

Stainless steel conveyor system X70X

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System information



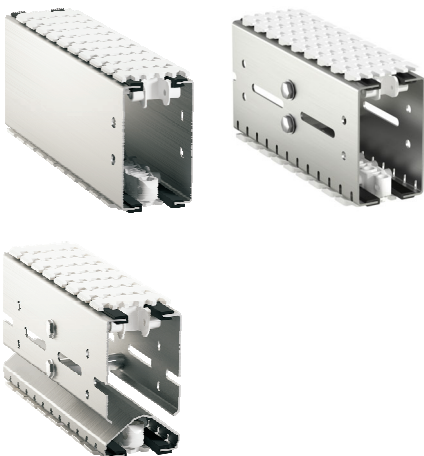
Conveyor with focus on robustness and cleanliness

The stainless steel conveyor X70X was designed to suit the requirements of food, personal products, cosmetic, pharmaceutical and dairy applications.

Environment

- Operating temperatures –20 °C to +60 °C
- Operating humidity 10% to 95% RH
- See chapter Technical reference for Noise level

Chain width 68 mm



Improved cleanliness conveyor

The X70X conveyor system has been evaluated based on field experience and suggestions from customers. With focus on structure rigidity and robustness, easy design, and easier cleaning, several components have been improved with features like better drainage and smaller contact surfaces.

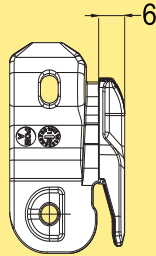
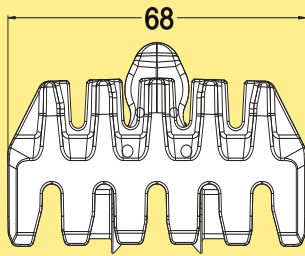
Technical characteristics

Drive unit capacity	800 N	WL
Chain tension limit	800 N	374X
Beam width	70 mm	
Chain width	68 mm	WL
Chain pitch.....	25,4 mm	526X
Item width	15 - 140 mm	
Maximum item weight.....	10 kg	WL
Maximum weight on conveyor	200 kg	678X
Maximum conveyor length.....	30m	
Maximum weight on conveyor	200 kg	CSX
Maximum permitted load/link.....	1,5 kg	

PO
X70X
X85X
X180X
X300X
WL
222X
WL
273X
WL
374X
WL
526X
WL
678X
CSX
GRX
FSTX
TR
APX
IDX

Conveyor chain

Plain chain



Plain chain
Length 5 m
Standard material

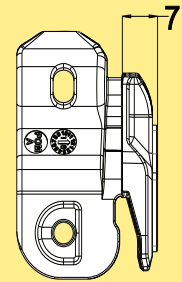
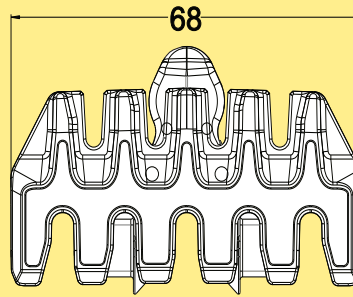
XLTPX 5A70 K

Plain link kit*
Standard material

FLX1001236

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

Flat friction top chain



Flat friction top chain
Length 5 m

XLTPX 5A70 KF

Friction top link kit*

FLX1001237

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

Chain accessories X70X

Plastic pivot

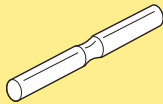


Plastic pivot XS, XL

5111489

Plastic pivot kit contains 25 items

Steel pin

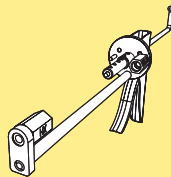
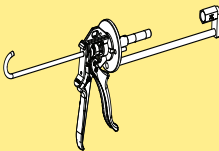


Steel pin XS, XL

5111492

Steel pin kit contains 25 items

Pin insertion tool for chain

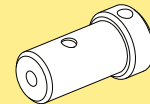
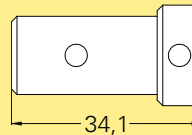


Pin insertion tool
XS-XL-XT
XS-XL-XT, PRO version*

XLMJ 4
XLMJ 4 P

*This product is recommended for frequent users.

Sleeve

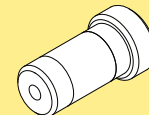
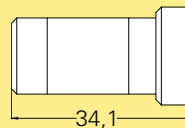


