

Conveyor system XS

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

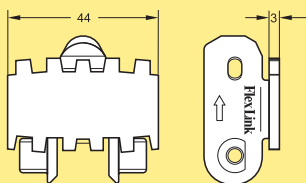
Small ball bearings, perfume bottles, pharmaceutical bottles, sintered metal components.

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

Chains XS

Plain chain



Plain chain
Length 5 m

XSTP 5

Plain link kit *

5056061

Plain chain (Ultra low wear)
Length 5 m

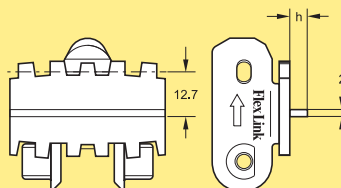
XSTP 5 C

Plain link kit (Ultra low wear)

n.a.

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

Cleated chain, Type 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#

Enter cleat frequency (1–20) instead of # in product designation.

Cleated link kits *

h=3

5056051

h=5

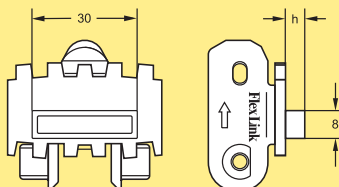
5056050

h=9

5056043

*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#

Enter cleat frequency (1–20) instead of # in product designation.

Cleated link kit *

h=3

5056052

h=5,5

5056049

h=9

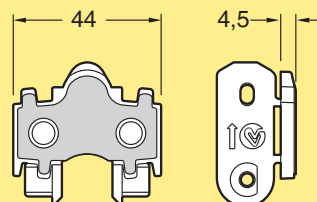
5056045

h=27

5056053

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

Steel top chain



Steel top chain
Length 5 m

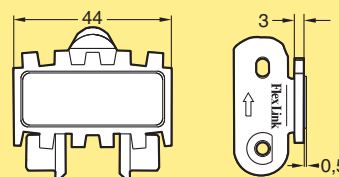
XSTP 5 TF

Steel top link kit *

5056634

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

Friction top chain



Steel top chain
Length 5 m

XSTP 5 F

Steel top link kit *

5056060

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

Other chains

See the FlexLink chain guide for selection of other chains.

Chain installation

See Appendix "D. Chain installation" on page 361,

Chain accessories XS

Plastic pivot for chain

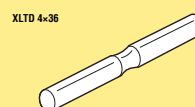


Plastic pivot kit XS, XL

5111489

Plastic pivot kit, 25 pc

Steel pin



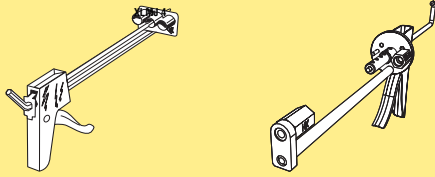
Steel pin kit XS, XL

5111492

Steel pin kit, 25 pc

Chain accessories XS (continued)

Pin insertion tool for chain



Pin insertion tool
XS-XL-XT
XS-XL-XT, PRO version*

XLMJ 4
XLMJ 4 P

*This product is recommended for frequent users.

Lubricant for chain

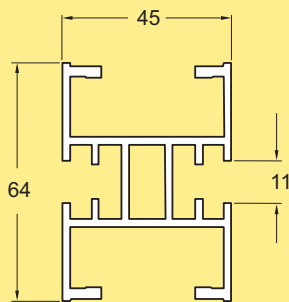


Silicone-based lubricant

LDSS 450

Beam XS

Conveyor beam



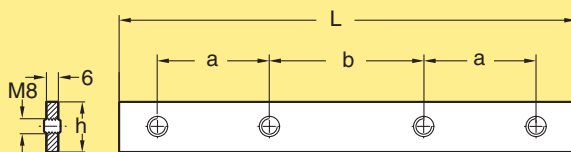
Beam
Length 3 m (3030 ±5 mm)
Length to order (30- 3000 mm)

