Conveyor system X85

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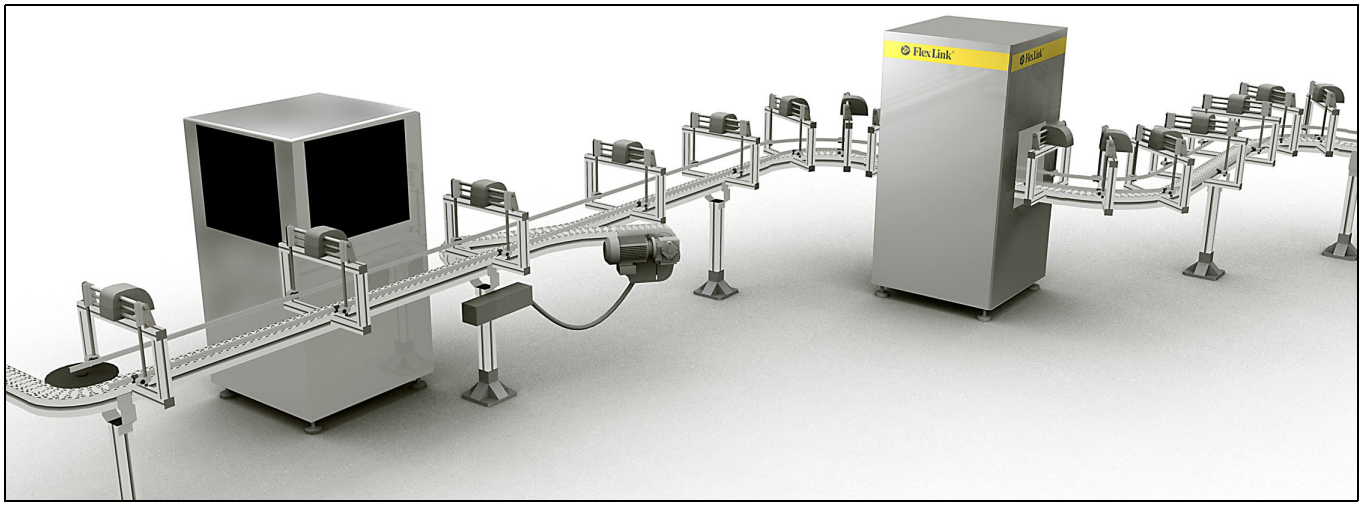
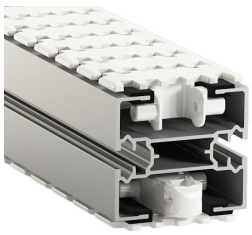
System information



Chain width 83 mm



Features

Suitable for a wide range of applications. Includes components for pallet handling (X85P) and vertical wedge conveyors.

Examples of application areas

Home care products, personal care products, pucks for filling operations, secondary packages, cartons.

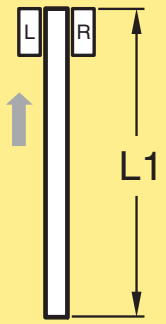
Technical characteristics

Beam width ..... 85 mm
Chain width ..... 83 mm
Chain pitch ..... 33,5 mm
Drive unit capacity ..... 300–1250 N
Chain tension limit ..... 1250 N
Item width ..... 20–200 mm
Maximum:
- conveyor length ..... 30 m
- weight on conveyor ..... 200 kg
- load per 100 mm conveyor length ..... 75 N
- item weight, horizontal transport ..... 15 kg
- item weight, vertical transport ..... 10 kg

Vertical wedge conveyor applications

Item width ..... 40–300 mm
Maximum:
- conveyor length ..... 8 m
- item weight ..... 2 kg
- permitted load per link ..... 2,5 kg

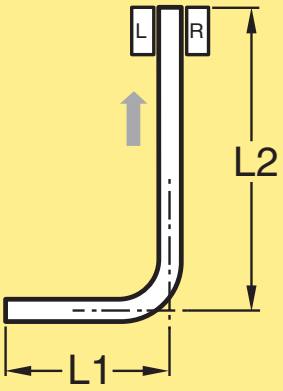
Straight conveyor



Conveyor module – straight * **5990226**

**Use online configurator when ordering*

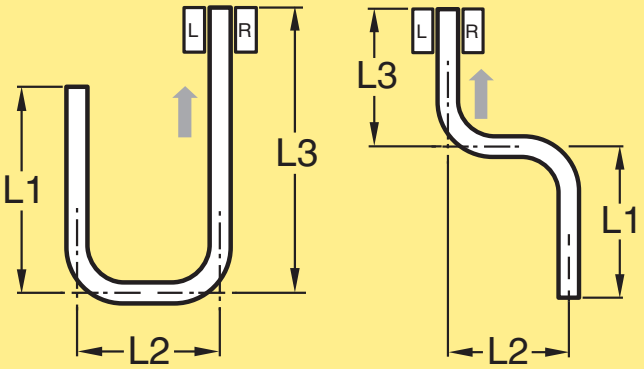
One bend conveyor



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

	5995387	Single diecast
	5995388	Single end adjustable
	5995389	Single end guide roller
	5995390	Single foot plate
	5995391	Single two/three-point
	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
	5995400	Drive unit end
	5995401	Drive unit inline transfer
	5995402	Drive unit wheel bend

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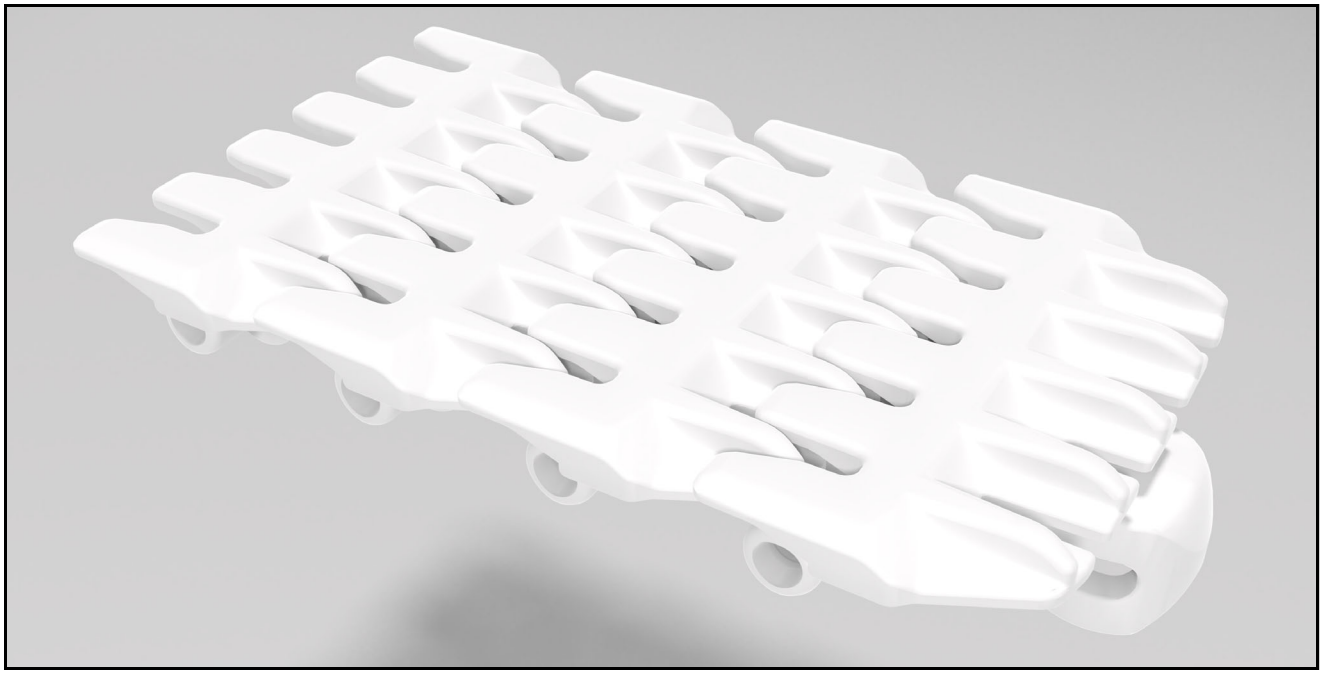


Chain types

The conveyor chain is designed for smooth running, minimum wear and low noise level at normal speeds. For wet applications use XBTPX 5A85.

Chain performance levels

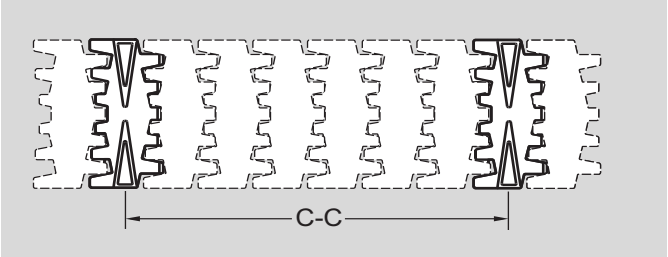
- For most applications: standard chain, available as plain chain, cleated chain, friction top chain, steelplated chain, and roller top chain.
- For special applications: ultra high wear resistance chain, steel top chain, high temperature chain, conductive chain, semi-conductive chain, smooth top chain, and wedge top chain.

Note

In pallet systems where pallets type BR or R are used, it is necessary to use the plain chain with closed top XBTP 5A85 K. This will ensure that the pallet surface is at the correct height with regard to other system components. Do not use this chain with other pallet types. See catalogue section “X85 pallet system” for more information.

Configuration of cleated chains

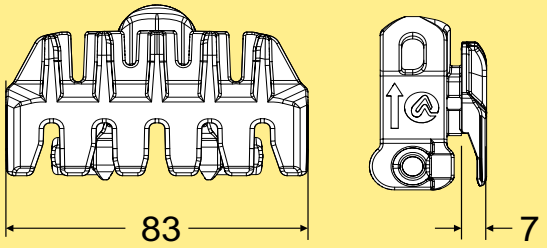
Cleated X85 chains must be ordered using the online configurator. Specify the desired distance between cleats. This means the minimum desired c-c distance between the cleated links. Ensure that enough clearance is provided in relation to the shape of the cleats. See the example below.



Note

You cannot order cleated chains by specifying the designation given in the catalogue (for example XBTP 5A85X15 K). It is necessary to use the online configurator.

Plain chain



Plain chain
Length 5 m

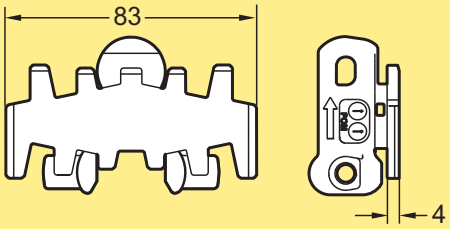
Standard material	**XBTP 5A85 K**
Food & Wet applications	**XBTPX 5A85K**

Plain link kit *

Standard material	**FLX1003436**
Food & Wet applications	**FLX1003437**

**Link kit contains 10 links, 10 pivots, 10 steel pins*
Use this chain in pallet systems with pallets type BR or R. Not suitable for other pallet types.

