Pallet handling components XT

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Introduction

System description
The XT conveyor system is a twin-track, flexible plastic chain pallet conveyor. The system is especially well suited for manual and automatic assembly and test systems in the automotive and electrical/electronics industries.

A range of conveyor components for pallet handling can be ordered. Functions such as conveyors, transfers, stops, locates, lift-and-rotates and supports can be integrated in the conveyor module or be ordered as kit.

Examples of application areas
Manual and automatic assembly and test systems in the automotive and electrical/electronics industries. Examples: gearboxes, computers, sewing machines, mobile phones, automotive seat guiderails, eyeglasses, injection-moulded parts, fishing reels, car instrument kits

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Divert/merge devices

Divert/merge devices are used for routing products by dividing or combining flows of products. Usually there is a main conveyor, a "highway" (XT), and separate subordinate conveyors, "satellites" (XTC).

On the satellites, products can be subjected to various operations such as turning, grinding, assembly or testing, without disturbing the main flow. After the operations, the products can return to the highway.

A combination of a highway and one or more satellites is often called a cell. Using XT Pallet functions, it is possible to build cell junctions which facilitate transfer of a pallet from one cell to another, see figure below.

### Technical characteristics

<table>
<thead>
<tr>
<th>System</th>
<th>XTC</th>
<th>XT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beam width, single track</td>
<td>45 mm</td>
<td>45 mm</td>
</tr>
<tr>
<td>Chain width</td>
<td>35 mm</td>
<td>35 mm</td>
</tr>
<tr>
<td>Chain pitch</td>
<td>12.7 mm</td>
<td>25.4 mm</td>
</tr>
<tr>
<td>Drive unit capacity</td>
<td>400 N (at 5m/min)</td>
<td>1250 N-1800 N</td>
</tr>
<tr>
<td>Chain tension limit</td>
<td>200 N (100 N conductive chain)</td>
<td>900 N (360 N conductive chain)</td>
</tr>
<tr>
<td>Standard pallet sizes</td>
<td>240x240 mm up to 640x640 mm, including rectangular sizes</td>
<td>240x240 mm up to 640x640 mm, including rectangular sizes</td>
</tr>
<tr>
<td>Horizontal plain bends:</td>
<td>90°/180° (Maximum 2x90° or 1x180°)</td>
<td>90°/180°</td>
</tr>
<tr>
<td>Horizontal wheel bends</td>
<td>--</td>
<td>90°/180°</td>
</tr>
<tr>
<td>Vertical bends:</td>
<td>5°, 15°</td>
<td>5°</td>
</tr>
</tbody>
</table>

**Maximum:**

- Conveyor length: 4 m (XTC) and 25 m (XT)
- Conveyor speed: 20 m/min (XTC) and 20 m/min (XT)
- Accumulated weight at 5 m/min: 100 kg (XTC) and 250 kg (XT)
- Pallet weight: See "Technical specifications" on page 367.
- Permitted load / 100 mm conveyor: 8 kg (XTC) and 8 kg (XT)
Conveyor System XTC

Conveyor – introduction

XTC is a twin track conveyor system specially designed for shorter transportations up to 4 meters. It has a slim design making it suitable to use in narrow spaces.

XTC conveyor can either be used together with FlexLink standard XT pallets or be ordered in a custom width for customer specific pallets or bins.

Certain components in a XTC conveyor, such as legs and beam sections, can be ordered pre-assembled.

Beam design

The XTC beams are designed for rigidity, smooth running and low noise. The T-slots ensure easy but rigid attachment of accessories such as guide rail brackets. Connecting strip kit XUCJ 50 is placed in the middle of the beam keeping the T-slots free.

Examples of application areas

The XTC conveyor is often used in satellite stations and for connection to machines. It can also be used in main flows where a modular and silent solution is required. Each conveyor will then only be handling one pallet at the time.

Cross-section of guided straight section conveyor beam
**XTC components**

### Chain XTC

**Plain chain, XTC**
- Pitch 12.7 mm. Only for straight-running conveyor (XTC).
- Length 3 m
- Standard chain
- Conductive chain *
- Conductive link kit **
- Plain chain (Ultra low wear)
- Ultra low wear link kit**

**Friction top chain, XTC**
- Length 3 m
- All links are friction type
- Standard material
- Plain link kit*

**Plain chain, Side flexing, XTC**
- Length 3 m
- Standard material
- Plain link kit*
- Conductive Chain
- Conductive link kit **
- Plain chain (Ultra low wear)
- Ultra low wear link kit**

**Friction top chain**
- Length 3 m
- All links are friction type
- Standard material
- Plain link kit*

**Pin insertion tool for chain**
- Pin insertion tool
- For FlexLink’s XT chains XTTP 5, XTTP 5 EC and 6045771.

---

*Use with conductive slide rail.
**Link kit contains 10 links, 10 steel pins

---

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

*This product is recommended for frequent users.
Conveyor beam products XTC

Conveyor beam section

<table>
<thead>
<tr>
<th>Qty of cross section beams:</th>
<th>L</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>170-1000 mm</td>
<td>1 pc</td>
<td></td>
</tr>
<tr>
<td>1001-2000 mm</td>
<td>2 pcs</td>
<td></td>
</tr>
<tr>
<td>2001-3000 mm</td>
<td>3 pcs</td>
<td></td>
</tr>
</tbody>
</table>

Beam section (assembled) configured item*

- Beam section (assembled) for pallets 240 mm wide.
  L = Length 3000 ±1.5 mm
  XUCB LD

- Beam section (assembled) for pallets 320 mm wide.
  L = Length 3000 ±1.5 mm
  XUCB 3D210

- Beam section (assembled) for pallets 400 mm wide.
  L = Length 3000 ±1.5 mm
  XUCB 3D290

- Beam section (assembled) for pallets 480 mm wide.
  L = Length 3000 ±1.5 mm
  XUCB 3D370

- Beam section (assembled) for pallets 640 mm wide.
  L = Length 3000 ±1.5 mm
  XUCB 3D450

* Use online configurator when ordering
Conveyor beam products (continued)

Conveyor beam

**Beam**
- Length 3000 \(\pm 0\) mm
- Length to order (30–3000 mm)

*The beam has the same T-slot as used in the XF structural system.*

**Connecting strip kit**

- **XUCB 3**
- **XUCB L**

**Tools and accessories, 30×30 beam**

**Beam 30 mm × 30 mm**

- **XFBM 3×30**
- **XFBM L×30**

*Used for XTC*

**Fastener yoke for 30×30 beam**

- **XFAF 30**

**Drill fixture for fastener yokes**

- **XFAD 12**

*To be used when drilling a 12 mm hole for fastener yoke XFAF 30, located 20 mm from the beam end.*

**Drill fixture for conveyor beam**

- **5123264**

*To be used when drilling a 13 mm hole for Connecting strip kit XUCJ 50.*
Slide rails

Slide rail configuration
The following figures show the slide rail options applicable to XTC conveyors.

With pallet side guides

No pallet side guides

Cover strip

Slide rail tools

Drill fixture for slide rail

Rivet tool

Mounting tool for slide rail

Aluminium rivets 3 mm

Note. Must be ordered in multiples of 250
Drive units – introduction

Drive unit types
The XTC system includes direct driven units without slip clutch, and motors with fixed speed (F).

