

Conveyor system X300

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System information



Chain X300



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.

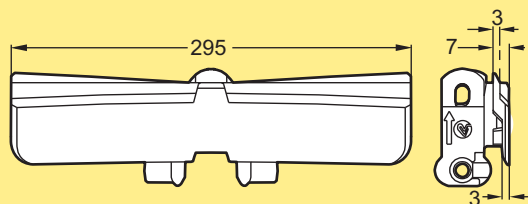
Technical characteristics

Drive unit capacity	1250 N
Chain tension limit	1250 N
Beam width	300 mm
Chain width	295 mm
Chain pitch	33,5 mm
Recommended item width	70–500 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

Chains X300

Chain accessories X300

Plain chain



Plain chain

Length 3 m

XBTP 3A295

Food & Wet applications

XBTPX 3A295

Plain link kit *

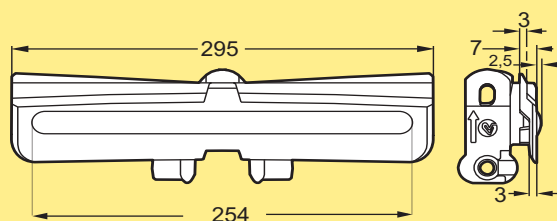
5056652

Food & Wet applications

5122928

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

Friction top chain



Friction top chain

Length 3 m

XBTP 3A295 F

Friction top chain

Length 3 m

XBTP 3A295 FP

Use the online configurator to specify and order.

Friction top link kit*

Kit with 10 links

5054874

*Note. Links are delivered as a kit containing 10 links and the necessary steel pins and plastic pivots.

Plastic pivot

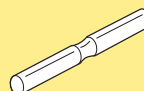


Plastic pivot -X180-X300 kit

5111169

Each kit contains 25 items.

Steel pin

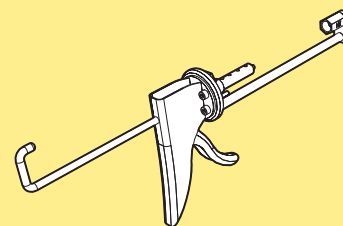
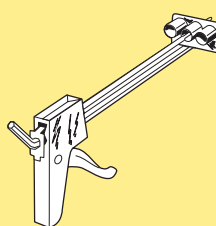


Steel pin X180-X300 kit

5111172

Each kit contains 25 items.

Pin insertion tool for chain



Pin insertion tool

X85--X180-X300

XMMJ 6

X85-X180-X300-XH, PRO version*

XBMJ 6 P

*This tool is recommended for frequent users

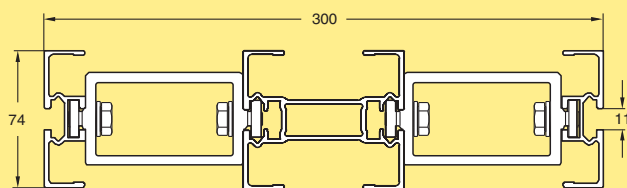
Other chains

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

Chain installation

See Appendix C, page 475, for installation instructions.

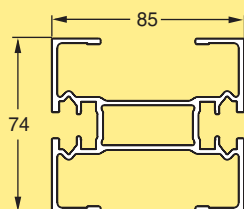
Beam section kit (300 mm version)



Beam section kit
Length 3000 mm **XBCB 3A300**
Length to order (500- 3000 mm) **XBCB LA300**

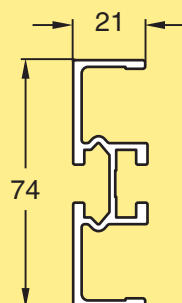
*The beam section is delivered unassembled.
Slide rail: see page 284*

Beam (mid-section)



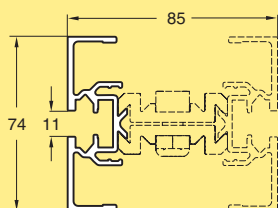
Beam (mid-section)
Length 3000 +10/-0 mm **XBCB 3A85**
Length to order (500- 3000 mm) **XBCB LA85**

Beam (outer section)



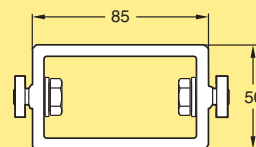
Beam (outer section)
Length 3000 +10/-0 mm **XBCB 3A H**
Length to order (500- 3000 mm) **XBCB LA H**

