

Pallet handling components XT

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Conveyor System XT

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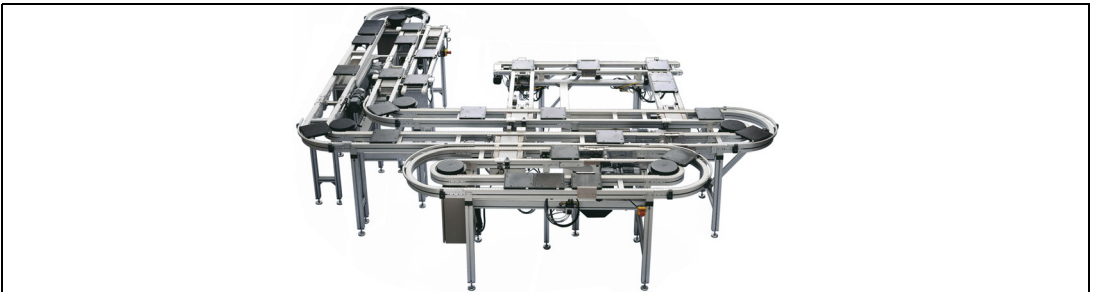
XT components

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XT Pallet function

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Introduction

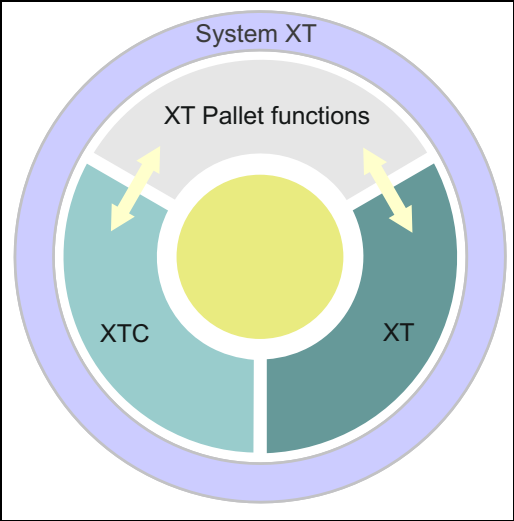


System description

The XT conveyor system is a twin-track, flexible plastic chain pallet conveyor. The system is especially well suited for manual and automatic assembly and test systems in the automotive and electrical/electronics industries. A range of conveyor components for pallet handling can be ordered. Functions such as conveyors, transfers, stops, locates, lift-and-rotates and supports can be integrated in the conveyor module or be ordered as kit.

Examples of application areas

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



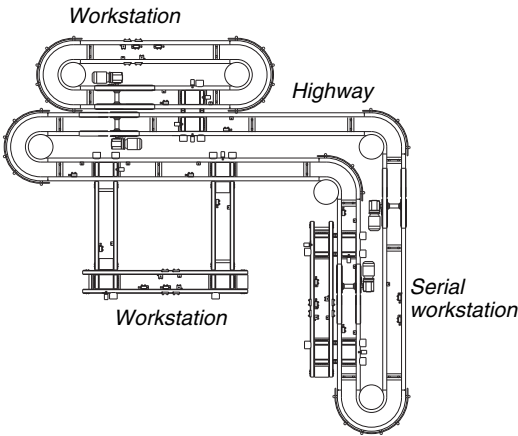
Conveyor XTC and XT

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 388.	
Permitted load / 100 mm conveyor	8 kg	8 kg



Conveyor - introduction

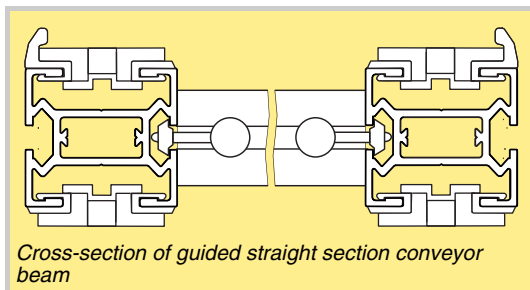
XTC is a twin track conveyor system specially designed for shorter transportations up to 4 meters. It has a slim design making it suitable to use in narrow spaces.

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

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

Beam design

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



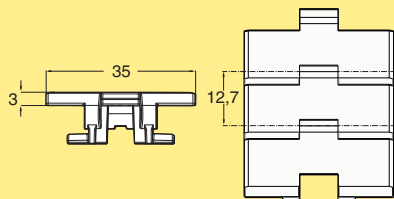
Examples of application areas

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

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

Standard link kit **

Conductive chain *

Conductive link kit **

Plain chain (Ultra low wear)

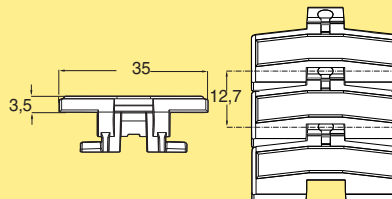
Ultra low wear link kit**

XUTP 3B35
5056662
XUTP 3B35 E
5056664
XUTP 3B35 C
5123388

**Use with conductive slide rail.*

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

Friction top chain, XTC



Friction top chain

Length 3 m

All links are friction type

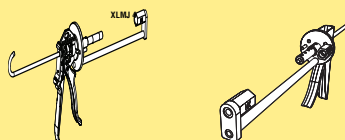
Standard material

Plain link kit*

XUTP 3A35 F
5113049

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

Pin insertion tool for chain



Pin insertion tool

XS-X65-XT

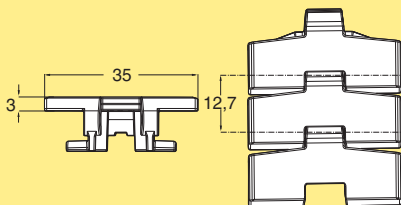
XS-X65-XT, PRO version*

XMLJ 4
XMLJ 4 P

For FlexLink's XT chains XTTP 5, XTTP 5 EC and 6045771.

**This product is recommended for frequent users.*

Plain chain, Side flexing, XTC



Plain chain

Length 3 m

Standard material

Plain link kit

Conductive Chain

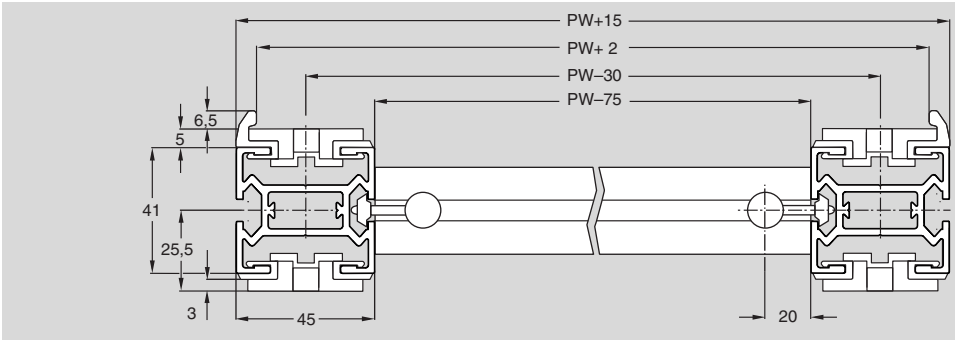
Conductive link kit **

Plain chain (Ultra low wear)

