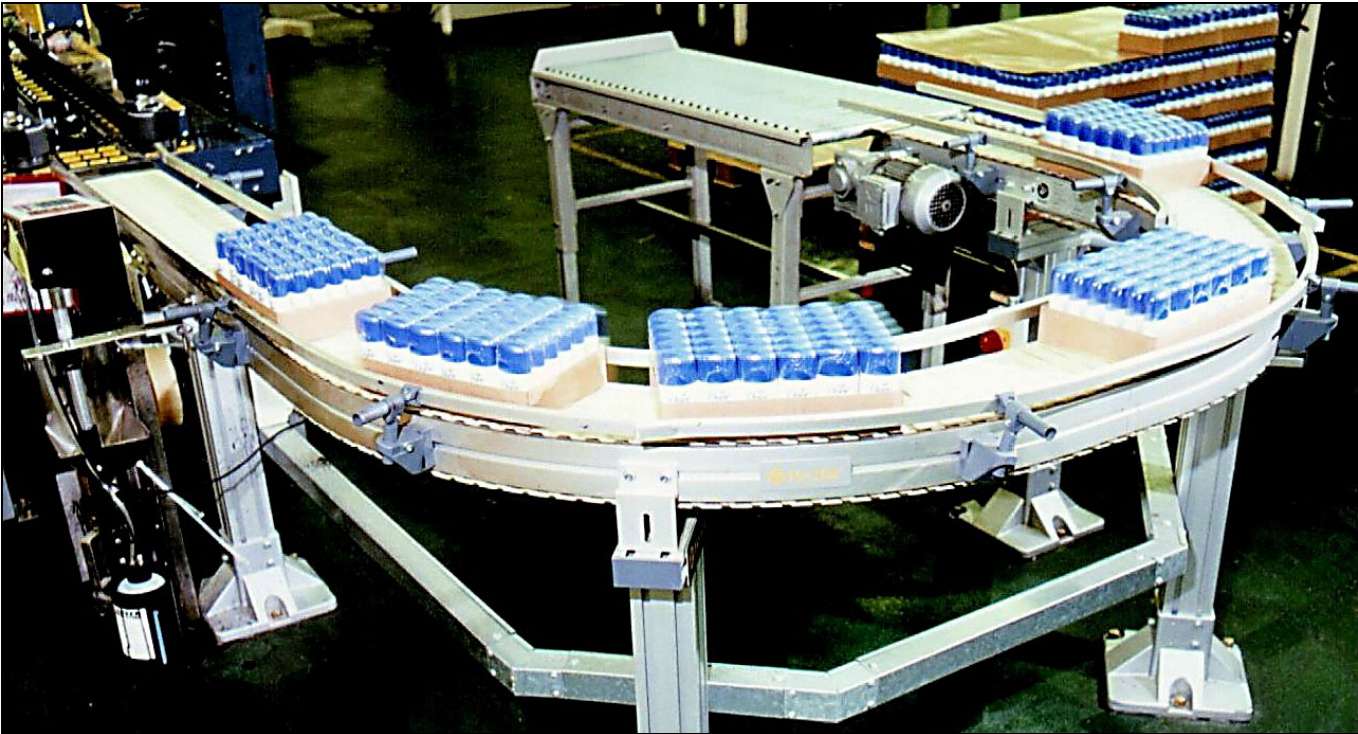


Conveyor system X300

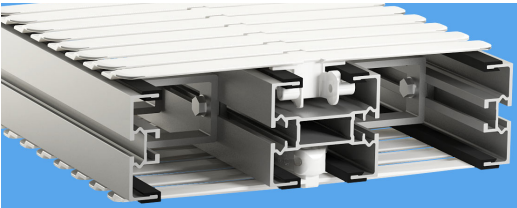
Contents

System information.....	291	End drive units X300, direct drive, no slip clutch	298
Conveyor modules	292	End drive units X300, direct drive, slip clutch	298
Chains X300	293	End drive units X300, direct drive, slip clutch, guided.....	299
Chain accessories X300	293	End drive units X300, direct drive, no slip clutch, guided..	299
Beam components X300	294	Idlers X300	299
Beam accessories X300	295	Bridges	300
Slide rails X300	295	Plain bends X300	301
Drive and idler units – introduction	297	Vertical bends X300	302

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

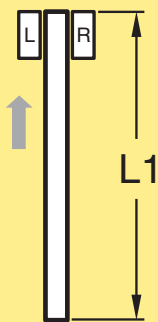
Large cardboard boxes, products in soft plastic bags. Examples: detergent powder, wrapped tissue paper rolls, food products, personal care products.

