Pallet handling components XT

Contents

Introduction 345
System information XT....346
Technical characteristics 346

Conveyor System XTC

Conveyor – introduction....347

XTC components

Chain XTC 348
Conveyor beam products XTC....349
Tools and accessories, 30×30 beam 350
Slide rails 351
Slide rail tools 351
Drive units – introduction....352
Left and right drive unit, with pallet guiding 353
Left and right drive unit, without pallet guiding 354
Left and right drive unit, with pallet guiding 355
Mid drive unit, with pallet guiding 356
Mid drive unit, without pallet guiding 357
Idler end unit....357
Connecting kits 358
Plain bends XTC....359
Vertical bends XTC....361
Guide rail components 362
XTC support modules....363
Support brackets....364

Conveyor System XT

Conveyor – introduction....365

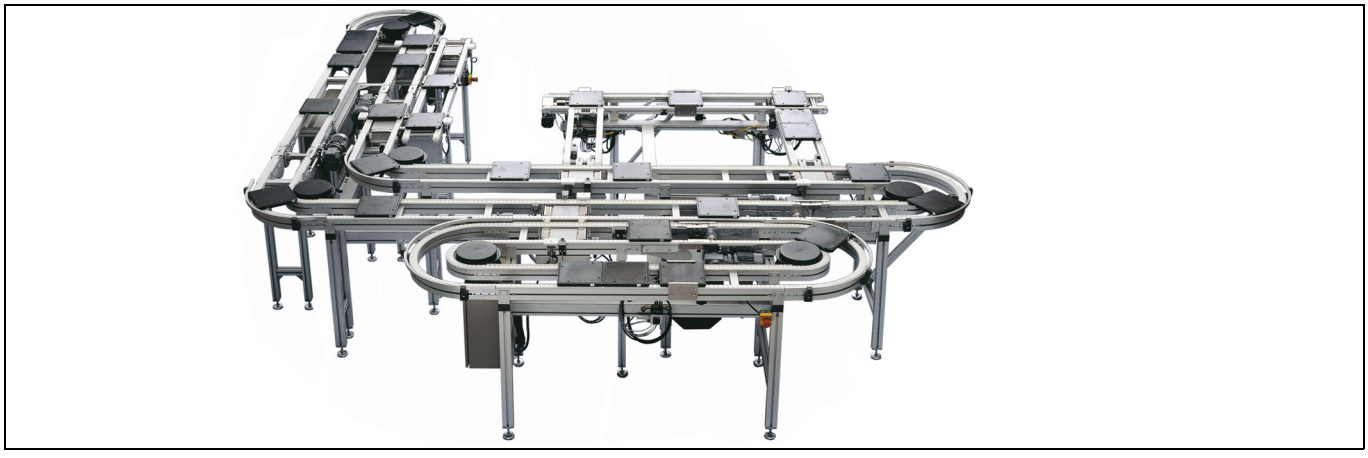
XT components

Conveyor beam products XT 367
Tools and accessories, 44×44 beam 368
Slide rails 369
Slide rail tools 369
End drive units – introduction 370
End drive units XT, direct drive, no slip clutch 371
End drive units XT, Mid drive 372
End drive units XT, Mid drive, Heavy....373
Idler end unit....374
Connecting kits....374
Wheel bends and Plain bends 376
Vertical bend 377
Guide rail components 378
XT support modules....380
Support brackets....381

XT Pallet function

Pallets 382
Stop function module P11....384
Pallet stop devices....385
Dampers....387
Sensor brackets 389
XT transfer modules, XTUT S10A, XTUT S11A, XTUT S12A....390
XT function modules, Locating function module XTUL P11 A....396
XT function modules, Pallet locating station XTPX P11A....398
XT function modules, Lift-and-locate function module XTUL P12 399

Introduction

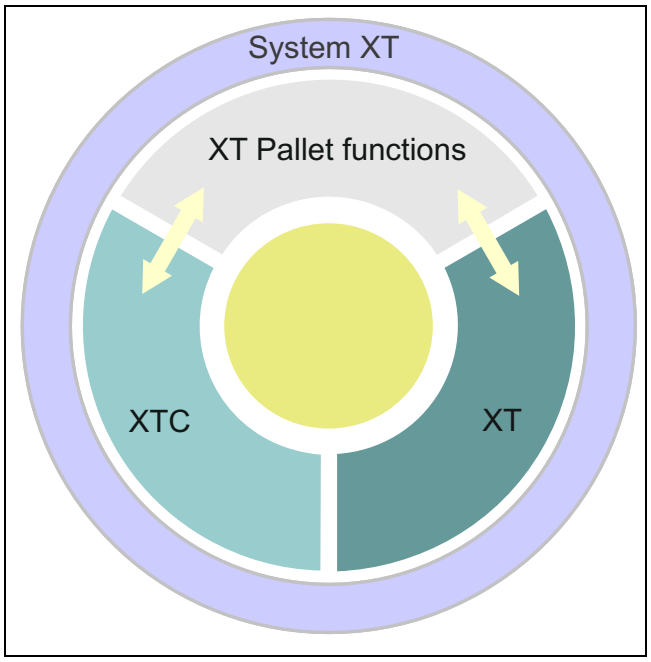


System description

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



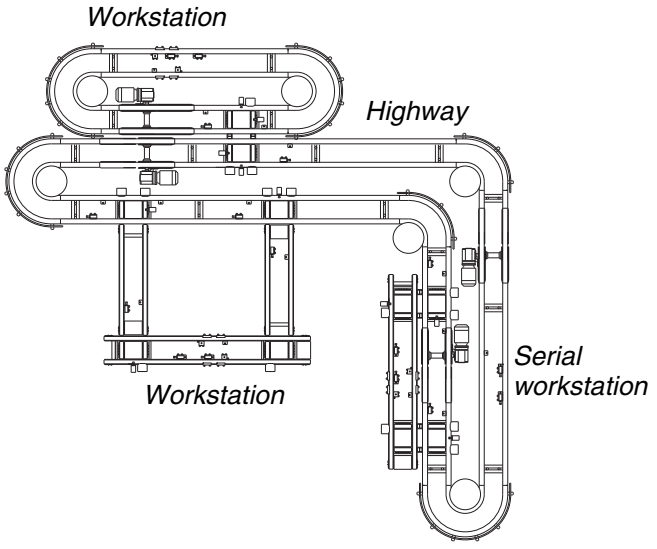
Conveyor XTC and XT

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 subordinated 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

System	XTC	XT
Beam width, single track	45 mm	45 mm
Chain width	35 mm	35 mm
Chain pitch	12,7 mm	25,4 mm
Drive unit capacity	400 N (at 5m/min)	1250 N- 1800 N
Chain tension limit	200 N (100 N conductive chain)	900 N (360 N conductive chain)
Standard pallet sizes	240×240 mm up to 640×640 mm, including rectangular sizes	240×240 mm up to 640×640 mm, including rectangular sizes
Horizontal plain bends:	90°/180° (Maximum 2x90° or 1x180°)	90°/180°
Horizontal wheel bends	--	90°/180°
Vertical bends:	5°, 15°	5°
Maximum:		
Conveyor length	4 m	25 m
Conveyor speed	20 m/min	20 m/min
Accumulated weight at 5 m/min	100 kg	250 kg
Pallet weight	See “Technical specifications” on page 382.	
Permitted load / 100 mm conveyor	8 kg	8 kg

 © FlexLink 2021

Conveyor – introduction

Conveyor - introduction

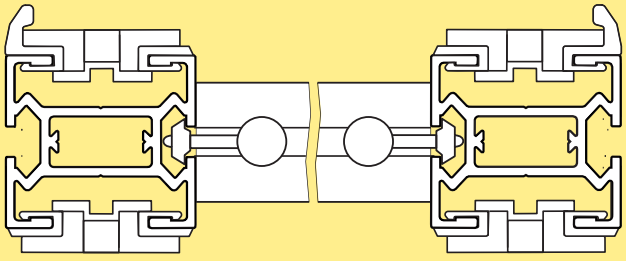
XTC is a twin track conveyor system specially designed for shorter transportations up to 4 meters. It has a slim design making it suitable to use in narrow spaces.

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 rigidness, 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.



Cross-section of guided straight section conveyor beam

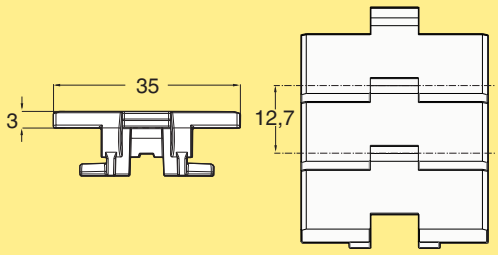
Examples of application areas

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.

XTC components

Chain XTC

Plain chain, XTC

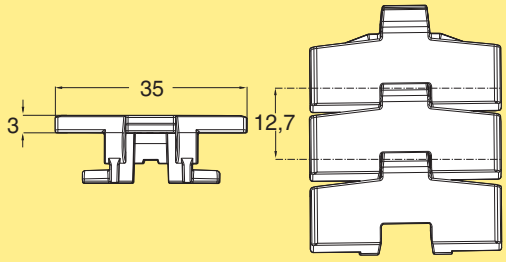


Plain chain, XTC
Pitch 12,7 mm. Only for straight-running conveyor (XTC).

Length 3 m	
Standard chain	**XUTP 3B35**
Standard link kit **	**5056662**
Conductive chain *	**XUTP 3B35 E**
Conductive link kit **	**5056664**
Plain chain (Ultra low wear)	**XUTP 3B35 C**
Ultra low wear link kit**	**5123388**

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

Plain chain, Side flexing, XTC

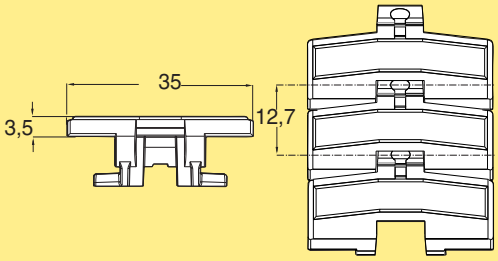


Plain chain

Length 3 m	
Standard material	**XUTP 3A35**
Plain link kit	**5123389**
Conductive Chain	**XUTP 3A35 E**
Conductive link kit **	**5123390**
Plain chain (Ultra low wear)	**XUTP 3A35 C**
Ultra low wear link kit	**5123391**

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

Friction top chain, XTC

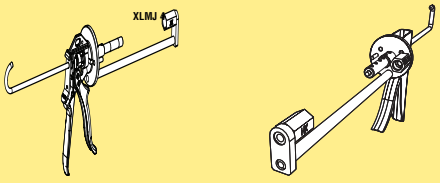


Friction top chain

Length 3 m	
All links are friction type	
Standard material	**XUTP 3A35 F**
Plain link kit*	**5113049**

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

Pin insertion tool for chain

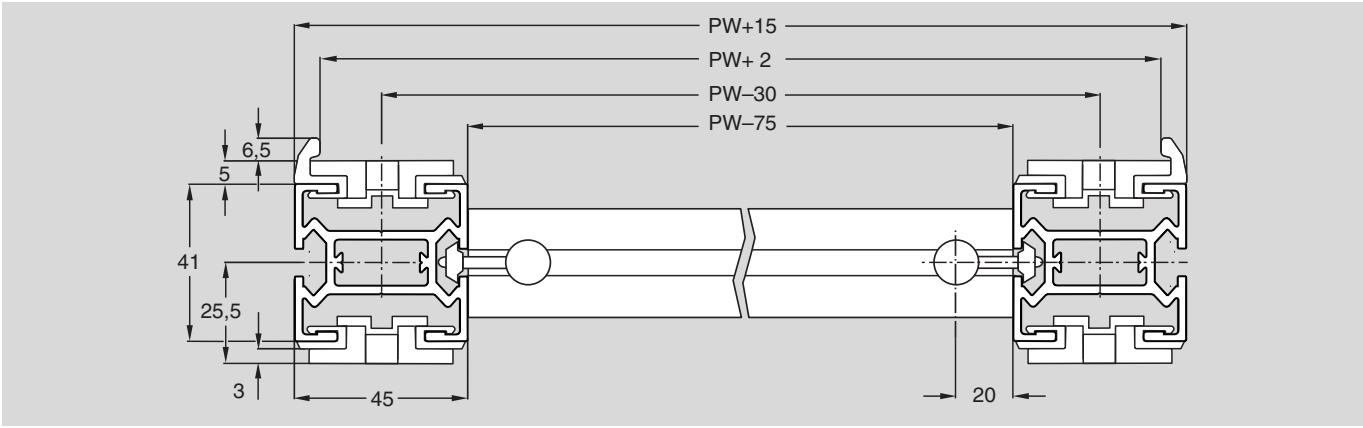


Pin insertion tool

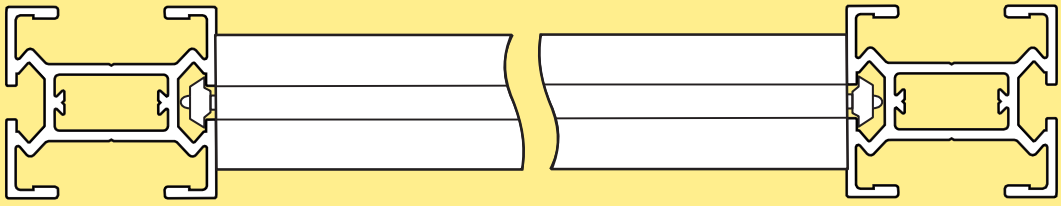
XS-X65-XT	**XLMJ 4**
XS-X65-XT, PRO version*	**XLMJ 4 P**

For FlexLink´s XT chains XTTP 5, XTTP 5 EC and 6045771.
**This product is recommended for frequent users.*

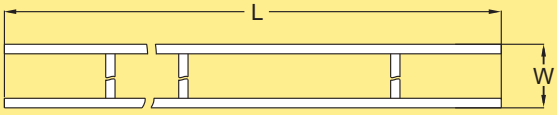
 © FlexLink 2021



Conveyor beam section



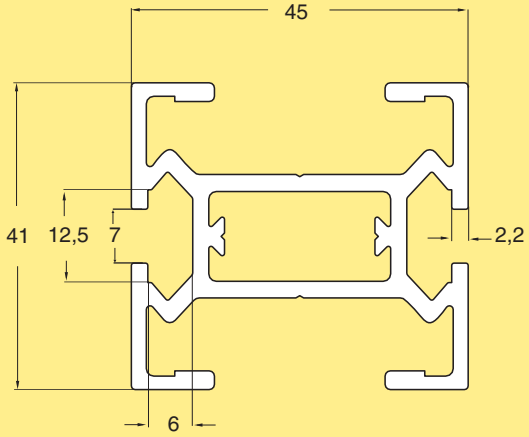
Qty of cross section beams:	
170-1000 mm	1 pc
1001-2000 mm	2 pcs
2001-3000 mm	3 pcs



Beam section (assembled) configured item* PW= 240, 320, 400, 480, 640 L= Length to order (170–3000 mm) W= Width to order (180–800 mm)	**XUCB LD**
Beam section (assembled) for pallets 240 mm wide. L= Length 3000 ±1,5 mm	**XUCB 3D210**
Beam section (assembled) for pallets 320 mm wide. L= Length 3000 ±1,5 mm	**XUCB 3D290**
Beam section (assembled) for pallets 400 mm wide. L= Length 3000 ±1,5 mm	**XUCB 3D370**
Beam section (assembled) for pallets 480 mm wide. L= Length 3000 ±1,5 mm	**XUCB 3D450**
Beam section (assembled) for pallets 640 mm wide. L= Length 3000 ±1,5 mm	**XUCB 3D610**

** Use online configurator when ordering*

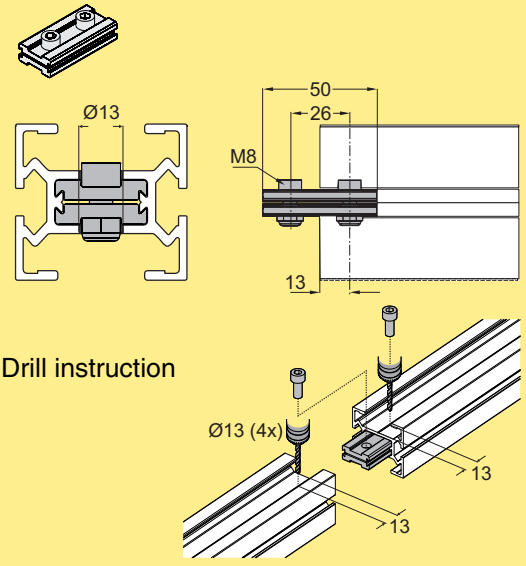
Conveyor beam



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

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

Connecting strip kit

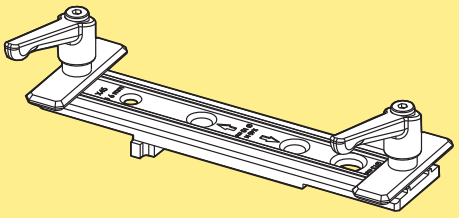


Drill instruction

Connecting strip kit
Aluminium **XUCJ 50**

Including M8 screws.

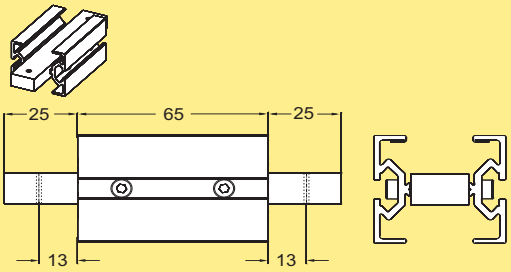
Drill fixture for conveyor beam



Drill fixture for conveyor beam **5123264**

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

Beam section for chain installation

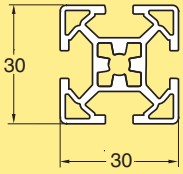


Beam section kit **XUCC 65**

Including connection strips and screws

Tools and accessories, 30×30 beam

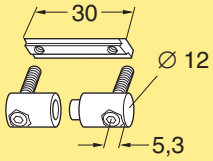
Beam 30 mm × 30 mm



Beam 30 mm × 30 mm
Aluminium, anodized
Length 3000 mm (3030 ±5 mm) **XFBM 3×30**
Length to order (30- 3000 mm) **XFBM L×30**

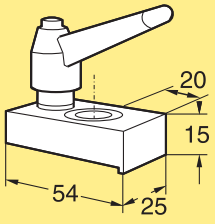
Used for XTC

Fastener yoke for 30×30 beam



Fastener yoke assembly
Length 30 mm **XFAF 30**

Drill fixture for fastener yokes



Drill fixture for fastener yokes
(Ø12,2 mm) **XFAD 12**

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

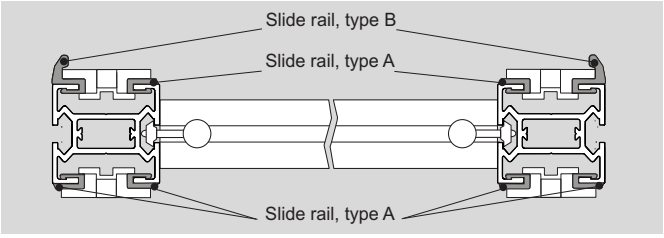
 © FlexLink 2021

Slide rails

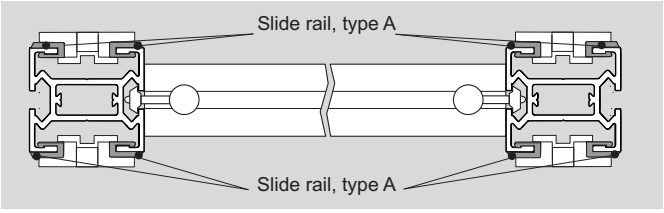
Slide rail configuration

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

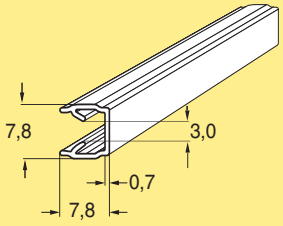
With pallet side guides



No pallet side guides

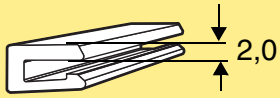


Cover strip



Cover strip for T-slot
Length 3 m
Polyvinyl chloride, grey **XFAC 3 T**

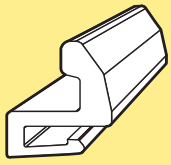
Slide rail, type A



Slide rail (A)
Length 25 m

PA-PE (Grey)	**XTCR 25 H**
UHMW-PE(White)	**XTCR 25 U**
UHMW-PE + carbon (conductive) (Black)	**XTCR 25 E**

Slide/guide rail, type B

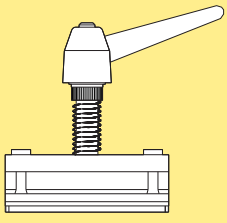


Slide/guide rail (B)
Length 3 m

PA-PE (Grey)	**XTCR 3 HB**
UHMW-PE (White)	**XTCR 3 UB**
UHMW-PE + carbon (conductive) (Black)	**XTCR 3 EB**

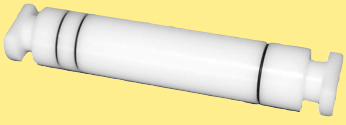
Slide rail tools

Drill fixture for slide rail



Drill fixture for slide rail **3923584**

Mounting tool for slide rail

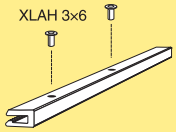


Mounting tool for slide rail **XTMR 160 A**

Rivet tool

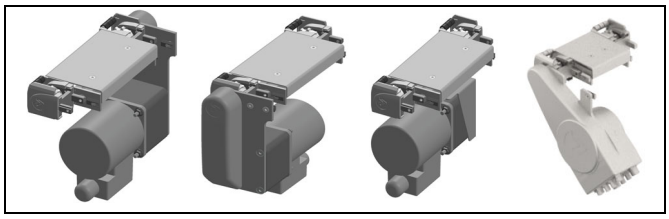
Rivet tool **3923563**

Aluminium rivets 3 mm



Aluminium rivets 3 mm **XLAH 3x6**

Note. Contains 250 pcs.

