Conveyor system XS

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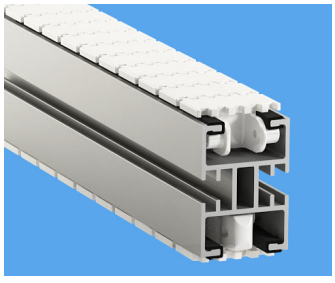
System information

Chain width 44 mm



Features

Chain permits transport of very small items which are otherwise difficult to handle. Compact and neat design.

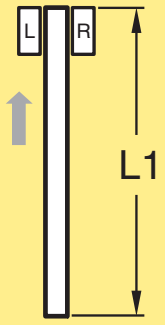
Examples of application areas

Small ball bearings, perfume bottles, pharmaceutical bottles, sintered metal components.

Technical characteristics

Drive unit capacity limit	500 N
Chain tension limit	500 N
Beam width	45 mm
Chain width	44 mm
Chain pitch	25,4 mm
Item width	10–80 mm
Maximum item weight	
Horizontal transport	2 kg
Vertical transport	1 kg
Maximum weight on conveyor	150 kg
Maximum conveyor length	30 m
Maximum permitted load per link 0,5 kg	

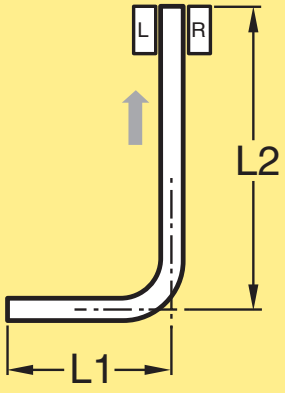
Straight conveyor



Conveyor module – straight * **5990226**

**Use online configurator when ordering*

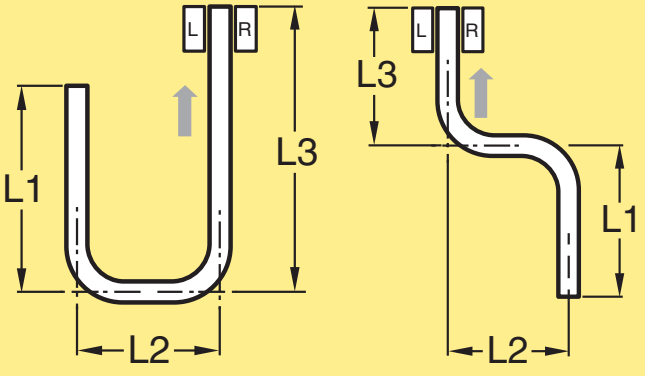
One bend conveyor



Conveyor module – one bend * **5990230**

**Use online configurator when ordering*

Two bend conveyor



Conveyor module – two bends * **5990237**

**Use online configurator when ordering*

Support modules – single and multi-lane

	5995387	Single diecast
	5995388	Single end adjustable
	5995389	Single end guide roller
	5995390	Single foot plate
	5995391	Single two/three-point
	5995393	Multi single 2 lane
	5995394	Multi single 3 lane
	5995395	Multi single 4 lane
	5995396	Multi double 2lane
	5995397	Multi double 3 lane
	5995398	Multi double 4 lane

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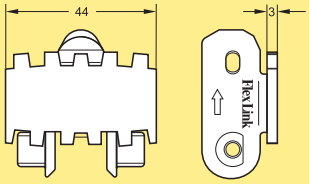
Plain chain



Plain chain
Length 5 m — **XSTP 5**

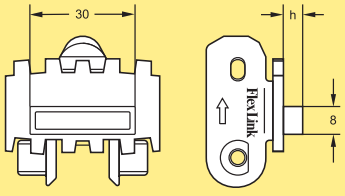
Plain link kit — **5056061**

Plain chain (Ultra low wear)
Length 5 m — **XSTP 5 C**

Plain link kit (Ultra low wear) — **n.a.**

Note. Link kit contains 10 links, 10 pivot, 10 steel pins.