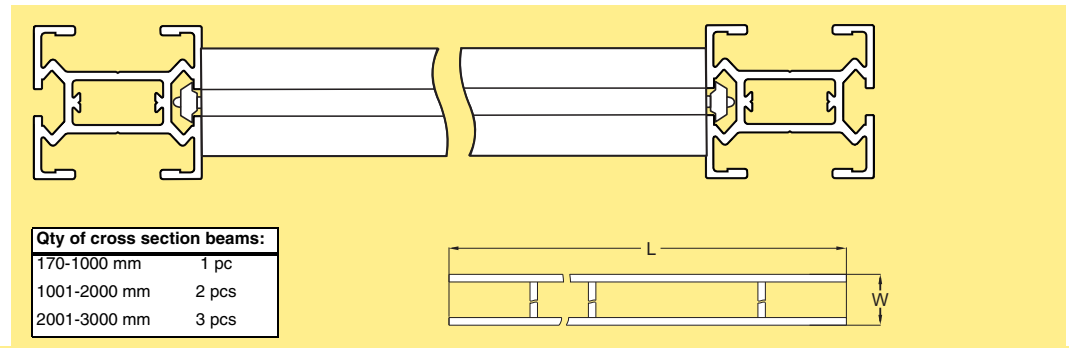
Ultra low wear link kit

XUTP 3A35
5123389
XUTP 3A35 E
5123390
XUTP 3A35 C
5123391

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



Conveyor beam section



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

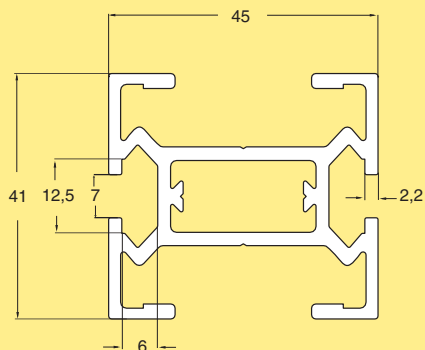
XUCB 3D450

Beam section (assembled) for pallets 640 mm wide.
L= Length 3000 ±1,5 mm

XUCB 3D610

* Use online configurator when ordering

Conveyor beam



Beam

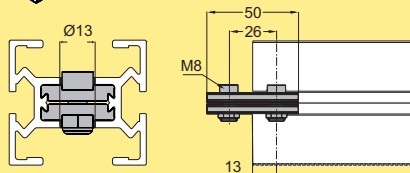
Length 3000 +10/-0 mm

Length to order (30- 3000 mm)

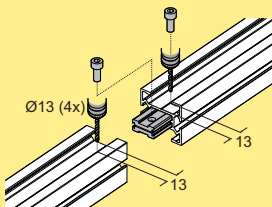
XUCB 3
XUCB L

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

Connecting strip kit



Drill instruction

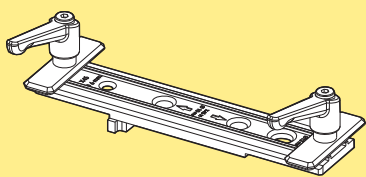


Connecting strip kit
Aluminium

Including M8 screws.

XUCJ 50

Drill fixture for conveyor beam

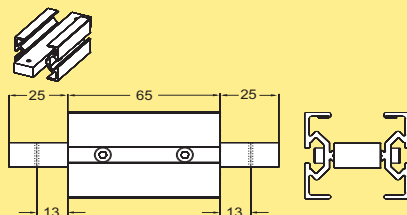


Drill fixture for conveyor beam

5123264

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

Beam section for chain installation



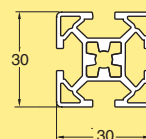
Beam section kit

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

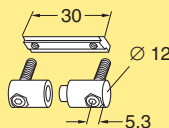
Length 3000 mm (3030 ±5 mm)

Length to order (30- 3000 mm)

XFBM 3×30
XFBM L×30

Used for XTC

Fastener yoke for 30×30 beam

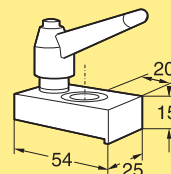


Fastener yoke assembly

Length 30 mm

XFAF 30

Drill fixture for fastener yokes



Drill fixture for fastener yokes

(Ø12,2 mm)

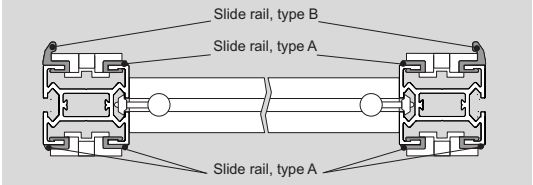
XFAD 12

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

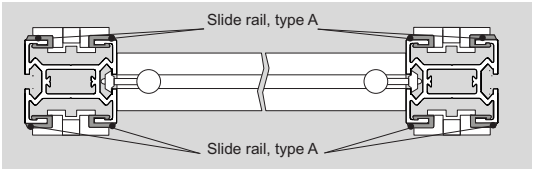
Slide rail configuration

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

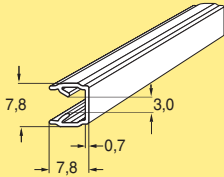
With pallet side guides



No pallet side guides



Cover strip



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

XFAC 3 T

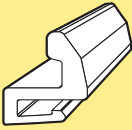
Slide rail, type A



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

XTCR 25 H
XTCR 25 U
XTCR 25 UL
XTCR 25 E

Slide/guide rail, type B

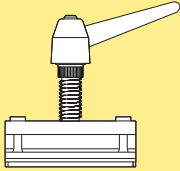


Slide/guide rail (B)
Length 3 m
PA-PE (Grey)
UHMW-PE (White)
UHMW-PE + carbon (conductive) (Black)

XTCR 3 HB
XTCR 3 UB
XTCR 3 EB

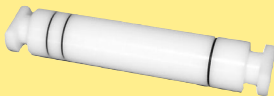
Slide rail tools

Drill fixture for slide rail



Drill fixture for slide rail **3923584**

Mounting tool for slide rail



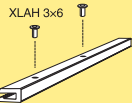
Mounting tool for slide rail **XTMR 160 A**

Rivet tool

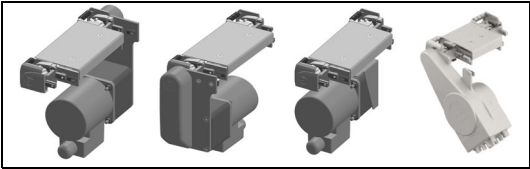


Rivet tool **3923563**

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.

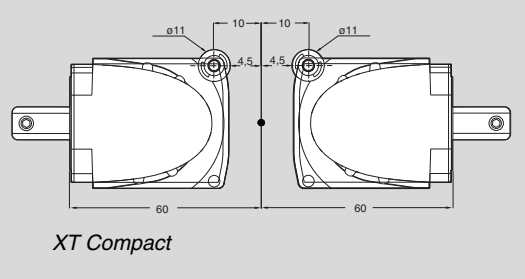
- Connecting strips are included with the drive units.
- Slide rail must be ordered separately.

Dimension drawings in catalogue

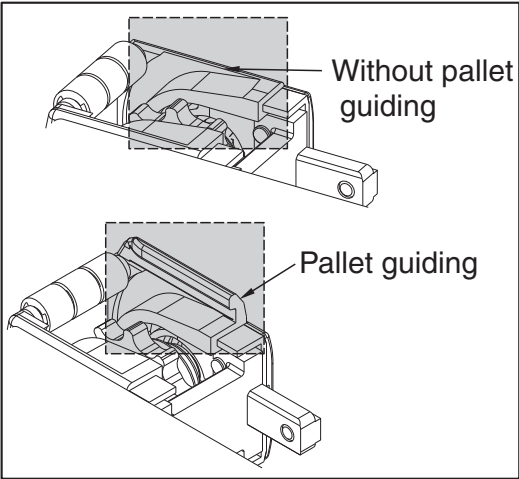
Note that dimensions relating to drive unit motors depend on the motor specified during the configuration. In most cases, the motors shown in the catalogue drawings represent the largest size.

