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Patents

Essential parts of the FlexLink product range are protected by patents and design regulations. Drawings are made to European standards.
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The product range

FlexLink’s products

Conveyor systems
FlexLink’s conveyor is based on a conveyor beam in aluminium or stainless steel, with low friction slide rails guiding a plastic multi-flexing chain. Products to be conveyed travel directly on the conveyor, or on puck/pallets/carriers. Weights range from a few grams up to 30 kg in many shapes.

Pallet systems
The pallet systems are based on FlexLink’s conveyors with product carrier sizes from 100×128 mm up to 640×640 mm. Standard solutions like locating stations, diverters and elevators together with our range of linear units, frameworks and enclosures, ensure efficient, high quality installations and systems.

Other FlexLink products

PCB handling
FlexLink’s printed circuit board handling platform provides high quality, reliable solutions. These high throughput modules provide transport, product buffering/accumulation, and a full range of handling and routing alternatives.

Tissue handling
Support through the whole paper converting process: conveying, elevating, turning, rejecting, diverting, combining and collating products, from cores via naked tissue to finished packs, bags and bundles.
An automated product flow

The automation of your production flow means that you can leverage on the investment in product development, buildings, machinery and operators' competence.

Today's manufacturing environment has to cope with instantly changing market demand, frequent product changes, tight cost frames, global competition and minimization of risk.
Component manufacturing
The ground floor includes two sequential lines for component manufacturing, finished product packaging and a final palletizer. FlexLink’s conveyors serve the machines and include transfer lines, buffers, elevators, lowerators, diverters, and merge stations.

Software and training
The entire plant is supervised by an overall on-line control system which takes care of order handling and production control. The training of operators is facilitated by customized training programs.
Applications

Automatic machinery for gear wheels

Chute for quick and efficient lowering

Inhalator packaging and filling line

Tray packaging

Multi-functional wedge conveyor for cosmetic bottles

Highway and satellite concept
Applications (continued)

- Repair line
- Hygienic filling line
- Printed circuit board assembly line
- Assembly system
- In-line case elevation
- Production software
Portal for simplified engineering and business

Increase your efficiency when planning, purchasing, building, installing, running and servicing automation solutions based on FlexLink’s products. FlexLink’s homepage, www.flexlink.com, offers in-depth technical information and My FlexLink, the portal for online ordering and engineering tool updates. Please navigate through the different sections of the site and find out how it can simplify your next automation installation.

Catalogues and other technical information

- General catalogues
- Technical bulletins
- Spare parts catalogues
- Technical information regarding drive units and chains.

Engineering guidelines

Basic engineering guidelines and guidelines regarding specific applications.

Helpdesk

Fill in a form to get in contact with the customer support team.

My FlexLink

Online Store

- Quick and simple ordering
- Price and availability
- Import a product list generated from Configura or FlexCAD NG
- Configure modules
- Order archive

Engineering tools

- Design tool, Configura
- Add on to AutoCAD, FlexCAD NG (available from the local SU)
- Tools for calculation of chain tensions
- CAD blocks

Register now

Register now for your access to My FlexLink at www.flexlink.com.
Product Overview

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“Product Transfer” on page 13 (PT)

Roller bridges for product transfer

Features
The static roller bridge system provides a very flexible way to assist in the transfer of product on conveyors in a production line.

Transfer unit for Spiral elevator

Features
The Transfer unit is designed to provide assistance in transferring product onto or off a standard Spiral Elevator.

Driven conveyor transfer

Features
FlexLink offers a range of inline pre-built driven conveyor transfers for the drive of products when feeding between conveyor drive and idler, conveyor drive and machine, and idler unit and machine.

Product rotation unit

Features
FlexLink offers a range of pack rotation units. The unit allows a range of product sizes up to a maximum of 400 packs per minute to be rotated, clockwise or anticlockwise.

“Product Guiding Solution” on page 61 (PGS)

Manual adjustable guiderails system for quick product changeovers

Features
The manual adjustable guiding system provides a very flexible way to add fast width adjustment for conveyors in a production line. The system offers fast and easy resetting of product guiding systems in production flows. The effect is increased line efficiency and safe product distribution throughout the line.

Vertical Gate Conveyor mechanism

Features
The vertical gate mechanism is designed to allow access through a conveyor system for movement of personnel and materials when access and floor space is limited, and normal access routes are unavailable.

Horizontal Gate Conveyor mechanism

Features
The horizontal gate mechanism is designed to allow access through a conveyor system for movement of personnel and materials when access and floor space is limited, and normal access routes are unavailable.

“Conveyor Access Solution” on page 73 (CAS)
Special Drip tray for Plain and non standard Vertical bends

A wide stainless steel drip tray solution

Adjustable foot assembly

Features
FlexLink offers a range of horizontal & vertical stainless steel drip trays. The drip tray is designed for horizontal conveyor bends. The trays integrate to the existing standard drip tray design.

Features
FlexLink offers wide stainless steel drip trays for use in handling oily or wet components. The tray has increased width for wider handled products.

Features
FlexLink offers two height adjustment die cast feet for the levelling and alignment of conveyor support legs. The unit allows fine tuning of the support leg position via foot adjustment.

Chain washer and dryer unit

Chain Washing unit

Open idler unit

Metal detector conveyor section

Features
The chain washing unit is designed to run continuously when working with production lines that have a high degree of product spillage. The result is a cleaner and dryer chain that allows longer production runs without the need for CIP or routine maintenance.

Features
The inline chain washing unit is designed to run continuously when working with production lines that have a high degree of product spillage. The result is a cleaner chain that allows longer production runs without the need for CIP or routine maintenance.

Features
FlexLink offers a range of open idler units for use in dusty/harsh environments. The open faces of the idler allow dust and debris built up during running the conveyor system to be removed from the conveyor at a convenient point.

Features
FlexLink offers a range of inline metal detector conveyor sections where the detection of metallic objects in the product is required.
Features

The Pneumatic pack clamping unit allows side clamping of products when on a conveyor line. The unit is designed for in-line clamping of products and allows the holding of product in a queue in the event of a line shutdown.

Features

FlexLink offers a mechanism for the manual movement of guide rails between different positions for diverting products between different conveyor lanes.

Features

FlexLink offers an overhead merging unit that allows the merging of two lanes of products into one lane. The unit allows a range of products up to a maximum production rate of 400 products per minute.
Introduction

Critical factor

To achieve an operational installation which is reasonably safe for all people involved in its use and maintenance, it is necessary to consider certain aspects. This is done when designing a conveyor system. The chain is generally the critical factor to consider with guarding.

Safeguarding

All pinch and shear points as well as other exposed moving parts that present a hazard to people at their workstations or their passageways must be safeguarded. Overhead conveyors must be guarded to prevent objects falling. Cleated conveyor chains are more hazardous in creating more pinch and shear points than plain conveyor chains.

Safeguarding can be achieved by:

- Location
  Location of the hazardous area away from the area occupied by personnel, wherever possible.

- Guards
  Mechanical barriers preventing entry into the hazardous areas or protecting against falling objects.

- Control devices
  Machine controls which prevent the interruption of hazardous operations/conditions.

- Warnings
  Instructions, warning labels, or sound/light signals which alert to hazardous conditions.

Safeguarding should be designed to minimize discomfort or difficulties to the operator. Bypassing or overriding the safeguarding during operation should be difficult. Warning labels etc. should only be used when all other means of safeguarding will impair the function of the installation or are not cost effective.

The degree of safeguarding required should be identified during the implementation of the essential safety requirement during the design process.

Special considerations

When correctly applied, FlexLink family of components are safe to use and maintain. It is however necessary for those responsible for design, installation, operation and maintenance of installations to be aware of certain areas where special attention is required.

All drive units with slip clutch

- Before adjusting the slip clutch it is necessary to remove all objects from the chain to remove any remaining chain tension.
- Adjustment should be conducted in accordance with the maintenance procedures.
- All drive units, except the direct drive units, are fitted with transmission chain covers, these covers must be fitted before unit is operated.

Note

The slip clutch is not a personnel safety device, but a device to protect the conveyor equipment.

End drive units

- The chain slack (catenary) of the end drive units must be maintained during the system lifetime.
- If side plates are fitted, the chain must be shortened if the chain becomes visible below the level of the side plates.
- The opening between the links when they turn round the end roller could be a risk. Drive ends should not be accessible during conveyor operation wherever possible.

For coupled drive units, safety protection should be applied to the connecting shaft.

Intermediate drive units

- The area near the guides for the return loop of the chain should not be accessible during conveyor operation.

Catenary drive unit

- The ‘bridge’ area where the chain goes down into the drive should not be accessible during conveyor operation.
General safety and design considerations (continued)

Bend drive unit
- The drive wheel and the transmission chain should not be accessible during the conveyor operation.

Idler units
- The opening between the links when they turn round the idler roller could be a risk. Idler ends should not be accessible during conveyor operation wherever possible.

Wheel bends
- Guarding may be required at wheel bends depending upon location of bends and load applied to the conveyor.

Cleated chains
- Any application incorporating cleated chains requires careful safety consideration. Pinch and shear points are generated throughout the assembly of the incorporated components. Therefore generous guarding should always be employed to fully protect within user operating limitations.

- There is a higher risk of product damage when using cleated chains. Special attention must be given to operator access in the event of products becoming trapped or similar.

Maintenance
The maintenance routine of FlexLink’s conveyors should also include procedures to ensure that the guarding remains securely fastened and effective (if not interlocked via control system etc.). FlexLink’s components are continuously reviewed to improve performance either by design modification or material upgrade. In all these reviews user safety is our primary consideration.

All associated technical data is retained at the manufacturer’s address.

Control system
Before operating or completing any maintenance on control system, read the associated section as supplied with the equipment documentation.

If there are any questions as to the safe operating procedures of the equipment supplied, please contact FlexLink immediately.
System maintenance

Introduction
The following section is designed to offer assistance for your planned maintenance schedule. It may become evident that the suggested maintenance intervals can be extended to accommodate your local environmental conditions.

Maintenance of the conveyor systems should only be carried out by competent persons, who are familiar with FlexLink’s equipment. If there is any doubt as to the most suitable procedure for maintenance, consult your FlexLink supplier.

Run-in period
Two to three weeks is usually enough as a run-in period. During this time, the conveyor should be cleaned a couple of times, to remove dust. After run-in, wear will be minimal, unless particles from the product or process reach the conveyor continuously.

Chain elongation
Especially during the run-in period, and if the load is heavy, the conveyor chain will slowly increase in length. This effect will be most obvious for long conveyors. After continuous operation for two weeks, it is often possible to remove a couple of chain links. After this period, we recommend a check every 3–6 months.

Non FlexLink equipment
Equipment and components which are not from the FlexLink family of products should be maintained and serviced in accordance with their respective manufacturer’s instructions.

Safety considerations
Before starting any maintenance on your FlexLink equipment, the following safety instructions must be observed:

- All electricity must be switched off.
- Make sure that the motor switch is also switched off and locked in the “off” position.
- Pneumatic and/or hydraulic power must be disconnected and any pressure accumulation released.
- Products being transported should, if possible, be removed from the conveyor chain.
- Staff affected must be informed that maintenance work is being undertaken.

Warning
Do not climb onto the equipment.

Temperatures

What temperatures can a FlexLink conveyor operate in?
A FlexLink conveyor can operate in temperatures between –20 °C and +60 °C.
Temperatures up to +100 °C can be taken for short periods. This is mainly for cleaning and rinsing.

What happens if these limits are exceeded?
In cases where the recommended specifications have not been followed, such as in very warm and cold conditions, this will change the properties of the materials used.
FlexLink cannot guarantee components and their functionality in case these recommendations are not followed.
## Product Transfer

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Passive Roller bridges for product transfer

The roller bridge system provides a very flexible way to assist in the transfer of product on conveyors in a production line.

The system has a modular design and consists of a range of mounting kits to suit different combinations of conveyor drive and Idler unit configuration.

In addition to this a range of different roller bridge modules allows for different options on bridge design to suit a wide range of different applications and products.

There are three main configurations of the bridge available:

Configuration one is supplied for transfer of products between drive and idler unit, with the inclusion of a bracing plate between the drive and idler unit to maintain rigidity of the conveyor transfer.

Configuration two is supplied for the transfer of products from a FlexLink conveyor at a machine interface position.

Configuration three is supplied for the transfer of products from a machine onto a FlexLink conveyor.

Standard features

- Safe – sprung loaded retaining design provides 'pop out' functionality in the event of a product or personnel jam.
- Radial infeed edge – allows close integration to drive and idler unit for smoother product transfer.
- Modular design – quick and easy interchangeability with ease of assembly and installation.
- Low friction – low noise design.
- Several options – multi- or single roller design in plastic.

Materials

<table>
<thead>
<tr>
<th>Material</th>
<th>Specification</th>
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<tr>
<td>Support bracket</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Roller frame</td>
<td>Acetal resin</td>
</tr>
<tr>
<td>Pins, washers and bolts</td>
<td>Stainless steel grade 304</td>
</tr>
</tbody>
</table>

Ordering information

The bridges are available to order in two parts – the first part is the roller bridge itself. The second part of the kit is the mounting kit for securing the roller bridge to the conveyor.
Roller bridge modules

2 roller module

The 2 roller version of bridging module is available in four options. The width of the module is 85 mm.

Note. Remember to order the mounting kit for securing the roller bridge to the conveyor.

![2 roller module](image1)

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
<th>Part Number</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>2 roller module</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Multiple rollers in low noise material (acetal resin)</td>
<td>8042286</td>
</tr>
<tr>
<td></td>
<td>Single plastic roller (acetal resin), with ball bearing on shaft</td>
<td>8042288</td>
</tr>
</tbody>
</table>

![2 roller module](image2)

![2 roller module](image3)
The 3 roller version of bridging module is available in four options. There are two width options on the module and they are available in either 85 mm or 115 mm.

Note. Remember to order the mounting kit for securing the roller bridge to the conveyor.

3 roller module

Multiple rollers in low noise material (acetal resin)
Width 85 mm 8042290
Width 115 mm 8042294

3 roller module

Single plastic roller (acetal resin), with ball bearing on shaft in
Width 85 mm 8042292
Width 115 mm 8042296
5 roller module

The 5 roller version of bridging module is available in four options. There are two width options on the module and they are available in either 85 mm or 115 mm.

Note. Remember to order the mounting kit for securing the roller bridge to the conveyor.

5 roller module

Multiple rollers in low noise material (acetal resin)
Width 85 mm 8042298
Width 115 mm 8042302

5 roller module

Single plastic roller (acetal resin), with ball bearing on shaft
Width 85 mm 8042300
Width 115 mm 8042304
**XS roller module**

The XS roller version of bridging module is available with multiple rollers only.

*Note.* Remember to order the mounting kit for securing the roller bridge to the conveyor.