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

Conveyor modules

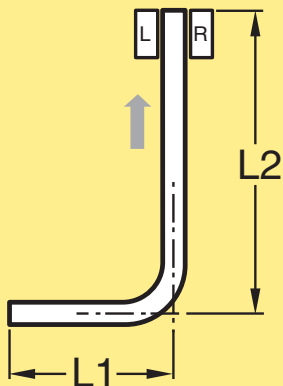
Straight conveyor



Conveyor module – straight * 5990226

**Use online configurator when ordering*

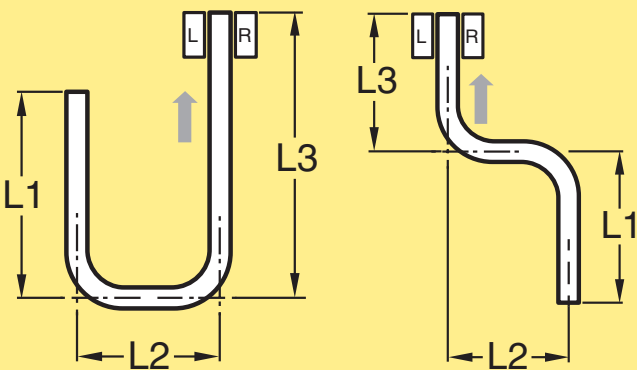
One bend conveyor



Conveyor module – one bend * 5990230

**Use online configurator when ordering*

Two bend conveyor



Conveyor module – two bends * 5990237

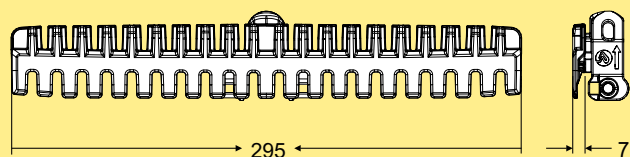
**Use online configurator when ordering*

Support modules – single and multi-lane

	5995392	Single XB
	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

Chains X300

Plain chain



Plain chain

Length 3 m

Food & Wet applications

XBTP 3A300 K

XBTPX 3A300 K

Plain link kit *

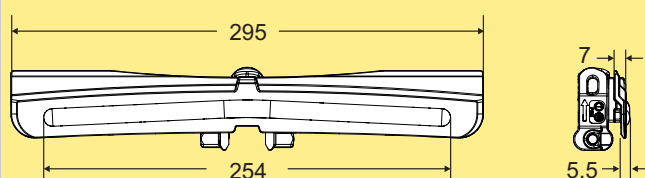
Food & Wet applications

FLX1003734

FLX1003735

* 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.

Other chains

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

Chain installation

See Appendix C, page 527, for installation instructions.

Chain accessories X300

Plastic pivot

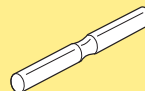


Plastic pivot -X180-X300 kit

5111169

Each kit contains 25 items.

Steel pin

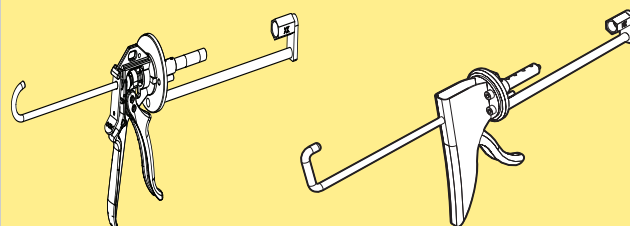


Steel pin X180-X300 kit

5111172

Each kit contains 25 items.

