

Conveyor system X180

Contents

System information	269	End drive units X180, direct drive, no slip clutch	275	CC
Chains X180	270	End drive units X180, direct drive, slip clutch	275	X45
Chain accessories X180	271	End drive units X180, direct drive, slip clutch, guided	276	XS
Beam components X180	271	End drive units X180, direct drive, no slip clutch, guided	276	X65
Beam accessories X180	272	Idlers X180	277	
Slide rails X180	273	Plain bends X180	277	
Drive and idler units – introduction	274	Vertical bends X180	278	

System information



Chain X180



Features

Chain travels on four slide rails. Wide track sideflexing safety chain. Compact horizontal and vertical bends. Suitable for soft packages.

Examples of application areas

Large cardboard boxes, products in soft plastic bags. Examples: detergent powder, wrapped tissue paper rolls, food products, personal care products.

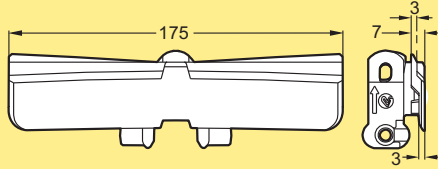
Technical characteristics

Drive unit capacity	1250 N
Chain tension limit	1250 N
Beam width	182 mm
Chain width	175 mm
Chain pitch	33,5 mm
Recommended item width	70–400 mm
Maximum item weight	15 kg
Maximum weight on conveyor	200 kg
Maximum conveyor length	30 m
Maximum permitted load per link	2,5 kg

PO
CC
X45
XS
X65
X65P
X85
X85P
XH
XK
XKP
X180
X300
GR
CS
XT
WL
WK
XC
XF
XD
ELV
CTL
FST
TR
APX
IDX

Chains X180

Plain chain

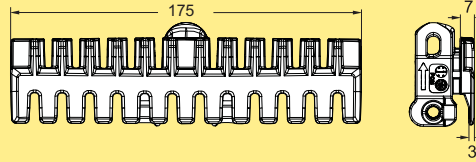


Plain chain
Length 3 m **XBTP 3A175**
Food & Wet applications **XBTPX 3A175**

Plain link kit * **5056651**
Food & Wet applications **5122929**

*Link kit contains 10 links, 10 pivots, 10 steel pins

Plain chain

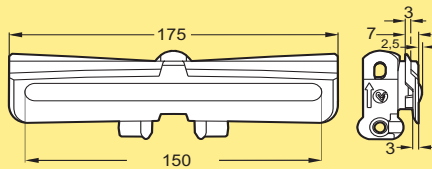


Plain chain
Length 3 m
Food & Wet applications **XBTPX 3A180**

Plain link kit *
Food & Wet applications **5129849**

*Link kit contains 10 links, 10 pivots, 10 steel pins

Friction top chain



Friction top chain
Length 3 m PAR 1 **XBTP 3A175 F**

Friction top chain
Length 3 m PAR 2-20 **XBTP 3A175 FP**

Use the online configurator to specify and order.

Friction top link kit * **5056653**

*Link kit contains 10 links, 10 pivots, 10 steel pins

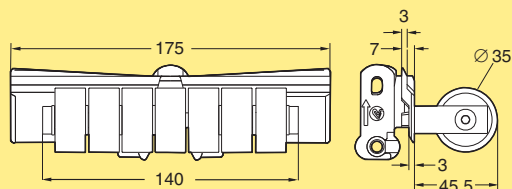
Other chains

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

Chain installation

See Appendix C, page 473, for installation instructions.

Roller cleat link




Roller cleat link **XBTL 175x46 R**

Roller cleat chain must be ordered as plain chain plus desired number of roller cleat links. Cannot be ordered as chain.

Chain accessories X180

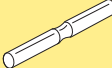
Plastic pivot



Plastic pivot X180-X300 kit
Each kit contains 25 items.

5111169

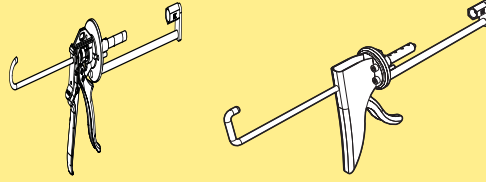
Steel pin



Steel pin -X180-X300 kit
Each kit contains 25 items.