XS roller module

Multiple rollers in low noise material (acetal resin)

Width 45mm

8042313
Roller bridge configurations

Bridge mounting kits, XS

**Drive unit – machine**

- **XSEB HL/HR – machine**
  - XSEB HL/HR – machine
  - $L = 333\ mm$
  - Mounting kits and bridge options
  - 8042251

- **XSEB HLP/HRP – machine**
  - XSEB HLP/HRP – machine
  - $L = 333\ mm$
  - Mounting kits and bridge options
  - 8042252

**Drive unit – idler unit**

- **XSEB HL/HR – XSEJ 200**
  - XSEB HL/HR – XSEJ 200
  - $L = 563\ mm$
  - Mounting kits and bridge options
  - 8042254

- **XSEB HLP / HRP – XSEJ 200**
  - XSEB HLP / HRP – XSEJ 200
  - $L = 563\ mm$
  - Mounting kits and bridge options
  - 8042255

**Idler unit – machine**

- **XSEJ 200 – machine**
  - XSEJ 200 – machine
  - $L = 230\ mm$
  - Mounting kits and bridge options
  - 8042253
Bridge mounting kits, XL

Drive unit – machine

**XLEB HL/HR – machine**

L = 326 mm 8042256

Mounting kits and bridge options:
- Multiple rollers in low noise material 8042290
- Single plastic roller in low noise material 8042291
- Single plastic roller, ball bearing 8042292

**XLEB HLP/HRP – machine**

L = 326 mm 8042257

Mounting kits and bridge options:
- Multiple rollers in low noise material 8042290
- Single plastic roller in low noise material 8042291
- Single plastic roller, ball bearing 8042292

**XLEB CNLP/CNRP – machine**

L = 270 mm 8042258

Mounting kits and bridge options:
- Multiple rollers in low noise material 8042290
- Single plastic roller in low noise material 8042291
- Single plastic roller, ball bearing 8042292

**XLEB MNLP/MNRP – machine S**

L = 326 mm 8042259

Mounting kits and bridge options:
- Multiple rollers in low noise material 8042290
- Single plastic roller in low noise material 8042291
- Single plastic roller, ball bearing 8042292

**XLEB HNLP/HNRP – machine**

L = 326 mm 8044471

Mounting kits and bridge options:
- Multiple rollers in low noise material 8042290
- Single plastic roller in low noise material 8042291
- Single plastic roller, ball bearing 8042292

**XLEJ 320 – machine**

L = 326 mm 8042260

Mounting kits and bridge options:
- Multiple rollers in low noise material 8042290
- Single plastic roller in low noise material 8042291
- Single plastic roller, ball bearing 8042292
Bridge mounting kits, XL (continued)

**XLEJ 200 S – machine**

L = 216 mm

Mounting kits and bridge options:
- Multiple rollers in low noise material
- Single plastic roller in low noise material
- Single plastic roller, ball bearing

Drive unit – idler unit

**XLEB HL/HR – XLEJ 200 S**

L = 534 mm

Mounting kits and bridge options:
- Multiple rollers in low noise material
- Single plastic roller in low noise material
- Single plastic roller, ball bearing

*Note! 2 pcs required

**XLEB HLP/HRP – XLEJ 320**

L = 534 mm

Mounting kits and bridge options:
- Multiple rollers in low noise material
- Single plastic roller in low noise material
- Single plastic roller, ball bearing

*Note! 2 pcs required

**XLEB CNLP/CNRP – XLEJ 320**

L = 598 mm

Mounting kits and bridge options:
- Multiple rollers in low noise material
- Single plastic roller in low noise material
- Single plastic roller, ball bearing

*Note! 2 pcs required
Bridge mounting kits, XL (continued)

**Drive unit – idler unit (continued)**

**XLEB CNLP/CNR P – XLEJ 200 S**

- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material
  - Single plastic roller in low noise material
  - Single plastic roller, ball bearing

- **Model:** XLEB CNLP/CNR P – XLEJ 200 S
- **Length:** 480 mm
- **Part Number:** 8042267

*Note! 2 pcs required

**XLEB HNL P/HNR P – XLEJ 320**

- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material
  - Single plastic roller in low noise material
  - Single plastic roller, ball bearing

- **Model:** XLEB HNL P/HNR P – XLEJ 320
- **Length:** 655 mm
- **Part Number:** 8044472

*Note! 2 pcs required

**XLEB MN LP/MNR P – XLEJ 320**

- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material
  - Single plastic roller in low noise material
  - Single plastic roller, ball bearing

- **Model:** XLEB MN LP/MNR P – XLEJ 320
- **Length:** 596 mm
- **Part Number:** 8042268

*Note! 2 pcs required

**XLEB HNL P/HNR P – XLEJ 200 S**

- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material
  - Single plastic roller in low noise material
  - Single plastic roller, ball bearing

- **Model:** XLEB HNL P/HNR P – XLEJ 200 S
- **Length:** 534 mm
- **Part Number:** 8044473

*Note! 2 pcs required

**XLEB MN LP/MNR P – XLEJ 200 S**

- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material
  - Single plastic roller in low noise material
  - Single plastic roller, ball bearing

- **Model:** XLEB MN LP/MNR P – XLEJ 200 S
- **Length:** 480 mm
- **Part Number:** 8042269

*Note! 2 pcs required
Bridge mounting kits, X65

**Drive unit – machine**

**XLEB A65HL/HR – machine**

XLEB A65HL/HR – machine  
L = 326 mm 8042256

**Mounting kits and bridge options:**
- Multiple rollers in low noise material 8042290
- Single plastic roller in low noise material 8042291
- Single plastic roller, ball bearing 8042292

**XLEB A65 HLP/HRP – machine**

XLEB A65HLP/HRP – machine  
L = 326 mm 8042257

**Mounting kits and bridge options:**
- Multiple rollers in low noise material 8042290
- Single plastic roller in low noise material 8042291
- Single plastic roller, ball bearing 8042292

**XLEB A65 CNLP/CNRP – machine**

XLEB A65CNLP/CNRP – machine  
L = 270 mm 8042258

**Mounting kits and bridge options:**
- Multiple rollers in low noise material 8042290
- Single plastic roller in low noise material 8042291
- Single plastic roller, ball bearing 8042292

**Bridge mounting kits – Idler unit - machine**

**XLEJ A65 – machine**

XLEJ A65 – machine  
L = 270 mm 8042260

**Mounting kits and bridge options:**
- Multiple rollers in low noise material 8042290
- Single plastic roller in low noise material 8042291
- Single plastic roller, ball bearing 8042292
## Bridge mounting kits, X65 (continued)

### XLEJ A65 S – machine

- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material 8042286
  - Single plastic roller in low noise material 8042287
  - Single plastic roller, ball bearing 8042288

### Drive unit – idler unit

### XLEB A65HL/HR – XLEJ A65 S

- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material 8042286
  - Single plastic roller in low noise material 8042287
  - Single plastic roller, ball bearing 8042288

*Note! 2 pcs required

### XLEB A65HL/HR – XLEJ A65

- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material 8042290*
  - Single plastic roller in low noise material 8042291*
  - Single plastic roller, ball bearing 8042292*

*Note! 2 pcs required

### XLEB A65HLP/HRP – XLEJ A65 S

- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material 8042286*
  - Single plastic roller in low noise material 8042287*
  - Single plastic roller, ball bearing 8042288*

*Note! 2 pcs required

### XLEB A65HLP/HRP – XLEJ A65

- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material 8042290*
  - Single plastic roller in low noise material 8042291*
  - Single plastic roller, ball bearing 8042292*

*Note! 2 pcs required

### XLEB A65CNLP/CNRP – XLEJ A65

- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material 8042290*
  - Single plastic roller in low noise material 8042291*
  - Single plastic roller, ball bearing 8042292*

*Note! 2 pcs required
Bridge mounting kits, X65 (continued)

Drive unit – idler unit (continued)

**XLEB A65CNLP/CNRP – XLEJ A65 S**

![Diagram](image1)

**XLEB A65CNLP/CNRP – XLEJ A65 S**

- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material (8042286*)
  - Single plastic roller in low noise material (8042287*)
  - Single plastic roller, ball bearing (8042288*)
  - *Note! 2 pcs required

**XLEB A65MNLP/MNRP – XLEJ A65**

![Diagram](image2)

**XLEB A65MNLP/MNRP – XLEJ A65**

- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material (8042286*)
  - Single plastic roller in low noise material (8042287*)
  - Single plastic roller, ball bearing (8042288*)
  - *Note! 2 pcs required

**XLEB A65 HNLP/HNRP – XLEJ A65 S**

![Diagram](image3)

**XLEB A65 HNLP/HNRP – XLEJ A65 S**

- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material (8042286*)
  - Single plastic roller in low noise material (8042287*)
  - Single plastic roller, ball bearing (8042288*)
  - *Note! 2 pcs required

---

**XLEB A65 HNL P/HNR P – XLEJ A65**

- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material (8042286*)
  - Single plastic roller in low noise material (8042287*)
  - Single plastic roller, ball bearing (8042288*)

**XLEB A65 HNL P/HNR P – XLEJ A65 S**

- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material (8042286*)
  - Single plastic roller in low noise material (8042287*)
  - Single plastic roller, ball bearing (8042288*)
  - *Note! 2 pcs required
Bridge mounting kits, X85

Drive unit – idler unit

**XBEB 0A85 HL/HR – XBEJ A85**

- L = 650 mm

Mounting kits and bridge options:
- Multiple rollers in low noise material
- Single plastic roller in low noise material
- Single plastic roller, ball bearing

*Note! 2 pcs required

**XBEB 0A85 HLP/HRP – XBEJ A85 S**

- L = 655 mm

Mounting kits and bridge options:
- Multiple rollers in low noise material
- Single plastic roller in low noise material
- Single plastic roller, ball bearing

*Note! 2 pcs required

Drive unit – machine

**XBEB 0A85 HL/HR – machine**

- L = 324 mm

Mounting kits and bridge options:
- Multiple rollers in low noise material
- Single plastic roller in low noise material
- Single plastic roller, ball bearing

*Note! 2 pcs required

**XBEB 0A85 HLP/HRP – machine**

- L = 324 mm

Mounting kits and bridge options:
- Multiple rollers in low noise material
- Single plastic roller in low noise material
- Single plastic roller, ball bearing

*Note! 2 pcs required
Idler unit – machine

**XBEJ A85 – machine**

L = 324 mm

<table>
<thead>
<tr>
<th>Mounting kits and bridge options:</th>
<th>8042294</th>
<th>8042295</th>
<th>8042296</th>
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<tbody>
<tr>
<td>Multiple rollers in low noise material</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Single plastic roller in low noise material</td>
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<td></td>
</tr>
<tr>
<td>Single plastic roller, ball bearing</td>
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</tbody>
</table>

**XBEJ A85 S – machine**

L = 330 mm

<table>
<thead>
<tr>
<th>Mounting kits and bridge options:</th>
<th>8042294</th>
<th>8042295</th>
<th>8042296</th>
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<td>Single plastic roller in low noise material</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Single plastic roller, ball bearing</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Bridge mounting kits, XH

**Drive unit – machine**

XHEB HL/HR – machine

- L = 352 mm
- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material
  - Single plastic roller in low noise material
  - Single plastic roller, ball bearing

- 8042270

XHEB HLP/HRP – machine

- L = 352 mm
- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material
  - Single plastic roller in low noise material
  - Single plastic roller, ball bearing

- 8042271

XHEB HNRP/HNLP – machine

- L = 352 mm
- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material
  - Single plastic roller in low noise material
  - Single plastic roller, ball bearing

- 8042272

**Idler unit - machine**

XHEJ 325 – machine

- L = 352 mm
- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material
  - Single plastic roller in low noise material
  - Single plastic roller, ball bearing

- 8042273

- 8042302
- 8042303
- 8042304

XHEJ 325 – machine

- L = 352 mm

XHEJ 325 – machine

- L = 352 mm

- 8042302
- 8042303
- 8042304

- 8042273
Bridge mounting kits, XH (continued)

Drive unit – idler unit

**XHEB HL/HR – XHEJ 325**

![Diagram of XHEB HL/HR – XHEJ 325](image)

**XHEB HL/HR – XHEJ 325**

*L = 668 mm 8042274*

**Mounting kits and bridge options:**

- Multiple rollers in low noise material 8042294*
- Single plastic roller in low noise material 8042295*
- Single plastic roller, ball bearing 8042296*

*Note! 2 pcs required

**XHEB HLP/HRP – XHEJ 325**

![Diagram of XHEB HLP/HRP – XHEJ 325](image)

**XHEB HLP/HRP – XHEJ 325**

*L = 668 mm 8042275*

**Mounting kits and bridge options:**

- Multiple rollers in low noise material 8042294*
- Single plastic roller in low noise material 8042295*
- Single plastic roller, ball bearing 8042296*

*Note! 2 pcs required

**XHEB HNRP/HNLP – XHEJ 325**

![Diagram of XHEB HNRP/HNLP – XHEJ 325](image)

**XHEB HNRP/HNLP – XHEJ 325**

*L = 668 mm 8042276*

**Mounting kits and bridge options:**

- Multiple rollers in low noise material 8042294*
- Single plastic roller in low noise material 8042295*
- Single plastic roller, ball bearing 8042296*

*Note! 2 pcs required
Bridge mounting kits, XK

**Drive unit – machine**

**XKEB HL/HR – machine**

- L = 376 mm
- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material: 8042302
  - Single plastic roller in low noise material: 8042303
  - Single plastic roller, ball bearing: 8042304

**XKEB LP/RP – machine**

- L = 376 mm
- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material: 8042302
  - Single plastic roller in low noise material: 8042303
  - Single plastic roller, ball bearing: 8042304

**Idler unit – machine**

**XKEJ 350 – machine**

- L = 376 mm
- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material: 8042302
  - Single plastic roller in low noise material: 8042303
  - Single plastic roller, ball bearing: 8042304

**Drive unit – idler unit**

**XKEB HL/HR – XKEJ 350**

- L = 722 mm
- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material: 8042294*
  - Single plastic roller in low noise material: 8042295*
  - Single plastic roller, ball bearing: 8042296*
  - *Note! 2 pcs required

**XKEB LP/RP – XKEJ 350**

- L = 722 mm
- **Mounting kits and bridge options:**
  - Multiple rollers in low noise material: 8042294*
  - Single plastic roller in low noise material: 8042295*
  - Single plastic roller, ball bearing: 8042296*
  - *Note! 2 pcs required

---

*FlexLink®*
Bridge mounting kits, X180/X300

Drive unit – machine

**XBEB A180LP/RP – machine**

- **L = 342 mm**
- **8042282**

**Mounting kits and bridge options:**
- Multiple rollers in low noise material
- Single plastic roller in low noise material
- Single plastic roller, ball bearing

*Note! 2 pcs required

**XBEB A180 HLP/HRP – machine**

- **L = 342 mm**
- **8044474**

**Mounting kits and bridge options:**
- Multiple rollers in low noise material
- Single plastic roller in low noise material
- Single plastic roller, ball bearing

*Note! 2 pcs required

**XBEB A300 LP/RP – machine**

- **L = 342 mm**
- **8042283**

**Mounting kits and bridge options:**
- Multiple rollers in low noise material
- Single plastic roller in low noise material
- Single plastic roller, ball bearing

*Note! 2 pcs required

**XBEB A300 HLP/HRP – machine**

- **L = 342 mm**
- **8044475**

**Mounting kits and bridge options:**
- Multiple rollers in low noise material
- Single plastic roller in low noise material
- Single plastic roller, ball bearing

*Note! 2 pcs required
Bridge mounting kits, X180/X300 (continued)

Idler unit – machine

**XBEJ A180 – machine**

![Diagram of XBEJ A180 machine]

XBEJ A180 – machine
L = 342 mm 8042284

**Mounting kits and bridge options:**
- Multiple rollers in low noise material 8042298*
- Single plastic roller in low noise material 8042299*
- Single plastic roller, ball bearing 8042300*

*Note! 2 pcs required

**XBEJ 300 – machine**

![Diagram of XBEJ 300 machine]

XBEJ 300 – machine
L = 342 mm 8042285

**Mounting kits and bridge options:**
- Multiple rollers in low noise material 8042298+
  8042302*
- Single plastic roller in low noise material 8042299+
  8042303*
- Single plastic roller, ball bearing 8042300+
  8042304*

*Note! 2 pcs required
Bridge mounting kits, X85X

**Drive unit – machine**

- **XE85X A85 – machine**
  - L = 330 mm
  - Mounting kits and bridge options: Single plastic roller in low noise material
  - Code: 8043641

**Idler unit – machine**

- **XE85X A85 – machine**
  - L = 317 mm
  - Mounting kits and bridge options: Single plastic roller in low noise material
  - Code: 8042295

- **XE85X A85 S – machine**
  - L = 150 mm
  - Mounting kits and bridge options: Single plastic roller in low noise material
  - Code: 8043643

- **XE85X A85 S – machine**
  - L = 150 mm
  - Mounting kits and bridge options: Single plastic roller in low noise material
  - Code: 8042295

*FlexLink®*
Bridge mounting kits, X180X

**Drive unit – machine**

XBEBX A180 – machine

L = 330 mm  
**8043644**

**Mounting kits and bridge options:**
Single plastic roller in low noise material  
**8042295+ 8042291**

**Idler unit – machine**

XBEJX A180 – machine

L = 317 mm  
**8043645**

**Mounting kits and bridge options:**
Single plastic roller in low noise material  
**8042295+ 8042291**

XBEJX A180 S – machine

L = 150 mm  
**8043646**

**Mounting kits and bridge options:**
Single plastic roller in low noise material  
**8042295+ 8042291**
Bridge mounting kits, X300X

Drive unit – machine

XBEBX A300 – machine

L = 333 mm

Mounting kits and bridge options:
Single plastic roller in low noise material

*Note! 2 pcs required

Idler unit – machine

XBEJX A300 – machine

L = 317 mm

Mounting kits and bridge options:
Single plastic roller in low noise material

*Note! 2 pcs required

XBEJX A300 S – machine

L = 150 mm

Mounting kits and bridge options:
Single plastic roller in low noise material

*Note! 2 pcs required
The Transfer unit is designed to provide assistance in transferring product onto or off a standard Spiral Elevator.