End drive units XTC

Motor specifications
Motors are available for:

- Speed 5, 10, 15, 20 m/min, 50 Hz, 60W, 210 - 240V
- Speed 6, 12, 18 m/min, 60 Hz, 60W, 110V
- Speed 5, 10, 15, 20 m/min, 50Hz, 60W, 380 - 440V

Ordering information
Drive units with motors must be specified using the web-based configurator. The configurator provides detailed information and step-by-step guidance in the specification process. A product code string is generated, containing the specification details.

Drive units without motors can be ordered using the designations in the catalogue.

- Connecting strips are included with the drive units.
- Slide rail must be ordered separately.

Dimension drawings in catalogue
Note that dimensions relating to drive unit motors depend on the motor specified during the configuration. In most cases, the motors shown in the catalogue drawings represent the largest size.

Minimum clearance distance
When two conveyors meet end to end, they must be separated by a minimum clearance distance, see the figure.
Left and right drive unit, with pallet guiding

<table>
<thead>
<tr>
<th>Pallet width</th>
<th>Transmission on left side</th>
<th>Transmission on right side</th>
</tr>
</thead>
<tbody>
<tr>
<td>240 mm</td>
<td>XUEB 0 LGPD210</td>
<td>XUEB 0 RGPD210</td>
</tr>
<tr>
<td>320 mm</td>
<td>XUEB 0 LGPD290</td>
<td>XUEB 0 RGPD290</td>
</tr>
<tr>
<td>400 mm</td>
<td>XUEB 0 LGPD370</td>
<td>XUEB 0 RGPD370</td>
</tr>
<tr>
<td>480 mm</td>
<td>XUEB 0 LGPD450</td>
<td>XUEB 0 RGPD450</td>
</tr>
<tr>
<td>640 mm</td>
<td>XUEB 0 LGPD610</td>
<td>XUEB 0 RGPD610</td>
</tr>
</tbody>
</table>

*Use online configurator when ordering
Effective track length: 2x0,125 m

Fixed speed*; Pallet width 240, 320, 400, 480, 640 mm

* Use online configurator when ordering
Effective track length: 2x0,125 m
Left and right drive unit, without pallet guiding

* Use online configurator when ordering
Effective track length: 2x0.125 m
## Mid drive unit, with pallet guiding

<table>
<thead>
<tr>
<th>Mid drive unit, with pallet guiding, configured item*</th>
<th>XUEB DD P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed speed*, Pallet width 240, 320, 400, 480, 640 mm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mid drive unit, with pallet guiding, without motor</th>
<th>XUEB 0 MGPD210</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pallet width 240 mm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mid drive unit, with pallet guiding, without motor</th>
<th>XUEB 0 MGPD290</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pallet width 320 mm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mid drive unit, with pallet guiding, without motor</th>
<th>XUEB 0 MGPD370</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pallet width 400 mm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mid drive unit, with pallet guiding, without motor</th>
<th>XUEB 0 MGPD450</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pallet width 480 mm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mid drive unit, with pallet guiding, without motor</th>
<th>XUEB 0 MGPD610</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pallet width 640 mm</td>
<td></td>
</tr>
</tbody>
</table>

* Use online configurator when ordering

Effective track length: 2x0,125 m
Mid drive unit, without pallet guiding

- Mid drive unit, without pallet guiding, configured item*
  Fixed speed
  \[ C - C = 180-800 \text{ mm} \]

* Use online configurator when ordering
Effective track length: \( 2 \times 0.125 \text{ m} \)

Idler end unit

- Idler end unit XTC, with pallet guiding
  Left
  Right
  Idler end unit left, with pallet side guide
  Idler end unit right, with pallet side guide
  Effective track length: \( 0.125 \text{ m} \)
  XUEJ 50 LGP
  XUEJ 50 RGP

- Idler end unit XTC, without pallet guiding
  Idler end unit right or left, without pallet side guide
  Note! Two idler units must be ordered for a conveyor with return chain.
  Effective track length: \( 0.125 \text{ m} \)
  XUEJ 50 P
Connecting kits

Connecting kit, end-to-side/side-to-end

Connecting kit, one pair

Connecting kit, end-to-side/end-to-end

Connecting kit, one pair

Roller bridge (pair), Spare parts

Roller bridge, one pair

Including mounting hardware.

For in-line or perpendicular transfer from drive unit with side-mounted motor (left/right). Including brackets for both alternatives.

For in-line or perpendicular transfer from drive unit with mid-mounted motor. Including brackets for both alternatives.

Each of the two bridges (5053729) contains four rows of rollers. Roller bridges are included in the connecting kits.
Plain bends XTC

Plain bends 90°

<table>
<thead>
<tr>
<th>Item no</th>
<th>Radius (R)</th>
<th>Length (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>XUBP 90R150</td>
<td>150 ±5 mm</td>
<td>213 mm</td>
</tr>
<tr>
<td>XUBP 90R360</td>
<td>360 ±5 mm</td>
<td>423 mm</td>
</tr>
<tr>
<td>XUBP 90R440</td>
<td>440 ±5 mm</td>
<td>503 mm</td>
</tr>
<tr>
<td>XUBP 90R520</td>
<td>520 ±5 mm</td>
<td>583 mm</td>
</tr>
<tr>
<td>XUBP 90R600</td>
<td>600 ±5 mm</td>
<td>663 mm</td>
</tr>
<tr>
<td>XUBP 90R760</td>
<td>760 ±5 mm</td>
<td>823 mm</td>
</tr>
</tbody>
</table>

Plain bend, 90°, inner curve

Effective track lengths: R150: 0.35 m, PW 240, 320, 480, 640

Plain bend, 90°, outer curves

Effective track lengths: R360: 0.65 m, PW 240
Effective track lengths: R440: 0.80 m, PW 320
Effective track lengths: R520: 0.9 m, PW 400
Effective track lengths: R600: 1.0 m, PW 480
Effective track lengths: R760: 1.3 m, PW 640
Plain bends (continued)

Plain bends 180°

<table>
<thead>
<tr>
<th>Item no</th>
<th>Radius (R)</th>
<th>Length (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>XUBP 180R150</td>
<td>150 ±5 mm</td>
<td>173 mm</td>
</tr>
<tr>
<td>XUBP 180R360</td>
<td>360 ±5 mm</td>
<td>383 mm</td>
</tr>
<tr>
<td>XUBP 180R440</td>
<td>440 ±5 mm</td>
<td>463 mm</td>
</tr>
<tr>
<td>XUBP 180R520</td>
<td>520 ±5 mm</td>
<td>543 mm</td>
</tr>
<tr>
<td>XUBP 180R600</td>
<td>600 ±5 mm</td>
<td>623 mm</td>
</tr>
<tr>
<td>XUBP 180R760</td>
<td>760 ±5 mm</td>
<td>783 mm</td>
</tr>
</tbody>
</table>

