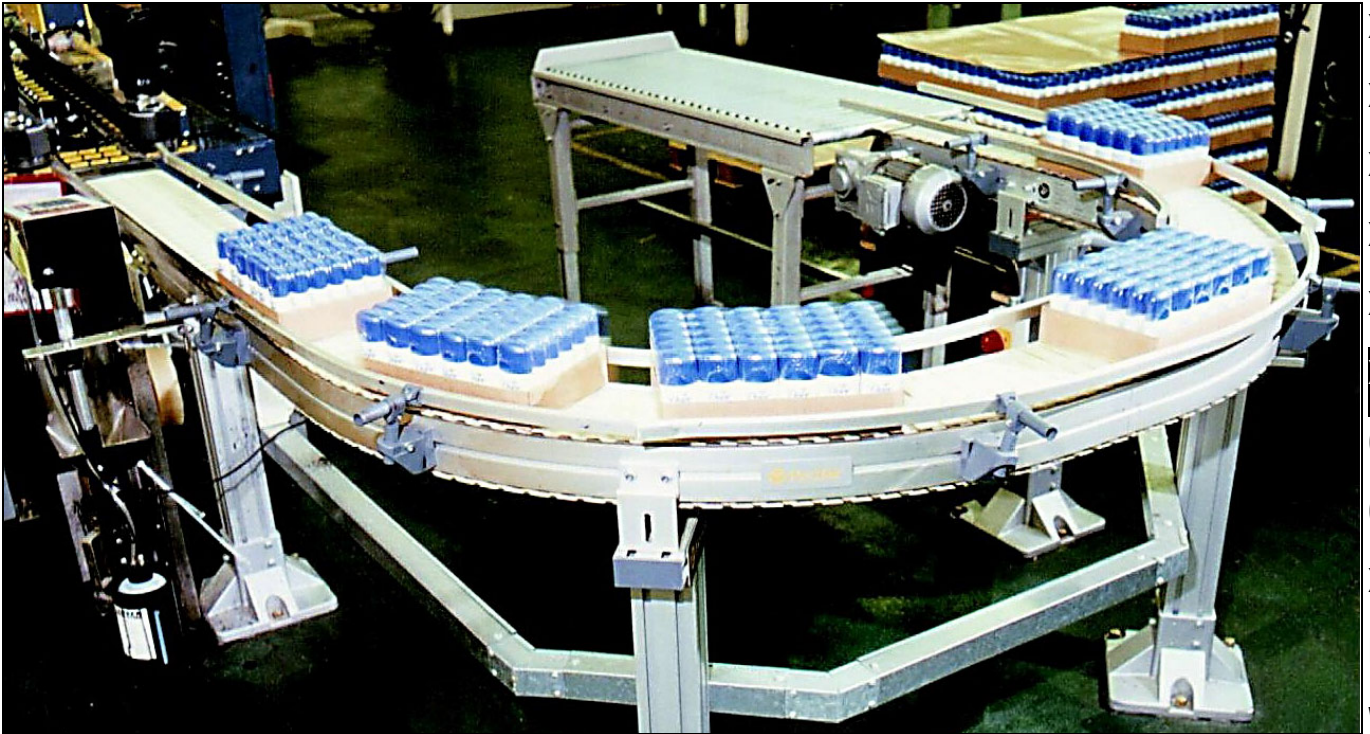


Conveyor system X300

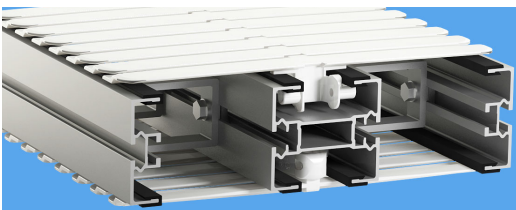
Contents

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Drive and idler units – introduction	293	Vertical bends X300	298

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

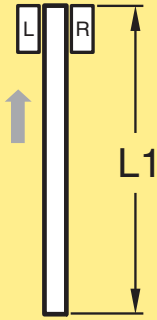
Large cardboard boxes, products in soft plastic bags. Examples: detergent powder, wrapped tissue paper rolls, food products, personal care products.