The System has a modular design and that allows adjustment in both height and angle in order to accept products from both infeed and outfeed conveyors.

The transfer unit can also be positioned such that it can be inclined or declined to a maximum angle of +/- 20 degrees in order to feed product onto a receiving system or conveyor without the need for a driven transfer.

The transfer unit can be positioned at either the tail end or drive end of the elevator.

Standard features

- **Safe** - Sprung loaded design allows 'pop out' functionality in the event of product or personnel jam
- **Radial infeed & outfeed edge** - allows close integration to drive and idler unit for smoother product transfer.
- **Modular Design** - quick & easy interchange ability with ease of both assembly, setting and installation.
- **Low Friction transfer** - The rollers are supplied in a low friction material to allow an efficient and effective product transfer.
Technical specification:

Spiral Elevator compatibility:

The Transfer unit is compatible with the drive and tail end of Spiral Elevator 5995512 (Standard) and 5995958 (Fast track)

The transfer unit offers angular adjustment to suit varying transfer heights.

Vertical height adjustment is available to ensure positive product transfer.

The maximum angular adjustment is +/- 20°

NOTE!

The fixed guard is positioned to prevent accidental operator entanglement in the spiral chain. Due to the open nature of this chain it is recommended that if at any point the pop out transfer is not in position in the transfer unit the conveyor chain is immediately stopped. It is recommended that the transfer area is covered by a tunnel guard upon line integration to ensure a safe design.
WL Roller Bridges for Product Transfer

The Roller Bridge System provides a very flexible way of assisting in the transfer of products on WL FlexLink conveyors in a production line.

The system is available in two different roller options with a range of mounting kits to suit a wide range of different applications and products, in either.

The system design is modular and consists of different mounting kits to suit different combinations of Drive unit & idler unit configuration.

There are three main configurations of the bridge available:

**Configuration one** - transfer the products between Drive unit & Idler unit - including a bracing plate between Drive unit & Idler unit to maintain rigidity of the conveyor transfer. Configuration two is supplied for the transfer of products from a FlexLink conveyor at a machine interface position.

**Configuration two** - supplied for the transfer of Products going from the FlexLink WL conveyor onto a machine interface.

**Configuration three** - supplied for the transfer of Products onto the FlexLink WL conveyor from a machine interface.

**Standard features**

- **Safe** – Multiple roller version features “pop out” functionality in the event of a product or personnel jam
- **Radial infeed edge** – allowing closer integration to Drive & Idler unit for smoother product transfer
- **Modular design** - quick & easy interchangeability with ease of assembly & installation
- **Low friction** – low noise design.
- **Transfer Options** - multiple of single roller transfer module

**Materials**

- Support bracket.......................... Stainless steel
- Multiple Roller frame ....................... Acetal resin
- Pins, washers and bolts ...................... Stainless steel grade 304
- Single Roller................................. Steel Zinc Plate
- Retaining Chain .............................. Stainless steel

**Ordering information**

- **Multiple Roller version** - these bridges are available to order as standard in two parts. The first part to order is the mounting for the required configuration and the second parts is the roller module required in each configuration.
- **Single Roller Version** - these Bridges are available as a complete kit including mounting kit & Roller

**NOTE!**

- Maximum product weight for Multiple Roller version: 5kg
- Maximum product weight for Single Roller version: 30kg
WL Roller bridge modules

3 roller module

The 3 roller version of bridging module is available in four options. There are two width options on the module and they are available in either 85 mm or 115 mm.

Note. Remember to order the mounting kit for securing the roller bridge to the conveyor.

3 roller module

Multiple rollers in low noise material (acetal resin)
Width 85 mm
8042290
Width 115 mm
8042294

3 roller module

Single plastic roller (acetal resin), with ball bearing on shaft in
Width 85 mm
8042292
Width 115 mm
8042296

3 roller module

Single plastic roller in low noise material (acetal resin) Width
85 mm
8042291
Width 115 mm
8042295
Roller Bridge kits - Multiple Roller version

**WEJB 0A322NLP/NRP - Machine**

Machine - WLEJ 300A322

Bridge options:
- Multiple rollers in low noise material: 4x8042290+ 2x8042294
- Single plastic roller in low noise material: 4x8042291+ 2x8042295
- Single plastic roller, ball bearing: 4x8042292+ 2x8042296

L = 402 mm

**WEJB 0A424NLP/NRP - WLEJ 300A424**

Bridge options:
- Multiple rollers in low noise material: 4x8042290+ 2x8042294
- Single plastic roller in low noise material: 4x8042291+ 2x8042295
- Single plastic roller, ball bearing: 4x8042292+ 2x8042296

L = 708 mm

**WEJB 0A626NLP/NRP - Machine**

Machine - WLEJ 300A626

Bridge options:
- Multiple rollers in low noise material: 4x8042290+ 2x8042294
- Single plastic roller in low noise material: 4x8042291+ 2x8042295
- Single plastic roller, ball bearing: 4x8042292+ 2x8042296

L = 708 mm

**WEJB 0A626 - WLEJ 300A626**

Bridge options:
- Multiple rollers in low noise material: 10x8042294
- Single plastic roller in low noise material: 10x8042295
- Single plastic roller, ball bearing: 10x8042296

L = 402 mm
WL Roller bridge modules

**WLEB 0A322LP/RP - Machine**
**Machine - WLEJ 300A322**

- WLEB 0A322LP/RP - Machine
  - Machine - WLEJ 300A322
  - Bridge options:
    - Multiple rollers in low noise material: 4x8042290+ 2x8042294
    - Single plastic roller in low noise material: 4x8042291+ 2x8042295
    - Single plastic roller, ball bearing: 4x8042292+ 2x8042296

L = 402 mm

**WLEB 0A322LP/RP - Machine**
**Machine - WLEJ 300A322**

L = 708 mm

**WLEB 0A424LP/RP - Machine**
**Machine - WLEJ 300A424**

- WLEB 0A424LP/RP - Machine
  - Machine - WLEJ 300A424
  - Bridge options:
    - Multiple rollers in low noise material: 4x8042290+ 4x8042294
    - Single plastic roller in low noise material: 4x8042291+ 4x8042295
    - Single plastic roller, ball bearing: 4x8042292+ 4x8042296

L = 708 mm

**WLEB 0A626LP/RP - Machine**
**Machine - WLEJ 300A626**

- WLEB 0A626LP/RP - Machine
  - Machine - WLEJ 300A626
  - Bridge options:
    - Multiple rollers in low noise material: 10x8042294 10x8042295
    - Single plastic roller in low noise material: 10x8042296
    - Single plastic roller, ball bearing: 10x8042296

L = 402 mm

**WLEB 0A626LP/RP - Machine**
**Machine - WLEJ 300A626**

L = 708 mm
Roller Bridge kits - Single Roller version

Note - the Mounting kit for the single roller version of transfer includes the roller as part of the kit

WLEB 0A322NLP/NRP - Machine
Machine - WLEJ 300A322
L = 380 mm

WLEB 0A322NLP/NRP - WLEJ 300A322
L = 710 mm

WLEB 0A424NLP/NRP - Machine
Machine - WLEJ 300A424
L = 380 mm

WLEB 0A424NLP/NRP - WLEJ 300A424
L = 710 mm

WLEB 0A626NLP/NRP - Machine
Machine - WLEJ 300A626
L = 380 mm

WLEB 0A626NLP/NRP - WLEJ 300A626
L = 710 mm

WLEB 0A322LP/RP - Machine
Machine - WLEJ 300A322
L = 380 mm

WLEB 0A322LP/RP - WLEJ 300A322
L = 710 mm
Driven conveyor transfer

Positive drive of products across conveyor transfers

FlexLink offers a range of inline pre-built driven conveyor transfers for the drive of products when feeding between conveyor drive and idler, conveyor drive and machine, and idler unit and machine.

The design allows positive transfer of products, ensuring there are no products stalling across conveyor transfers.

The unit is available in in three different standard configurations and with two standard options — either belt or driven roller. It is supplied as a complete module that can be integrated into any line, new or existing.

**Note**

It is recommended that the transfer is fully guarded on line integration to ensure a safe design.

**Standard features**

- **Robust** — designed to operate within a production line without reducing the stability of the conveyor system
- **Clean** — clean design with minimal dust ingress or dirt build up areas.
- **Modular design** — allows quick changeover in event of routine maintenance or breakdown.
- **Simple installation** — mount to conveyor using stand-Drip Tray system XS
Technical specification

The conveyor transfers are compatible with the following conveyor systems: XL, X65, X85, XH, XK, X180 and X300.

Drive options

The positive drive is given by two means:

- Option 1: driven belt on the transfer
- Option 2: driven roller design

*Note! All units are supplied without SEW motor gearbox*

Operating parameters

Max. conveyor speed ......................... 60 m/min
Max. product weight
XL, X65, X85...................................... 1.5 kg
XH, XK, X180, X300 .......................... 3 kg

Operating environment

Temperature....................................... 10–35 °C
Relative humidity ............................... 60%

Not suitable for explosive environment or direct food contact.

Configurations

Configuration 1

A driven transfer from drive unit with a machine interface.

Configuration 2

A driven transfer onto an idler from a machine interface.

Configuration 3

A driven transfer from drive unit to idler inline.
Driven roller configurations

Driven rollers, XL

Drive unit – machine

**XLEB HL/HR – Machine**

- XLEB HL – Machine
- XLEB HR – Machine
- \(L = 354\ mm\)

- 8043382
- 8044301

**XLEB HLP/HRP – Machine**

- XLEB HLP – Machine
- XLEB HRP – Machine
- \(L = 354\ mm\)

- 8043383
- 8044302

**XLEB HNLP/HNRP – Machine**

- XLEB HNLP – Machine
- XLEB HNRP – Machine
- \(L = 354\ mm\)

- 8043721
- 8044303

Drive unit – idler unit

**XLEB HL/HR – XLEJ 320**

- XLEB HL – XLEJ 320
- XLEB HR – XLEJ 320
- \(L = 656\ mm\)

- 8043385
- 8044304

**XLEB HLP/HRP – XLEJ 320**

- XLEB HLP – XLEJ 320
- XLEB HRP – XLEJ 320
- \(L = 656\ mm\)

- 8043386
- 8044305

**XLEB HNLP/HNRP – XLEJ 320**

- XLEB HNLP – XLEJ 320
- XLEB HNRP – XLEJ 320
- \(L = 656\ mm\)

- 8043387
- 8044306

Idler unit – machine

**XLEJ 320 – Machine**

- XLEJ 320 – Machine
- \(L = 354\ mm\)

- 8043384
Driven roller configurations

Driven rollers, X65

Drive unit – machine

**XLEB A65HL/HR – Machine**

- XLEB A65HL – Machine
- XLEB A65HR – Machine
- \( L = 354 \text{ mm} \)

![Diagram of XLEB A65HL/HR - Machine]

Idler unit – machine

**XLEJ A65 – Machine**

- XLEJ A65 – Machine
  - \( L = 354 \text{ mm} \)

![Diagram of XLEJ A65 - Machine]

Drive unit – idler unit

**XLEB A65HL/HR – XLEJ A65**

- XLEB A65HL – XLEJ A65
- XLEB A65HR – XLEJ A65
  - \( L = 656 \text{ mm} \)

![Diagram of XLEB A65HL/HR - XLEJ A65]

**XLEB A65HLP/HRP – XLEJ A65**

- XLEB A65HLP – XLEJ A65
- XLEB A65HRP – XLEJ A65
  - \( L = 656 \text{ mm} \)

![Diagram of XLEB A65HLP/HRP - XLEJ A65]

**XLEB A65HNLP/HNRP – XLEJ A65**

- XLEB A65HNLP – XLEJ A65
- XLEB A65HNRP – XLEJ A65
  - \( L = 656 \text{ mm} \)

![Diagram of XLEB A65HNLP/HNRP - XLEJ A65]
Driven rollers, X85

Drive unit – machine

**XBEB A85 HL/HR – Machine**

- XBEB A85 HL – Machine
- XBEB A85 HR – Machine
  - $L = 354 \text{ mm}$

- **8043388**
- **8044307**

**XBEB A85 HLP/HRP – Machine**

- XBEB A85 HLP – Machine
- XBEB A85 HRP – Machine
  - $L = 354 \text{ mm}$

- **8043389**
- **8044308**

**XBEB A85 HNLP/HNRP – Machine**

- XBEB A85 HNLP – Machine
- XBEB A85 HNRP – Machine
  - $L = 354 \text{ mm}$

- **8043390**
- **8044309**

Drive unit – idler unit

**XBEB A85 HL/HR – XBEJ A85**

- XBEB A85 HL – XBEJ A85
- XBEB A85 HR – XBEJ A85
  - $L = 656 \text{ mm}$

- **8043392**
- **8044310**

**XBEB A85 HLP/HRP – XBEJ A85**

- XBEB A85 HLP – XBEJ A85
- XBEB A85 HRP – XBEJ A85
  - $L = 656 \text{ mm}$

- **8043393**
- **8044311**

**XBEB A85 HNLP/HNRP – XBEJ A85**

- XBEB A85 HNLP – XBEJ A85
- XBEB A85 HNRP – XBEJ A85
  - $L = 656 \text{ mm}$

- **8043394**
- **8044312**

Idler unit – machine

**XBEJ A85 – Machine**

- XBEJ A85 – Machine
  - $L = 354 \text{ mm}$

- **8043391**
Driven rollers, XH

Drive unit – machine

XHEB HL/HR – Machine

XHEB HL – Machine
XHEB HR – Machine
\(L = 354 \text{ mm}\)

XHEB HLP/HRP – Machine

XHEB HLP – Machine
XHEB HRP – Machine
\(L = 354 \text{ mm}\)

XHEB HNLP/HNRP – Machine

XHEB HNLP – Machine
XHEB HNRP – Machine
\(L = 354 \text{ mm}\)

Drive unit – idler unit

XHEB HL/HR – XHEJ 325

XHEB HL – XHEJ 325
XHEB HR – XHEJ 325
\(L = 656 \text{ mm}\)

XHEB HLP/HRP – XHEJ 325

XHEB HLP – XHEJ 325
XHEB HRP – XHEJ 325
\(L = 656 \text{ mm}\)

XHEB HNLP/HNRP – XHEJ 325

XHEB HNLP – XHEJ 325
XHEB HNRP – XHEJ 325
\(L = 656 \text{ mm}\)
Driven rollers, XK