Profile for split conveyor beam (inner section)



Profile for split conveyor beam
Length 3000 +10/-0 mm **XBCB 3A85 H**
Length to order (500- 3000 mm) **XBCB LA85 H**

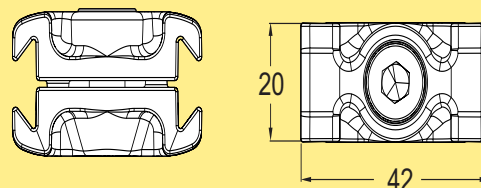
Spacer for outer beam sections



Spacer, aluminium, one pair **XBCE 85**

Including screws and nuts. For construction of 300 mm wide beam sections. Maximum distance between spacers is 0,5 m.

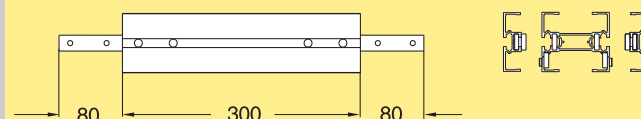
Beam clip assembly



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

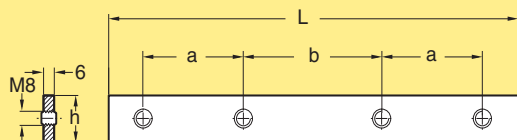


Beam section for chain installation
Including connecting strips and screws

XBCC 300A

Beam accessories X300

Connecting strip with set screws

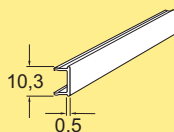


Connecting strip with set screws
h=20, a=44, b=44, L=160

XSCJ 6x160

Note. Must be ordered in multiples of 10

Cover strip for T-slot, PVC

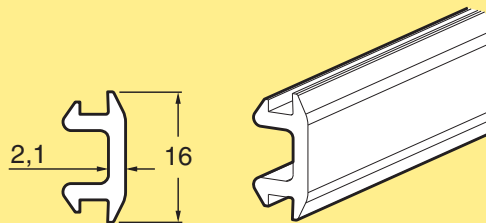


Cover strip for T-slot, grey PVC
Length 3 m

XCAC 3 P

Note! Can't be used with bends

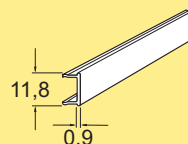
Cover strip for T-slot, PVC



Cover strip for T-slot
Length 25 m
Grey PVC

XCAC 25 P

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 X300

Plastic slide rail for X300 beam

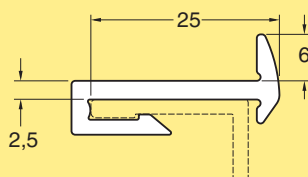


Slide rail
Length 25 m
HDPE (Black)
PA-PE (Grey)
PVDF (Natural white)

XBCR 25
XBCR 25 H
XBCR 25 P

See Appendix A, page 465 for selection guidelines and assembly instructions.

Plastic slide rail for X300 beam, outer

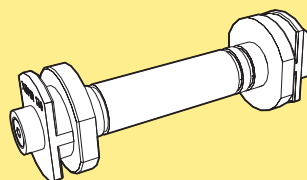


Slide rail, outer
UHMW-PE ($\mu=0,1-0,25$) (White)
Length 3 m

XBCR 3 UA

See Appendix A, page 465 for selection guidelines and assembly instructions.

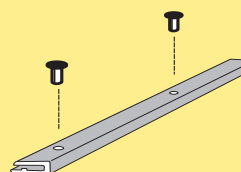
Mounting tool for slide rail, X300



Mounting tool for slide rail

XBMR 170

Aluminium rivets

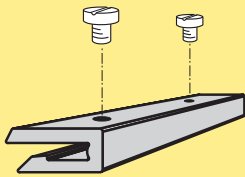


Aluminium rivets 4 mm for XK-
X180-X300 conveyors, brown

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.*

Plastic screws for slide rail



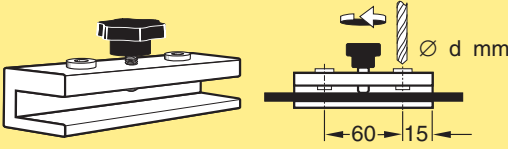
Plastic screws 5 mm for XS-X65-X85-XH-X180-X300 beams