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

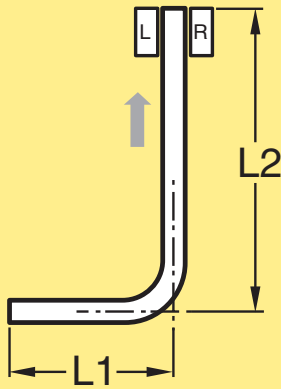
Straight conveyor



Conveyor module – straight * **5990226**

**Use online configurator when ordering*

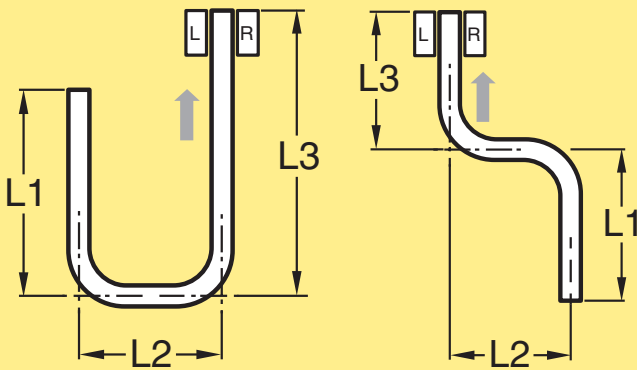
One bend conveyor



Conveyor module – one bend * **5990230**

**Use online configurator when ordering*








Two bend conveyor



Conveyor module – two bends * **5990237**

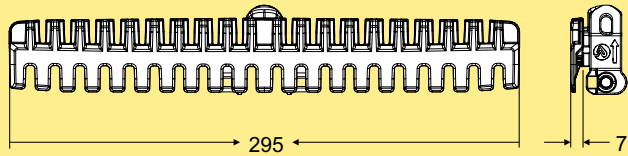
**Use online configurator when ordering*

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 2 lane
	5995397	Multi double 3 lane
	5995398	Multi double 4 lane

Chains X300

Plain chain

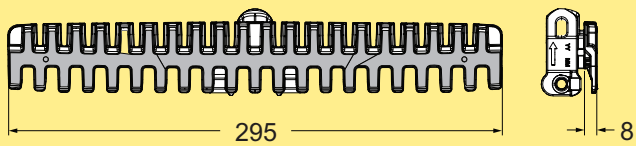


Plain chain
Length 3 m **XBTP 3A300 K**
Food & Wet applications **XBTPX 3A300 K**

Plain link kit * **FLX1003734**
Food & Wet applications **FLX1003735**

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

Friction top chain

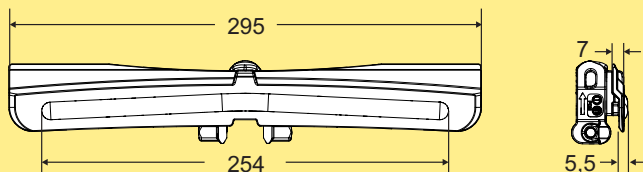


Friction top chain
Length 3 m **XBTPX 3A300 K FA**

Friction top link kit* **FLX1009392**

*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 "D. Chain installation" on page 530, , for installation instructions.

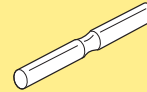
Chain accessories X300

Plastic pivot



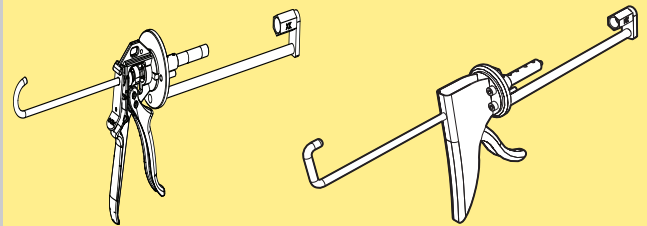
Plastic pivot -X180-X300 kit **5111169**
Each kit contains 25 items.

Steel pin



Steel pin X180-X300 kit **5111172**
Each kit contains 25 items.

Pin insertion tool for chain



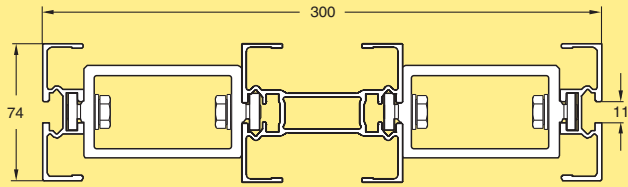
Pin insertion tool
X85--X180-X300 **XMMJ 6**
X85-X180-X300-XH, PRO version* **XBMJ 6 P**

*This tool is recommended for frequent users

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

Beam components X300

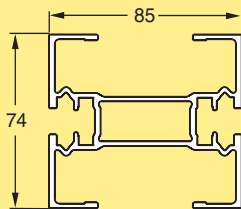
Beam section kit (300 mm version)



Beam section kit
 Length 2995 ±1 mm **XBCB 3A300**
 Length to order (160- 2995 mm) **XBCB LA300**