Drive unit – machine

XKEB HL/HR – Machine

XKEB HL – Machine
XKEB HR – Machine
$L = 354 \text{ mm}$

XKEB LP/RP – Machine

XKEB LP – Machine
XKEB RP – Machine
$L = 354 \text{ mm}$

Drive unit – idler unit

XKEB HL/HR – XKEJ 350

XKEB HL – XKEJ 350
XKEB HR – XKEJ 350
$L = 656 \text{ mm}$

XKEB LP/RP – XKEJ 350

XKEB LP – XKEJ 350
XKEB RP – XKEJ 350
$L = 656 \text{ mm}$

Idler unit – machine

XKEJ 350 – Machine

XKEJ 350 – Machine
$L = 354 \text{ mm}$
Driven rollers, X180

Drive unit – machine

XBEB A180HLP/HRP – Machine

- XBEB A180HLP – Machine
- XBEB A180HRP – Machine

L = 366 mm

8043950
8044323

xEBE A180HNLP/HNRP – Machine

- XBEB A180HNLP – Machine
- XBEB A180HNRP – Machine

L = 366 mm

8043407
8044324

Drive unit – idler unit

XBEB A180HLP/HRP – XBEJ A180

- XBEB A180HLP – XBEJ A180
- XBEB A180HRP – XBEJ A180

L = 670 mm

8043952
8044327

xEBE A180HNLP/HNRP – XBEJ A180

- XBEB A180HNLP – XBEJ A180
- XBEB A180HNRP – XBEJ A180

L = 670 mm

8043409
8044328

Idler unit – machine

XBEJ A180 – Machine

- XBEJ A180 – Machine

L = 366 mm

8043411
Driven rollers, X300

Drive unit – machine

**XBEB A300HLP/HRP – Machine**

- XBEB A300HLP – Machine 8043951
- XBEB A300HRP – Machine 8044325

**XBEB A300HNLP/HNRP – Machine**

- XBEB A300HNLP – Machine 8043408
- XBEB A300HNRP – Machine 8044326

**Idler unit – machine**

**XBEB A300 – Machine**

- XBEB A300 – Machine 8043412

Drive unit – idler unit

**XBEB A300HLP/HRP – XBEJ A300**

- XBEB A300HLP – XBEJ A300 8043953
- XBEB A300HRP – XBEJ A300 8044329

**XBEB A300HNLP/HNRP – XBEJ A300**

- XBEB A300HNLP – XBEJ A300 8043410
- XBEB A300HNRP – XBEJ A300 8044330

- L = 366 mm
- L = 670 mm
Driven belt

Driven belt, XL

Drive unit – machine

**XLEB HL/HR – Machine**

- XLEB HL – Machine
- XLEB HR – Machine
  - $L = 544 \text{ mm}$

Drive unit – idler unit

**XLEB HL/HR – XLEJ 320**

- XLEB HL – XLEJ 320
- XLEB HR – XLEJ 320
  - $L = 818 \text{ mm}$

**XLEB HLP/HRP – XLEJ 320**

- XLEB HLP – XLEJ 320
- XLEB HRP – XLEJ 320
  - $L = 818 \text{ mm}$

**XLEB HNLP/HNRP – XLEJ 320**

- XLEB HNLP – XLEJ 320
- XLEB HNRP – XLEJ 320
  - $L = 818 \text{ mm}$

Idler unit – machine

**XLEJ 320 – Machine**

- XLEJ 320 – Machine
  - $L = 544 \text{ mm}$
Driven belt, X65

**Drive unit – machine**

- **XLEB A65HL/HR – Machine**
  - XLEB A65HL – Machine
  - XLEB A65HR – Machine
  - $L = 544 \text{ mm}$
  - 8044096
  - 8044097

- **XLEB A65HLP/HRP – Machine**
  - XLEB A65HLP – Machine
  - XLEB A65HRP – Machine
  - $L = 544 \text{ mm}$
  - 8044094
  - 8044095

- **XLEB A65HNLP/HNRP – Machine**
  - XLEB A65HNLP – Machine
  - XLEB A65HNRP – Machine
  - $L = 544 \text{ mm}$
  - 8044092
  - 8044093

**Drive unit – idler unit**

- **XLEB A65HL/HR – XLEJ A65**
  - XLEB A65HL – XLEJ A65
  - XLEB A65HR – XLEJ A65
  - $L = 818 \text{ mm}$
  - 8044098
  - 8044099

- **XLEB A65HLP/HRP – XLEJ A65**
  - XLEB A65HLP – XLEJ A65
  - XLEB A65HRP – XLEJ A65
  - $L = 818 \text{ mm}$
  - 8044100
  - 8044101

- **XLEB A65HNLP/HNRP – XLEJ A65**
  - XLEB A65HNLP – XLEJ A65
  - XLEB A65HNRP – XLEJ A65
  - $L = 818 \text{ mm}$
  - 8044102
  - 8044103

**Idler unit – machine**

- **XLEJ A65 – Machine**
  - XLEJ A65 – Machine
  - $L = 544 \text{ mm}$
  - 8044090
Driven belt, X85

### Drive unit – machine

- **XBEB A85 HL/HR – Machine**
  - L = 544 mm
  - XBEB A85 HL – Machine
  - XBEB A85 HR – Machine
  - 8043696
  - 8044337

- **XBEB A85 HLP/HRP – Machine**
  - L = 544 mm
  - XBEB A85 HLP – Machine
  - XBEB A85 HRP – Machine
  - 8043697
  - 8044338

- **XBEB A85 HNLP/HNRP – Machine**
  - L = 544 mm
  - XBEB A85 HNLP – Machine
  - XBEB A85 HNRP – Machine
  - 8043698
  - 8044339

### Idler unit – machine

- **XBEJ A85 – Machine**
  - L = 544 mm
  - 8043699

### Drive unit – idler unit

- **XBEB A85 HL/HR – XBEJ A85**
  - L = 818 mm
  - XBEB A85 HL – XBEJ A85
  - XBEB A85 HR – XBEJ A85
  - 8043700
  - 8044340

- **XBEB A85 HLP/HRP – XBEJ A85**
  - L = 818 mm
  - XBEB A85 HLP – XBEJ A85
  - XBEB A85 HRP – XBEJ A85
  - 8043701
  - 8044341

- **XBEB A85 HNLP/HNRP – XBEJ A85**
  - L = 818 mm
  - XBEB A85 HNLP – XBEJ A85
  - XBEB A85 HNRP – XBEJ A85
  - 8043702
  - 8044342
Driven belt, XH

Drive unit – machine

**XHEB HL/HR – Machine**

- XHEB HL – Machine
- XHEB HR – Machine
- \( L = 544 \text{ mm} \)

**XHEB HLP/HRP – Machine**

- XHEB HLP – Machine
- XHEB HRP – Machine
- \( L = 544 \text{ mm} \)

**XHEB HNLP/HNRP – Machine**

- XHEB HNLP – Machine
- XHEB HNRP – Machine
- \( L = 544 \text{ mm} \)

Drive unit – idler unit

**XHEB HL/HR – XHEJ 325**

- XHEB HL – XHEJ 325
- XHEB HR – XHEJ 325
- \( L = 818 \text{ mm} \)

**XHEB HLP/HRP – XHEJ 325**

- XHEB HLP – XHEJ 325
- XHEB HRP – XHEJ 325
- \( L = 818 \text{ mm} \)

**XHEB HNLP/HNRP – XHEJ 325**

- XHEB HNLP – XHEJ 325
- XHEB HNRP – XHEJ 325
- \( L = 818 \text{ mm} \)

Idler unit – machine

**XHEJ 325 – Machine**

- XHEJ 325 – Machine
- \( L = 544 \text{ mm} \)
Driven belt, XK

Drivem unit – machine

**XKEB HL/HR – Machine**

- XKEB HL – Machine
- XKEB HR – Machine
- $L = 544 \text{ mm}$

**XKEB LP/RP – Machine**

- XKEB LP – Machine
- XKEB RP – Machine
- $L = 544 \text{ mm}$

Idler unit – machine

**XKEJ 350 – Machine**

- XKEJ 350 – Machine
- $L = 544 \text{ mm}$

Drive unit – idler unit

**XKEB HL/HR – XKEJ 350**

- XKEB HL – XKEJ 350
- XKEB HR – XKEJ 350
- $L = 818 \text{ mm}$

**XKEB LP/RP – XKEJ 350**

- XKEB LP – XKEJ 350
- XKEB RP – XKEJ 350
- $L = 818 \text{ mm}$
Replacement Roller transfer modules

Replacement Roller transfer modules, XL
Replacement roller transfer module, left-hand transmission
For configurations 8043382, 8043383, 8043344, 8043721
For configurations 8043385, 8043386, 8043387  8043415
8043900
Replacement roller transfer module, right-hand transmission
For configurations 8044301, 8044302, 8044303
For configurations 8044304, 8044305, 8044306  8044353
8044354

Replacement Roller transfer modules, X65
Replacement roller transfer module, left-hand transmission
For configurations 8044080, 8044078, 8044076, 8044075
For configurations 8044082, 8044084, 8044086  8043415
8043900
Replacement roller transfer module, right-hand transmission
For configurations 8044081, 8044079, 8044077
For configurations 8044083, 8044085, 8044087  8044353
8044354

Replacement Roller transfer modules, X85
Replacement roller transfer module, left-hand transmission
For configurations 8043388, 8043389, 8043390, 8043391
For configurations 8043392, 8043393, 8043394  8043415
8043900
Replacement roller transfer module, right-hand transmission
For configurations 8044307, 8044308, 8044309
For configurations 8044310, 8044311, 8044312  8044353
8044354

Replacement Roller transfer modules, XH
Replacement roller transfer module, left-hand transmission
For configurations 8043295, 8043396, 8043397, 8043398
For configurations 8043399, 8043400, 8043401  8043430
8043427
Replacement roller transfer module, right-hand transmission
For configurations 8044313, 8044314, 8044315
For configurations 8044316, 8044317, 8044318  8044355
8044356

Replacement Roller transfer modules, XK
Replacement roller transfer module, left-hand transmission
For configurations 8043402, 8043403, 8043404
For configurations 8043405, 8043406  8043415
8043900
Replacement roller transfer module, right-hand transmission
For configurations 8044319, 8044320, 8044321, 8044322  8044355
8044356

Replacement Roller transfer modules, X180
Replacement roller transfer module, left-hand transmission
For configurations 8043407, 8043723, 8043411
For configurations 8043409, 8043725  8043842
8043857
Replacement roller transfer module, right-hand transmission
For configurations 8044323, 8044324, 8044325, 8044326  8044357
8044358

Replacement Roller transfer modules, X300
Replacement roller transfer module, left-hand transmission
For configurations 8043408, 8043724, 8043412
For configurations 8043410, 8043726  8043907
8043879
Replacement roller transfer module, right-hand transmission
For configurations 8044325, 8044326, 8044327, 8044328  8044359
8044360
Replacement Belt transfer modules

Replacement Belt transfer modules, XL and X85
Replacement belt transfer module
For configurations 8043690, 8043691, 8043692, 8043693, 8043694, 8043695, 8043696, 8043697, 8043698, 8043699, 8043700, 8043701, 8043702, 8043722
8043792

For configurations 8044331, 8044332, 8044333, 8044334, 8044335, 8044336, 8044337, 8044338, 8044339, 8044340, 8044341, 8044342
8044361

Replacement Belt transfer modules, X65
Replacement belt transfer module
For configurations 8044096, 8044094, 8044092, 8044090, 8044098, 8044100, 8044102
8043792

For configurations 8044097, 8044095, 8044093, 8044099, 8044101, 8044103
8044361

Replacement Belt transfer modules, XH and XK
Replacement belt transfer module
For configurations 8043703, 8043704, 8043705, 8043706, 8043707, 8043708, 8043709, 8043710, 8043711, 8043712, 8043713, 8043714
8043793

For configurations 8044343, 8044344, 8044345, 8044346, 8044347, 8044348, 8044349, 8044350, 8044351, 8044352
8044362
The Driven Roller Bridge System provides a very flexible way of assisting in the transfer of products on WL FlexLink conveyors in a production line.

The system design is modular and consists of three Configurations:

**Configuration one** - transfer the products between Drive unit & Idler unit - including a bracing plate between Drive unit & Idler unit to maintain rigidity of the conveyor transfer

**Configuration two** - supplied for the transfer of Products going from the FlexLink WL conveyor onto a machine interface

**Configuration three** - supplied for the transfer of Products onto the FlexLink WL conveyor from a machine interface

**Standard features**
- **Robust** - Designed to operate as an integral part of the production line without reducing the stability of the conveyor system.
- **Clean** - Clean design with minimal dust or dirt ingress
- **Safe** - integrated guard over Drive mechanism prevent operator entanglement
- **Modular Design** - quick & easy interchangeability with ease of assembly & installation
- **Low Friction** - Low noise Design

**Materials**
- Roller BZP Steel with PVC Coating
- Side Plates - Stainless Steel
- Drive Roller - Thermoplastic Rubber Elastomer

**Operating Parameters**
- Max Conveyor Speed: ......................40 m/min
- Max Product Weight: ......................30kg

**Environment**
- Temperature: ......................10-35° C
- Relative Humidity: ......................60%

**NOTE!**
*Maximum product weight for Single Roller version: 30kg*

It is recommended that the Transfer is fully guarded upon line integration to ensure safe operation and reduce the risk of operator entanglement.
### Driven roller configurations

#### Driven Roller Bridge - Configuration 1

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Machine Code</th>
<th>L (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WLEB 0A322LP - Machine</td>
<td>8044561</td>
<td>380</td>
</tr>
<tr>
<td>WLEB 0A322RP - Machine</td>
<td>8044562</td>
<td></td>
</tr>
<tr>
<td>WLEB 0A322NLP - Machine</td>
<td>8044573</td>
<td></td>
</tr>
<tr>
<td>WLEB 0A322NRP - Machine</td>
<td>8044574</td>
<td></td>
</tr>
<tr>
<td>WLEB 0A424LP - Machine</td>
<td>8044565</td>
<td></td>
</tr>
<tr>
<td>WLEB 0A424RP - Machine</td>
<td>8044566</td>
<td></td>
</tr>
<tr>
<td>WLEB 0A424NLP - Machine</td>
<td>8044577</td>
<td></td>
</tr>
<tr>
<td>WLEB 0A424NRP - Machine</td>
<td>8044578</td>
<td></td>
</tr>
<tr>
<td>WLEB 0A626LP - Machine</td>
<td>8044569</td>
<td></td>
</tr>
<tr>
<td>WLEB 0A626RP - Machine</td>
<td>8044570</td>
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<tr>
<td>WLEB 0A626NLP - Machine</td>
<td>8044581</td>
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</tr>
<tr>
<td>WLEB 0A626NRP - Machine</td>
<td>8044582</td>
<td></td>
</tr>
</tbody>
</table>
Driven Roller Bridge - Configuration 2

- **WLEB 0A322LP - WLEJ300A322**
  - L: 716 mm
  - WLEB 0A322RP - WLEJ300A322
  - 8044563
  - 8044564

- **WLEB 0A322NLP - WLEJ300A322**
  - L: 716 mm
  - WLEB 0A322NRP - WLEJ300A322
  - 8044565
  - 8044566

- **WLEB 0A424LP - WLEJ300A424**
  - L: 716 mm
  - WLEB 0A424RP - WLEJ300A424
  - 8044570
  - 8044571

- **WLEB 0A424NLP - WLEJ300A424**
  - L: 716 mm
  - WLEB 0A424NRP - WLEJ300A424
  - 8044572
  - 8044573

- **WLEB 0A626LP - WLEJ300A626**
  - L: 716 mm
  - WLEB 0A626RP - WLEJ300A626
  - 8044574
  - 8044575

- **WLEB 0A626NLP - WLEJ300A626**
  - L: 716 mm
  - WLEB 0A626NRP - WLEJ300A626
  - 8044576
  - 8044577

- **WLEB 0A424LP - WLEJ300A424**
  - L: 716 mm
  - WLEB 0A424RP - WLEJ300A424
  - 8044567
  - 8044568
Driven Roller Bridge - Configuration 3

WLEJ 0A322 (LH) - Machine
WLEJ 0A322 (RH) - Machine

WLEJ 0A322 (LH) - Machine
WLEJ 0A322 (RH) - Machine
L= 380 mm

WLEB 0A424 (LH)- Machine
WLEB 0A424 (RH) - Machine

WLEB 0A424 (LH)- Machine
WLEB 0A424 (RH)- Machine
L= 380 mm

WLEJ 0A626 (LH)- Machine
WLEJ 0A626 (RH)- Machine

WLEJ 0A626 (LH)- Machine
WLEJ 0A626 (RH)- Machine
L= 380 mm

8044688
8044689

8044690
8044691

8044692
8044693
Driven Conveyor transfer for positive drive of products across conveyor transfers

FlexLink offers a range of inline pre-built driven conveyor transfers for the drive of products when feeding between conveyor drive & idler, Conveyor drive and machine, and idler unit & machine for the X85X, X180X and X300X Conveyors.

Modular Clean design:
Clean design with minimal dust ingress or dirt build up areas. The design follows the principles of a clean conveyor with easy of washing and minimal surface contact areas.

The design is modular allowing quick changeover in event of routine maintenance or breakdown.

Installation: Simple installation to standard conveyors using standard fittings.

Safety: It is recommended that the transfer is fully guarded on line integration to ensure safe design

Note!
It is recommended that the transfer is fully guarded on line integration to ensure a safe design.