Sleeve X70X

FLX1004625

Used for XLMJ 4

Sleeve



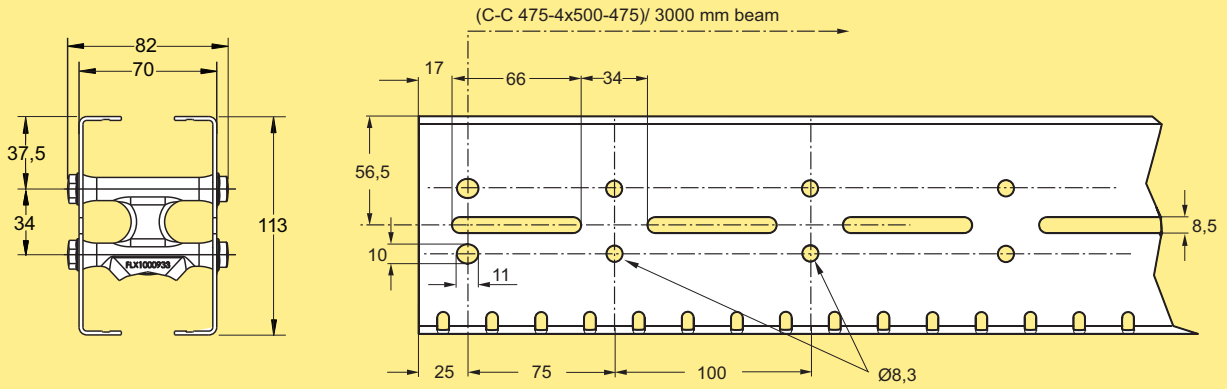
Sleeve X70X

FLX1004056

Used for XLMJ 4 P

Conveyor beams

Conveyor beam, type X, 70 mm



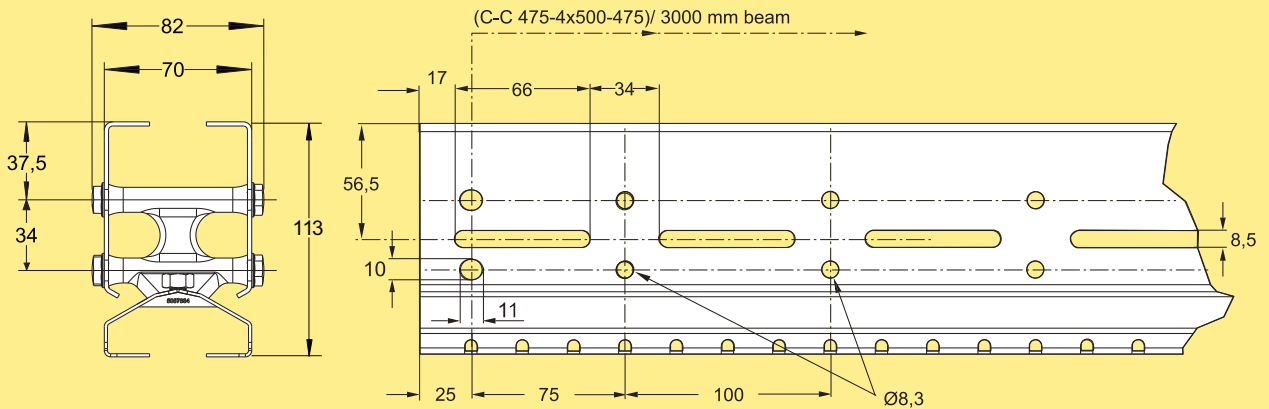
Conveyor Beam

Length 3 m (3000 ±1,5 mm)
Length to order (150- 2999 mm)

XLCBX 3A70
XLCBX LA70

All X70X beams are delivered fully assembled.

Conveyor beam, type Y, 70 mm



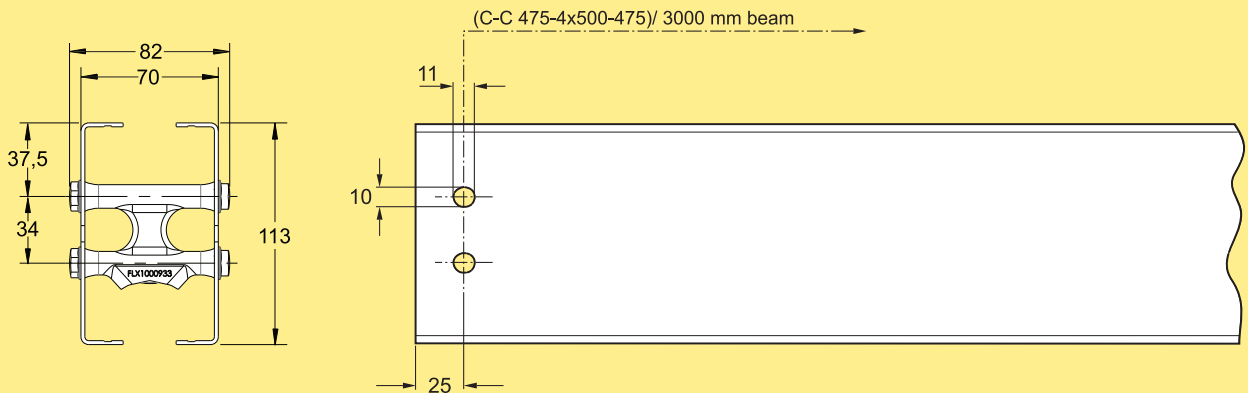
Conveyor Beam

Length 3 m (3000 ±1,5 mm)
Length to order (150- 2999 mm)

XLCBX 3A70Y
XLCBX LA70Y

All X70Y beams are delivered fully assembled, including 2 pcs of Screw kit 5114562.

