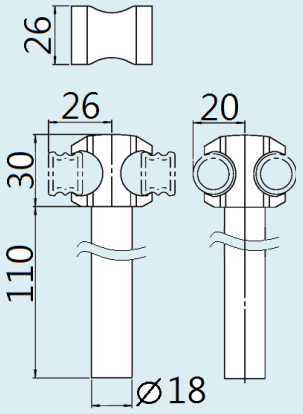
Guide rail clamp 3
FLRK 18 CE Including screw and unt



Guide rail clamp 4
FLRK 12 CE Including screw and unt

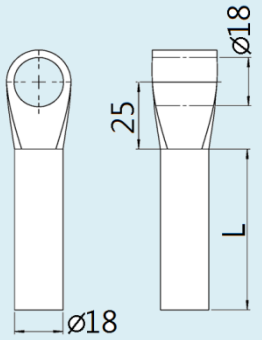


FLRC 18X110 C Guide rail clamp for double track conveyors Including screw and nut



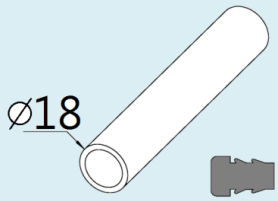
Guide rail clamp supports
Including screw and nut
For use with FLRK 18x40/60/80 C

FLRL 18X60 CA L= 60 mm
FLRL 18X110 CA L= 110 mm
FLRL 18X160 CA L= 160 mm

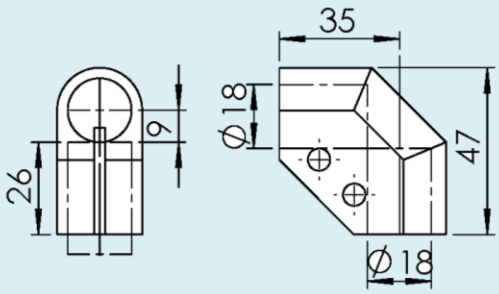


Accessories for guide rail bracket support

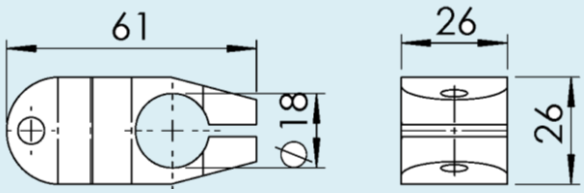
FLRR 3X18 C	Guide rail support tube Length 3 mt
FLRZ 18	End cap



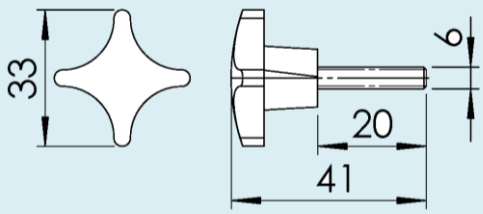
FLRX 18 C	Corner connector Including screws and unts



FLRX 18 X	Cross connector Including screws and unt. Can be used with star knob FLAR 6X20 (see below) for easy readjustment

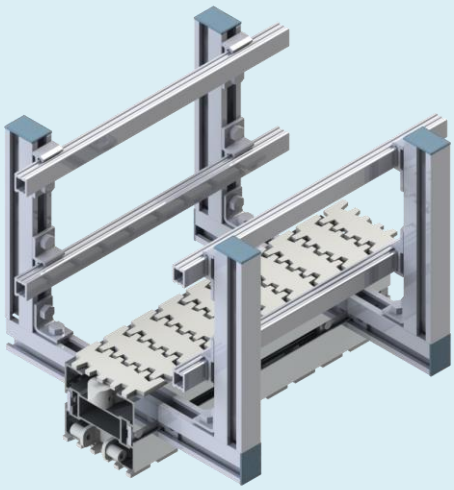


FLAR 6X20	Star Knob M6

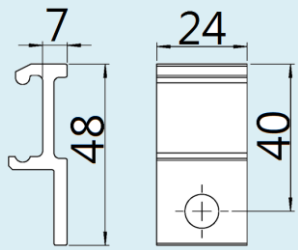
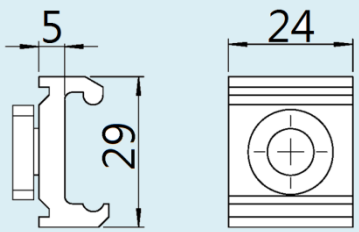
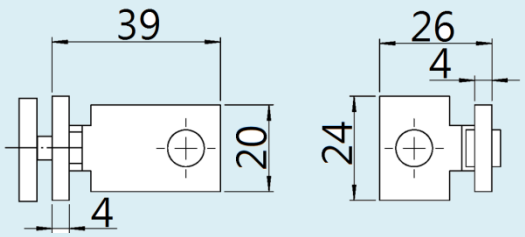
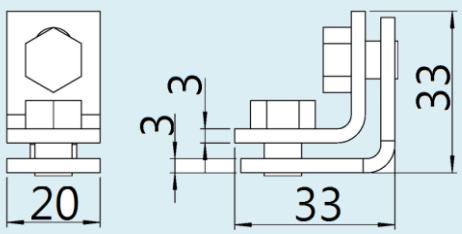
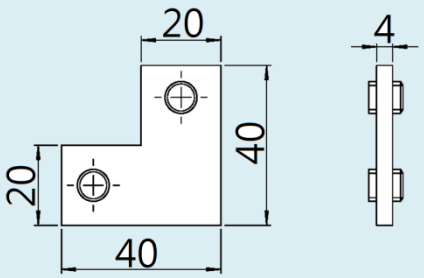
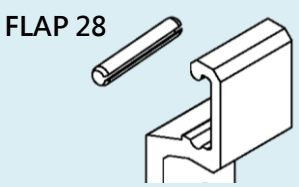


CA

Built-up guide rail brackets

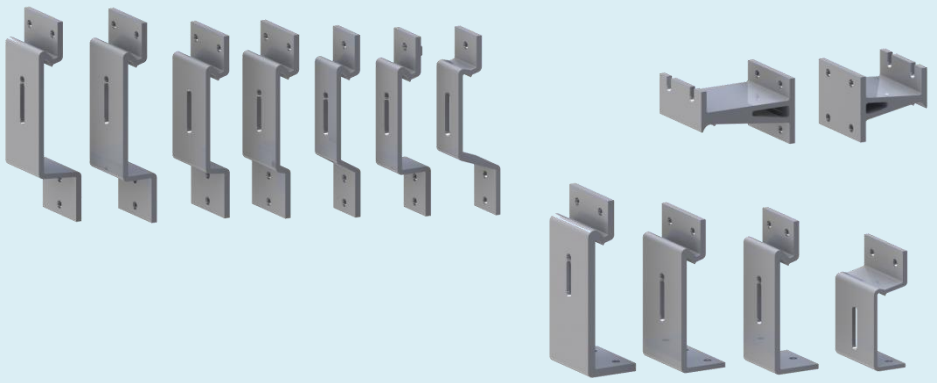


Built-up guide rail brackets

FLRC 20	Guide rail bracket	
FLRC 20 A	Guide rail bracket Including M8 screw and square nut	
FMRX 20	Inner fitting 90 ° Including T-bolt, nut, set screw	
FMRY 20	Inner fitting 90 ° Including screws	
FMRW 20	Corner fitting 90 ° Including set screws	
FLAP 28	Spring pin for guide rail bracket. Must be ordered in multiples of 50(50, 100, 150,...)	