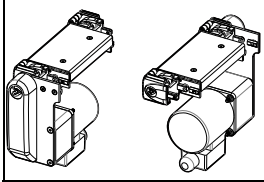
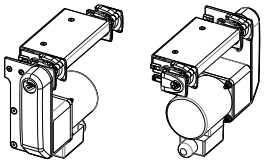
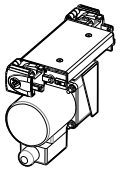
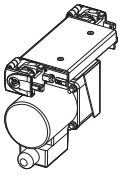
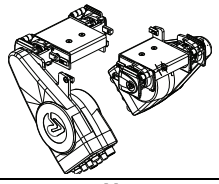


End drive units

Drive unit types

The XTC system includes direct driven units without slip clutch, and motors with fixed speed (**F**) or variable motor speed (**V**).

End drive units XTC

Left and right drive unit, with pallet guiding	Left and right drive unit, without pallet guiding
	
F	F
Mid drive unit, with pallet guiding	**Mid drive unit without pallet guiding**
	
F	F
Left and right double drive unit	
	
V	

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
Speed 5 - 20 m/min, DC 24V

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.

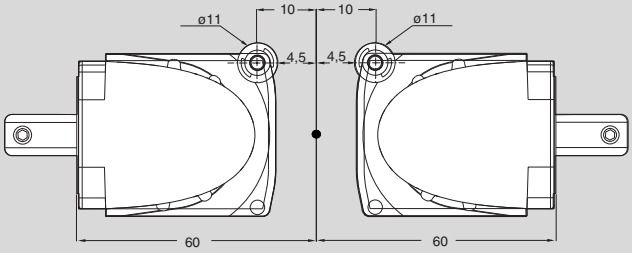
- Connecting strips are included with the drive units.
- Slide rail must be ordered separately.

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.

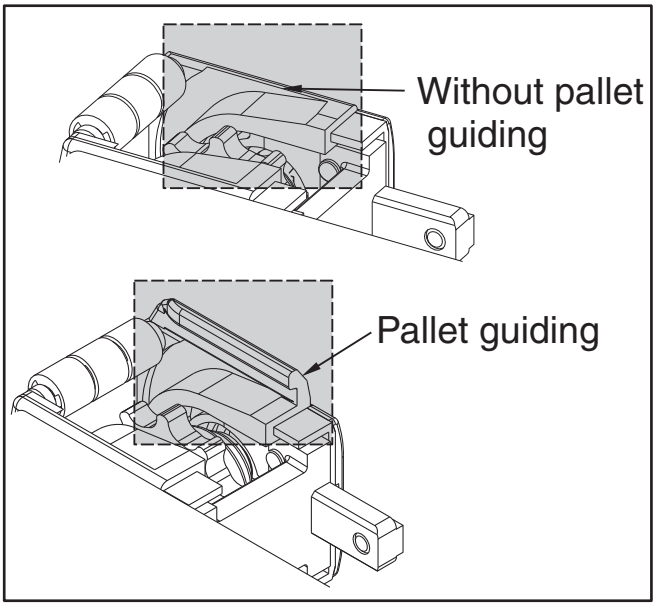
Minimum clearance distance

When two conveyors meet end to end, they must be separated by a minimum clearance distance, see the figure



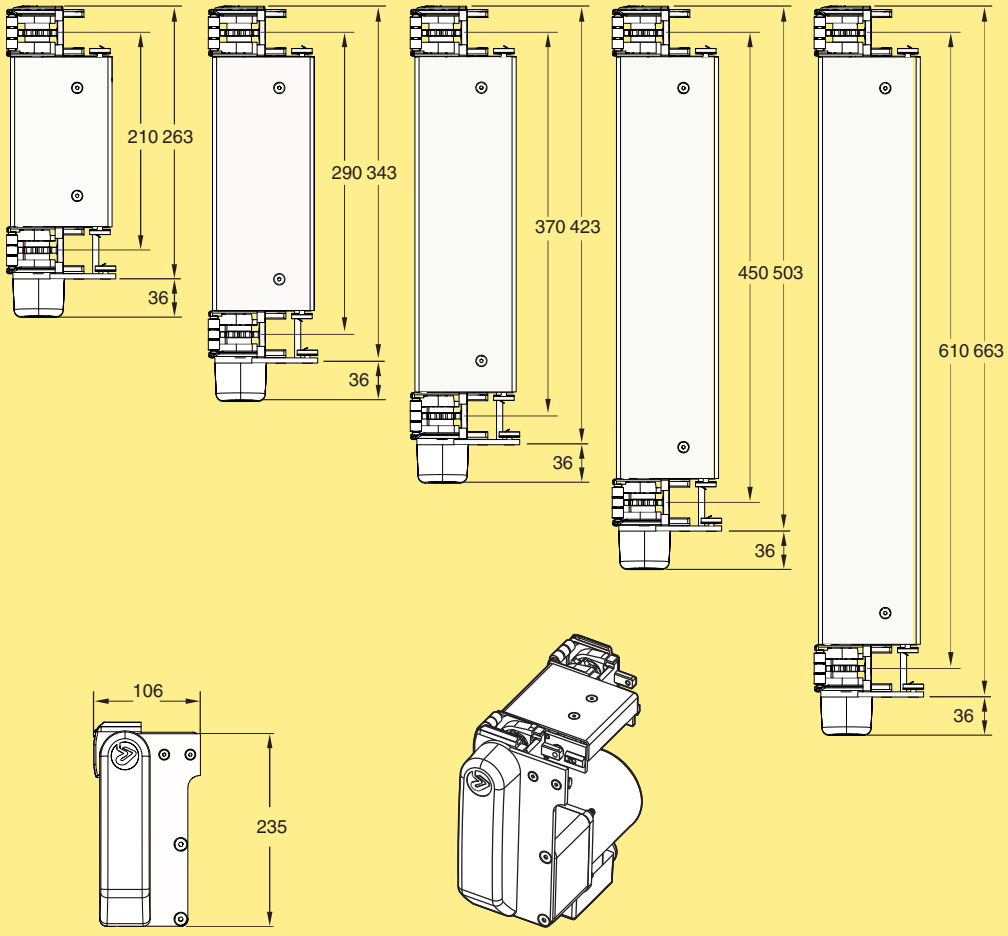
XT Compact

Pallet guiding and without pallet guiding



 © FlexLink 2021

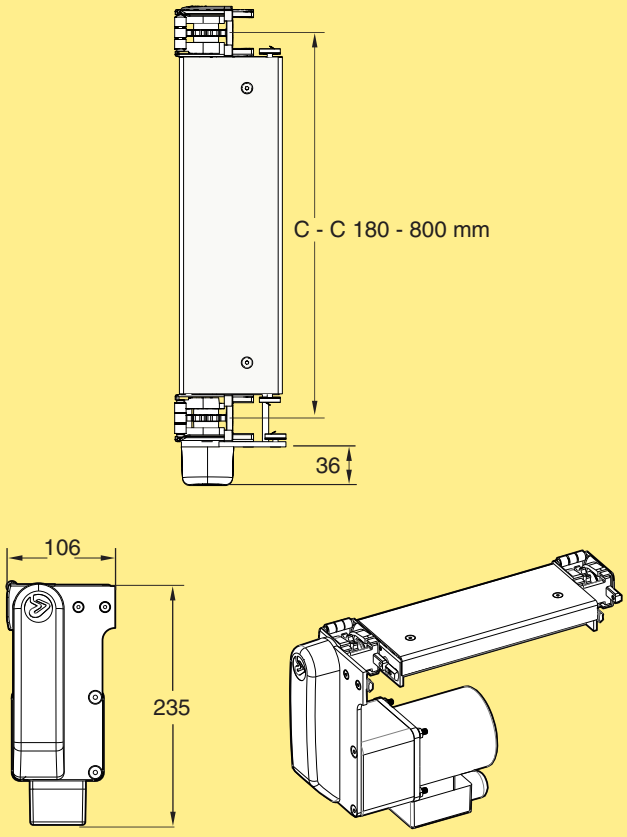
Left and right drive unit, with pallet guiding



Left and right drive unit, with pallet guiding, configured item* Fixed speed*, Pallet width 240, 320, 400, 480, 640 mm	**XUEB DD P**
Left and right drive unit, with pallet guiding, without motor Pallet width 240 mm Transmission on left side Transmission on right side	 **XUEB 0 LGPD210** **XUEB 0 RGPD210**
Left and right drive unit, with pallet guiding, without motor Pallet width 320 mm Transmission on left side Transmission on right side	 **XUEB 0 LGPD290** **XUEB 0 RGPD290**
Left and right drive unit, with pallet guiding, without motor Pallet width 400 mm Transmission on left side Transmission on right side	 **XUEB 0 LGPD370** **XUEB 0 RGPD370**
Left and right drive unit, with pallet guiding, without motor Pallet width 480 mm Transmission on left side Transmission on right side	 **XUEB 0 LGPD450** **XUEB 0 RGPD450**
Left and right drive unit, with pallet guiding, without motor Pallet width 640 mm Transmission on left side Transmission on right side	 **XUEB 0 LGPD610** **XUEB 0 RGPD610**

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

Left and right drive unit, without pallet guiding

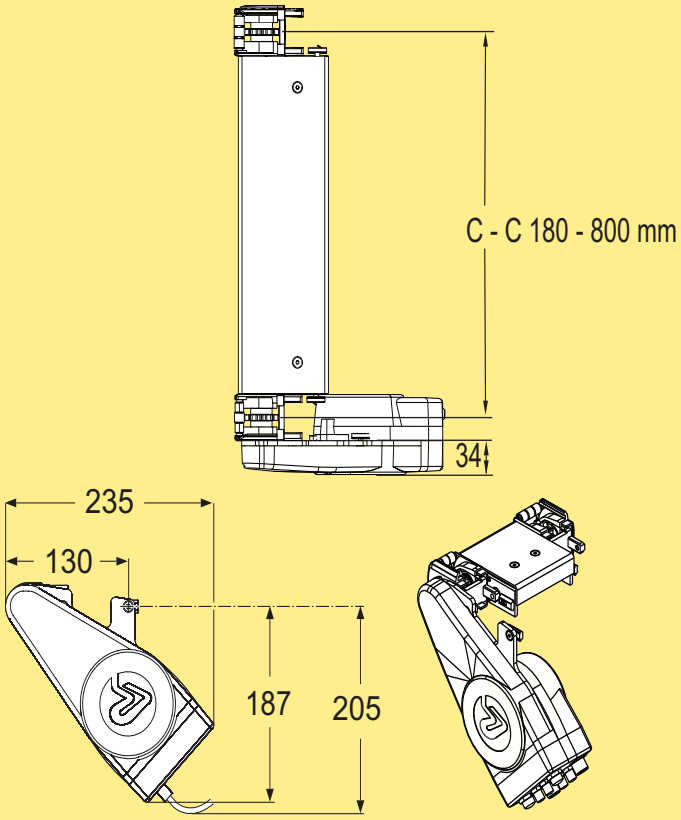


Left and right drive unit, without pallet guiding, configured item*
Fixed speed
C - C =180- 800 mm

XUEB DD P

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

 © FlexLink 2021

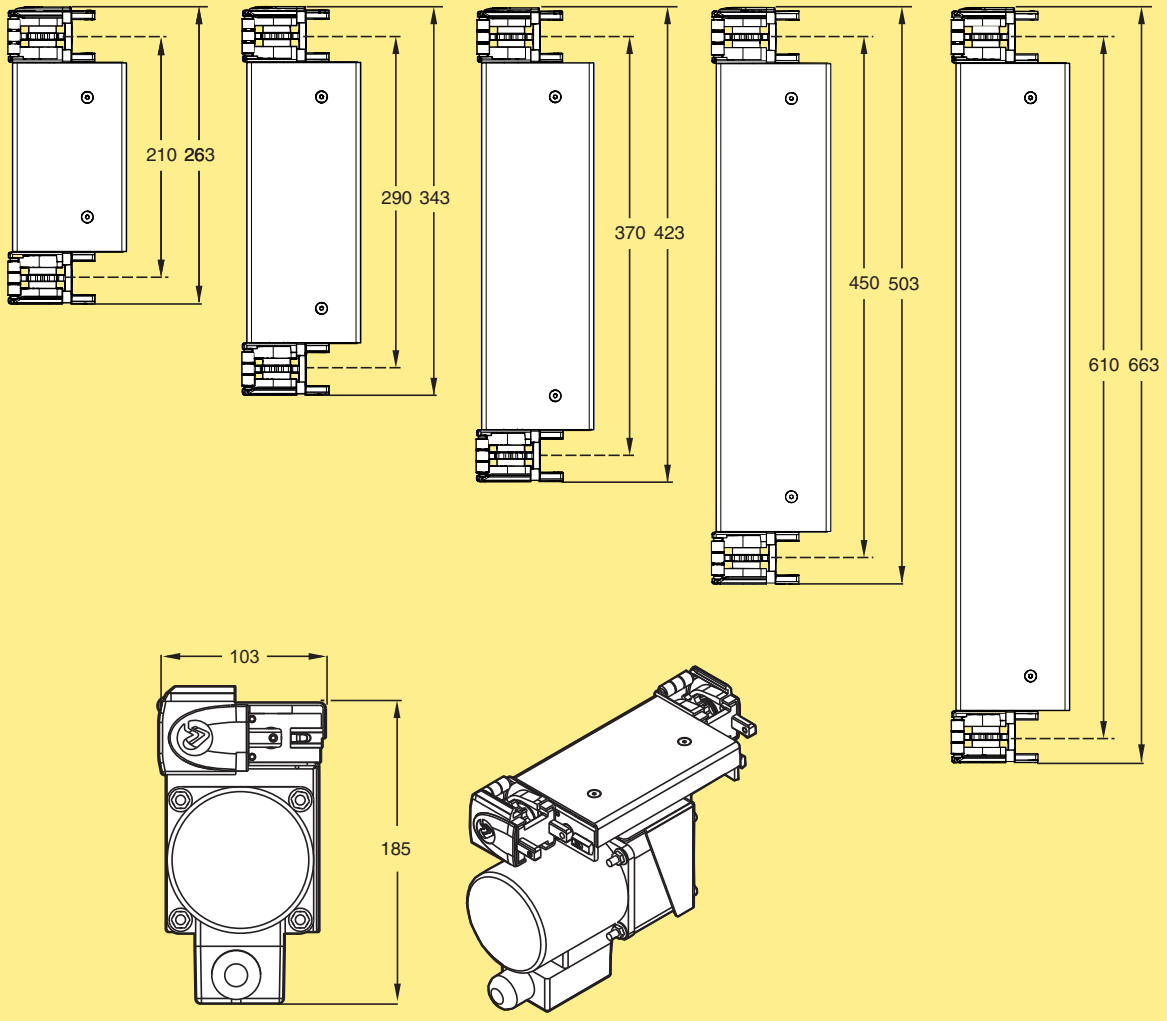


Left and right drive unit, with pallet guiding, configured item*
Variable speed
C - C =180- 800 mm

XUEB DD P

** Use online configurator when ordering*
Effective track length: 2x0,125 m
For more information about 24V motors, see section X45C

Mid drive unit, with pallet guiding

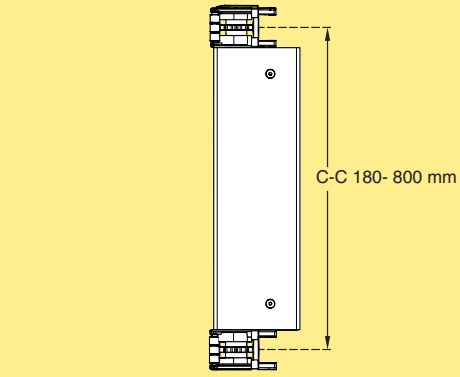


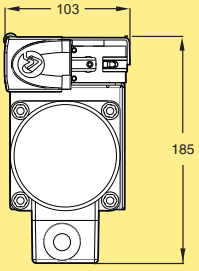
Mid drive unit, with pallet guiding, configured item* Fixed speed*, Pallet width 240, 320, 400, 480, 640 mm	**XUEB DD P**
Mid drive unit, with pallet guiding, without motor Pallet width 240 mm	**XUEB 0 MGPD210**
Mid drive unit, with pallet guiding, without motor Pallet width 320 mm	**XUEB 0 MGPD290**
Mid drive unit, with pallet guiding, without motor Pallet width 400 mm	**XUEB 0 MGPD370**
Mid drive unit, with pallet guiding, without motor Pallet width 480 mm	**XUEB 0 MGPD450**
Mid drive unit, with pallet guiding, without motor Pallet width 640 mm	**XUEB 0 MGPD610**

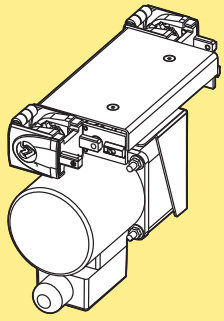
** Use online configurator when ordering*
Effective track length: 2x0,125 m

 © FlexLink 2021

Mid drive unit, without pallet guiding







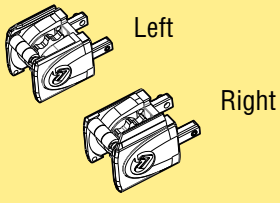
Mid drive unit, without pallet guiding, configured item*
Fixed speed
C - C =180- 800 mm

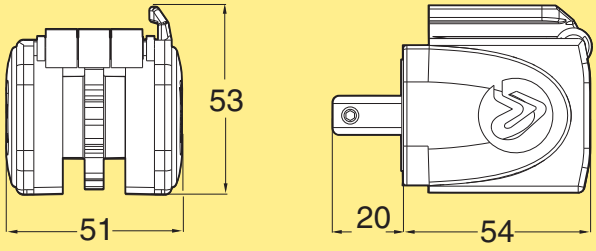
XUEB DD P

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

Idler end unit

Idler end unit XTC, with pallet guiding





Idler end unit left, with pallet side guide

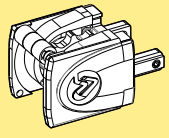
XUEJ 50 LGP

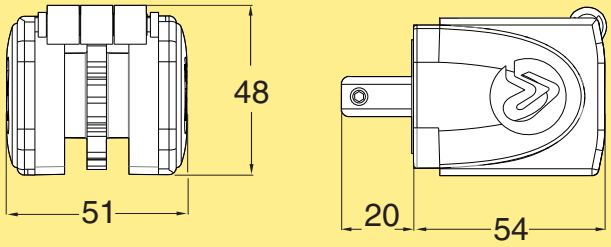
Idler end unit right, with pallet side guide

XUEJ 50 RGP

Effective track length: 0,125 m

Idler end unit XTC, without pallet guiding



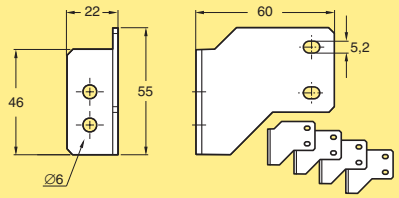


Idler end unit right or left, without pallet side guide
Note! Two idler units must be ordered for a conveyor with return chain.

XUEJ 50 P

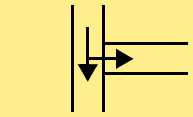
Effective track length: 0,125 m

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

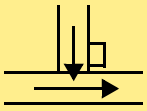


Connecting kit (four brackets) **5050034**

Including mounting hardware.