Plain bend, 180° inner curve

Effective track lengths: R150: 0.62 m, PW 240, 320, 400, 480, 640

Plain bend, 180°, outer curves

Effective track lengths: R360: 1.2 m, PW 240
Effective track lengths: R440: 1.5 m, PW 320
Effective track lengths: R520: 1.7 m, PW 400
Effective track lengths: R600: 2.0 m, PW 480
Effective track lengths: R760: 2.5 m, PW 640
Vertical bends XTC

**Vertical bend, 5° and 15°**

<table>
<thead>
<tr>
<th>Vertical bend 5°</th>
<th>XUBV 5R400</th>
</tr>
</thead>
<tbody>
<tr>
<td>( R=400, L=116.5, \alpha=5° )</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vertical bend 15°</th>
<th>XUBV 15R400</th>
</tr>
</thead>
<tbody>
<tr>
<td>( R=400, L=187, \alpha=15° )</td>
<td></td>
</tr>
<tr>
<td>(Require Friction top chain XUTP 3A3S F)</td>
<td></td>
</tr>
</tbody>
</table>

**Effective track lengths:**

- \( \alpha=5° \) \( R400: 0.20 \) m 1-way (0.40 m 2-way)
- \( \alpha=15° \) \( R400: 0.26 \) m 1-way (0.52 m 2-way)
Inner guide rail for 90° bend
For PWxPL=240x240, X=140 5119439
For PWxPL=240x320, X=142 5119500
For PWxPL=320x240, X=140 5119439
For PWxPL=320x320, X=143 5119502
For PWxPL=320x400, X=203 5119504
For PWxPL=400x320, X=147 5119502
For PWxPL=400x480, X=217 5123412
For PWxPL=400x640, X=392 5119506
For PWxPL=480x400, X=217 5123412
For PWxPL=480x480, X=203 5119504
For PWxPL=480x640, X=428 5123413
For PWxPL=640x400, X=143 5119502
For PWxPL=640x480, X=217 5123412
For PWxPL=640x640, X=350 5119510
Attachment kit included.
For outer Plain bend use Slide rail type B See “Slide rails” on page 337.

Inner guide rail for 180° bend
For PWxPL=240x240, X=140 5119499
For PWxPL=240x320, X=142 5119501
For PWxPL=320x240, X=140 5119499
For PWxPL=320x320, X=143 5119503
For PWxPL=320x400, X=203 5119505
For PWxPL=400x320, X=147 5119503
For PWxPL=400x480, X=217 5123414
For PWxPL=400x640, X=392 5119507
For PWxPL=400x640, X=392 5119509
For PWxPL=480x400, X=217 5123414
For PWxPL=480x480, X=203 5119505
For PWxPL=480x640, X=428 5123415
For PWxPL=640x400, X=143 5119503
For PWxPL=640x480, X=217 5123414
For PWxPL=640x640, X=350 5119511
Attachment kit included.
For outer Plain bend use Slide rail type B See “Slide rails” on page 337.
XTC support modules

Support modules S01A/S02A/S03A/S04

Note.

Two types of beam support brackets are used in the modules: type 5052621 and XUCS 44. The brackets are also available separately. See "Support brackets" on page 349.
Support brackets

Beam support bracket for XTC

Beam support bracket, XTC

Mounting: ISO 4762 M6 x 10 St 8.8 (2), XFAN 6 (2), MC6S 8x14 (2), XCAN 8 (2)

Floor attachment bracket

Floor attachment bracket

Stainless steel

The bracket is delivered with the hardware necessary for attachment to the conveyor support. Fasteners for connection to the floor are not supplied with the brackets.

Beam support bracket for 44 mm vertical support beam

Beam support bracket

Aluminium, diecast

For 44 mm vertical support beam including mounting hardware.

Floor attachment bracket

Stainless steel

XCFA 170 S
Conveyor System XT

Conveyor – introduction

The XT twin track conveyor system is designed to handle longer transportation distances. Pallet functions, such as stops, locating stations and transfers will be used to connect other equipment and subordinated satellite stations to the XT conveyor.

XT is available in FlexLink five standard pallet widths. For custom specific widths, see X45H double drive unit. Certain components in a XT conveyor, such as legs and beam sections, can be ordered pre-assembled.

Beam design

The XT beams are designed for rigidity, smooth running and low noise. The T-slots ensure easy but rigid attachment of accessories such as guide rail brackets.

Examples of application areas

Manual and automatic assembly and test systems in the automotive and electrical/electronics industries. Examples: gearboxes, computers, sewing machines, mobile phones, automotive seat guiderails, eyeglasses, injection-moulded parts, fishing reels, car instrument kits.
### XT components

#### Chain XT

**Plain chain, XT**

Plain chain, length 5 m
Pitch 25.4 mm
- Standard chain
- Standard link kit **
- Conductive chain
- Conductive link kit **

*Use with conductive slide rail.
**Link kit contains 10 links, 10 pivots, 10 steel pins

**Pin insertion tool for chain**

Pin insertion tool
- XS-X65-XT
- XS-X65-XT, PRO version*

For FlexLink’s XT chains XTTP 5, XTTP 5 EC.
*This product is recommended for frequent users.
Conveyor beam products XT

Conveyor beam section

<table>
<thead>
<tr>
<th>Qty of cross section beams:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>170-1000 mm</td>
<td>1 pc</td>
</tr>
<tr>
<td>1001-2000 mm</td>
<td>2 pcs</td>
</tr>
<tr>
<td>2001-3000 mm</td>
<td>3 pcs</td>
</tr>
</tbody>
</table>

Beam section (assembled) configured item*

**XTCB LD**

Beam section (assembled) for pallets 240 mm wide. Length 3000 ±1,5 mm  
XTCB 3D210

Beam section (assembled) for pallets 320 mm wide. Length 3000 ±1,5 mm  
XTCB 3D290

Beam section (assembled) for pallets 400 mm wide. Length 3000 ±1,5 mm  
XTCB 3D370

Beam section (assembled) for pallets 480 mm wide. Length 3000 ±1,5 mm  
XTCB 3D450

Beam section (assembled) for pallets 640 mm wide. Length 3000 ±1,5 mm  
XTCB 3D610

* Use online configurator when ordering
Conveyor beam products (continued)

Conveyor beam

Beam
Length 3000 +10/-0 mm
Length to order (30- 3000 mm)  XTCB 3
XTCB L

Connecting strip kit

Connecting strip kit
Steel, electro-zinc-plated
Kit with two connecting strips. Including M8 set screws. Not for XTC beam
5053503

Drill fixture for conveyor beam

Drill fixture for conveyor beam
To be used when drilling a 10 mm hole for Connecting strip kit 5053503.
5123264

Tools and accessories, 44x44 beam

Beam 44 mm × 44 mm with three T-slots

Beam 44 mm × 44 mm with three T-slots
Aluminium, anodized
Length 3000 mm (3030 ±5 mm)
Length to order (30- 3000 mm)  XCBL 3×44 T3
XCBL L×44 T3

T-slot connector for 44x44 beam

T-slot connector
Steel, electro-zinc-plated
XCEC 12

Drill fixture for T-slot connector

Drill fixture Ø10/18,25 mm
Drill insert Ø12,2 mm (for T-slot connector) 18×16 12,2
To be used when drilling a 12 mm hole for T-slot connector XCEC 12, located 22 mm from the beam end. Remove the 10 mm drill insert delivered with the drill fixture and install the 12,2 mm drill insert.
XCAD 10/18
Slide rails configuration
The following figures show the slide rail options applicable to XT conveyors.