Conveyor beam, type C, 70 mm



Conveyor Beam

Length 3 m (3000 ±1,5 mm)
Length to order (150- 2999 mm)

XLCBX 3A70C
XLCBX LA70C

All X70X beams are delivered fully assembled.

PO

X70X

X85X

X180X

X300X

WL
222X

WL
273X

WL
374X

WL
526X

WL
678X

CSX

GRX

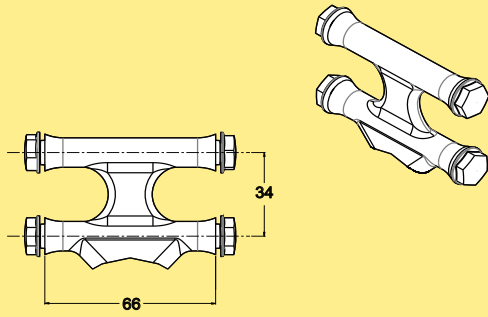
FSTX

TR

APX

IDX

Beam spacer kit

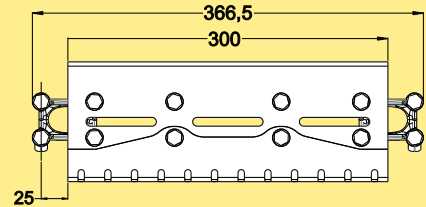
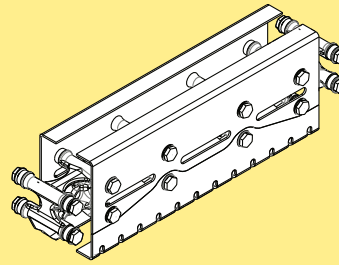


Beam spacer kit for X70X

XLCEX A70

Including screws.
The beams have pre-drilled 8,3 mm holes at 100 mm intervals that need to be increased to 10 mm see XLCBX 3A70.

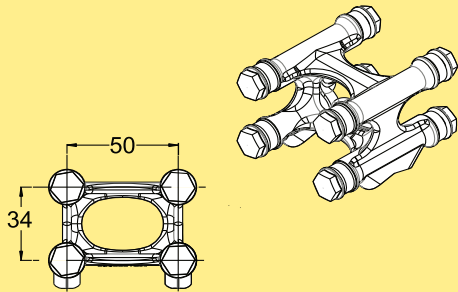
Beam section for chain installation



Beam section for chain installation

XLCCX 300A70

Connecting bracket kit

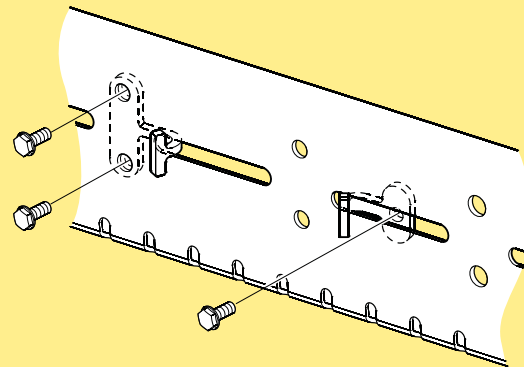
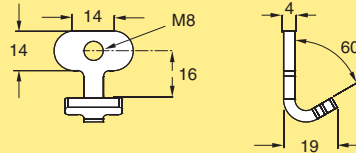
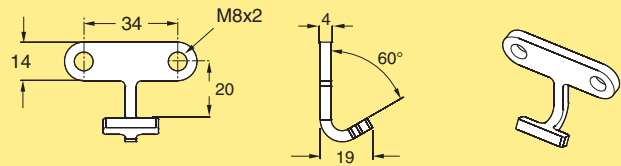


Connecting bracket kit for X70X and X70Y, used to joint two beams see figure.

XLJCX A70

Including screws.
The beams have pre-drilled 10 mm holes, see XLCBX 3A85.

Nut, stainless steel

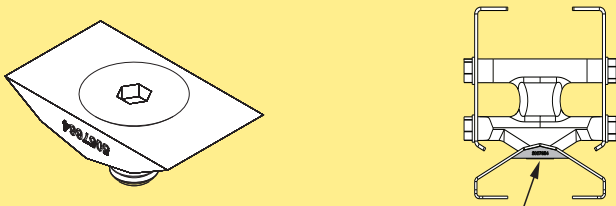


Nut 2xM8
Nut 1xM8

5113998
5114181

Nut with threaded hole (M8) for connection of sensors and other accessories when the conveyor chain is in place. By placing nuts inside the beam at the holes, accessories can be attached using M8 A4 screws. NOTE! Be careful when installing so no nut is dropped inside the beam, this can lead to a large additional work or operational damage.

Screw kit



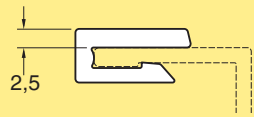
Screw kit

5114562

For return beam, type Y, 70 mm.