5111172

Pin insertion tool for chain



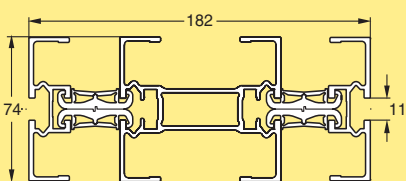
Pin insertion tool
X85-X180-X300
X85-X180-X300-XH, PRO version*

XMMJ 6
XBMJ 6 P

*This tool is recommended for frequent users

Beam components X180

Beam section

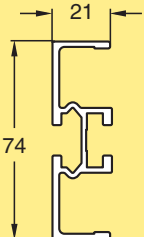


Beam section (assembled)
Length 3000 mm
Length to order (500- 3000 mm)

XBCB 3A180
XBCB LA180

Slide rail: see page 273

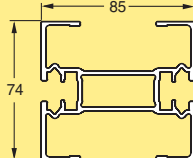
Beam (outer section)



Beam (outer section)
Length 3000 +10/-0 mm
Length to order (500- 3000 mm)

XBCB 3A H
XBCB LA H

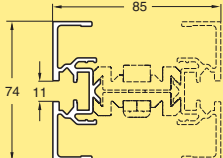
Beam (mid-section)



Beam (mid-section)
Length 3000 +10/-0 mm
Length to order (500- 3000 mm)

XBCB 3A85
XBCB LA85

Profile for split conveyor beam (inner section)



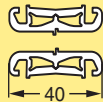
Profile for split conveyor beam
Length 3000 +10/-0 mm
Length to order (500- 3000 mm)

XBCB 3A85 H
XBCB LA85 H

PO
CC
X45
XS
X65
X65P
X85
X85P
XH
XK
XKP
X180
X300
GR
CS
XT
WL
WK
XC
XF
XD
ELV
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FST
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APX
IDX

Beam components X180 (continued)

Clip kit for outer beam sections

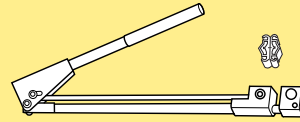


Snap-fit clip kit for outer beam sections

XBCE 40

Each kit contains two clips. For construction of 182 mm wide beam sections. Mounting tool: see below. Maximum distance between clips is 0,5 m.

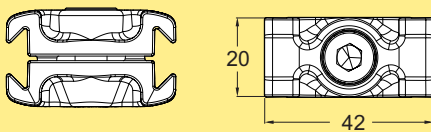
Mounting tool for clip kit



Mounting tool for aluminium clip kit XBCE 40

3923518

Beam clip assembly

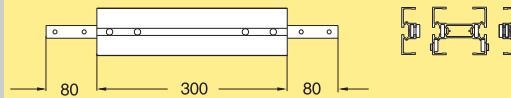


Beam clip assembly

XBCE 42x20 A

Including M8 screw and locking nut. Use minimum 5 clips per meter. Place clips 100 mm from each end. Note. Must be ordered in multiples of 10.

Beam section for chain installation

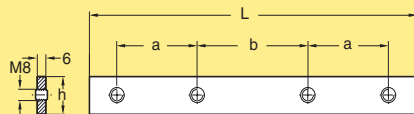


Beam section for chain installation Including connecting strips and screws

XBCC 300A

Beam accessories X180

Connecting strip with set screws

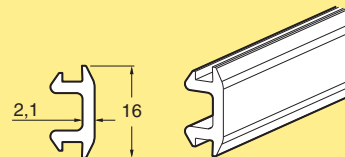


Connecting strip with set screws
h=20, a=44, b=44, L=160

XSCJ 6x160

Note. Must be ordered in multiples of 10

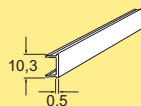
Cover strip for T-slot, PVC



Cover strip for T-slot
Length 25 m
Grey PVC

XCAC 25 P

Cover strip for T-slot, PVC

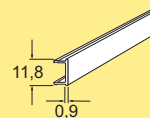


Cover strip for T-slot, grey PVC
Length 3 m

XCAC 3 P

Note! Can't be used with bends

Cover strip for T-slot, aluminium



Cover strip for T-slot
Aluminium, anodized
Length 2 m


XCAC 2

Note! Can't be used with bends

Slide rails X180

PO

Plastic slide rail for X180/X300 beam

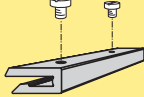


Slide rail
 Length 25 m
 HDPE (Black)
 PA-PE (Grey)
 PVDF (Natural white)

XBCR 25
XBCR 25 H
XBCR 25 P

See Appendix A, page 463 for selection guidelines and assembly instructions.