CA

Conveyor supports



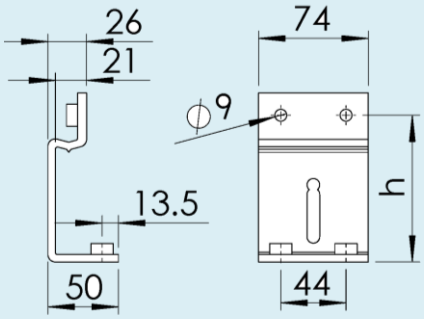
Conveyor beam support brackets-aluminium, Type A

Beam support bracket, Type A
For 88 mm crossing support beam

FLCT 21X100 h= 100 mm

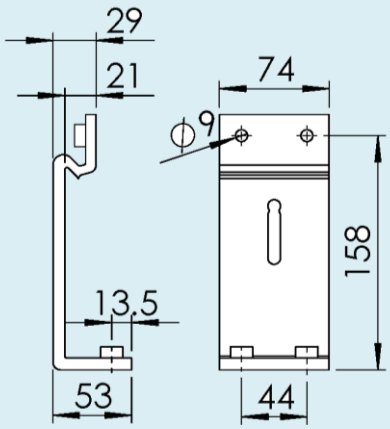
FLCT 21X125 h= 125 mm

FLCT 21X135 h= 135 mm



Beam support bracket, Type A
For 88 mm crossing support beam

FLCT 21X158 R*

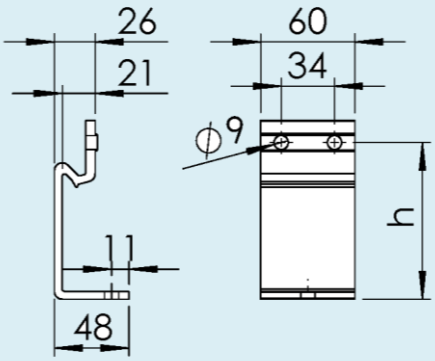


*Use T-slot screw FLAT 24 with this beam Support bracket. (FLAT 17 is too short.)

Beam support bracket, Type A
For 64 mm crossing support beam

FLCT 21X100 A h= 100 mm

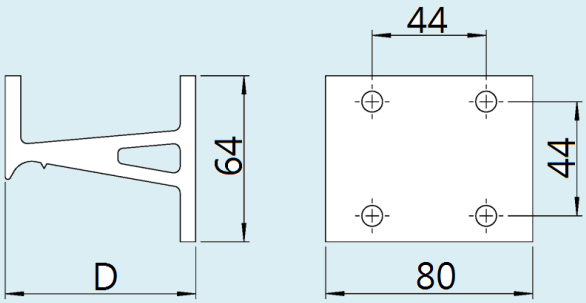
FLCT 21X135 A h= 135 mm



Beam support bracket, Type C
For support of 180 ° wheel bend with 88 mm vertical support beam

FLCU 73 For conveyor systems FL, FM, FH, D=73.5 mm

FLCU 103 For conveyor systems FK, D=103.5 mm



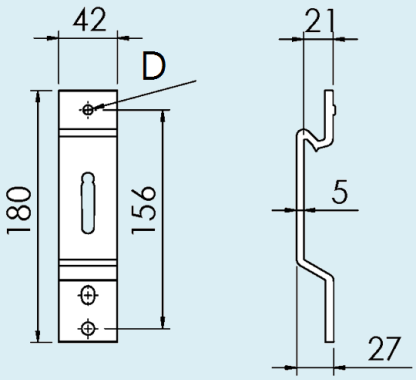
CA

Conveyor beam support brackets- aluminium, Type B

Beam support bracket, Type B
For 44 mm vertical support beam

FUCS 44 For F45 conveyor D= 6.8 mm

FSCS 44 For FS conveyor D= 9 mm



Beam support bracket, Type B
For 64 mm vertical support beam

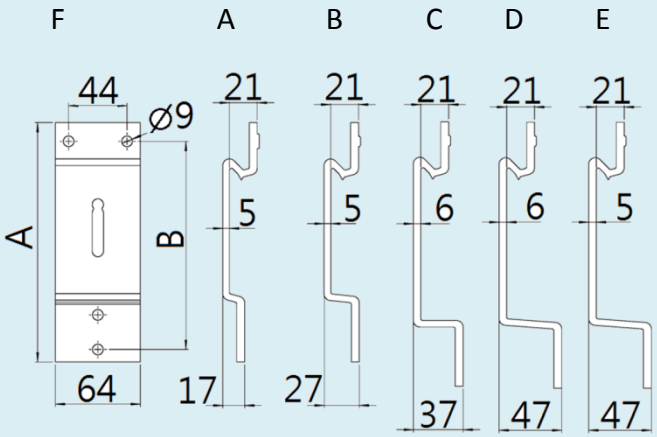
FSCS 64 For FS conveyor. Figure A, F
A= 180 mm, B= 156 mm

FLCS 64 For FL conveyor. Figure B, F
A= 180 mm, B= 156 mm

FMCS 64 B For FM conveyor. Figure C, F
A= 200mm, B= 176 mm

FHCS 64 For FH conveyor. Figure E, F
A= 180 mm, B= 156 mm

FHCS 64 B For FH conveyor. Figure D, F
A= 200 mm, B= 176 mm

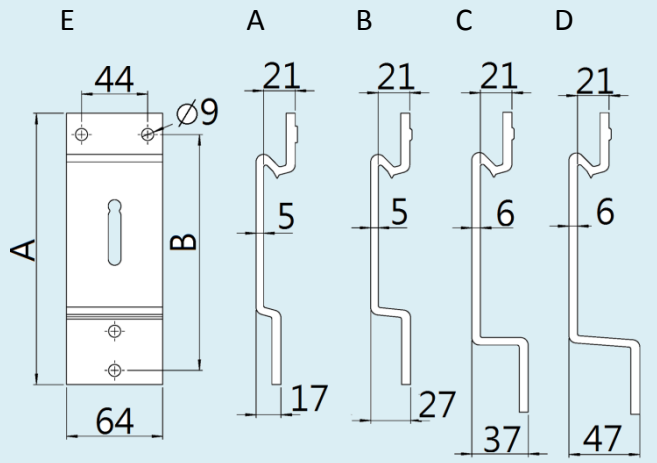


Beam support bracket, Type B
For 88 mm vertical support beam

FLCS 88 For FL conveyor. Figure A, E
A= 180 mm, B= 151 mm

FMCS 88 B For FM conveyor. Figure B, E
A= 200 mm, B= 171 mm

FHCS 88 B For FH conveyor. Figure C, E
A= 200mm, B= 171 mm



Contents

Pallet handling components 2
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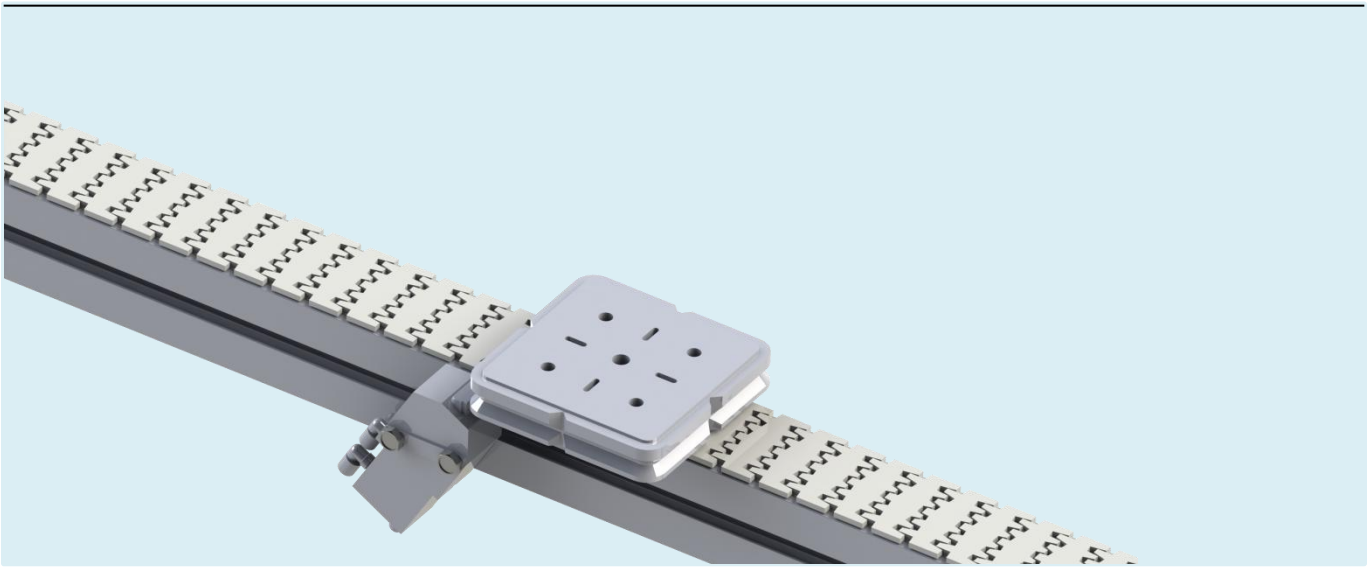
Pallet handling components