Pin insertion tool for chain



Pin insertion tool

X85--X180-X300

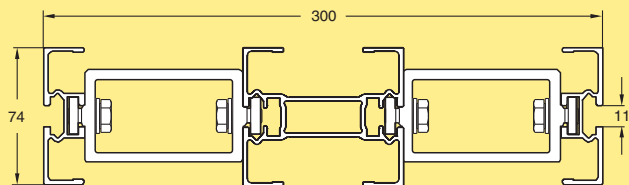
X85-X180-X300-XH, PRO version*

XMMJ 6

XBMJ 6 P

*This tool is recommended for frequent users

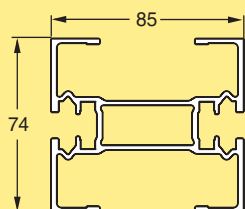
Beam section kit (300 mm version)



Beam section kit
Length 3000 ±5 mm **XBCB 3A300**
Length to order (500- 2995 mm) **XBCB LA300**

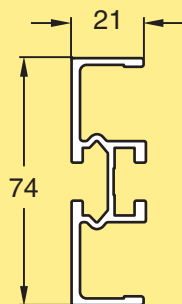
*The beam section is delivered unassembled.
Slide rail: see page 295*

Beam (mid-section)



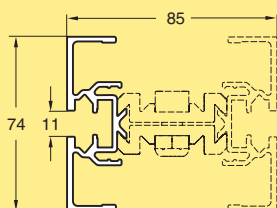
Beam (mid-section)
Length 3000 +10/-0 mm **XBCB 3A85**
Length to order (500- 3000 mm) **XBCB LA85**

Beam (outer section)



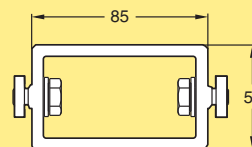
Beam (outer section)
Length 3000 +10/-0 mm **XBCB 3A H**
Length to order (500- 3000 mm) **XBCB LA H**

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**

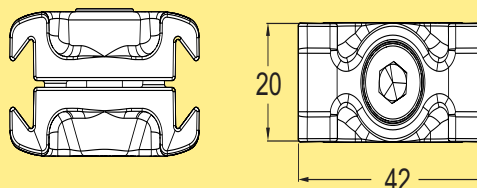
Spacer for outer beam sections



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. Contains 2 pcs.

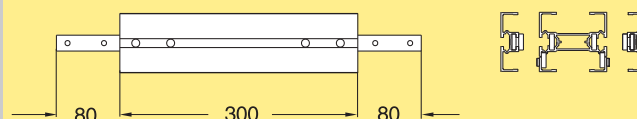
Beam clip assembly



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. Contains 10 pcs..

Beam section for chain installation

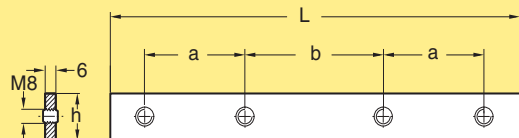


Beam section for chain installation
Including connecting strips and screws

XBCC 300A

Can only be mounted between two straight beam sections.

Connecting strip with set screws

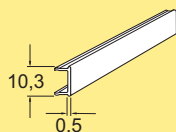


Connecting strip with set screws
h=20, a=44, b=44, L=160

XSCJ 6x160

Note. Contains 10 pcs.

Cover strip for T-slot, PVC

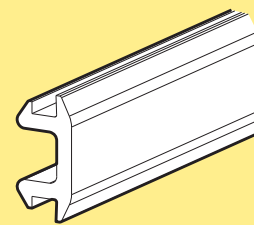
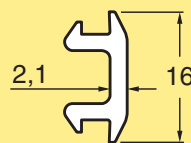


Cover strip for T-slot, grey PVC
Length 3 m

XCAC 3 P

Note! Can't be used with bends

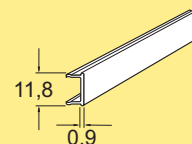
Cover strip for T-slot, PVC



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

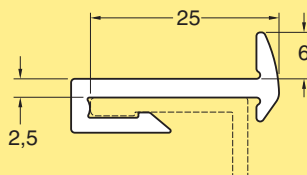


Slide rail
Length 25 m
HDPE (Black)
PA-PE (Grey)
PVDF (Natural white)

XBCR 25
XBCR 25 H
XBCR 25 P

See Appendix A, page 517 for selection guidelines and assembly instructions.