Plain chain



Plain chain
Length 5 m

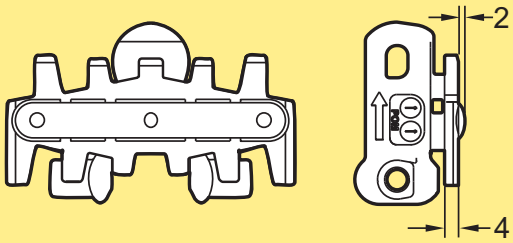
Standard material	**XBTP 5A85**
Conductive material	**XBTP 5A85 E**
Ultra low wear	**XBTP 5A85 C**
Food & Wet applications	**XBTPX 5A85**

Plain link kit *

Standard material	**5110529**
Conductive material	**5110527**
Ultra low wear	**5110533**
Food & Wet applications	**5110512**

**Link kit contains 10 links, 10 pivots, 10 steel pins*
Do not use this chain with pallets type BR or R.

Friction top chain



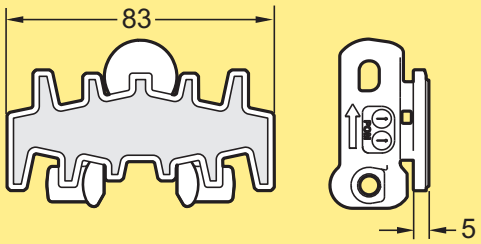
Friction top chain
Length 5 m

All links are friction type	**XBTP 5A85 F**
Every 2nd link is friction type	**XBTP 5A85 F2**

Friction top link kit * **5110518**

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

Flat friction top chain

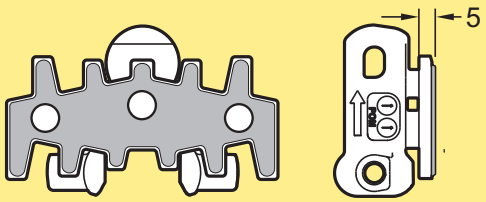


Flat friction top chain
Length 5 m **XBTP 5A85 FA**

Friction top link kit * **5110528**

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

Steel top chain



Steel top chain
Length 5 m **XBTP 5A85 TF**

Steel top link kit * **5110519**

**Link kit contains 10 links, 10 pivots, 10 steel pins*
Top part has steel cover for improved wear resistance.

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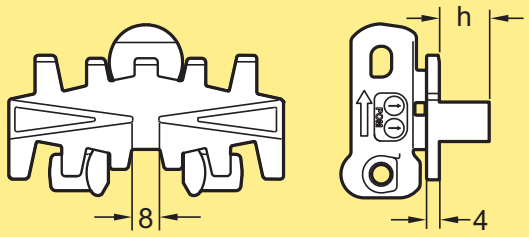
Cleated chain, Type A



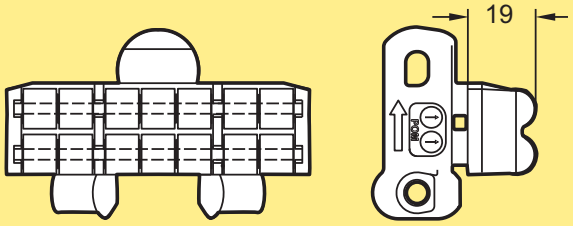
Cleated chain
Type A cleats
Length 5 m
h=15 mm **XBTF 5A85×15 A**
h=30 mm **XBTF 5A85×30 A**

**This product is delivered with plain links between the cleats. Use the online configurator to specify and order.*

Cleated link kit **
h=15 mm **5110516**
h=30 mm **5110517**

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

Roller top chain



Roller top chain
Length 5 m **XBTR 5A85 P**

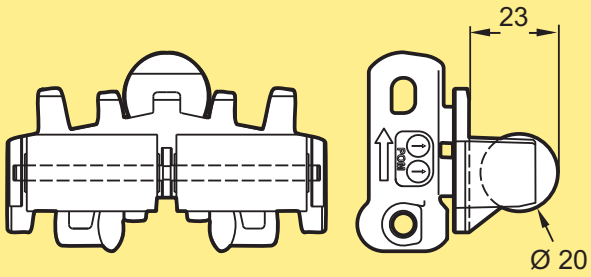
Use the online configurator to specify and order.

Roller top chain
Length 5 m **XBTR 5A85**

Roller top link kit * **5110520**

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

Chain with 23 mm roller cleats



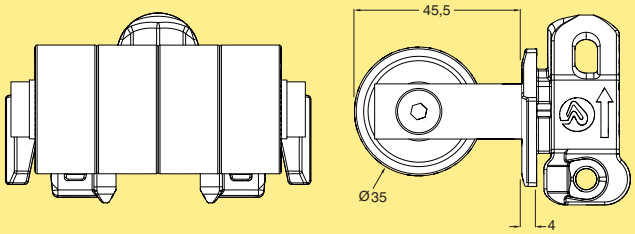
Chain with 23 mm roller cleats *
Length 5 m **XBTF 5A85×23 R**

** This product is delivered with plain links between the cleats. Use the online configurator to specify and order.*

Roller cleat link kit **5110521**

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

Chain with 46 mm roller cleats



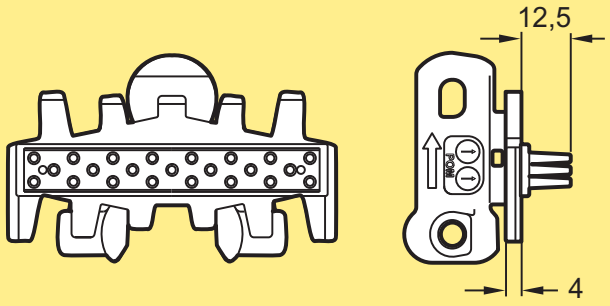
Chain with roller cleats *
Length 5 m **XBTF 5A85×46 R**

**This product is delivered with plain links between the cleats. Use the online configurator to specify and order. Note. This chain requires minimum one plain link between every cleated link.*

Roller cleat link kit ** **5110583**

*** Link kit contains 1 link, 1 pivot, 1 steel pin*

Flexible cleat chain, Type B



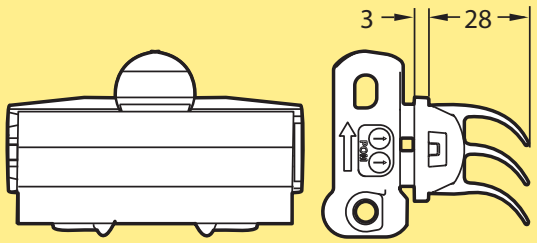
Flexible cleat chain Type B
Length 5 m **XBTE 5A85 B**

** This product is delivered with plain links between the cleats.*

Flexible cleat link kit **5110522**

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

Flexible cleat chain, Type C



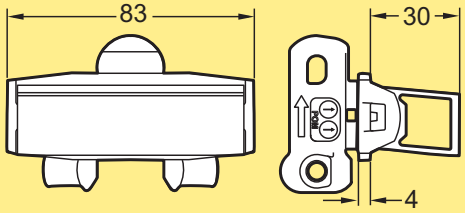
Flexible cleat chain Type C
Length 5 m **XBTE 5A85 C**

Flexible cleat link kit *(link base and flexible cleat top) **5110363**

Flexible cleat top kit (replacement) **5110515**

**Link kit contains 10 links, 10 pivots, 10 steel pins*
***Cleat kit contains 10 flexible cleat tops*

Flexible cleat chain, Type D



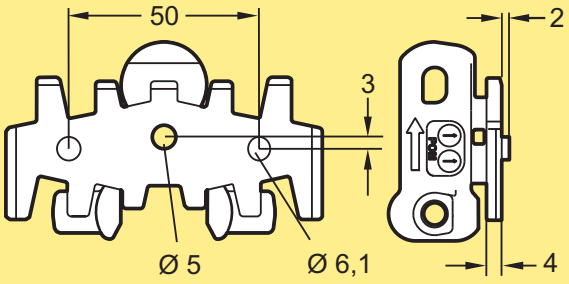
Flexible cleat chain Type D
Length 5 m **XBTE 5A85 D**

Flexible cleat link assembly Type D* (link base and flexible cleat top) **5110582**

Flexible cleat top (replacement) **5056311**

**Link kit contains 10 links, 10 pivots, 10 steel pins*
***Cleat kit contains 10 flexible cleat tops*

Universal chain



Universal chain*
Length 5 m **XBTF 5A85 U**

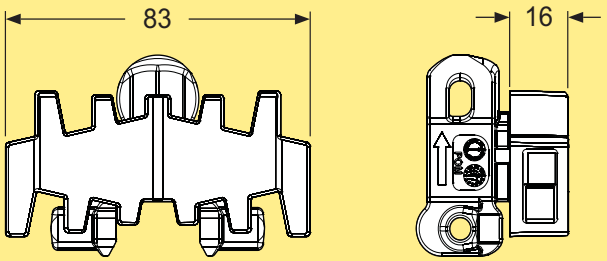
**This product is delivered with plain links between the universal links. Use the online configurator to specify and order.*

The link has a hole for an M5 screw. An M5 nut will fit inside the link.

Universal link kit ** **5110526**

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

V-block chain

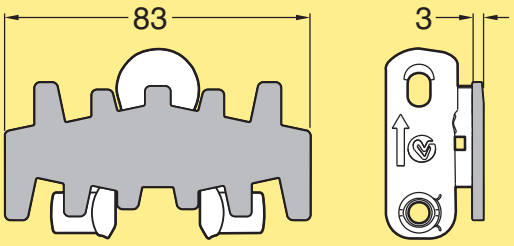


V-block chain
Length 5 m **5110386**

V-block chain kit * **5110577**

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

Steel chain, X85



Steel chain X85
Length 5 m **5056849**

Steel link X85 (spare part, 10 pcs)
Including pins and pivots. **5058301**

Entire top part is electro-zinc-plated hardened steel (700HV1). Bottom part is acetal resin.
Rebuilding instructions are included see page 534.
Modification kits are available. See page 167.

Other chains

See the *Chain guid*e for a selection of other chains.

Chain installation

See “Appendix “D. Chain installation” on page 532 for installation instructions.

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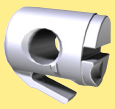
Chain accessories

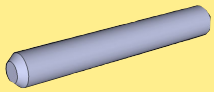
Plastic pivot for chain



Plastic pivot kit **5111169**

Spare parts kit, 25 pcs

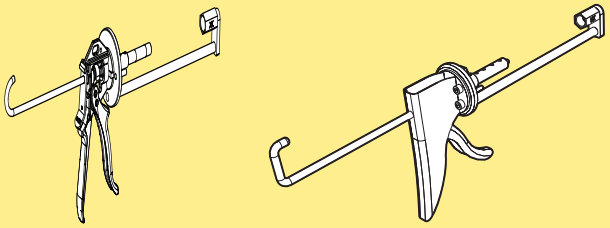
Steel pin for chain



Steel pin kit **5111172**

Spare parts kit, 25 pcs

Pin insertion tool for chain

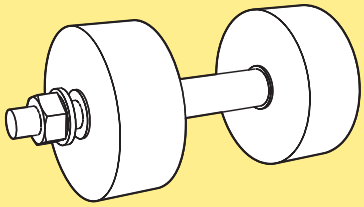


Pin insertion tool
X85-X180/X300 **XMMJ 6**
X85-X180/X300-XH, PRO version* **XBMJ 6 P**

**This tool is recommended for frequent users*

Accessories for use with steel chain 5056849

Rebuilding kit for end drive unit

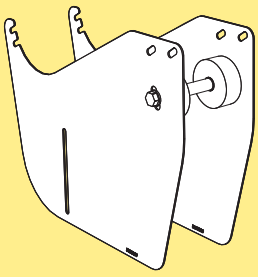


Rebuilding kit for End drive unit H **5058263**

Kit includes support rolls for guidance of chain under the drive unit. Rebuilding instructions are delivered with the chain.

Note. Can only be used for chains without cleats or rollers.

Rebuilding kit for direct drive

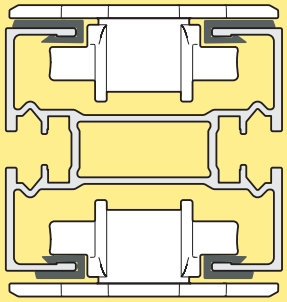


Rebuilding kit for End drive unit H, direct drive **5058269**

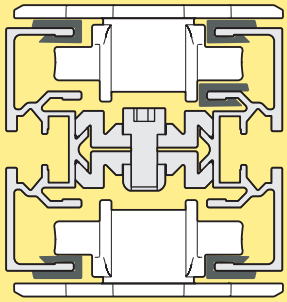
Kit includes support rolls for guidance of chain under the drive unit, and side plates for replacement. Rebuilding instructions are delivered with the chain.

Beam design

The X85 beams are designed for rigidness, smooth running, high speeds and low noise. Features include a flat top surface and heavy duty T-slots. The T-slots ensure easy but rigid attachment of accessories such as guide rail brackets.



Cross-section of straight section conveyor beam with wide slide rails



Cross-section of plain bend with narrow slide rails on the top and an extra slide rail in the inner part of the bend.

Slide rail

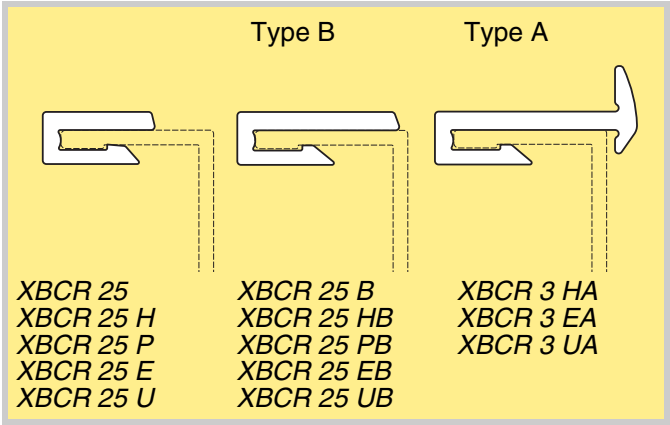
The slide rails are designed for long service life, smooth running, low elongation and minimized risk of failure. They feature increased wear surface thickness. Several options exist for high performance operation. Slide rail types include

- Standard
- Type U – low friction
- Type P – high resistance to chemicals
- Type H – high wear resistance
- Steel for ultra high wear resistance
- ESD – conductive – dissipative for applications sensitive to static electricity

Very high speeds: see *Engineering guidelines* or contact FlexLink Systems for more information.