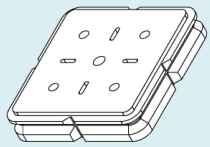
Pallet

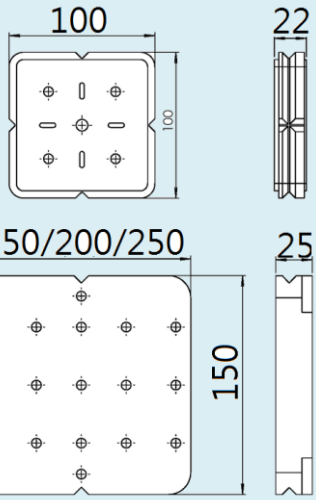
FLPP 100X100 Pallet 100 mm X 100 mm

FMPP 150X150 Pallet 150 mm X 150 mm

FMPP 150X200 Pallet 150 mm X 200 mm

FMPP 150X250 Pallet 150 mm X 250 mm



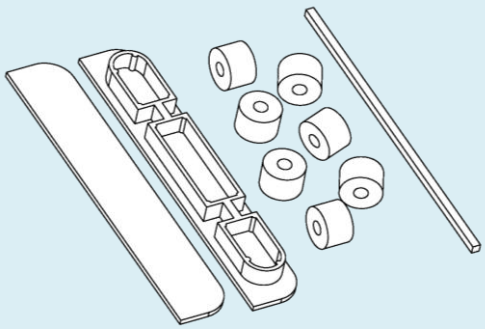


Accessories

FMPS 100 Slide block for pallet
One slide block

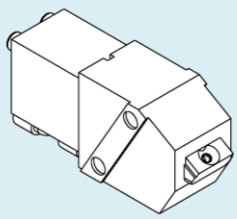
F3903214 Shaft and roller kit
One shaft, seven rollers

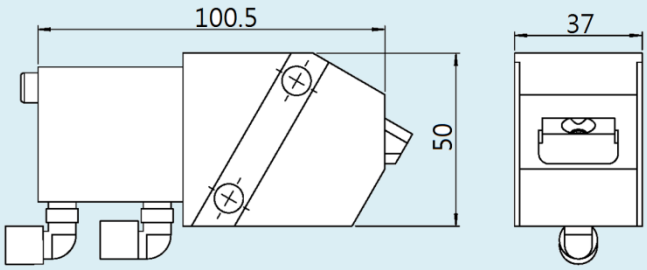
FMPL 13X20 Initiator plate
Including screw
Must be ordered in multiples of 25 (25, 50, 75, ...)