Pallet side guides

Slide rail, type A
Slide rail (A)
Length 25 m
PA-PE (Grey)
UHMW-PE (White)
UHMW-PE + carbon (conductive) (Black)

Slide rail, type B
Slide rail, type B

Slide/guide rail, type B
Slide/guide rail (B)
Length 3 m
PA-PE (Grey)
UHMW-PE (White)
UHMW-PE + carbon (conductive) (Black)

Cover strip, aluminium
Cover strip
Length 2 m
Aluminium, anodized

Cover strip for T-slot, PVC
Cover strip for T-slot
Length 25 m
Grey PVC

Note! Can’t be used with bends

Slide rail tools

Drill fixture for slide rail
Drill fixture for slide rail

Mounting tool for slide rail
Mounting tool for slide rail

Rivet tool
Rivet tool

Aluminium rivets 3 mm
Aluminium rivets 3 mm

XTCR 25 H
XTCR 25 U
XTCR 25 E

XTCR 3 HB
XTCR 3 UB
XTCR 3 EB

XTMR 160 A

Note. Must be ordered in multiples of 250

Cover strip, aluminium

Cover strip
Length 2 m
Aluminium, anodized

Note! Can’t be used with bends

Cover strip for T-slot, PVC

Cover strip for T-slot
Length 25 m
Grey PVC

XCAC 2
XCAC 25 P

3923584
3923563

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End drive units – introduction

End drive unit types
The XT system includes direct driven units without slip clutch and motors with fixed speed (F).

Motor specifications
Motors are available for 230/400 V, 50 Hz and 230/460 V or 330/575 V, 60 Hz. All motors can be connected for delta or star configuration by means of jumpers.

Ordering information
Drive units with motors must be specified using the web-based configurator. The configurator provides detailed information and step-by-step guidance in the specification process. A product code string is generated, containing the specification details.

Drive units without motors can be ordered using the designations in the catalogue.

• Connecting strips are included with the drive units.
• Slide rail must be ordered separately.
End drive units XT, direct drive, no slip clutch

---

**End drive unit L/R**

**End drive unit, configured item**
- Fixed speed: 5-10-15-20 m/min*
- Pallet width 240, 320, 400, 480, 640 mm

**XTEB DD**

**End drive unit, without motor**
- Pallet width 240 mm
  - Transmission on left side
  - Transmission on right side
  - XTEB 0 LNPD210
  - XTEB 0 RNPD210

**End drive unit, without motor**
- Pallet width 320 mm
  - Transmission on left side
  - Transmission on right side
  - XTEB 0 LNPD290
  - XTEB 0 RNPD290

**End drive unit, without motor**
- Pallet width 400 mm
  - Transmission on left side
  - Transmission on right side
  - XTEB 0 LNPD370
  - XTEB 0 RNPD370

**End drive unit, without motor**
- Pallet width 480 mm
  - Transmission on left side
  - Transmission on right side
  - XTEB 0 LNPD450
  - XTEB 0 RNPD450

**End drive unit, without motor**
- Pallet width 640 mm
  - Transmission on left side
  - Transmission on right side
  - XTEB 0 LNPD610
  - XTEB 0 RNPD610

* Use online configurator when ordering

Effective track length: 2x0.80 m
## End drive units XT, Mid drive

### End drive unit

<table>
<thead>
<tr>
<th>Fixed speed: 5-10-15-20 m/min*</th>
<th>Pallet width 240, 320, 400, 480, 640 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>End drive unit, configured item*</td>
<td>XTEB DD</td>
</tr>
<tr>
<td>End drive unit, without motor</td>
<td>XTEB 0 MNPD210</td>
</tr>
<tr>
<td>Pallet width 240 mm</td>
<td></td>
</tr>
<tr>
<td>End drive unit, without motor</td>
<td>XTEB 0 MNPD290</td>
</tr>
<tr>
<td>Pallet width 320 mm</td>
<td></td>
</tr>
<tr>
<td>End drive unit, without motor</td>
<td>XTEB 0 MNPD370</td>
</tr>
<tr>
<td>Pallet width 400 mm</td>
<td></td>
</tr>
<tr>
<td>End drive unit, without motor</td>
<td>XTEB 0 MNPD450</td>
</tr>
<tr>
<td>Pallet width 480 mm</td>
<td></td>
</tr>
<tr>
<td>End drive unit, without motor</td>
<td>XTEB 0 MNPD610</td>
</tr>
<tr>
<td>Pallet width 640 mm</td>
<td></td>
</tr>
</tbody>
</table>

* Use online configurator when ordering

Effective track length: 2x0.80 m

---

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End drive units XT, Mid drive 357
## End drive units XT, Mid drive, Heavy

### End drive unit

- **End drive unit, configured item**
  - Fixed speed: 5-10-15-20 m/min
  - Pallet width 240, 320, 400, 480, 640 mm
  - XTEB DD

- **End drive unit, without motor**
  - Pallet width 240 mm
    - XTEB 0 HMNPD210
  - Pallet width 320 mm
    - XTEB 0 HMNPD290
  - Pallet width 400 mm
    - XTEB 0 HMNPD370
  - Pallet width 480 mm
    - XTEB 0 HMNPD450
  - Pallet width 640 mm
    - XTEB 0 HMNPD610

*Use online configurator when ordering

Effective track length: 2x0.80 m
Idler end unit

Idler end unit XT

Idler end unit (single)
Length 320 mm
Two idler units must be ordered for a conveyor with return chain. Connecting strips are included.

Connecting kits

Connecting kit, end-to-end

Connecting kit, one pair

For in-line transfer from drive unit with side-mounted motor (left/right).
XT to XT (Not for use with XTC)

Connecting kit, one pair

For in-line transfer from drive unit with mid-mounted motor.
XT to XT (Not for use with XTC)
Connecting kits (continued)

**Connecting kit, end-to-side/side-to-end**

Connecting kit (four brackets) **5050034**
Including mounting hardware.

- XT to XT
- XTC to XTC
- XTC to XT
- XT to XTC

**Connecting kit, end-to-side/end-to-end**

Connecting kit, one pair **5053201**
For in-line or perpendicular transfer from drive unit with mid-mounted motor.
Including brackets for both alternatives.

- XT to XT
- XT to XTC
- XTC to XT
- XTC to XTC

**Connecting kit, end-to-side/end-to-end**

Connecting kit, one pair **5053199**
For in-line or perpendicular transfer from drive unit with side-mounted motor (left/right). Including brackets for both alternatives.