Plastic slide rail for X300 beam, outer

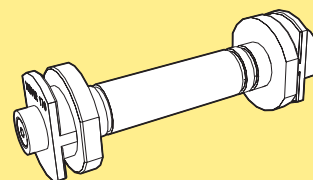


Slide rail, outer
UHMW-PE ($\mu=0,1-0,25$) (White)
Length 3 m

XBCR 3 UA

See Appendix A, page 517 for selection guidelines and assembly instructions.

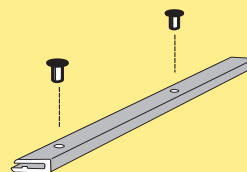
Mounting tool for slide rail, X300



Mounting tool for slide rail

XBMR 170

Aluminium rivets

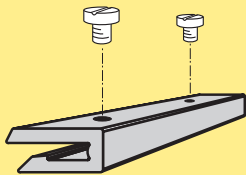


Aluminium rivets 4 mm for XK-
X180-X300 conveyors, brown

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. Contains 250 pcs..

Plastic screws for slide rail



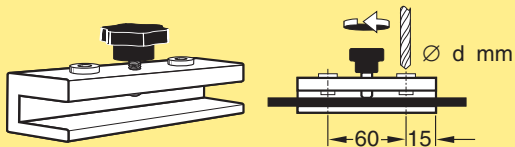
Plastic screws 5 mm for XS-X65-X85-XH-X180-X300 beams

XLAGE 5

See mounting instruction "Anchoring slide rail using plastic screws" on page 522

Note. Contains 50 pcs.

Drill fixture for slide rail



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

3920500

Rivet crimping pliers

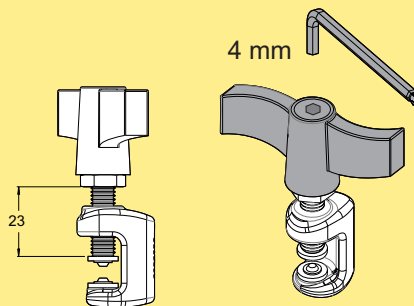


Rivet crimping pliers for X65-X85-XH-XK-X180-X300

For 4 mm rivets

5051395

Rivet crimping clamp



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

For 4 mm rivets

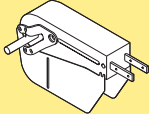
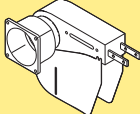
3923005

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, 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.

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

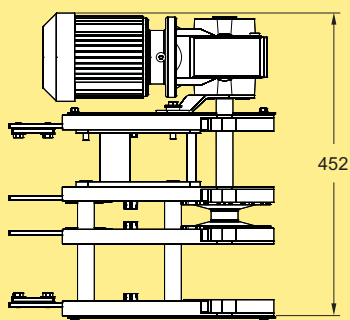
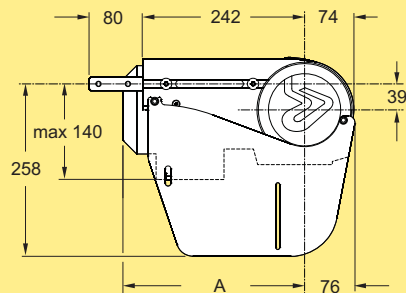
APX