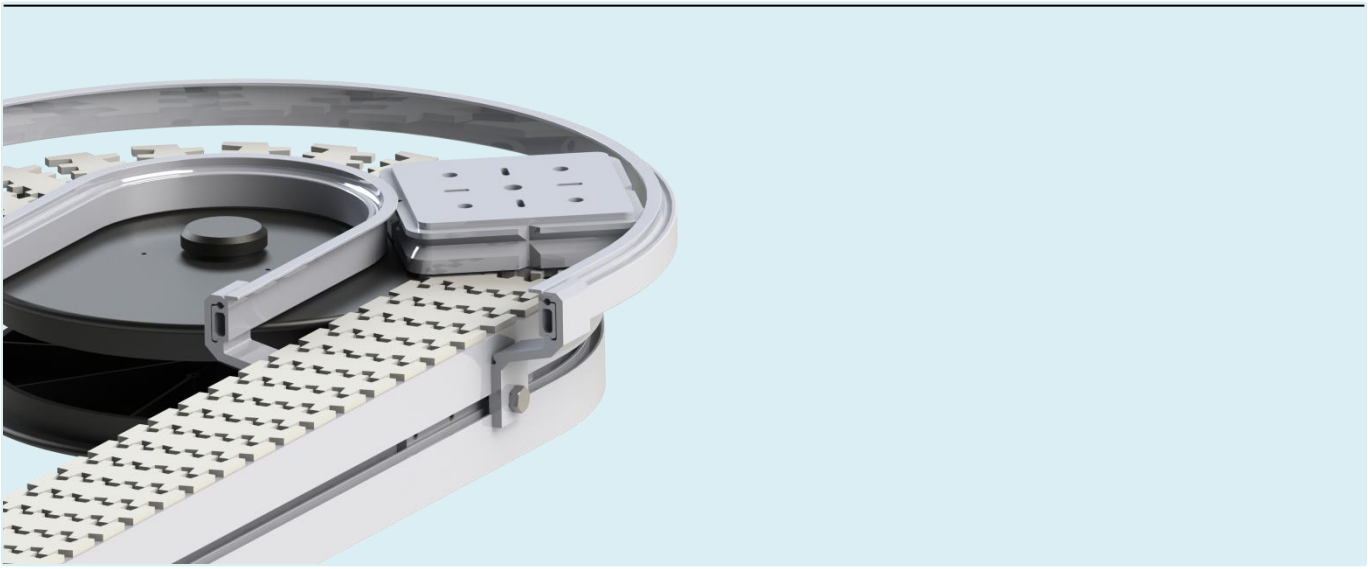
PAL

FMPD 2X10 E Pneumatic stop cylinder





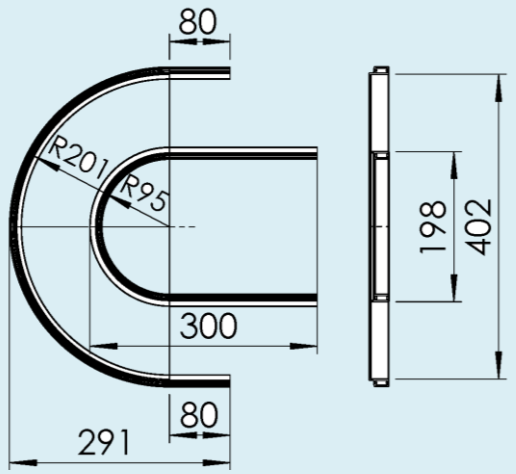
Guide rail for pallets in bends



Guide rail for pallets in bends

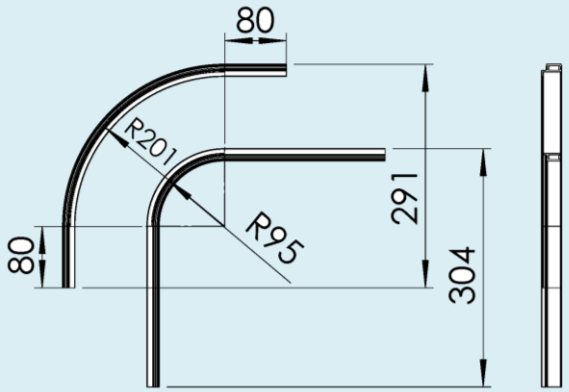
F3904896 Outer guide rail for 180° bend

F3905238 Inner guide rail for 180° bend

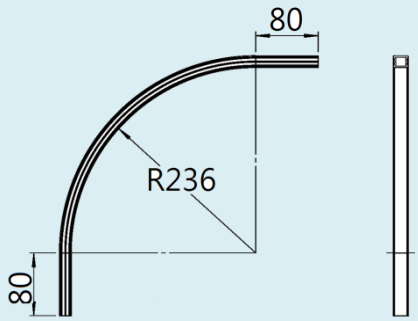


F3904897 Outer guide rail for 90° bend

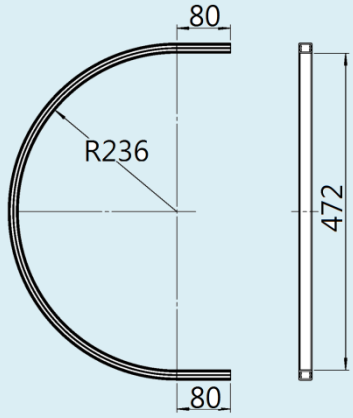
F3905239 Inner guide rail for 180° bend



F3904898 Outer guide rail for 180° bend



F3904899 Outer guide rail for 90° bend



PAL

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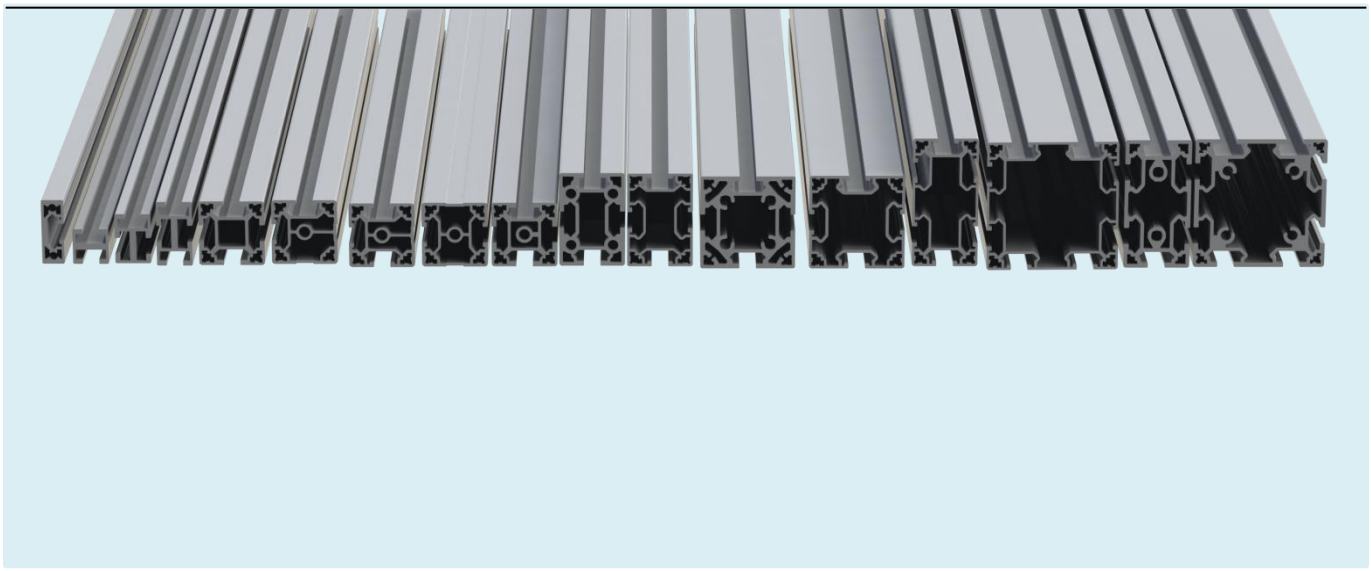
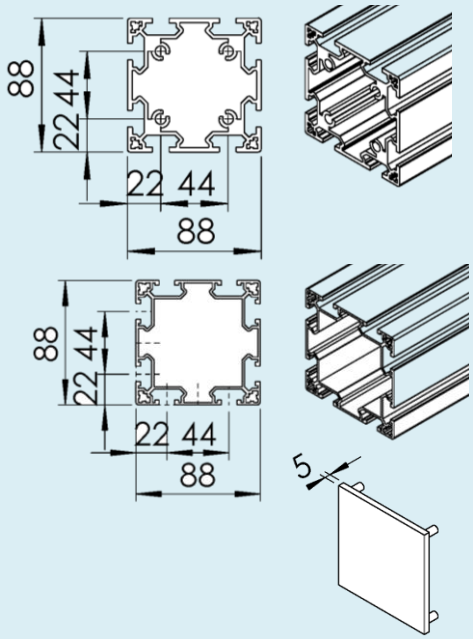
Support beams and small beams

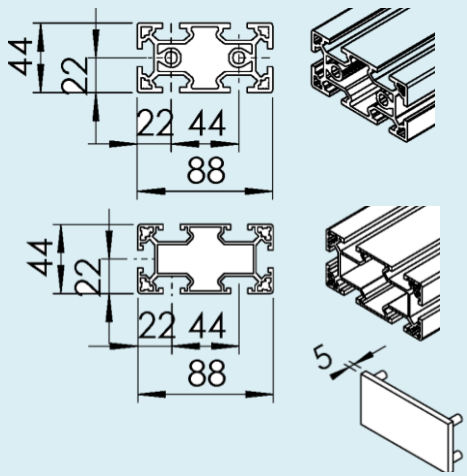


Support beams

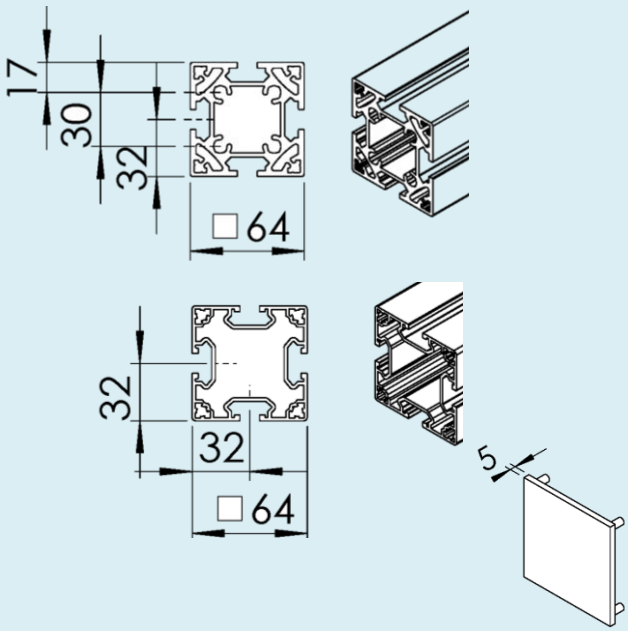
FCBM 3X88	Beam 88 mm x 88 mm Heavyweight version Aluminium, anodized Length 3 mt
FCBL 3X88	Beam 88 mm x 88 mm Lightweight version Aluminium, anodized Length 3 mt
FCBE 88	End cap Polyamide



FCBM 3X44X88	Beam 44 mm x 88 mm Heavyweight version Aluminium, anodized Length 3 mt
FCBL 3X44X88	Beam 44 mm x 88 mm Lightweight version Aluminium, anodized Length 3 mt
FCBE 44X88	End cap Polyamide



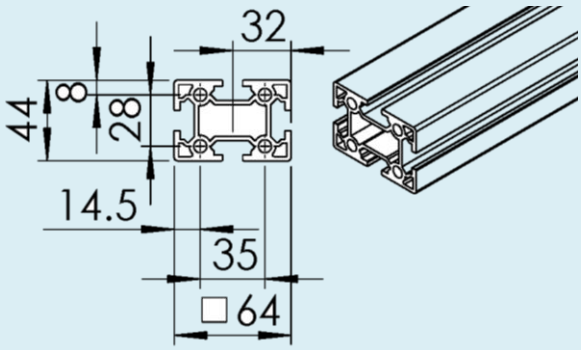
FCBM 3X64	Beam 64 mm x 64 mm Heavyweight version Aluminium, anodized Length 3 mt
FCBL 3X64	Beam 64 mm x 64 mm Lightweight version Aluminium, anodized Length 3 mt
FCBE 64	End cap Polyamide

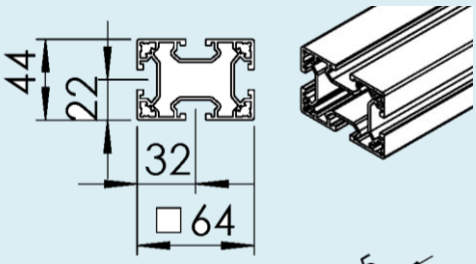


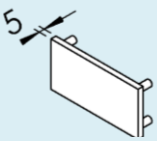
FC

Support beams

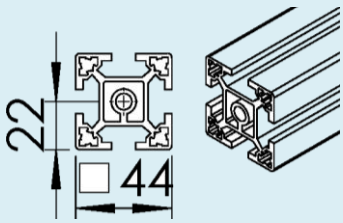
FCBM 3X44X64	Beam 44 mm x 64 mm Heavyweight version Aluminium, anodized Length 3 mt
FCBL 3X44X64	Beam 44 mm x 64 mm Lightweight version Aluminium, anodized Length 3 mt
FCBE 44X64	End cap Polyamide

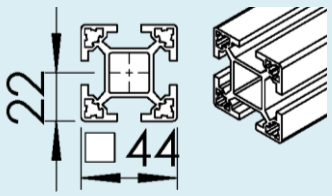


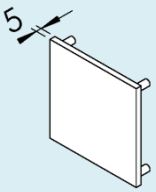




FCBM 3X44	Beam 44 mm x 44 mm Heavyweight version Aluminium, anodized Length 3 mt
FCBL 3X44	Beam 44 mm x 44 mm Lightweight version Aluminium, anodized Length 3 mt
FCBE 44	End cap Polyamide