Slide rails

Plastic slide rails, narrow



Slide rail

Length 25 m

HDPE (Black)

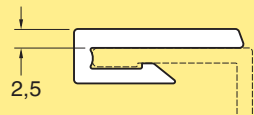
PE-UHMV (White)

PVDF (Transparent white)

PA-PE (Grey) (Should not be used in wet applications)

XBCR 25
XBCR 25 U
XBCR 25 P
XBCR 25 H

Plastic slide rails, wide



Slide rail

Length 25 m

HDPE (Black)

PE-UHMV (White)

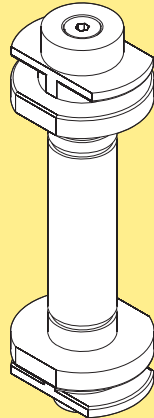
PVDF (Transparent white)

PA-PE (Grey) (Should not be used in wet applications)

XBCR 25 B
XBCR 25 UB
XBCR 25 PB
XBCR 25 HB

Note. The wide slide rails are not suitable for use in bends.

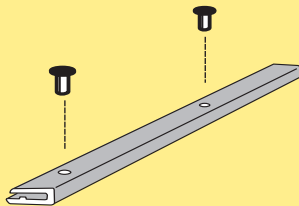
Mounting tool for slide rail



Mounting tool for slide rail

XLMR 70

Stainless steel rivet

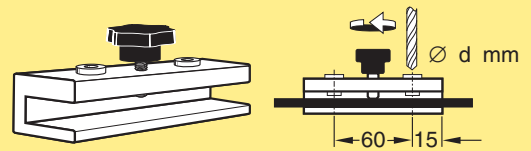


Stainless steel rivet, 4 mm

XLAHX 4x7

Note. Contains 25 pcs.

Drill fixture for slide rail



Drill fixture for slide rail
 d=4,2 mm

3920500

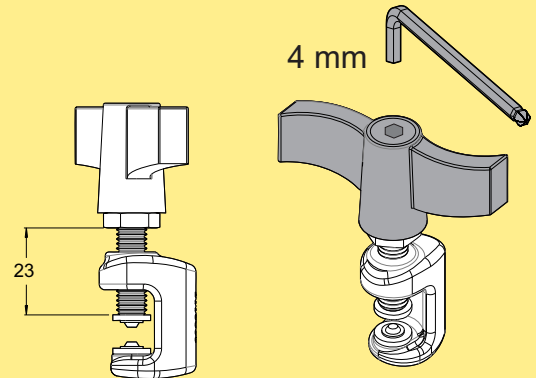
Rivet crimping pliers



Rivet crimping pliers
 For 4 mm rivets

5051395

Rivet crimping clamp



Rivet crimping clamp
 For 4 mm rivets
 (note: Allen key not included)

3923005

PO

X70X

X85X

X180X

X300X

WL
 222X

WL
 273X

WL
 374X

WL
 526X

WL
 678X

CSX

GRX

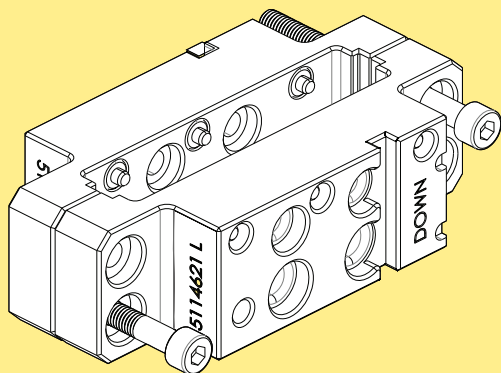
FSTX

TR

APX

IDX

Drill fixture



Drill fixture **5114621**

For use when additional holes are needed on the beam sides.

Including:

Drill 4,5 mm

Drill 8,3 mm

Drill 11,0 mm

and instructions for use.

Drill



Twist Drills DIN 338 HSS-E (Co 8)

Type N-HD Cobalt Alloyed, Split Point

Drill 11,0 mm

5115050

Drill 10,2 mm

5115056

Drill 8,3 mm

5115051

Drill 4,5 mm

5115052

Drill 4,2 mm (for 3920500)

5115053

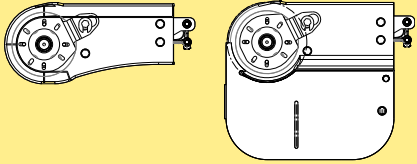
For high strength alloys on CrNi base such as Hastelloy, Inconel, Monel, Nimonic, stainless steels, head and acid-proof steels (up to 1400 N/mm² tensile strength).

Drive and idler units – Introduction

Drive unit types

The X70X system drive units capacities is maximum 800 N. The actual capacity depends on the speed. Available motors include variable speed types (**V**) as well as fixed speed motors (**F**).

End drive units

Size	Direct drive, no slip clutch
	
Drive unit	F, V
Drive unit, guided	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.

Idler unit types

Idler unit is available as Compact version.