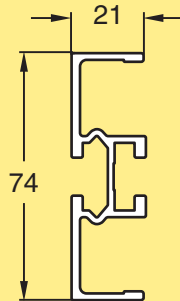
*The beam section is delivered unassembled.
 Slide rail: see page 291*

Beam (mid-section)



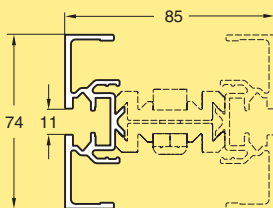
Beam (mid-section)
 Length 3000 +10/-0 mm **XBCB 3A85**
 Length to order (500- 3000 mm) **XBCB LA85**

Beam (outer section)



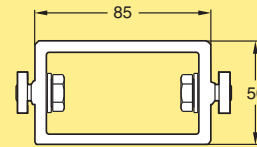
Beam (outer section)
 Length 3000 +10/-0 mm **XBCB 3A H**
 Length to order (500- 3000 mm) **XBCB LA H**

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**

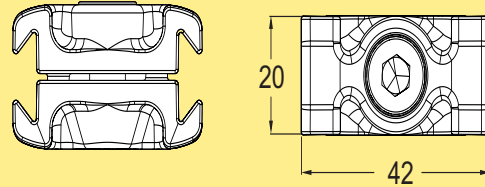
Spacer for outer beam sections



Spacer, aluminium **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.

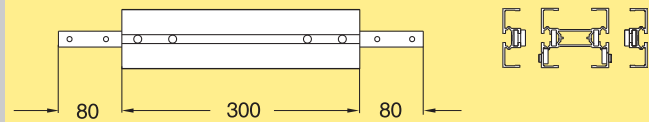
Beam clip assembly



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) **XBCR 25**
 PA-PE (Grey) **XBCR 25 H**
 PVDF (Natural white) **XBCR 25 P**
 PE-UHMW (White) **XBCR 25 U**
 PE-UHMW (Blue) **XBCR 25 UL A**
 PE-UHMW conductive (Black) **XBCR 25 E**

See Appendix A, page 521 for selection guidelines and assembly instructions.

Mounting tool for slide rail

Mounting tool for slide rail (X85) **XBMR 170**

Plastic slide rail for X300 beam, outer

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

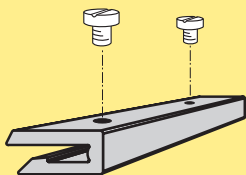
See Appendix A, page 521 for selection guidelines and assembly instructions.

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



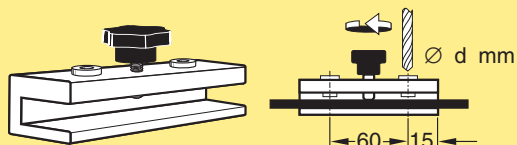
Plastic screws 5 mm for XS-X65-X85-XH-X180-X300 beams

XLG 5

See mounting instruction "Anchoring slide rail using plastic screws" on page 526

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

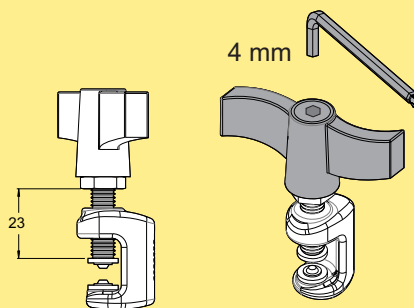


Rivet crimping pliers for X65-X85-XH-XK-X180-X300

For 4 mm rivets

5051395

Rivet crimping clamp



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

For 4 mm rivets

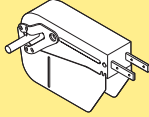
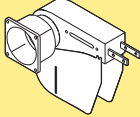
3923005

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

SC

FST

TR

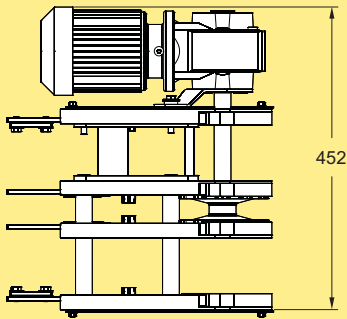
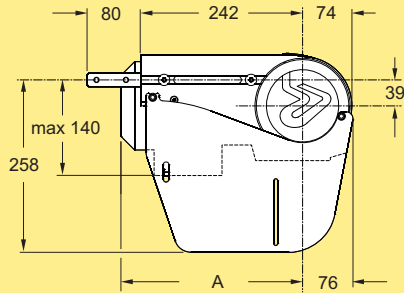
APX

