

Conveyor system XS

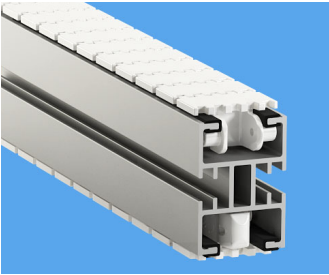
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System information



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

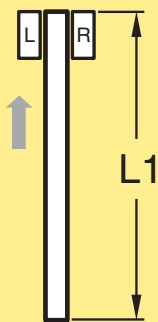
Small ball bearings, perfume bottles, pharmaceutical bottles, sintered metal components.

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	

Conveyor modules

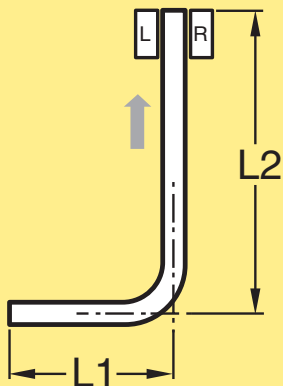
Straight conveyor



Conveyor module – straight * **5990226**

**Use online configurator when ordering*

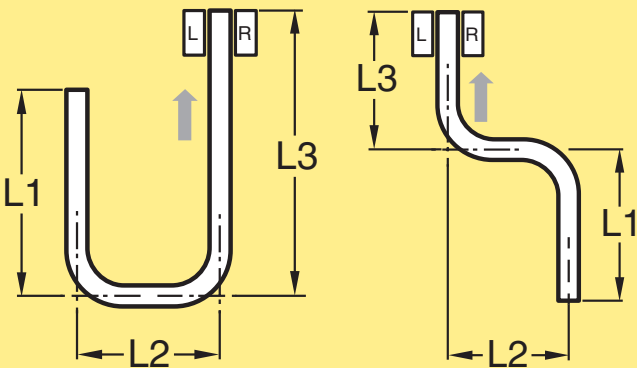
One bend conveyor



Conveyor module – one bend * **5990230**

**Use online configurator when ordering*











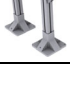
Two bend conveyor



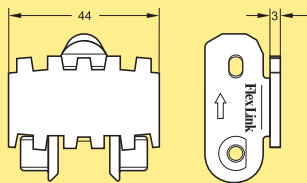
Conveyor module – two bends * **5990237**

**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

Plain chain

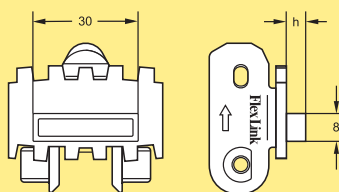


Plain chain
Length 5 m **XSTP 5**
Plain link kit **5056061**

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



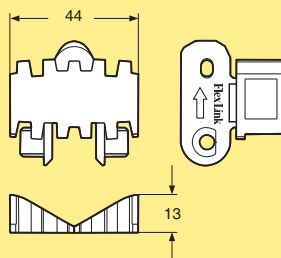
Cleated chain Type D,
Length 5 m
h=3 **XSTF 5x3 D**
h=5,5 **XSTF 5x5.5 D**
h=9 **XSTF 5x9 D**
h=27 **XSTF 5x27 D**

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.

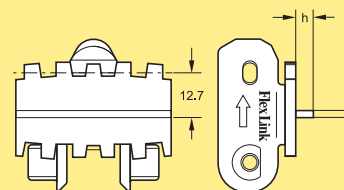
Other chains

See the Chain guide for selection of other chains.

Chain installation

See Appendix “D. Chain installation” on page 533,

Cleated chain, Type G



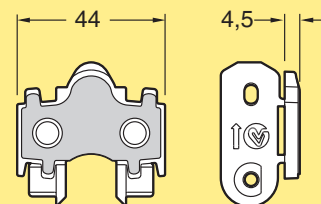
Cleated chain Type G
Length 5 m
h=3 **XSTF 5x3 G**
h=5 **XSTF 5x5 G**
h=9 **XSTF 5x9 G**

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 533 for installation instructions.