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

X70X

X85X

X180X

X300X

WL
222X

WL
273X

WL
374X

WL
526X

WL
678X

CSX

GRX

FSTX

TR

APX

IDX

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	C	D	E	G	H	I
XLEBX A70	HNP	- L	- G	- V4	- SA37	- 50/230	- 0,18kW	- TF

Drive unit with variable speed motor

Item no	A	B	D	E	F	G	J	K
XLEBX A70	HNPV	- L	- V6-15	- SA37	- MM03	- 50/380-500	- C	- P

Item no - Drive type

XLEBX: End drive

A – 0-Unit

HNP: Direct drive, no slip clutch
V: Variable speed

B – Motor position

L: Left
 R: Right

C – End drive with guided chain

G: Guided (position is omitted for non-guided)

D – Speed

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

E – Gearbox

SA37: SEW gear box type SA37
 WA30: SEW gear box type WA30

F – Movimot size

MM03: SEW Movimot type, 0,37 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
 50/380-500: SEW Movimot variable speed motor

H – Motor power

... kW: Motor power, kW
 (position is omitted for variable speed motors
 see position F)

I – Thermal protection

No: No thermal protection
 TF: Thermal protection type TF
 TH: Thermal protection type TH
 (position is omitted for variable speed motors)

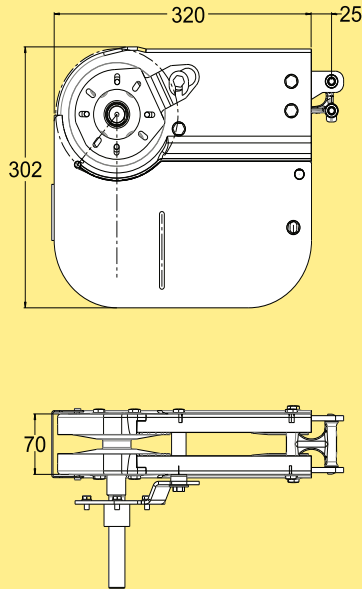
J – Hybrid cable

No: No hybrid cable
 C: Hybrid cable included in SEW Movimot
 (position is omitted for fixed speed motors)

K – Fieldbus

No: No fieldbus
 P: Profibus fieldbus, maintenance switch
 D: DeviceNet fieldbus, maintenance switch
 (position is omitted for fixed speed motors)

End drive unit, direct drive, no slip clutch



End drive unit

Direct drive. No slip clutch.
 Maximum traction force: up to 500 N.
 Maximum speed 90 m/min for X70X.

Motor on left side:

Fixed/variable speed * **XLEBX A70**
 Without motor **XLEBX 0A70HNLP**

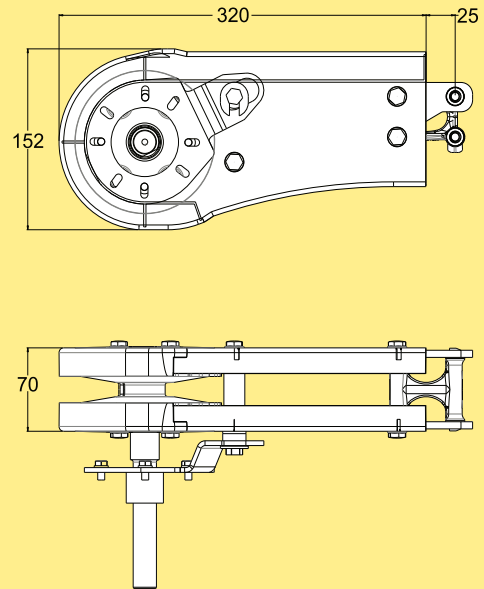
Motor on right side (not shown):

Fixed/variable speed * **XLEBX A70**
 Without motor **XLEBX 0A70HNRP**

* Use online configurator when ordering.

Effective track length: 0,70 m

End drive unit, guided chain, no slip clutch



End drive unit

Direct drive with guided chain. No slip clutch.
 Maximum traction force: up to 500 N.
 Maximum speed 90 m/min for X70X.

Motor on left side:

Fixed/variable speed * **XLEBX A70**
 Without motor **XLEBX 0A70HNLGP**

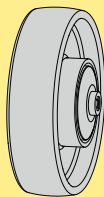
Motor on right side (not shown):

Fixed/variable speed * **XLEBX A70**
 Without motor **XLEBX 0A70HNRGP**

* Use online configurator when ordering.

Effective track length: 0,70 m

Guide wheel kit



Guide wheel for drive units **FLX1003066**

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).

P0

X70X

X85X

X180X

X300X

WL

222X

WL

273X

WL

374X

WL

526X

WL

678X

CSX

GRX

FSTX

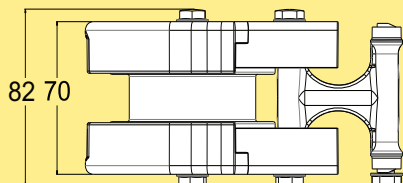
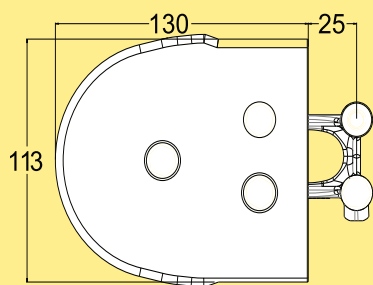
TR

APX

IDX

Idler units

Idler end unit, Compact



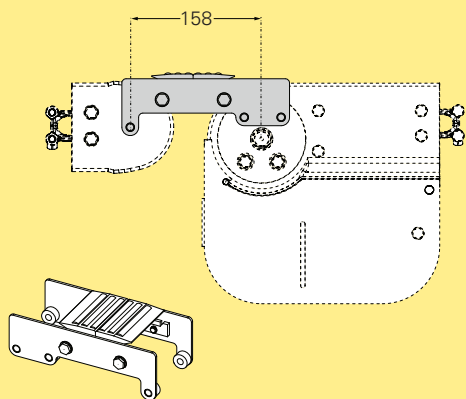
Idler end unit X70X

XLEJX A70 S

Effective track length: 0,35 m.