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

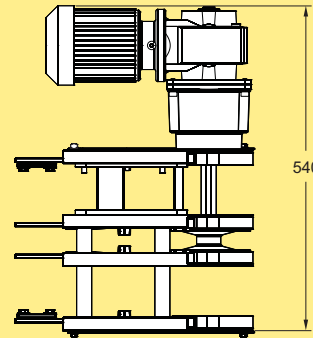
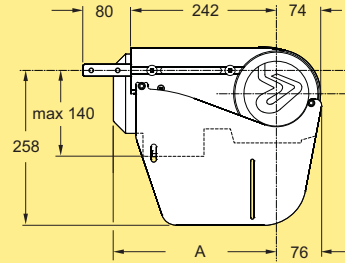
XBEB A300
XBEB 0A300HNLP

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

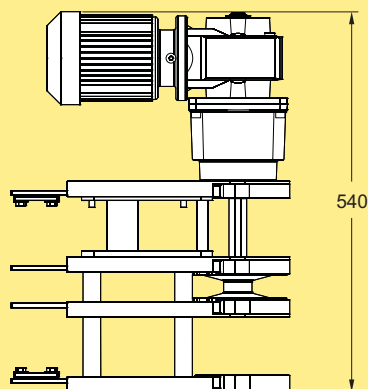
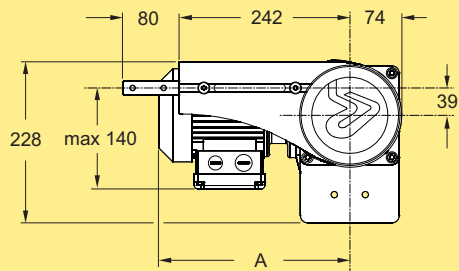
Motor on right side
 Fixed/variable speed *
 Without motor

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**

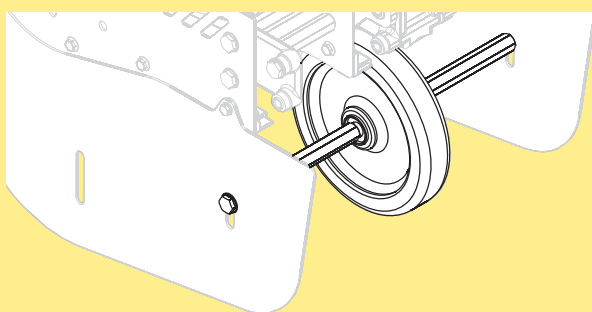
Motor on right side:

Fixed/variable speed * **XBEB A300**
Without motor **XBEB 0A300HRGP**

**Use online configurator when ordering.*

Effective track length: 0,80 m

Guide wheel kit 300

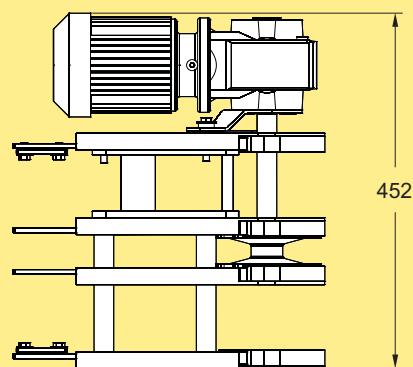
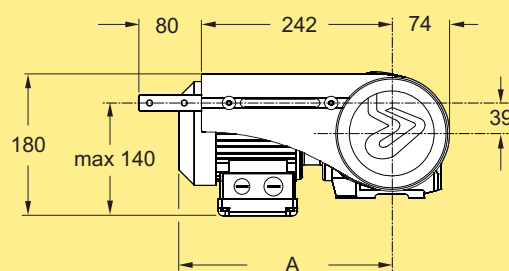


Guide wheel for drive units **5114930**

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) or use for a more quiet operation at lower speed.

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:

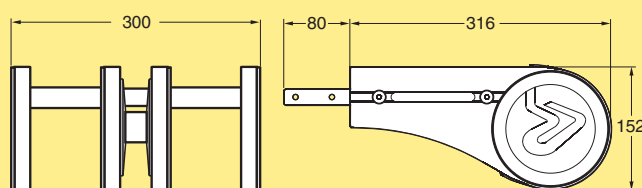
Fixed/variable speed * **XBEB A300**
Without motor **XBEB 0A300HNRGP**

**Use online configurator when ordering.*

Effective track length: 0,80 m

Idlers X300

Idler end unit



Idler end unit

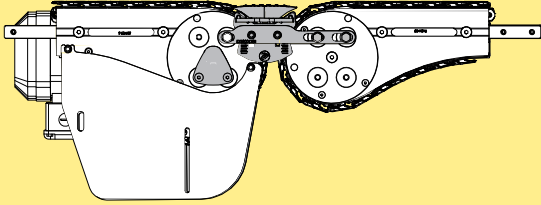
XBEJ A300

Effective track length: 0,80 m

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

Bridges

Passive bridge from conveyor to conveyor



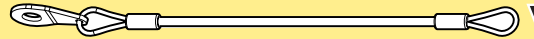
Passive bridge*

XBNG A300

From: Heavy Drive To: Heavy Idler

* Use online configurator when ordering.