Chain accessories XS

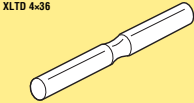
Plastic pivot for chain



Plastic pivot kit XS5111489

Plastic pivot kit, 25 pc

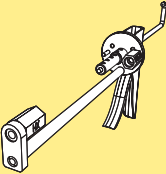
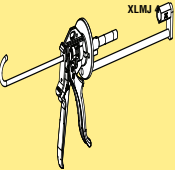
Steel pin



Steel pin kit XS5111492

Steel pin kit, 25 pc

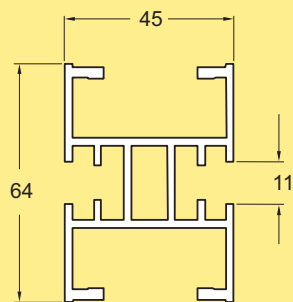
Pin insertion tool for chain



Pin insertion toolXS-X65-XTXLMJ 4XS-X65-XT, PRO version*XLMJ 4 P

*This product is recommended for frequent users.

Conveyor beam



Beam

Length 3000 +10/-0 mm

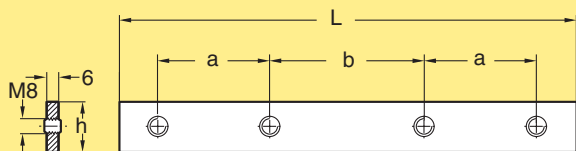
Length to order (30- 3000 mm)

XSCB 3
XSCB L

Slide rail: see page 106

Beam accessories XS

Connecting strip with set screws



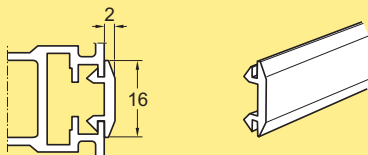
Connecting strip with set screws

$h=20, a=30, b=50, L=130$

XSCJ 6x130

Note. Contains 10 pcs.

Cover strip for T-slot, PVC



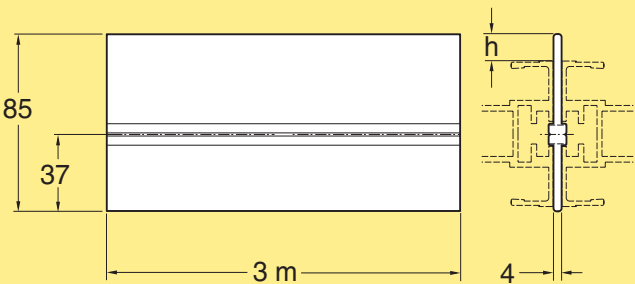
Cover strip for T-slot, PVC

Length 25 m

XLAB 25

For XS-XH

Beam spacer



XS	XL	XH	XK
$h=16,0 \text{ mm}$	$h=15,9 \text{ mm}$	$h=10,5 \text{ mm}$	$h=0,5 \text{ mm}$

Beam spacer

Aluminium, anodized

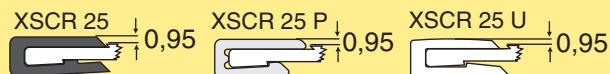
Length 3 m

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.

Slide rails XS

Plastic slide rails for XS beam



Slide rail

Length 25 m

HDPE ($\mu=0,1-0,25$) (Black)

PVDF ($\mu=0,15-0,35$) (Natural white)

UHMW-PE ($\mu=0,1-0,25$) (White)

PA-PE ($\mu=0,1-0,25$) (Grey)

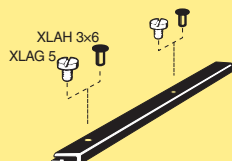
XSCR 25

XSCR 25 P

XSCR 25 U

XSCR 25 H

Aluminium rivets



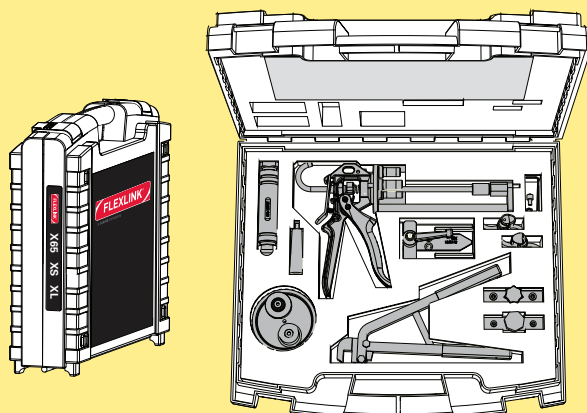
Aluminium rivets 3 mm for
XS conveyors

XLAH 3x6

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)

Mounting tool (slide rail)

Mounting tool handle* (slide rail)

Rivet crimping pliers 4 mm (slide rail)

Pliers kit 3 mm (slide rail)

XLMJ 4 P

XLMR 140

3923686

5051395

3922995,

3922996

Rivet crimping clamp 4 mm (slide rail)