Cleated chain, Type D



Cleated chain Type D,
Length 5 m

h=3	**XSTF 5×3 D**
h=5,5	**XSTF 5×5.5 D**
h=9	**XSTF 5×9 D**
h=27	**XSTF 5×27 D**

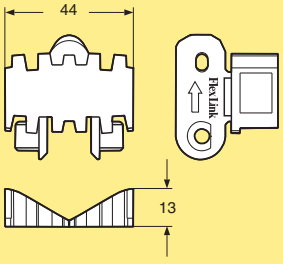
Use the online configurator to specify and order.

Cleated link kit

h=3	**5056052**
h=5,5	**5056049**
h=9	**5056045**
h=27	**5056053**

Note. Link kit contains 10 links, 10 pivot, 10 steel pins.

Cleated chain (flat top cleats)



Cleated chain
Length 5 m — **3903721**

Cleated link kit — **5056626**

Note. Link kit contains 10 links, 10 pivot, 10 steel pins.

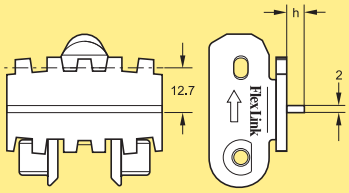
Other chains

See the Chain guide for selection of other chains.

Chain installation

See Appendix “D. Chain installation” on page 532,

Cleated chain, Type G



Cleated chain Type G
Length 5 m

h=3	**XSTF 5×3 G**
h=5	**XSTF 5×5 G**
h=9	**XSTF 5×9 G**

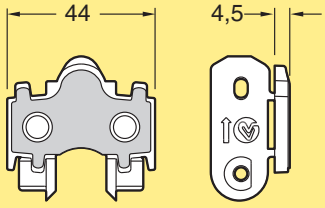
Use the online configurator to specify and order.

Cleated link kits

h=3	**5056051**
h=5	**5056050**
h=9	**5056043**

Note. Link kit contains 10 links, 10 pivot, 10 steel pins.

Steel top chain



Steel top chain
Length 5 m — **XSTP 5 TF**

Steel top link kit — **5056634**

Note. Link kit contains 10 links, 10 pivot, 10 steel pins.

Other chains

See the *Chain guide* for a selection of other chains.

Chain installation

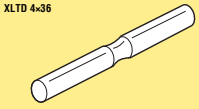
See “Appendix “D. Chain installation” on page 532 for installation instructions.

Plastic pivot for chain

Plastic pivot kit XS **5111489**

Plastic pivot kit, 25 pc

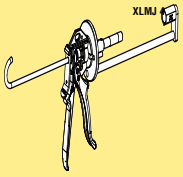
Steel pin

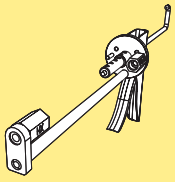


Steel pin kit XS **5111492**

Steel pin kit, 25 pc

Pin insertion tool for chain





Pin insertion tool

XS-X65-XT	**XLMJ 4**
XS-X65-XT, PRO version*	**XLMJ 4 P**

**This product is recommended for frequent users.*

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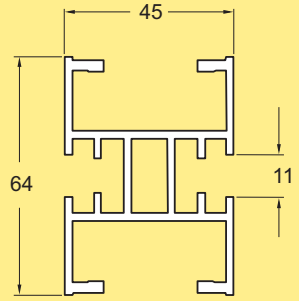
Beam

Conveyor beam

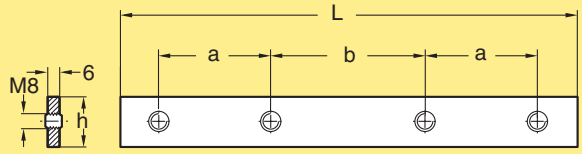


Beam
Length 3000 +10/-0 mm **XSCB 3**
Length to order (30- 3000 mm) **XSCB L**

Slide rail: see page 106

Beam accessories XS

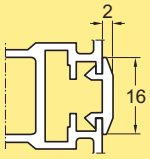
Connecting strip with set screws

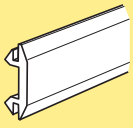


Connecting strip with set screws
h=20, a=30, b=50, L=130 **XSCJ 6×130**

Note. Contains 10 pcs.