Standard features
- **Benefits**: Design allows positive transfer of Products ensuring there are no products stalling across conveyor transfers
- **Compact Design**: The unit is both modular & compact. The unit is supplied as a complete module that can be integrated into any line new or existing.
- **Robust Design**: The system is robust and designed to operate within a production line without reducing the stability of the conveyor system
- **Configured options**: The unit is available in 2 standard options either belt or driven roller. The transfer is available in three different standard configurations.
Technical Specification:

The conveyor transfers are compatible with the X85X, X180X and X300X Conveyor system.

Drive options
The positive drive is given by two means:
- Option 1: driven belt on the transfer
- Option 2: driven roller design

Operating parameters
Max. conveyor speed: ...................... 60 m/min
Max. product weight:
X85X .................................................. 1.5 kg
X180X ............................................... 3 kg
X300X ............................................... 3 kg

Operating environment
Temperature ..................................... -20– +60 °C
Relative humidity .............................. 10%- 95% RH
Noise level 60 m/min ......................... 68 d(BA) or less

Configurations

Configuration one
Configuration one is a driven transfer from Drive unit to Idler unit inline

Configuration Two
Configuration two is a driven transfer from Drive unit with a machine interface

Configuration Three
Configuration three is a driven transfer onto an idler unit from a machine interface
## X85X Driven Roller Options

**Drive unit – machine**

<table>
<thead>
<tr>
<th>Roller</th>
<th>8080546</th>
<th>8080547</th>
</tr>
</thead>
<tbody>
<tr>
<td>XBEBX 0A85HNLP/HNRP – machine</td>
<td>8080546</td>
<td>8080547</td>
</tr>
</tbody>
</table>

**Idler unit – machine**

<table>
<thead>
<tr>
<th>Belt</th>
<th>8080676</th>
<th>8080677</th>
</tr>
</thead>
<tbody>
<tr>
<td>XBEBX 0A85HNLP/HNRP – machine</td>
<td>8080676</td>
<td>8080677</td>
</tr>
</tbody>
</table>

**In-line Transfer**

<table>
<thead>
<tr>
<th>Roller</th>
<th>8080550</th>
<th>8080551</th>
</tr>
</thead>
<tbody>
<tr>
<td>XBEBX 0A85HNLP/HNRP – XBEJX A85</td>
<td>8080550</td>
<td>8080551</td>
</tr>
</tbody>
</table>

## X85X Driven Belt Options

**Drive unit – machine**

<table>
<thead>
<tr>
<th>Belt</th>
<th>8080676</th>
<th>8080677</th>
</tr>
</thead>
<tbody>
<tr>
<td>XBEBX 0A85HNLP/HNRP – machine</td>
<td>8080676</td>
<td>8080677</td>
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</tbody>
</table>

**Idler unit – machine**

<table>
<thead>
<tr>
<th>Belt</th>
<th>8080678</th>
</tr>
</thead>
<tbody>
<tr>
<td>XBEJX A85 - Machine</td>
<td>8080678</td>
</tr>
</tbody>
</table>

**In-line Transfer**

<table>
<thead>
<tr>
<th>Belt</th>
<th>8080680</th>
<th>8080681</th>
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</thead>
<tbody>
<tr>
<td>XBEBX 0A85HNLP/HNRP – XBEJX A85</td>
<td>8080680</td>
<td>8080681</td>
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</table>
### X180X Driven Roller Options

**Drive unit – machine**

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>XBEBX 0A180HNLP/HNRP – machine</td>
<td>8080552</td>
</tr>
<tr>
<td>XBEBX 0A180HNRP – machine</td>
<td>8080553</td>
</tr>
</tbody>
</table>

**Idler unit – machine**

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>XBEJX A180 - Machine</td>
<td>8080554</td>
</tr>
</tbody>
</table>

**In-line Transfer**

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>XBEBX 0A180HNLP/HNRP – XBEJX A180</td>
<td>8080556</td>
</tr>
<tr>
<td>XBEBX 0A180HNRP – XBEJX A180</td>
<td>8080557</td>
</tr>
</tbody>
</table>

### X300X Driven Roller Options

**Drive unit – machine**

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>XBEBX 0A300HNLP/HNRP – machine</td>
<td>8080558</td>
</tr>
<tr>
<td>XBEBX 0A300HNRP – machine</td>
<td>8080559</td>
</tr>
</tbody>
</table>

**Idler unit – machine**

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>XBEJX A300 - Machine</td>
<td>8080560</td>
</tr>
</tbody>
</table>

**In-line Transfer**

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>XBEBX 0A300HNLP/HNRP – XBEJX A300</td>
<td>8080562</td>
</tr>
<tr>
<td>XBEBX 0A300HNRP – XBEJX A300</td>
<td>8080563</td>
</tr>
</tbody>
</table>
The driven spiral Transfer System provides a driven transfer of products onto or off a standard spiral Elevator

The system is available in belt transfer only and can be added to the Drive end or Tail end of the standard Spiral Elevator.

NOTE!
The fixed transmission guard is positioned to prevent accidental operator entanglement in the transmission. Due to the open nature of the spiral conveyor chain it is recommended that the transfer area is covered by a tunnel guard upon line integration to ensure a safe design.

Standard features

- **Safe** - all moving parts of the drive mechanism are covered to prevent operator entanglement
- **Radial Infeed Edge** - allowing closer integration to spiral for smoother product transfer
- **Modular Design** - quick & easy interchangeability with ease of installation

Materials

- Support Bracket ............. Aluminium Anodized
- Top Plate ..................... Stainless steel
- Transfer Belt ............... Polyurethane/Polyester
- Timing Belt, reinforced ... Polyurethane
- Rollers......................... Stainless steel
- Driven roller............... Aluminium Anodized

Ordering information

The item is available to order as an upgrade kit only.
Technical specification

The Transfer unit is compatible with the Drive and Tail end of Spiral 5995512

Operating parameters
Maximum running speed for the Spiral is 60 m/min
Maximum product load is 10 Kg.
Belt width is 180mm
Temperature
10–35 °C
Overall width of transfer unit including Transmission Guard 282 mm

Driven Transfer unit for Drive End (Shaft 20mm)

Driven Transfer unit for Drive End, Left Hand (Shaft 20 mm) 8080000
Driven Transfer unit for Drive End, Right Hand (Shaft 20 mm) 8080001
L= 588 mm

Driven Transfer unit for Drive end (Shaft 25mm)

Driven Transfer for Drive end, Left Hand (Shaft 25 mm) 8080011
Driven Transfer for Drive end, Left Hand (Shaft 25 mm) 8080012
L= 588 mm
FlexLink offers a range of pack rotation units. The unit allows a range of product sizes up to a maximum of 400 packs per minute to be rotated, clockwise or anti-clockwise.

The solution is configured at different running speeds to suit the track speed of the conveyor system. These configurations are available in either a left hand or right hand configuration depending on the required direction of rotation.

Configured speeds are available to suit Conveyor running track speeds of 20 m/min, 30 m/min, 40 m/min, 50 m/min and 60 m/min.
Standard features

- **Height Adjustment**: Height of rotation unit can be adjusted to suit different products
- **Rotation Adjustment**: The position of the rotating wheels can be adjusted to suit different rotation positions on the product.
- **Robust Design**: The system is robust and designed to avoid operator interface
- **Smooth product handling**: Smooth product rotation with minimal supervision/intervention required by the operator
- **Clockwise or anticlockwise rotation**: Rotation available in either clockwise or anticlockwise directions
- **Clean design**: Clean design with minimal dust ingress
- **Installation**: Simple installation to standard conveyors using standard fittings
- **Safety**: Safe fully guarded design
- **Non standard units**: Speeds outside of the standard range can be ordered.

Please contact EDS on eds@flexLink.com if you wish to order a non standard unit.
Technical specification:

FlexLink conveyor compatibility:
XL Conveyor system
X65 Conveyor system
X85 Conveyor system

Product specification
Minimum/Maximum product height
XL - 15mm - 90mm
X65 - 15mm - 90mm
X85 - 15mm - 75mm

Minimum/Maximum pack weight
Minimum Pack weight - 25 g
Maximum Pack weight - 250 g

Operating parameters
Product gap
The rotation units are designed to work with minimal gaps between the products. The gap between the products is very much dependant upon the product running on the system. The minimum gap between products to allow the pack rotation unit to function should be half the product length.

The rotation units are not designed to function with queues of product; the queue must have a minimum gap as indicated above.

General conveyor guide rail arrangement
The rotation units are designed to work with a special guide rail arrangement that allows the product to rotate. These arrangements can be seen in the layout specifications detailed below.

Note! Dimensions may vary dependent on pack size.

Functional operation
The rotation units operate with a production flow of free-flowing products. In the event that any downstream conveyors or equipment stops then the flow of products on the conveyor must be controlled.

The products that have passed through the rotation unit will accumulate against the downstream stoppage and build back towards the rotation unit. A photo-eye must be positioned across the conveyor approximately 1000mm in front of the pack rotation unit such that when the photo eye becomes covered the conveyors stop immediately to prevent build back into the rotation unit.

Power requirements
230 V 50 Hz single phase power supply. The unit is supplied complete with capacitor in mounting box. The capacitor must be used when connecting the motor. Capacitor supplied to be mounted on conveyor adjacent to rotation unit.

Standard plain chain or flocked
The rotation unit is designed to function on either plain or flocked conveyor chain.

Unit Speed

<table>
<thead>
<tr>
<th>Conveyor track speed [m/min]</th>
<th>Rotation unit speed [m/min]</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>24</td>
</tr>
<tr>
<td>30</td>
<td>36</td>
</tr>
<tr>
<td>40</td>
<td>48</td>
</tr>
<tr>
<td>50</td>
<td>60</td>
</tr>
<tr>
<td>60</td>
<td>72</td>
</tr>
</tbody>
</table>

Rotation
The Right Hand version of the rotation unit gives a clockwise rotation of products on the conveyor. The Left hand version of the rotation unit gives anti-clockwise rotation of products on the conveyor.
Clock wise product rotation

Pack rotation unit 90° Right hand

Pack rotation unit 90° Right hand
Pack rotation unit -20 m/min 8042407
Pack rotation unit -30 m/min 8042634
Pack rotation unit -40 m/min 8042638
Pack rotation unit -50 m/min 8042642
Pack rotation unit -60 m/min 8042646

Pack rotation unit 180° Right hand

Pack rotation unit 180° Right hand
Pack rotation unit -20 m/min 8042408
Pack rotation unit -30 m/min 8042635
Pack rotation unit -40 m/min 8042639
Pack rotation unit -50 m/min 8042643
Pack rotation unit -60 m/min 8042647

Anti-Clock wise product rotation

Pack rotation unit 90° Left hand

Pack rotation unit 90° Left hand
Pack rotation unit -20 m/min 8042411
Pack rotation unit -30 m/min 8042636
Pack rotation unit -40 m/min 8042640
Pack rotation unit -50 m/min 8042644
Pack rotation unit -60 m/min 8042648

Pack rotation unit 180° Left hand

Pack rotation unit 180° Left hand
Pack rotation unit -20 m/min 8042412
Pack rotation unit -30 m/min 8042637
Pack rotation unit -40 m/min 8042641
Pack rotation unit -50 m/min 8042645
Pack rotation unit -60 m/min 8042649
Guide rail set up

90° Rotation unit, general guidance on guide rail set up

![Diagram of 90° Rotation unit](image)

180° Rotation unit, general guidance on guide rail set up

![Diagram of 180° Rotation unit](image)

Standard guide rail items:

<table>
<thead>
<tr>
<th>Item</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guide rail</td>
<td>XLRS 3x15</td>
</tr>
<tr>
<td>Guide rail cover</td>
<td>XLRT 3x23</td>
</tr>
<tr>
<td>Guide rail bracket</td>
<td>XLRF 42x18V</td>
</tr>
<tr>
<td>Guide rail clamp support</td>
<td>XLRL 18x60 C</td>
</tr>
<tr>
<td>Guide rail clamp</td>
<td>XLRK 18x60 C</td>
</tr>
<tr>
<td>T-bolt</td>
<td>XLAT 17</td>
</tr>
<tr>
<td>Lock nut</td>
<td>XLAN 8</td>
</tr>
<tr>
<td>Washer</td>
<td>BRB 8,4x16</td>
</tr>
</tbody>
</table>

* Standard parts to be ordered separately

Extension for Rotation Unit

Extension for Rotation Unit 8042395
Extends manageable pack size with 20 mm
The manual adjustable guiding system provides a very flexible way to add fast width adjustment for conveyors in a production line.

The system offers fast and easy resetting of product guiding systems in production flows. The effect is increased line efficiency and safe product distribution throughout the line.

The system has a modular design and consists of straight guide units for guiding the side guides on the straight sections, and bends units for controlling the side guide widths on plain bends. Drive kits for applying movement to the side guides, and transmission and shaft kits that connect each of the units. There are also available a range of vertical bend kits for adapting guide rails for angled conveyors and additional items that allow for the side guide widths to be reduced in addition to the max/min range highlighted in the technical specification.

There are two configurations of the guide unit available: one above the conveyor (configuration 1), and one below the conveyor (configuration 2).

Configuration 1 is available in either one lane, two lane or four lane versions. There are two different heights available for configuration 1.

Configuration 2 is available in a one lane version only.

Bend units are supplied assembled with the relevant plain bend modules.

The options for guide rail are:
- XCBL 3x15x44 - for heavy duty applications
- XLRS 3x15 - for light applications

See Page 84

Standard features
- Central adjustment: With one hand wheel the complete length of conveyor side guides can be changed over in very short times. Changeover can be accessed from a floor mounted conveyor position or alternatively a floor mounted actuator kit will provide easy access for side guide adjustment on high level conveyors.
- Side guide setting and calibration: A dial gauge at the actuator position ensures accurate and repeatable adjustment.
- Robust design: The system is robust and designed to handle heavy products in accumulation.
- Guide rail options: The adjusting mechanism has been designed for use with either heavy or light guide rails. Guide rails are only available for pre-assembled bends.
## Technical specification

### Configuration 1

<table>
<thead>
<tr>
<th>Product width</th>
<th>Min / Max product widths for configuration 1</th>
<th>Min / Max product widths for configuration 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>XL</td>
<td>20 - 200 mm</td>
<td>XL</td>
</tr>
<tr>
<td>X65</td>
<td>20 - 200 mm</td>
<td>X65</td>
</tr>
<tr>
<td>X85</td>
<td>20 - 250 mm</td>
<td>X85</td>
</tr>
<tr>
<td>XH</td>
<td>20 - 350 mm</td>
<td>XH</td>
</tr>
<tr>
<td>XK</td>
<td>20 - 350 mm</td>
<td>XK</td>
</tr>
<tr>
<td>X180</td>
<td>70 - 450 mm</td>
<td>X180</td>
</tr>
<tr>
<td>X300</td>
<td>70 - 450 mm</td>
<td>X300</td>
</tr>
</tbody>
</table>

### Loadings

- Max vertical load - 100 N
- Max horizontal load - 300 N

### Max. distance between adjusting units

- 700 mm for XLRS 3x15
- 1000 mm for XCBL 3x15x44

Max numbers of adjusting units per adjusting hand wheel - 12 off
Part numbering – configuration strings

Below, three examples of text strings obtained from the configurator with explanations are presented.

1. Frame above conveyor, single lane, X85, height of frame 250 mm, guide rail type XCBL Lx15x44

<table>
<thead>
<tr>
<th>Item no</th>
<th>AA</th>
<th>BB</th>
<th>CC</th>
</tr>
</thead>
<tbody>
<tr>
<td>8042040</td>
<td>020</td>
<td>110</td>
<td>220</td>
</tr>
</tbody>
</table>

2. Frame underneath conveyor, single lane, X85, height of frame 400 mm, guide rail type XLRS 3x15

<table>
<thead>
<tr>
<th>Item no</th>
<th>AA</th>
<th>BB</th>
<th>CC</th>
</tr>
</thead>
<tbody>
<tr>
<td>8042042</td>
<td>020</td>
<td>120</td>
<td>210</td>
</tr>
</tbody>
</table>

3. Frame above conveyor, single lane bend, X85, height of frame 250 mm, guide rail type XCBL Lx15x44, bend angle 45° and bend radius 700.