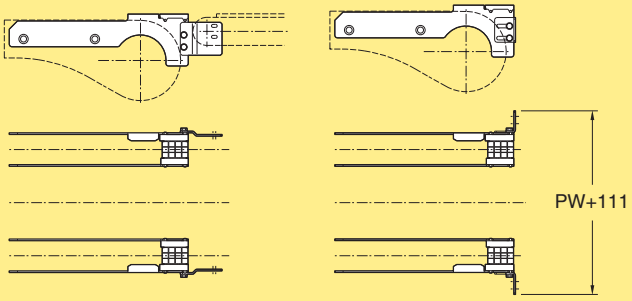


XT to XTC
XTC to XTC



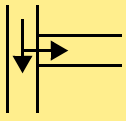
XTC to XT
XTC to XTC

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

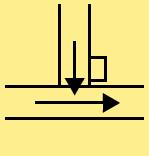


Connecting kit, one pair **5053199**

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



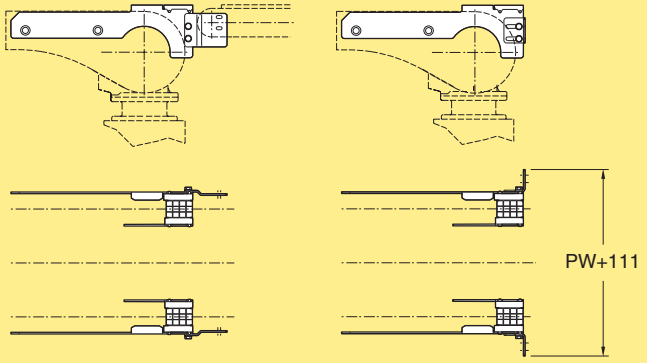
XT to XT
XTC to XT



XT to XT
XT to XTC

XT to XTC
XTC to XT

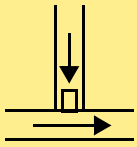
Connecting kit, end-to-side/end-to-end



Connecting kit, one pair **5053201**

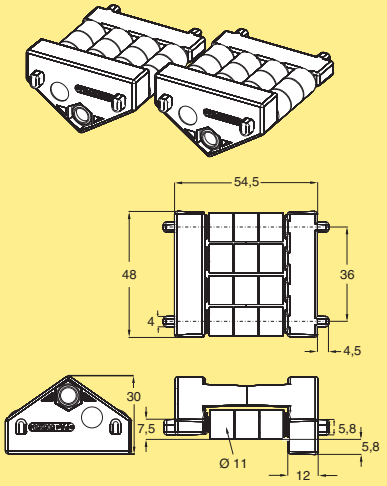
For in-line or perpendicular transfer from drive unit with mid-mounted motor.
Including brackets for both alternatives.

XT to XTC



XT to XT
XT to XTC

Roller bridge (pair), Spare parts

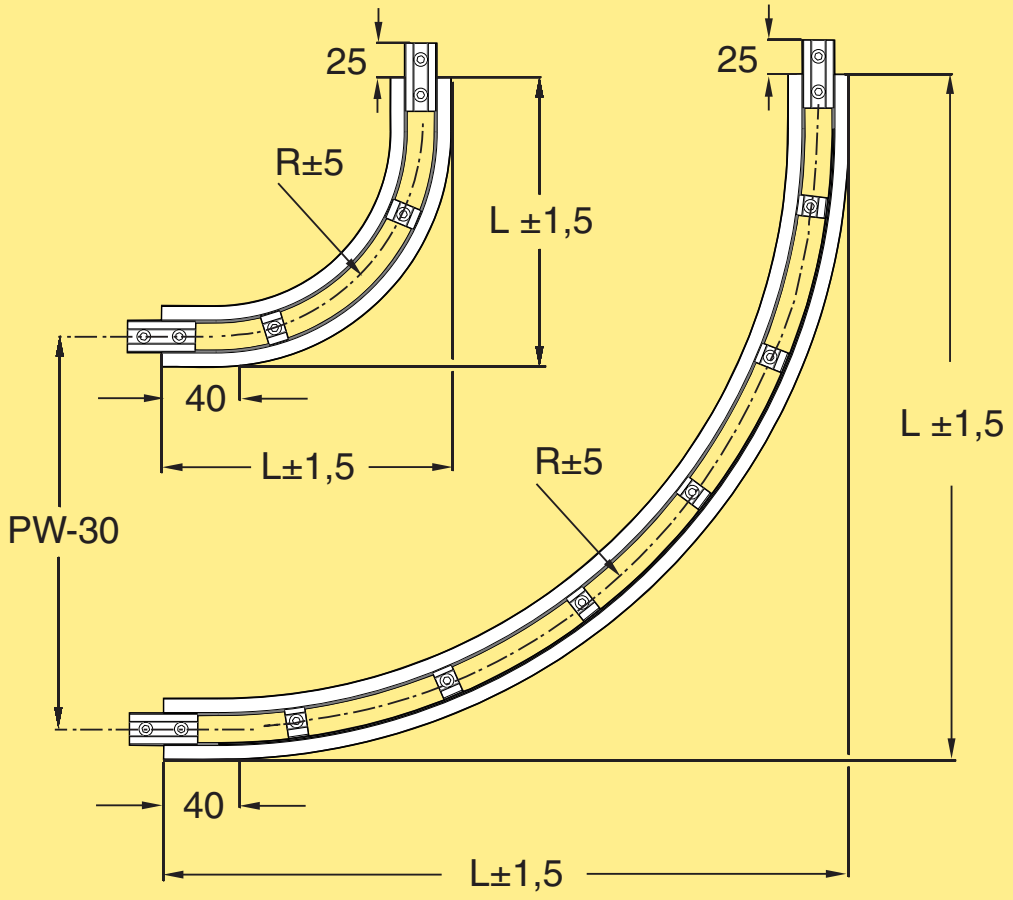


Roller bridge, one pair **5054947**

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

 © FlexLink 2021

Plain bends 90°



Item no	Radius (R)	Length (L)
XUBP 90R150	150 ±5 mm	213 mm
XUBP 90R360	360 ±5 mm	423 mm
XUBP 90R440	440 ±5 mm	503 mm
XUBP 90R520	520 ±5 mm	583 mm
XUBP 90R600	600 ±5 mm	663 mm
XUBP 90R760	760 ±5 mm	823 mm

Plain bend, 90°, inner curve

Effective track lengths: R150: 0,35 m, PW 240, 320, 400, 480, 640 — **XUBP 90R150**

Plain bend, 90°, outer curves

Effective track lengths: R360: 0,65 m, PW 240 — **XUBP 90R360**

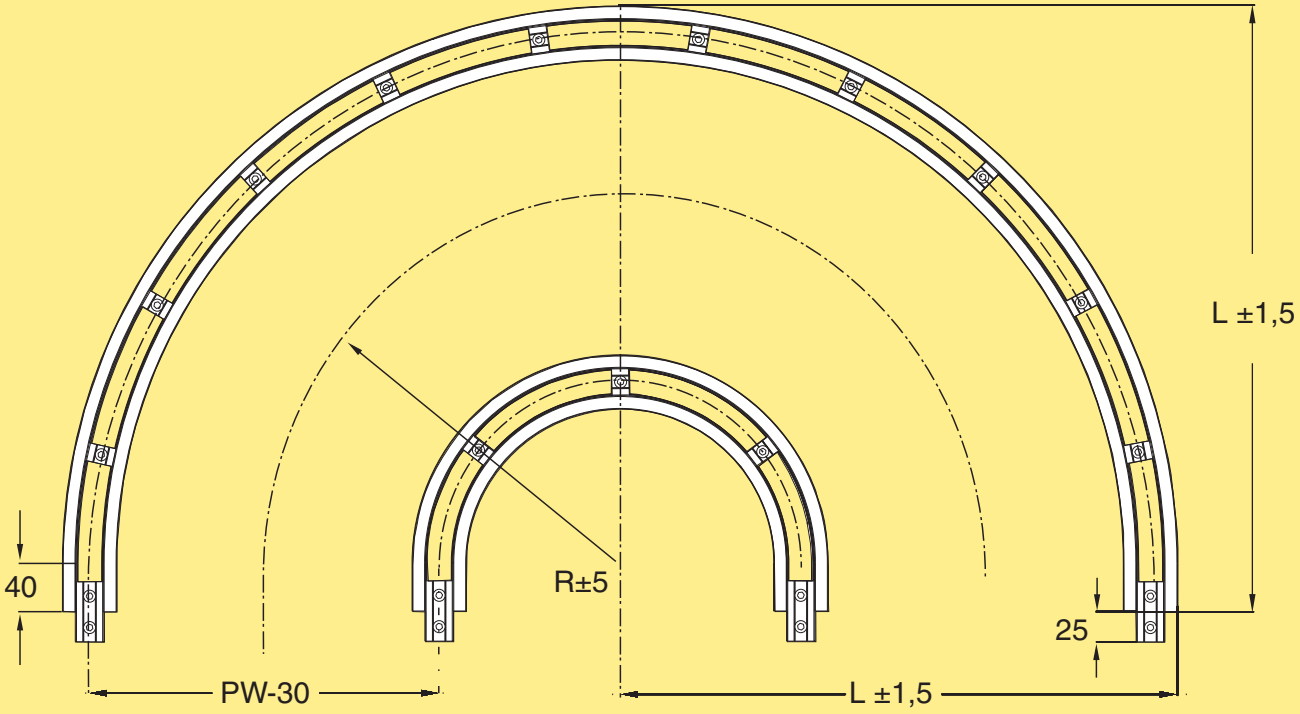
Effective track lengths: R440: 0,80 m, PW 320 — **XUBP 90R440**

Effective track lengths: R520: 0,9 m, PW 400 — **XUBP 90R520**

Effective track lengths: R600: 1,0 m, PW 480 — **XUBP 90R600**

Effective track lengths: R760: 1,3 m, PW 640 — **XUBP 90R760**

Plain bends 180°



Item no	Radius (R)	Length (L)
XUBP 180R150	150 ±5 mm	173 mm
XUBP 180R360	360 ±5 mm	383 mm
XUBP 180R440	440 ±5 mm	463 mm
XUBP 180R520	520 ±5 mm	543 mm
XUBP 180R600	600 ±5 mm	623 mm
XUBP 180R760	760 ±5 mm	783 mm

Plain bend, 180° inner curve

Effective track lengths:R150: 0,62 m, PW 240, 320, 400, 480, 640 **XUBP 180R150**

Plain bend, 180°, outer curves

Effective track lengths: R360: 1,2 m, PW 240 **XUBP 180R360**

Effective track lengths: R440: 1,5 m, PW 320 **XUBP 180R440**

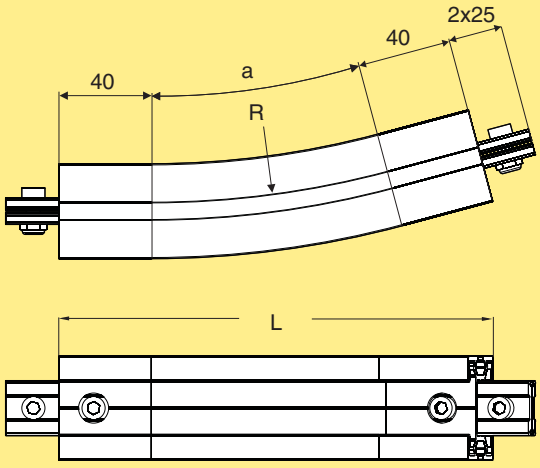
Effective track lengths: R520: 1,7 m, PW 400 **XUBP 180R520**

Effective track lengths: R600: 2,0 m, PW 480 **XUBP 180R600**

Effective track lengths: R760: 2,5 m, PW 640 **XUBP 180R760**

 © FlexLink 2021

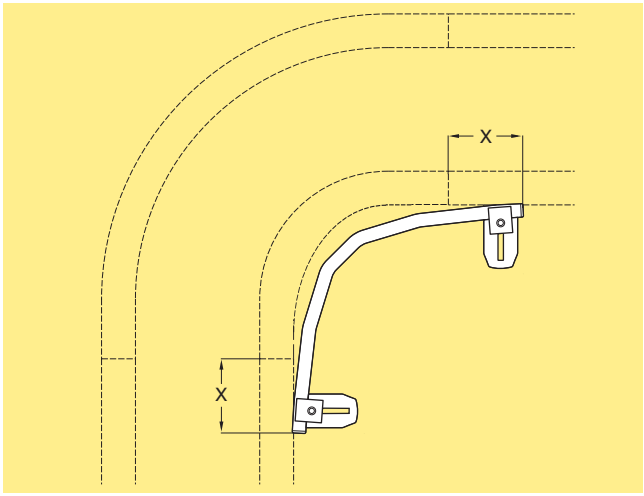
Vertical bend, 5° and 15°



Vertical bend 5° R=400, L=116,5, a=5°	**XUBV 5R400**
Vertical bend 15° R=400, L=187, a=15° (Require Friction top chain XUTP 3A35 F)	**XUBV 15R400**

Effective track lengths:
a=5° *R400: 0,20 m 1-way (0,40 m 2-way)*
a=15° *R400: 0,26 m 1-way (0,52 m 2-way)*

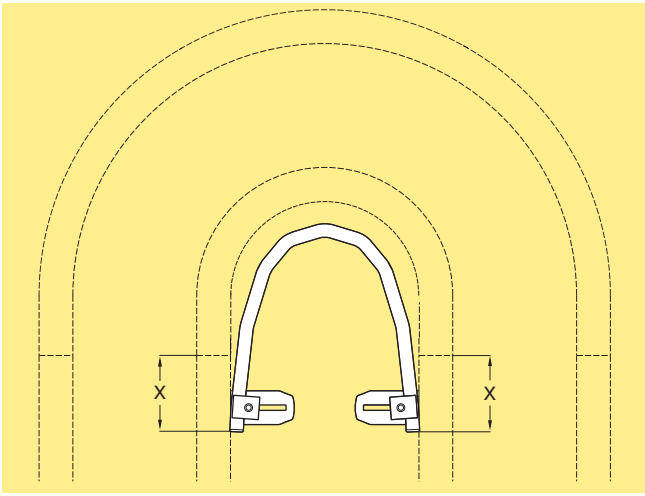
Inner guide rail for 90° bend



Inner guide rail for 90° bend	
For PW×PL=240×240, X=140	**5119439**
For PW×PL=240×320, X=142	**5119500**
For PW×PL=320×240, X=140	**5119439**
For PW×PL=320×320, X=143	**5119502**
For PW×PL=320×400, X=203	**5119504**
For PW×PL=400×320, X=147	**5119502**
For PW×PL=400×400, X=217	**5123412**
For PW×PL=400×480, X=242	**5119506**
For PW×PL=400×640, X=392	**5119508**
For PW×PL=480×400, X=217	**5123412**
For PW×PL=480×480, X=203	**5119504**
For PW×PL=480×640, X=428	**5123413**
For PW×PL=640×400, X=143	**5119502**
For PW×PL=640×480, X=217	**5123412**
For PW×PL=640×640, X=350	**5119510**
Attachment kit included.	

For outer Plain bend use Slide rail type B See “Slide rails” on page 351.

Inner guide rail for 180° bend



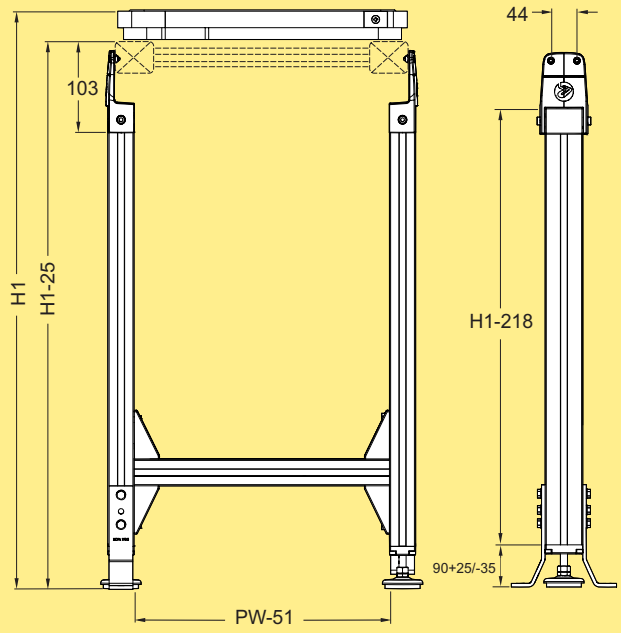
Inner guide rail for 180° bend	
For PW×PL=240×240, X=140	**5119499**
For PW×PL=240×320, X=142	**5119501**
For PW×PL=320×240, X=140	**5119499**
For PW×PL=320×320, X=143	**5119503**
For PW×PL=320×400, X=203	**5119505**
For PW×PL=400×320, X=147	**5119503**
For PW×PL=400×400, X=217	**5123414**
For PW×PL=400×480, X=242	**5119507**
For PW×PL=400×640, X=392	**5119509**
For PW×PL=480×400, X=217	**5123414**
For PW×PL=480×480, X=203	**5119505**
For PW×PL=480×640, X=428	**5123415**
For PW×PL=640×400, X=143	**5119503**
For PW×PL=640×480, X=217	**5123414**
For PW×PL=640×640, X=350	**5119511**
Attachment kit included.	

For outer Plain bend use Slide rail type B See “Slide rails” on page 351.

 © FlexLink 2021

Support modules S01A/S02A/S03A/S04

Support module for single conveyor module

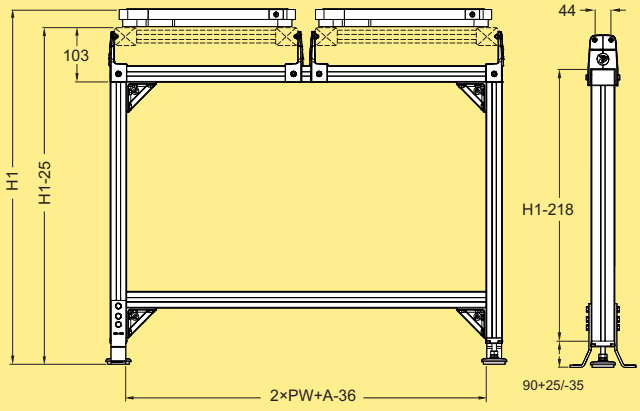


Support module, configured item* **XTUF S01A**

Including Beam support brackets 5052621and Floor attachment brackets XCFA 170 S.

** Use online configurator when ordering*

Support module for two parallel conveyor modules

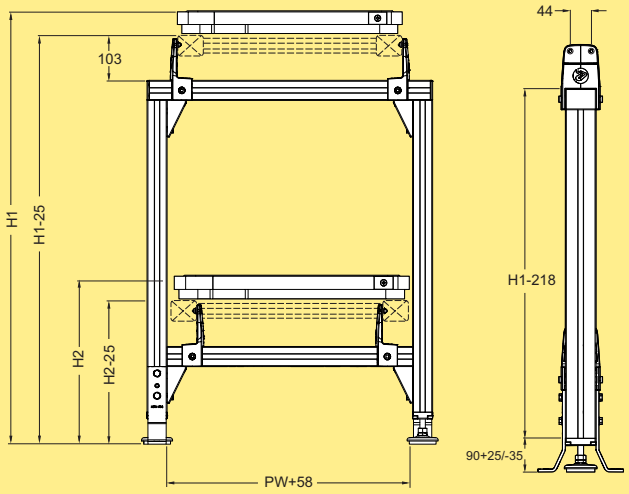


Support module, configured item* **XTUF S02A**

Including Beam support brackets 5052621and Floor attachment brackets XCFA 170 S.

** Use online configurator when ordering*

Support module for conveyor modules at two levels

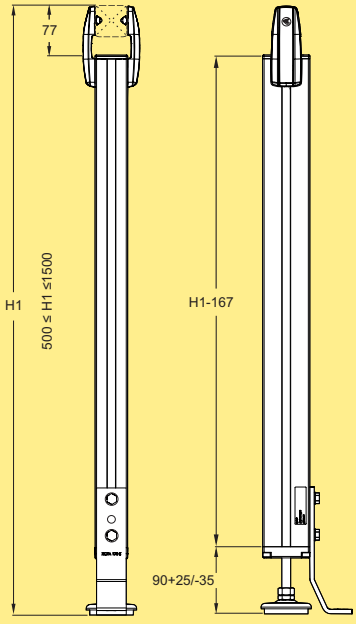


Support module, configured item* **XTUF S03A**

Including Beam support brackets 5052621and Floor attachment brackets XCFA 170 S.

** Use online configurator when ordering*

Support module for bends



Support module, configured item* **XTUF S04**

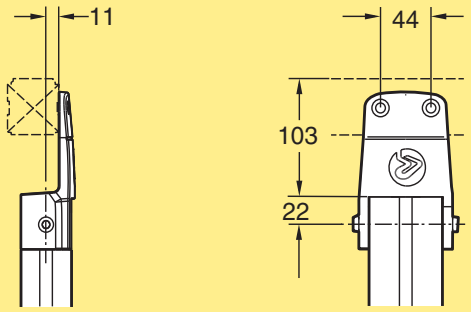
Including Beam support brackets XUCS 44 and Floor attachment brackets XCFA 170 S.

** Use online configurator when ordering*

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 364.