XSCB 3
XSCB L

Slide rail: see page 26

Beam accessories XS

Connecting strip with set screws

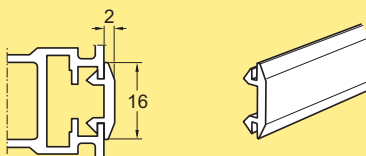


Connecting strip with set screws
h=20, a=30, b=50, L=130

XSCJ 6×130

Note. Must be ordered in multiples of 10

Cover strip for T-slot, PVC

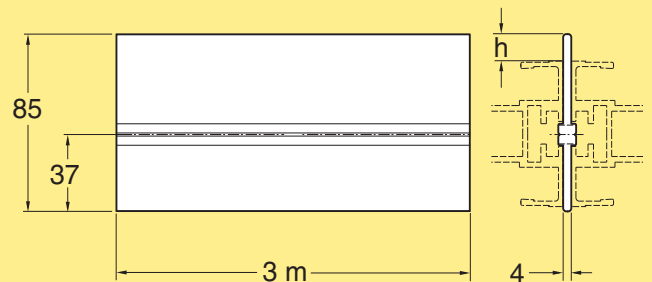


Cover strip for T-slot, PVC
Length 25 m

XLAB 25

For XS-XL-XH

Beam spacer



XS	XL	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.

Slide rails XS

Plastic slide rails for XS beam



Slide rail

Length 25 m

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

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

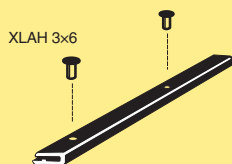
XSCR 25 H

Mounting tool for slide rail



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

Aluminium rivets



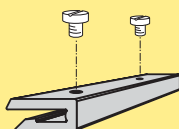
Aluminium rivets 3 mm for XS conveyors

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. Must be ordered in multiples of 250.

Plastic screws for slide rail

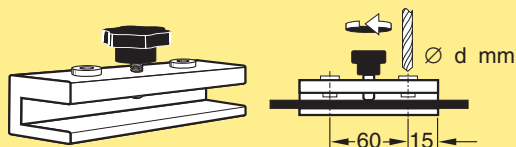


Plastic screws 5 mm for XS-XL-X85-XH-XB beams

XLAG 5

Note. Must be ordered in multiples of 50

Drill fixture for slide rail



Drill fixture for XS slide rail
d=3,2

3924774

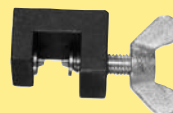
Rivet crimping pliers



Rivet crimping pliers for XS
For 3 mm rivets

3924776

Rivet crimping clamp



Rivet crimping clamp for XS
For 3 mm rivets

3924770

End drive units XS

End drive unit HL/HLA

End drive unit
Suspended 3-phase motor
Transmission on left side
50 Hz 230/400 V
60 Hz 230/460 V

XSEB # HL
XSEB # HLA

*Insert desired speed instead of # in designation:
50 Hz: 5-10-15-20-25-30-40-50-60 m/min.
60 Hz: 6-10-12-16-19-21-25-27-33-38-46-55-59 m/min.
Maximum traction force: 500 N. See page 16.
Effective track length: 0,80 m*

End drive unit HR/HRA

End drive unit
Suspended 3-phase motor
Transmission on right side
50 Hz 230/400 V
60 Hz 230/460 V

XSEB # HR
XSEB # HRA

*Insert desired speed instead of # in designation:
50 Hz: 5-10-15-20-25-30-40-50-60 m/min.
60 Hz: 6-10-12-16-19-21-25-27-33-38-46-55-59 m/min.
Maximum traction force: 500 N. See page 16.
Effective track length: 0,80 m*

End drive units XS, direct drive with slip clutch

End drive unit HLP/HLAP

End drive unit, direct drive
3-phase motor on left side
50 Hz 230/400 V
60 Hz 230/460 V