<table>
<thead>
<tr>
<th>Item no</th>
<th>AA</th>
<th>BB</th>
<th>CC</th>
<th>DD</th>
<th>EE</th>
</tr>
</thead>
<tbody>
<tr>
<td>8042076</td>
<td>020</td>
<td>110</td>
<td>220</td>
<td>320</td>
<td>420</td>
</tr>
</tbody>
</table>

Configurator keys

**AA – Conveyor type**

- 010: XL
- 020: X85
- 030: XH
- 040: XK
- 050: X180
- 060: X300
- 070: X65

**BB – Height of frame**

- 110: 250 mm
- 120: 400 mm

**CC – Guide rail type**

- 210: XLRS 3x15
- 220: XCBL Lx15x44

**DD – Bend angle**

- 310: 30°
- 320: 45°
- 330: 60°
- 340: 90°
- 390: Special angle

**EE – Bend radius**

- 410: R500
- 420: R700
- 430: R1000
- 440: R1200
- 450: R1400
- 460: R1600
- 490: Special radius

For configuration and pricing please send requirements to EDS@flexlink.com or contact your local SU.
Manual adjustable guiding system

Configuration 1 - Frame above conveyor

Single lane

Guide unit, single lane, frame above conveyor

Single lane bend

Guide unit, single lane bend, frame above conveyor

Note! Bend included

Single lane bend

Guide unit, single lane bend, frame above conveyor

Note! Bend included
Configuration 1 - Frame above conveyor (continued)

Twin lane

Guide unit, twin lane, frame above conveyor

8042048-AA-BB-CC

Twin lane bend

Guide unit, twin lane bend, frame above conveyor

Note! Bends included

8042084-AA-BB-CC-DD-EE
Configuration 1 - Frame above conveyor (continued)

Four lane

Guide unit, four lane, frame above conveyor

![Four lane guide unit](image1)

8042050-AA-BB-CC

Four lane bend

Guide unit, four lane bend, frame above conveyor

*Note! Bends included*

![Four lane bend guide unit](image2)

8042086-AA-BB-CC-DD-EE
**Configuration 2 - Frame underneath conveyor**

**Single lane**

Guide unit, single lane, frame underneath conveyor

![Diagram of single lane guide unit]

8042042-AA-CC

**Single lane**

Guide unit, single lane, frame underneath conveyor

![Diagram of single lane guide unit]

8042046-AA-CC

**Single lane bend**

Guide unit, single lane bend, frame underneath conveyor

*Note! Bend included*

![Diagram of single lane bend guide unit]

8042079-AA-CC-DD-EE

**Single lane bend**

Guide unit, single lane bend, frame underneath conveyor

*Note! Bend included*

![Diagram of single lane bend guide unit]

8042082-AA-CC-DD-EE
Guiding rail system components

**Guide rail**

**Small beam 15×44**

Small beam 15 mm × 44 mm  
Lightweight design  
Aluminium, anodized  
Length 3 m (3030 ±5 mm)  
Length to order (30-3000 mm)  
End cap, polyamide  
*Note. Must be ordered in multiples of 10*

**Guide rail 15 mm, aluminium**

Straight rail 15 mm  
Aluminium, length 3 m  
*Note. Must be ordered in multiples of 10*

**End plug, 15 mm**

End plug, 15 mm  
*Note. Must be ordered in multiples of 10*

**Drive kit**

**Drive kit**

Drive kit (suspended)  
Note! Use tube 8042090 for extension (not included), this tube can also be sourced locally

---

8042027  
8042090  
8042028
Conveyor bypass (outside)

Transmission kit

Guide rail components

Connectin strip

Connecting strip with set screws XLCJ 5x140

Note. Must be ordered in multiples of 10

Connecting sleeve

Including set screws. For connecting two 10 mm or 15 mm XLRS guide rails end to end.

Guide rail cover, flanged, for 15 mm aluminium guide rail

Guide rail cover for 15 mm guide rail Polyethylene, length 3 m, flanged XLRT 3x33 D

Note! Use tube 8042090 for extension not included), this tube can also be sourced locally

8042090

8042090

8042024

8042022

XLCJ 5x140

XLRJ 100

FlexLink®

Guiding rail system components 85
Vertical bends kit for XCBL 3x15x44

**Corner fitting 5°**
- Steel, electro-zinc-plated
- 8042093
- Note. Must be ordered in multiples of 10
  - Including set screws

**Corner fitting 7°**
- Steel, electro-zinc-plated
- 8042094
- Note. Must be ordered in multiples of 10
  - Including set screws

**Corner fitting 15°**
- Steel, electro-zinc-plated
- 8042095
- Note. Must be ordered in multiples of 10
  - Including set screws

**Corner fitting 30°**
- Steel, electro-zinc-plated
- 8042096
- Note. Must be ordered in multiples of 10
  - Including set screws

**Corner fitting 45°**
- Steel, electro-zinc-plated
- XMRW 20×45
- Note. Must be ordered in multiples of 10
  - Including set screws

**Corner fitting (custom angle)**
- Steel, electro-zinc-plated
- 8042097
- Note. Must be ordered in multiples of 10
  - Including set screws
Product width reduction

**Distance piece (plastic)**

![Image of distance piece (plastic)](image)

Distance piece (plastic POM C, black)
Thickness 6 mm

*Note. Fixing not provided
Must be ordered in multiples of 10*

**Distance piece (aluminium)**

![Image of distance piece (aluminium)](image)

Distance piece (aluminium)
Thickness 6,25 mm

*Suitable, longer T-bolts
Note. Must be ordered in multiples of 10*

**Transmission tube (anodised)**

![Image of transmission tube (anodised)](image)

Tube (anodised)

*This tube can also be sourced locally*

8042092

More information

Variations from standard modules are available and can be configured to suit specific customer requirements. Please contact your local FlexLink sales unit for more information.
The horizontal gate mechanism is designed to allow access through a conveyor system for movement of personnel and materials when access and floor space is limited, and normal access routes are unavailable.

The unit is supplied as a mechanism only - the integration of this device is to be carried out during the line design phase.

Standard features

- **Rotation Adjustment:** The hinge mechanism can be positioned to allow for rotation of the conveyor centred around a standard support leg.

- **Position detection:** The design allows for position sensing of the mechanism in the closed position

*Note. Sensor not supplied.*

- **Clockwise or counter clockwise rotation:** Rotation available in either clockwise or anticlockwise directions

- **Robust design:** The mechanism is strong and durable and designed for maximum rigidity after repeated use

- **Clean design:** Clean design with min dust ingress where possible

- **Installation:** Simple installation to support legs using standard fittings

- **Safety:** Safe fully guarded design
Technical specification:

FlexLink conveyor compatibility:
The mechanism is designed to be suitable for XS, XL, X85, XH, XK, X180 & X300 Aluminium Conveyor platforms and X85X, X180X & X300X Stainless Steel Conveyor platforms.
The design of support is available for 3 types of standard support leg, standard XCBM Lx64, standard XCBL/XCBM Lx88 Aluminium extrusions and standard XCBMX Lx48 Stainless Steel Support Profile.
The Stainless steel mechanism comes fully fitted with 1m of XCBMX Support Profile which can be cut to suit the required conveyor height.

Horizontal hinge mechanism

### Hinge mechanism for 64x64 Extrusion

![Hinge mechanism](image)

**Hinge mechanism**

8044495

*Note. Must be used with XCBM Lx64*

### Hinge mechanism for 88x88 Extrusion

![Hinge mechanism](image)

**Hinge mechanism**

8044490

### Hinge mechanism for XCBMX Lx48

![Hinge mechanism](image)

**Hinge mechanism**

8044499

*Note! length of tube is 1 m.*

### Bolt Down Foot, Stainless steel

![Bolt Down Foot](image)

**Bolt Down Foot, Stainless steel**

8044509

*Ø 13*

**Installation Notes!**

- The Support foot will need to be secured to the floor in order for the Rotation mechanism to function correctly and safely.
- It is recommended to have a castor mounted foot to the moving end of the Gate conveyor top allow for easier operation.
- Use item 8044509 when using XCFG 48 D, XCFG 48 DJ or XCFG 48 T to secure support leg to floor.
The vertical gate mechanism is designed to allow access through a conveyor system for movement of personnel and materials when access and floor space is limited, and normal access routes are unavailable.

The unit is supplied as a mechanism only - the integration of this device is to be carried out during the line design phase.

Standard features

- **Rotation Adjustment**: The hinge mechanism can be positioned to allow for rotation of the conveyor centred around a standard support leg.

- **Robust design**: The mechanism is strong and durable and designed for maximum rigidity after repeated use.

- **Clean design**: Clean design with minimum dust ingress where possible.

- **Installation**: Simple installation to support legs using standard fittings.

- **Safety**: Safe fully guarded design.

Please contact EDS on eds@flexLink.com if you wish to order a non standard unit.
Technical specification

FlexLink conveyor compatibility
The mechanism is designed to be suitable for XL, X85, XH, XK, X180 & X300 Aluminium Conveyor platforms
The design is available in different width configurations to be able to suit different applications and positions

Vertical hinge mechanism

**Vertical Hinge Mechanism XL, X85, XH, XK, X180 & X300**

**Installation Note**
- Conveyor supports will need to be secured to the floor in order for the rotation unit to function correctly & safely
- It is recommended when using a vertical gate conveyor to use a guided drive unit to eliminate risks from Catenary chain
- When using this mechanism it is critical to include a stay or gas spring to hold the conveyor in upright position.
- The Stay/spring will need to be engineered to suit the specific conveyor dimensions and weights used in each application

**Typical assembly**
Standard Support items:

Support beams 64 mm

Support beam 64×64

Support beam 64 mm × 64 mm
Length 3 m (3030 ±5 mm)
Length to order (30-3000 mm)
End cap, polyamide

XCBM 3×64
XCBM L×64
XCBE 64*

*Note. Must be ordered in multiples of 10

Support beams 88 mm

Support beam 88×88

Support beam 88 mm × 88 mm
Length 3 m (3030 ±5 mm)
Length to order (30-3000 mm)
End cap, polyamide

XCBM 3×88
XCBM L×88
XCBE 88*

*Note. Must be ordered in multiples of 10

Support beam 88×88, lightweight

Support beam 88 mm × 88 mm, light
Length 3 m (3030 ±5 mm)
Length to order (30-3000 mm)
End cap, polyamide

XCBL 3×88
XCBL L×88
XCBE 88*

*Note. Must be ordered in multiples of 10
### Angle brackets and mounting plates

<table>
<thead>
<tr>
<th>Description</th>
<th>Image</th>
<th>Dimensions</th>
<th>Material</th>
<th>Code</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angle bracket, die-cast, 42\times42\times38</td>
<td><img src="angle_bracket_1.png" alt="Image" /></td>
<td>42\times42\times38</td>
<td>Aluminium, die-cast</td>
<td>XCFA 44 B</td>
<td>For use with 44\times44 mm and 64\times64 mm beams. Mounting: M6\times16 (2), BRB 8,4\times16 (2), XCAN 8 (2).</td>
</tr>
<tr>
<td>Angle bracket, die-cast, 80\times42\times38</td>
<td><img src="angle_bracket_2.png" alt="Image" /></td>
<td>80\times42\times38</td>
<td>Aluminium, die-cast</td>
<td>XCFA 44 C</td>
<td>For use with 44\times44 mm and 64\times64 mm beams. Mounting: M6\times16 (3), BRB 8,4\times16 (3), XCAN 8 (3).</td>
</tr>
<tr>
<td>Angle bracket, die-cast, 80\times80\times82</td>
<td><img src="angle_bracket_3.png" alt="Image" /></td>
<td>80\times80\times82</td>
<td>Aluminium, die-cast</td>
<td>XCFA 88 A</td>
<td>For use with 88\times88 mm beams. Mounting: M6\times16 (8), BRB 8,4\times16 (8), XCAN 8 (8).</td>
</tr>
<tr>
<td>Angle bracket, die-cast, 42\times42\times82</td>
<td><img src="angle_bracket_4.png" alt="Image" /></td>
<td>42\times42\times82</td>
<td>Aluminium, die-cast</td>
<td>XCFA 88 B</td>
<td>For use with 88\times88 mm beams. Mounting: M6\times16 (4), BRB 8,4\times16 (4), XCAN 8 (4).</td>
</tr>
</tbody>
</table>

### Feet, die-cast

<table>
<thead>
<tr>
<th>Description</th>
<th>Image</th>
<th>Dimensions</th>
<th>Material</th>
<th>Code</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Foot 44\times130</td>
<td><img src="foot_1.png" alt="Image" /></td>
<td>44\times130</td>
<td>Aluminium, die-cast</td>
<td>XCFF 44\times130</td>
<td>Maximum bending moment 250 Nm. Including fastener kit.</td>
</tr>
<tr>
<td>Foot 64\times210</td>
<td><img src="foot_2.png" alt="Image" /></td>
<td>64\times210</td>
<td>Aluminium, die-cast</td>
<td>XCFF 64\times210</td>
<td>Maximum bending moment 750 Nm. Including fastener kit.</td>
</tr>
<tr>
<td>Foot 88\times260</td>
<td><img src="foot_3.png" alt="Image" /></td>
<td>88\times260</td>
<td>Aluminium, die-cast</td>
<td>XCFF 88\times260</td>
<td>Maximum bending moment 1500 Nm. Including fastener kit.</td>
</tr>
</tbody>
</table>
Beam support brackets Type CT

Beam support bracket – diecast aluminium

**XLCT 11×100 C**

For 64 mm or 88 mm crossing support beam.
Cannot be used with drip trays
Mounting: XLAT 17 (1), XLAN 8 (1), XCAN 8 (1 or 2), M6S 8×16 (1 or 2), BRB 8,4×16 (2 or 3)
Incl. Cap 5110134 (1)
Cap, Beam support bracket 5110196
Kit contains 25 pcs

Beam support bracket – aluminium

**XLCT 21×135 B**

For 64 or 88 mm crossing support beam
Mounting: XLAT 17 (2), XLAN 8 (2), XCAN 8 (2), M6S 8×16 (2), BRB 8,4×16 (4)

Beam support bracket – aluminium

**XLCT 21×158 R**

For 88 mm crossing support beam
Mounting: XLAT 24 (2), XLAN 8 (2), XCAN 8 (2), M6S 8×16 (2), BRB 8,4×16 (4)
Beam support brackets Type CS

**Beam support bracket – aluminium, for 44 mm vertical support beam**

- **XCS 44**
- **XLCS 44**

**Beam support bracket**
- **For XS conveyor.** Fig. A, C
- **For XL conveyor.** Fig. B, C

For 44 mm vertical support beam

**Mounting:** XLAT 17 (1), XLAN 8 (1), XCAN 8 (2), M6S 8×16 (2), BRB 8,4×16 (3)

**Beam support bracket, diecast aluminium, for 64 mm vertical support beam**

- **XMCS 64 C**

**Beam support bracket for X85, Type CS**
- **Aluminium, diecast**

For 64 mm vertical support beam

Cannot be used with drip trays

**Mounting:** XLAT 17 (1), XLAN 8 (1), XCAN 8 (1), M6S 8×16 (1), BRB 8,4×16 (2)

For support of X85 in-line transfer units, order M6S 8×16 screw instead of the XLAT 17 T-slot screw. Incl. Cap 5110134 (2)

Cap, Beam support bracket
- **5110196**

Kit contains 25 pcs

**Beam support bracket – aluminium, for 64 mm vertical support beam**

- **XCS 64**
- **XLCS 64**

**Beam support bracket, Type CS**
- **For XS conveyor.** Figure A, D
  - A=180 mm, B=156 mm
- **For XL conveyor.** Figure B, D
  - A=180 mm, B=156 mm
- **For XH conveyor.** Figure C, D
  - A=200 mm, B=176 mm

For 64 mm vertical support beam

**Mounting:** XLAT 17 (2), XLAN 8 (2), XCAN 8 (2), M6S 8×16 (2), BRB 8,4×16 (4)

**Beam support bracket – aluminium, for 88 mm vertical support beam**

- **XLCS 88**
- **XMCS 88 B**
- **XHCS 88 B**
- **XKCS 88 R*”**

**Beam support bracket, Type CS**
- **For XL conveyor.** Fig. A, E
  - A=180 mm, B=151 mm
- **For X85 conveyor.** Fig. B, E
  - A=200 mm, B=171 mm
- **For XH conveyor.** Fig. C, E
  - A=200 mm, B=171 mm
- **For XK conveyor.** Fig. D, E
  - A=219 mm, B=190 mm

For 88 mm vertical support beam

**Mounting:** XLAT 17* (2), XLAN 8 (2), XCAN 8 (2), M6S 8×16 (2), BRB 8,4×16 (4)

* Use T-slot screw XLAT 24 (2) and M6S 8×20 (2) with XKCS 88 R. (XLAT 17 and M6S 8×16 are too short.)
Beam support brackets Type CS, polyamide

**Beam support bracket – polyamide**

**XLCS 64 P**

For XL conveyor with 64 mm vertical support beam. Also suitable for XS conveyor with 44 mm vertical support beam.