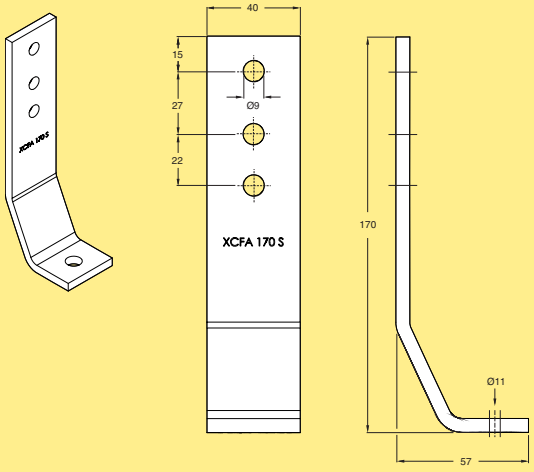
Beam support bracket for XTC



Beam support bracket, XTC **5052621**

Mounting: ISO 4762 M6x 10 St 8.8 (2), XFAN 6 (2), MC6S 8×14 (2), XCAN 8 (2)

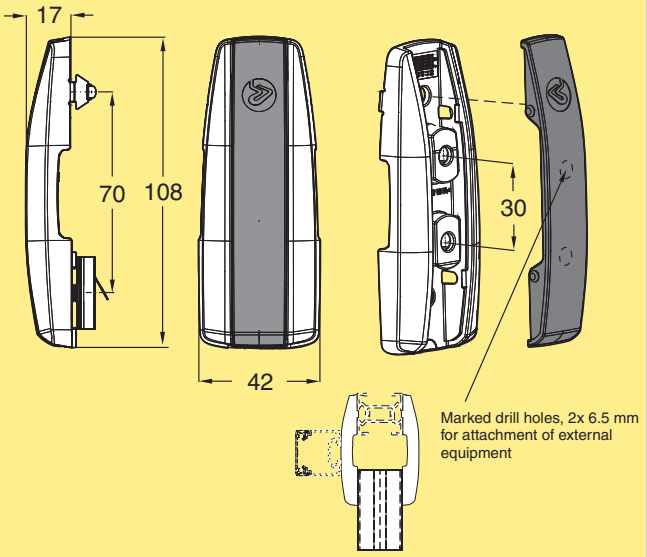
Floor attachment bracket



Floor attachment bracket
Stainless steel **XCFA 170 S**

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 **XUCS 44**

For 44 mm vertical support beam
Including mounting hardware.

 © FlexLink 2021

Conveyor System XT

Conveyor – introduction

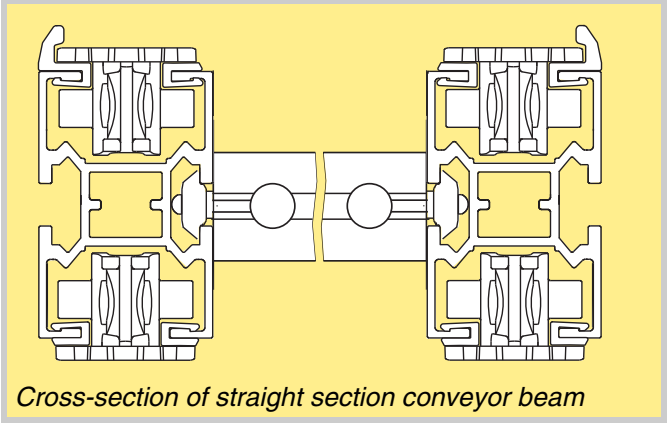
The XT twin track conveyor system is designed to handle longer transportation distances. Pallet functions, such as stops, locating stations and transfers will be used to connect other equipment and subordinated satellite stations to the XT conveyor.

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 rigidness, smooth running and low noise. The T-slots ensure easy but rigid attachment of accessories such as guide rail brackets.



Cross-section of straight section conveyor beam

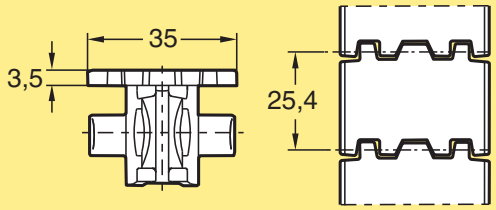
Examples of application areas

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

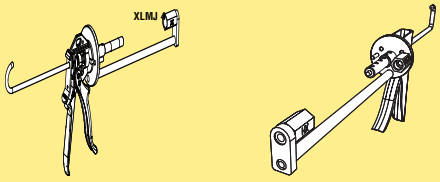


Plain chain, length 5 m
Pitch 25,4 mm

Standard chain	**XTTP 5**
Standard link kit **	**5056659**
Conductive chain	**XTTP 5 EC**
Conductive link kit **	**5056660**

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

Pin insertion tool for chain



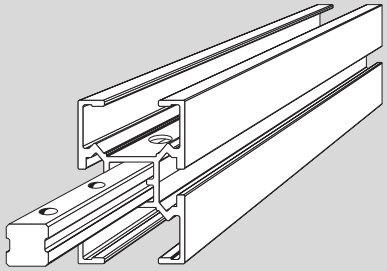
Pin insertion tool

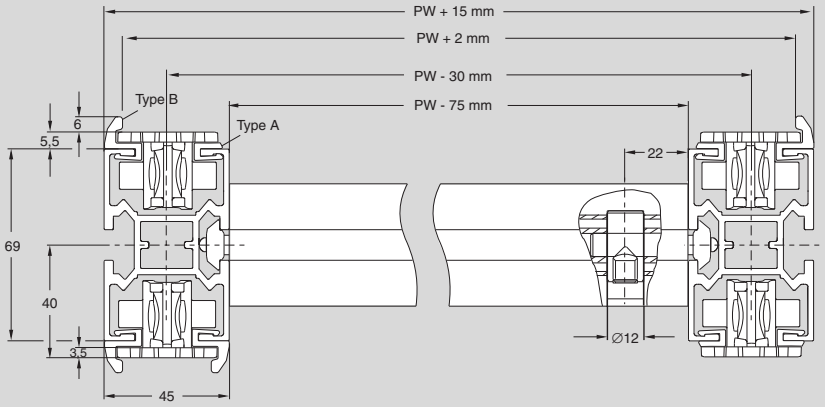
XS-X65-XT	**XLMJ 4**
XS-X65-XT, PRO version*	**XLMJ 4 P**

For FlexLink´s XT chains XTTP 5, XTTP 5 EC.
**This product is recommended for frequent users.*

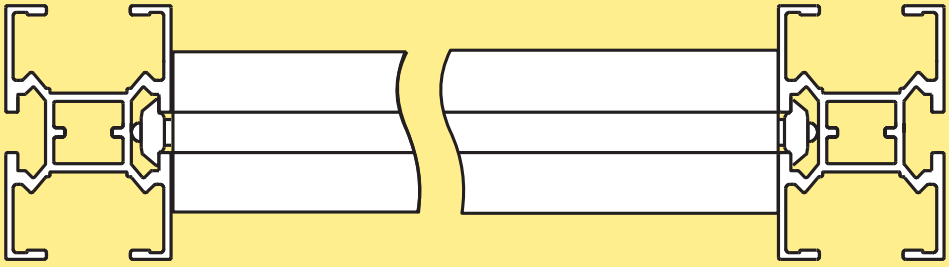
© FlexLink 2021

XT

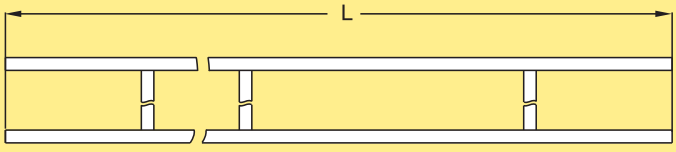




Conveyor beam section



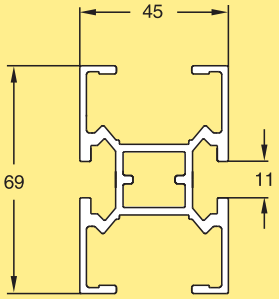
Qty of cross section beams:	
170-1000 mm	1 pc
1001-2000 mm	2 pcs
2001-3000 mm	3 pcs



Beam section (assembled) configured item* PW= 240, 320, 400, 480, 640 L=Length to order (170–3000 mm) W= Width to order (210–610 mm)	**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**

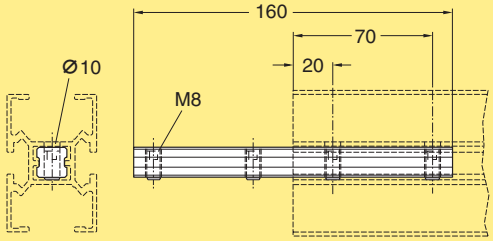
** Use online configurator when ordering*

Conveyor beam



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

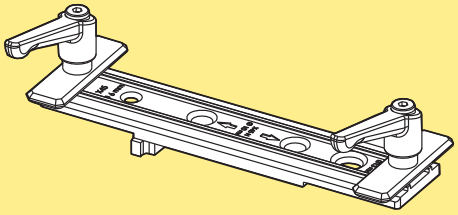
Connecting strip kit



Connecting strip kit
Steel, electro-zinc-plated **5053503**

Kit with two connecting strips. Including M8 set screws. Not for XTC beam

Drill fixture for conveyor beam

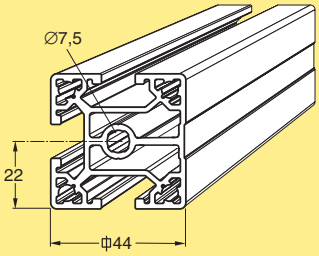


Drill fixture for conveyor beam **5123264**

To be used when drilling a 10 mm hole for Connecting strip kit 5053503.

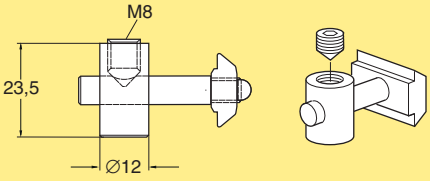
Tools and accessories, 44×44 beam

Beam 44 mm × 44 mm with three T-slots



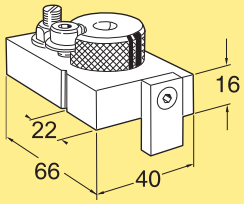
Beam 44 mm × 44 mm with three T-slots
Aluminium, anodized
Length 3000 mm (3030 ±5 mm) **XCBL 3×44 T3**
Length to order (30- 3000 mm) **XCBL L×44 T3**

T-slot connector for 44×44 beam



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

Drill fixture for T-slot connector



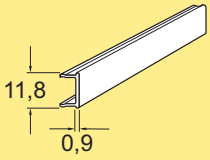
Drill fixture Ø10/18,25 mm **XCAD 10/18**

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.

 © FlexLink 2021

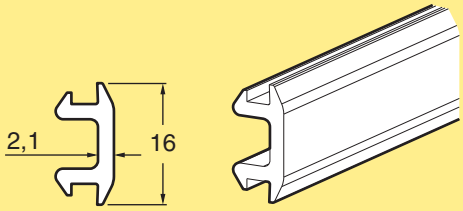
Cover strip, aluminium



Cover strip
Length 2 m
Aluminium, anodized **XCAC 2**

Note! Can't be used with bends

Cover strip for T-slot, PVC



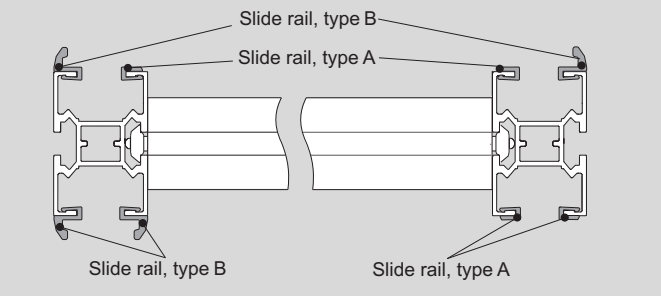
Cover strip for T-slot
Length 25 m
Grey PVC **XCAC 25 P**

Slide rails

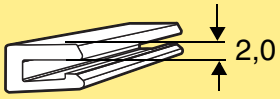
Slide rail configuration

The following figures show the slide rail options applicable to XT conveyors.

Pallet side guides

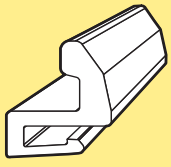


Slide rail, type A



Slide rail (A)
Length 25 m
PA-PE (Grey) **XTCR 25 H**
UHMW-PE(White) **XTCR 25 U**
UHMW-PE + carbon (conductive) (Black) **XTCR 25 E**

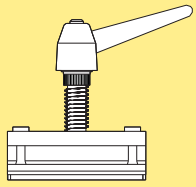
Slide/guide rail, type B



Slide/guide rail (B)
Length 3 m
PA-PE (Grey) **XTCR 3 HB**
UHMW-PE (White) **XTCR 3 UB**
UHMW-PE + carbon (conductive) (Black) **XTCR 3 EB**

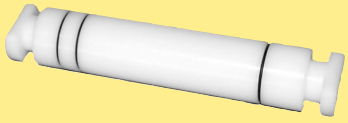
Slide rail tools

Drill fixture for slide rail



Drill fixture for slide rail **3923584**

Mounting tool for slide rail

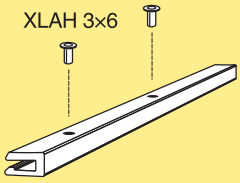


Mounting tool for slide rail **XTMR 160 A**

Rivet tool

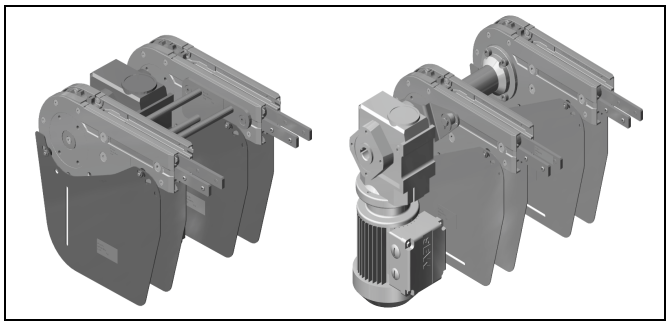
Rivet tool **3923563**

Aluminium rivets 3 mm



Aluminium rivets 3 mm **XLAH 3×6**

Note. Contains 250 pcs.

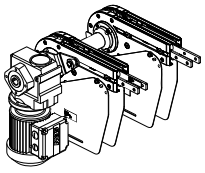
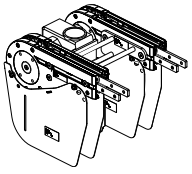


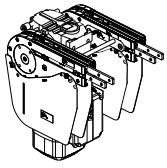
End drive unit

End drive unit types

The XT system includes direct driven units without slip clutch and motors with fixed speed (**F**).

End drive units XT

Left and right drive unit, no slip clutch	Mid drive unit
	
F	**F**

Mid drive unit, heavy

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.

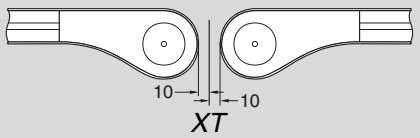
- Connecting strips are included with the drive units.
- Slide rail must be ordered separately.

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

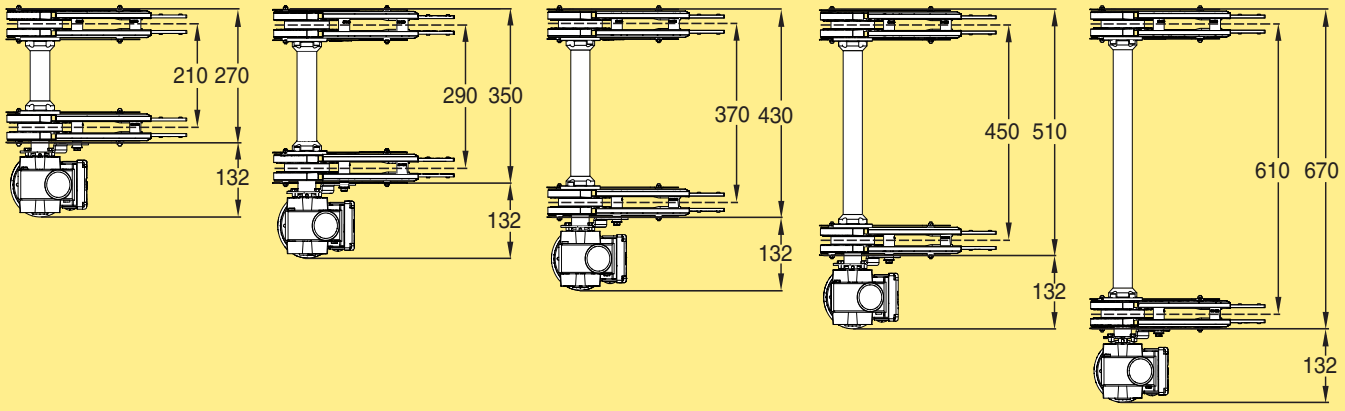
When two conveyors meet end to end, they must be separated by a minimum clearance distance, see the figure below.

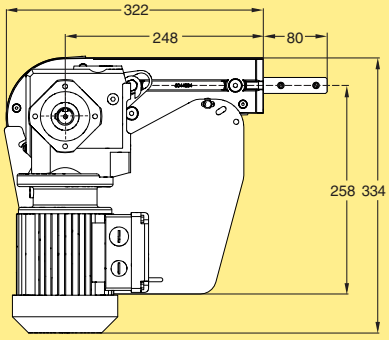


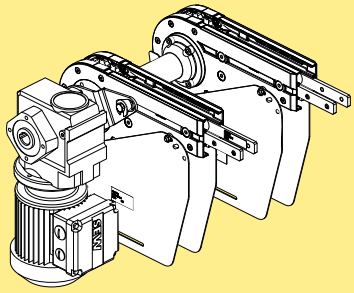
XT

 © FlexLink 2021

End drive unit L/R



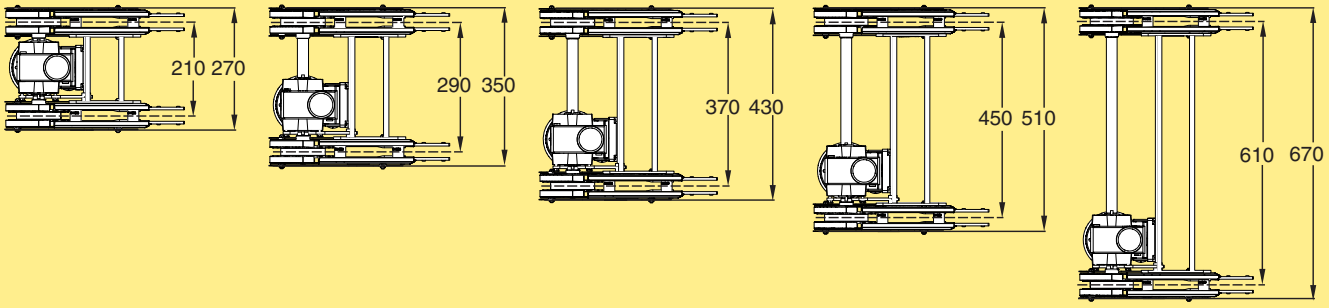


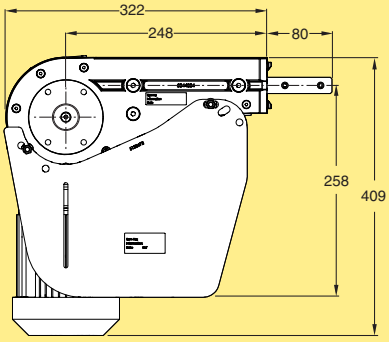


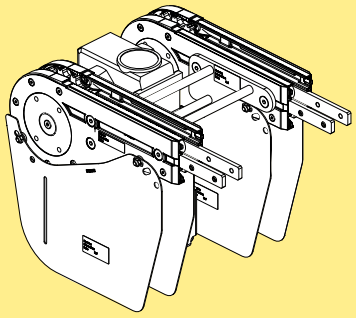
End drive unit, configured item* Fixed speed: 5- 10- 15- 20 m/min* Pallet width 240, 320, 400, 480, 640 mm	**XTEB DD**
End drive unit, without motor Pallet width 240 mm Transmission on left side Transmission on right side	**XTEB 0 LNPD210** **XTEB 0 RNPD210**
End drive unit, without motor Pallet width 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 unit