Rivet tool 3 mm (slide rail)

Drill fixture (slide rail)

Drill fixture 4 mm (slide rail)

Drill fixture 3 mm (slide rail)

3923005

FLX1005029

5116761

3920500

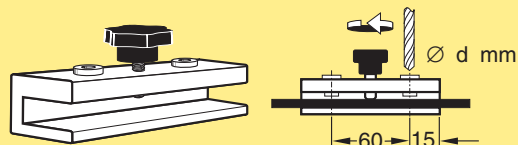
3924774

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

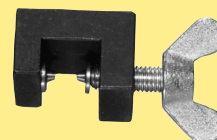


Rivet crimping pliers for XS

For 3 mm rivets

3924776

Rivet crimping clamp

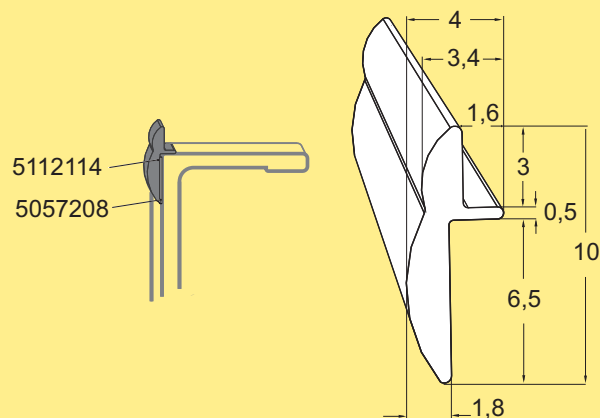


Rivet crimping clamp for XS

For 3 mm rivets

3924770

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 (for XS, X65, X85, XH)

Length 30 m

5057208

PO

CC

X45

XS

X65

X65P

X85

X85P

XH

XK

XKP

X180

X300

GR

CS

XT

HU

WL

WK

XC

XF

XD

ELV

CTL

FST

TR

APX

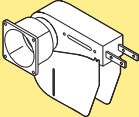
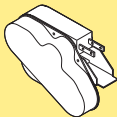
IDX

Drive unit types

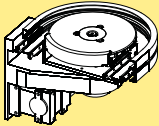
The XS system includes several configurations, including direct driven units with suspended motor and transmission chain as well as drive units.

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

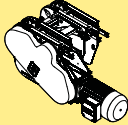
End drive units

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

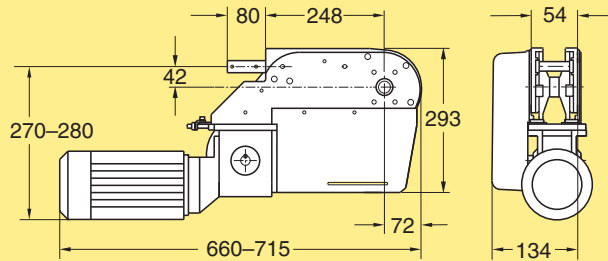
Drive units with motors must be specified using the web-based configurator. The configurator provides detailed information and step-by-step guidance in the specification process. A product code string is generated, containing the specification details. See next page for examples of code strings.

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.

End drive unit, suspended motor, slip clutch



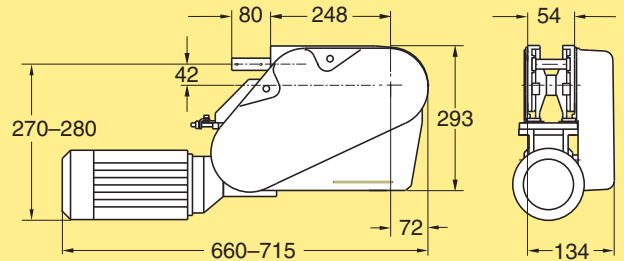
End drive unit

Fixed speed up to 60 m/min
Transmission on left side
Fixed speed
Without motor (ISO)
Without motor (ANSI)

XSEB
XSEB 0 HL
XSEB 0 HLA

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

End drive unit, suspended motor, slip clutch



End drive unit

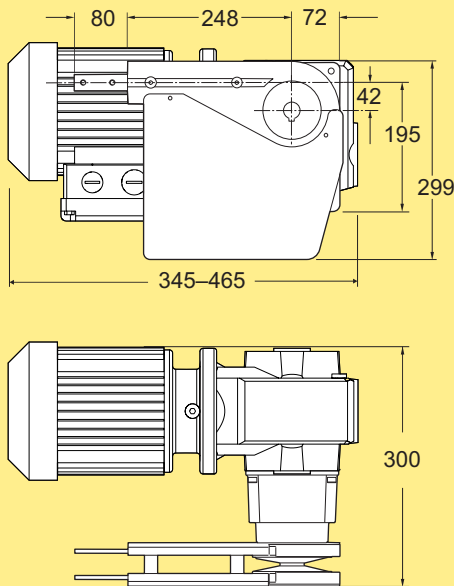
Fixed speed up to 60 m/min
Transmission on right side
Fixed speed
Without motor (ISO)
Without motor (ANSI)