- XT to XT
- XTC to XTC
- XTC to XT
- XT to XTC

**Roller bridge, (pair) spare parts**

Roller bridge, one pair **5054947**
Each of the two bridges (5053729) contains four rows of rollers.
Roller bridges are included in the connecting kits.
Wheel bends and Plain bends

Wheel bend XT and Plain bends, 90°

Wheel bend XTBP 90R150
- Item no: XTBP 90R150
- Length (L): 213 mm

Wheel bend XTBP 90R358
- Item no: XTBP 90R358
- Length (L): 423 mm

Wheel bend XTBP 90R438
- Item no: XTBP 90R438
- Length (L): 503 mm

Wheel bend XTBP 90R518
- Item no: XTBP 90R518
- Length (L): 583 mm

Wheel bend XTBP 90R598
- Item no: XTBP 90R598
- Length (L): 663 mm

Wheel bend XTBP 90R758
- Item no: XTBP 90R758
- Length (L): 823 mm

Wheel bend, 90°

Effective track lengths: R148: 0.35 m, PW 240, 320, 400, 480, 640

Plain bend, 90°, outer curves

Effective track lengths: R358: 0.65 m, PW 240

Effective track lengths: R438: 0.8 m, PW 320

Effective track lengths: R518: 0.9 m, PW 400

Effective track lengths: R598: 1.0 m, PW 480

Effective track lengths: R758: 1.3 m, PW 640

Connecting strips are included.
### Wheel bend XT, and Plain bends 180°

<table>
<thead>
<tr>
<th>Item no</th>
<th>Radius (R)</th>
<th>Length (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>XTBP 180R150</td>
<td>148 ± 5 mm</td>
<td>173 mm</td>
</tr>
<tr>
<td>XTBP 180R358</td>
<td>358 ± 5 mm</td>
<td>383 mm</td>
</tr>
<tr>
<td>XTBP 180R438</td>
<td>438 ± 5 mm</td>
<td>463 mm</td>
</tr>
<tr>
<td>XTBP 180R518</td>
<td>518 ± 5 mm</td>
<td>543 mm</td>
</tr>
<tr>
<td>XTBP 180R598</td>
<td>598 ± 5 mm</td>
<td>623 mm</td>
</tr>
<tr>
<td>XTBP 180R758</td>
<td>758 ± 5 mm</td>
<td>783 mm</td>
</tr>
</tbody>
</table>

**Wheel bend, 180°**

- Effective track lengths: R148: 0.43 m, PW 240, 320, 400, 480, 640  
  - XTBP 180R150

**Plain bend, 180°, outer curves**

- Effective track lengths: R358: 1.2 m, PW 240  
  - XTBP 180R358
- Effective track lengths: R438: 1.5 m, PW 320  
  - XTBP 180R438
- Effective track lengths: R518: 1.7 m, PW 400  
  - XTBP 180R518
- Effective track lengths: R598: 2.0 m, PW 480  
  - XTBP 180R598
- Effective track lengths: R758: 2.5 m, PW 640  
  - XTBP 180R758

Connecting strips are included.

### Vertical bend

**Vertical bend, 5°**

Effective track lengths: 0.19 m  
Connecting strips are included.
**Guide rail components**

<table>
<thead>
<tr>
<th>Inner guide rail for 90° bend</th>
<th>Inner guide rail for 180° bend</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Inner guide rail for 90° bend" /></td>
<td><img src="image2" alt="Inner guide rail for 180° bend" /></td>
</tr>
</tbody>
</table>

**Attachment kit included.**

<table>
<thead>
<tr>
<th>PW×PL</th>
<th>X</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>240×240</td>
<td>100</td>
<td>5119439</td>
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<tr>
<td>240×320</td>
<td>102</td>
<td>5119500</td>
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<tr>
<td>320×240</td>
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<td>320×320</td>
<td>103</td>
<td>5119502</td>
</tr>
<tr>
<td>320×400</td>
<td>263</td>
<td>5119504</td>
</tr>
<tr>
<td>400×320</td>
<td>107</td>
<td>5119502</td>
</tr>
<tr>
<td>400×400</td>
<td>177</td>
<td>5123412</td>
</tr>
<tr>
<td>400×480</td>
<td>202</td>
<td>5119506</td>
</tr>
<tr>
<td>400×640</td>
<td>352</td>
<td>5119508</td>
</tr>
<tr>
<td>480×400</td>
<td>177</td>
<td>5123412</td>
</tr>
<tr>
<td>480×480</td>
<td>163</td>
<td>5119504</td>
</tr>
<tr>
<td>480×640</td>
<td>388</td>
<td>5123413</td>
</tr>
<tr>
<td>640×400</td>
<td>103</td>
<td>5119502</td>
</tr>
<tr>
<td>640×480</td>
<td>177</td>
<td>5123412</td>
</tr>
<tr>
<td>640×640</td>
<td>310</td>
<td>5119510</td>
</tr>
<tr>
<td>240×240</td>
<td>100</td>
<td>5119499</td>
</tr>
<tr>
<td>240×320</td>
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<td>320×320</td>
<td>103</td>
<td>5119503</td>
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<tr>
<td>320×400</td>
<td>263</td>
<td>5119505</td>
</tr>
<tr>
<td>400×320</td>
<td>107</td>
<td>5119503</td>
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<tr>
<td>400×400</td>
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<td>400×640</td>
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<td>5119509</td>
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<tr>
<td>480×400</td>
<td>177</td>
<td>5123414</td>
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<tr>
<td>480×480</td>
<td>163</td>
<td>5119505</td>
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<tr>
<td>480×640</td>
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<tr>
<td>640×400</td>
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<tr>
<td>640×480</td>
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<td>5123414</td>
</tr>
<tr>
<td>640×640</td>
<td>310</td>
<td>5119511</td>
</tr>
</tbody>
</table>
Guide rail components (continued)

Outer guide rail kit for 90° bend

<table>
<thead>
<tr>
<th>Outer guide rail for 90° bend</th>
<th>5055595</th>
</tr>
</thead>
<tbody>
<tr>
<td>For PW 240 mm, R=387</td>
<td>5055596</td>
</tr>
<tr>
<td>For PW 320 mm, R=467</td>
<td>5055597</td>
</tr>
<tr>
<td>For PW 400 mm, R=547</td>
<td>5055598</td>
</tr>
<tr>
<td>For PW 480 mm, R=627</td>
<td>5055599</td>
</tr>
<tr>
<td>For PW 640 mm, R=787</td>
<td>5055600</td>
</tr>
</tbody>
</table>

Attachment kit included.

Outer guide rail kit for 180° bend

<table>
<thead>
<tr>
<th>Outer guide rail for 180° bend</th>
<th>5055592</th>
</tr>
</thead>
<tbody>
<tr>
<td>For PW 240 mm, R=387</td>
<td>5055593</td>
</tr>
<tr>
<td>For PW 320 mm, R=467</td>
<td>5055594</td>
</tr>
<tr>
<td>For PW 400 mm, R=547</td>
<td>5055595</td>
</tr>
<tr>
<td>For PW 480 mm, R=627</td>
<td>5055596</td>
</tr>
<tr>
<td>For PW 640 mm, R=787</td>
<td>5055597</td>
</tr>
</tbody>
</table>

Attachment kit included.
**XT support modules**

Support modules S01A/S02A/S03A/S04

**Support module for single conveyor module**

Support module XTUF S01A

Including Beam support brackets 5052899 and Floor attachment brackets XCFA 170 S.

**Support module for two parallel conveyor modules**

Support module XTUF S02A

Including Beam support brackets 5052899 and Floor attachment brackets XCFA 170 S.