Three slide rail profiles

Slide rails are available in three profile designs: standard, wide, and wide with guidance.



Normally the wide slide rail (type B) is used. For light loads, and in bends, the narrow width slide rail is suitable. The slide rail with a side flange (type A) improves appearance and protection.

Slide rails in bends

Special instructions apply for installation of plastic slide rail in bends. Such instructions are included with the delivery. The wide slide rails (type A and B) are not suitable for use in bends.

Slide rail in hardened steel

Slide rails in hardened steel are used in applications where abrasive particles occur. Such slide rails cannot be bent, and are attached on the top of the conveyor beam using brass or stainless steel rivets. Pre-bent sections for wheel bends are available. See appendix B for installation instructions.

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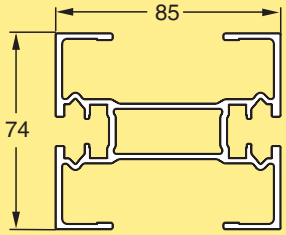
Beams

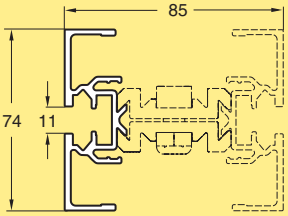
Conveyor beam



Beam
Length 3000 +10/-0 mm **XBCB 3A85**
Length to order (30- 3000 mm) **XBCB LA85**

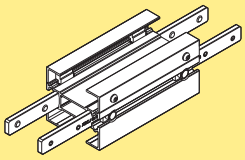
Slide rail: see page 170.
Beam accessories: see below.

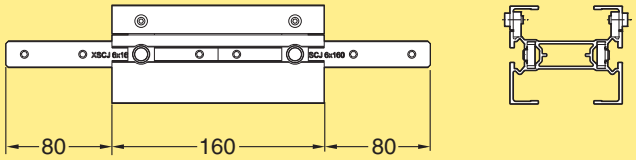
Profile for split conveyor beam



Profile for split conveyor beam
Length 3000 +10/-0 mm **XBCB 3A85 H**
Length to order (30- 3000 mm) **XBCB LA85 H**

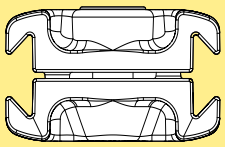
Beam section for chain installation

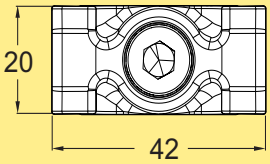




Beam section kit **XBCC 85×160 A**
Including connection strips and screws

Beam clip assembly

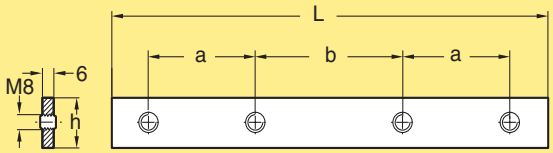




Beam clip assembly **XBCE 42×20 A**
Including M8 screw and locking nut. Use minimum 5 clips per meter. Place clips 100 mm from each end. Note. Contains 10 pcs..

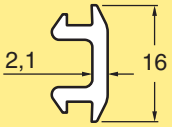
Beam accessories

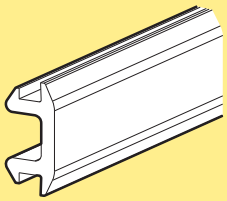
Connecting strip with set screws



Connecting strip with set screws
h=20, a=30, b=50, L=130 **XSCJ 6×130**
h=20, a=44, b=44, L=160 **XSCJ 6×160**
Note. Contains 10 pcs.

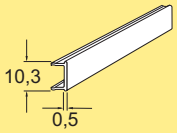
Cover strip for T-slot, PVC





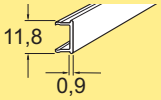
Cover strip for T-slot
Length 25 m
Grey PVC **XCAC 25 P**

Cover strip for T-slot, PVC



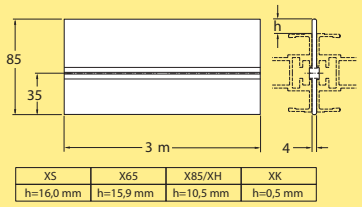
Cover strip for T-slot
Length 3 m
Grey PVC **XCAC 3 P**
Note! Can't be used with bends

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

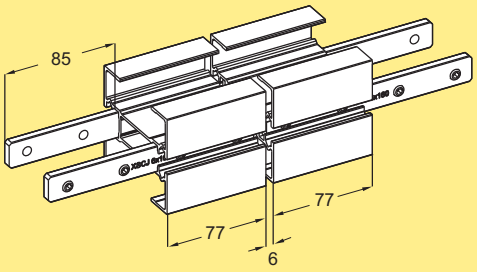
Beam spacer



Beam spacer
Aluminium, anodized
Length 3 m **XLCD 3**

For connection of two conveyor beams side to side. Use M8 screw and slot nut. Two holes must be drilled, one through the spacer (9 mm) and one through the beam, to allow insertion of the screw. The diameter of the second hole depends on the size of the screw head.

Articulated beam section

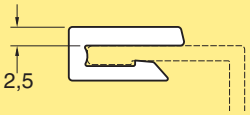


Articulated beam section vertical **XBCH 5A85 V**

Vertical beam adjustment, maximum ±5°.

Slide rails

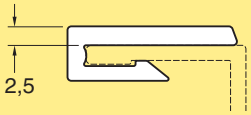
Plastic slide rails, narrow



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**

Plastic slide rails, wide

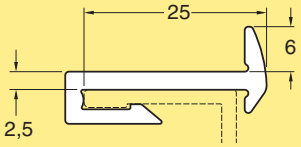


Slide rail
Length 25 m

HDPE (Black)	**XBCR 25 B**
PA-PE (Grey)	**XBCR 25 HB**
PVDF (Natural white)	**XBCR 25 PB**
PE-UHMW (White)	**XBCR 25 UB**
PE-UHMW conductive (Black)	**XBCR 25 EB**

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

Plastic slide rails, wide with guidance

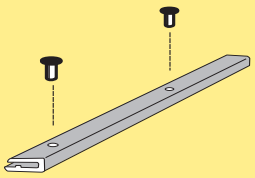


Slide rail
Length 3 m

PA-PE(Grey)	**XBCR 3 HA**
PE-UHMW (White)	**XBCR 3 UA**
PE-UHMW conductive (Black)	**XBCR 3 EA**

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

Aluminium rivets for anchoring of slide rail

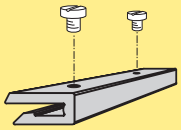


Aluminium rivets 4 mm for XK-X180/X300 conveyors, brown **XLAH 4×7**

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..

 © FlexLink 2026

Plastic screws for anchoring of slide rail

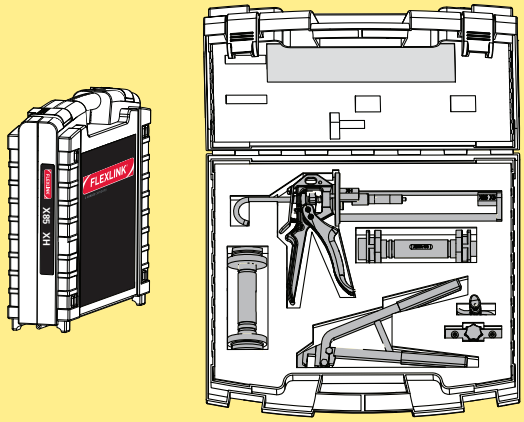


Plastic screws 5 mm **XLAG 5**

Only intended for use with low slide rail in plain bends. Extra slide rail in plain bends must be anchored using plastic screws due to lack of space for the rivet crimping tool.
Note. Contains 50 pcs.

See mounting instruction "Anchoring slide rail using plastic screws" on page 528

Toolbox for assembly and maintenance (X85, XH)

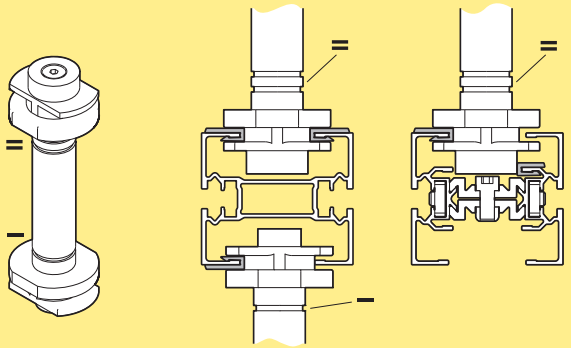


Toolbox **FLX1007288**

Contains:

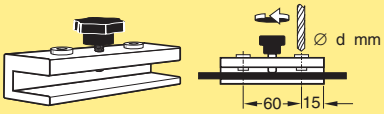
Pin insertion tool (chain)	**XBMJ 6 P**
Mounting tool (X85)(slide rail)	**XBMR 170**
Mounting tool (XH) (slide rail)	**XHMR 200**
Rivet crimping pliers 4 mm (slide rail)	**5051395**
Rivet crimping clamp 4 mm (slide rail)	**3923005**
Drill fixture 4 mm (slide rail)	**3920500**

Mounting tool for slide rail



Mounting tool for slide rail **XBMR 170**

Drill fixture for slide rail

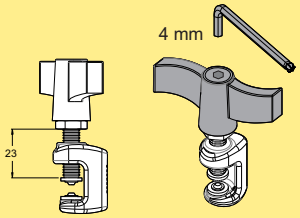


Drill fixture for slide rail
d=4,2 mm **3920500**

Rivet crimping pliers

Rivet crimping pliers
For 4 mm rivets **5051395**

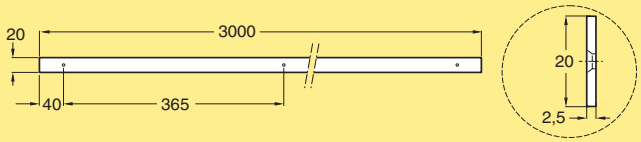
Rivet crimping clamp



Rivet crimping clamp
For 4 mm rivets
(Allen key not included) **3923005**

Slide rail in hardened steel

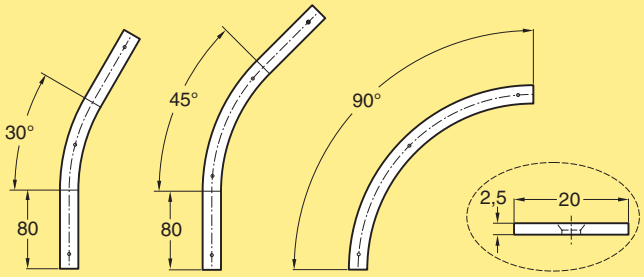
Steel slide rail, straight



Slide rail, hardened steel
Length 3 m **XBCR 3 TH**

Delivered with 9 predrilled holes

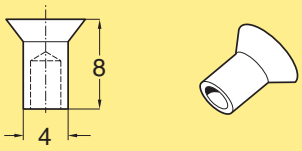
Steel slide rail for wheel bends



Slide rail for bends, hardened steel
Slide rail for bend, 30° **XBCR W30 TH**
Slide rail for bend, 45° **XBCR W45 TH**
Slide rail for bend, 90° & 180° **XBCR W90 TH**

180°: Use 2 pieces of steel slide rail 90°

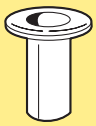
Brass rivets



Brass rivets (100 pcs) **5056167**

Rivets for anchoring the slide rails

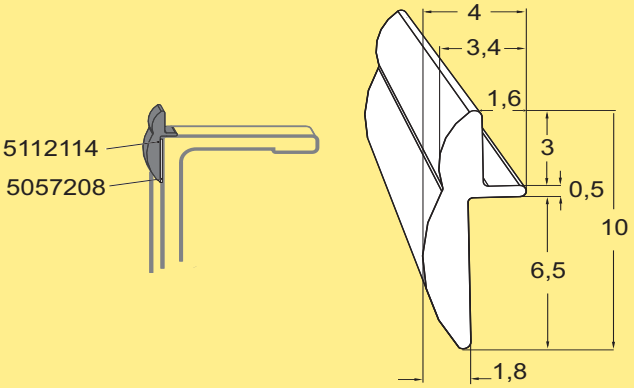
Stainless steel rivets



Stainless steel rivet, 4 mm **XLAHX 4×6**

Rivet for anchoring the slide rails. Contains 10 pcs.0. Note. Do not use in applications where metal chips might get stuck in the hole in the rivet.