Bridges, drive unit to idler unit

Bridge, idler compact to drive unit



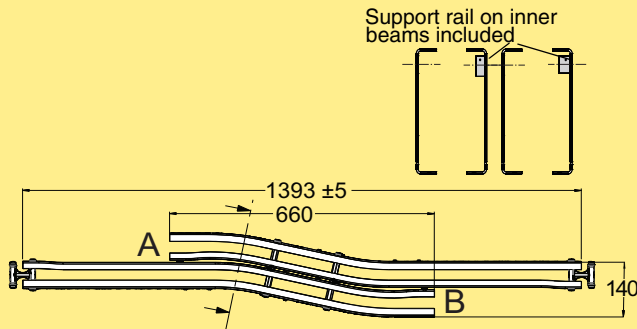
Bridge (see Note)

XLNGX A70 S

*Including roller bridge and mounting hardware.
Suitable for connecting idler compact to drive unit.
Note! This bridge can only be used with plan chain.*

Transfer units

S-Transfer, right



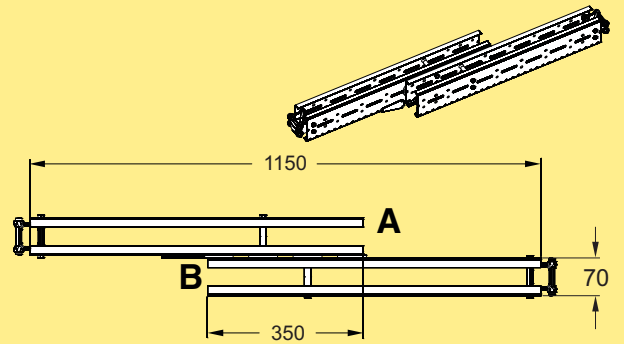
S-transfer for return chain

For optional mounting of Idler end unit or Drive unit at the end (A) or (B)

XLCXX A70 DR

Effective track length: 4,1 m

Side transfer, right

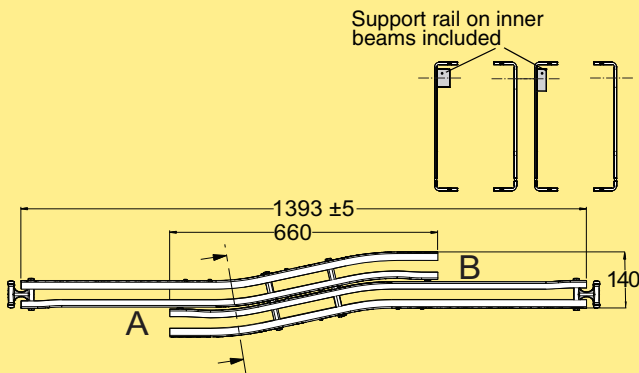


Side transfer

For optional mounting of Idler end unit or Drive unit at the end (A) or (B) **XLCPX 70 R**

Effective track length: 3 m

S-Transfer, left



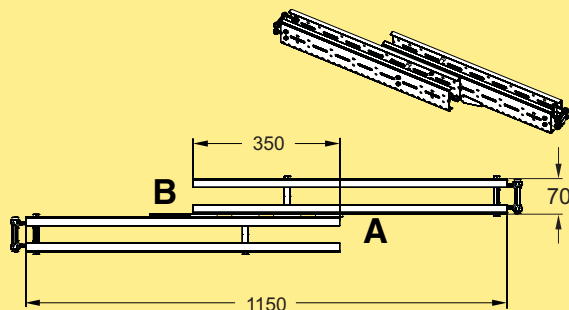
S-transfer for return chain

For optional mounting of Idler end unit or Drive unit at the end (A) or (B)

XLCXX A70 DL

Effective track length: 4,1 m

Side transfer, left



Side transfer

For optional mounting of Idler end unit or Drive unit at the end (A) or (B) **XLCPX 70 L**