XLAG 5

See mounting instruction "Anchoring slide rail using plastic screws" on page 470

Note. Must be ordered in multiples of 50

Drill fixture for slide rail



Drill fixture for X65-X85-XH-XK-X180-X300 slide rail

d=4,2 mm

3920500

Rivet crimping pliers

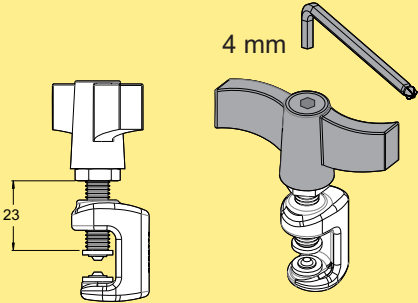


Rivet crimping pliers for X65-X85-XH-XK-X180-X300

For 4 mm rivets

5051395

Rivet crimping clamp



4 mm

23

Rivet crimping clamp for X65-X85-XH-XK-X180-X300

For 4 mm rivets

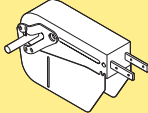
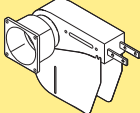
3923005

Drive unit types

The X300 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 X300, direct drive, no slip clutch

End drive units X300, direct drive, slip clutch

P0

CC

X45

XS

X65

X65P

X85

X85P

XH

XK

XKP

X180

X300

GR

CS

XT

WL

WK

XC

XF

XD

ELV

CTL

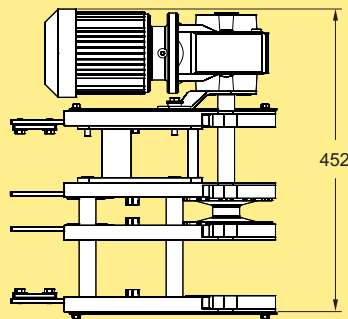
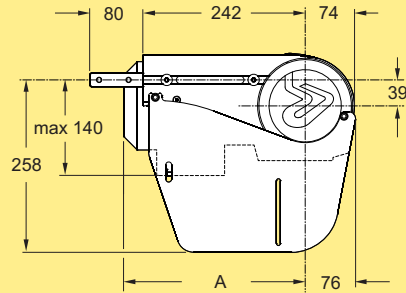
FST

TR

APX

IDX

End drive unit, direct drive, no 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 *
Without motor

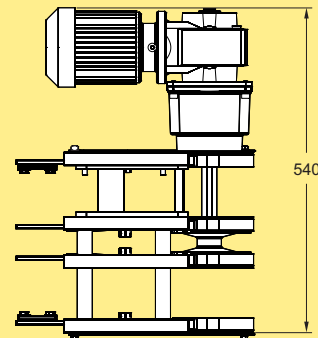
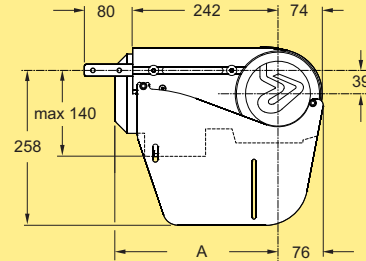
XBEB A300
XBEB 0A300HNLP

Motor on right side
Fixed/variable speed *
Without motor

XBEB A300
XBEB 0A300HNRP

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

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 *
Without motor

XBEB A300
XBEB 0A300HLP

Motor on right side
Fixed/variable speed *
Without motor

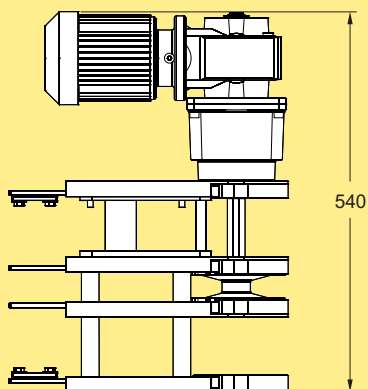
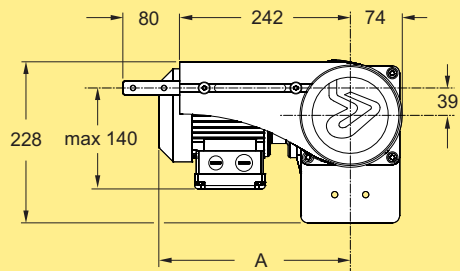
XBEB A300
XBEB 0A300HRP