Cover strip



Cover strip
Length: 3 m
Material: Plastic PA 12 **5112114**

Cover the opening on the side between the chain and beam. Primarily for straight sections and the outer curves, but can also be mounted on inner curves. Apply using Glue tape 5057208, see mounting instruction 5497EN in Technical library.

Glue tape 3M

Glue tape
Length 30 m **5057208**

 © FlexLink 2026

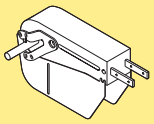
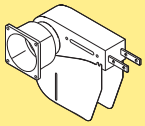
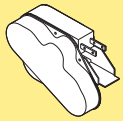
Drive unit types

The X85 system includes Compact (**C**), Medium (**M**), and Heavy (**H**) drive units. Drive unit capacities range from maximum 1250 N for the H types down to maximum 300 N for the C types. The actual capacity depends on the speed and type of drive unit.

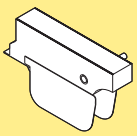
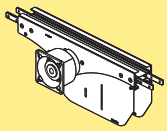
Several configurations are available, including direct driven units with or without slip clutch. Heavy duty drives with suspended motor and transmission chain can also be ordered.

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

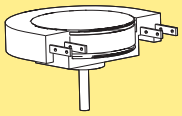
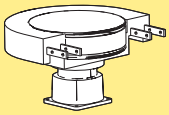
End drive units

Size	Direct drive, no slip clutch	Direct drive, slip clutch	Suspended motor, transmission chain, slip clutch
			
Compact	**F**	**–**	**–**
Medium	**F, V**	**–**	**–**
Heavy	**F, V**	**F, V**	**F**
Heavy, guided	**F, V**	**F, V**	**–**

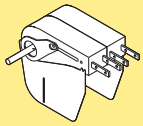
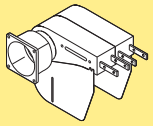
Intermediate drive units

Size	Direct drive, no slip clutch	Direct drive, slip clutch
		
Medium	**F, V**	**F, V**

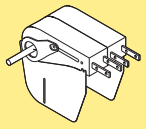
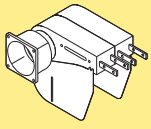
Wheel bend drive units

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

Double drive units

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

End drive unit, guided chain

Size	Direct drive, no slip clutch	Direct drive, slip clutch
		
Heavy	**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.

Idler unit types

Idler units are available in two versions, Compact and Heavy.

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.

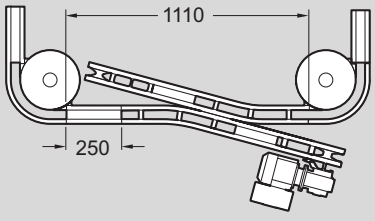
Dimension

Note that dimensions relating to drive unit motors depend on the motor specified during the configuration.

Dimension limits – in-line transfer drive units (X-bends)

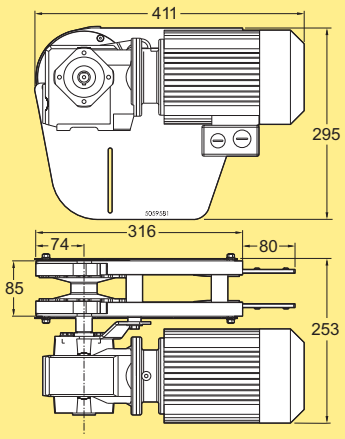
The dimensions of an in-line drive unit impose restrictions with regard to conveyor geometry. The idler part of the drive unit may interfere with other parts of the conveyor. The figure shows a typical case, showing typical minimum dimensions.

Also note the special support arrangements for in-line transfer units. See page 182.



End drive units, type H, direct drive

End drive unit type H, direct drive, no slip clutch



End drive unit
Direct drive. No slip clutch.
Maximum traction force: up to 1250 N.
Fixed speeds up to 60 m/min.
Variable speed up to 120 m/min.

Motor on left side:

Fixed/variable speed *	**XBEB A85**
Without motor	**XBEB 0A85HNLP**

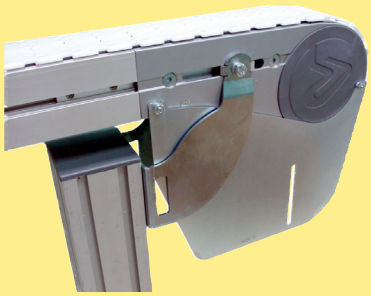
Motor on right side (not shown):

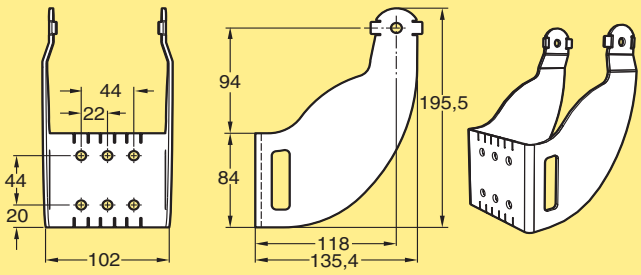
Fixed/variable speed *	**XBEB A85**
Without motor	**XBEB 0A85HNRP**

**Use online configurator when ordering.*

Effective track length: 0,80 m

Support bracket for HNLP/HNRP drive units

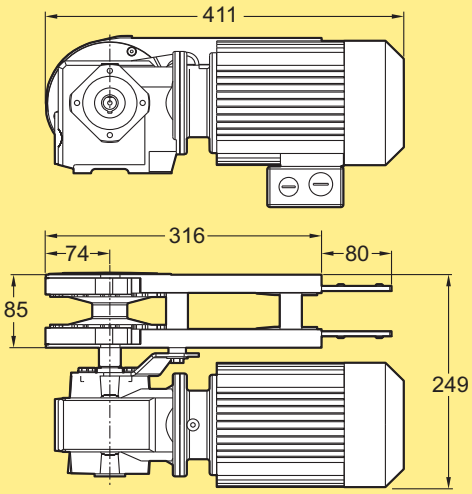




Support bracket kit **5111370**

Including screw kit: 6 each of M6S M8×12, BRB 8.4×16, XCAN 8.

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 63 m/min.
Variable speed up to 63 m/min.

Motor on left side:

Fixed/variable speed *	**XBEB A85**
Without motor	**XBEB 0A85HNLGP**

Motor on right side (not shown):

Fixed/variable speed *	**XBEB A85**
Without motor	**XBEB 0A85HNRGP**

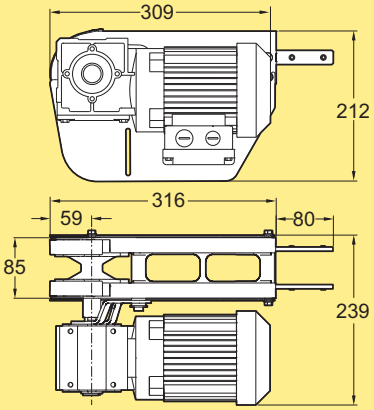
**Use online configurator when ordering.*

Effective track length: 0,80 m

 © FlexLink 2026

End drive units, type M, direct drive

End drive unit, type M, direct drive, no slip clutch



End drive unit
Direct drive. No slip clutch.
Maximum traction force: up to 800 N.
Fixed speeds up to 60 m/min.
Variable speed up to 60 m/min.

Motor on left side:

Fixed/variable speed *	XBEB A85
Without motor	**XBEB 0A85MNLP**

Motor on right side (not shown):

Fixed/variable speed *	XBEB A85
Without motor	**XBEB 0A85MNRP**

** Use online configurator when ordering.*

Effective track length: 0,70 m

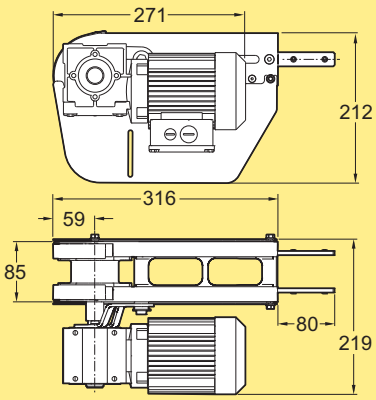
Guide wheel kit

Guide wheel for drive units **5055635**

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, type C, direct drive

End drive unit type C, direct drive, no slip clutch



End drive unit
Direct drive. No slip clutch
Maximum traction force: up to 300 N.
Fixed speeds up to 35 m/min.

Motor on left side:

Fixed speed *	XBEB A85
Without motor	**XBEB 0A85CNLP**

Motor on right side (not shown):

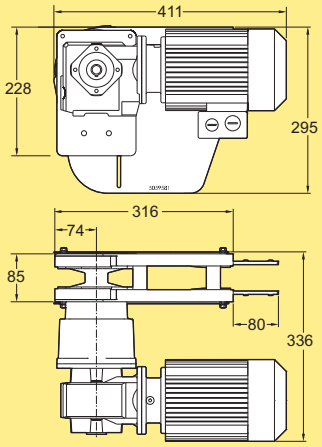
Fixed speed ‘	XBEB A85
Without motor	**XBEB 0A85CNRP**

**Use online configurator when ordering.*
Note. The motors for Compact drive units cannot be reconfigured from star to delta operation.

Effective track length: 0,70 m

End drive units, type H, direct drive, with slip clutch

End drive unit type H, direct drive, slip clutch



End drive unit
Direct drive. Adjustable slip clutch.
Maximum traction force: up to 1250 N.
Fixed speeds up to 60 m/min.
Variable speed up to 120 m/min.

Motor on left side:

Fixed/variable speed *	**XBEB A85**
Without motor	**XBEB 0A85HLP**

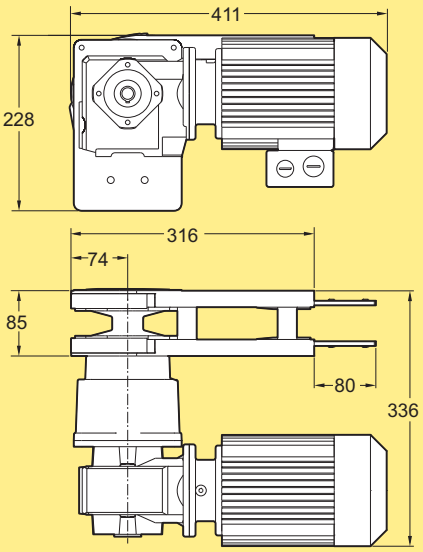
Motor on right side (not shown):

Fixed/variable speed *	**XBEB A85**
Without motor	**XBEB 0A85HRP**

**Use online configurator when ordering.*

Effective track length: 0,80 m

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 63 m/min.
Variable speed up to 63 m/min.

Motor on left side:

Fixed/variable speed *	**XBEB A85**
Without motor	**XBEB 0A85HLGP**

Motor on right side (not shown):

Fixed/variable speed *	**XBEB A85**
Without motor	**XBEB 0A85HRGP**

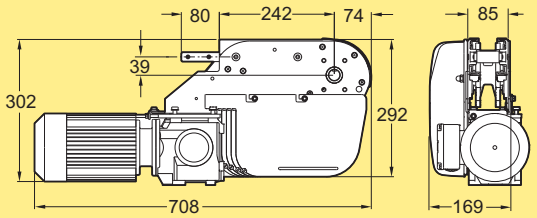
**Use online configurator when ordering.*

Effective track length: 0,80 m

 © FlexLink 2026

End drive units, suspended, with slip clutch

End drive unit type H, suspended motor, slip clutch



End drive unit
Suspended 3-phase motor. Adjustable slip clutch.
Maximum traction force: up to 1250 N.
Fixed speeds up to 60 m/min.

Transmission on left side:

Fixed speed *	**XBEB A85**
Without motor (ISO)	**XBEB 0A85HL**
Without motor (ANSI)	**XBEB 0A85HLA**

Transmission on right side (not shown):

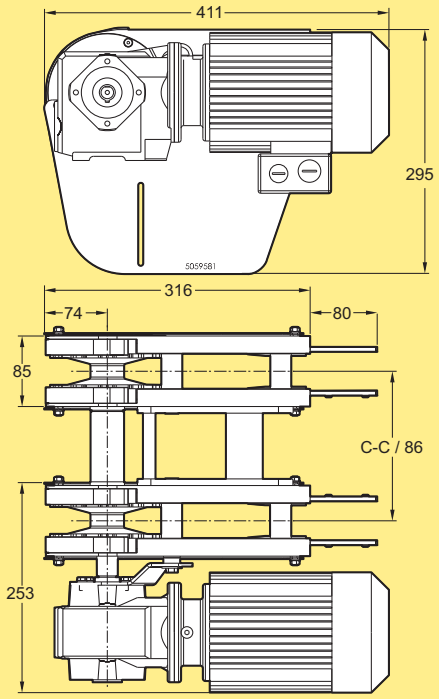
Fixed speed *	**XBEB A85**
Without motor (ISO)	**XBEB 0A85HR**
Without motor (ANSI)	**XBEB 0A85HRA**

**Use online configurator when ordering.*

Effective track length: 0,80 m

Double drive units, direct drive

Double drive unit, type H, no slip clutch



Double drive unit
Direct drive. No slip clutch.
Maximum traction force: up to 1250 N.
Fixed speeds up to 60 m/min.
Variable speed up to 60 m/min.