Plastic screws for slide rail



Plastic screws 5 mm for XS-X65-X85-XH-X180-X300 beams

XLAG 5

See mounting instruction "Anchoring slide rail using plastic screws" on page 468

Note. Must be ordered in multiples of 50

CC

X45

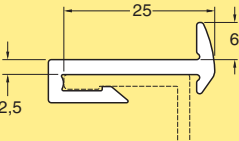
XS

X65

X65P

X85

Plastic slide rail for X180/X300 beam, outer

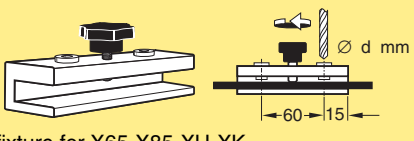


Slide rail, outer
 UHMW-PE ($\mu=0,1-0,25$) (White)
 Length 3 m

XBCR 3 UA

See Appendix A, page 463 for selection guidelines and assembly instructions.

Drill fixture for slide rail



Drill fixture for X65-X85-XH-XK-X180-X300 slide rail
 d=4,2 mm

3920500

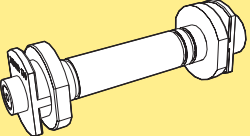
X85P

XH

XK

XKP

Mounting tool for slide rail, X180/X300



Mounting tool for slide rail

XBMR 170

Rivet crimping pliers



Rivet crimping pliers for X65-X85-XH-XK-X180-X300
 For 4 mm rivets

5051395

X180

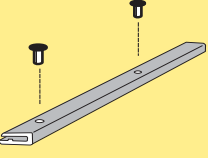
X300

GR

CS

XT

Aluminium rivets

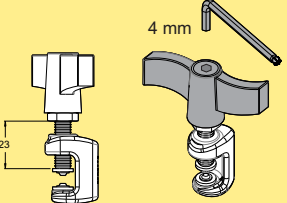


Aluminium rivets 4 mm for XK-X180-X300 conveyors, brown

XLAH 4x7

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.

Rivet crimping clamp



Rivet crimping clamp for X65-X85-XH-XK-X180-X300
 For 4 mm rivets
 (Allen key not included)

3923005

WL

WK

XC

XF

XD

ELV

CTL

FST

TR

APX

IDX

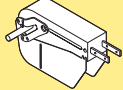
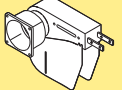
Drive and idler units – introduction

Drive unit types

The X180 system includes direct driven units with or without slip clutch.

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

End drive units

Size	Direct drive, no slip clutch	Direct drive, slip clutch
		
Heavy	F, V	F, V
Heavy, guided	F, V	F, V

Motor specifications

Motors are available for 230/400 V, 50 Hz and 230/460 V or 330/575 V, 60 Hz. All motors 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.

End drive units X180, direct drive, no slip clutch

End drive units X180, direct drive, slip clutch

End drive unit, direct drive

End drive unit, direct drive
 Fixed speed up to 60 m/min
 Variable speed up to 80 m/min
 Motor on left side
 Fixed/variable speed * **XBEB A180**
 Without motor **XBEB 0A180HNLP**

Motor on right side
 Fixed/variable speed * **XBEB A180**
 Without motor **XBEB 0A180HNRP**

Maximum traction force: 1250 N. See page 22.
 Effective track length: 0,80 m
 *Use online configurator when ordering.

End drive unit, direct drive, slip clutch

End drive unit, direct drive
 Fixed speed up to 60 m/min
 Variable speed up to 80 m/min
 Motor on left side
 Fixed/variable speed * **XBEB A180**
 Without motor **XBEB 0A180HLP**

Motor on right side
 Fixed/variable speed * **XBEB A180**
 Without motor **XBEB 0A180HRP**

Maximum traction force: 1250 N. See page 22.
 Effective track length: 0,80 m
 *Use online configurator when ordering.

