

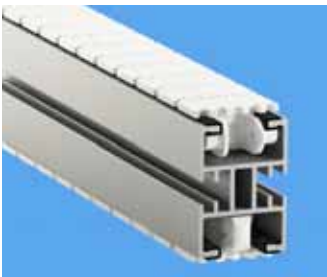
PO
 X45
XS
 XL
 XLP
 X85
 X85P
 XH
 XK
 XKP
 X180
 X300
 GR
 CS
 XT
 WL
 XC
 XF
 XD
 XLX
 X85X
 X180X
 X300X
 GRX
 CSX
 ELV
 CTL
 FST
 TR
 APX
 IDX

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.

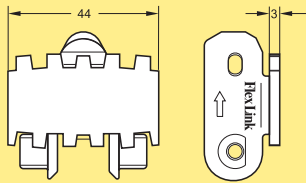
Examples of application areas

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
Maximum permitted load per link	0,5 kg

Plain chain



Plain chain
Length 5 m

XSTP 5

Plain link kit *

5056061

Plain chain (Ultra low wear)
Length 5 m

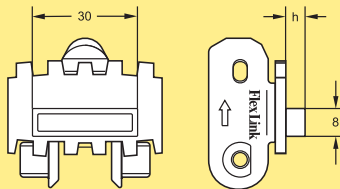
XSTP 5 C

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

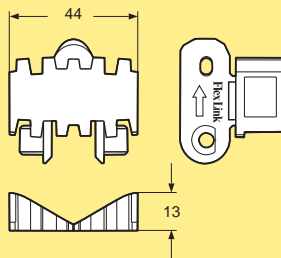
5056045

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.*

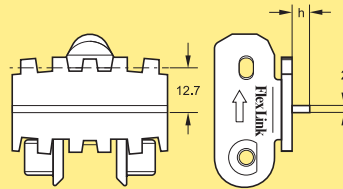
Other chains

See the Chain guide for selection of other chains.

Chain installation

See Appendix "D. Chain installation" on page 487,

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

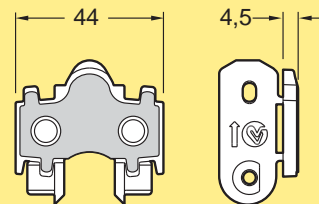
5056050

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.*

Plastic pivot for chain

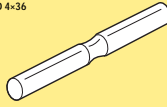


XLTT 9-16

Plastic pivot kit XS, XL
Plastic pivot kit, 25 pc

5111489

Steel pin

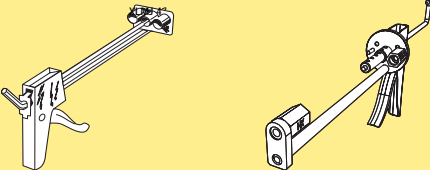


XLTD 4-36

Steel pin kit XS, XL
Steel pin kit, 25 pc

5111492

Pin insertion tool for chain



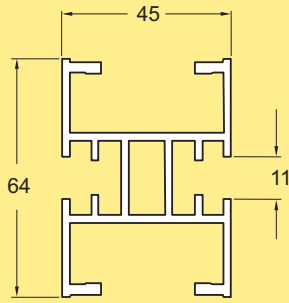
Pin insertion tool
XS-XL-XT
XS-XL-XT, PRO version*

XLMJ 4
XLMJ 4 P

**This product is recommended for frequent users.*

Beam XS

Conveyor beam



Beam

Length 3 m (3030 ±5 mm)

Length to order (30- 3000 mm)

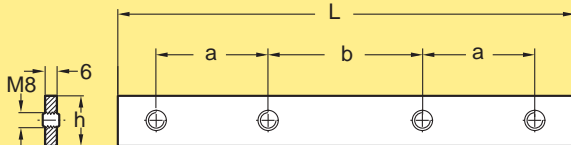
XSCB 3

XSCB L

Slide rail: see page 75

Beam accessories XS

Connecting strip with set screws



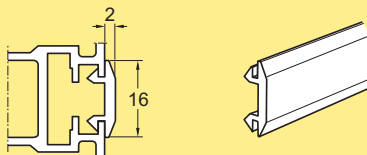
Connecting strip with set screws

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

XSCJ 6x130

Note. Must be ordered in multiples of 10

Cover strip for T-slot, PVC



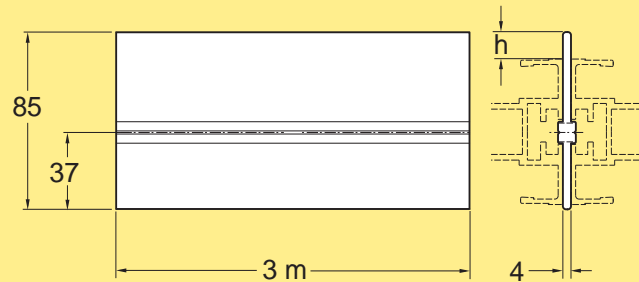
Cover strip for T-slot, PVC

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.