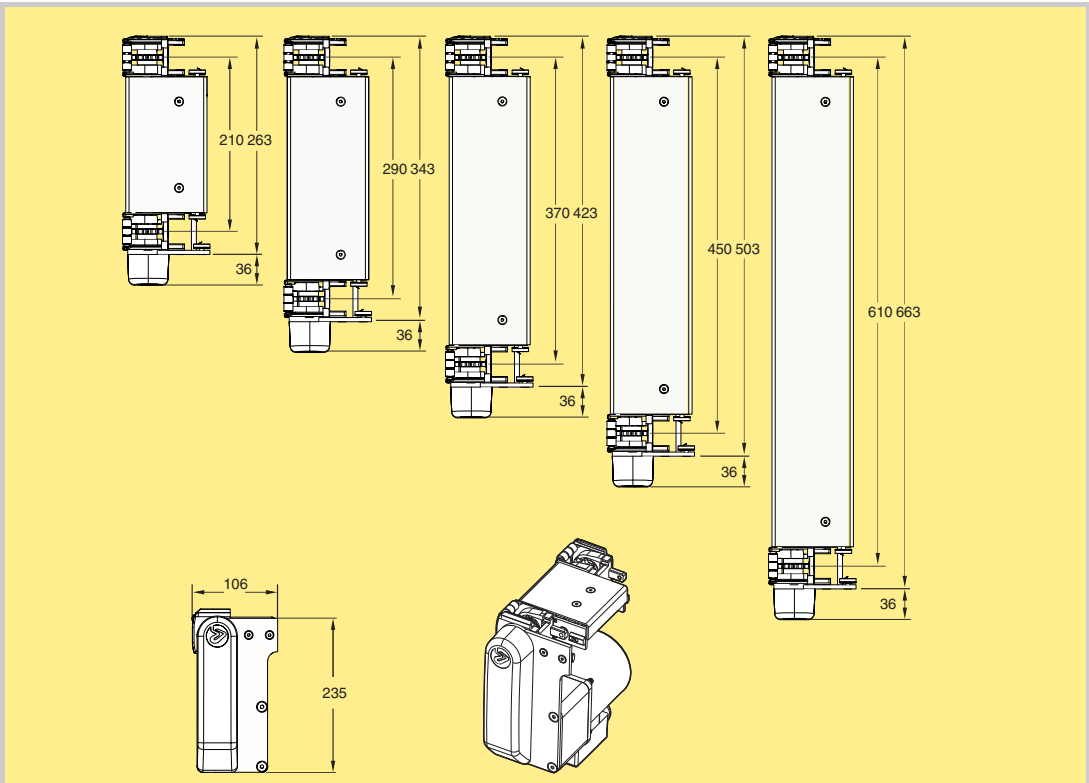
Minimum clearance distance

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



Pallet guiding and without 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

PO

CC

X45

XS

X65

X65P

X85

X85P

XH

XK

XKP

X180

X300

GR

CS

XT

HU

WL

WK

XC

XF

XD

ELV

CTL

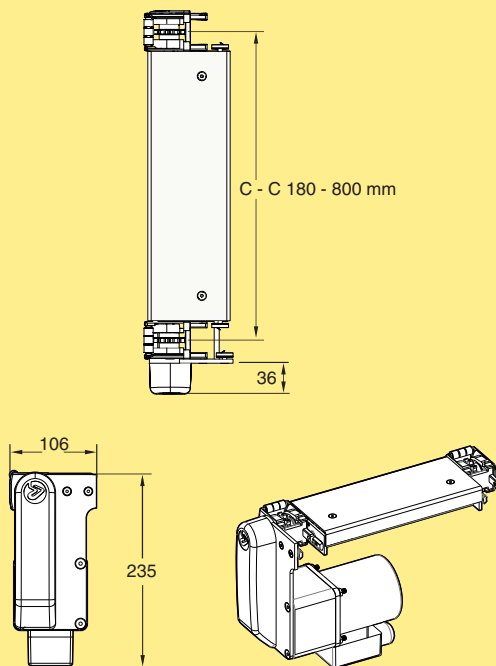
FST

TR

APX

IDX

Left and right drive unit, without pallet guiding



Left and right drive unit, without pallet guiding, configured item*

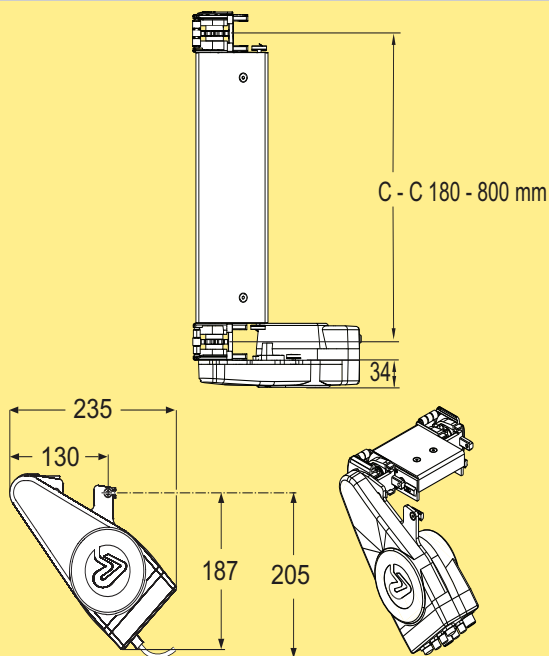
Fixed speed

C - C = 180- 800 mm

XUEB DD P

** Use online configurator when ordering*

Effective track length: 2x0,125 m



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

CC

X45

XS

X65

X65P

X85

X85P

XH

XK

XKP

X180

X300

GR

CS

XT

HU

WL

WK

XC

XF

XD

ELV

CTL

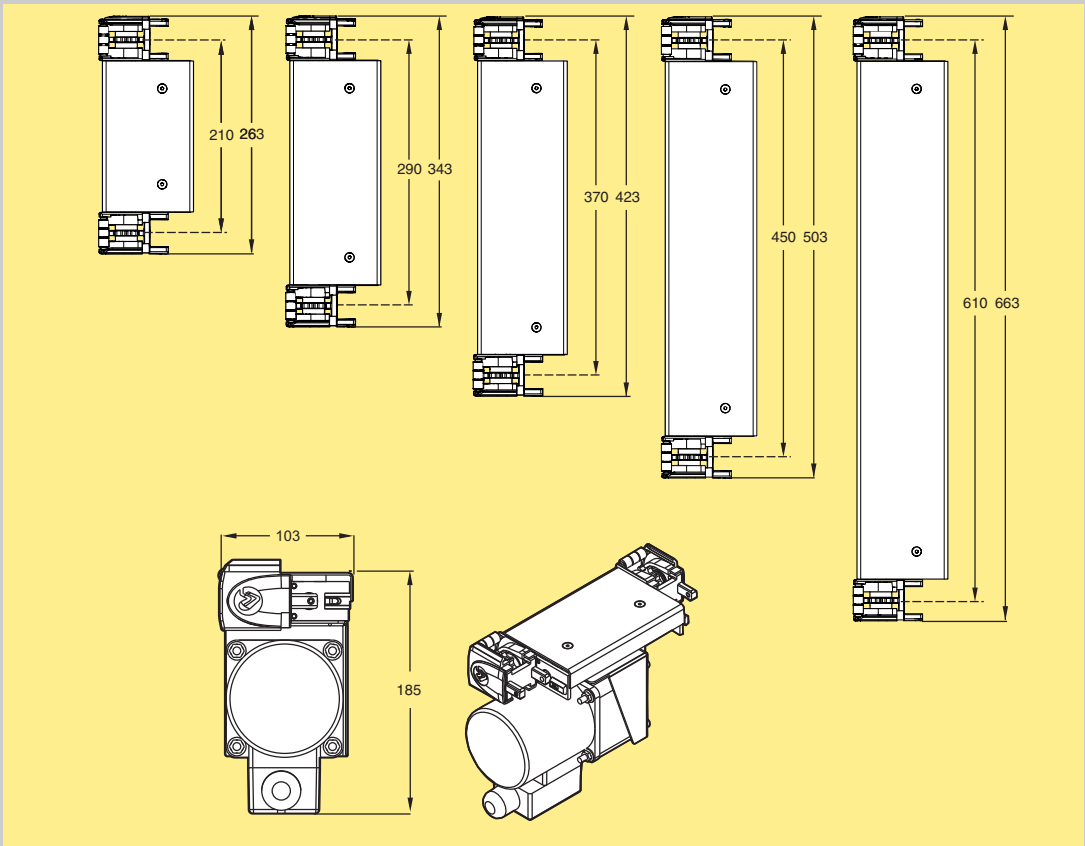
FST

TR

APX

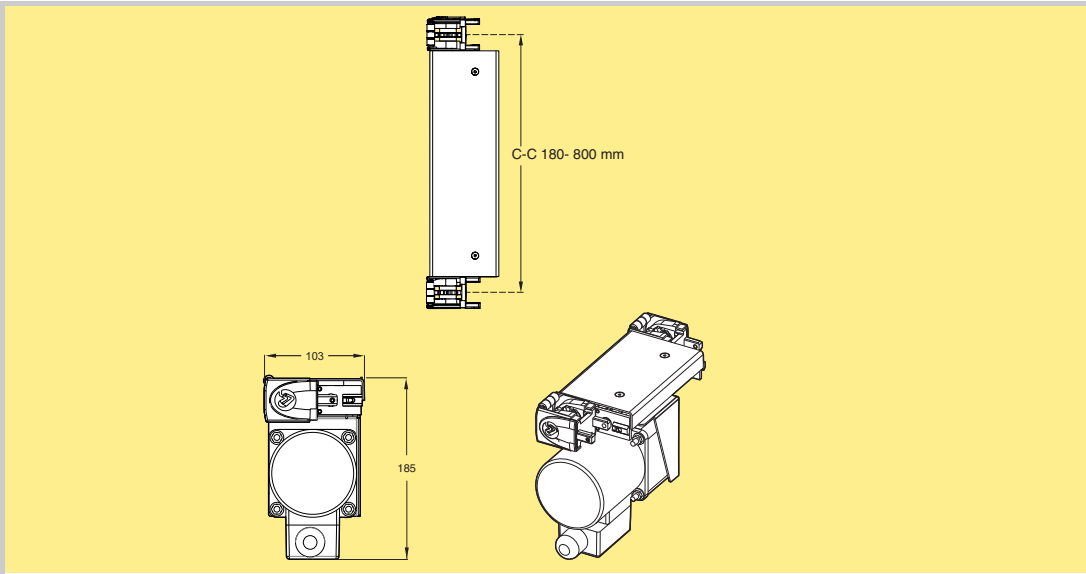
IDX

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



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

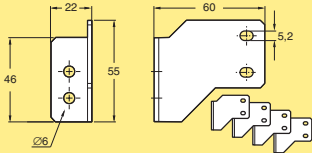