**Support module for conveyor modules at two levels**

Support module XTUF S03A

Including Beam support brackets 5052899 and Floor attachment brackets XCFA 170 S.

**Support module for wheel bends**

Support module XTUF S04

Including Beam support brackets XLCS 64 and Floor attachment brackets XCFA 170 S.

Note.

Two types of beam support brackets are used in the modules: type 5052899 and type XLCS 64. The brackets are also available separately. See “Support brackets” on page 366.
Support brackets

Beam support bracket for XT

Beam support bracket, XT 5052899
Mounting: MC6S 8x14 (4), XCAN 8 (4)

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

Beam support bracket for X65, Type CS XLCS 64 C
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 8x16 (1), BRB 8.4x16 (2)
For support of X65 X-bend, order M6S 8x16 screw instead of the XLAT 17 T-slot screw.
Incl. Cap 5110134 (2)

Floor attachment bracket

Floor attachment bracket XCFA 170 S
Stainless steel

The bracket is delivered with the hardware necessary for attachment to the conveyor support. Fasteners for connection to the floor are not supplied with the brackets.

The bracket is delivered with the hardware necessary for attachment to the conveyor support. Fasteners for connection to the floor are not supplied with the brackets.
XT Pallet function

Pallets

Introduction
Ten pallet sizes are available:
- 240 × 240 mm
- 240 × 320 mm
- 320 × 320 mm
- 320 × 400 mm
- 400 × 400 mm
- 400 × 480 mm
- 400 × 640 mm
- 480 × 480 mm
- 480 × 640 mm
- 640 × 640 mm

For non-standard pallet dimensions, or for other pallet plate materials than steel, frame section kits and bushing kits can be ordered, see next page.

Pallet width (PW) × pallet length (PL)
Pallet width and pallet length. PL is basically the pallet dimension in the direction of pallet movement in the main flow. In some modules the pallet moves "sideways", for example when transferred from one line to another. The figure below shows an example.

Pallet loading
Recommended centre of gravity of the product on the pallet (including fixture) should be located within the grey marked area according to the picture to the right.

Technical specifications
- Maximum load on the pallet is 8 kg per 100 mm of pallet length (PL).
- Friction between pallet and chain, $\mu_p = 0.3$ (under normal conditions).
- The table below shows maximum pallet load for each pallet size.

<table>
<thead>
<tr>
<th>Size (PW × PL)</th>
<th>Pallet weight (kg)</th>
<th>Max load on pallet (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>240 × 240 mm</td>
<td>2.6</td>
<td>17</td>
</tr>
<tr>
<td>240 × 320 mm</td>
<td>3.5</td>
<td>22</td>
</tr>
<tr>
<td>320 × 240 mm</td>
<td>3.5</td>
<td>16</td>
</tr>
<tr>
<td>320 × 320 mm</td>
<td>4.4</td>
<td>22</td>
</tr>
<tr>
<td>320 × 400 mm</td>
<td>5.5</td>
<td>24</td>
</tr>
<tr>
<td>400 × 320 mm</td>
<td>5.5</td>
<td>20</td>
</tr>
<tr>
<td>400 × 400 mm</td>
<td>6.8</td>
<td>23</td>
</tr>
<tr>
<td>400 × 480 mm</td>
<td>8.2</td>
<td>22</td>
</tr>
<tr>
<td>400 × 640 mm</td>
<td>10.8</td>
<td>19</td>
</tr>
<tr>
<td>480 × 400 mm</td>
<td>8.2</td>
<td>22</td>
</tr>
<tr>
<td>480 × 480 mm</td>
<td>9.8</td>
<td>20</td>
</tr>
<tr>
<td>480 × 640 mm</td>
<td>13.0</td>
<td>17</td>
</tr>
<tr>
<td>640 × 400 mm</td>
<td>10.8</td>
<td>19</td>
</tr>
<tr>
<td>640 × 480 mm</td>
<td>13.0</td>
<td>17</td>
</tr>
<tr>
<td>640 × 640 mm</td>
<td>17.4</td>
<td>13</td>
</tr>
</tbody>
</table>

Material specifications
- Pallet plate: 5 mm ±0.1 steel plate, Electrically conductive UHMW-PE
Pallet PW×PL

When ordering, insert the pallet width and the pallet length instead of PW×PL in the designation.

<table>
<thead>
<tr>
<th>PW×PL</th>
<th>240×240</th>
<th>240×320</th>
<th>320×320</th>
<th>320×400</th>
<th>400×400</th>
<th>400×480</th>
<th>400×640</th>
<th>480×480</th>
<th>480×640</th>
<th>480×640</th>
</tr>
</thead>
<tbody>
<tr>
<td>PW–0,5</td>
<td>0,3</td>
<td>0,5</td>
<td>0,5</td>
<td>0,6</td>
<td>0,6</td>
<td>0,8</td>
<td>0,8</td>
<td>0,8</td>
<td>1,0</td>
<td>1,0</td>
</tr>
<tr>
<td>PL–0,5</td>
<td>0,6</td>
<td>0,6</td>
<td>0,6</td>
<td>0,8</td>
<td>0,8</td>
<td>0,8</td>
<td>0,8</td>
<td>1,0</td>
<td>1,0</td>
<td>1,0</td>
</tr>
<tr>
<td>PW+10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PL+10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

XTPP PW×PL

Each kit contains two frame pieces, six bushings and four initiation plates with screws. The frames and bushings are suitable for screws type M6×16 (not included). Two kits are required for each pallet.

For use as spare parts and for building non-standard pallets in combination with customer supplied pallet plates.

Bushing kit

Four bushings

For building non-standard pallets in combination with customer supplied pallet plates. The bushings are designed for plate thickness 5 mm and should be press-fitted into ∅16 mm holes.
Stop function module P11

**Stop function**

- D = D00
- D = D01
- D = D02

**Stop function**

Singulates and stops one pallet at a time along the conveyor line with a repeatability of ±1 mm. The stop units can be mounted on the opposite side of the beam to facilitate pallet stopping at the front end of the pallet.

* Use online configurator when ordering (Part list see, Page 369 parts included in module)

**Included in the delivery:**

- The necessary number of stoppers and sensor brackets, based on the option selected.
- The necessary mounting hardware required for attachment to an XT or XTC conveyor.

---

**Part list for Stop function module XTUS P11**

### D00=No damping

<table>
<thead>
<tr>
<th>Part list for XTUS P11</th>
<th>Item number</th>
<th>Name</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>XTUS P11</td>
<td>5055696</td>
<td>Sensor bracket (see Page 374)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>XTPB V002</td>
<td>Sensor bracket (see Page 374)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>XTPD U200</td>
<td>Pallet stop, undamped (see Page 370)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>5055955</td>
<td>Side support (see Page 372)</td>
<td>1</td>
</tr>
</tbody>
</table>

### D01=Damping

<table>
<thead>
<tr>
<th>Part list for XTUS P11</th>
<th>Item number</th>
<th>Name</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>XTUS P11</td>
<td>5055696</td>
<td>Sensor bracket (see Page 374)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>XTPB V002</td>
<td>Sensor bracket (see Page 374)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>XTPD D35</td>
<td>Pallet stop, damped (see Page 371)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>5055955</td>
<td>Side support (see Page 372)</td>
<td>1</td>
</tr>
</tbody>
</table>

### D02=Damping, 100 kg

<table>
<thead>
<tr>
<th>Part list for XTUS P11</th>
<th>Item number</th>
<th>Name</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>XTUS P11</td>
<td>5055696</td>
<td>Sensor bracket (see Page 374)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>XTPD D35</td>
<td>Pallet stop, damped (see Page 371)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>XTPD D100</td>
<td>Damped stop (see Page 371)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>5055955</td>
<td>Side support (see Page 372)</td>
<td>1</td>
</tr>
</tbody>
</table>
Pallet stop devices

Pallet stop, undamped

To reduce the noise level, the stopper includes an integrated throttle valve. The throttle setting can be adjusted by means of a screwdriver. The diagram shows the maximum permissible weight of a group of pallets (product weight + pallet weight), which the stop device is capable of stopping, as a function of the conveyor speed.