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

End drive units X300, direct drive, slip clutch, guided

End drive units X300, direct drive, no 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 *
Without motor

XBEB A300
XBEB 0A300HLGP

Motor on right side:

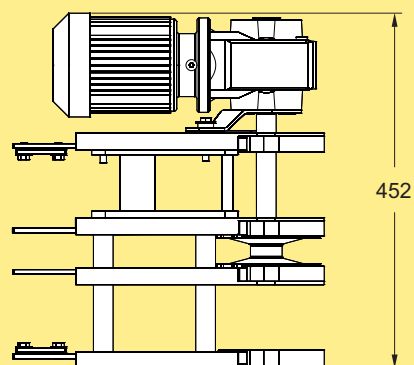
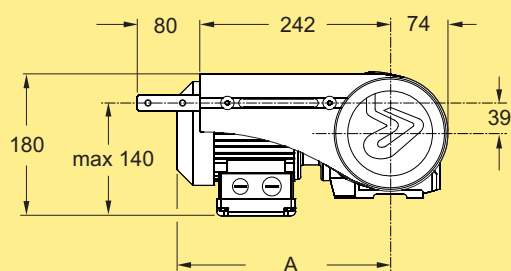
Fixed/variable speed *
Without motor

XBEB A180
XBEB 0A300HRGP

**Use online configurator when ordering.*

Effective track length: 0,80 m

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 *
Without motor

XBEB A300
XBEB 0A300HNLGP

Motor on right side:

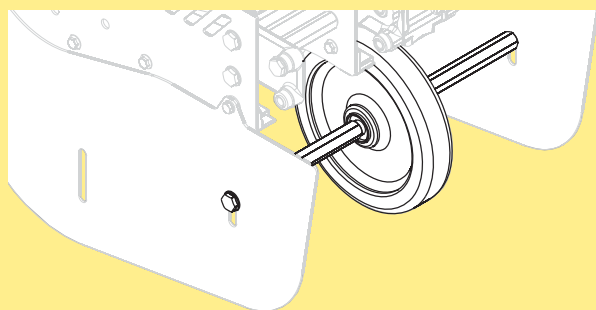
Fixed/variable speed *
Without motor

XBEB A300
XBEB 0A300HNRGP

**Use online configurator when ordering.*

Effective track length: 0,80 m

Guide wheel kit 300



Guide wheel for drive units

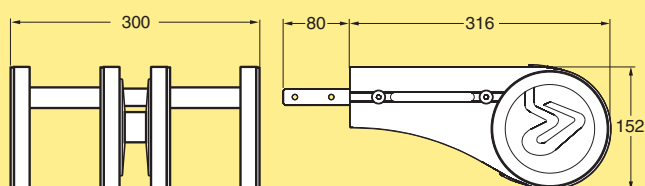
5114930

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 X300

Idler end unit

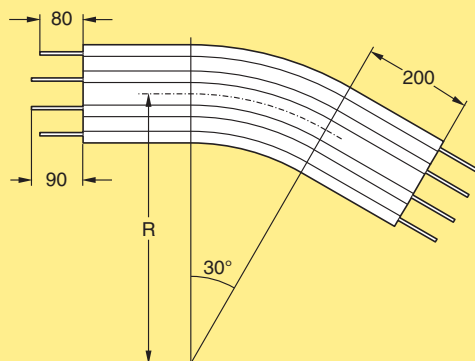


Idler end unit

XBEJ A300

Effective track length: 0,80 m

Plain bend, 30°



Plain bend, 30°±1°

R=700±10 mm

R=1000±10 mm

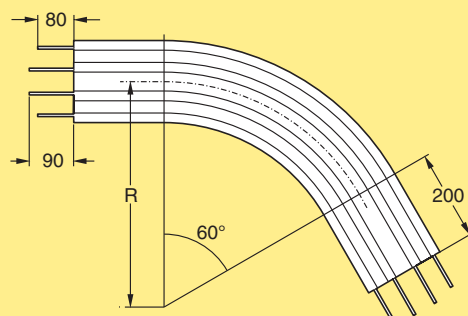
XBBP 30A300R7
XBBP 30A300R10

Effective track lengths:

R700: 1,55 m (top+bottom)