Mounting: XLAT 17 (2), XLAN 8 (2), XCAN 8 (2), M6S 8x16 (2), BRB 8x4x16 (4)

**Beam support bracket – polyamide**

**XMCS 64 P**

For X85 conveyor with 64 mm vertical support beam. Also suitable for XL conveyor with 44 mm vertical support beam.

Mounting: XLAT 17 (2), XLAN 8 (2), XCAN 8 (2), M6S 8x16 (2), BRB 8x4x16 (4)

**Beam support bracket – polyamide**

**XHCS 64 P**

For XH conveyor with 64 mm vertical support beam. Also suitable for X85 conveyor with 44 mm vertical support beam.

Mounting: XLAT 17 (2), XLAN 8 (2), XCAN 8 (2), M6S 8x16 (2), BRB 8x4x16 (4)

**Nut cover plug**

**XLA 26**

For polyamide beam support brackets

Note. Must be ordered in multiples of 10

**Nut cover plug for elongated hole**

**XLA 26 E**

For polyamide beam support brackets

Note. Must be ordered in multiples of 10
Beam support brackets Type CU

Beam support bracket – aluminium

Beam support bracket, Type CU  **XLCU 73**

For support of 180° wheel bend with 88 mm vertical support beam. For conveyor systems XL, X85, XH
Mounting: XLAT 17 (2), XLAN 8 (2), XCAN 8 (4), M6S 8×16 (4), BRB 8,4×16 (6)

Adjustable feet

Adjustable foot, polyamide, M12

Adjustable foot
PA + steel, electro-zinc-plated
M12 thread
**XCFS 12×60×71**

Including nut. Maximum vertical load 15000 N
Mounting: XCFE .. M12.

End plates

End plate for beam 44×44, M8 thread

End plate for beam 44×44, M8 thread
M8 thread
Zinc, die-cast
**XCFE 44 M8**
Mounting: MC6S 6×30 (4)

End plate for beam 44×44, M12 thread

End plate for beam 44×44, M12 thread
M12 thread
Zinc, die-cast
**XCFE 44 M12**
Mounting: MC6S 6×30 (4)
Polyamide feet

End plate for beam 64×64, M12 thread

End plate for beam 88×88, M12 thread

Three-point foot for 64 mm beam

Three-point foot for 88 mm beam

Two-point foot for 64 mm beam

Foot for height adjustment assembly

Adjustable foot for XEFG

Vibration absorber

End plate for beam
XCBL/XCBM ×64
M12 thread
Zinc, die-cast
Mounting: MC6S 6×30 (4)

End plate for beam
XCBL/XCBM ×88
M12 thread
Zinc, die-cast
Mounting: MC6S 6×30 (4)

Three-point foot for XC... 64 beam
D=64 mm
Polyamide, glass-fibre reinforced
Including screws and clamps.
Maximum vertical load 800 N.

Three-point foot for XEFU 500
D=70 mm
Polyamide, glass-fibre reinforced
Including screws and clamps.
Maximum vertical load 800 N.

Two-point foot for XC... 64 beam
D=64 mm
Polyamide, glass-fibre reinforced
Including screws and clamps.
Maximum vertical load 800 N.

Adjustable foot for XEFG 64/70 T/D
With ball joint and M20 locking nut
Polyamide, glass-fibre reinforced
Maximum vertical load 500 N

Vibration absorber for XLFS 20 P
Thermoplastic polyester

XCFE 64 M12A
XCFE 88 M12A
XEFG 64 T
XEFG 64 D
XEFG 70 T
XLFS 20 P
XLFJ 69
Height adjustment assembly

Square section tube height adjustment assembly
Length 500 mm
Aluminium, anodized

XEFU 500

To be used with foot type XEFG 70 T. Including locking levers.
Support system components, X85X, X180X, X300X

Beam support bracket X85X
Beam support bracket, straight beam 5114653
Stainless steel

Beam support bracket X180X
Beam support bracket, straight beam 5114654
Stainless steel

Beam support bracket X300X
Beam support bracket, straight beam 5114655
Stainless steel

Beam support bracket
Beam support bracket
Reinforced polyamide. (2) Screw M6S 10x35 A4, (2) Hex domed cap nut MHM M10 A4, and (2) Washer BRB 10.5x20 A4 in stainless steel (not included)

For mounting hardware, see chapter Fasteners (FST) in Product catalogue 5147.
Support legs

Support profile

Support profile
Stainless steel
Length 3 m ± 20 mm
Length to order

XCBMX 3×48
XCBMX L×48

Polyamide foot, 3-point

Three-point foot
Reinforced polyamide
Threaded bushings and spacers in nickel plated brass
(Adjustable foot XCFS 16×60×65 not included)

XCFG 48 T

Guide roller

Guide roller
Steel, electro-zinc-plated

XCAG 80 A

Mounting: XCAN 8 or XCFE .. M12. Maximum vertical load 600 N. Including fastener kit

Guide roller with multistop brake

Guide roller with multistop brake
Steel, electro-zinc-plated

XCAG 80 BA

Mounting: XCAN 8 or XCFE .. M12. Maximum vertical load 600 N. Including fastener kit

T-connector

T-connector
Reinforced polyamide, screws and nuts in stainless steel

5114962

Polyamide foot, 2-point

Two-point foot. Reinforced polyamide
Threaded bushings and spacers in nickel plated brass
(Adjustable foot XCFS 16×60×65 not included)

XCFG 48 D

Polyamide foot, 2-point with joint

Two-point foot. Reinforced polyamide
Threaded bushings and spacers in nickel plated brass
(Adjustable foot XCFS 16×60×65 not included)

XCFG 48 DJ
Drip Tray Solution

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A stainless steel Drip tray solution

FlexLink offers a range of horizontal & vertical stainless steel drip trays. The drip tray is designed for horizontal conveyor bends and non standard vertical conveyor bends. The trays integrate to the existing standard drip tray design.

Standard features

- Sloping surfaces inside tray direct fluid into the existing drip tray
- Modular Design - quick and easy interchangeability with ease of assembly and installation using standard fixings
- Solutions available for Vertical bends to integrate to the existing drip tray system
- Solutions available for horizontal plain bends to integrate to the existing drip tray system

FlexLink conveyor compatibility:
Compatible with XS, XL, X85, XH and XK FlexLink Conveyor platforms

Materials:
Drip Tray in Stainless Steel

This item is not available in Webshop - contact your local Sales unit for information.
### Drip Tray system XS

#### Drip Tray for XS Plain bends

<table>
<thead>
<tr>
<th>Drip pan</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drip pan for XSBP 30R500</td>
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<tr>
<td>Drip pan for XSBP 30R700</td>
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<td>Drip pan for XSBP 30R1000</td>
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<tr>
<td>* Drip pan for XS plain bend special angle, radius</td>
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* Please contact EDS on eds@flexLink.com with requirements

---

#### Drip Tray for XS Vertical bends

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<td>Drip pan, lower for XSBV 5R300</td>
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<td>Drip pan, upper for XSBV 90R300</td>
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<tr>
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<td>8042463</td>
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</table>
Drip Tray system XL

Drip Tray for XL Plain bends

- Drip pan for XLBP 30R300
- Drip pan for XLBP 30R500
- Drip pan for XLBP 30R700
- Drip pan for XLBP 30R1000
- Drip pan for XLBP 45R300
- Drip pan for XLBP 45R500
- Drip pan for XLBP 45R700
- Drip pan for XLBP 45R1000
- Drip pan for XLBP 60R500
- Drip pan for XLBP 60R700
- Drip pan for XLBP 60R1000
- Drip pan for XLBP 90R300
- Drip pan for XLBP 90R500
- Drip pan for XLBP 90R700
- Drip pan for XLBP 90R1000

* Drip pan for XL plain bend special angle, radius

- Drip pan, upper for XLBP 30R300
- Drip pan, lower for XLBP 30R300
- Drip pan, upper for XLBP 45R300
- Drip pan, lower for XLBP 45R300
- Drip pan, upper for XLBP 60R300
- Drip pan, lower for XLBP 60R300
- Drip pan, upper for XLBP 90R300
- Drip pan, lower for XLBP 90R300

* Drip pan, upper for XL vertical bend special angle, radius
* Drip pan, lower for XL vertical bend special angle, radius

* Please contact EDS on eds@flexLink.com with requirements
Drip Tray system X85

Drip Tray for X85 Plain bends

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* Please contact EDS on eds@flexLink.com with requirements

Drip Tray for X85 Vertical bends

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<tr>
<td>* Drip pan, lower for X85 vertical bend special angle, radius</td>
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</table>
Drip Tray system XH

Drip Tray for XH Plain bends

Drip pan

Drip pan for XHBP 30R500 8042542
Drip pan for XHBP 30R700 8042543
Drip pan for XHBP 30R1000 8042544
Drip pan for XHBP 45R500 8042545
Drip pan for XHBP 45R700 8042546
Drip pan for XHBP 45R1000 8042547
Drip pan for XHBP 60R500 8042548
Drip pan for XHBP 60R700 8042549
Drip pan for XHBP 60R1000 8042550
Drip pan for XHBP 90R500 8042551
Drip pan for XHBP 90R700 8042552
Drip pan for XHBP 90R1000 8042553

* Drip pan for XH Plain bend special angle, radius 8042554

Drip Tray for XH Vertical bends

Drip pan

Drip pan, upper for XHBV 5R400 8042555
Drip pan, lower for XHBV 5R400 8042556
Drip pan, upper for XHBV 7R400 8042557
Drip pan, lower for XHBV 7R400 8042558
Drip pan, upper for XHBV 15R400 8042559
Drip pan, lower for XHBV 15R400 8042560
Drip pan, upper for XHBV 30R400 8042561
Drip pan, lower for XHBV 30R400 8042562
Drip pan, upper for XHBV 45R400 8042563
Drip pan, lower for XHBV 45R400 8042564
Drip pan, upper for XHBV 45R1000 8042565
Drip pan, lower for XHBV 45R1000 8042566
Drip pan, upper for XHBV 60R400 8042567
Drip pan, lower for XHBV 60R400 8042568
Drip pan, upper for XHBV 90R1000 8042569
Drip pan, lower for XHBV 90R1000 8042570

* Drip pan, upper for XH vertical bend special angle, radius 8042571

* Drip pan, lower for XH vertical bend special angle, radius 8042572

* Please contact EDS on eds@flexLink.com with requirements
Drip Tray system XK

Drip Tray for XK Plain bends

Drip pan

Drip pan for XKBP 30R500  8042573
Drip pan for XKBP 30R700  8042574
Drip pan for XKBP 30R1000  8042575
Drip pan for XKBP 45R500  8042576
Drip pan for XKBP 45R700  8042577
Drip pan for XKBP 45R1000  8042578
Drip pan for XKBP 60R500  8042579
Drip pan for XKBP 60R700  8042580
Drip pan for XKBP 60R1000  8042581
Drip pan for XKBP 90R500  8042582
Drip pan for XKBP 90R700  8042583
Drip pan for XKBP 90R1000  8042584
* Drip pan for plain XK bend special angle, radius  8042585

Drip Tray for XK Vertical bends

Drip pan

Drip pan, upper for XKBV 5R750  8042586
Drip pan, lower for XKBV 5R750  8042587
Drip pan, upper for XKBV 15R750  8042588
Drip pan, lower for XKBV 15R750  8042589
Drip pan, upper for XKBV 30R750  8042590
Drip pan, lower for XKBV 30R750  8042591
Drip pan, upper for XKBV 45R750  8042592
Drip pan, lower for XKBV 45R750  8042593
Drip pan, upper for XKBV 60R750  8042594
Drip pan, lower for XKBV 60R750  8042595
Drip pan, upper for XKBV 90R750  8042596
* Drip pan, upper for XK vertical bend special angle, radius  8042597
* Drip pan, lower for XK vertical bend special angle, radius  8042598

* Please contact EDS on eds@flexLink.com with requirements
**A wide stainless steel drip tray solution**

*FlexLink offers a stainless steel drip tray for use in handling oily or wet components. The tray has increased width for wider handled products*

**Standard features**
- Sloping surfaces inside tray direct fluid to drainage points
- Integrated common tray and conveyor supports
- Modular design - quick and easy interchange ability with ease of assembly and installation
- Solutions available for wheel bends
- Solutions available for vertical bends
- Solutions available for drive and idler units

**FlexLink conveyor compatibility:**
The system is designed around XH conveyor system but can be quickly adapted to suit the range of FlexLink conveyors

**Materials:**
- Conveyor support in stainless steel
- Support bracket in stainless steel
- Drip tray in stainless steel

This item is not available in Webshop - contact your local Sales unit for information.
Wide drip tray

Drip tray length 3m 8042370
Drip tray length Cut to length 8042205

Drip tray connectors and joining sections

Drip tray connector 8042204
Drip tray connector (with drip outlet) 8043272
Drip tray joining section LH 8042218
Drip tray joining section RH 8042235
Drip pan for wheel bends and vertical bends

30° Drip pan assembly kit

30° Drip pan assembly kit 8042363

Drip pan for wheel bend 30°

Drip pan for wheel bend 30° 8042209

45° Drip pan assembly kit

45° Drip pan assembly kit 8042364

Drip pan for wheel bend 45°

Drip pan for wheel bend 45° 8042212

90° Drip pan assembly kit

90° Drip pan assembly kit 8042362

Drip pan for wheel bend 90°

Drip pan for wheel bend 90° 8042201
Drip pan for idler unit, drive units

Drip pan assembly kit idler unit
Drip pan assembly kit idler 8042365
End pan for idler unit
End pan for idler unit 8042221
Drip pan assembly kit drive unit LH
Drip pan assembly kit drive unit LH 8042366
End pan for drive unit LH
End pan for drive unit LH 8042357
Drip pan assembly kit drive unit RH
Drip pan assembly kit drive RH 8042367
End pan for drive unit RH
End pan for drive unit RH 8042358

A wide stainless steel drip tray solution
Drip pan for idler unit, drive units (continued)

Drip pan assembly kit drive LH - idler

End pan for drive unit - idler transfer (RH)

End pan for drive unit - idler transfer (LH)

Drip pan assembly kit drive RH - idler

End pan for drive unit - idler transfer (RH) 8042355

End pan for drive unit - idler transfer (LH) 8042356

Drip pan assembly kit drive LH - idler 8042369

Drip pan assembly kit drive RH - idler 8042368
Support brackets

Support bracket drip tray

Support bracket drip tray (including fasteners) 8042373

Support bracket drip tray

Support bracket drip tray (including fasteners) 8042379

Support bracket drip tray

Support bracket drip tray (including fasteners) 8042380
FlexLink offers two height adjustment die cast feet for the levelling and alignment of conveyor support legs. The unit allows fine tuning of the support leg position via foot adjustment.

The mechanism includes the ability to drill and secure the support leg to the floor in its final position.