Idler end unit XTC, without pallet guiding

Idler end unit right or left, without pallet side guide
XUEJ 50 P

Note! Two idler units must be ordered for a conveyor with return chain.

Effective track length: 0,125 m

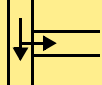
Connecting kit, end-to-side/side-to-end



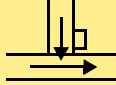
Connecting kit (four brackets)

5050034

Including mounting hardware.

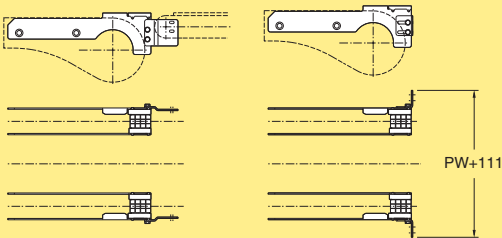


XT to XTC
XTC to XTC



XTC to XT
XTC to XTC

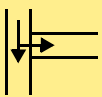
Connecting kit, end-to-side/end-to-end



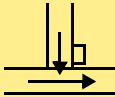
Connecting kit, one pair

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

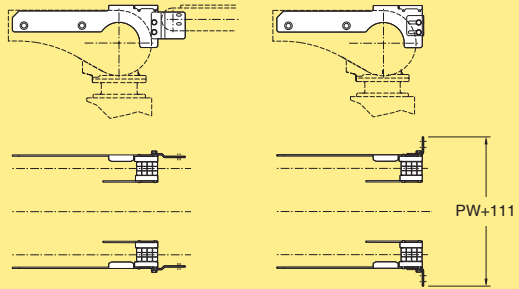


XT to XT
XT to XTC



XT to XTC
XTC to XT

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



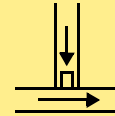
Connecting kit, one pair

5053201

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

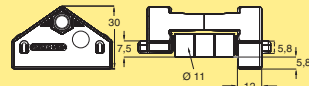
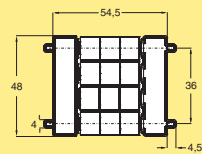
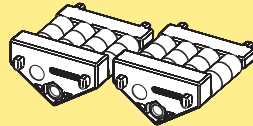