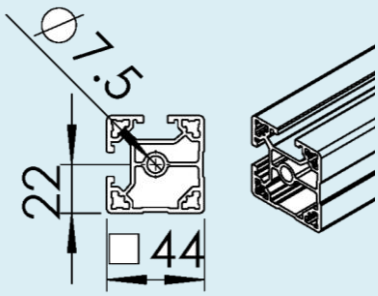




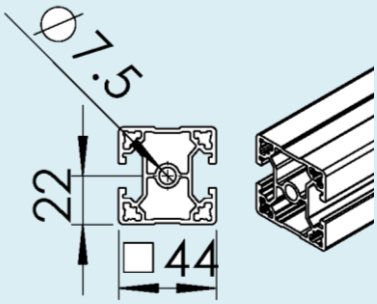


Enclosure beams

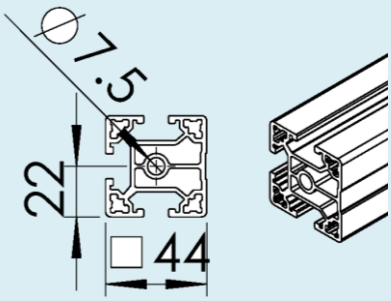
Beam 44 mm x 44 mm with
two adjacent T-slots
Lightweight version
Aluminium, anodized
FCBL 3X44 T2 Length 3 mt



Beam 44 mm x 44 mm with
two opposite T-slots
Lightweight version
Aluminium, anodized
FCBL 3X44 T2A Length 3 mt



Beam 44 mm x 44 mm with
three T-slots
Lightweight version
Aluminium, anodized
FCBL 3X44 T3 Length 3 mt



End cap for enclosure beams: see FCBE 44

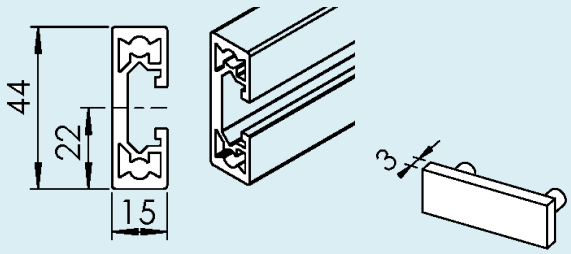
FC

Small beams

Beam 15 mm x 44 mm
Lightweight version
Aluminium, anodized

FCBL 3X15X44 Length 3 mt

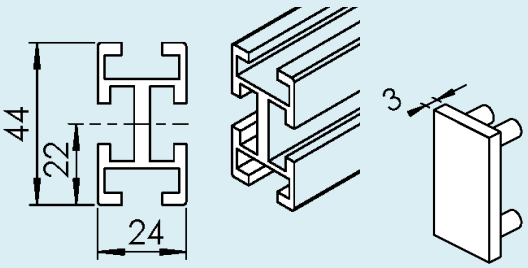
FCBE 15X44 End cap, Polyamide



Beam 24 mm x 44 mm
Aluminium, anodized

FCBB 3X24X44 Length 3 mt

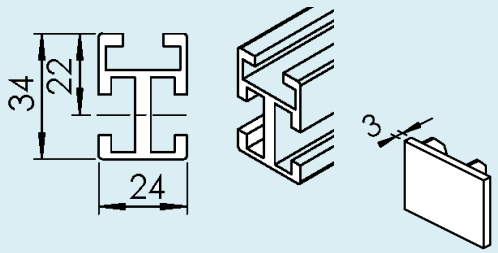
FCBE 24X44 End cap, Polyamide



Beam 24 mm x 34 mm
Aluminium, anodized

FCBB 3X24X34 Length 3 mt

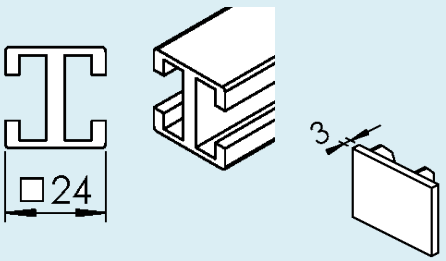
FCBE 24X34 End cap, Polyamide



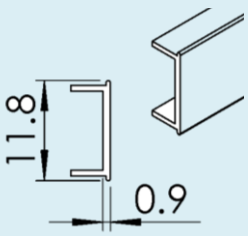
Beam 24 mm X 24 mm
Aluminium, anodized

FCBB 3X24 Length 3mt

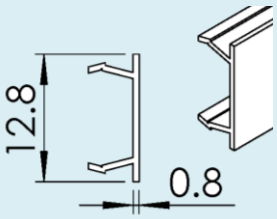
FCBE 24 End cap, Polyamide



FCAC 2 Cover strip
Length 2 mt
Aluminium, anodized



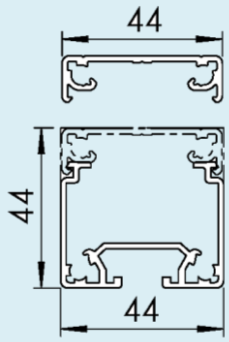
FCAC 3 P Cover strip
Length 3 mt
Polyvinyl chloride



Enclosure components – conduit elements

Cover for cable duct, 44 mm
Aluminium, anodized
FCCC 3X44 Length 3mt

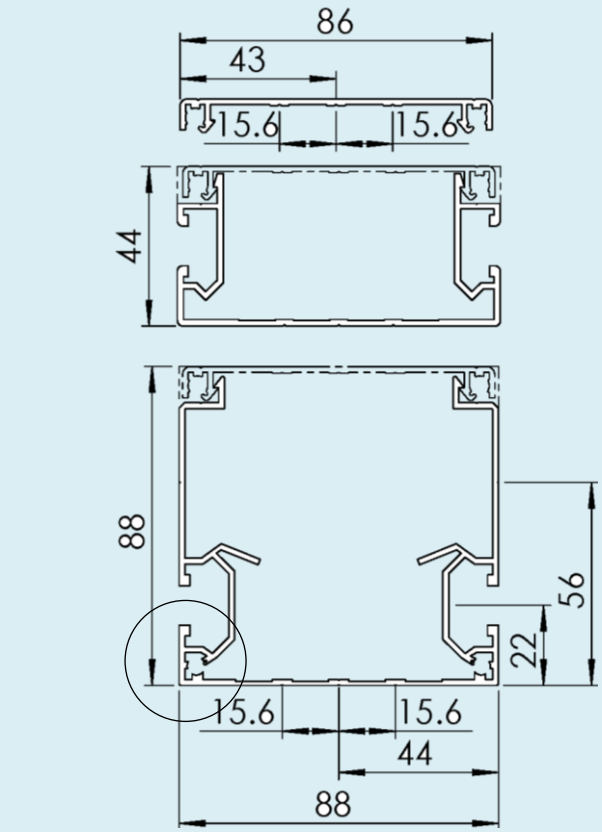
Cable duct, 44 mm X 44 mm
Aluminium, anodized
FCCD 3X44 Length 3mt

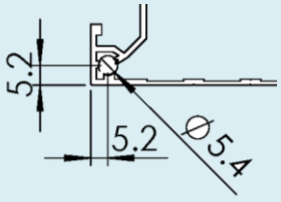


Cover for cable duct, 88 mm
Aluminium, anodized
FCCC 3X88 Length 3mt

Cable duct, 88 mm X 88 mm
Aluminium, anodized
FCCD 3X88 Length 3mt

Cable duct, 44 mm X 88 mm
Aluminium, anodized
FCCD 3X44X88 Length 3mt



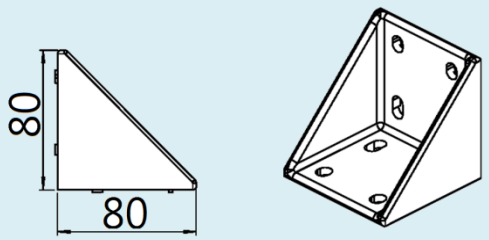


FC

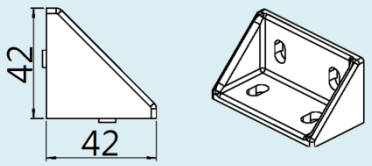
Connectors – angle brackets

Angle brackets, die-cast

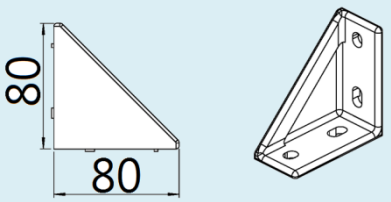
FMFA 84 A Angle bracket
Aluminium, die-cast
Mounting: M6S 8X16 (8)
BRB 8.4X16 (8), FCAN 8 (8)