IDX

End drive units X300, direct drive, no slip clutch

End drive units X300, direct drive, slip clutch

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

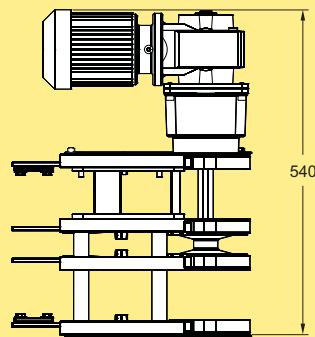
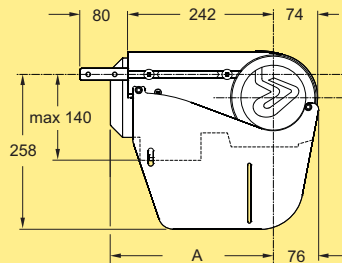
XBEB A300
XBEB 0A300HNLP

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

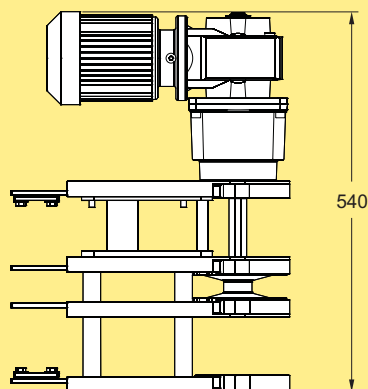
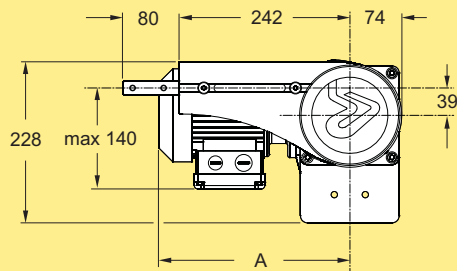
Motor on right side
Fixed/variable speed *
Without motor

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 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 A300**
Without motor **XBEB 0A300HLGP**

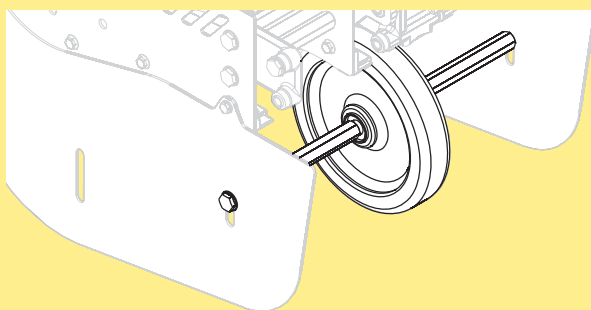
Motor on right side:

Fixed/variable speed * **XBEB A180**
Without motor **XBEB 0A300HRGP**

**Use online configurator when ordering.*

Effective track length: 0,80 m

Guide wheel kit 300

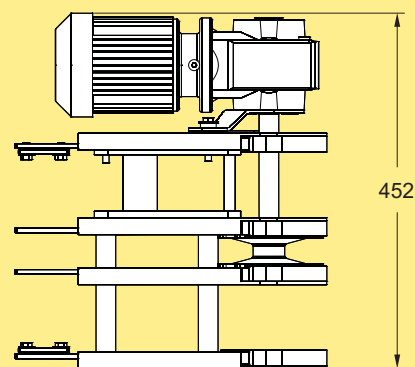
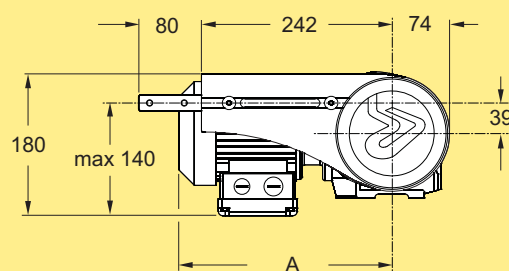


Guide wheel for drive units **5114930**

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).