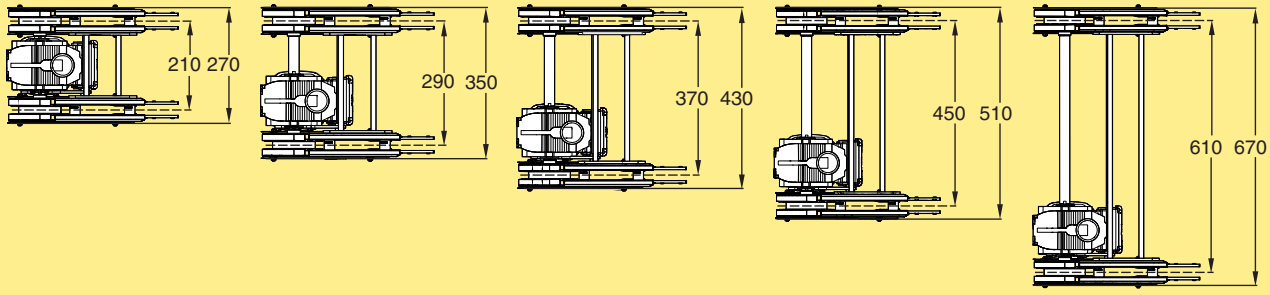


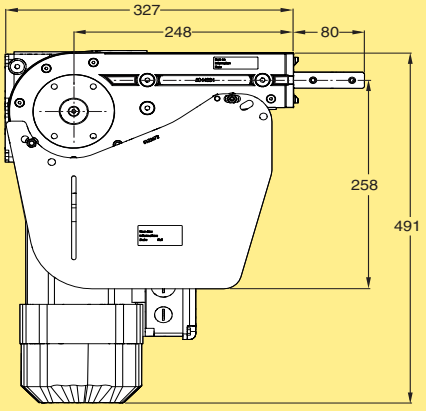
End drive unit, configured item* Fixed speed: 5- 10- 15- 20 m/min* Pallet width 240, 320, 400, 480, 640 mm	**XTEB DD**
End drive unit, without motor Pallet width 240 mm	**XTEB 0 MNPD210**
End drive unit, without motor Pallet width 320 mm	**XTEB 0 MNPD290**
End drive unit, without motor Pallet width 400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

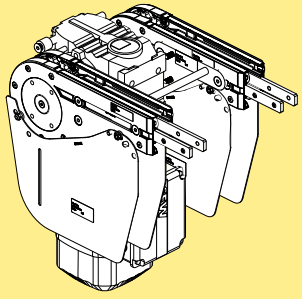
** Use online configurator when ordering*
Effective track length: 2x0,80 m

 © FlexLink 2021

End drive unit





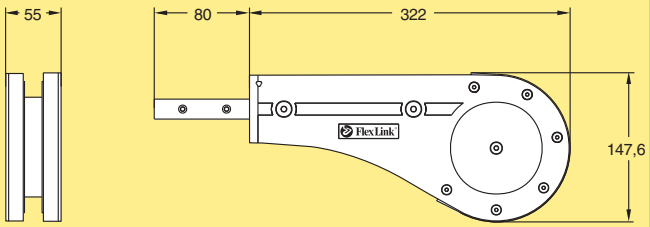


End drive unit, configured item* Fixed speed: 5- 10- 15- 20 m/min* Pallet width 240, 320, 400, 480, 640 mm	**XTEB DD**
End drive unit, without motor Pallet width 240 mm	**XTEB 0 HMNPD210**
End drive unit, without motor Pallet width 320 mm	**XTEB 0 HMNPD290**
End drive unit, without motor Pallet width 400 mm	**XTEB 0 HMNPD370**
End drive unit, without motor Pallet width 480 mm	**XTEB 0 HMNPD450**
End drive unit, without motor 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

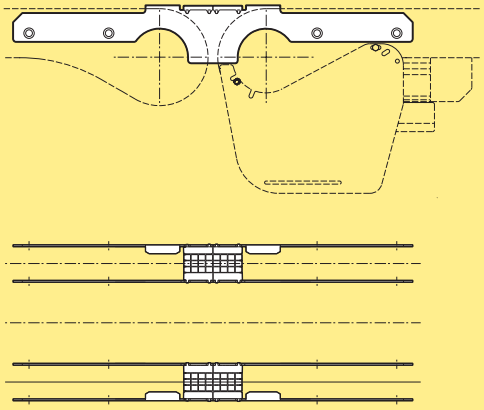


Idler end unit (single)
Length 320 mm **XTEJ 320**

Two idler units must be ordered for a conveyor with return chain.
Connecting strips are included.

Connecting kits

Connecting kit, end-to-end

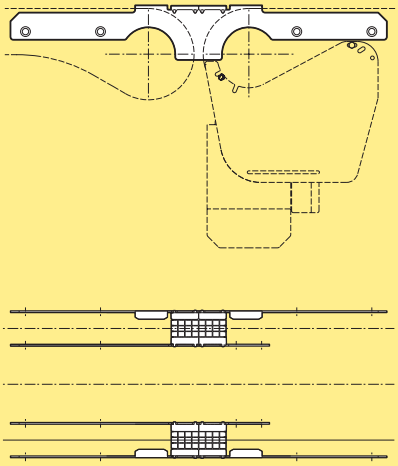


Connecting kit, one pair **5049594**

For in-line transfer from drive unit with side-mounted motor (left/right).

XT to XT (Not for use with XTC)

Connecting kit, end-to-end



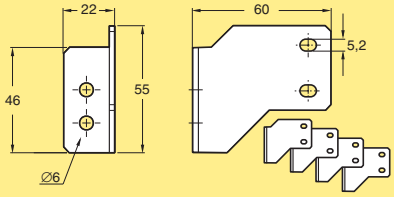
Connecting kit, one pair **5050564**

For in-line transfer from drive unit with mid-mounted motor.

XT to XT (Not for use with XTC)

 © FlexLink 2021

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



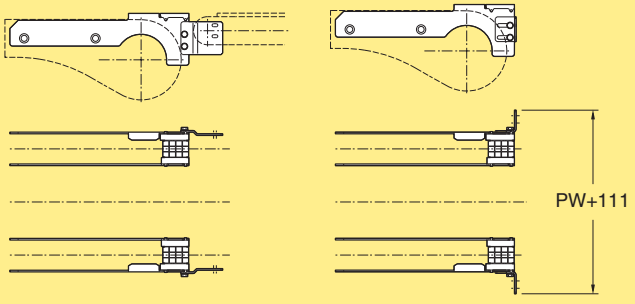
Connecting kit (four brackets) **5050034**

Including mounting hardware.

XT to XTC
XTC to XTC

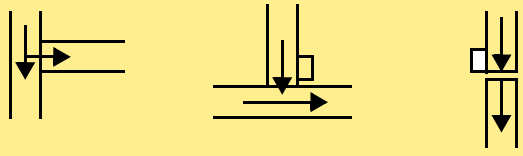
XTC to XT
XTC to XTC

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..

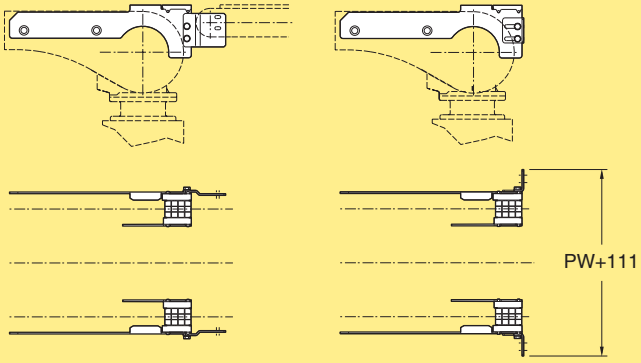


XT to XT
XTC to XT

XT to XT
XT to XTC

XT to XTC
XTC to XT

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



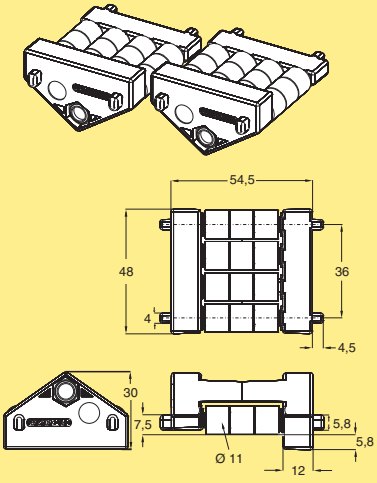
Connecting kit, one pair **5053201**

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

XT to XTC

XT to XT
XT to XTC

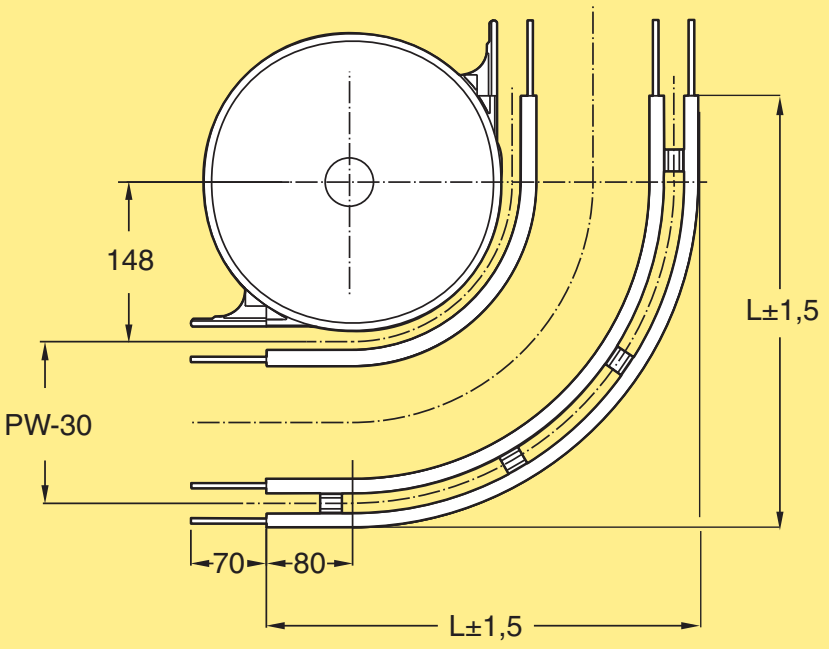
Roller bridge, (pair) spare parts



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 bend XT and Plain bends, 90°



Item no	Radius (R)	Length (L)
XTBP 90R150	148 ±5 mm	213 mm
XTBP 90R358	358 ±5 mm	423 mm
XTBP 90R438	438 ±5 mm	503 mm
XTBP 90R518	518 ±5 mm	583 mm
XTBP 90R598	598 ±5 mm	663 mm
XTBP 90R758	758 ±5 mm	823 mm

Wheel bend, 90°

Effective track lengths: R148: 0,35 m, PW 240, 320, 400, 480, 640	**XTBH 90R150**

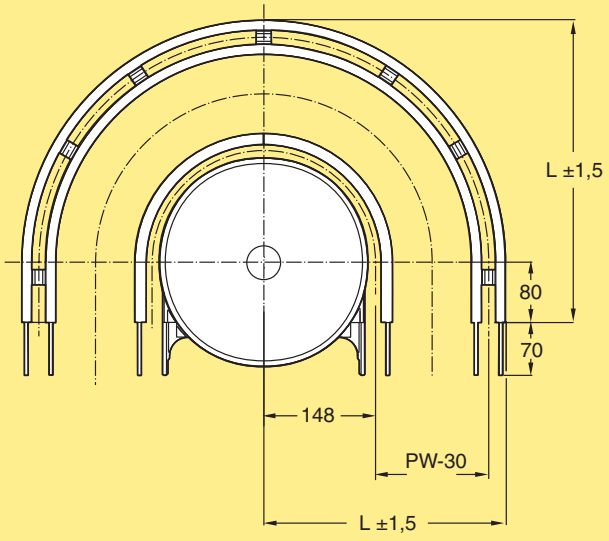
Plain bend, 90°, outer curves

Effective track lengths: R358: 0,65 m, PW 240	**XTBP 90R358**
Effective track lengths: R438: 0,8 m, PW 320	**XTBP 90R438**
Effective track lengths: R518: 0,9 m, PW 400	**XTBP 90R518**
Effective track lengths: R598: 1,0 m, PW 480	**XTBP 90R598**
Effective track lengths: R758: 1,3 m, PW 640	**XTBP 90R758**

Connecting strips are included.

 © FlexLink 2021

Wheel bend XT, and Plain bends 180°



Item no	Radius (R)	Length (L)
XTBP 180R150	148 ±5 mm	173 mm
XTBP 180R358	358 ±5 mm	383 mm
XTBP 180R438	438 ±5 mm	463 mm
XTBP 180R518	518 ±5 mm	543 mm
XTBP 180R598	598 ±5 mm	623 mm
XTBP 180R758	758 ±5 mm	783 mm

Wheel bend, 180°

Effective track lengths: R148: 0,43 m, PW 240, 320, 400, 480, 640 **XTBH 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**

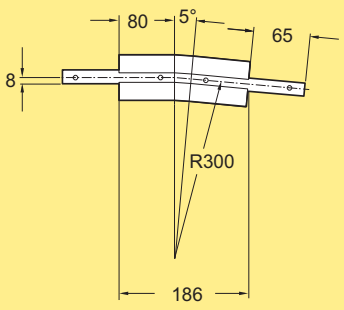
Effective track lengths: R598: 2,0 m, PW 480 **XTBP 180R598**

Effective track lengths: R758: 2,5 m, PW 640 **XTBP 180R758**

Connecting strips are included.

Vertical bend

Vertical bend, 5°

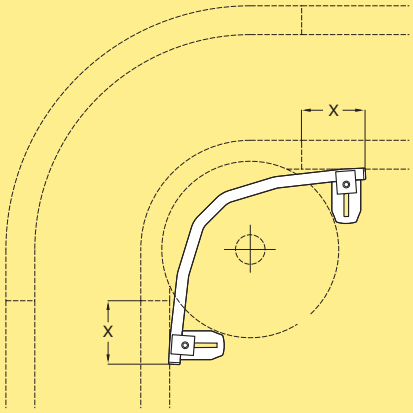


Vertical bend, 5° **XTBV 5R300**

Effective track lengths: 0,19 m

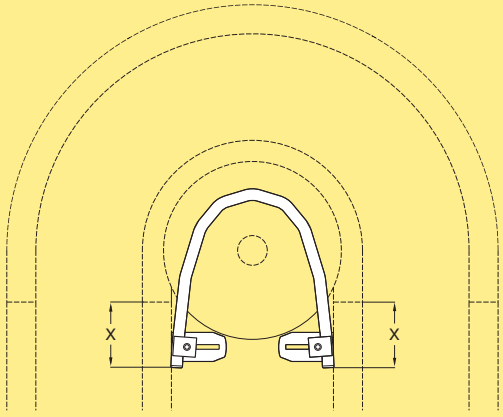
Connecting strips are included.

Inner guide rail for 90° bend



Inner guide rail for 90° bend	
For PW×PL=240×240, X=100	**5119439**
For PW×PL=240×320, X=102	**5119500**
For PW×PL=320×240, X=100	**5119439**
For PW×PL=320×320, X=103	**5119502**
For PW×PL=320×400, X=263	**5119504**
For PW×PL=400×320, X=107	**5119502**
For PW×PL=400×400, X=177	**5123412**
For PW×PL=400×480, X=202	**5119506**
For PW×PL=400×640, X=352	**5119508**
For PW×PL=480×400, X=177	**5123412**
For PW×PL=480×480, X=163	**5119504**
For PW×PL=480×640, X=388	**5123413**
For PW×PL=640×400, X=103	**5119502**
For PW×PL=640×480, X=177	**5123412**
For PW×PL=640×640, X=310	**5119510**
Attachment kit included.	

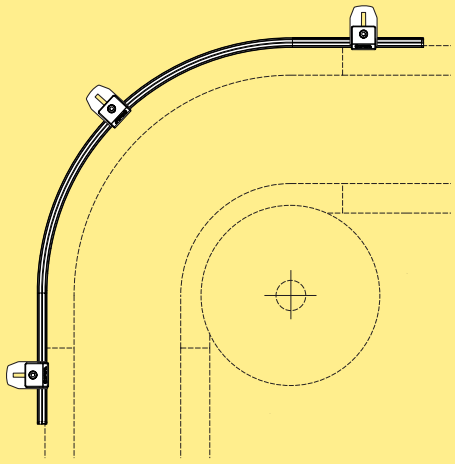
Inner guide rail for 180° bend



Inner guide rail for 180° bend	
For PW×PL=240×240, X=100	**5119499**
For PW×PL=240×320, X=102	**5119501**
For PW×PL=320×240, X=100	**5119499**
For PW×PL=320×320, X=103	**5119503**
For PW×PL=320×400, X=263	**5119505**
For PW×PL=400×320, X=107	**5119503**
For PW×PL=400×400, X=177	**5123414**
For PW×PL=400×480, X=202	**5119507**
For PW×PL=400×640, X=352	**5119509**
For PW×PL=480×400, X=177	**5123414**
For PW×PL=480×480, X=163	**5119505**
For PW×PL=480×640, X=388	**5123415**
For PW×PL=640×400, X=103	**5119503**
For PW×PL=640×480, X=177	**5123414**
For PW×PL=640×640, X=310	**5119511**
Attachment kit included.	

 © FlexLink 2021

Outer guide rail kit for 90° bend

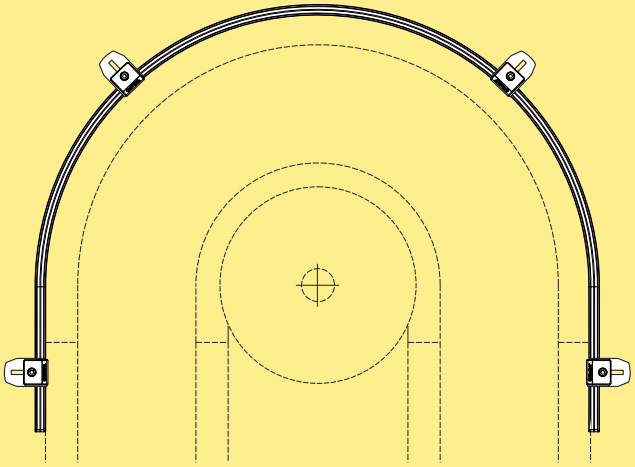


Outer guide rail for 90° bend

For PW 240 mm, R=387	**5055595**
For PW 320 mm, R=467	**5055597**
For PW 400 mm, R=547	**5055599**
For PW 480 mm, R=627	**5055586**
For PW 640 mm, R=787	**5055593**

Attachment kit included.

Outer guide rail kit for 180° bend



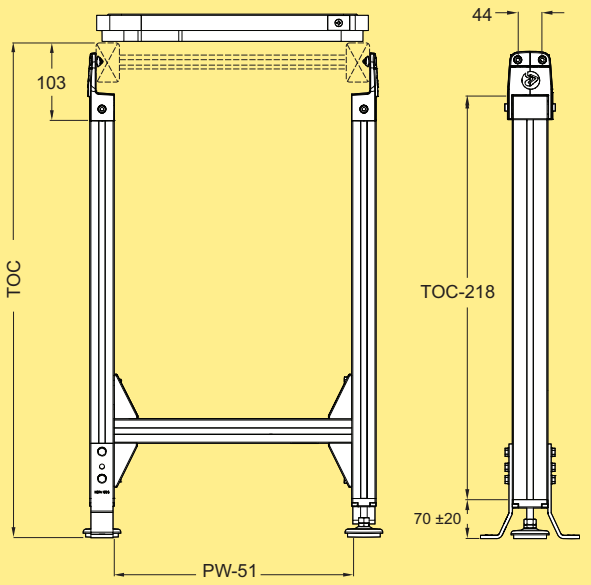
Outer guide rail for 180° bend

For PW 240 mm, R=387	**5055596**
For PW 320 mm, R=467	**5055598**
For PW 400 mm, R=547	**5055500**
For PW 480 mm, R=627	**5055592**
For PW 640 mm, R=787	**5055594**

Attachment kit included.

Support modules S01A/S02A/S03A/S04

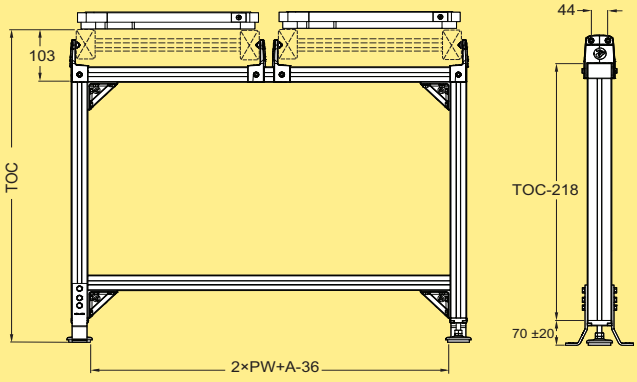
Support module for single conveyor module



Support module **XTUF S01A**

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

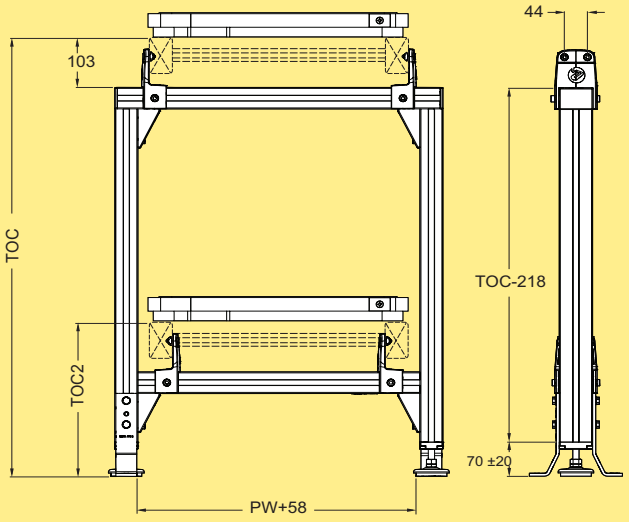
Support module for two parallel conveyor modules



Support module **XTUF S02A**

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

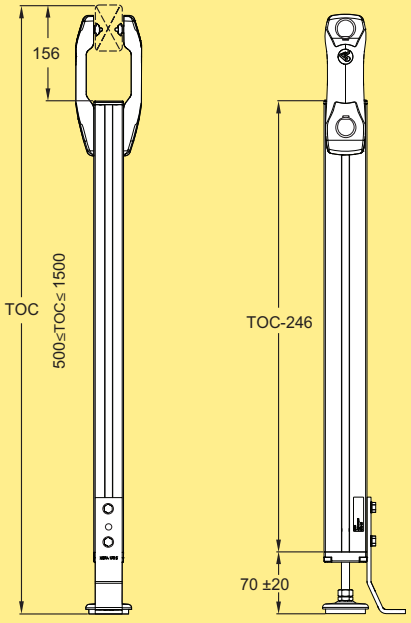
Support module for conveyor modules at two levels



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**

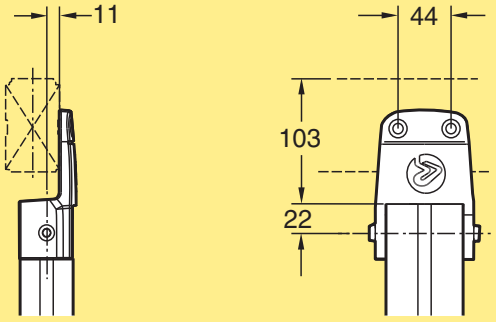
Including Beam support brackets XLCS 64 and Floor attachment brackets XCFA 170 S.