XSEB
XSEB 0 HR
XSEB 0 HRA

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

End drive units XS, direct drive with slip clutch

End drive unit, direct drive with slip clutch



End drive unit, direct drive

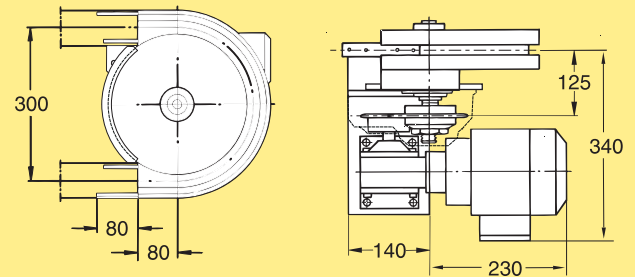
Fixed speed up to 60 m/min
Variable speed: see *Drive Unit Guide*
Motor on left side
Fixed/variable speed
Without motor
Motor on right side
Fixed/variable speed
Without motor

XSEB
XSEB 0 HLP
XSEB
XSEB 0 HRP

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

Bend drive unit XS

Bend drive unit, suspended, 180°



Bend drive unit, 180°

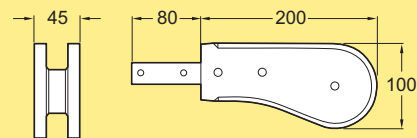
Fixed speed up to 30 m/min
Fixed speed
Without motor (ISO)
Without motor (ANSI)