XSEB # HLP
XSEB # HLAP

*Insert desired speed instead of # in designation:
50 Hz: 5-10-15-20-25-30-40-50-60 m/min.
60 Hz: 6-10-16-20-31-36-45-64 m/min.
Maximum traction force: 500 N. See page 16.
Effective track length: 0,80 m
Variable speed motors: see page 347.*

End drive unit HRP/HRAP

End drive unit, direct drive
3-phase motor on right side
50 Hz 230/400 V
60 Hz 230/460 V

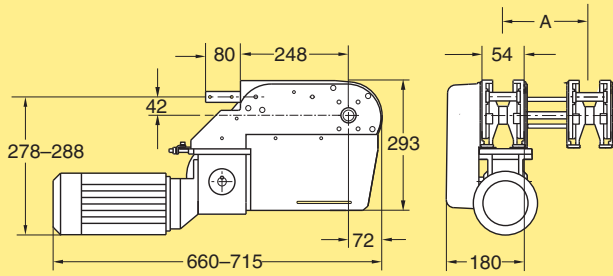
XSEB # HRP
XSEB # HRAP

*Insert desired speed instead of # in designation:
50 Hz: 5-10-15-20-25-30-40-50-60 m/min.
60 Hz: 6-10-16-20-31-36-45-64 m/min.
Maximum traction force: 500 N. See page 16.
Effective track length: 0,80 m
Variable speed motors: see page 347.*

PO
XS
XL
XLP
X85
X85P
XH
XK
XKP
XB
GR
CS
XT
XC
XF
FST
XMY
XLX
XMY
GRX
CSX
ELV
CTL
TR
APX
IDX

Double drive units XS

Double drive unit HLD/HLAD



Double drive unit

Suspended 3-phase motor

Transmission on left side

A = 55 mm

50 Hz 230/400 V

60 Hz 230/460 V

XSEB # HLD55
XSEB # HLAD55

A = 90–350 mm

50 Hz 230/400 V

60 Hz 230/460 V

XSEB # HLD-
XSEB # HLAD-

Insert desired speed instead of # in designation:

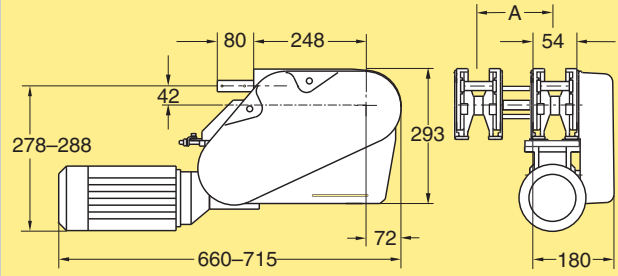
50 Hz: 5-10-15-20-25-30-40-50-60 m/min.

60 Hz: 6-10-12-16-19-21-25-27-33-38-46-55-59 m/min.

Maximum traction force: 500 N. See page 16.

Effective track length: 0,80 m

Double drive unit HRD/HRAD



Double drive unit

Suspended 3-phase motor

Transmission on right side

A = 55 mm

50 Hz 230/400 V

60 Hz 230/460 V

XSEB # HRD55
XSEB # HRAD55

A = 90–350 mm

50 Hz 230/400 V

60 Hz 230/460 V

XSEB # HRD-
XSEB # HRAD-

Insert desired speed instead of # in designation:

50 Hz: 5-10-15-20-25-30-40-50-60 m/min.

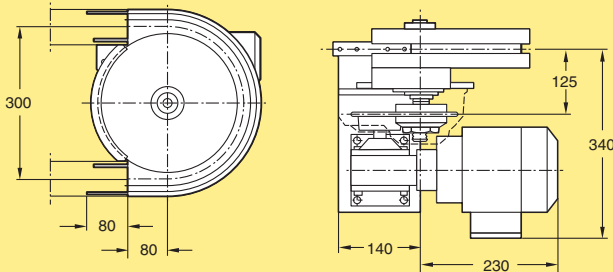
60 Hz: 6-10-12-16-19-21-25-27-33-38-46-55-59 m/min.