Motor on left side:

C-C=86 mm
Fixed/variable speed * **XBEB DD A85**
Without motor **XBEB0A85HNLPD86**

C-C=130–350 mm
Fixed/variable speed * **XBEB DD A85**
Without motor **XBEB 0A85HNLPD–****

Motor on right side (not shown):

C-C=86 mm
Fixed/variable speed * **XBEB DD A85**
Without motor **XBEB0A85HNRPD86**

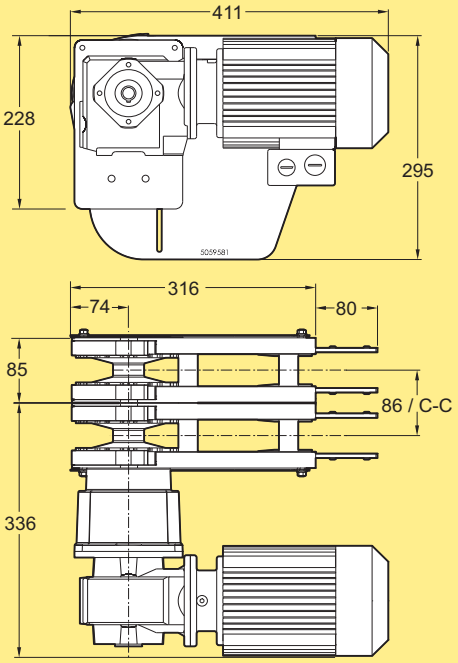
C-C=130–350 mm
Fixed/variable speed * **XBEB DD A85**
Without motor **XBEB 0A85HNRPD–****

**Use online configurator when ordering.*
***Specify C-C when ordering.*
Drawing shows version with customer specified C-C distance.

Effective track length: 0,80 m (each track)

Double drive units, direct drive, with slip clutch

Double drive unit, type H, slip clutch



Double drive unit
Direct drive. Adjustable slip clutch.
Maximum traction force: up to 1250 N.
Fixed speeds up to 60 m/min.
Variable speed up to 60 m/min.

Motor on left side:

C-C=86 mm
Fixed/variable speed * **XBEB DD A85**
Without motor **XBEB 0A85HLPD86**

C-C=130–350 mm
Fixed/variable speed * **XBEB DD A85**
Without motor **XBEB 0A85HLPD–****

Motor on right side (not shown):

C-C=86 mm
Fixed/variable speed * **XBEB DD A85**
Without motor **XBEB 0A85HRPD86**

C-C=130–350 mm**
Fixed/variable speed * **XBEB DD A85**
Without motor **XBEB 0A85HRPD–****

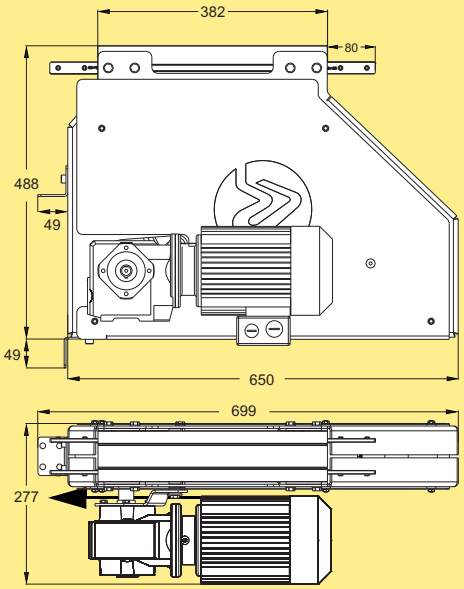
**Use online configurator when ordering.*
***Specify C-C when ordering.*
Drawing shows C-C 86 mm version.

Effective track length: 0,80 m (each track)

 © FlexLink 2026

Intermediate drive unit, type H, direct drive

Intermediate drive unit, type H, no slip clutch



Intermediate drive unit
For standard plain chain only.
Direct drive. No slip clutch.
Maximum traction force: up to 875 N.
Fixed speeds up to 60 m/min.
Variable speed up to 60 m/min.

Motor on left side:

Fixed/variable speed * Without motor	**XBER A85** **XBER 0A85HNLP**

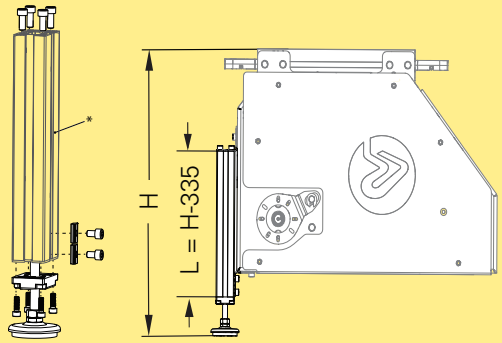
Motor on right side (not shown)

Fixed/variable speed Without motor *	**XBER A85** **XBER 0A85HNRP**

**Use online configurator when ordering*

Effective track length: 2,5m

Leg support for Intermediate drive unit, type H

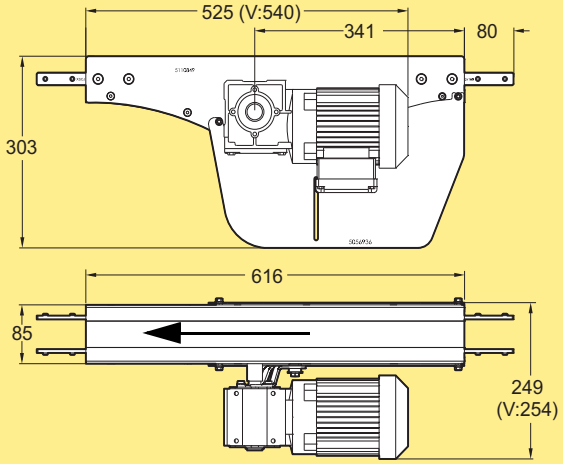


Leg support kit **FLX1008683**

** Note: Beam is not included. Use kit with beam XCBM LX44X64. Min. beam length; 300 mm. Thread top of beam for M8, center threading*

Intermediate drive units, type M, direct drive

Intermediate drive unit, Type M, no slip clutch



Intermediate drive unit
Direct drive. No slip clutch.
Maximum traction force: up to 200 N.
Fixed speeds up to 25 m/min.
Variable speed up to 25 m/min.

Motor on left side:

Fixed/variable speed *	**XBER A85**
Without motor	**XBER 0A85MNLP**

Motor on right side (not shown):

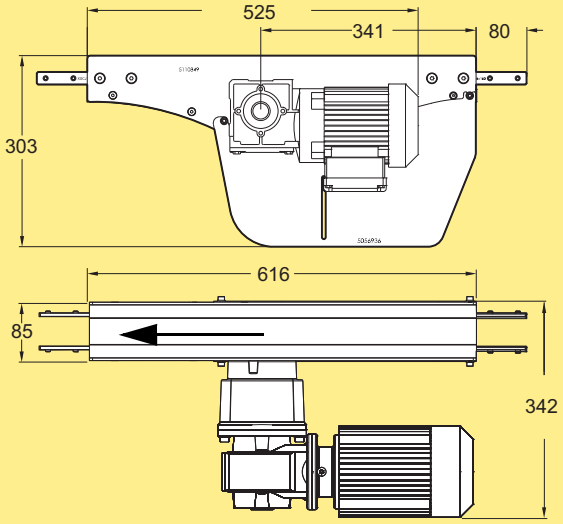
Fixed/variable speed *	**XBER A85**
Without motor	**XBER 0A85MNRP**

**Use online configurator when ordering.*

Effective track length: 1,40 m

Intermediate drive units type M, with slip clutch

Intermediate drive unit, Type M, slip clutch



Intermediate drive unit
Direct drive. slip clutch.
Maximum traction force: up to 200 N.
Fixed speeds up to 25 m/min.
Variable speed up to 25 m/min.

Motor on left side:

Fixed/variable speed *	**XBER A85**
Without motor	**XBER 0A85MLP**

Motor on right side (not shown):

Fixed/variable speed ‘	**XBER A85**
Without motor	**XBER 0A85MRP**

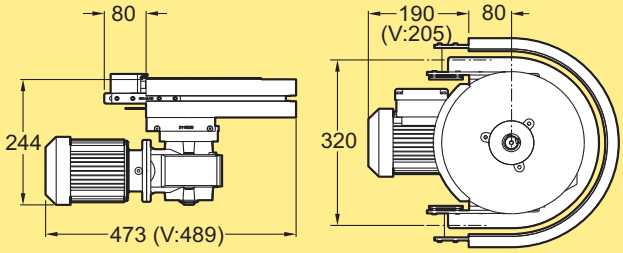
**Use online configurator when ordering.*

Effective track length: 1,40 m

 © FlexLink 2026

Wheel bend drive unit

Wheel bend drive unit, no slip clutch



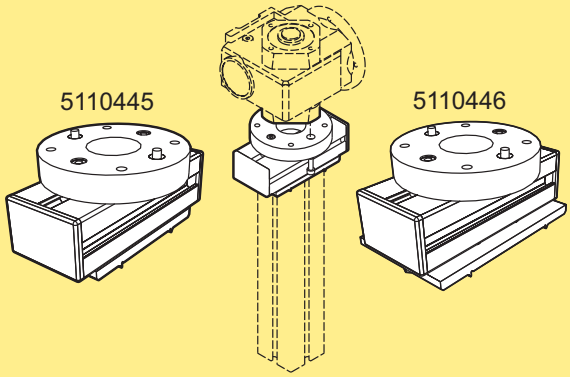
Wheel bend drive unit
Direct drive. No slip clutch.
Maximum traction force: up to 200 N.
Fixed speeds up to 30 m/min.
Variable speed up to 30 m/min.

Fixed/variable speed *	**XBEW A85**
Without motor	**XBEW 18/0A85HNP**

**Use online configurator when ordering.*

Maximum conveyor length: 20 m
Effective track length: 0,65 m

Support adapters for wheel bend drive units



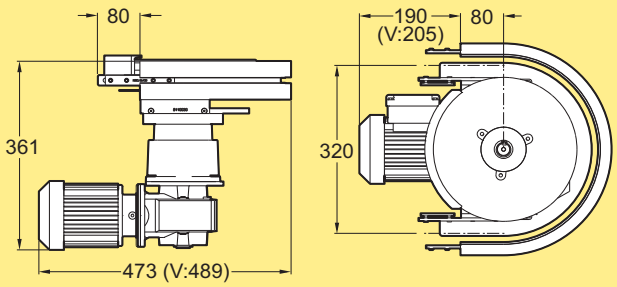
Support adapter for wheel bend drive unit

For support beam XCBM..x64 mm	**5110445**
For support beam XCBM..x88 mm	**5110446**

Including mounting hardware and mounting instructions. Note. XCBL support beams cannot be used.

Wheel bend drive unit, with slip clutch

Wheel bend drive unit, slip clutch



Wheel bend drive unit
Direct drive. Adjustable slip clutch.
Maximum traction force: up to 200 N.
Fixed speeds up to 30 m/min.
Variable speed up to 30 m/min.