Effective track length: 3,0 m

PO

X70X

X85X

X180X

X300X

WL
222X

WL
273X

WL
374X

WL
526X

WL
678X

CSX

GRX

FSTX

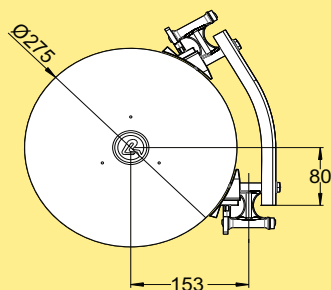
TR

APX

IDX

Wheel bends X70X

Wheel bend, 30°

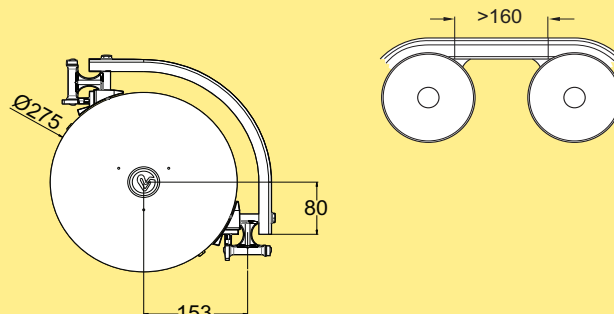


Wheel bend, 30°
 Wheel bend, 30° type C

XLBHX 30A70R153
XLBHX 30A70R15C

Effective track length (top + bottom): 0,50 m

Wheel bend, 90°

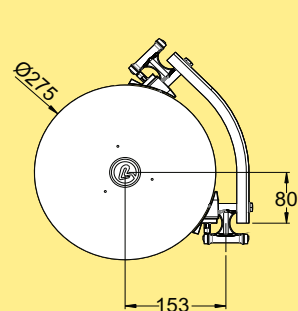


Wheel bend, 90°
 Wheel bend, 90° type C

XLBHX 90A70R153
XLBHX 90A70R15C

Effective track length (top + bottom): 0,85 m

Wheel bend, 45°

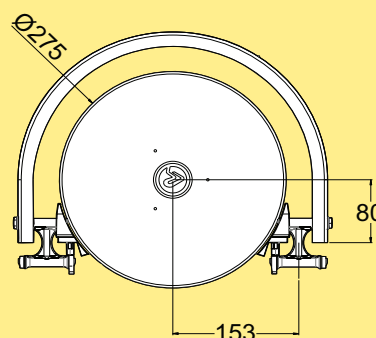


Wheel bend, 45°
 Wheel bend, 45° type C

XLBHX 45A70R153
XLBHX 45A70R15C

Effective track length (top + bottom): 0,60 m

Wheel bend, 180°



Wheel bend, 180°
 Wheel bend, 180° type C

XLBHX 180A70R153
XLBHX 180A70R15C

Effective track length (top + bottom): 1,35 m

Plain bends

Item no	Angle (a)	Radius (R)	Effective track length	Slide rails (m)
XLBPX 30A70R5	30°	500 mm	0,70 m (1,40 m 2-way)	2,70 m
XLBPX 30A70R7	30°	700 mm	0,80 m (1,60 m 2-way)	3,10 m
XLBPX 30A70R10	30°	1000 mm	0,92 m (1,85 m 2-way)	3,70 m
XLBPX 45A70R5	45°	500 mm	0,80 m (1,60 m 2-way)	3,20 m
XLBPX 45A70R7	45°	700 mm	0,95 m (1,90 m 2-way)	3,80 m
XLBPX 45A70R10	45°	1000 mm	1,20 m (2,40 m 2-way)	4,70 m
XLBPX 90A70R5	90°	500 mm	1,20 m (2,40 m 2-way)	4,50 m
XLBPX 90A70R7	90°	700 mm	1,50 m (3,0 m 2-way)	5,60 m
XLBPX 90A70R10	90°	1000 mm	2,00 m (4,0 m 2-way)	7,80 m

Plain bend, 30°

Support rail on inner beam included

Plain bend, 30° X70X
 R=500 mm
 R=700 mm
 R=1000 mm

**XLBPX 30A70R5
 XLBPX 30A70R7
 XLBPX 30A70R10**

Plain bend, 90°

Support rail on inner beam included

Plain bend, 90° X70X
 R=500 mm
 R=700 mm
 R=1000 mm

**XLBPX 90A70R5
 XLBPX 90A70R7
 XLBPX 90A70R10**

Plain bends, 45°

Support rail on inner beams included

Plain bend, 45° X85X
 R=500 mm
 R=700 mm
 R=1000 mm

**XLBPX 45A70R5
 XLBPX 45A70R7
 XLBPX 45A70R10**

Plain bend, 5°-90°

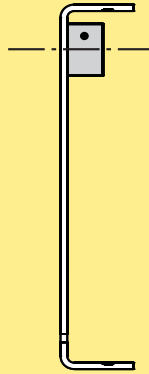
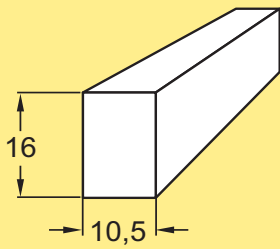
Plain bend, 5-45°±1°
 R=300-1000±10 mm **XLBPX 45A70T10**
 R=1001-2000±10 mm **XLBPX 45A70T20**

Plain bend, 46-90°±1°
 R=300-1000±10 mm **XLBPX 90A70T10**
 R=1001-1600±10 mm **XLBPX 90A70T16**

Use online configurator when ordering.