- PO
- CC
- X45
- XS
- X65
- X65P
- X85
- X85P
- XH
- XK
- XKP
- X180**
- X300
- GR
- CS
- XT
- WL
- WK
- XC
- XF
- XD
- ELV
- CTL
- FST
- TR
- APX
- IDX

End drive units X180, direct drive, slip clutch, guided

End drive unit H, guided chain, slip clutch

End drive unit
Direct drive with guided chain. Adjustable slip clutch.
Maximum traction force: up to 1250 N.
Fixed speeds up to 60 m/min.
Variable speed up to 80 m/min.

Motor on left side:

Fixed/variable speed *	XBEB A180
Without motor	XBEB 0A180HLGP

Motor on right side:

Fixed/variable speed *	XBEB A180
Without motor	XBEB 0A180HRGP

**Use online configurator when ordering.*
Effective track length: 0,80 m

End drive units X180, direct drive, no slip clutch, guided

End drive unit H, guided chain, no slip clutch

End drive unit
Direct drive with guided chain. No slip clutch.
Maximum traction force: up to 1250 N.
Fixed speeds up to 60 m/min.
Variable speed up to 80 m/min.

Motor on left side:

Fixed/variable speed *	XBEB A180
Without motor	XBEB 0A180HNLGP

Motor on right side:

Fixed/variable speed *	XBEB A180
Without motor	XBEB 0A180HNRGP

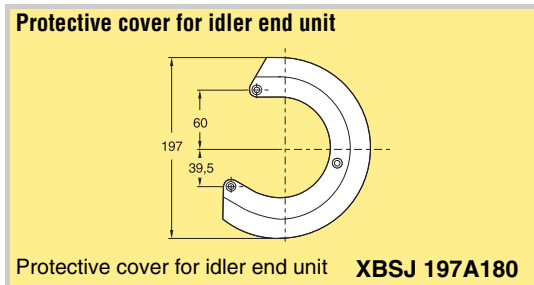
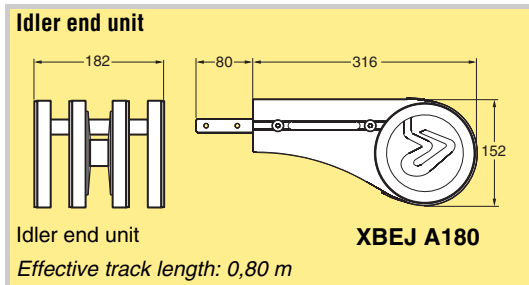
**Use online configurator when ordering.*
Effective track length: 0,80 m

Guide wheel kit 180

Guide wheel for drive units **5114932**
Including wheel, shaft and mounting hardware.
Note. Can only be used with plain chain. For use in high speed operation (60 m/min and above).

Idlers X180

PO



CC

X45

XS

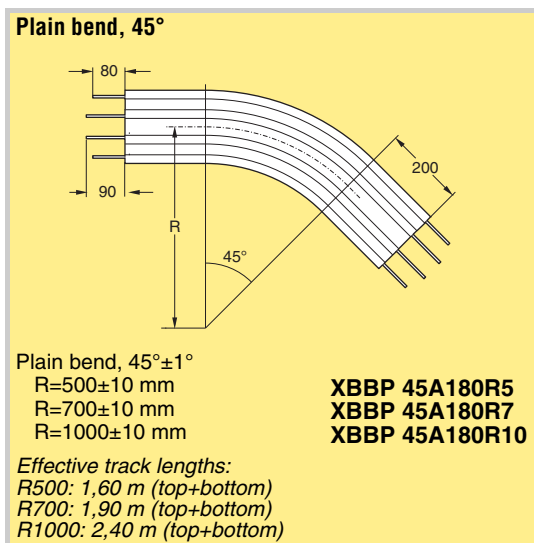
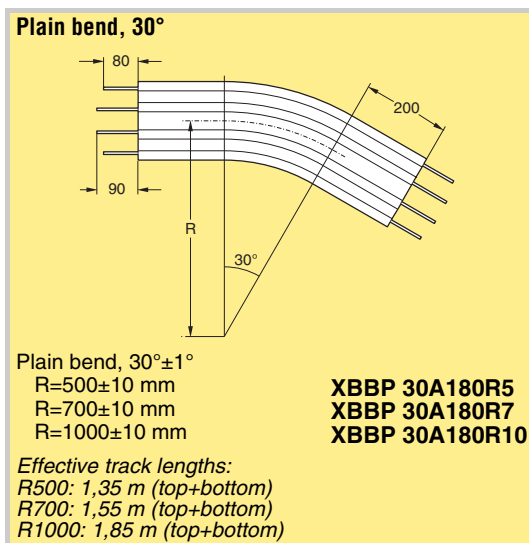
X65