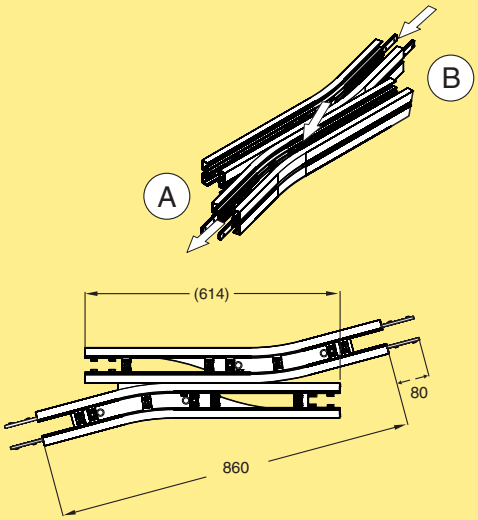
Fixed/variable speed *	**XBEW A85**
Without motor	**XBEW 18/0A85HP**

**Use online configurator when ordering.*

Maximum conveyor length: 20 m
Effective track length: 0,65 m

X-bends

X-bend



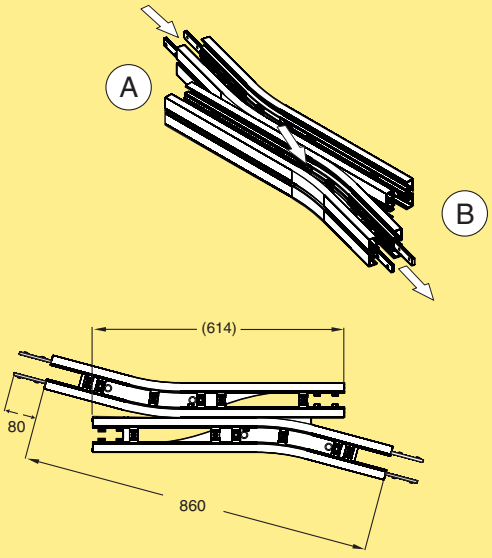
X-bend for top chain

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

XBCX 85 L

Effective track length: 2,1 m
Note! Include a special arrangement for connecting beam support brackets

X-bend



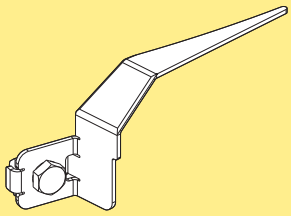
X-bend for top chain

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

XBCX 85 R

Effective track length: 2,1 m
Note! Include a special arrangement for connecting beam support brackets

Cover plate



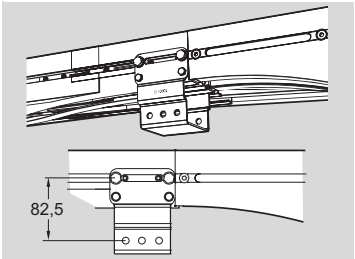
Cover plate **5113482**

Note! To avoid pinch points add cover plate in X-bends when using XBTP 5A85 K. Assembly inst. 5113535.

Support components for X-bends

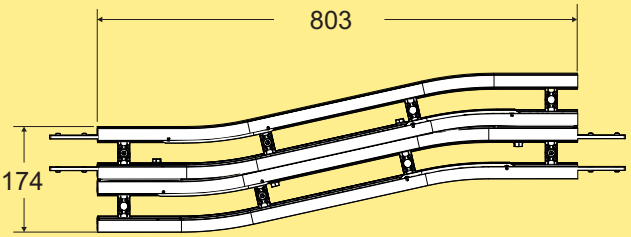
X-bends include a special arrangement for connecting beam support brackets. Instead of connecting the brackets directly to the T-slots in the beams, intermediate U-shaped bracket are used. See figure below.

Support legs to the transfer must be 82,5 mm shorter than other legs connected along the conveyor. Use M6S 8×16 screws instead of XLAT 17 when attaching the beam support bracket to the U-shaped brackets. Read more about beam support brackets on page 337.



S-Transfer

S-Transfer



S-transfer for return chain for X85

XBCY A85 D

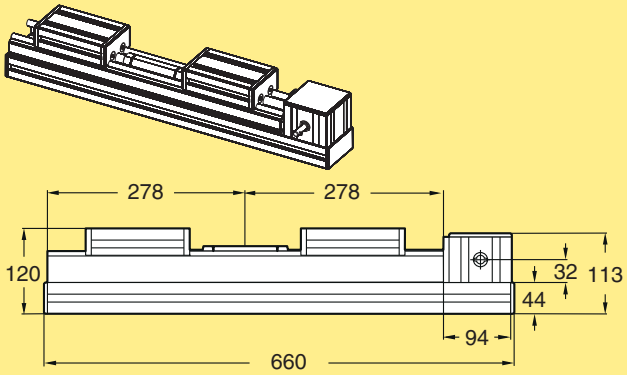
Effective track length: 3,2 m

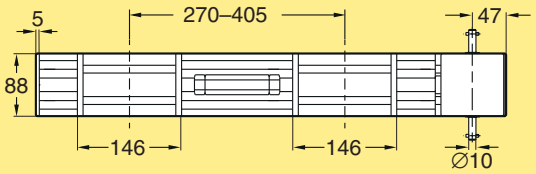
 © FlexLink 2026

Components for wedge track width adjustment

Note. “Length 3 m” aluminium products are cut to 3000 mm ± 5 mm.

Width adjustment actuator 660 mm

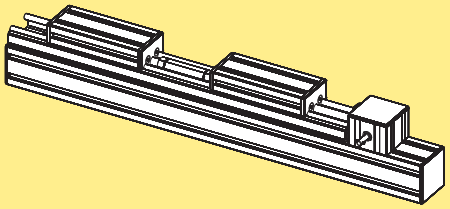


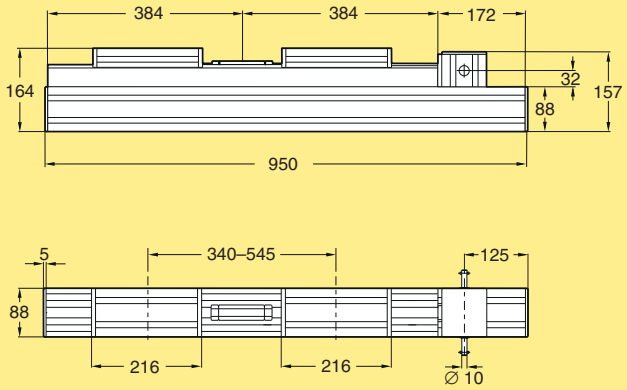


Width adjustment actuator **XCLA 660 A**

Including beam and angle gear unit

Width adjustment actuator 950 mm

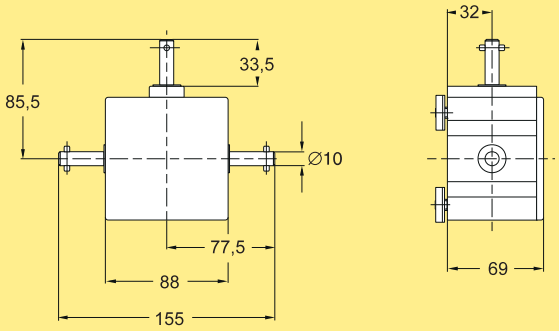




Width adjustment actuator **XCLA 950 A**

Including beam and angle gear unit

Angle gear unit



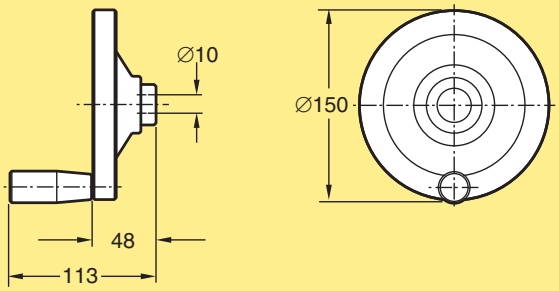
Angle gear unit **XCFW 90**

Shaft

Shaft
Aluminium, anodized
Length 3 m **XLFX 3**

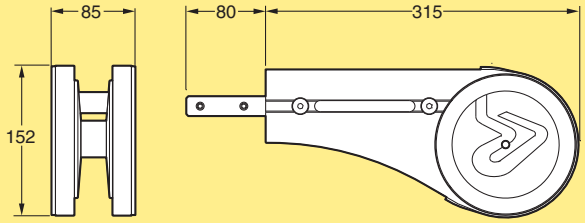
The shaft is used to connect angle gear units XCFW 90 to synchronize adjustment of the track width. Use XLAP 28 spring pins to secure the shafts axially.

Handwheel for 10 mm shaft



Handwheel for 10 mm shaft **XLAW 160×10**

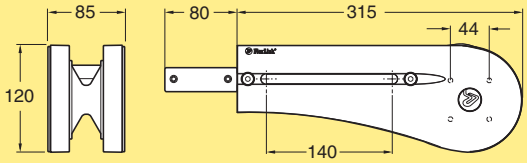
Idler end unit – Heavy



Idler end unit **XBEJ A85**

Effective track length: 0,80 m

Idler end unit – Compact

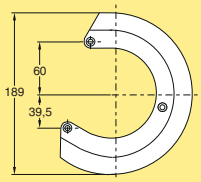


Idler end unit
Compact version **XBEJ A85 S**

Effective track length: 0,70 m

Each side plate has T-slots and four unfinished holes for attachment of accessories.

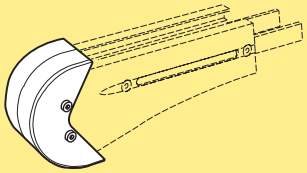
Protective cover for idler end unit H



Protective cover for XBEJ A85 **XMSJ 189**

Suitable for use with standard plain chain and plain chain with closed top.

Protective cover for idler end unit C

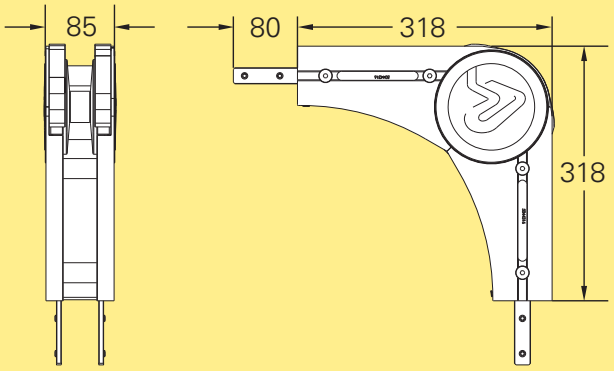


Protective cover for XBEJ A85 S **XMSJ 146**

Suitable for use with standard plain chain (Not to be used with XBTP 5A85 A or XBTP 5A85 K).

Including mounting screws (M8).

Idler bend unit, 90°



Idler end unit **XBEK 90A85**

Effective track length: 0,60 m

Note. Cannot be used with return chain

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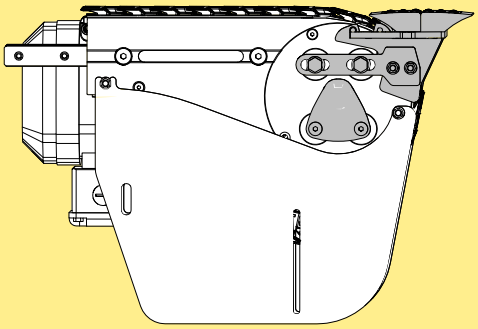
Passive bridge from conveyor to conveyor

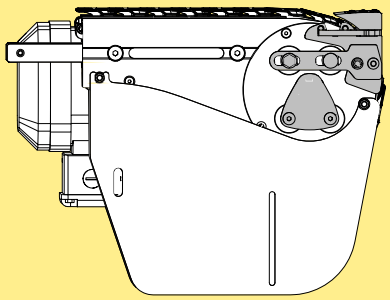


*Passive bridge** **XBNG A85**

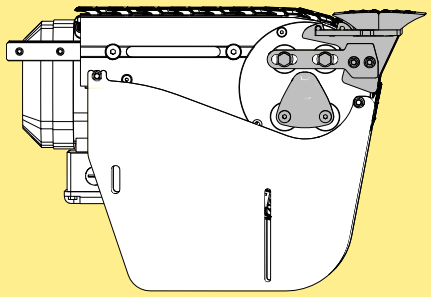
From:	*To:*
Heavy Drive	Heavy Idler
Heavy Drive	Compact Idler
Comp./Med.Drive	Compact Idler
Comp./Med.Drive	Heavy Idler

** Use online configurator when ordering.*

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



(1)



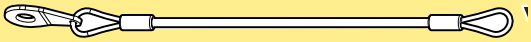
(2)

*Passive bridge**
Single roller (1) or Double roller (2) **XBNG A85**

From:	*To:*
Heavy Drive	External
External	Heavy Idler
Comp./Med. Drive	External
External	Comp./Med. Idler

** Use online configurator when ordering.*

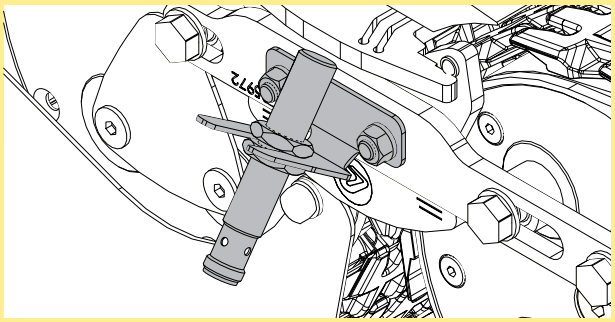
Attachment wire



Wire for attaching roller to holder **FLX1006041**

**Also available as a configuration option through XBNG A85.*

Sensor Kit

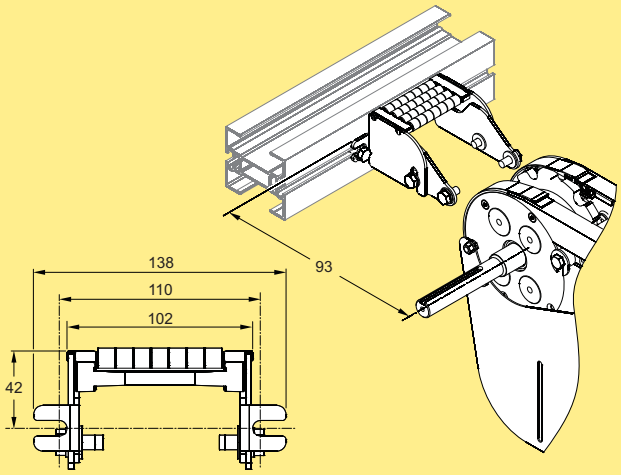


Bridge in position sensor kit
Conveyor to conveyor **FLX1006042**
External to/from Conveyor **FLX1006044**

**Also available as a configuration option through XBNG A85*
Includes: Bracket & PNP sensor (NO), M12xL=70mm, M12 connector. No cables.