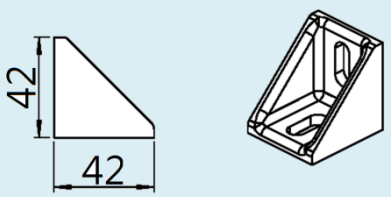
FMFA 84 B Angle bracket
Aluminium, die-cast
Mounting: M6S 8X16 (4)
BRB 8.4X16 (4), FCAN 8 (4)



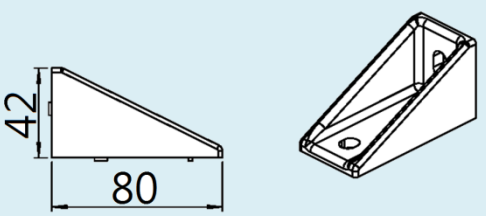
FLFA 44 A Angle bracket
Aluminium, die-cast
Mounting: M6S 8X16 (4)
BRB 8.4X16 (4), FCAN 8 (4)



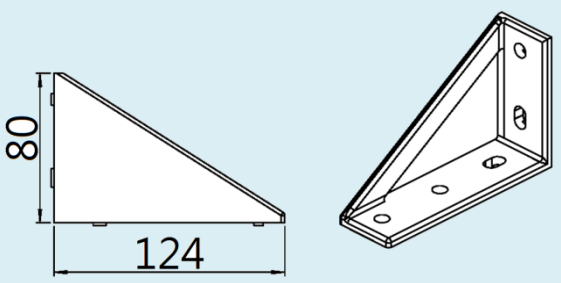
FLFA 44 B Angle bracket
Aluminium, die-cast
Mounting: M6S 8X16 (2)
BRB 8.4X16 (2), FCAN 8 (2)



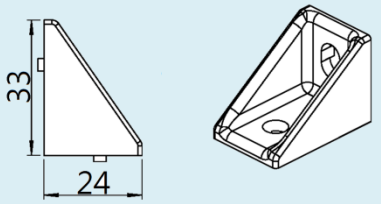
FLFA 44 C Angle bracket
Aluminium, die-cast
Mounting: M6S 8X16 (3)
BRB 8.4X16 (3), FCAN 8 (3)



FLFA 44 D Angle bracket
Aluminium, die-cast
Mounting: M6S 8X16 (5)
BRB 8.4X16 (5), FCAN 8 (5)



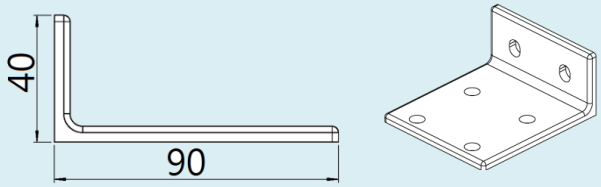
FLFA 24 Angle bracket
Aluminium, die-cast
Mounting: M6S 6X14 (2)
BRB 6.4X12 (2), FCAN 6 (2)



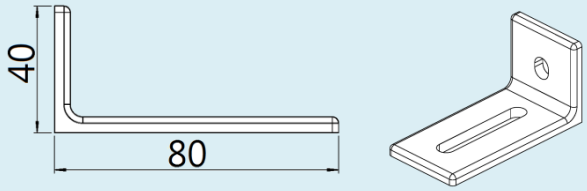
FC

Angle brackets, extruded

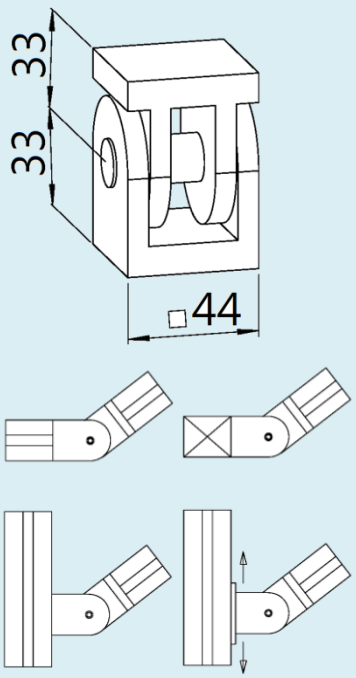
FMFA 84 Angle bracket
Aluminium, die-cast
Mounting: M6S 8X16 (6)
BRB 8.4X16 (6), FCAN 8 (6)



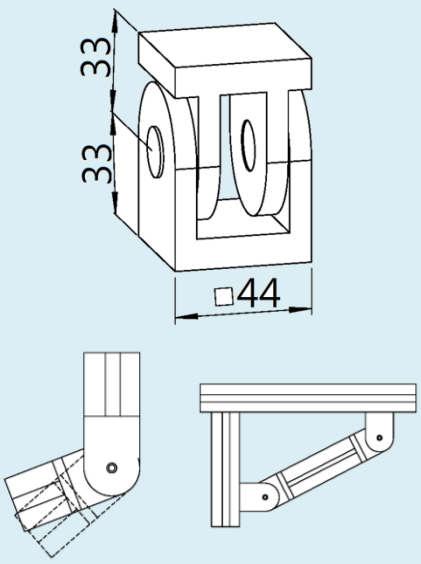
FLFA 44 Angle bracket
Aluminium, die-cast
Mounting: M6S 8X16 (2)
BRB 8.4X16 (2), FCAN 8 (2)



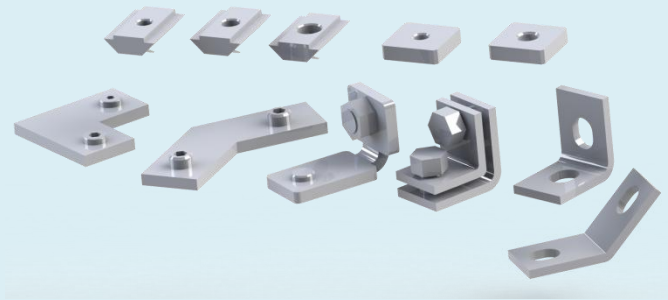
FCFJ 44 Stay bracket, including reversible guide lugs Zinc, die-cast
Mounting: MLC6S 8X14 (2), FCAN 8 (2), (beam side) or MLC6S 8´30 (2) (beam end)



FCFJ 44 F Stay bracket, including reversible guide lugs Zinc, die-cast
Mounting: MLC6S 8X14 (2), FCAN 8 (2), (beam side) or MLC6S 8´30 (2) (beam end)

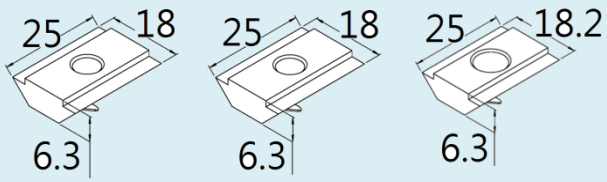


Connectors – slot fasteners

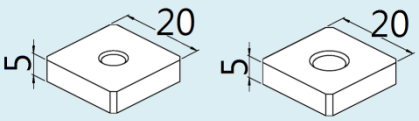


Slot nuts and nut profile

FCAN 8	Slot nut, M8 thread Steel, zinc-chromated
FCAN 6	Slot nut, M6 thread Steel, zinc-chromated
FCAN 5	Slot nut, M5 thread Steel, zinc-chromated

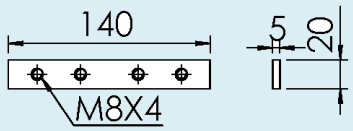


FLAQ 8	Square nut, M8 thread Steel, electro-zinc-plated
FLAQ 6	Square nut, M6 thread Steel, electro-zinc-plated

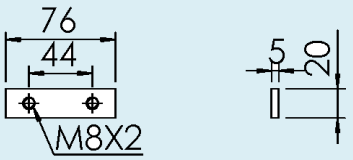


Connecting strips

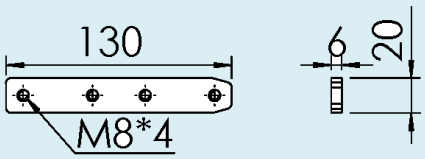
FLCJ 5X140 Connecting strip with M8 set screws
Length 140 mm
Steel, electro-zinc-plated