Cover strip for T-slot, PVC

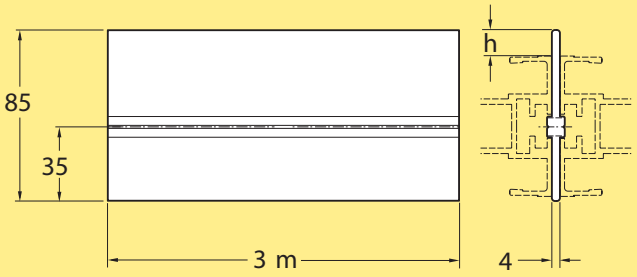




Cover strip for T-slot, PVC
Length 25 m **XLAB 25**

For XS-XH

Beam spacer

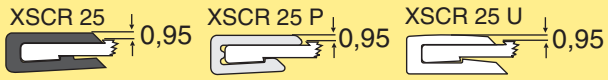


XS	X65	X85/XH	XK
h=16,0 mm	h=15,9 mm	h=10,5 mm	h=0,5 mm

Beam spacer
Aluminium, anodized
Length 3 m **XLCD 3**

For connection of two conveyor beams side to side. Use M8 screw and slot nut. Two holes must be drilled, one through the spacer (9 mm) and one through the beam, to allow insertion of the screw. The diameter of the second hole depends on the size of the screw head.

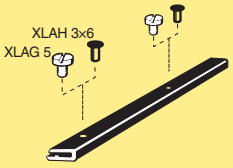
Plastic slide rails for XS beam



Slide rail
Length 25 m

HDPE (μ=0,1–0,25) (Black)	**XSCR 25**
PVDF (μ=0,15–0,35) (Natural white)	**XSCR 25 P**
UHMW-PE (μ=0,1–0,25) (White)	**XSCR 25 U**
PA-PE (μ=0,1–0,25) (Grey)	**XSCR 25 H**

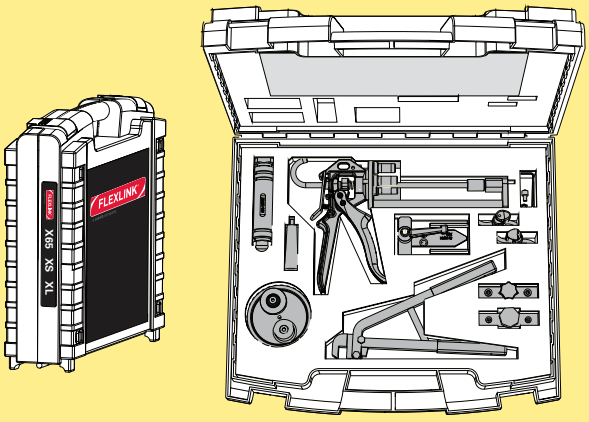
Aluminium rivets



Aluminium rivets 3 mm for XS conveyors **XLAH 3×6**

Extra slide rail in plain bends must be anchored using plastic screws due to lack of space for the rivet crimping tool.
Note. Contains 250 pcs..

Toolbox for assembly and maintenance (XS, X65, XL)

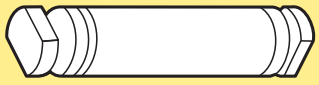


Toolbox **FLX1007253**

Contains:

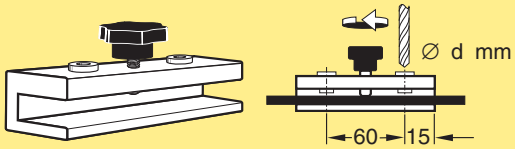
Pin insertion tool (chain)	**XLMJ 4 P**
Mounting tool (slide rail)	**XLMR 140**
Mounting tool handle (slide rail)*	**3923686**
Rivet crimping pliers 4 mm (slide rail)	**5051395**
Rivet crimping clamp 4 mm (slide rail)	**3923005**
Rivet tool 3 mm (slide rail)	**FLX1005029**
Drill fixture (slide rail)	**5116761**
Drill fixture 4 mm (slide rail)	**3920500**
Drill fixture 3 mm (slide rail)	**3924774**