End drive units X300, 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 A300**
Without motor **XBEB 0A300HNLGP**

Motor on right side:

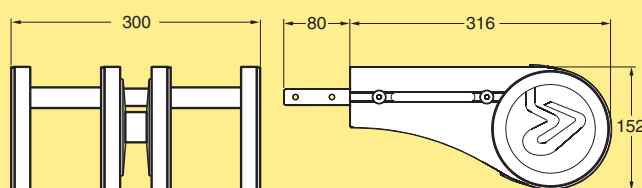
Fixed/variable speed * **XBEB A300**
Without motor **XBEB 0A300HNRGP**

**Use online configurator when ordering.*

Effective track length: 0,80 m

Idlers X300

Idler end unit

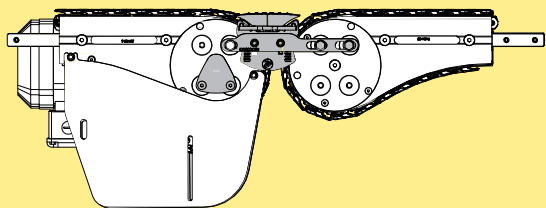


Idler end unit

XBEJ A300

Effective track length: 0,80 m

Passive bridge from conveyor to conveyor



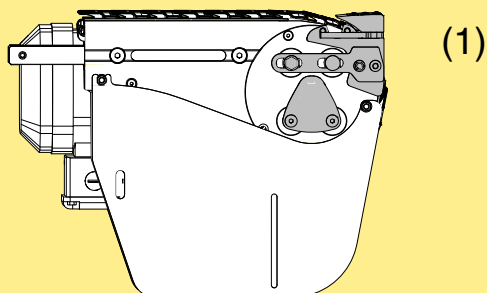
Passive bridge*

XBNG A300

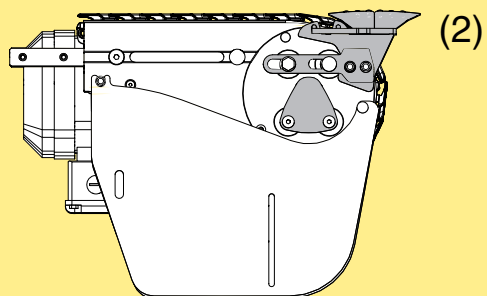
From: Heavy Drive To: Heavy Idler

* Use online configurator when ordering.

Passive bridge to or from machine or application, Single or double rollers



(1)



(2)

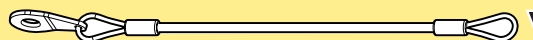
Passive bridge*

Single roller (1) or Double roller (2) **XBNG A300**

From: Heavy Drive To: External
External Heavy Idler

* Use online configurator when ordering.

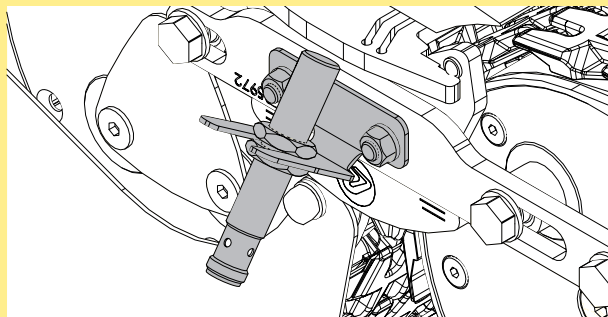
Attachment wire



Wire for attaching roller to holder **FLX1006041**

*Also available as a configuration option through XBNG A300.

Sensor Kit



Bridge in position sensor kit

Conveyor to conveyor

FLX1006042

External to/from Conveyor

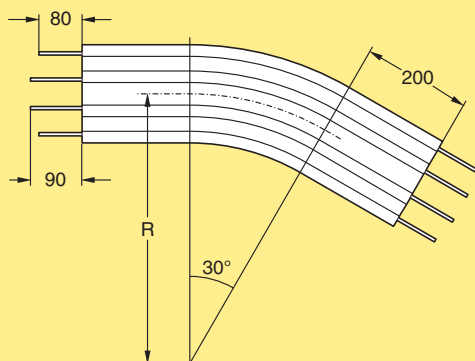
FLX1006044

*Also available as a configuration option through XBNG A300.

*Note

Bridges can not be used with cleated chain.