Maximum traction force: 500 N. See page 16.

Effective track length: 0,80 m

Horizontal bend drive unit XS

Horizontal bend drive unit, 180°



Horizontal bend drive unit, 180°

3-phase motor

50 Hz 230/400 V

60 Hz 230/460 V

XSEW 180/# H
XSEW 180/# HA

Insert desired speed instead of # in designation:

50 Hz: 5-10-15-20-25-30 m/min.

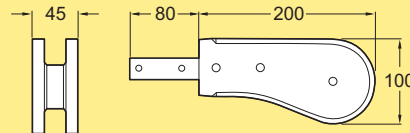
60 Hz: 6-11-14-16-19-22-25-30 m/min.

Maximum traction force: 200 N. See page 16.

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

Wheel bend, 90°

Wheel bend, 90° **XSBH 90R150**
 Effective track length: 0,40 m 1-way (0,80 m 2-way)

Wheel bend, 45°

Wheel bend, 45° **XSBH 45R150**
 Effective track length: 0,30 m 1-way (0,60 m 2-way)

Wheel bend, 180°

Wheel bend, 180° **XSBH 180R150**
 Effective track length: 0,65 m 1-way (1,30 m 2-way)

Horizontal plain bends XS

Horizontal plain bend, 30°

Horizontal 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)

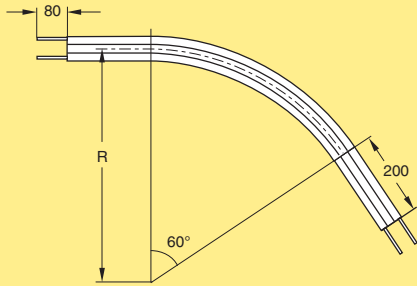
Horizontal plain bend, 45°

Horizontal 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)

Horizontal plain bends XS (continued)

Horizontal plain bend, 60°



Horizontal plain bend, 60°±1°

R=500±10 mm

R=700±10 mm

R=1000±10 mm

XSBP 60R500
XSBP 60R700
XSBP 60R1000

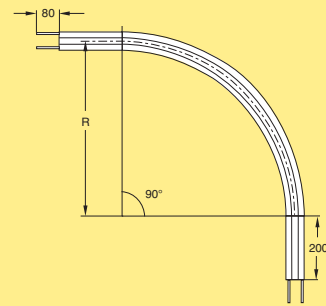
Effective track lengths:

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)

Horizontal plain bend, 90°



Horizontal 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:

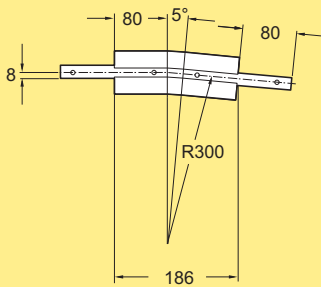
R500: 1,20 m 1-way (2,40 m 2-way)