**Note*
Bridges can not be used with cleated chain.

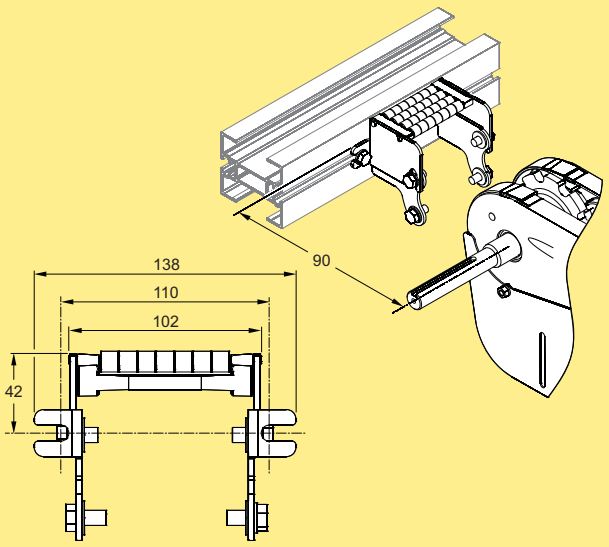
Bridge kit, heavy to beam



Bridge kit X85 to beam **5113517**

Including roller bridge and mounting hardware.
Suitable for connecting H drive units or idlers to beam.

Bridge kit, compact/medium to beam



Bridge kit X85 to beam **5113566**

Including roller bridge and mounting hardware. Suitable for connecting C or M drive units or idlers to beam.

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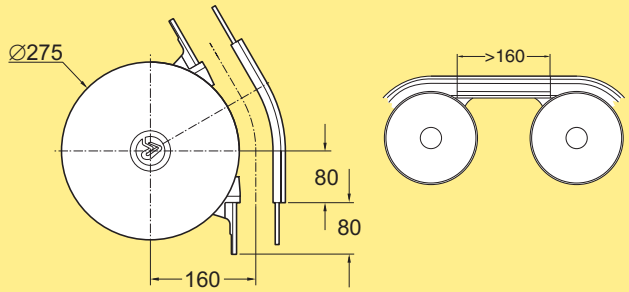
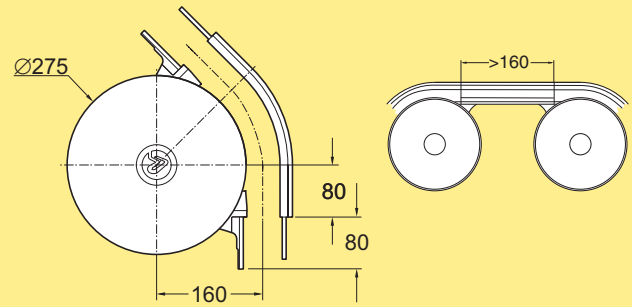
Wheel bend, 30°



Wheel bend, 30° **XBBH 30A85R160**

Effective track length: 0,25 m 1-way (0,50 m 2-way)

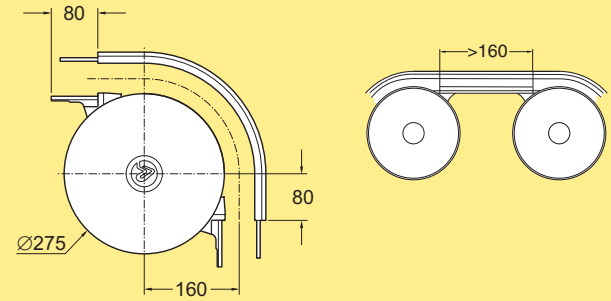
Wheel bend, 45°



Wheel bend, 45° **XBBH 45A85R160**

Effective track length: 0,30 m 1-way (0,60 m 2-way)

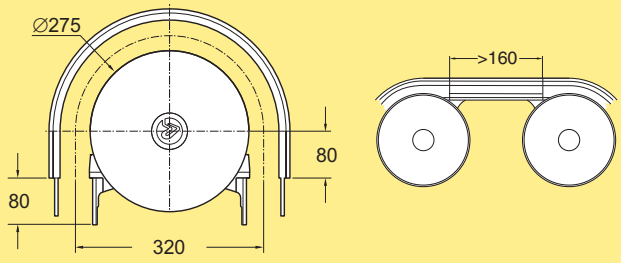
Wheel bend, 90°



Wheel bend, 90° **XBBH 90A85R160**

Effective track length: 0,45 m 1-way (0,85 m 2-way)

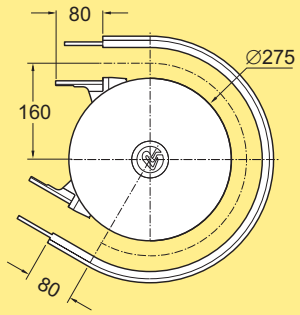
Wheel bend, 180°



Wheel bend, 180° **XBBH 180A85R160**

Effective track length: 0,70 m 1-way (1,35 m 2-way)

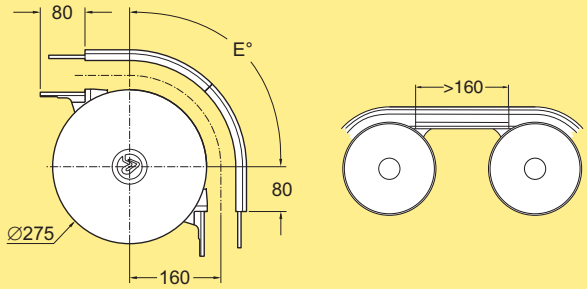
Wheel bend, 210°



Wheel bend, 210° **XBBH 210A85R160**

Effective track length: 0,75 m 1-way (1,50 m 2-way)

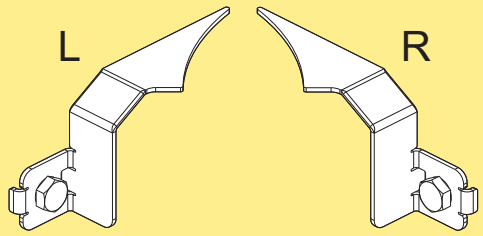
Wheel bend, 30°– 180°



Wheel bend, 30°– 180° **XBBH EA85R160**

The outer bend is cut in the middle to the desired angle and assembled using connecting strips.
The angle "E" must be specified when ordering.

Cover plate

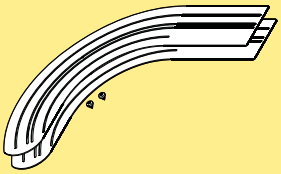


Cover plate, left **5113480**
Cover plate, right **5113481**

Note! To avoid pinch points add cover plate in Wheel bends or Wheel bend drive units when using XBTP 5A85 K. Assembly instructions 5113535.

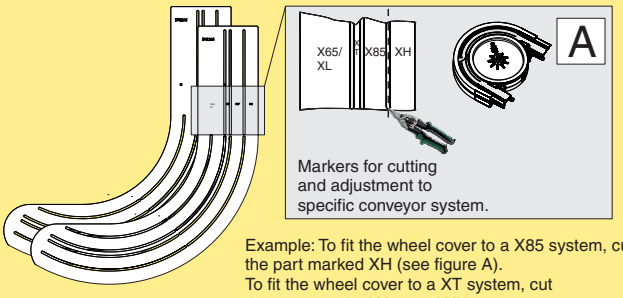
Wheel cover for Wheel bend

Wheel cover for X65/XL, XT, X85, XH



Wheel cover for X65/XL, XT, X85, XH (Including one pair of Wheel cover 5112244 and 2 tap screw ISO 7049 4,2x6,5-C-H-A2K)

5112246



Example: To fit the wheel cover to a X85 system, cut the part marked XH (see figure A).
To fit the wheel cover to a XT system, cut the parts marked X85 and XH.

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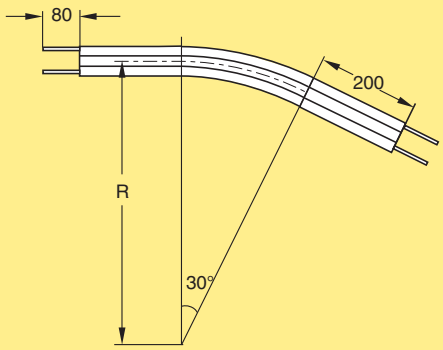
Plain bend, 30°

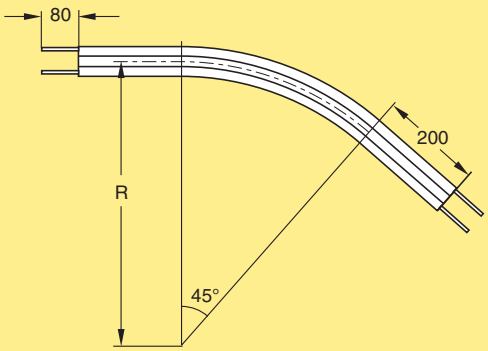


Plain bend, 30°±1°

R=300±10 mm	**XBBP 30A85R3**
R=500±10 mm	**XBBP 30A85R5**
R=700±10 mm	**XBBP 30A85R7**
R=1000±10 mm	**XBBP 30A85R10**

Effective track lengths:
R300: 0,60 m 1-way (1,15 m 2-way)
R500: 0,70 m 1-way (1,35 m 2-way)
R700: 0,80 m 1-way (1,55 m 2-way)
R1000: 0,95 m 1-way (1,85 m 2-way)

Plain bend, 45°

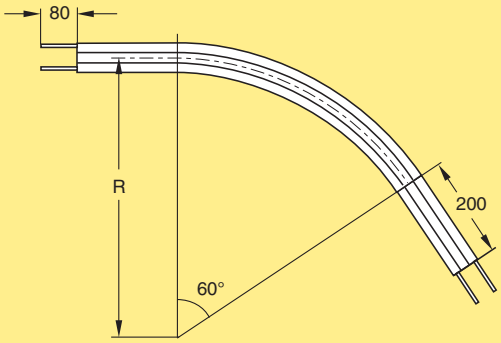


Plain bend, 45°±1°

R=300±10 mm	**XBBP 45A85R3**
R=500±10 mm	**XBBP 45A85R5**
R=700±10 mm	**XBBP 45A85R7**
R=1000±10 mm	**XBBP 45A85R10**

Effective track lengths:
R300: 0,65 m 1-way (1,30 m 2-way)
R500: 0,80 m 1-way (1,60 m 2-way)
R700: 0,95 m 1-way (1,90 m 2-way)
R1000: 1,20 m 1-way (2,40 m 2-way)

Plain bend, 60°

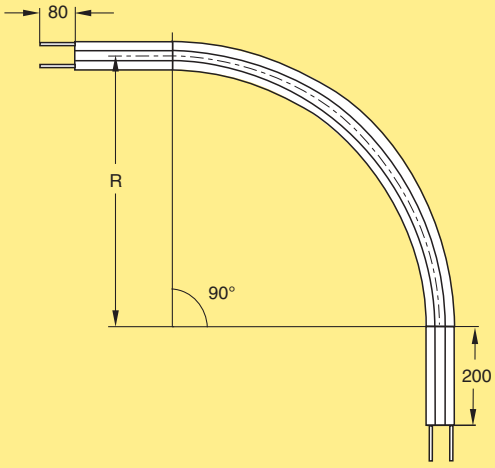


Plain bend, 60°±1°

R=500±10 mm	**XBBP 60A85R5**
R=700±10 mm	**XBBP 60A85R7**
R=1000±10 mm	**XBBP 60A85R10**

Effective track lengths:
R500: 0,95 m 1-way (1,85 m 2-way)
R700: 1,15 m 1-way (2,30 m 2-way)
R1000: 1,45 m 1-way (2,90 m 2-way)

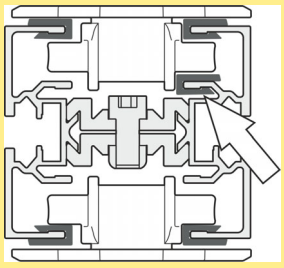
Plain bend, 90°



Plain bend, 90°±1°

R=300±10 mm	**XBBP 90A85R3**
R=500±10 mm	**XBBP 90A85R5**
R=700±10 mm	**XBBP 90A85R7**
R=1000±10 mm	**XBBP 90A85R10**

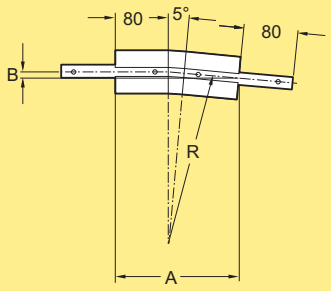
Effective track lengths:
R300: 0,90 m 1-way (1,75 m 2-way)
R500: 1,20 m 1-way (2,40 m 2-way)
R700: 1,50 m 1-way (3,00 m 2-way)
R1000: 2,00 m 1-way (3,95 m 2-way)



Cross-section of plain bend with narrow slide rails on the top and an extra slide rail in the inner part of the bend.