Mounting tool for slide rail



Mounting tool for slide rail XS, X65 **XLMR 140**

Drill fixture for slide rail

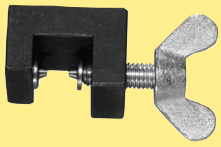


Drill fixture for XS slide rail
d=3,2 **3924774**

Rivet crimping pliers

Rivet crimping pliers for XS
For 3 mm rivets **3924776**

Rivet crimping clamp



Rivet crimping clamp for XS
For 3 mm rivets **FLX1005029**

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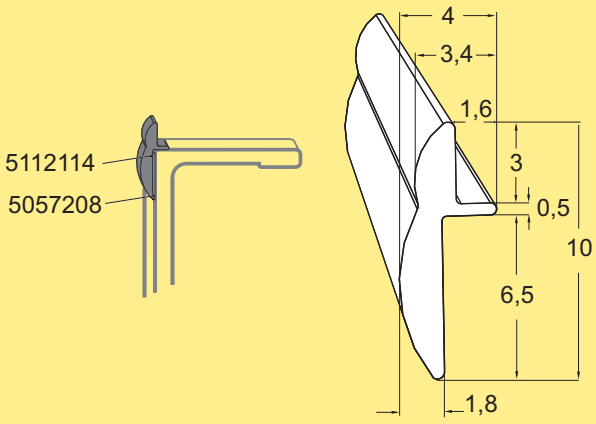
Cover strip



Cover strip
Length: 3 m
Material: Plastic PA 12 **5112114**

Cover the opening on the side between the chain and beam. Primarily for straight sections and the outer curves, but can also be mounted on inner curves. Apply using a double-sided tape, see mounting instruction 5497EN in Technical library.

Glue tape 3M

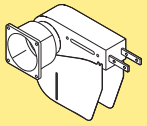
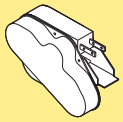
Glue tape
Length 30 m **5057208**

Drive unit types

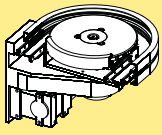
The XS system includes several configurations, including direct driven units with suspended motor and transmission chain as well as drive units.

Available motors include variable speed types (**V**) as well as fixed speed motors (**F**).

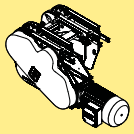
End drive units

Size	Direct drive, slip clutch	Suspended motor, transmission chain, slip clutch
		
Heavy	**F, V**	**F**

Wheel bend drive units

Size	Suspended motor, transmission chain, slip clutch
	
Heavy	**F**

Double drive units

Size	Suspended motor, transmission chain, slip clutch
	
Heavy	**F**

Motor specifications

Motors are available for 230/400 V, 50 Hz and 230/460 V, 60 Hz. Variable speed motors are SEW Movimot, 380–500 V. Note that variable speed motors include a control box that adds 120 mm to the width of the motor.
IP55 available with standard oil.
IP65 available with food grade oil.

Ordering information

Drive units with motors must be specified using the web-based configurator. The configurator provides detailed information and step-by-step guidance in the specification process. A product code string is generated, containing the specification details. See next page for examples of code strings.

Drive units *without* motors can be ordered using the designations in the catalogue.

Dimension

Note that dimensions relating to drive unit motors depend on the motor specified during the configuration.