XT to XTC



XT to XT
XT to XTC

Roller bridge (pair), Spare parts

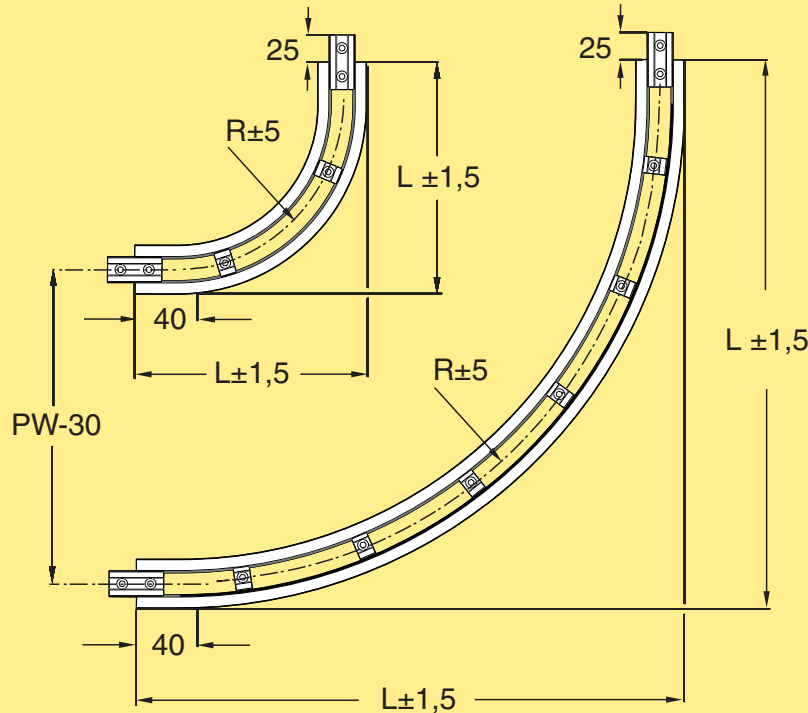


Roller bridge, one pair

5054947

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

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

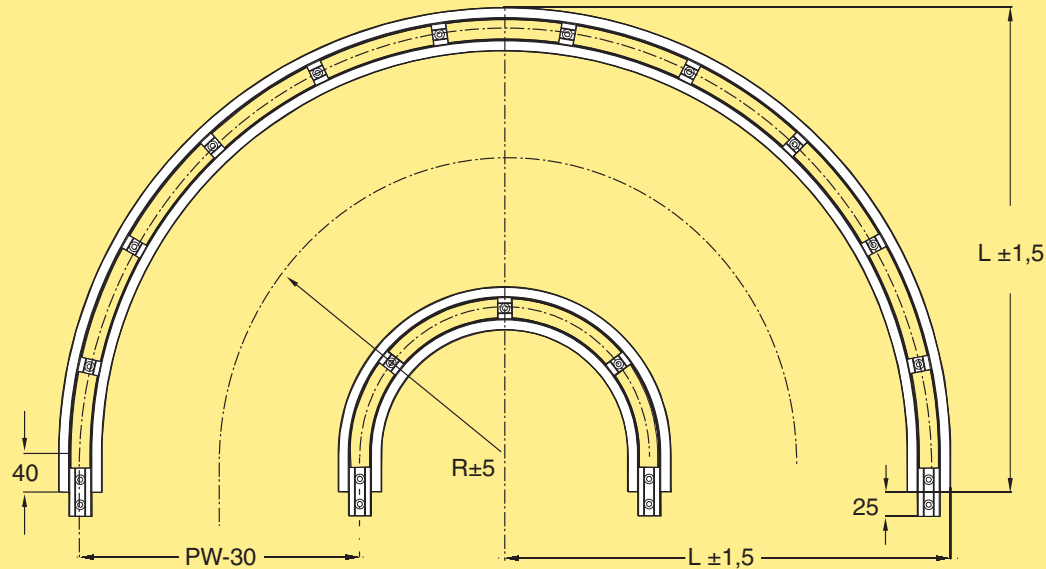
Effective track lengths: R600: 1,0 m, PW 480

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

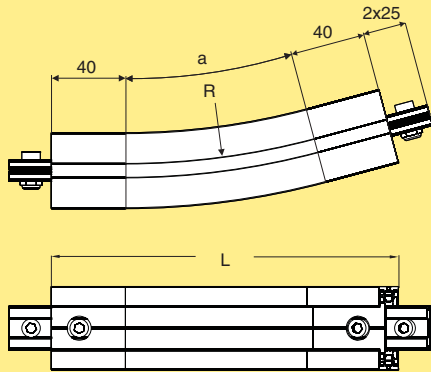
Effective track lengths: R600: 2,0 m, PW 480

XUBP 180R600

Effective track lengths: R760: 2,5 m, PW 640

XUBP 180R760

Vertical bend, 5° and 15°



Vertical bend 5°
R=400, L=116,5, a=5°

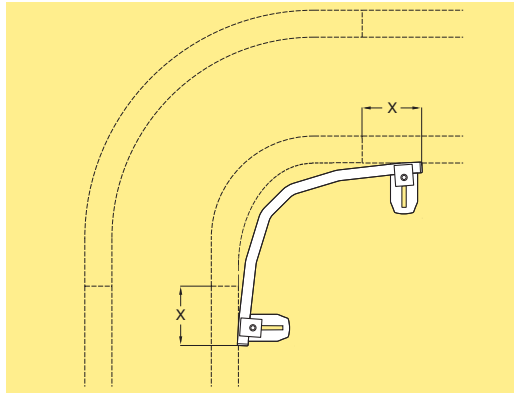
XUBV 5R400

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



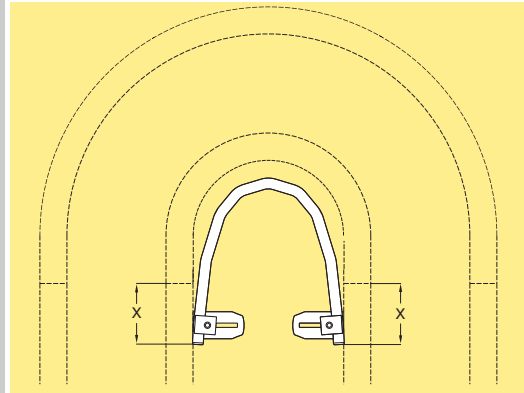
Inner guide rail for 90° bend

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 357.

Inner guide rail for 180° bend



Inner guide rail for 180° bend

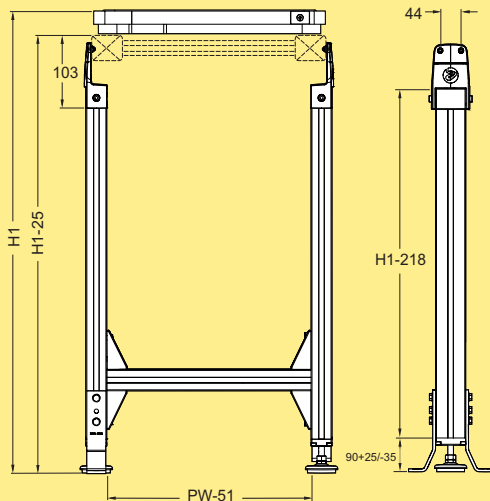
For PW×PL=240×240, X=140	5119499
For PW×PL=240×320, X=142	5119501
For PW×PL=320×240, X=140	5119499
For PW×PL=320×320, X=143	5119503
For PW×PL=320×400, X=203	5119505
For PW×PL=400×320, X=147	5119503
For PW×PL=400×400, X=217	5123414
For PW×PL=400×480, X=242	5119507
For PW×PL=400×640, X=392	5119509
For 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 357.

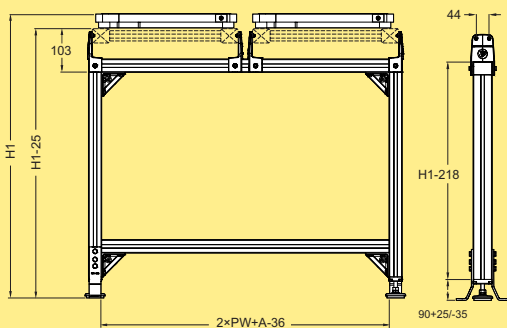
Support modules S01A/S02A/S03A/S04

Support module for single conveyor module



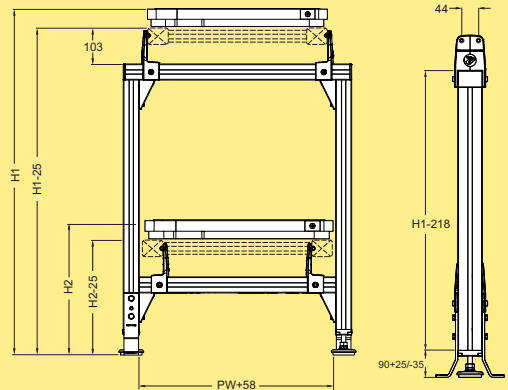
Support module, configured item* **XTUF S01A**
Including Beam support brackets 5052621 and Floor attachment brackets XCFA 170 S.
* Use online configurator when ordering

Support module for two parallel conveyor modules



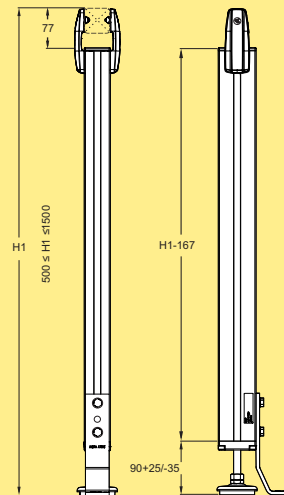
Support module, configured item* **XTUF S02A**
Including Beam support brackets 5052621 and Floor attachment brackets XCFA 170 S.
* Use online configurator when ordering

Support module for conveyor modules at two levels



Support module, configured item* **XTUF S03A**
Including Beam support brackets 5052621 and Floor attachment brackets XCFA 170 S.
* Use online configurator when ordering

Support module for bends



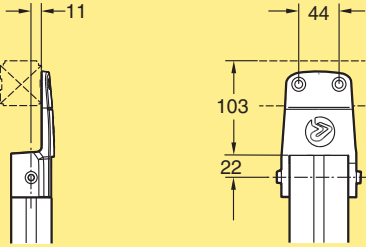
Support module, configured item* **XTUF S04**
Including Beam support brackets XUCS 44 and Floor attachment brackets XCFA 170 S.
* Use online configurator when ordering

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 370.