Pallet return stop, undamped

Stop XTPD UR prevents the pallet from sliding backwards.

The necessary mounting hardware for attachment to an XT or XTC conveyor is included in the delivery.

Pressure range: Treated compressed air: 4–8 bar
Air connection: 6 mm outside diameter tubing
Separating function:
Open: pneumatically. Close: spring-loaded. Mounting hardware is included.

Used in combination with pallet stop devices XTPD U200, D35 or D100.
Pallet stop devices (continued)

Pallet stop device, damped

**XTPD D35**

Damped stopper, 0–35 kg

Pressure range: Treated compressed air: 4–8 bar

Air connection: 6 mm outside diameter tubing

Separating function:

Open: pneumatically. Close: spring-loaded

Mounting hardware is included.

To reduce the noise level, throttle valves should be used (M5). These are not included. The diagram shows the maximum permissible weight of a group of pallets (product weight + pallet weight), which the stop device is capable of stopping, as a function of the conveyor speed.

---

Pallet stop device, damped

**XTPD D100**

Damped stopper, 0–100 kg

Pressure range: Treated compressed air: 4–8 bar

Air connection: 6 mm outside diameter tubing

Separating function:

Open: pneumatically. Close: spring-loaded

Mounting hardware is included.

To reduce the noise level, throttle valves should be used (M5). These are not included. The diagram shows the maximum permissible weight of a group of pallets (product weight + pallet weight), which the stop device is capable of stopping, as a function of the conveyor speed.
Pallet stop devices (continued)

**Side support for pallet stop**

The side support is used with pallet sizes larger than 320 mm x 320 mm to minimize the transverse force on the side guide. Hardware for attachment to the conveyor is included in the delivery.

**Dampers**

**Damper, parallel to main**

The diagram shows the maximum permissible weight of a group of pallets (product weight + pallet weight), which the damper is capable of stopping, as a function of the conveyor speed.

The pneumatic damper XTPA CM35 is used when pallets up to 30 kg have to be damped and transferred from a parallel conveyor to the main conveyor. Mounting hardware is included in the delivery.

Pressure range: Treated compressed air, 4–8 bar
Air connection: 6 mm outside diameter tubing
Damping function:
Stop in initial position: pneumatically

**Damper, 0–30 kg**

Note
The damper is easily influenced by pressure from other pneumatic equipment. To avoid this interference the damper must be connected to a separate pneumatic valve.

XTPA CM35
The diagram shows the maximum permissible weight of a group of pallets (product weight + pallet weight), which the damper is capable of stopping, as a function of the conveyor speed.

**Pressure range:** Treated compressed air, 4–8 bar

**Air connection:** 6 mm outside diameter tubing

**Damping function:** Stop in initial position, pneumatically

**Note.** The damper is easily influenced by pressure from other pneumatic equipment. To avoid this interference the damper must be connected to a separate pneumatic valve.

**Mounting hardware is included in the delivery.**
**Sensor brackets**

**Sensor bracket Type V001**

**XTPB V001**

Vertical sensor bracket

The sensor bracket holds a Ø12 mm vertical sensor and can be mounted on the stopper XTPD U200 and the damped stopper XTPD D35. Mounting hardware is included in the delivery. Proximity switch is not included.

**Sensor bracket Type V002**

**XTPB V002**

Vertical sensor bracket

The sensor bracket holds a Ø12 mm vertical sensor and is mounted on the inside of the beam. Mounting hardware is included in the delivery. Proximity switch not included.

**Sensor bracket Type V003**

**XTPB V003**

Vertical position sensor bracket

The position sensor has an increased range and is mounted on the outside of the beam of an XT or XTC conveyor. It is intended for use with a Ø 12 mm proximity switch. Mounting hardware is included in the delivery. Proximity switch is not included.

**Sensor bracket Type H001**

**XTPB H001**

Horizontal sensor bracket

The sensor bracket holds a Ø12 mm horizontal proximity switch and is mounted on the outside of the beam of an XT or XTC conveyor. Mounting hardware is included in the delivery. Proximity sensor is not included. The horizontal proximity sensor (Ø 12 mm) must have a minimum effective sensing distance of 5 mm to the steel initiator plate in the pallet. Example: The effective sensing distance for SICK (IM12 sensing range 8 mm) is 6.48 mm. This is calculated as follows: 8 mm × 0.81. Useful sensing range = 0.81 × nominal sensing range.
Transfer module S10 A

Transfer module S – main to cross

D = D00

D = D01

Transfer module S10*

For transfer of pallets/products away from a conveyor. Maximum lifting payload: 30 kg at 6 bar.

* Use online configurator when ordering (Part list see Page 376, parts included in module)

Transfer module S11 A

Transfer module S – cross to end main

D = D00

D = D01

Transfer module S11*

For receiving of pallets/products to a conveyor without oncoming traffic. Maximum lifting payload: 30 kg at 6 bar.

* Use online configurator when ordering (Part list see Page 376, parts included in module)

Transfer module S12 A

Transfer module S – cross to mid main

D = D00

D = D01

Transfer module S12*

For receiving of pallets/products to a conveyor with oncoming traffic. Maximum lifting payload: 30 kg at 6 bar.

* Use online configurator when ordering (Part list see Page 376, parts included in module)

Motor

The transfer units are delivered with 15 m/min (E1) or 18 m/min (A1) motor.

Included in the delivery:

- One pneumatic transfer unit including the necessary proximity sensors.
- The necessary mounting hardware required for attachment to an XT or XTC conveyor.
- The required number of stoppers, dampers and sensor brackets based on the options selected.
**Part list for XTUT S10 A, XTUT S11 A and XTUT S12 A**

<table>
<thead>
<tr>
<th>Item number</th>
<th>Name</th>
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<th>Transfer modules</th>
<th>Item number</th>
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<td>- XTPE V002</td>
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<tr>
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<tr>
<td>-- XTPE U200</td>
<td>Pallet stop, undamped (see Page 370)</td>
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<td>-- XTPE D35</td>
<td>Pallet Stop, damped (see Page 371)</td>
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<td>Side support (see Page 372)</td>
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<td></td>
<td>-- XTPA CM35</td>
<td>Damper (see Page 372)</td>
<td>1</td>
</tr>
</tbody>
</table>

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Pneumatic transfer units

Pneumatic transfer Type M1

Standard chain, 50 Hz
Standard chain, 60 Hz
Conductive chain, 50 Hz
Conductive chain, 60 Hz

When ordering, insert the pallet size instead of PW×PL in the designation.