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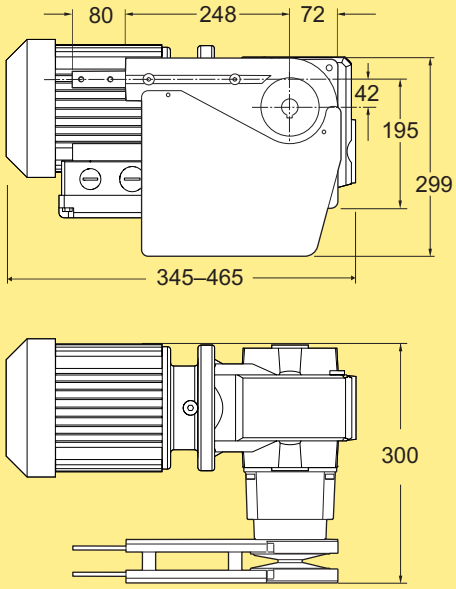
End drive units, direct drive with slip clutch

End drive unit, direct drive with slip clutch

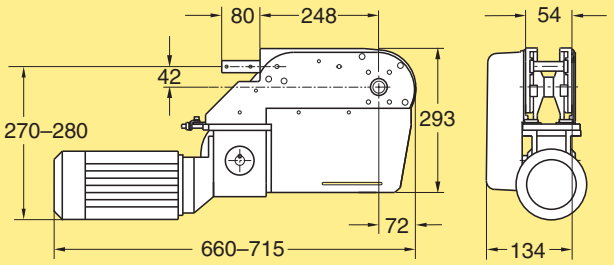


End drive unit, direct drive
- Fixed speed up to 60 m/min
- Variable speed: see *Drive Unit Guide*
- Motor on left side
  - Fixed/variable speed — **XSEB**
  - Without motor — **XSEB 0 HLP**
- Motor on right side
  - Fixed/variable speed — **XSEB**
  - Without motor — **XSEB 0 HRP**

Maximum traction force: 500 N. See page 22.
Use online configurator when ordering.
Effective track length: 0,80 m

End drive units, suspended, with slip clutch

End drive unit, type H, suspended motor, slip clutch

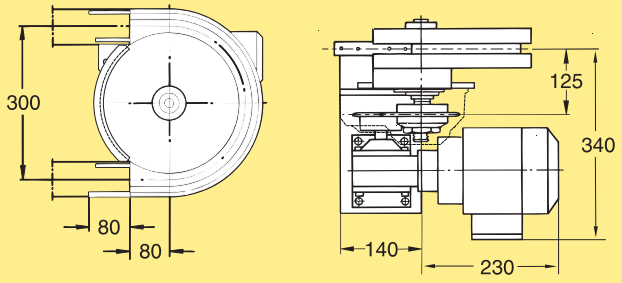


End drive unit
- Fixed speed up to 60 m/min
- Transmission on left side
  - Fixed speed — **XSEB**
  - Without motor (ISO) — **XSEB 0 HL**
  - Without motor (ANSI) — **XSEB 0 HLA**
- Transmission on right side
  - Fixed speed — **XSEB**
  - Without motor (ISO) — **XSEB 0 HR**
  - Without motor (ANSI) — **XSEB 0 HRA**

Maximum traction force: 500 N. See page 22.
Use online configurator when ordering.
Effective track length: 0,80 m

Bend drive unit

Bend drive unit, suspended, 180°

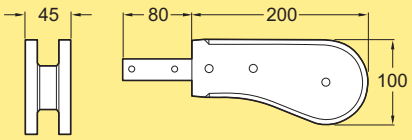


Bend drive unit, 180°
- Fixed speed up to 30 m/min
- Fixed speed — **XSEW**
- Without motor (ISO) — **XSEW 180/0 H**
- Without motor (ANSI) — **XSEW 180/0 HA**

Maximum traction force: 200 N. See page 22.
Use online configurator when ordering.
Effective track length: 0,65 m