Plastic slide rails for XS beam

XSCR 25 0,95 XSCR 25 P 0,95 XSCR 25 U 0,95

Slide rail
 Length 25 m
 HDPE ($\mu=0,1-0,25$) (Black) **XSCR 25**
 PVDF ($\mu=0,15-0,35$) (Natural white) **XSCR 25 P**
 UHMW-PE ($\mu=0,1-0,25$) (White) **XSCR 25 U**
 PA-PE ($\mu=0,1-0,25$) (Grey) **XSCR 25 H**

Rivet crimping clamp

Rivet crimping clamp for XS
 For 3 mm rivets **3924770**

Mounting tool for slide rail

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

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.

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.

Drill fixture for slide rail

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

Rivet crimping pliers

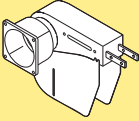
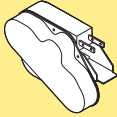
Rivet crimping pliers for XS
 For 3 mm rivets **3924776**

Drive unit types

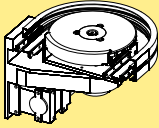
The XS system includes several configurations are available, including direct driven units with suspended motor and transmission chain as well as drive units.

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

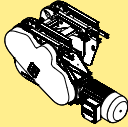
End drive units

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 or 330/575 V, 60 Hz. All motors except those for Compact drive units can be connected for delta or star configuration by means of jumpers.

Variable speed motors are SEW Movimot, 380–500 V. Note that variable speed motors include a control box that adds 93 mm to the width of the motor.

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 drawings in catalogue

Note that dimensions relating to drive unit motors depend on the motor specified during the configuration. In most cases, the motors shown in the catalogue drawings represent the largest size. If variable speed motors are used, some dimensions may increase, indicated by dimension values xxx (V: yyy). V represents the max dimension using variable speed motor.

Drive units – configuration strings

Below, two examples of text strings obtained from the configurator with explanations are presented.

Drive unit with fixed speed motor

Item no	A	B	D	E	G	H	I
XSEB	H	- L	- V4	- SA37	- 50/230	- 0,18kW	- TF

Drive unit with variable speed motor

Item no	A	B	D	E	F	G	J	K
XSEB	HPV	- L	- V6-15	- WA20	- MM03	- 50/380-500	- C	- P

Item no - Drive type

XSEB: End drive

XSEW: Horizontal bend drive

XSEB DD: Double drive

H – Motor power

... kW: Motor power, kW

(position is omitted for variable speed motors see position F)

A – 0-Unit

HP: Heavy, direct drive, slip clutch

H: Heavy, suspended motor, slip clutch

...V: Variable speed

I – Thermal protection

No: No thermal protection

TF: Thermal protection type TF

TH: Thermal protection type TH

(position is omitted for variable speed motors)

B – Motor position

L: Left

R: Right

J – Hybrid cable

No: No hybrid cable

C: Hybrid cable included in SEW Movimot (position is omitted for fixed speed motors)

D – Speed

V...: Fixed speed... m/min

V... -...: Variable speed range...-... m/min

K – Fieldbus

No: No fieldbus

P: Profibus fieldbus, maintenance switch

D: DeviceNet fieldbus, maintenance switch (position is omitted for fixed speed motors)

E – Gearbox

S37: SEW motor type S37

SA37: SEW motor type SA37

F – Movimot size

MM03: SEW Movimot type, 0,33 kW

MM05: SEW Movimot type, 0,55 kW

MM07: SEW Movimot type, 0,75 kW

MM11: SEW Movimot type, 1,1 kW

(position is omitted for fixed speed motors)

G – Electrical environment

50/230: 50 Hz, 230 V

50/400: 50 Hz, 400 V

60/230: 60 Hz, 230 V

60/460: 60 Hz, 460 V

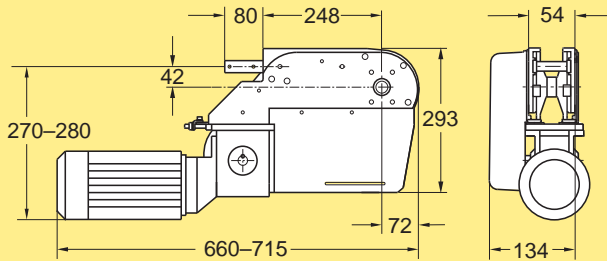
60/575: 60 Hz, 575 V

50/380-500: SEW Movimot variable speed motor

60/380-500: SEW Movimot variable speed motor

End drive units XS

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)