*For the following pallet sizes (PW×PL):
240×240: C-C=210, W=169, L=259
240×320: C-C=290, W=169, L=339
320×240: C-C=210, W=249, L=259

Motor cable connector

The connector for motor cable is a male 3-pole insert with a housing for the insert. To connect, a female 3-pole insert with a hood for the insert and a screw cap for the hood are required (not supplied by FlexLink). Suitable types are Weidmüller 1498200000 (insert), 1788520000 (hood), and 13-08080521 (M20 screw cap), or equivalent.

The diagram shows the maximum permissible weight of a pallet (product weight + pallet weight), which the transfer is capable of stopping, as a function of the conveyor speed. This diagram applies to transfers type M1, M2 and L.
Pneumatic transfer Type M2

Motor cable connector

The connector for motor cable is a male 3-pole insert with a housing for the insert. To connect, a female 3-pole insert with a hood for the insert and a screw cap for the hood are required (not supplied by FlexLink). Suitable types are Weidmüller 1498200000 (insert), 1788520000 (hood), and 13-08080521 (M20 screw cap), or equivalent.

Connectors for proximity switches M8 (2×)

Throttle valves (2×)

Pneumatic connections Ø6 mm (2x)

Scope of delivery

S3 valve

Mid position pressurized

When ordering, insert the pallet size instead of PW×PL in the designation.

*For the following pallet sizes (PW×PL):
320×320: C-C=290, W=249, L=339
320×400: C-C=370, W=249, L=419
400×320: C-C=290, W=329, L=339
400×400: C-C=370, W=329, L=419
400×480: C-C=610, W=329, L=659
Pneumatic transfer units (continued)

Pneumatic transfer Type L

Motor cable connector

The connector for motor cable is a male 3-pole insert with a housing for the insert. To connect, a female 3-pole insert with a hood for the insert and a screw cap for the hood are required (not supplied by FlexLink). Suitable types are Weidmüller 1498200000 (insert), 1788520000 (hood), and 13-08080521 (M20 screw cap), or equivalent.
Roller kits

**Roller kit 45 mm**

Kit consists of two roller bridges and the necessary mounting hardware.

**Roller kit 65 mm**

Kit consists of two roller bridges and the necessary mounting hardware.
### XT function modules, Locating function module XTUL P11 A

#### Included in the delivery:
- One locating station, including non-return throttle valves.
- The necessary number of stoppers and sensor brackets, based on the option selected.
- The necessary mounting hardware required for attachment to an XT or XTC conveyor.

#### Option F00

Locating function module XTUL P11 A

Singulates to stop and locates one pallet at a time along the conveyor with a repeatability in x and y directions of ±0.05 mm.

Two diagonal lift units with guide pins. Only for PW or PL ≤ 400 mm

* Use online configurator when ordering (Part list see Page 382, parts included in module)

#### Option F01

Locating function module XTUL P11 A

Singulates to stop and locates one pallet at a time along the conveyor with a repeatability in x and y directions of ±0.05 mm.

Four lift units: two diagonal lift units with guide pins and two without guide pins.

* Use online configurator when ordering (Part list see Page 382, parts included in module)
### Part list for Locating function module XTUL P11 A

#### D00=No damping

<table>
<thead>
<tr>
<th>Item number</th>
<th>Name</th>
<th>Qty</th>
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<td>X X - XTPB V001</td>
<td>Sensor bracket (see Page 374)</td>
<td>2</td>
</tr>
<tr>
<td>X X - XTPD U200</td>
<td>Pallet stop, undamped (see Page 370)</td>
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</tr>
<tr>
<td>X X 5055955</td>
<td>Side support (see Page 372)</td>
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</tr>
<tr>
<td>X 5055802</td>
<td>Lift unit kit (see Page 383)</td>
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#### D01=Damping

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<td>Sensor bracket (see Page 374)</td>
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</tr>
<tr>
<td>X X - XTPB V001</td>
<td>Sensor bracket (see Page 374)</td>
<td>2</td>
</tr>
<tr>
<td>X X - XTPD D35</td>
<td>Pallet stop, damped (see Page 371)</td>
<td>2</td>
</tr>
<tr>
<td>X X 5055955</td>
<td>Side support (see Page 372)</td>
<td>1</td>
</tr>
<tr>
<td>X 5055802</td>
<td>Lift unit kit (see Page 383)</td>
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</table>

#### D02=Damping, 100 kg

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<tr>
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</tr>
<tr>
<td>X X - XTPD D35</td>
<td>Pallet stop, damped (see Page 371)</td>
<td>1</td>
</tr>
<tr>
<td>X X - XTPD D100</td>
<td>Damped stop (see Page 371)</td>
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</tr>
<tr>
<td>X 5055802</td>
<td>Lift unit kit (see Page 383)</td>
<td>1</td>
</tr>
</tbody>
</table>
XT function modules, Pallet locating station XTPX P11A

Pallet locating station

The locating station consists of locating cylinders including pins and brackets. Larger pallets may require additional lifting force. A lift unit kit 5055802 is available which contains two lift units without guide pins. Pressure range, treated compressed air: 4–8 bar
Air connection: 2×6 mm outside diameter tubing
Pallet lifting height: 1.5 mm
Maximum vertical force per cylinder at 0.6 MPa: 544 N
Throttle valves and the necessary mounting hardware for attachment to an XT or XTC conveyor are included.

Locating station

XTPX P11 A

See chapter "Locating function module P11 A" on page 381 for information about the locating function module.

Lift unit kit

Lift unit kit 5055802

Kit consists of two lift units without guide pins. To be used for large pallets (PW or PL >400 mm).
Suitable sensors: SICK, MZT1-03VPS-KR0 magnetic cylinder sensor, DC 3-wire.
The lift-and-locate function is used when a product needs to be located at a specific height prior to a machine operation.

**Delivery**

- One lift-and-locate module, including non-return throttle valves.
- The necessary number of stoppers and sensor brackets, based on the option selected.
- The necessary mounting hardware required for attachment to an XT or XTC conveyor.

*Use online configurator when ordering (Part list see Page 385, parts included in module)*

The lift-and-locate unit consists of a plate which can be elevated by a pneumatic cylinder. The plate has two locating pins. The unit can be delivered with top plates adapted for the standard pallet sizes. Maximum lift force at centre (0.6 MPa): 1177 N

Lift height: 0–225 mm (adjustable)

Locating repeatability in x and y directions: ±0.05 mm

In order to avoid influence from conveyor movements, attach the conveyor to a reference support.

It is recommended to enclose the unit to protect persons from the clamp risk.

This product is available for all XT pallet sizes.
**Part list for Lift-and-locate module XTUL P12**

### D00=No damping

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<td>XTPD U200</td>
<td>Pallet stop, undamped (see Page 370)</td>
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<td>XTPB V001</td>
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### D01=Damping, 35 kg

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<td>XTPB V001</td>
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### D02=Damping, 100 kg

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