Idler end unit

Idler end unit

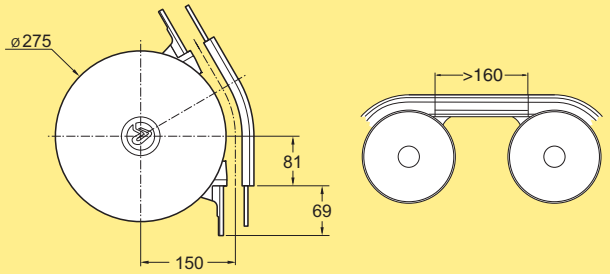


Idler end unit **XSEJ 200**

Effective track length: 0,50 m

Wheel bends

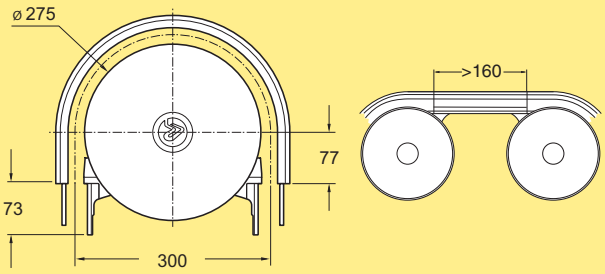
Wheel bend, 30°



Wheel bend, 30° **XSBH 30R150 A**

Effective track length: 0,25 m 1-way (0,50 m 2-way)

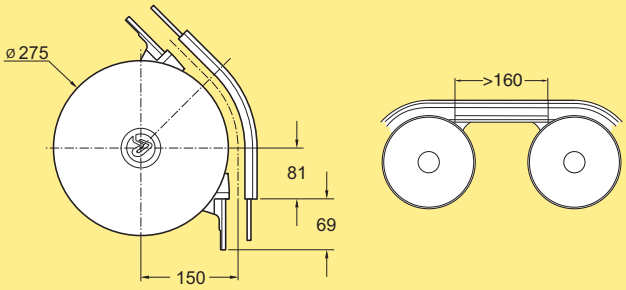
Wheel bend, 180°



Wheel bend, 180° **XSBH 180R150 A**

Effective track length: 0,65 m 1-way (1,30 m 2-way)

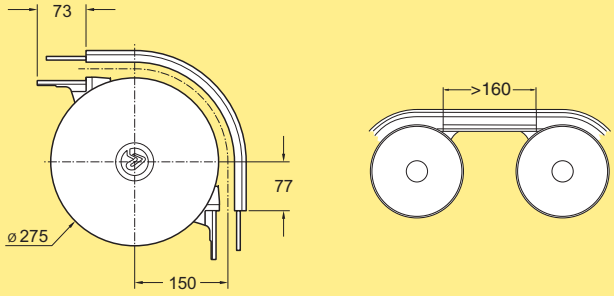
Wheel bend, 45°



Wheel bend, 45° **XSBH 45R150 A**

Effective track length: 0,30 m 1-way (0,60 m 2-way)

Wheel bend, 90°

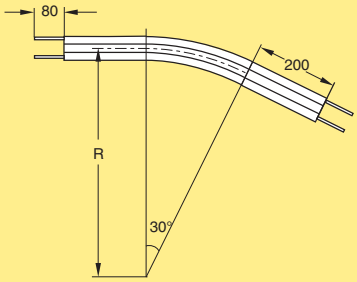


Wheel bend, 90° **XSBH 90R150 A**

Effective track length: 0,40 m 1-way (0,80 m 2-way)

 © FlexLink 2026

Plain bend, 30°

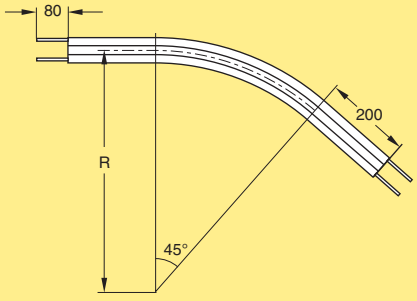


Plain bend, 30°±1°

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

Effective track lengths:
R500: 0,70 m 1-way (1,35 m 2-way)
R700: 0,80 m 1-way (1,55 m 2-way)
R1000: 0,95 m 1-way (1,85 m 2-way)

Plain bend, 45°

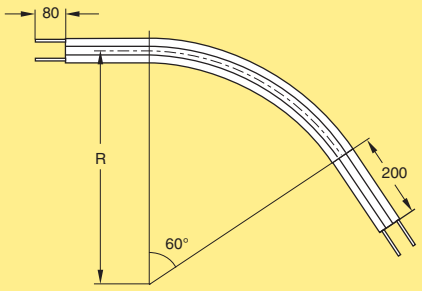


Plain bend, 45°±1°

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

Effective track lengths:
R500: 0,80 m 1-way (1,60 m 2-way)
R700: 0,95 m 1-way (1,90 m 2-way)
R1000: 1,20 m 1-way (2,40 m 2-way)