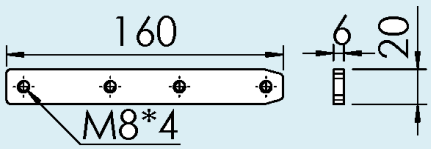
FLCJ 5X76 Connecting strip, M8 thread
Length 76 mm
Steel, electro-zinc-plated



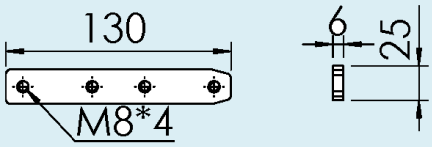
FSCJ 6X130 Connecting strip, M8 thread
Length 130 mm
Steel, electro-zinc-plated



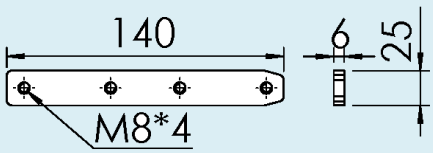
FSCJ 6X160 Connecting strip, M8 thread
Length 160 mm
Steel, electro-zinc-plated



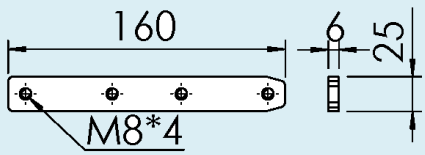
FLCJ 6X130 Connecting strip, M8 thread
Length 130 mm
Steel, electro-zinc-plated



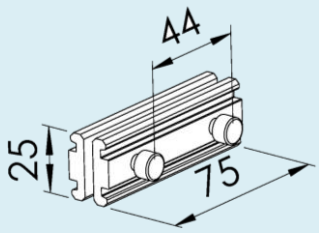
FLCJ 6X140 Connecting strip, M8 thread
Length 140 mm
Stainless steel



FLCJ 6X160 Connecting strip, M8 thread
Length 140 mm
Stainless steel



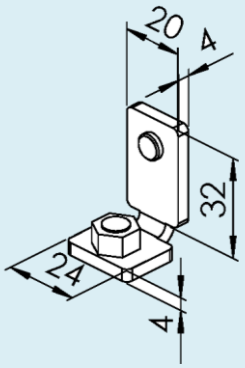
FCFP 75 Parallel connector assembly for connecting beams T-slot to T-slot
Length 75 mm
Aluminium, anodized



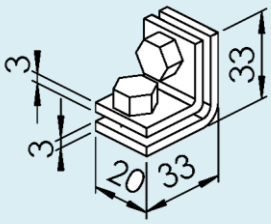
FC

Connectors – small fittings

FMRX 20 Inner fitting 90°
Including T-Bolt, nut, set screw

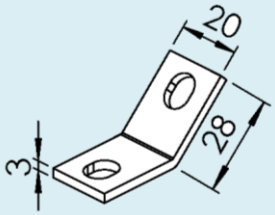


FMRY 20 Inner fitting 90°, double
Including screws

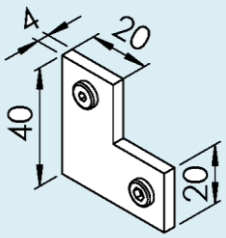


FMRY 20A Inner fitting 90 °
Mounting: M6S 8X14 (2)
BRB 8.4X16 (2)
FCAN 8 (2)

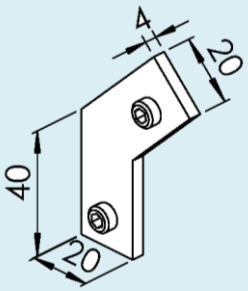
FMRY 20X45A Inner fitting 45°
Mounting:
M6S 8X14 (2)
BRB 8.4X16 (2)
FCAN 8 (2)



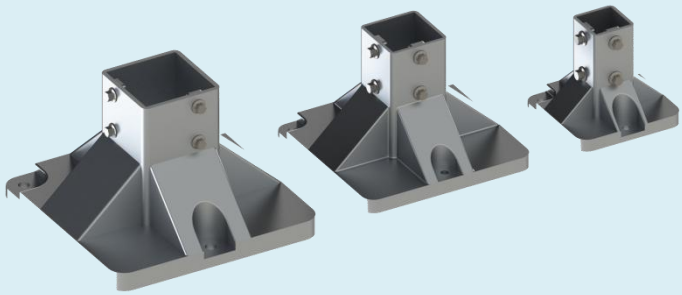
FMRW 20 Corner fitting 90°
Including set screws



FMRW 20X45 Corner fitting 45°
Including set screws



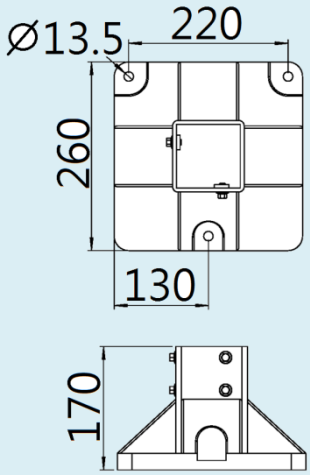
Feet



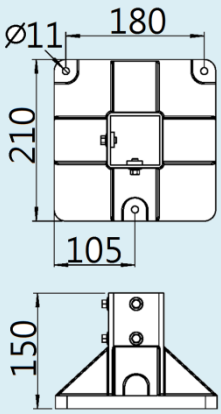
Feet

Feet
Including fastener kit
Aluminium, die-cast

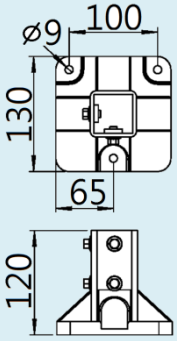
FCFF 88X260 A Foot for beam FCBM/ FCML..X88
Max. bending moment 1500 Nm



FCFF 64X210 A Foot for beam FCBM/ FCML..X64
Max. bending moment 750 Nm



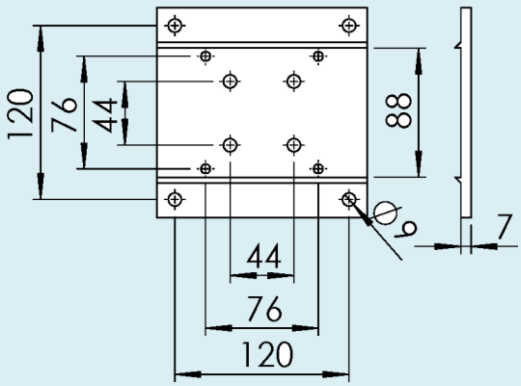
FCFF 44X130 A Foot for beam FCBM/ FCML..X44
Max. bending moment 250 Nm



Feet

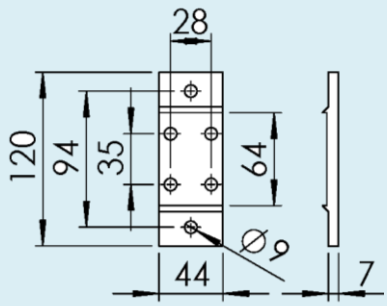
FCFB 88 F

Foot plate for beam
FCBM/FCBL..X88
Aluminium, anodized
Mounting: MF6S 8X30 (4) or MF6S 6X30 (4)



FCFB 44X64 A

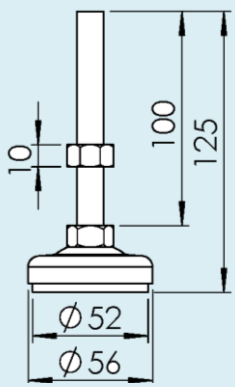
Foot plate for beam
FCBM 44X64 mm
Aluminium, anodized
Mounting: M6S 8X18 (2) BRB 8.4X16 (2), FCAN 8 (2)+MF6S 8X30 (4).
Cannot be used with FCBL beams



Adjustable foot
Including nut

FCFS 12X56

M12 thread
Mounting: FCFE..M12



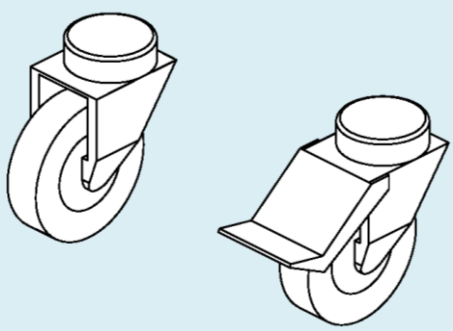
Guide rollers
Including fastener kit
Steel, electro-zinc-plated
Mounting: FCAN 8 or FCFE ..
M12
Max. vertical load 600 N