Vertical bends

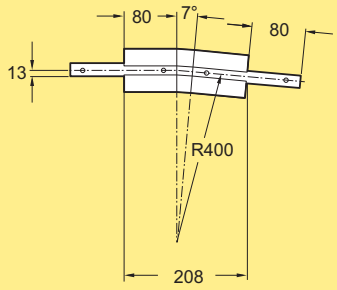
Vertical bend, 5°



Vertical bend, 5°
R=400, A=195, B=9 **XBBV 5A85R4**
R=750*, A=225, B=10 **XBBV 5A85R750**

Effective track lengths:
R400: 0,20 m 1-way (0,40 m 2-way)
R750: 0,25m 1-way (0,50 m 2-way)*
**Note! Combination molded Vertical bend-Wheel bend is not possible.*

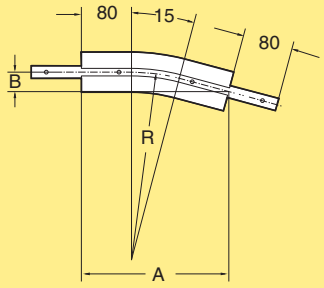
Vertical bend, 7°



Vertical bend, 7° **XBBV 7A85R4**

Effective track length: 0,25 m 1-way (0,45 m 2-way)

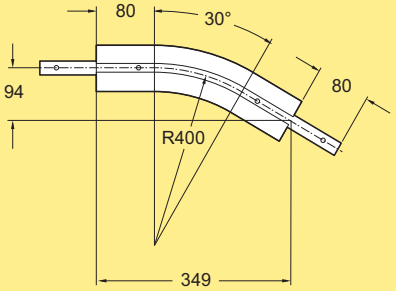
Vertical bend, 15°



Vertical bend, 15°
R=400, A=261, B=34 **XBBV 15A85R4**
R=750*, A=351, B=46 **XBBV 15A85R750**

Effective track length:
R=400: 0,30 m 1-way (0,55 m 2-way)
R=750: 0,40 m 1-way (0,75 m 2-way)*
**Note! Combination molded Vertical bend-Wheel bend is not possible.*

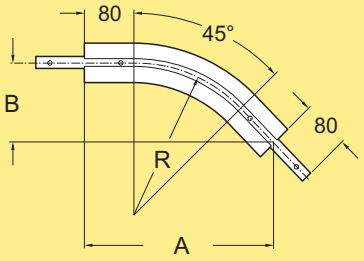
Vertical bend, 30°



Vertical bend, 30° **XBBV 30A85R4**

Effective track length: 0,40 m 1-way (0,75 m 2-way)

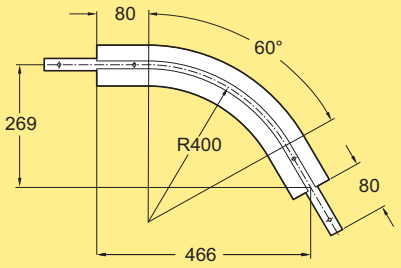
Vertical bend, 45°



Vertical bend, 45°
R= 400, A=419, B=174 **XBBV 45A85R4**
R=1000, A=844, B=349 **XBBV 45A85R10**

Effective track length:
R400: 0,50 m 1-way (0,95 m 2-way)
R1000: 1,00 m 1-way (1,90 m 2-way)

Vertical bend, 60°

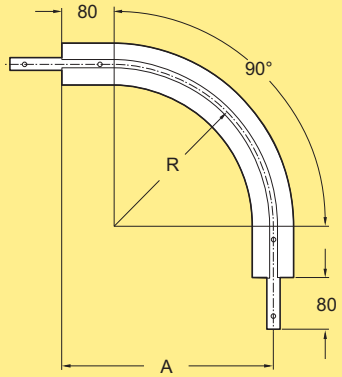


Vertical bend, 60° **XBBV 60A85R4**

Effective track length: 0,65 m 1-way (1,20 m 2-way)

 © FlexLink 2026

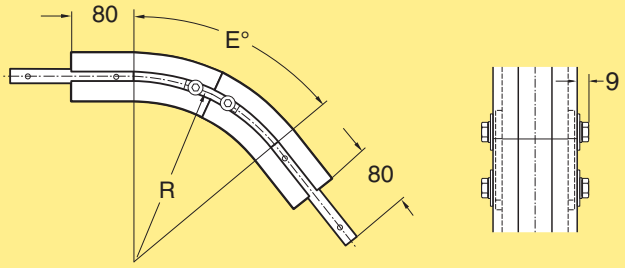
Vertical bend, 90°



Vertical bend, 90°
R= 400, A= 480 **XBBV 90A85R4**
R=1000, A=1080 **XBBV 90A85R10**

Effective track length:
R400: 0,85 m 1-way (1,60 m 2-way)
R1000: 1,80 m 1-way (3,50 m 2-way)

Vertical bend, 5°–90°

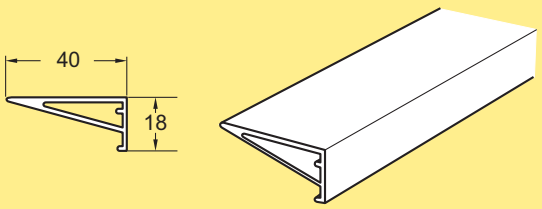


Vertical bend, 5°–90°
R=400 **XBBV EA85R4**
R=1000 **XBBV EA85R10**

The bend is cut in the middle to the desired angle and assembled using connecting strips.
The angle "E" must be specified when ordering.

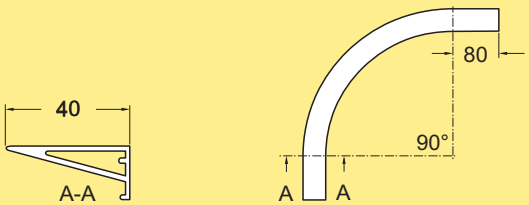
Angle plates

Angle plate, straight



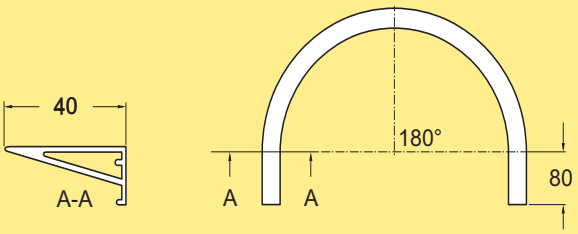
Angle plate
Length 3 m **XHRP 3**

Angle plate for 90° bend



Angle plate for 90° bend
Used with XMBH 90R160
Inner radius 202,5 mm **XMRM 90**

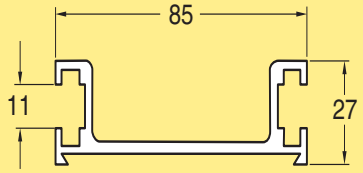
Angle plate for 180° bend



Angle plate for 180° bend
Used with XMBH 180R160 and XMEW 180/5 H
Inner radius 202,5 mm **XMRM 180**

Front piece

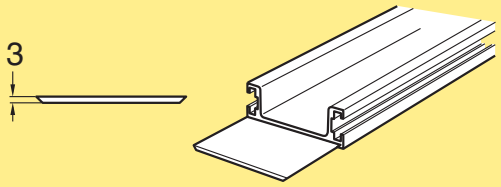
Front piece



Front piece
Length 3 m

XMVF 3

Sliding strip for front piece

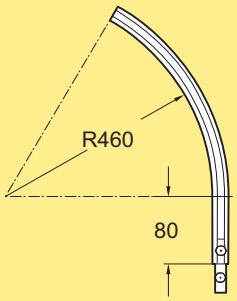


Sliding strip for front piece
Length 2 m

XMVG 2

The sliding strip must be anchored to the front piece. Rivets and tools for anchoring: see page 106.

Front piece upper bend

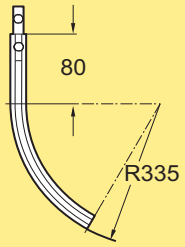


Upper bend, 60°

XMVA 60R460

Includes connecting strip with screws

Front piece lower bend

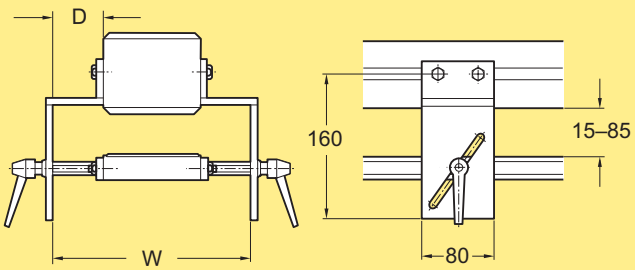


Lower bend, 60°

XMVB 60R335

Includes connecting strip with screws

Linkage kit for front piece

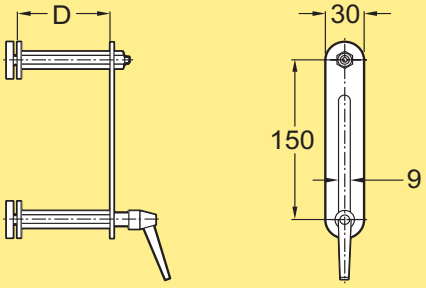


Linkage kit
W=170, D=43
W=270, D=93

XHVK 43
XHVK 93

Kit consists of two support pairs.

Bend support for front piece



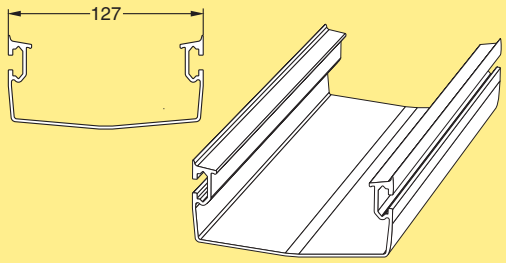
Bend support
D=43 mm
D=93 mm

XHVS 43
XHVS 93

 © FlexLink 2026

Drip trays

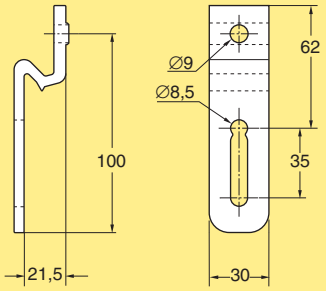
Drip tray



Drip tray
Length 3 m

XMDT 3×127 B

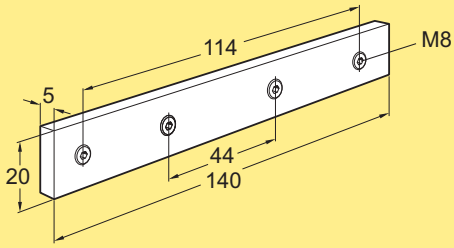
Drip tray bracket



Drip tray bracket

XLDB 21×100

Connecting strip



Connecting strip with set screws

XLCJ 5×140

Note. Contains 10 pcs.

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