Plain bend, 60°

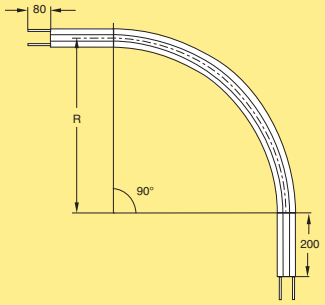


Plain bend, 60°±1°

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

Effective track lengths:
R500: 0,95 m 1-way (1,85 m 2-way)
R700: 1,15 m 1-way (2,30 m 2-way)
R1000: 1,45 m 1-way (2,90 m 2-way)

Plain bend, 90°



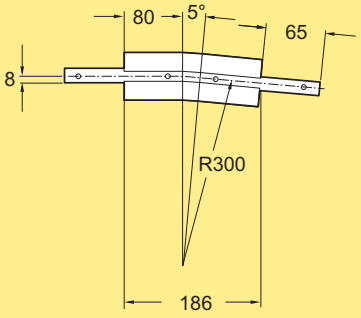
Plain bend, 90°±1°

R=500±10 mm	**XSBP 90R500**
R=700±10 mm	**XSBP 90R700**
R=1000±10 mm	**XSBP 90R1000**

Effective track lengths:
R500: 1,20 m 1-way (2,40 m 2-way)
R700: 1,50 m 1-way (3,00 m 2-way)
R1000: 2,00 m 1-way (3,95 m 2-way)

Vertical bends

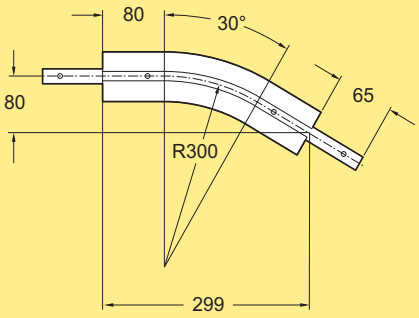
Vertical bend, 5°



Vertical bend, 5° **XSBV 5R300**

Effective track length: 0,20 m 1-way (0,40 m 2-way)

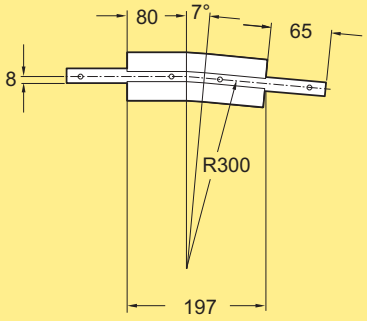
Vertical bend, 30°



Vertical bend, 30° **XSBV 30R300**

Effective track length: 0,35 m 1-way (0,65 m 2-way)

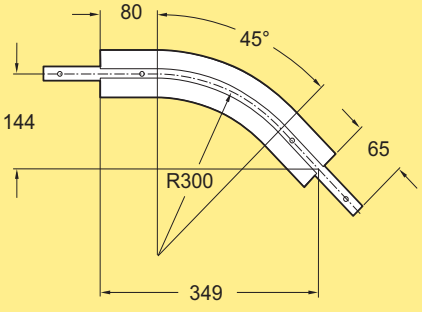
Vertical bend, 7°



Vertical bend, 7° **XSBV 7R300**

Effective track length: 0,22 m 1-way (0,44 m 2-way)

Vertical bend, 45°



Vertical bend, 45° **XSBV 45R300**

Effective track length: 0,45 m 1-way (0,80 m 2-way)