XSEW
XSEW 180/0 H
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 XS

Idler end unit



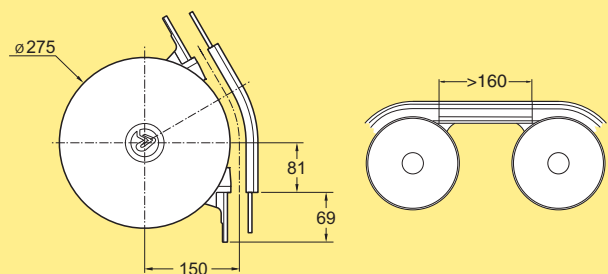
Idler end unit

XSEJ 200

Effective track length: 0,50 m

Wheel bends XS

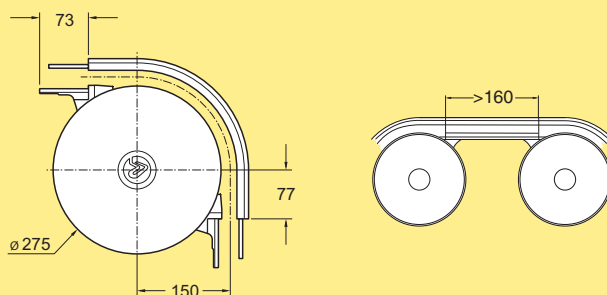
Wheel bend, 30°



Wheel bend, 30° **XSBH 30R150 A**

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

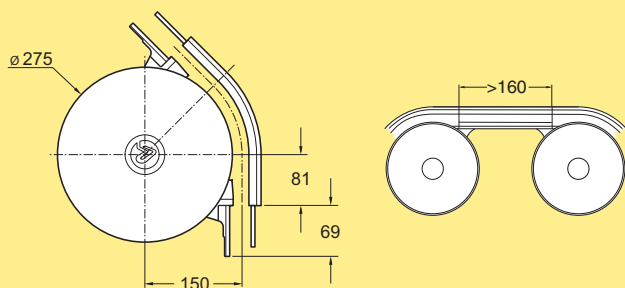
Wheel bend, 90°



Wheel bend, 90° **XSBH 90R150 A**

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

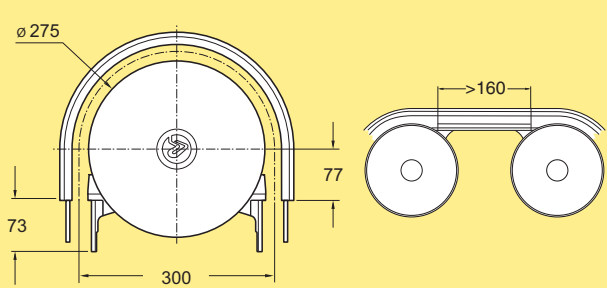
Wheel bend, 45°



Wheel bend, 45° **XSBH 45R150 A**

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

Wheel bend, 180°

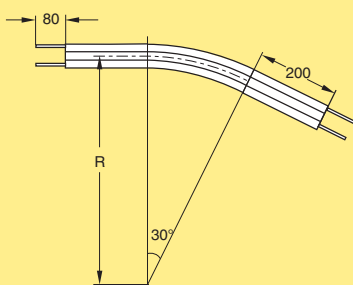


Wheel bend, 180° **XSBH 180R150 A**

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

Plain bends XS

Plain bend, 30°



Plain bend, 30°±1°

R=500±10 mm

R=700±10 mm

R=1000±10 mm

XSBP 30R500
XSBP 30R700
XSBP 30R1000

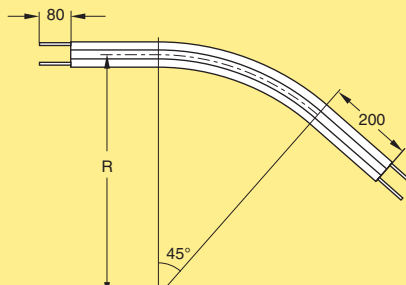
Effective track lengths:

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

R=700±10 mm

R=1000±10 mm

XSBP 45R500
XSBP 45R700
XSBP 45R1000

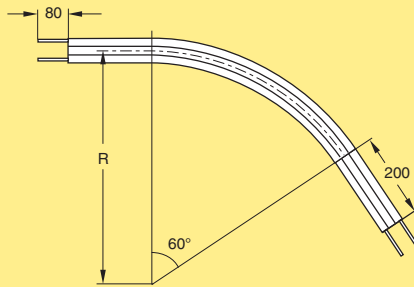
Effective track lengths:

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

R=700±10 mm

R=1000±10 mm

XSBP 60R500

XSBP 60R700

XSBP 60R1000

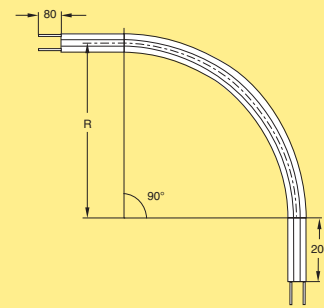
Effective track lengths:

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

R=700±10 mm

R=1000±10 mm

XSBP 90R500

XSBP 90R700

XSBP 90R1000

Effective track lengths:

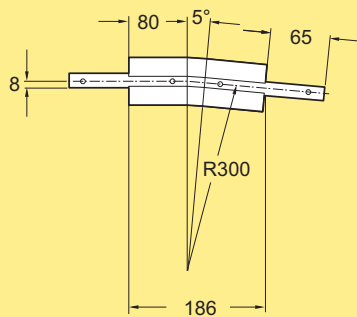
R500: 1,20 m 1-way (2,40 m 2-way)

R700: 1,50 m 1-way (3,00 m 2-way)

R1000: 2,00 m 1-way (3,95 m 2-way)