Standard features

- **Vertical and horizontal leg Adjustment**: Simple & accurate method of adjusting the vertical and horizontal alignment of the FlexLink die cast foot on both 64 & 88 support leg sections sizes.
- **Robust Design**: The system is robust Rigidity & stability of the support is maintained post installation
- **Clean design**: Support foot elevated from the floor allowing blow down to clear dust debris
- **Safety**: Safe design with no sharp edges or corners
- **Installation**: Simple installation to standard extrusion using standard tooling

Please contact EDS on eds@flexLink.com if you wish to order a non standard unit
Technical Specification:

Materials:

- **Foot:** Aluminium die-Cast
- **Set Screw:** Mild Steel, zinc plated
- **Thrust Washer:** Mild Steel, zinc plated
- **Lock Nut:** Mild Steel, zinc plated

Assembly Process:

1. Position support legs as required
2. Place thrust washer beneath foot in 3 positions
3. Drill holes in the floor
4. Insert bolt into foot
5. Adjust alignment of foot to the required alignment and tighten lock nut to secure position
6. Tighten floor bolt and secure head of bolt against the top of the adjusting mechanism

Conveyor support levelling mechanism for XCFF 88x 260

XCFF 88 x 260 Die cast foot with integrated adjusting mechanism 8043370

Conveyor support levelling mechanism for XCFF 64x210

XCFF 64x210 Die cast foot with integrated adjusting mechanism 8043371
The chain washing unit is designed to run continuously when working with production lines that have a high degree of product spillage. The result is a cleaner and dryer chain that allows longer production runs without the need for CIP or routine maintenance.

The chain cleaner prevents product build up on the chain and allows continuous fault free running of the line without the need to stop the conveyor and remove the chain to clean by hand.

Supplied as a complete unit the washer/dryer can quickly be integrated into new conveyor lines or upgraded to existing conveyor lines in order to improve performance and reliability.

Standard features
- **Robust** – the system is robust and designed to operate within harsh environment where spillages on the conveyor are highly likely.
- **Compact** – the unit will take up the smallest footprint possible.
- **Clean** – clean design with sloping faces and minimum areas for fluid or dirt to build up.
- **Safe** – fully guarded design.
- **Simple installation** – mount to conveyors using standard fittings.
System information

The washer/dryer unit is available for aluminium conveyor systems XS, XL, X65, X85, XH and XK, and stainless systems XLX and X85X.

Technical specification

Minimum top of chain height .......... 700 mm
Maximum conveyor length............... 3 m
Maximum conveyor speed............... 50 m/min

Operating requirements

Water supply

Connection of water/cleaning system is made by G ½” internal thread connection. Max/Min flow rate required is 11–13.5 l/min.

Chain washer and dryer unit

Air attachment

Connection of air system is made by G ½” internal thread connection. Air system requirements 6 Bar with a flow rate of 200 m³/h.

Drainage/Drying Vacuum

Vacuum attachment is made by ø32 hose connection. Vacuum requirements are 23.5 kPa minimum with a vacuum of 2×56 l/second.

Chain washer and dryer unit

Spare parts

Air nozzle large 8043200
Air nozzle small 8042711
Spray nozzle 8042716
Brush ø80 8042673
Brush ø180 8042672

Note. 1 m long beam section

Note!
The chain washing unit cannot be used with an enclosed or guided type of conveyor drive unit.
The inline chain washing unit is designed to run continuously when working with production lines that have a high degree of product spillage. The result is a cleaner chain that allows longer production runs without the need for CIP or routine maintenance.

The chain cleaner prevents product build up on the chain and allows continuous fault free running of the line with the need to stop the conveyor and remove the chain to clean by hand.

Supplied as a complete unit the chain washer can quickly be integrated into new conveyor lines or upgraded to existing conveyor lines in order to improve performance and reliability.

**Standard features**

- **Robust** – the system is robust and designed to operate within harsh environment where spillages on the conveyor are highly likely.
- **Compact** – the unit will take up the smallest footprint possible.
- **Clean** – clean design with sloping faces and minimum areas for fluid or dirt to build up.
- **Safe** – fully guarded design.
- **Simple installation** – mount to conveyors using standard fittings.
System information

The washing unit is available for aluminium conveyor systems XS, XL, X65, X85, XH and XK, and stainless systems XLX and X85X.

Technical specification

Minimum top of chain height ................ 550 mm
Maximum conveyor length..................... 3 m
Maximum conveyor speed..................... 50 m/min

Operating requirements

Water supply attachment

Connection of water/cleaning system is made by G ½" internal thread connection. Maximum/Minimum flowrate required is 11–13,5 l/min.

Drainage Vacuum

Vacuum attachment is made by Ø32 hose connection. Vacuum requirements are 23,5 kPa minimum with a vacuum of 2x56 l/second.

Chain washer

Note!

The chain washing unit cannot be used with an enclosed or guided type of conveyor drive unit.

Spare parts

Spray nozzle 8042716
Brush Ø80 8042673
Brush Ø180 8042672
Open idler for harsh environments

FlexLink offers a range of open idler units for use in dusty/harsh environments. The open faces of the idler allow dust and debris built up during running the conveyor system to be removed from the conveyor at a convenient point.

The open version of the idler end unit is designed for easy cleaning of the chain from inside and out. Its design also evacuates dust or debris from the conveyor whilst the conveyor is running. The open idler allows quick and easy cleaning of the conveyor chain by air blast. (Note appropriate PPE must be worn when performing this).

The unit is supplied as a complete module that can be integrated into any line new or existing conveyor line.

Standard features

- **Robust** – The system is designed to operate within a production line with the same operating constraints as the existing standard idler unit.
- **Compact** – the unit takes up a minimum amount of space.
- **Clean** – clean design with minimal dust ingress or dirt build up areas.
- **Safe** – the idler is designed with safety in mind – although the sides of the unit are open all openings are covered by a clear polycarbonate cover.
- **Simple installation** – mount to conveyors using standard fittings.
Technical specification

The open idler unit is available for the following conveyor systems: XL, X65, X85, XH and XK.

Important

The open Idler units must not be operated without the safety guards being in position.

Open idler units

Open idler unit, XL

Open idler unit, XH

Open idler unit, X65

Open idler unit, XK

Open idler unit, X85
FlexLink offers a range of inline metal detector conveyor sections where the detection of metallic objects in the product is required.

These conveyor sections allow products to run on a line without having to transfer them onto specialist metal detecting conveyors – the FlexLink system provides complete line integration.

The unit is available in three different options to suit any specific customer requirements upon installation. It can be supplied in new installations or as an upgrade to existing installations.

Standard features

- **Robust** – the unit is designed to operate within a production line without reducing the stability of the conveyor system.
- **Compact** – the unit takes up a minimum amount of space.
- **Clean** – the unit has a clean design with minimal dust ingress or dirt build up areas.
- **Simple installation** – mount to conveyors using standard fittings.

Installation

Simple installation using standard fittings. Mounting holes are available on the side of each section for mounting guide rail brackets.
The metal detector section is compatible with the following conveyor systems: X85, X85X and XH. A special conveyor chain with plastic pins should be used, see ordering details “Chains” on page 129.

Configurations

Configuration 1: This configuration is the simplest with a straight section of plastic beam which will pass through the metal detector. Available for conveyor systems X85, X85X and XH.

Configuration 2: This configuration is designed to allow the top chain only to pass through the metal detector, allowing the return conveyor chain to bypass around the outside of the metal detector. This configuration is useful if transporting a tall product and the space within the metal detector unit is limited. Available for conveyor systems X85 and XH.

Configuration 3: This configuration is designed to allow the top chain only to pass through the metal detector when used in a top chain only conveyor section. This configuration is useful if transporting a tall product and the space within the metal detector unit is limited. Available for conveyor systems X85 and XH.

Operating parameters

Conveyor systems X85 and X85X
Max. conveyor speed ...................... 40 m/min
Max. chain tension limit ................ 250 N
Max. conveyor length .................... 3,8 m
Max. product weight ..................... 1 kg

Conveyor systems XH
Max. conveyor speed ...................... 40 m/min
Max. chain tension limit ................ 250 N
Max. conveyor length .................... 2,5 m
Max. product weight ..................... 1 kg

Note
Please note these are guidelines only for the conveyor design constraints – the important factor is that the chain tension limit is 250N.

When using the FlexLink chain tension calculator it should be noted in the conveyor calculator that the chain capacity should be no more than 20% of the standard chain capacity.
Assembly instructions

Slide rail cutting

The beam sections have slots of different lengths at each end. Cut the slide rails to fit into these slots, and chamfer the slide rail edges as illustrated in fig 1.

*Figure 1. Slide rail cutting and chamfer*

Guide rail bracket attachment X85X

It is possible to attach guide rail brackets at five different locations along the beam section as shown in fig 2.

Note! Some guide rail brackets might have two t-slot guides that have to be cut off to make it fit to the plastic beam section.

Remove the plastic screws at the point where you choose to attach the guide rail bracket.

Do not use the same plastic screws to fasten the guide rail brackets since these screws will be too short. Instead use a similar but longer polyamide screw. The recommended screw for most guide rail brackets is DIN 84 M8×30 shown in fig 3.

It is important not to use metal screws to fasten the guide rail brackets; this will damage the plastic threads in the connecting plate.

*Figure 2. Guide rail bracket attachment*

Guide rail bracket attachment X85 and XH

It is possible to attach guide rail brackets at five* different locations along the beam section.

Remove the plastic screws at the point where you choose to attach the guide rail bracket.

Do not use the same plastic screws to fasten the guide rail brackets since these screws will be too short. Instead use a similar but longer polyamide screw. The recommended screw for most guide rail brackets is DIN 84 M8×30 shown in fig 3.

It is important not to use metal screws to fasten the guide rail brackets; this will damage the plastic threads in the connecting plate.

*Figure 3. DIN 84 M8×30 screws*

* Beam sections for configuration 2 have seven attachment points.
Metal detector conveyor section, X85

Metal detector conveyor section

X85 configuration 1  8042418

Metal detector conveyor section

X85 configuration 2  8042419

Metal detector conveyor section

X85 configuration 3  8042420

Metal detector conveyor sections, XH

Metal detector conveyor section

XH configuration 1  8042421

Metal detector conveyor section

XH configuration 2  8042422

Metal detector conveyor section

XH configuration 3  8042423
Metal detector conveyor sections, X85X

Metal detector conveyor section

X85X configuration 1 8042429

Chains

Plain chain, X85

Plain chain with plastic pins Z-5988467

Plain chain, XH

Plain chain with plastic pins Z-5980071

Ordering information
Contact your local FlexLink sales unit for quotation and delivery time of the conveyor chains.
FlexLink EDS offers a Pneumatic pack clamping unit. The unit allows side clamping of products when on a conveyor line. The unit is designed for in-line clamping of products and allows the holding of product in a queue in the event of a line shutdown.

**Standard features**

- **Width Adjustment:** The width of the pack clamp can be adjusted to suit a range of different products.
- **Pressure Adjustment:** The clamping pressure of the unit can be adjusted to suit sensitive products.
- **Robust Design:** The system is robust and designed to avoid operate interface apart from setting up the position.
- **Clean design:** Clean design with minimal dust or dirt ingress.
- **Installation:** Simple installation to standard conveyors using standard fittings.
- **Safety:** Safe design.
- **Compact:** The unit will is small and compact.

**Installation**

The unit is available in kit format and includes pneumatic fittings, fittings for attachment to the conveyor, pressure regulator and operating valve (including lead).

**Technical Specification**

**FlexLink conveyor compatibility:**

- X65 Conveyor system
- X85 Conveyor system

**Product Specification**

Maximum / Minimum product width:

- X65: 85 mm - 55 mm
- X85: 105 mm - 75 mm

The unit is designed for rectangular, square or round products.

**Operating parameters**

Maximum operating pressure - 6 Mpa

- Maximum queue pressure:
  - 7 kg......................... 2 bar
  - 15 kg....................... 4 bar
  - 25 kg....................... 6 bar

There are two different configurations of Pressure Regulator, one that can be locked to prevent operator interference and one inline unit.
Pneumatic Product Clamp

Pneumatic clamp (Including lockable regulator and control valve)

Pneumatic clamp (Including in-line regulator and control valve)

Pneumatic clamp (Mechanical only)

Pneumatic clamp double sided (Mechanical only)
FlexLink offers a mechanism for the manual movement of guide rails between different positions for diverting products between different conveyor lanes.

The unit features an inline hinge allowing the movement of one guide rail between positions allowing products to be diverted without the need for any Control system.

Standard features

- **Benefits**: Design allows continual running of the conveyor line without the need to stop the conveyors when changing product direction.
- **Compact Design**: The unit is both modular and compact. The unit is supplied as a complete module that can be integrated into any line new or existing.
- **Robust Design**: The system is robust and designed to operate within a production line without reducing the stability of the conveyor system.
- **Divert angle**: Divert allows the movement of products across conveyors at the required angle.

Installation

Simple installation to standard conveyors using standard fittings.
Guide Rail Hinge mechanism

Guide Rail Hinge

Drilling Jig

Spring loaded Locking Arm mechanism

End Position Location
Overhead Merging module

Contents

Overhead Merging module ................................................135
Technical specification: ....................................................136

Overhead merging unit .....................................................137

FlexLink offers an overhead merging unit that allows the merging of two lanes of products into one lane. The unit allows a range of products up to a maximum production rate of 400 products per minute.

Standard features

Height Adjustment: Height can be adjusted to suit a range of different product heights.

Compact Design: The unit is both modular & compact. The unit is supplied as a complete module that can be integrated into any line new or existing.

Robust Design: The system is robust and designed to operate within a production line without reducing the stability of the conveyor system and without operator interface.

Smooth Product Handling: Smooth Product merge with minimal supervision required by the operator.

Clean Design: Clean design with minimal dust ingress.

Installation: Simple installation to standard conveyors using standard fittings.

Non standard units: Non Standard version of the merging unit are available please contact EDS@flexlink.com if you have a nonstandard RFQ for this device.
Technological specification:

**Functional Description**
The unit is designed to merge two lanes of Product together without the need for any external Control signals. The unit is mechanical in design and self-regulating, so no external electrical or pneumatic controls are required. The unit ensures that packets are merged into one product stream without jamming.

*See Notes on operating parameters*

**FlexLink Conveyor Compatibility**
- XL Conveyor system
- X65 Conveyor system
- X85 Conveyor system

**Standard plain chain or flocked**
The unit is designed to function on either plain or flocked conveyor chain.

**Product specification**

**Minimum/Maximum product height:**
- XL: 10 mm - 65 mm
- X65: 10 mm - 65 mm
- X85: 10 mm - 60 mm

**Minimum/Maximum width:**
- Max Product width: 80 mm

**Minimum/Maximum pack weight:**
- Minimum Pack weight: 25 g
- Maximum Pack weight: 250 g

**Operating parameters**

**Product gap**
The merge unit is designed to work with gaps between the products, however it can operate with queues of products. It should be noted the ideal running situation should be with gaps of free flowing product into the merge. If the system runs with long queues of product it is likely that the merge will not be efficient as the queue will prevent both sides of the infeed conveyors merging into one lane.

**General conveyor guide rail arrangement**
The merge unit is designed to work with a special guide rail arrangement that allows the product to merge together. If the angled guide rail arrangement is at too steep an angle then the product will turn on the rail and not merge.

It is recommended to use a Guide rail cover in this area.

**Note!**
Dimensions may vary dependent on pack size.

**Functional operation**
The packet merge module consists of two interlocked arms which are placed in the product paths, forming a go/no-go system. When product moves freely under one arm, it locks shut the other track and prevents products coming through. Once the product on the first track is through the merge unit, the arm lowers and the production on the second track is free to move forwards. Thus packets are automatically fed into the same track with no danger of jams occurring.

The unit operates with a production flow of free-flowing products - in the event that any downstream conveyors or equipment stops then the flow of products on the conveyor must be controlled.

The products that have passed through the merge unit will accumulate against the downstream stoppage and build back towards the merge unit.

A photo-eye must be positioned across the conveyor approximately 1000mm in front of the merge unit such that when the photo eye becomes covered the conveyors stop immediately to prevent build back into the merge area.
Overhead merging unit
## Product index

### Product designations in alphanumerical order

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**Note! Use tube 8042090 for extension (not included), this tube can also be sourced locally.**

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- 8042090 C
- 8042090 D
- 8042090 E
- 8042090 F
- 8042090 G
- 8042090 H
- 8042090 I
- 8042090 J
- 8042090 K
- 8042090 L
- 8042090 M
- 8042090 N
- 8042090 O
- 8042090 P
- 8042090 Q
- 8042090 R
- 8042090 S
- 8042090 T
- 8042090 U
- 8042090 V
- 8042090 W
- 8042090 X
- 8042090 Y
- 8042090 Z

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