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 381.

 © FlexLink 2021

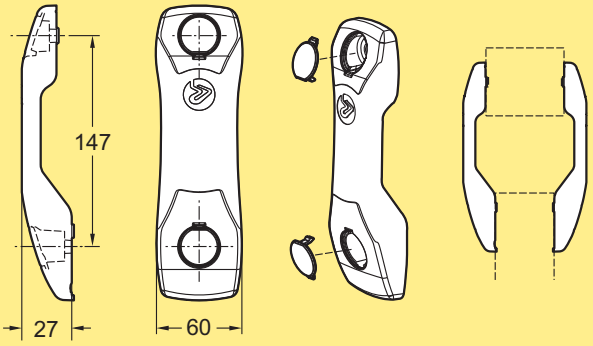
Beam support bracket for XT



Beam support bracket, XT **5052899**

Mounting: MC6S 8×14 (4), XCAN 8 (4)

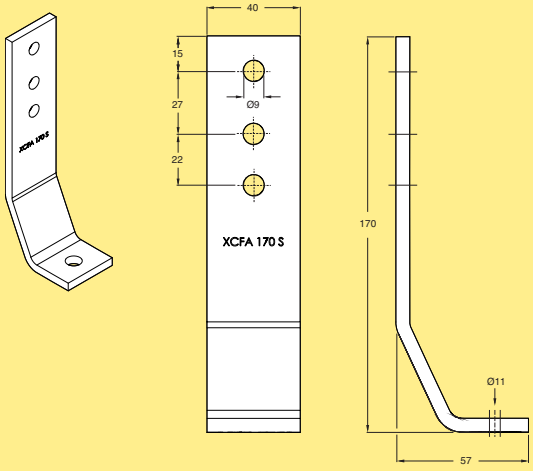
Beam support bracket, diecast aluminium, for 64 mm vertical support beam



Beam support bracket for X65,
Type CS
Aluminium, diecast **XLCS 64 C**

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 X65 X-bend, order M6S 8×16 screw instead of the XLAT 17 T-slot screw.
Incl. Cap 5110134 (2)

Floor attachment bracket

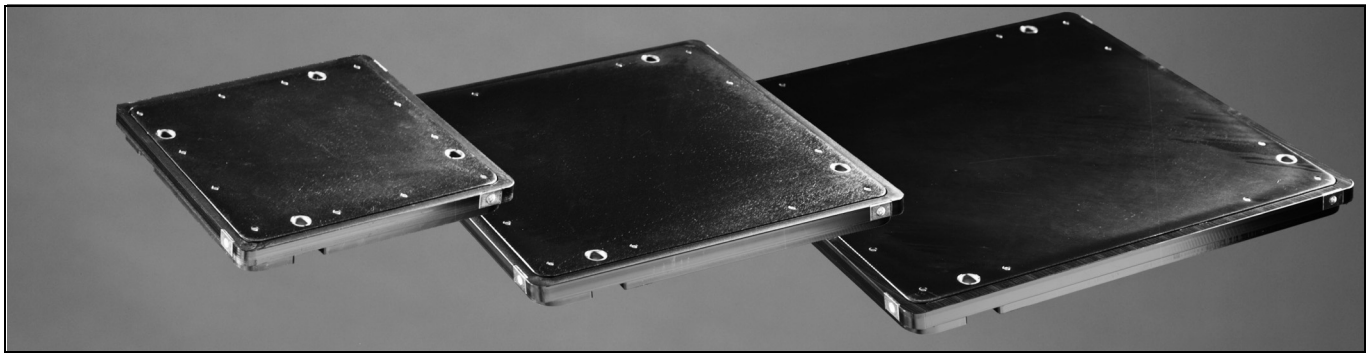


Floor attachment bracket
Stainless steel **XCFA 170 S**

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

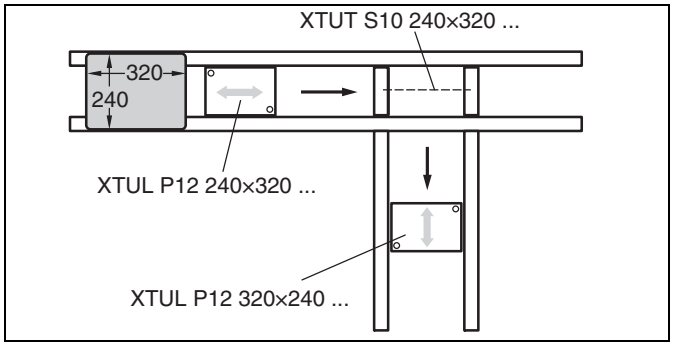
Ten pallet sizes are available:

- 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.



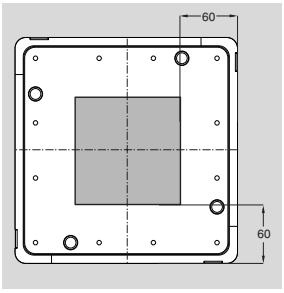
Side view

Top view

Bottom view

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.

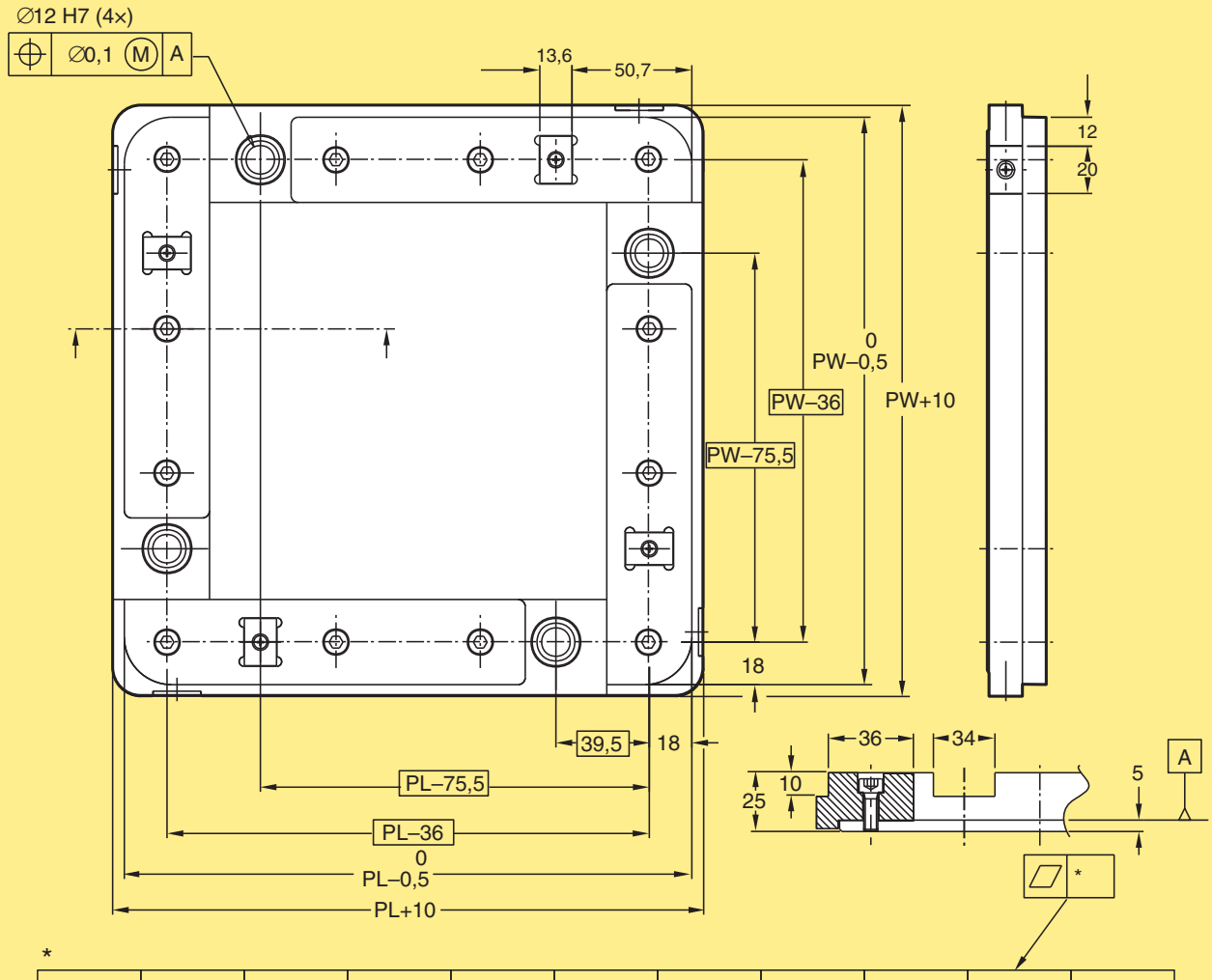
Size (PW × PL)	Pallet weight (kg)	Max load on pallet (kg)
240 × 240 mm	2,6	17
240 × 320 mm	3,5	22
320 × 240 mm	3,5	16
320 × 320 mm	4,4	22
320 × 400 mm	5,5	24
400 × 320 mm	5,5	20
400 × 400 mm	6,8	23
400 × 480 mm	8,2	22
400 × 640 mm	10,8	19
480 × 400 mm	8,2	22
480 × 480 mm	9,8	20
480 × 640 mm	13,0	17
640 × 400 mm	10,8	19
640 × 480 mm	13,0	17
640 × 640 mm	17,4	13

Material specifications

Pallet plate ..... 5 mm ±0,1 steel plate
Frame..... Electrically conductive UHMW-PE

 © FlexLink 2021

Pallet PW×PL



*

PW×PL	240×240	240×320	320×320	320×400	400×400	400×480	400×640	480×480	480×640	640×640
▱	0,3	0,5	0,5	0,6	0,6	0,8	0,8	0,8	1,0	1,0

Pallet PW × PL mm **XTPP PW×PL**

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

Frame section kit

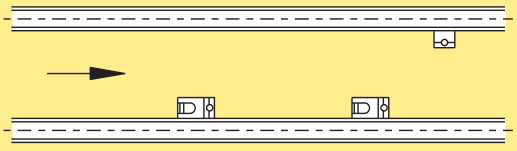
Frame section kit 240 mm	**5056945**
Frame section kit 320 mm	**5056950**
Frame section kit 400 mm	**5056938**
Frame section kit 480 mm	**5056940**
Frame section kit 640 mm	**5056952**

Each kit contains two frame pieces, four bushings and four initiation plates with screws. The frames and bushings are suitable for screws type MC6S 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.

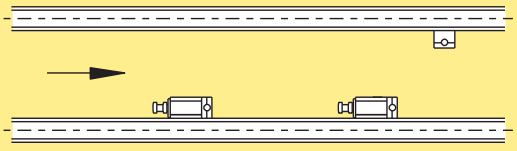
Bushing kit
Four bushings **5056944**

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.

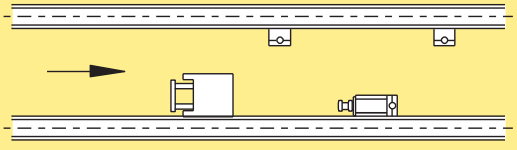
Stop function



D = D00



D = D01



D = D02

Stop function* **XTUS P11**

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 384 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

Part list for XTUS P11

Stop function module P11	D00=No damping Item number	Name	Qty
XTUS P11	(5055686)	Part list for XTUS P11	1
	- XTPB V002	Sensor bracket (see Page 389)	1
	- XTPB V001	Sensor bracket (see Page 389)	2
	- XTPD U200	Pallet stop, undamped (see Page 385)	2
	5055955	Side support (see Page 387)	1

Part list for XTUS P11

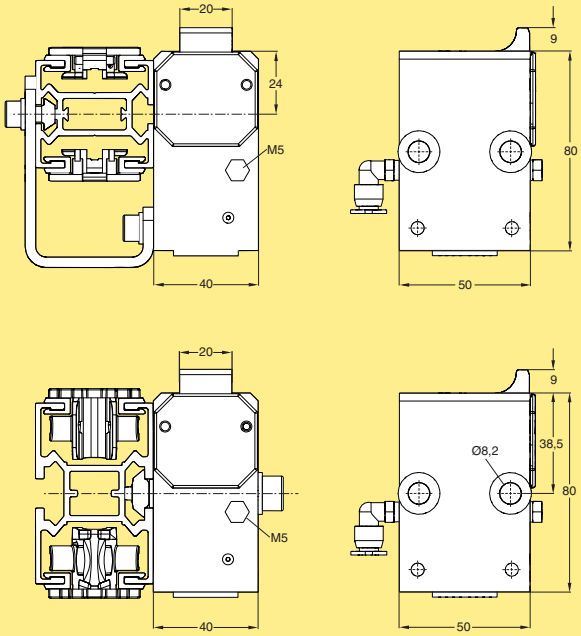
Stop function module P11	D01=Damping Item number	Name	Qty
XTUS P11	(5055923)	Part list for XTUS P11	1
	- XTPB V002	Sensor bracket (see Page 389)	1
	- XTPB V001	Sensor bracket (see Page 389)	2
	- XTPD D35	Pallet stop, damped (see Page 386)	2
	5055955	Side support (see Page 387)	1

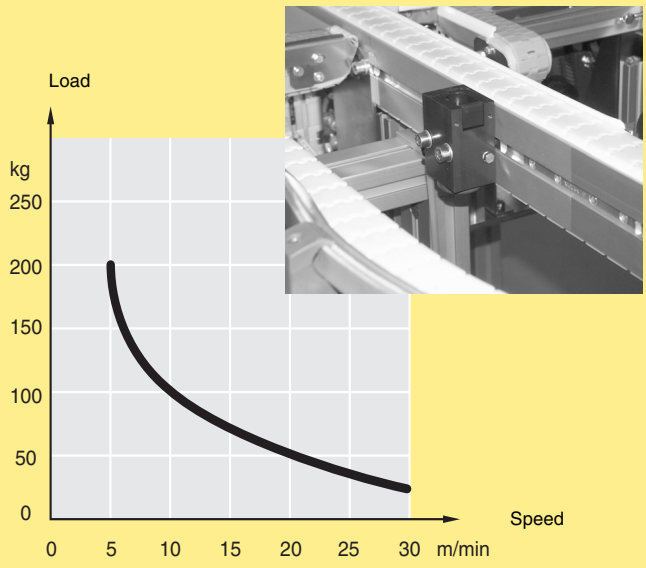
Part list for XTUS P11

Stop function module P11	D02=Damping, 100 kg Item number	Name	Qty
XTUS P11	(5055924)	Part list for XTUS P11	1
	- XTPB V002	Sensor bracket (see Page 389)	2
	- XTPD D35	Pallet stop, damped (see Page 386)	1
	- XTPB V001	Sensor bracket (see Page 389)	1
	- XTPD D100	Damped stop (see Page 386)	1
	5055955	Side support (see Page 387)	1

 © FlexLink 2021

Pallet stop, undamped





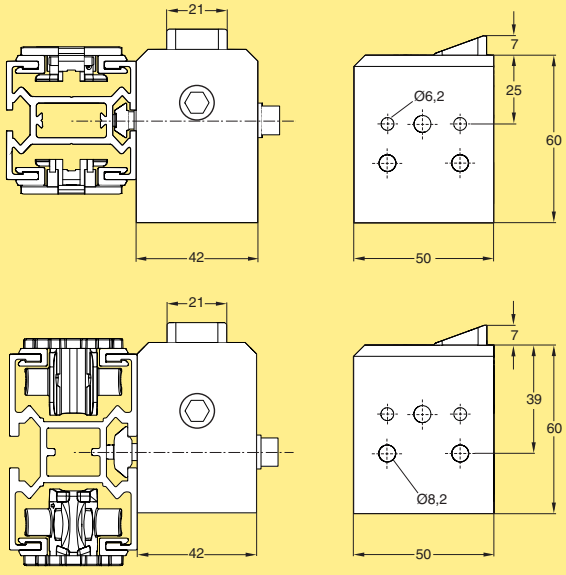
Maximum load vs. conveyor speed

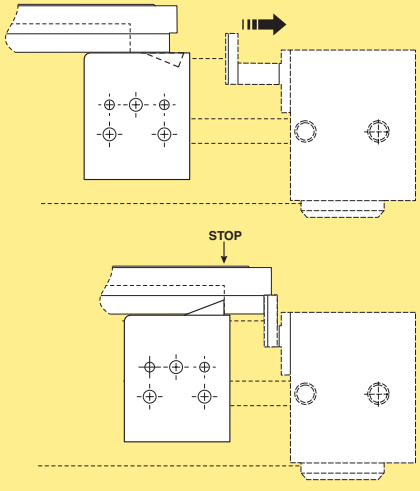
Pallet stop, undamped, 0–200 kg **XTPD U200**

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, 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





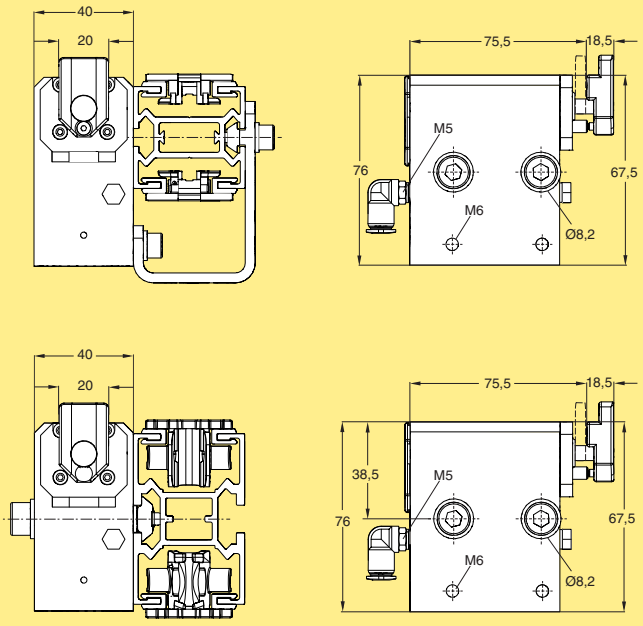
Stop XTPD UR prevents the pallet from sliding backwards.

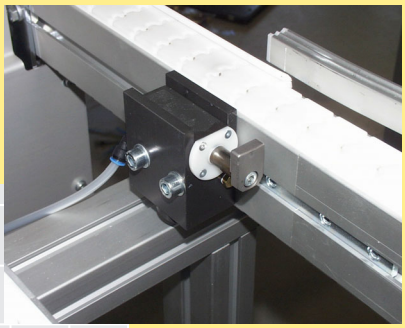
Pallet return stop, undamped **XTPD UR**

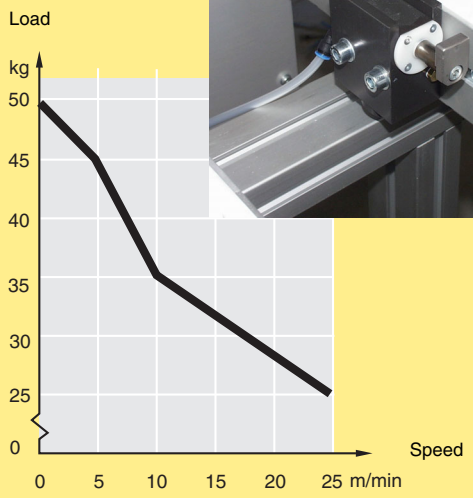
Used in combination with pallet stop devices XTPD U200, D35 or D100.