Support brackets

Beam support bracket for XTC

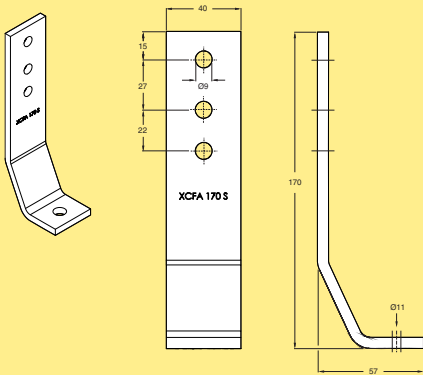


Beam support bracket, XTC

5052621

Mounting: ISO 4762 M6x 10 St 8.8 (2), XFAN 6 (2), MC6S 8x14 (2), XCAN 8 (2)

Floor attachment bracket

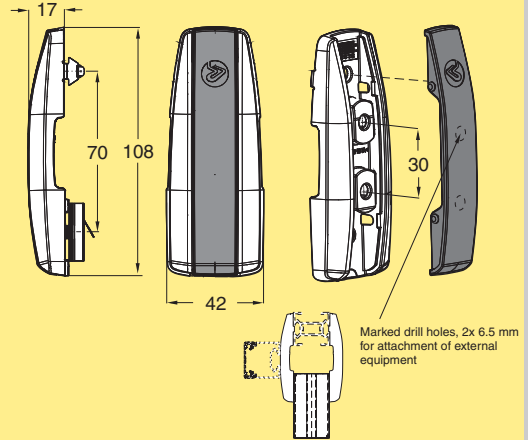


Floor attachment bracket
Stainless steel

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.

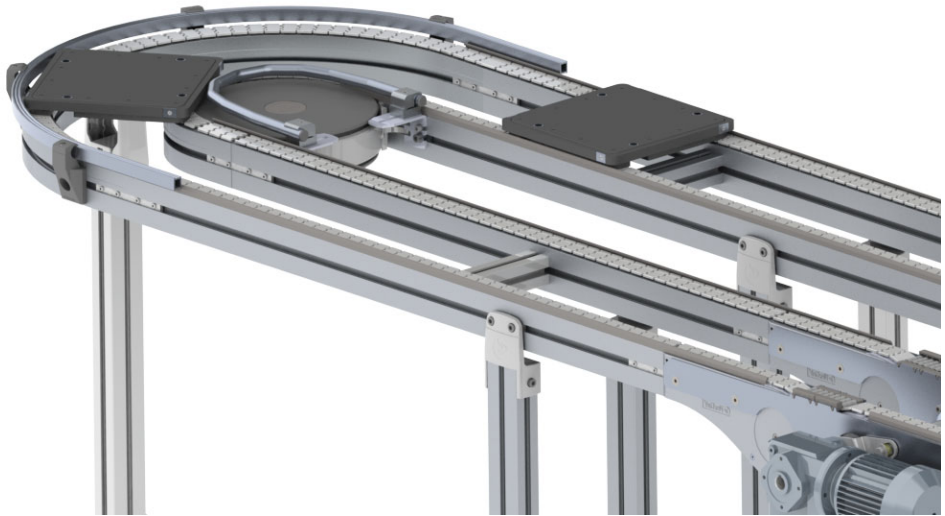
Conveyor System XT

Conveyor – introduction

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

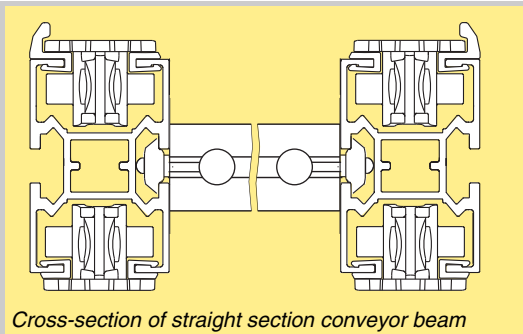
XT is available in FlexLink five standard pallet widths. For custom specific widths, see X45H double drive unit.

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



Beam design

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



Cross-section of straight section conveyor beam

Examples of application areas

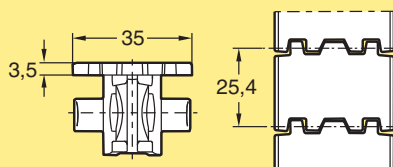
Manual and automatic assembly and test systems in the automotive and electrical/electronics industries. Examples: gearboxes, computers, sewing machines, mobile phones, automotive seat guiderails, eyeglasses, injection-moulded parts, fishing reels, car instrument kits

P0
CC
X45
XS
X65
X65P
X85
X85P
XH
XK
XKP
X180
X300
GR
CS
XT
HU
WL
WK
XC
XF
XD
ELV
CTL
FST
TR
APX
IDX

XT components

Chain XT

Plain chain, XT



Plain chain, length 5 m

Pitch 25,4 mm

Standard chain

Standard link kit **

Conductive chain

Conductive link kit **

XTTP 5

5056659

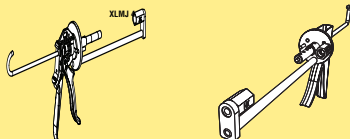
XTTP 5 EC

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

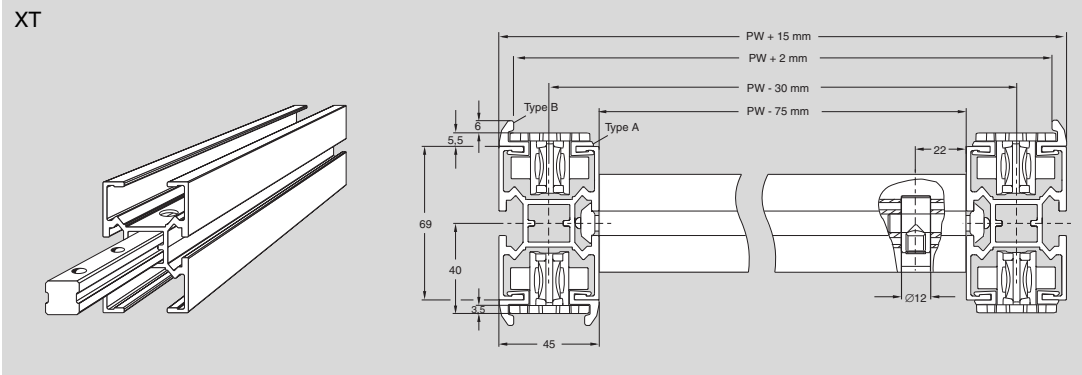
XS-X65-XT, PRO version*

XLMJ 4

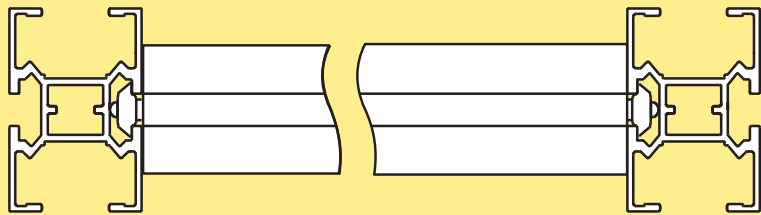
XLMJ 4 P

For FlexLink's XT chains XTTP 5, XTTP 5 EC.