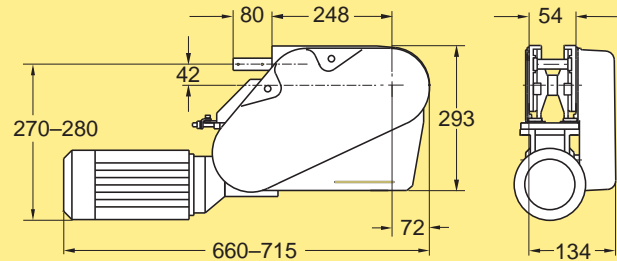
XSEB
XSEB 0 HL
XSEB 0 HLA

Maximum traction force: 500 N. See page 19.

* 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

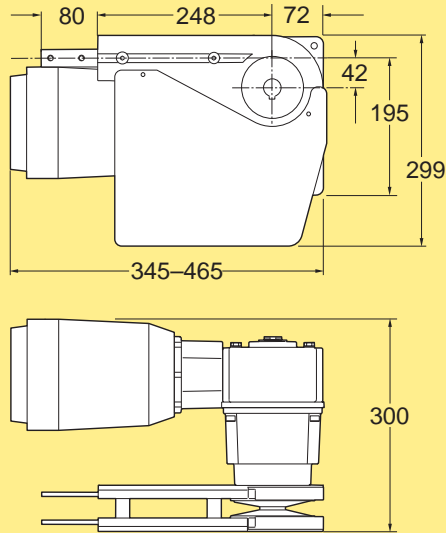
Maximum traction force: 500 N. See page 19.

* 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*
Transmission on left side
Fixed/variable speed *
Without motor

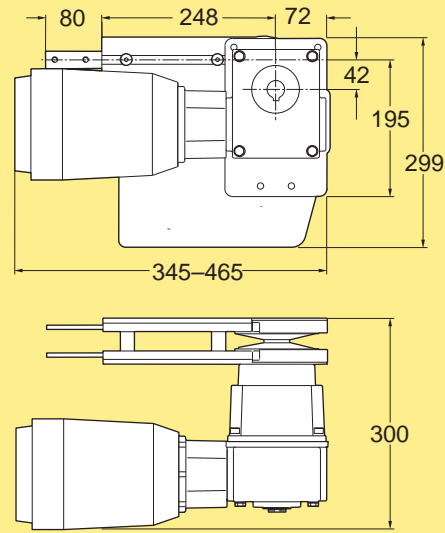
XSEB
XSEB 0 HLP

Maximum traction force: 500 N. See page 19.

* Use online configurator when ordering.

Effective track length: 0,80 m

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*
Transmission on right side
Fixed/variable speed *
Without motor

XSEB
XSEB 0 HRP

Maximum traction force: 500 N. See page 19.

* Use online configurator when ordering.

Effective track length: 0,80 m

Double drive unit, suspended

Double drive unit
 Fixed speed up to 60 m/min
 Transmission on left side
 A = 55 mm
 Fixed speed *
 Without motor (ISO) **XSEB DD**
 Without motor (ANSI) **XSEB 0 HLD55**
XSEB 0 HLAD55

A = 90–350 mm
 Without motor (ISO) **XSEB 0 HLD-**
 Without motor (ANSI) **XSEB 0 HLAD-**

Maximum traction force: 500 N. See page 19.
 * Use online configurator when ordering.
 Effective track length: 0,80 m

Double drive unit, suspended

Double drive unit
 Fixed speed up to 60 m/min
 Transmission on right side
 A = 55 mm
 Fixed speed *
 Without motor (ISO) **XSEB DD**
 Without motor (ANSI) **XSEB 0 HRD55**
XSEB 0 HRAD55

A = 90–350 mm
 Without motor (ISO) **XSEB 0 HRD-**
 Without motor (ANSI) **XSEB 0 HRAD-**

Maximum traction force: 500 N. See page 19.
 * Use online configurator when ordering.
 Effective track length: 0,80 m

X45
XS
 XL
 XLP
 X85
 X85P
 XH
 XK
 XKP
 X180
 X300
 GR
 CS

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) **XSEW**
 Without motor (ANSI) **XSEW 180/0 H**
XSEW 180/0 HA