PO
 X70X
 X85X
 X180X
 X300X
 WL
 222X
 WL
 273X
 WL
 374X
 WL
 526X
 WL
 678X
 CSX
 GRX
 FSTX
 TR
 APX
 IDX

Support rail for plain bends and S-transfer(spare part)

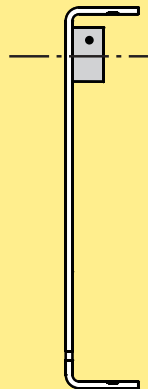
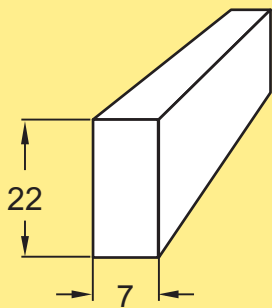


Support rail for plain bends and
S-transfer,
Length 2,4 m

5048598

Fix with sheet metal screw ISO 7049 4,2×9,5 or similar.

Support rail for S-transfer (spare part)



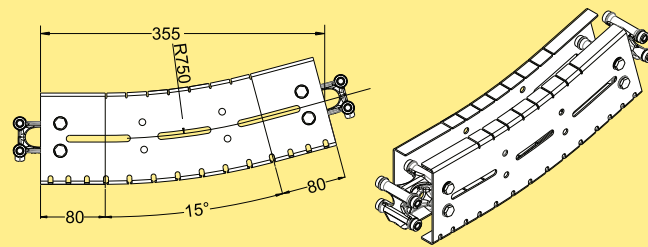
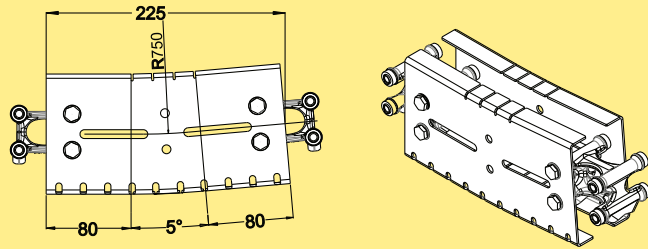
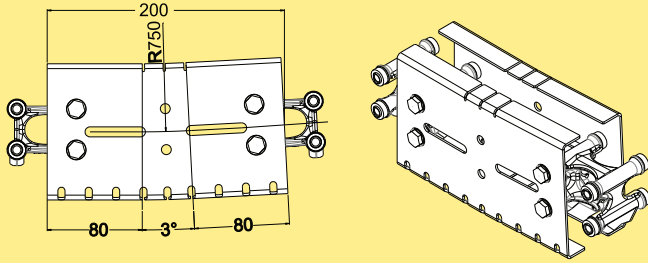
Support rail for S-transfer,
Length 2,4 m

FLX1003434

Fix with sheet metal screw ISO 7049 4,2×9,5 or similar.

Vertical bends

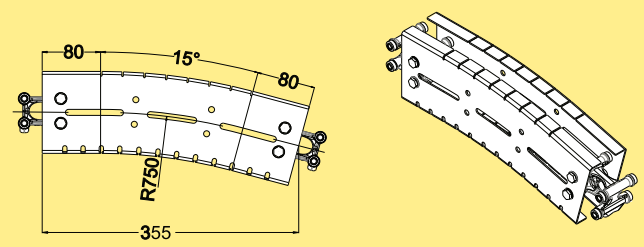
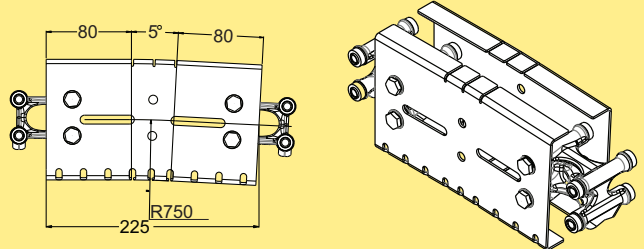
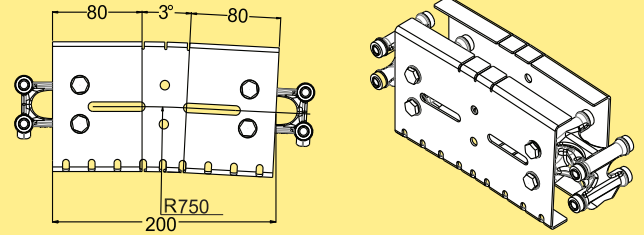
Vertical bend, positive angle



- Vertical bend, pos., 3° **XLBVX 3A70R7P**
- Vertical bend, pos., 5° **XLBVX 5A70R7P**
- Vertical bend, pos., 15° **XLBVX 15A70R7P**

Effective track length (top + bottom): 3°: 0,40 m, 5°: 0,50 m, 15°: 0,75 m

Vertical bend, negative angle



- Vertical bend, neg., 3° **XLBVX 3A70R7N**
- Vertical bend, neg., 5° **XLBVX 5A70R7N**
- Vertical bend, neg., 15° **XLBVX 15A70R7N**

Effective track length (top + bottom): 3°: 0,40 m, 5°: 0,50 m, 15°: 0,75 m

PO

X70X

X85X

X180X

X300X

WL

222X

WL

273X

WL

374X

WL

526X

WL

678X

CSX

GRX

FSTX

TR

APX

IDX