R1000: 1,85 m (top+bottom)

Plain bend, 60°



Plain bend, 60°±1°

R=700±10 mm

R=1000±10 mm

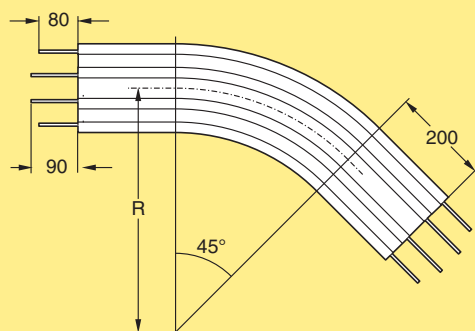
XBBP 60A300R7
XBBP 60A300R10

Effective track lengths:

R700: 2,30 m (top+bottom)

R1000: 2,90 m (top+bottom)

Plain bend, 45°



Plain bend, 45°±1°

R=700±10 mm

R=1000±10 mm

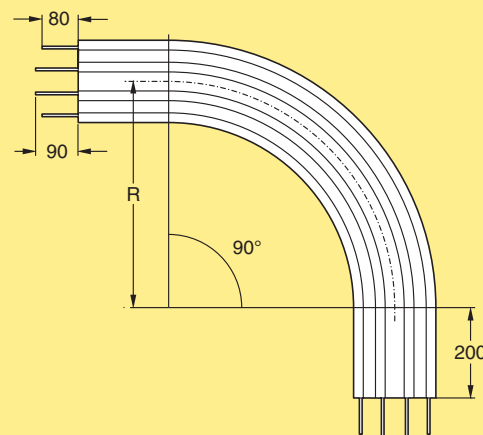
XBBP 45A300R7
XBBP 45A300R10

Effective track lengths:

R700: 1,90 m (top+bottom)

R1000: 2,40 m (top+bottom)

Plain bend, 90°



Plain bend, 90°±1°

R=700±10 mm

R=1000±10 mm

XBBP 90A300R7
XBBP 90A300R10

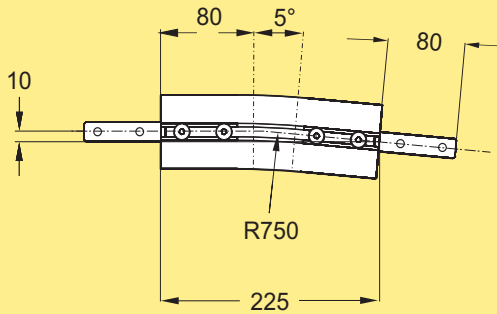
Effective track lengths:

R700: 3,00 m (top+bottom)

R1000: 3,95 m (top+bottom)

Vertical bends X300

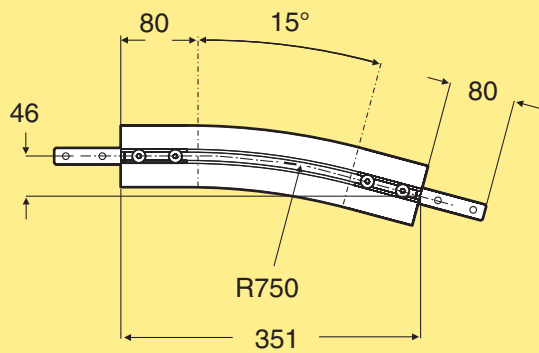
Vertical bend, 5°



Vertical bend, 5° **XBBV 5A300R750**

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

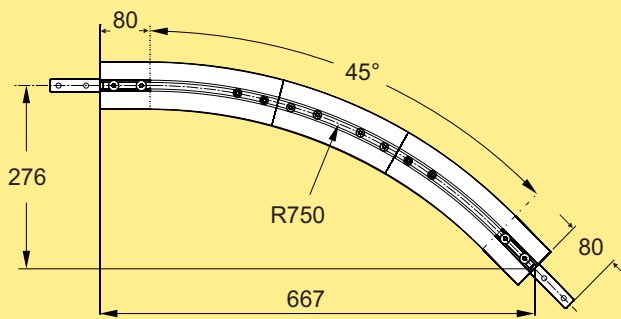
Vertical bend, 15°



Vertical bend, 15° **XBBV 15A300R750**

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

Vertical bend, 45°



Vertical bend, 45° **XBBV 45A300R750**

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