FCAG 80 A

Guide roller

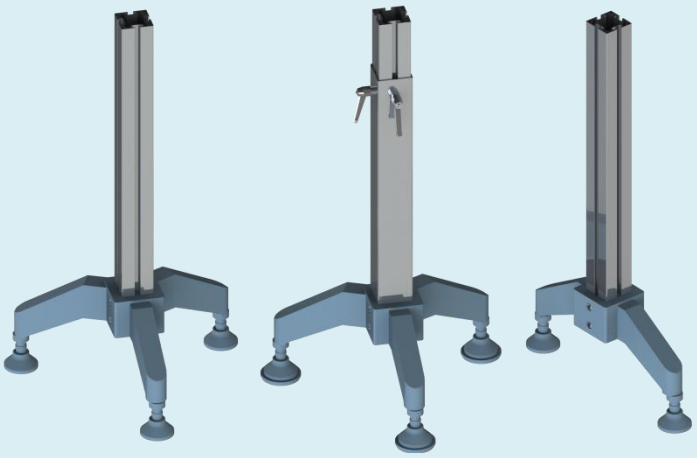
FCAG 80 BA

Guide roller with multistop brake



FC

Feet for 64 mm beam



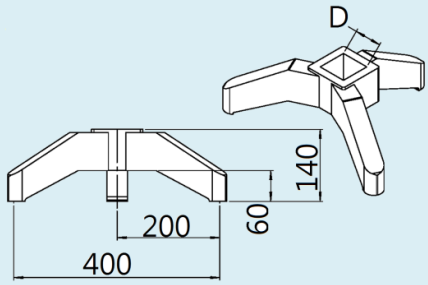
Feet, polyamide, for 64 mm beam

FEFG 64 T

Three-point foot for FC..64 beam
D=64 mm
Incl. screws and clamps
Polyamide, glass-fibre reinforced
Max. vertical load 800 N

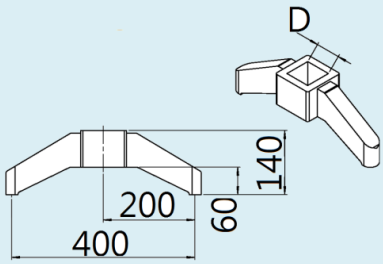
FEFG 70 T

Three-point foot for FEFU 500
D=70 mm
Incl. screws and clamps
Polyamide, glass-fibre reinforced
Max. vertical load 800 N



FEFG 64 D

Two-point foot for FC..64
D=64 mm
Incl. screws and clamps
Polyamide, glass-fibre reinforced
Max. vertical load 800 N

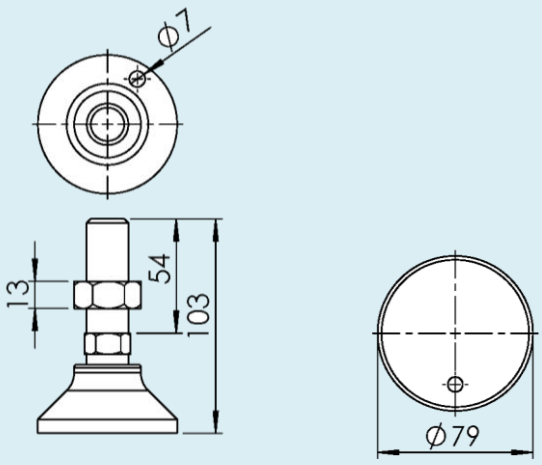


FLFS 20P

Adjusting foot for FEFG 64/70 T/D
Polyamide glass-fibre reinforced
With ball joint and M20 locking nut

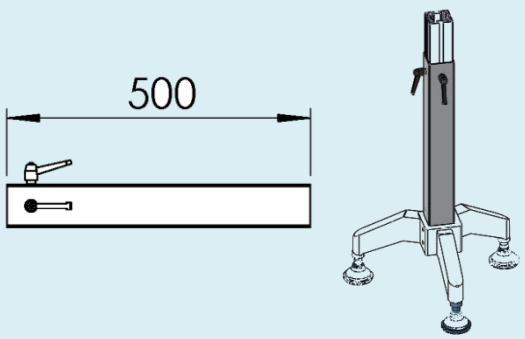
FLFJ 69

Vibration absorber
For FLFS 20 P
Thermoplastic polyester



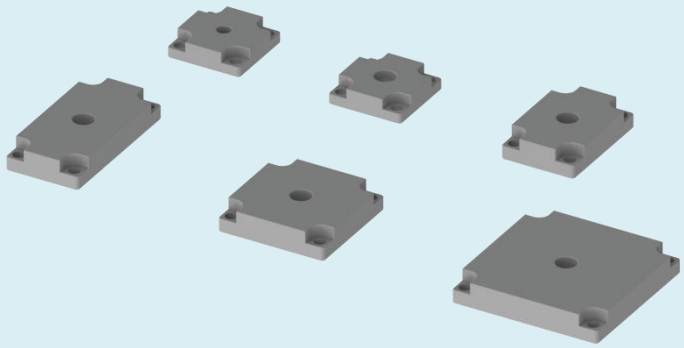
FEFU 500

Square section tube height adjustment assembly for FEFG 70 T
Including locking levers
Length 500 mm
Aluminium, anodized



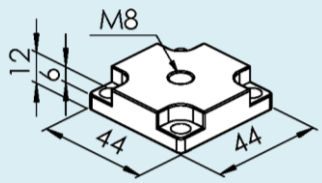
FC

Feet – end plates

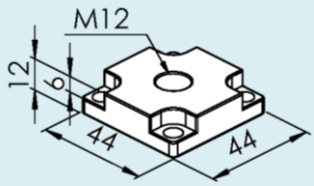


End plates

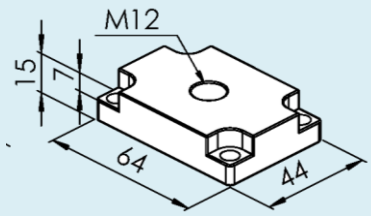
FCFE 44 M8 End plate for beam FCBL...X44, M12 thread Zinc, die-cast Mounting: MC6S 6X30 (4)



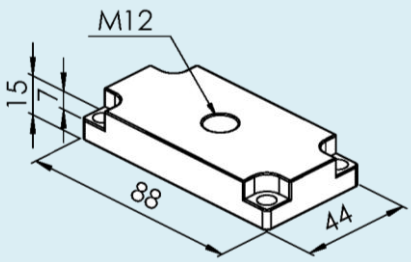
FCFE 44 M12 End plate for beam FCBL...X44, M8 thread Zinc, die-cast Mounting: MC6S 6X30 (4)



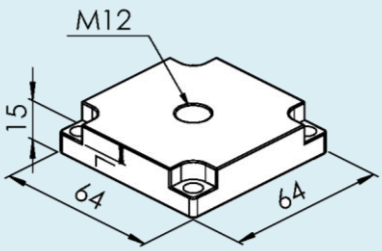
FCFE 44X64 M12 A End plate for beam FCBL/FCBM...X44X64, M12 thread Zinc, die-cast Mounting: MC6S 6X30 (4)



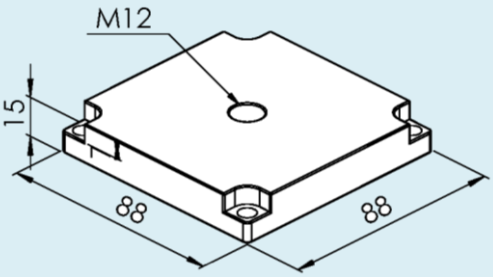
FCFE 44X88 M12 A End plate for beam FCBL/FCBM...X44X64, M12 thread Zinc, die-cast Mounting: MC6S 6X30 (4)



FCFE 64 M12 A End plate for beam FCBL/FCBM...X64, M12 thread Zinc, die-cast Mounting: MC6S 6X30 (4)



FCFE 88 M12 A End plate for beam FCBL/FCBM...X88, M12 thread Zinc, die-cast Mounting: MC6S 6X30 (4)



FC

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