Maximum traction force: 200 N. See page 19.
 * 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

XT
 WL
 XC
 XF
 XD
 XLX
 X85X
 X180X
 X300X
 GRX
 CSX
 ELV
 CTL
 FST
 TR
 APX
 IDX

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)

Plain bends XS

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
 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)

X45

XS

XL

XLP

X85

X85P

XH

XK

XKP

X180

X300

Vertical bends XS

GR

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)

CS

XT

WL

XC

XF

XD

XLX

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)

X85X

X180X

X300X

GRX

CSX

ELV

CTL

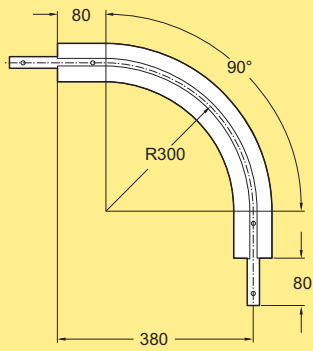
FST

TR

APX

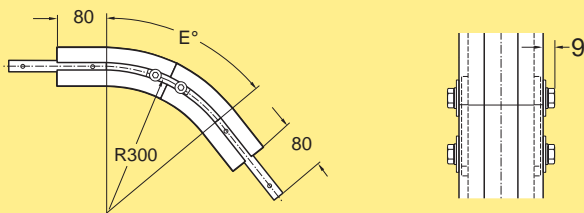
IDX

Vertical bend 90°



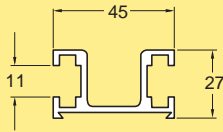
Vertical bend, 90° **XSBV 90R300**
Effective track length: 0,70 m 1-way (1,30 m 2-way)

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.

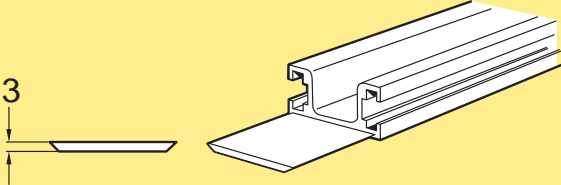
Front piece



Front piece
Length 3 m

XSVF 3

Sliding strip for front piece

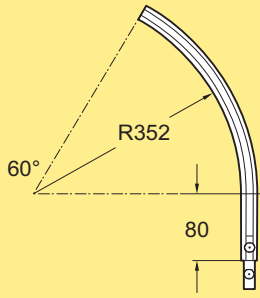


Sliding strip for front piece
Length 2 m

XSVG 2

*The sliding strip must be anchored to the front piece.
Rivets and tools for anchoring: see page 75.*

Front piece upper bend

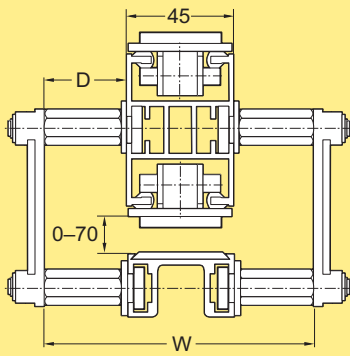


Upper bend, 60°

XSVA 60R352

Includes connecting strip with screws

Linkage kit for front piece

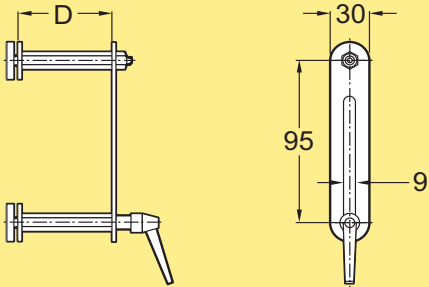


Linkage kit
W=110, D=33
W=160, D=58

**XLVK 33
XLVK 58**

Kit includes two support pairs and one locking device.

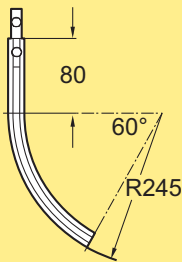
Bend support for front piece



Bend support
D=33
D=58

**XLVS 33
XLVS 58**

Front piece lower bend



Lower bend, 60°

XSVB 60R245

Includes connecting strip with screws

- X45
- XS**
- XL
- XLP
- X85
- X85P
- XH
- XK
- XKP
- X180
- X300
- GR
- CS
- XT
- WL
- XC
- XF
- XD
- XLX
- X85X
- X180X
- X300X
- GRX
- CSX
- ELV
- CTL
- FST
- TR
- APX
- IDX