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

Pallet stop device, damped







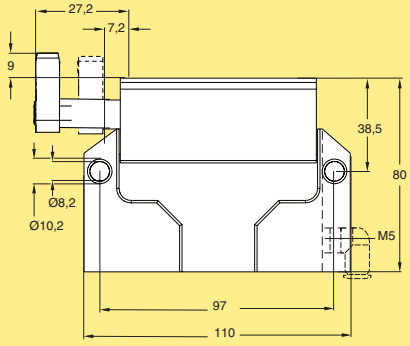
Maximum load vs. conveyor speed

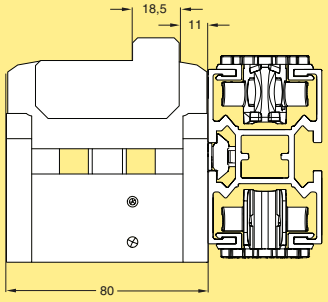
Damped stopper, 0–35 kg **XTPD D35**

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.

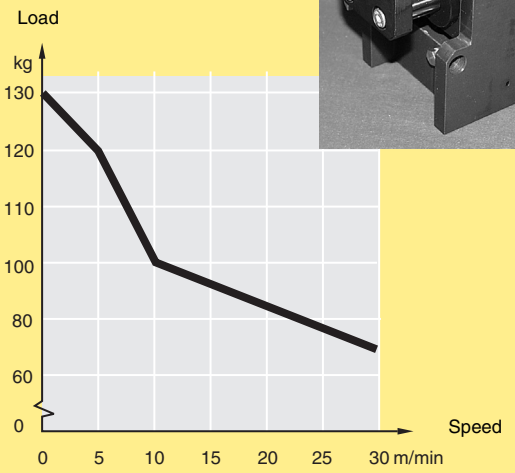
To reduce the noise level, throttle valves should be used (M5). These are not included. The diagram shows the maximum permissible weight of a group of pallets (product weight + pallet weight), which the stop device is capable of stopping, as a function of the conveyor speed.

Pallet stop device, damped





XT conveyor beam



Maximum load vs. conveyor speed

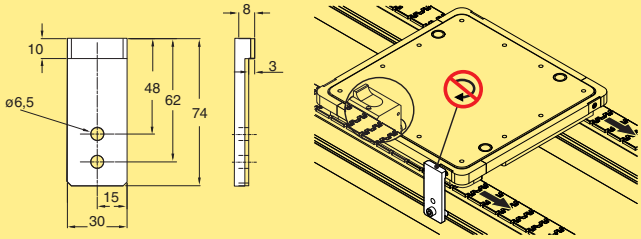
Damped stopper, 0–100 kg **XTPD D100**

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.

 © FlexLink 2021

Side support for pallet stop

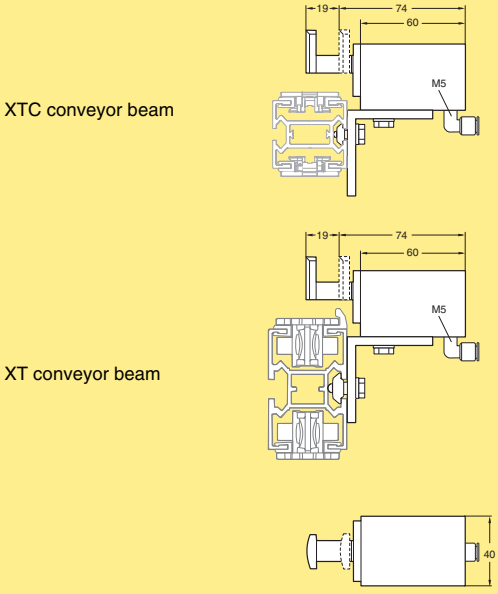


Side support **5055955**

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

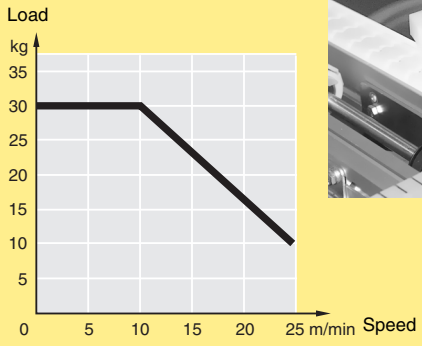


XTC conveyor beam

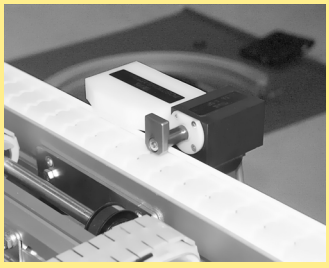
XT conveyor beam

Damper, 0–30 kg **XTPA CM35**

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.



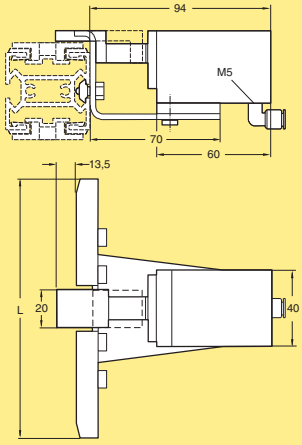
Maximum load vs. conveyor speed

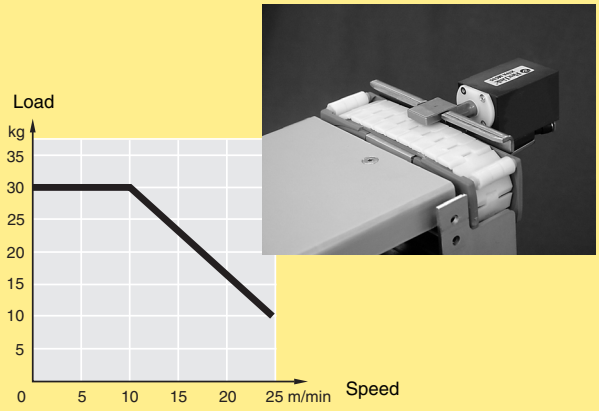


The diagram shows the maximum permissible weight of a group of pallets (product weight + pallet weight), which the damper is capable of stopping, as a function of the conveyor speed.
The pneumatic damper XTPA CM35 is used when pallets up to 30 kg have to be damped and transferred from a parallel conveyor 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, main to parallel

XTC conveyor beam





Maximum load vs. conveyor speed

Damper, 0–30 kg

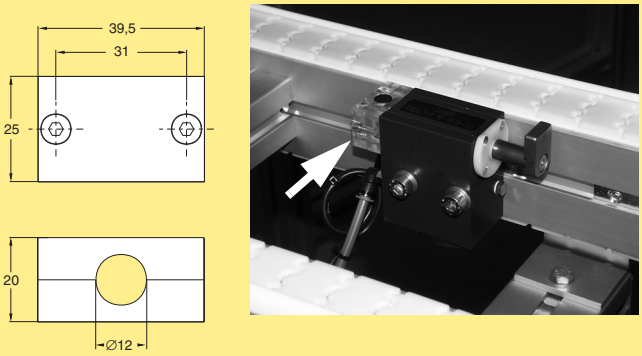
PW 240 mm, L=136	**XTPA MC35 240 A**
PW 320 mm, L=216	**XTPA MC35 320 A**
PW 400 mm, L=296	**XTPA MC35 400 A**
PW 480 mm, L=376	**XTPA MC35 480 A**
PW 640 mm, L=536	**XTPA MC35 640 A**

Mounting hardware is included in the delivery.

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.

 © FlexLink 2021

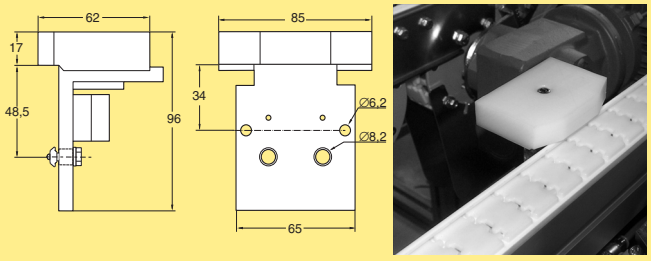
Sensor bracket Type V001



Vertical sensor bracket **XTPB V001**

The sensor bracket holds a ∅12 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.

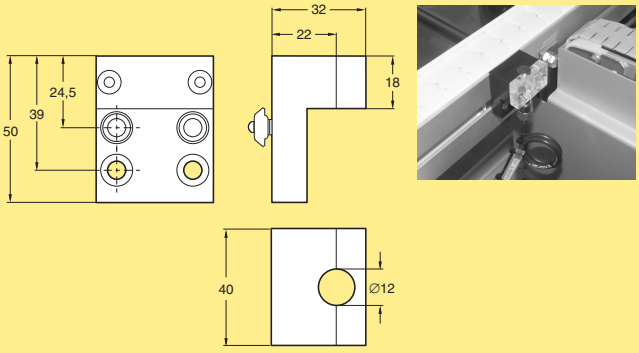
Sensor bracket Type V003



Vertical position sensor bracket **XTPB V003**

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 ∅12 mm proximity switch.
Mounting hardware is included in the delivery.
Proximity switch is not included.

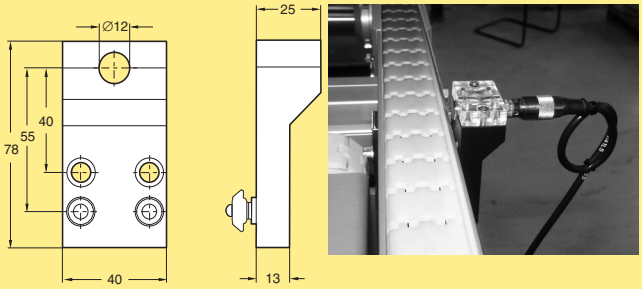
Sensor bracket Type V002



Vertical sensor bracket **XTPB V002**

The sensor bracket holds a ∅12 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 H001

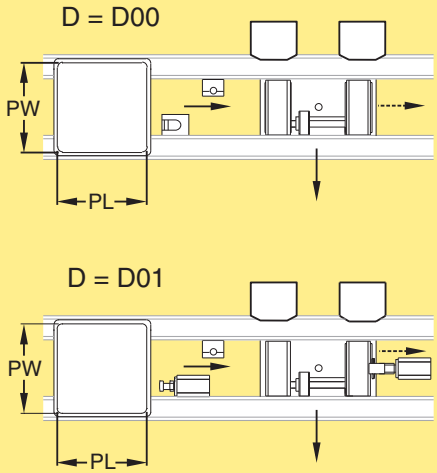


Horizontal sensor bracket **XTPB H001**

The sensor bracket holds a ∅12 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 (∅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



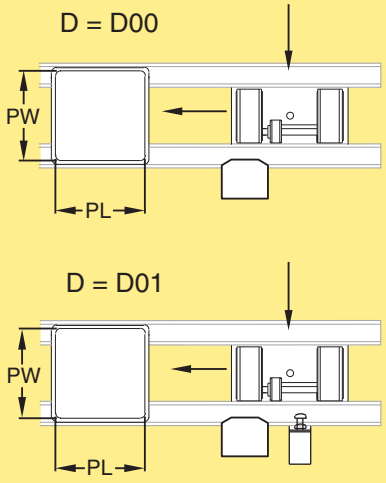
Transfer module S10* **XTUT S10 A**

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 391, parts included in module)

Transfer module S11 A

Transfer module S – cross to end main



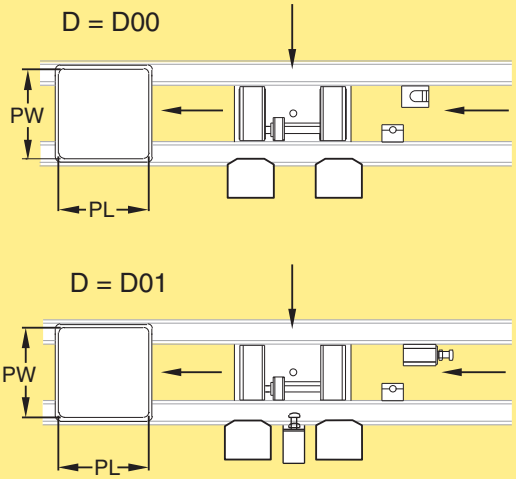
Transfer module S11* **XTUT S11 A**

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 391, parts included in module)

Transfer module S12 A

Transfer module S – cross to mid main



Transfer module S12* **XTUT S12 A**

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 391, 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.

 © FlexLink 2021

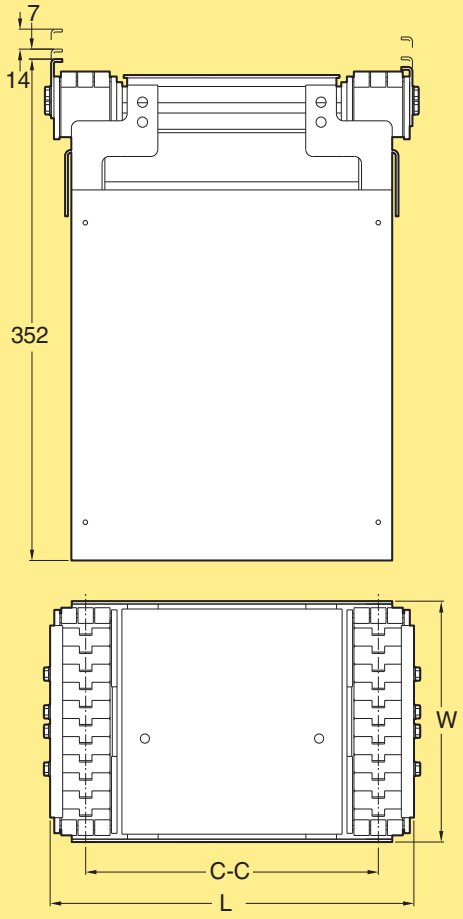
Part list for XTUT S10 A, XTUT S11 A and XTUT S12 A

D00=No Damping				D01=Damping		
Item number	**Name**	**Qty**	**Transfer modules**	**Item number**	**Name**	**Qty**
XTPT PWxPL	Pneumatic transfer Type M1 (see Page 392)	1	**XTUT S10 A TYPE M1**	XTPT PWxPL	Pneumatic transfer Type M1 (see Page 392)	1
-(5055317)	Part list for XTUT S10 A	1		-(5055318)	Part list for XTUT S10 A	1
- -XTPB V002	Sensor bracket (see Page 389)	1		-- XTPB V002	Sensor bracket (see Page 389)	1
- -XTPB V003	Sensor bracket (see Page 389)	2		-- XTPB V003	Sensor bracket (see Page 389)	2
- -XTPD U200	Pallet stop, undamped (see Page 385)	1		-- XTPD D35	Pallet Stop, damped (see Page 386)	1
-5055955	Side support (see Page 387)	1		-- XTPA MC35 PW A	Damper (see Page 387)	1
				-5055955	Side support (see Page 387)	1

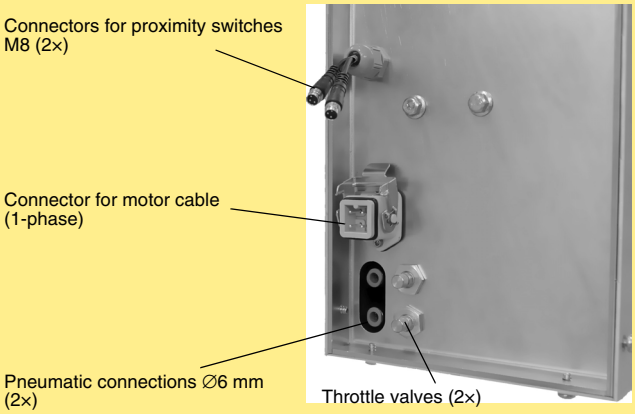
D00=No Damping				D01=Damping		
Item number	**Name**	**Qty**	**Transfer modules**	**Item number**	**Name**	**Qty**
XTPT PWxPL	Pneumatic transfer Type M2 (see Page 393	1	**XTUT S11 A Type M2**	XTPT PWxPL	Pneumatic transfer Type M2 (see Page 393	1
-(5055319)	Part list for XTUT S11 A	1		-(5055320)	Part list for XTUT S11 A	1
-- XTPB V003	Sensor bracket (see Page 389)	1		-- XTPB V003	Sensor bracket (see Page 389)	1
				-- XTPA CM35	Damper (see Page 387)	1

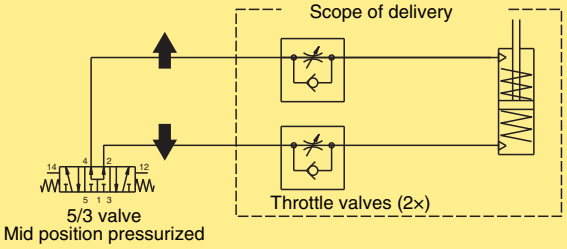
D00=No Damping				D01=Damping		
Item number	**Name**	**Qty**	**Transfer modules**	**Item number**	**Name**	**Qty**
XTPT PWxPL	Pneumatic transfer Type L (see Page 394)	1	**XTUT S12 A Type L**	XTPT PWxPL	Pneumatic transfer Type L (see Page 394)	1
-(5055321)	Part list for XTUT S12 A	1		-(5055322)	Part list for XTUT S12 A	1
-- XTPB V002	Sensor bracket (see Page 389)	1		--XTPB V002	Sensor bracket (see Page 389)	1
-- XTPB V003	Sensor bracket (see Page 389)	2		--XTPB V003	Sensor bracket (see Page 389)	2
-- XTPD U200	Pallet stop, undamped (see Page 385)	1		-- XTPD D35	Pallet Stop, damped (see Page 386)	1
-5055955	Side support (see Page 387)	1		-- XTPA CM35	Damper (see Page 387)	1
				5055955	Side support (see Page 387)	1

Pneumatic transfer Type M1



Transfer unit	Type	240 V 50 Hz motor	115 V 60 Hz motor
XTPT 240×240–...	M1	S8R25GX-T1	S8R25GE-T1
XTPT 240×320–...	M1	S8R25GX-T1	S8R25GE-T1
XTPT 320×240–...	M1	S8R25GX-T1	S8R25GE-T1





Pneumatic transfer Type M1*

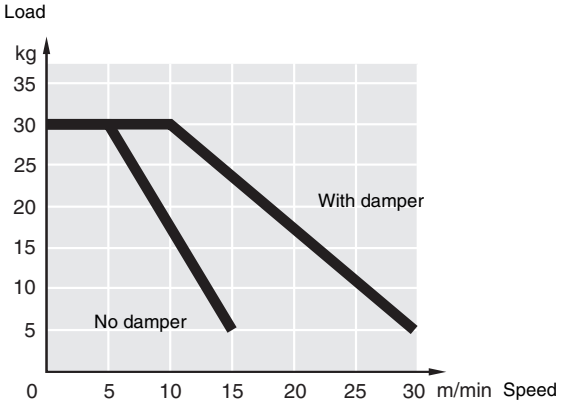
Standard chain, 50 Hz	**XTPT PW×PL-01**
Standard chain, 60 Hz	**XTPT PW×PL-02**
Conductive chain, 50 Hz	**XTPT PW×PL-03**
Conductive chain, 60 Hz	**XTPT PW×PL-04**

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.

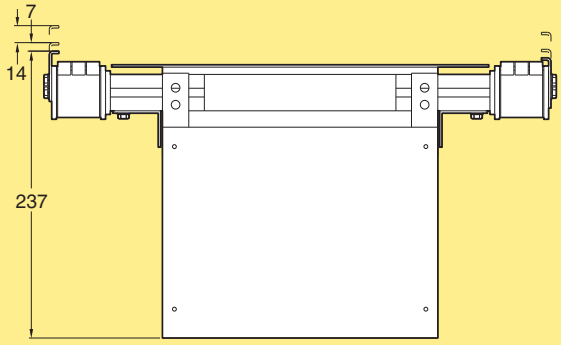


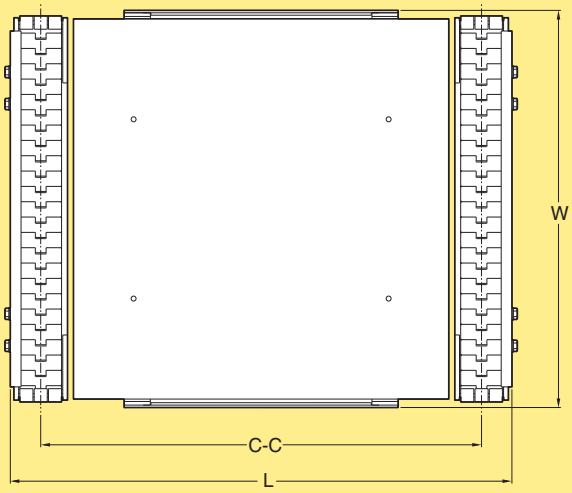
Maximum load vs. conveyor speed

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.