Vertical bends XS

Vertical bend, 5°

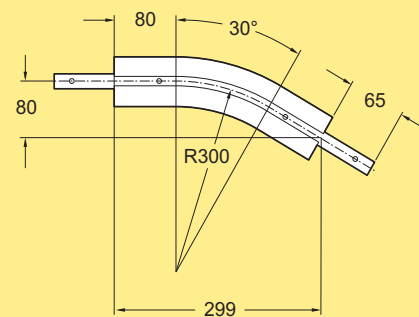


Vertical bend, 5°

XSBV 5R300

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

Vertical bend, 30°

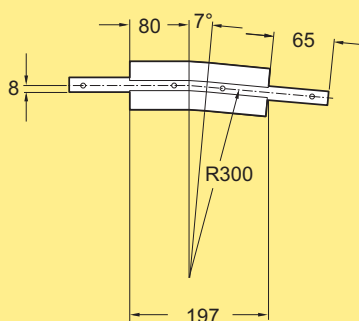


Vertical bend, 30°

XSBV 30R300

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

Vertical bend, 7°

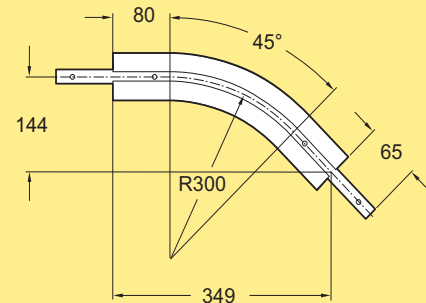


Vertical bend, 7°

XSBV 7R300

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

Vertical bend, 45°

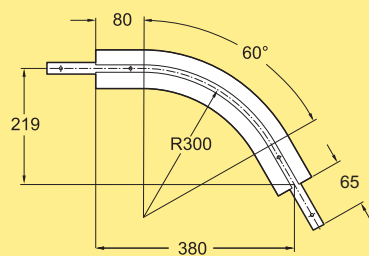


Vertical bend, 45°

XSBV 45R300

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

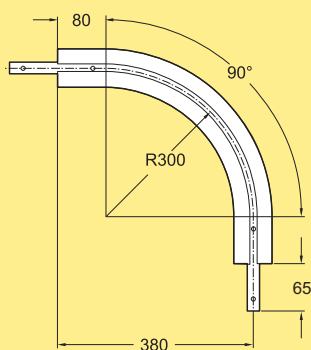
Vertical bend, 60°



Vertical bend, 60° **XSBV 60R300**

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

Vertical bend 90°



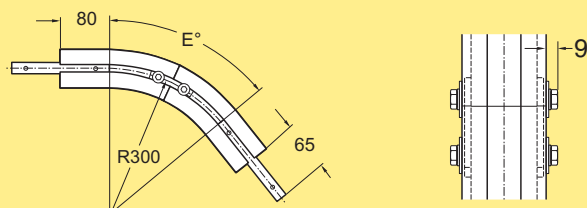
Vertical bend **XSBV 90R300**

90° ± 0,5°

R300 ± 5 mm

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

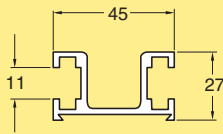
Vertical bend, 5°–90°



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.

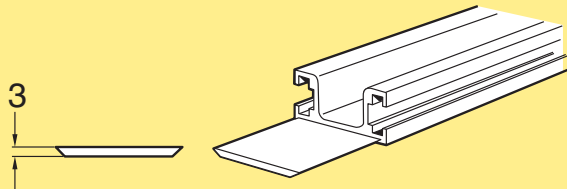
Front piece



Front piece
Length 3 m

XSVF 3

Sliding strip for front piece

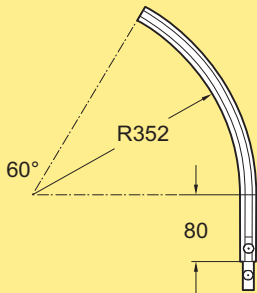


Sliding strip for front piece
Length 2 m

XSVG 2

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

Front piece upper bend

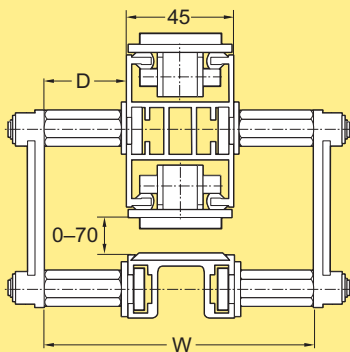


Upper bend, 60°

XSVA 60R352

Includes connecting strip with screws

Linkage kit for front piece



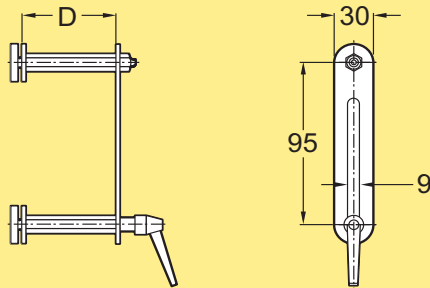
Linkage kit

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

XLVK 33
XLVK 58

Kit includes two support pairs and one locking device.

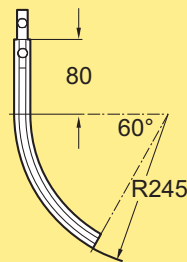
Bend support for front piece



Bend support
D=33
D=58

XLVS 33
XLVS 58

Front piece lower bend



Lower bend, 60°

XSVB 60R245

Includes connecting strip with screws

PO

CC

X45

XS

X65

X65P

X85

X85P

XH

XK

XKP

X180

X300

GR

CS

XT

HU

WL

WK

XC

XF

XD

ELV

CTL

FST

TR

APX

IDX