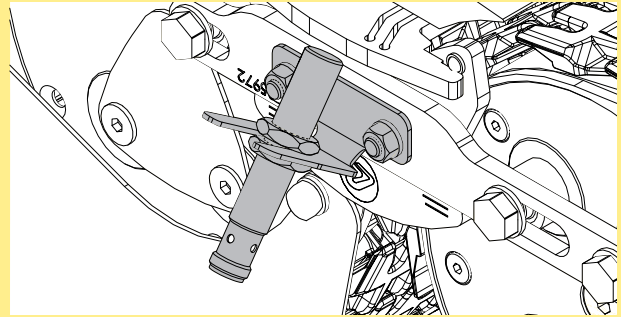
Attachment wire



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

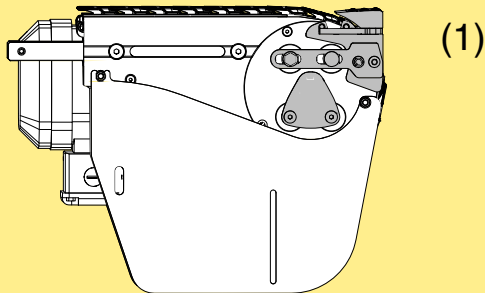
*Also available as a configuration option through XBNG A300.

Includes: Bracket & PNP sensor (NO), M12xL=70mm, M12 connector. No cables.

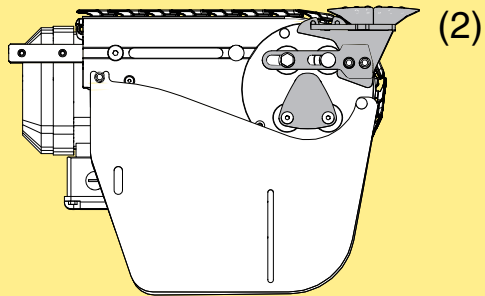
*Note

Bridges can not be used with cleated chain.

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.

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°

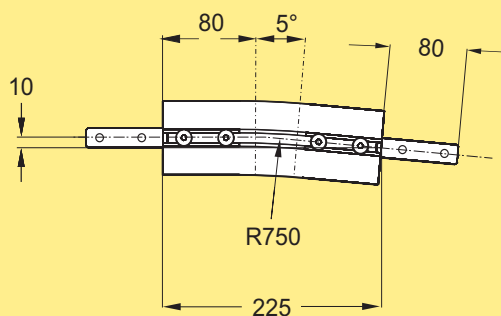
Plain bend, 90°±1°
 R=700±10 mm
 R=1000±10 mm

XBBP 90A300R7
XBBP 90A300R10

Effective track lengths:
 R700: 3,00 m (top+bottom)
 R1000: 3,95 m (top+bottom)

Vertical bends X300

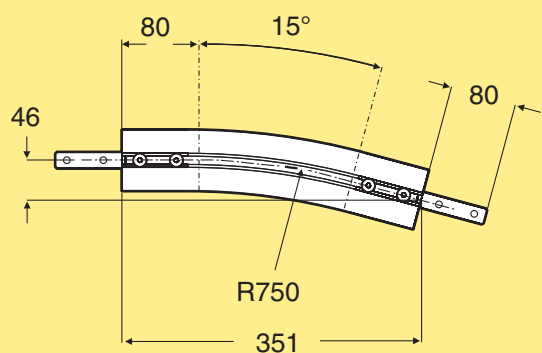
Vertical bend, 5°



Vertical bend, 5° **XBBV 5A300R750**

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

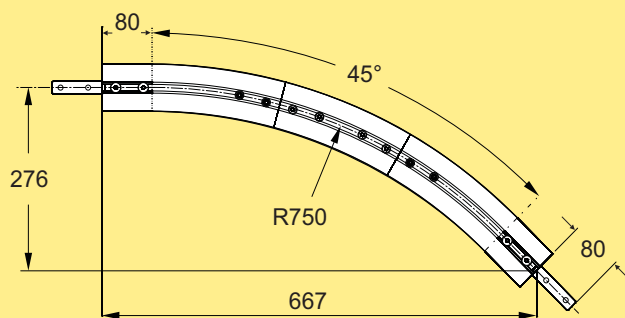
Vertical bend, 15°



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)