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°

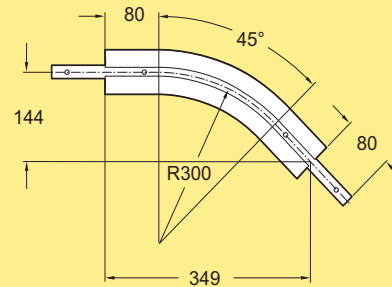


Vertical bend, 5°

XSBV 5R300

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

Vertical bend, 45°

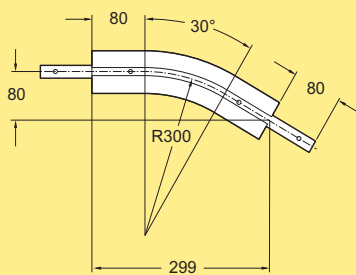


Vertical bend, 45°

XSBV 45R300

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

Vertical bend, 30°

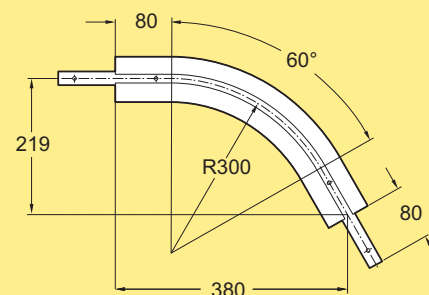


Vertical bend, 30°

XSBV 30R300

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

Vertical bend, 60°



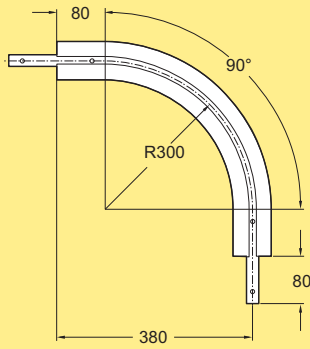
Vertical bend, 60°

XSBV 60R300

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

Vertical bends XS (continued)

Vertical bend 90°

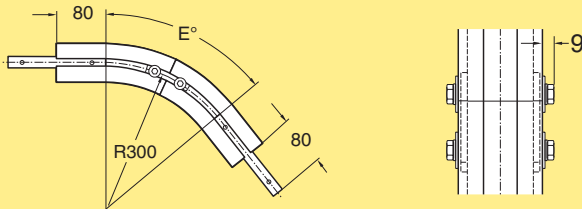


Vertical bend, 90°

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.

PO

XS

XL

XLP

X85

X85P

XH

XK

XKP

XB

GR

CS

XT

XC

XF

FST

XMY

XLX

XXM

GRX

CSX

ELV

CTL

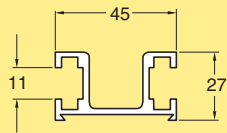
TR

APX

IDX

Front piece XS

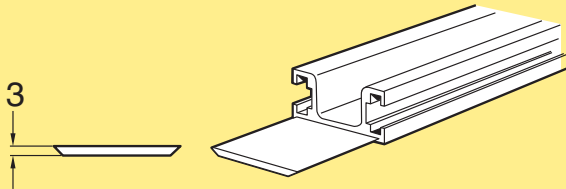
Front piece



Front piece
Length 3 m

XSVF 3

Sliding strip for front piece

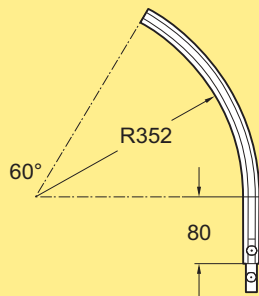


Sliding strip for front piece
Length 2 m

XSVG 2

*The sliding strip must be anchored to the front piece.
Rivets and tools for anchoring: see page 26.*

Front piece upper bend

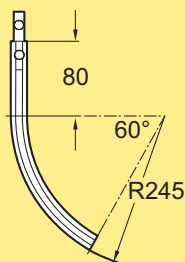


Upper bend, 60°

XSVA 60R352

Includes connecting strip with screws

Front piece lower bend

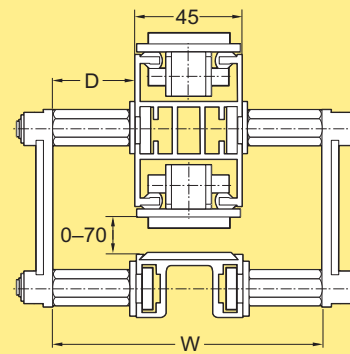


Lower bend, 60°

XSVB 60R245

Includes connecting strip with screws

Linkage kit for front piece



Linkage kit

W=110, D=33

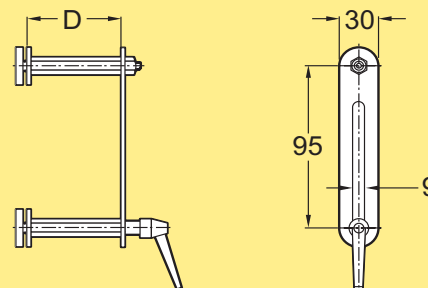
W=160, D=58

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