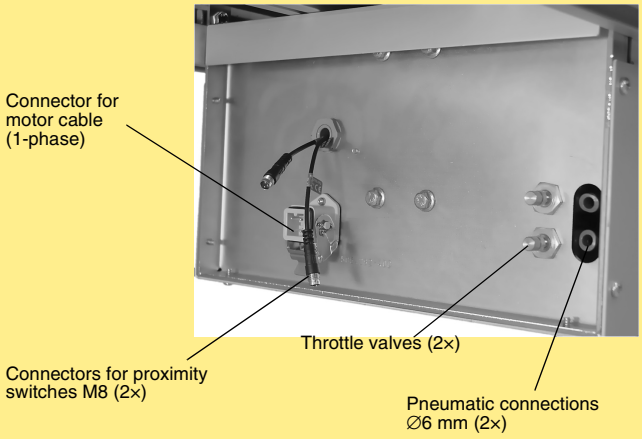
 © FlexLink 2021

Pneumatic transfer Type M2





Transfer unit	Type	240 V 50 Hz motor	115 V 60 Hz motor
XTPT 320×320–...	M2	S9R40GXH-T	S9R40GEH-T
XTPT 320×400–...	M2	S9R40GXH-T	S9R40GEH-T
XTPT 400×320–...	M2	S9R40GXH-T	S9R40GEH-T
XTPT 400×400–...	M2	S9R40GXH-T	S9R40GEH-T
XTPT 400×480–...	M2	S9R40GXH-T	S9R40GEH-T
XTPT 400×640–...	M2	S9R40GXH-T	S9R40GEH-T

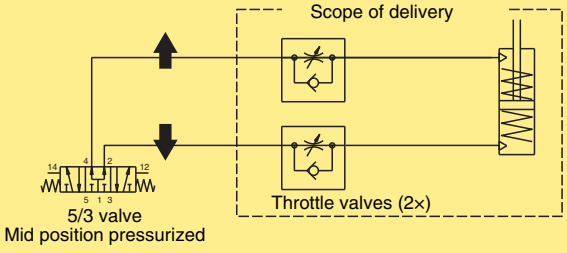


Pneumatic transfer Type M2*

Standard chain, 50 Hz	**XTPT PW×PL-01**
Standard chain, 60 Hz	**XTPT PW×PL-02**
Conductive chain, 50 Hz	**XTPT PW×PL-03**
Conductive chain, 60 Hz	**XTPT PW×PL-04**

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

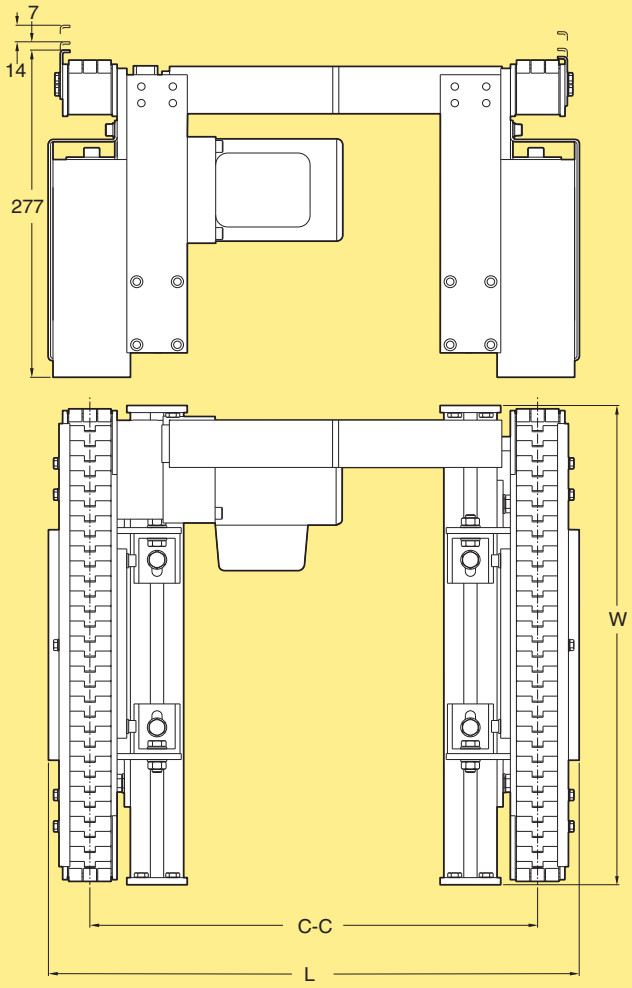
**For the following pallet sizes (PW×PL):*
320×320: C-C=290, W=249, L=339
320×400: C-C=370, W=249, L=419
400×320: C-C=290, W=329, L=339
400×400: C-C=370, W=329, L=419
400×480: C-C=450, W=329, L=499
400×640: C-C=610, W=329, L=659



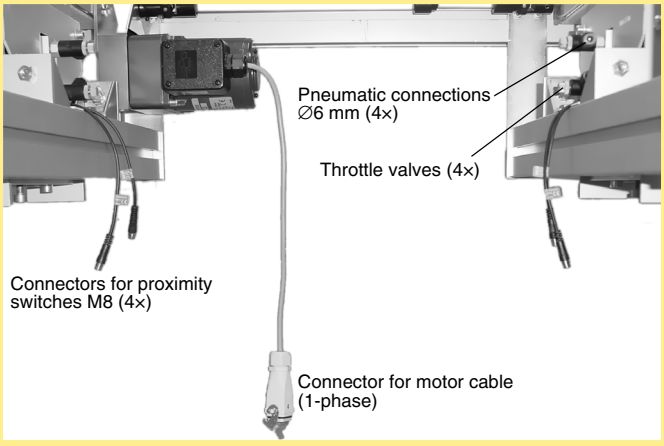
Motor cable connector

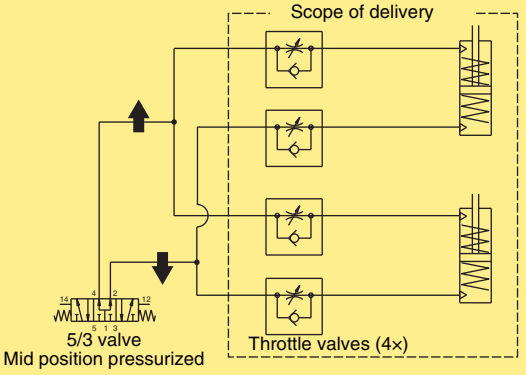
The connector for motor cable is a male 3-pole insert with a housing for the insert. To connect, a female 3-pole insert with a hood for the insert and a screw cap for the hood are required (not supplied by FlexLink). Suitable types are Weidmüller 1498200000 (insert),1788520000 (hood), and 13-08080521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

Pneumatic transfer Type L



Transfer unit	Type	240 V 50 Hz motor	115 V 60 Hz motor
XTPT 480×400–...	L	S9R40GXH-T	S9R40GEH-T
XTPT 480×480–...	L	S9R40GXH-T	S9R40GEH-T
XTPT 480×640–...	L	S9R40GXH-T	S9R40GEH-T
XTPT 640×400–...	L	S9R40GXH-T	S9R40GEH-T
XTPT 640×480–...	L	S9R40GXH-T	S9R40GEH-T
XTPT 640×640–...	L	S9R40GXH-T	S9R40GEH-T





Pneumatic transfer Type L*

Standard chain, 50 Hz	**XTPT PW×PL-01**
Standard chain, 60 Hz	**XTPT PW×PL-02**
Conductive chain, 50 Hz	**XTPT PW×PL-03**
Conductive chain, 60 Hz	**XTPT PW×PL-04**

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

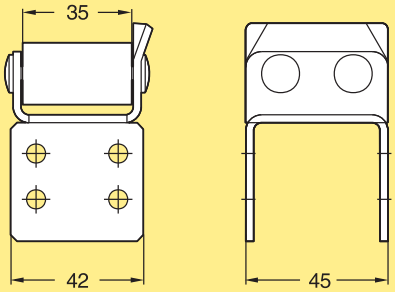
**For the following pallet sizes (PW×PL):*
480×400: C-C=370, W=405, L=439
480×480: C-C=450, W=405, L=519
480×640: C-C=610, W=405, L=679
640×400: C-C=370, W=565, L=439
640×480: C-C=450, W=565, L=519
640×640: C-C=610, W=565, L=679

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.

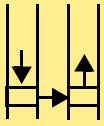
 © FlexLink 2021

Roller kit 45 mm



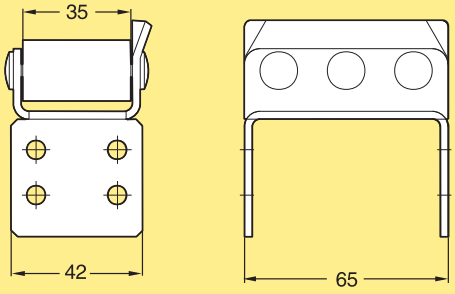
Roller kit 45 mm **5050117**

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



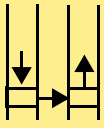
XTC to XTC

Roller kit 65 mm



Roller kit 65 mm **5049865**

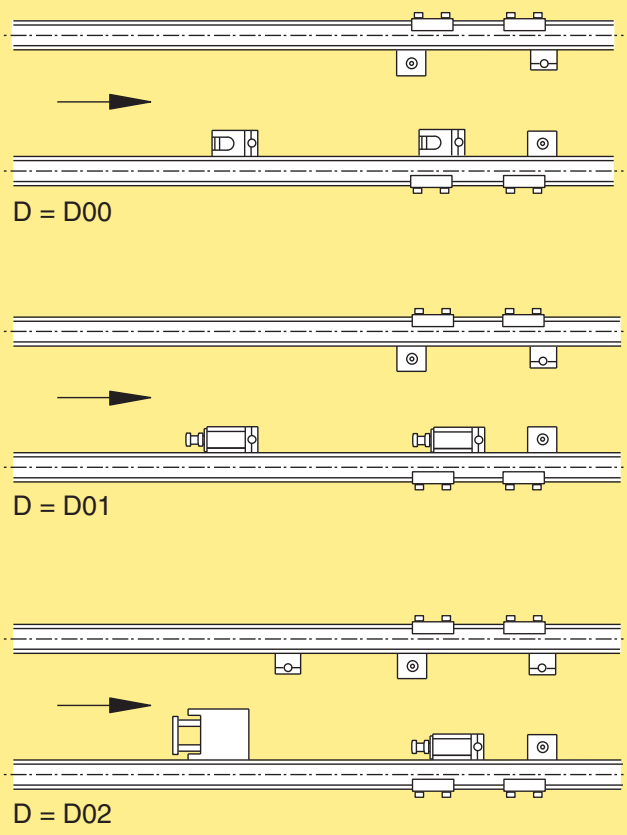
Kit consists of two roller bridges and the necessary mounting hardware.



XTC to XTC

Locating function module P11 A

Option F00



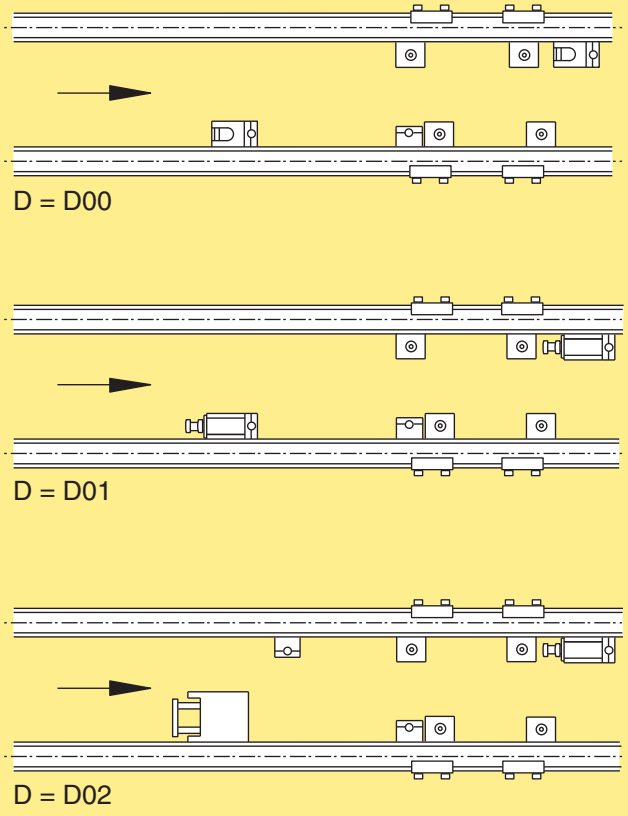
Locating function module* **XTUL P11 A**

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 397, parts included in module)

Locating function module P11 A

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 397, parts included in module)

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.

 © FlexLink 2021

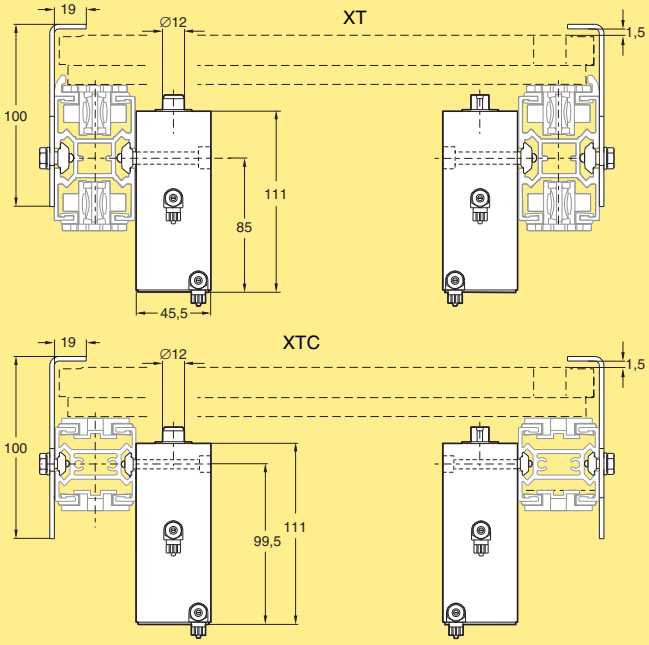
Part list for Locating function module XTUL P11 A

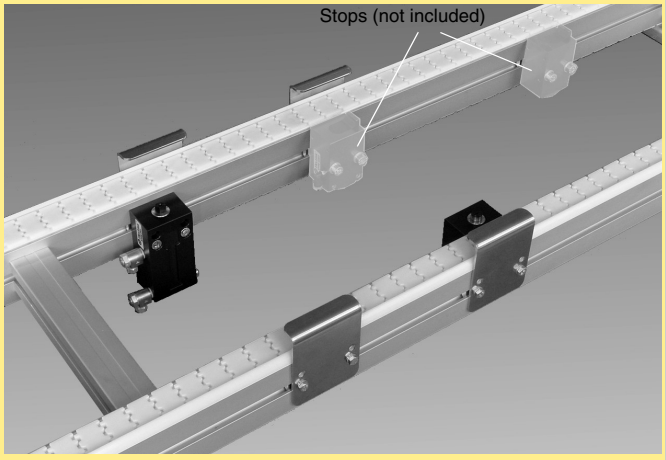
Part list for XTUL P11 A	D00=No damping			
		Locating function module XTUL P11 A		
(F00)	(F01)	Item number	Name	Qty
X	X	XTPX P11 A	Locating station (see Page 384)	1
X	X	(5055686)	Part list for XTUL P11 A	1
X	X	- XTPB V002	Sensor bracket (see Page 389)	1
X	X	- XTPB V001	Sensor bracket (see Page 389)	2
X	X	- XTPD U200	Pallet stop, undamped (see Page 385)	2
X	X	5055955	Side support (see Page 387)	1
	X	5055802	Lift unit kit (see Page 398)	1

Part list for XTUL P11 A	D01=Damping			
		Locating function module XTUL P11 A		
(F00)	(F01)	Item number	Name	Qty
X	X	XTPX P11 A	Locating station (see Page 384)	1
X	X	(5055923)	Part list for XTUL P11 A	1
X	X	- XTPB V002	Sensor bracket (see Page 389)	1
X	X	- XTPB V001	Sensor bracket (see Page 389)	2
X	X	- XTPD D35	Pallet stop, damped (see Page 386)	2
X	X	5055955	Side support (see Page 387)	1
	X	5055802	Lift unit kit (see Page 398)	1

Part list for XTUL P11 A	D02=Damping, 100 kg			
		Locating function module XTUL P11 A		
(F00)	(F01)	Item number	Name	Qty
X	X	XTPX P11 A	Locating station (see Page 384)	1
X	X	(5055924)	Part list for XTUL P11 A	1
X	X	- XTPB V002	Sensor bracket (see Page 389)	2
X	X	- XTPD D35	Pallet stop, damped (see Page 386)	1
X	X	- XTPB V001	Sensor bracket (see Page 389)	1
X	X	- XTPD D100	Damped stop (see Page 386)	1
X	X	5055955	Side support (see Page 387)	1
	X	5055802	Lift unit kit (see Page 398)	1

Pallet locating station





Locating station **XTPX P11 A**

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.

See chapter See “Locating function module P11 A” on page 396.for information about the locating function module.

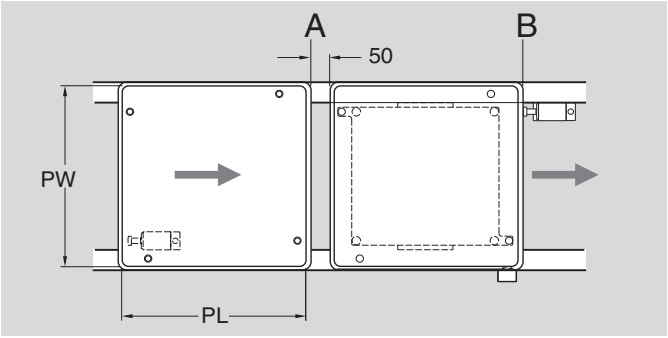
Lift unit kit

Lift unit kit **5055802**

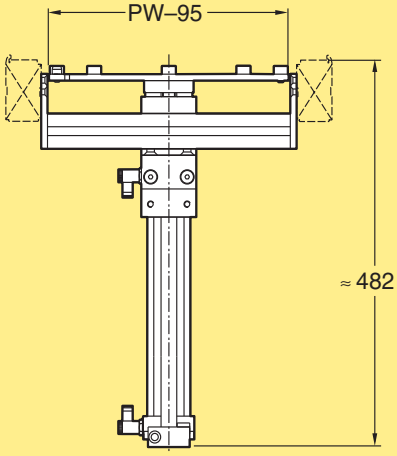
Kit consists of two lift units without guide pins. To be used for large pallets (PW or PL >400 mm).
Suitable sensors: SICK, MZT1-03VPS-KR0 magnetic cylinder sensor, DC 3-wire.

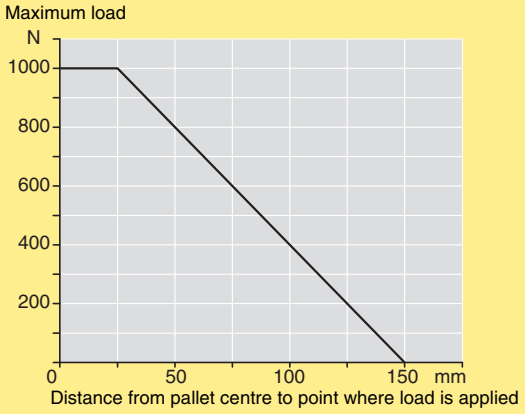
 © FlexLink 2021

The lift-and-locate function is used when a product needs to be located at a specific height prior to a machine operation.



Lift-and-locate module





Lift-and-locate function module*

XTUL P12

This product is available for all XT pallet sizes.

** Use online configurator when ordering*
(Part list see Page 400, 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.

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,

Part list for Lift-and-locate module XTUL P12

Part list for XTUL P12			
	D00=No damping		
Lift-and-locate module	**Item number**	**Name**	**Qty**
	XTPX P12 PWxPL	Lift and locate unit	1
	XTPD U200	Pallet stop, undamped (see Page 385)	2
	XTPB V001	Sensor bracket (see Page 389)	2
	XTPB H001	Sensor bracket (see Page 389)	1
	5055955	Side support (see Page 387)	2

Part list for XTUL P12			
	D01=Damping, 35 kg		
Lift-and-locate module	**Item number**	**Name**	**Qty**
	XTPX P12 PWxPL	Lift and locate unit	1
	XTPB V001	Sensor bracket (see Page 389)	2
	XTPD D35	Pallet stop, damped (see Page 386)	2
	XTPB H001	Sensor bracket (see Page 389)	1
	5055955	Side support (see Page 387)	2

Part list for XTUL P12			
	D02=Damping, 100 kg		
Lift-and-locate module	**Item number**	**Name**	**Qty**
	XTPX P12 PWxPL	Lift and locate unit	1
	XTPD D35	Pallet stop, damped (see Page 386)	1
	XTPD D100	Pallet stop, damped (see Page 386)	1
	XTPB V001	Sensor bracket (see Page 389)	1
	XTPB V002	Sensor bracket (see Page 389)	1
	XTPB H001	Sensor bracket (see Page 389)	1
	5055955	Side support (see Page 387)	2

 © FlexLink 2021