X65P

X85

Plain bends X180

X85P



XH

XK

XKP

X180

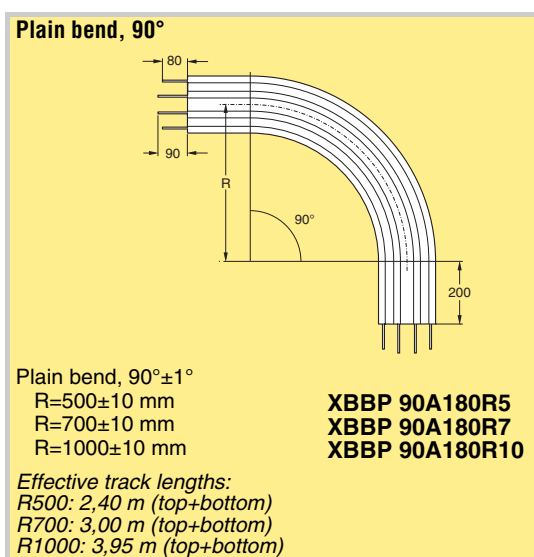
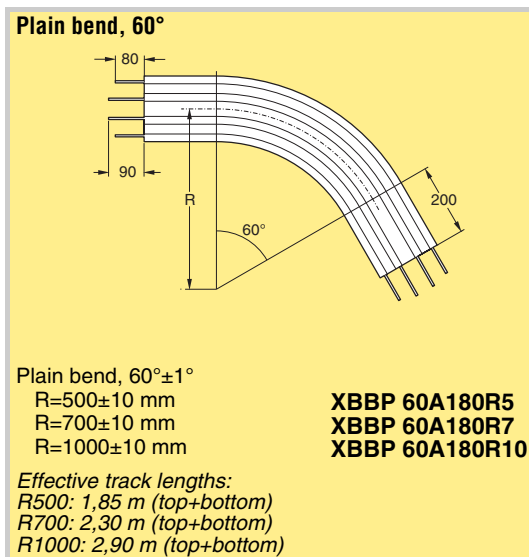
X300

GR

CS

XT

WL



WK

XC

XF

XD

ELV

CTL

FST

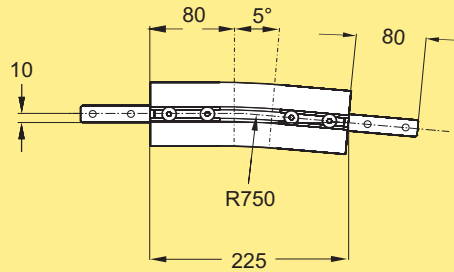
TR

APX

IDX

Vertical bends X180

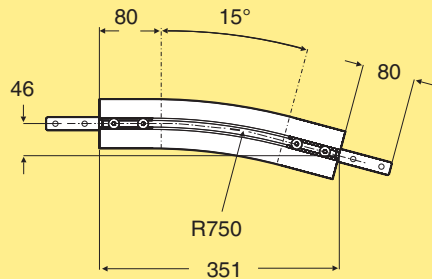
Vertical bend, 5°



Vertical bend, 5° **XBBV 5A180R750**

Four outer section beam pieces, unassembled.
Effective track length: 0,50 m (top+bottom)

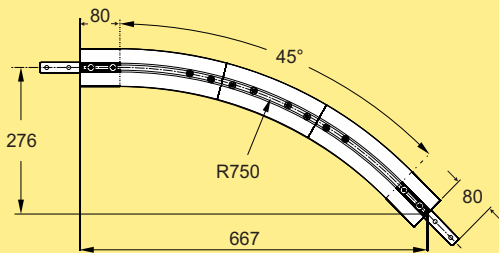
Vertical bend, 15°



Vertical bend, 15° **XBBV 15A180R750**

Four outer section beam pieces, unassembled.
Effective track length: 0,75 m (top+bottom)

Vertical bend, 45°



Vertical bend, 45° **XBBV 45A180R750**

Four outer section beam pieces, unassembled.
Effective track length: 1,5 m (top+bottom)