Plain bend, 30°



Plain bend, 30°±1°

R=700±10 mm

R=1000±10 mm

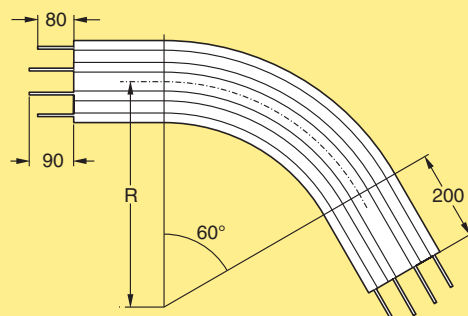
XBBP 30A300R7
XBBP 30A300R10

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

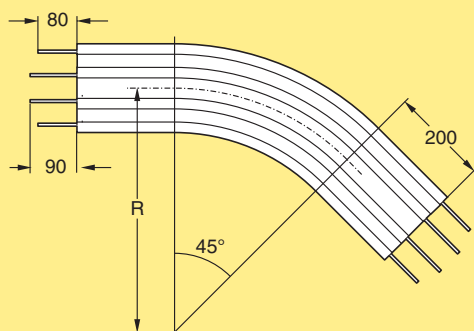
XBBP 60A300R7
XBBP 60A300R10

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

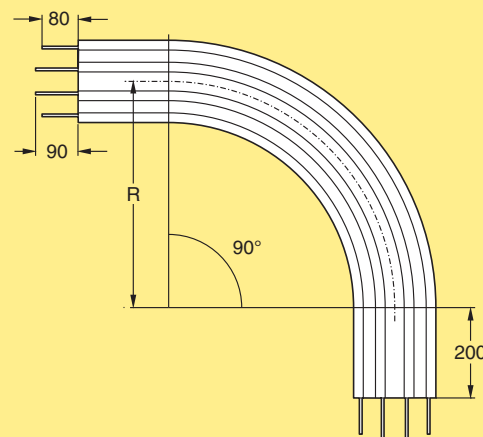
XBBP 45A300R7
XBBP 45A300R10

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

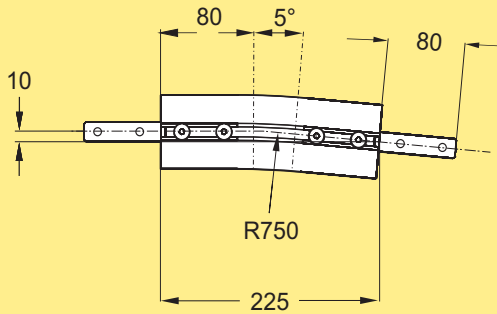
Effective track lengths:

R700: 3,00 m (top+bottom)

R1000: 3,95 m (top+bottom)

Vertical bends X300

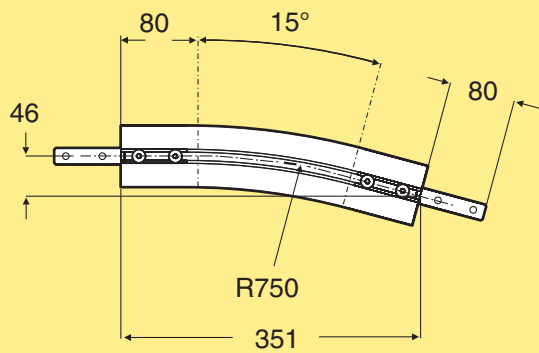
Vertical bend, 5°



Vertical bend, 5° **XBBV 5A300R750**

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

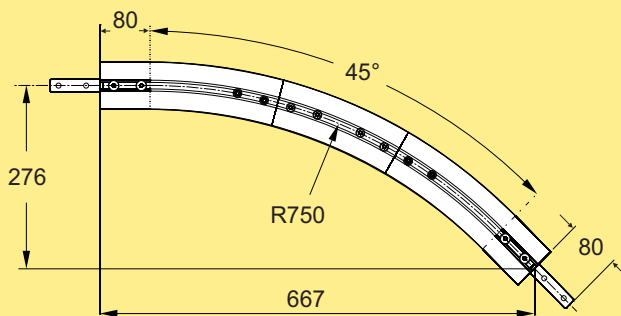
Vertical bend, 15°



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)