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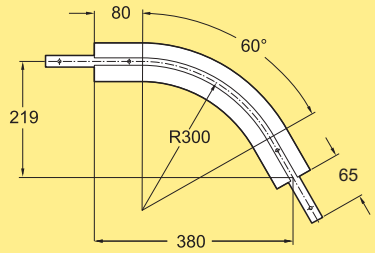
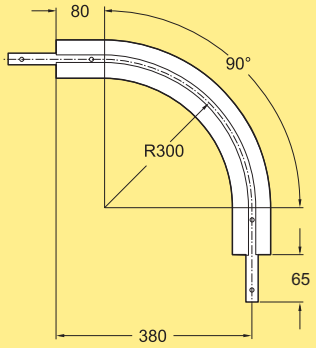
Vertical bend, 60°



Vertical bend, 60° **XSBV 60R300**

Effective track length: 0,50 m 1-way (0,95 m 2-way)

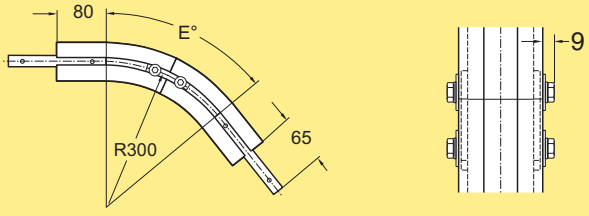
Vertical bend 90°



Vertical bend
90° ± 0,5°
R300 ± 5 mm **XSBV 90R300**

Effective track length: 0,70 m 1-way (1,30 m 2-way)

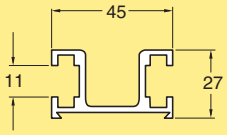
Vertical bend, 5°–90°



Vertical bend, 5°–90° **XSBV ER300**

The bend is cut in the middle to the desired angle and assembled using connecting strips. The angle "E" must be specified when ordering.

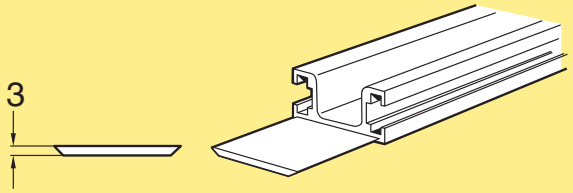
Front piece



Front piece
Length 3 m

XSVF 3

Sliding strip for front piece

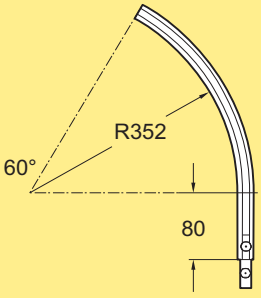


Sliding strip for front piece
Length 2 m

XSVG 2

The sliding strip must be anchored to the front piece. Rivets and tools for anchoring: see page 106.

Front piece upper bend

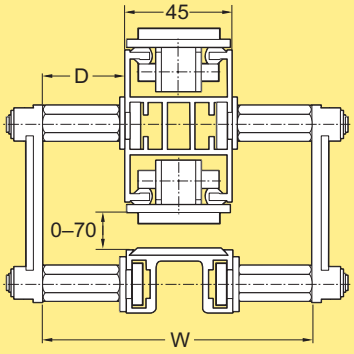


Upper bend, 60°

XSVA 60R352

Includes connecting strip with screws

Linkage kit for front piece

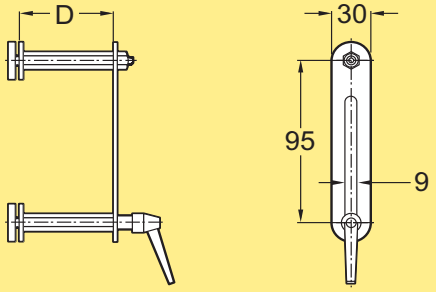


Linkage kit
W=110, D=33
W=160, D=58

XLVK 33
XLVK 58

Kit includes two support pairs and one locking device.

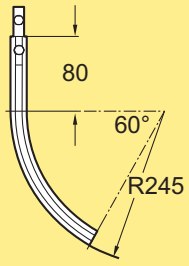
Bend support for front piece



Bend support
D=33
D=58

XLVS 33
XLVS 58

Front piece lower bend



Lower bend, 60°

XSVB 60R245

Includes connecting strip with screws

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