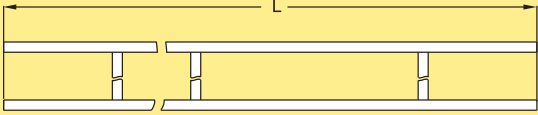
**This product is recommended for frequent users.*



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*

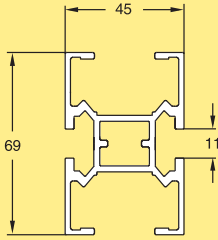
PW= 240, 320, 400, 480, 640
L=Length to order (170–3000 mm)
W= Width to order (210–610 mm)

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

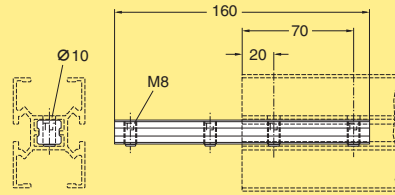
Length 3000 +10/-0 mm

Length to order (30- 3000 mm)

XCBC 3

XCBC L

Connecting strip kit



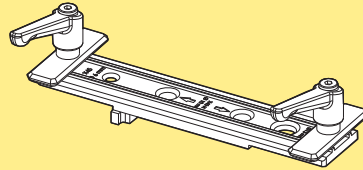
Connecting strip kit

Steel, electro-zinc-plated

5053503

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

Drill fixture for conveyor beam



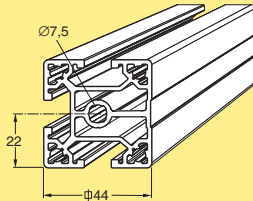
Drill fixture for conveyor beam

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

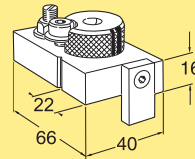
Length 3000 mm (3030 ±5 mm)

Length to order (30- 3000 mm)

XCBL 3×44 T3

XCBL L×44 T3

Drill fixture for T-slot connector



Drill fixture Ø10/18,25 mm

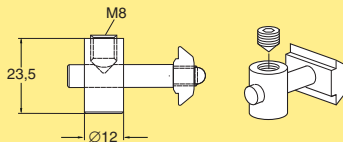
XCAD 10/18

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.*

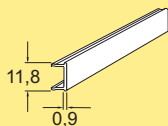
T-slot connector for 44×44 beam



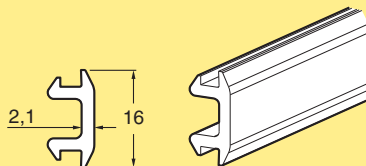
T-slot connector

Steel, electro-zinc-plated

XCEC 12

Cover strip, aluminium

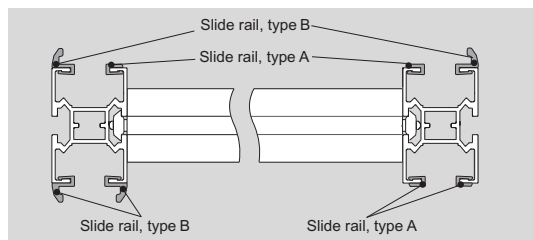
Cover strip
Length 2 m
Aluminium, anodized

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

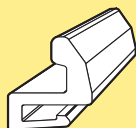
XCAC 25 P**Slide rails****Slide rail configuration**

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

Pallet side guides**Slide rail, type A**

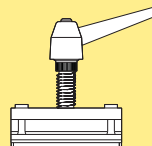
Slide rail (A)
Length 25 m
PA-PE (Grey)
UHMW-PE (White)
UHMW-PE (Blue)
UHMW-PE + carbon (conductive) (Black)

XTCR 25 H
XTCR 25 U
XTCR 25 UL
XTCR 25 E

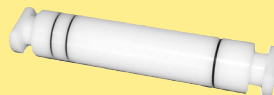
Slide/guide rail, type B

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

XTCR 3 HB
XTCR 3 UB
XTCR 3 EB

Slide rail tools**Drill fixture for slide rail**

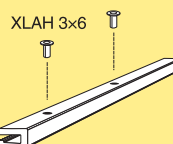
Drill fixture for slide rail

3923584**Mounting tool for slide rail**

Mounting tool for slide rail

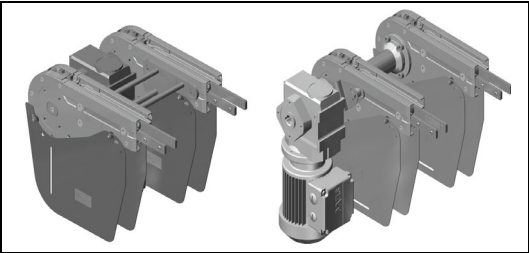
XTMR 160 A**Rivet tool**

Rivet tool

3923563**Aluminium rivets 3 mm**

Aluminium rivets 3 mm

XLAH 3×6*Note. Contains 250 pcs.*

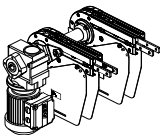
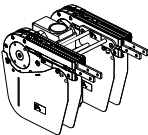
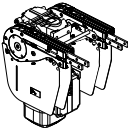


End drive unit

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.

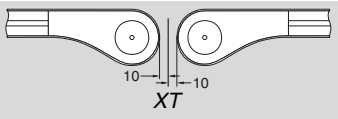
- Connecting strips are included with the drive units.
- Slide rail must be ordered separately.

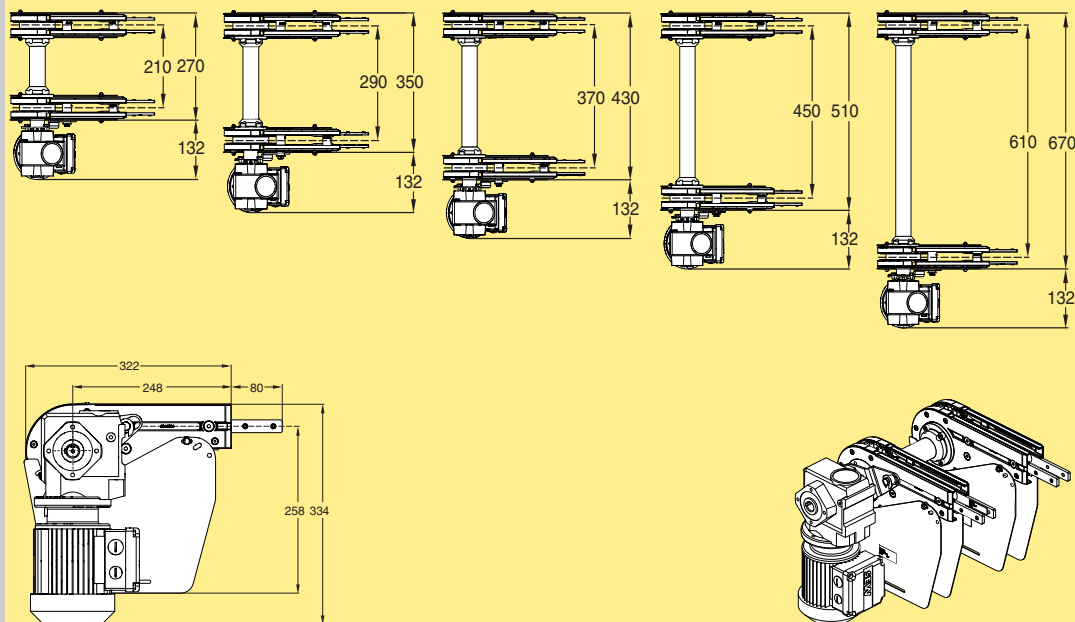
Dimension drawings in catalogue

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.

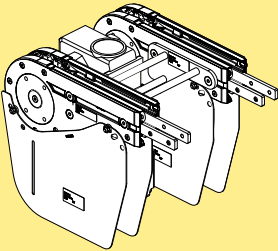
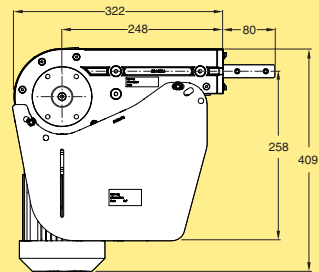
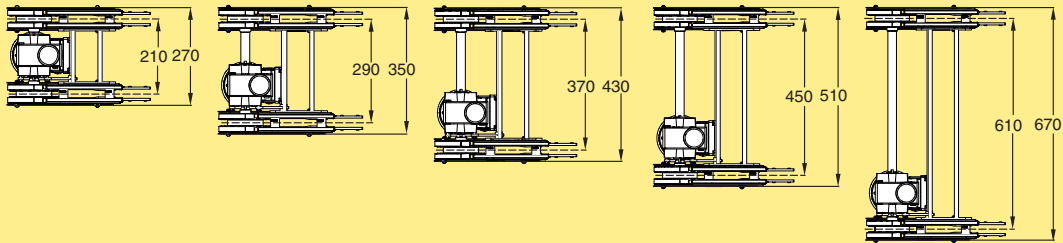
Minimum clearance distance

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



End drive unit L/R		CC
		X45 XS X65 X65P X85 X85P XH XK XKP X180 X300
End drive unit, configured item* Fixed speed: 5- 10- 15- 20 m/min* Pallet width 240, 320, 400, 480, 640 mm		GR CS
XTEB DD		
End drive unit, without motor Pallet width 240 mm Transmission on left side Transmission on right side		XT
XTEB 0 LNPD210 XTEB 0 RNPD210		HU
End drive unit, without motor Pallet width 320 mm Transmission on left side Transmission on right side		WL
XTEB 0 LNPD290 XTEB 0 RNPD290		WK
End drive unit, without motor Pallet width 400 mm Transmission on left side Transmission on right side		XC
XTEB 0 LNPD370 XTEB 0 RNPD370		XF
End drive unit, without motor Pallet width 480 mm Transmission on left side Transmission on right side		XD
XTEB 0 LNPD450 XTEB 0 RNPD450		ELV
End drive unit, without motor Pallet width 640 mm Transmission on left side Transmission on right side		CTL
XTEB 0 LNPD610 XTEB 0 RNPD610		FST
* Use online configurator when ordering Effective track length: 2x0,80 m		TR

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

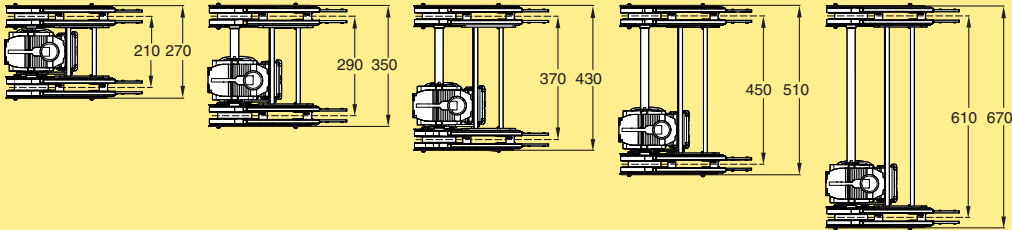
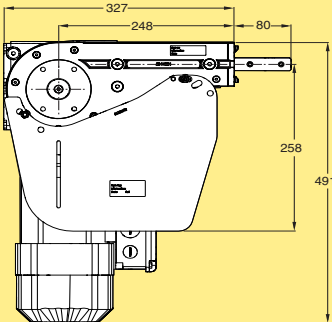
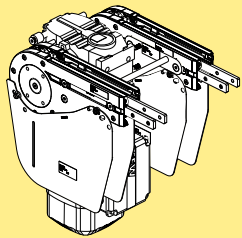
End drive unit, without motor
Pallet width 480 mm

XTEB 0 MNPD450

End drive unit, without motor
Pallet width 640 mm

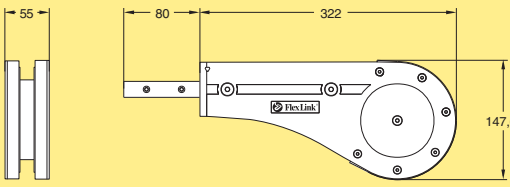
XTEB 0 MNPD610

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

End drive unit		CC
		X45
		XS
		X65
End drive unit, configured item* Fixed speed: 5- 10- 15- 20 m/min* Pallet width 240, 320, 400, 480, 640 mm		X65P
XTEB DD		X85
End drive unit, without motor Pallet width 240 mm		X85P
XTEB 0 HMNPD210		XH
End drive unit, without motor Pallet width 320 mm		XK
XTEB 0 HMNPD290		XKP
End drive unit, without motor Pallet width 400 mm		X180
XTEB 0 HMNPD370		X300
End drive unit, without motor Pallet width 480 mm		GR
XTEB 0 HMNPD450		CS
End drive unit, without motor Pallet width 640 mm		XT
XTEB 0 HMNPD610		HU
* Use online configurator when ordering Effective track length: 2x0,80 m		WL
		WK
		XC
		XF
		XD
		ELV
		CTL
		FST
		TR
		APX
		IDX

Idler end unit

Idler end unit XT



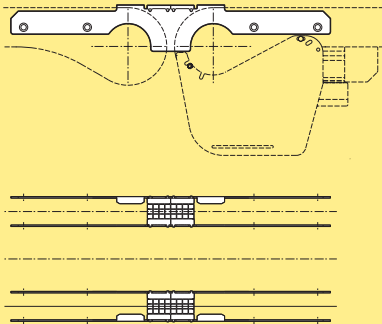
Idler end unit (single)
Length 320 mm

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



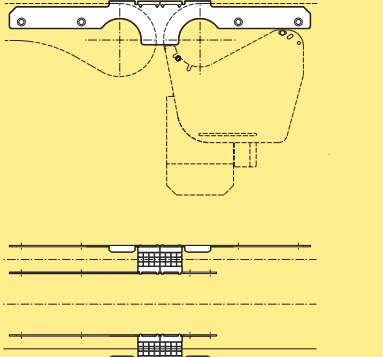
Connecting kit, one pair

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



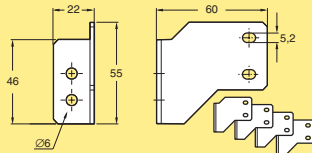
Connecting kit, one pair

5050564

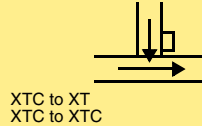
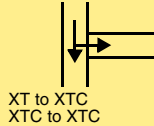
For in-line transfer from drive unit with mid-mounted motor.

XT to XT (Not for use with XTC)

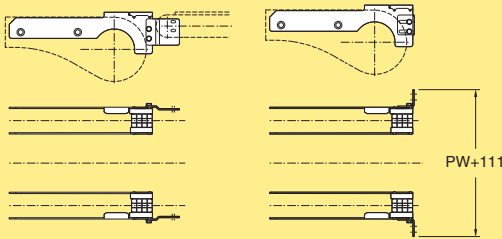
Connecting kit, end-to-side/side-to-end



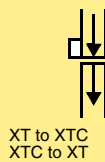
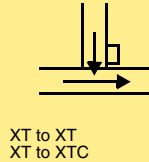
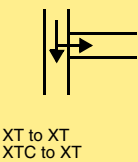
Connecting kit (four brackets) **5050034**
Including mounting hardware.



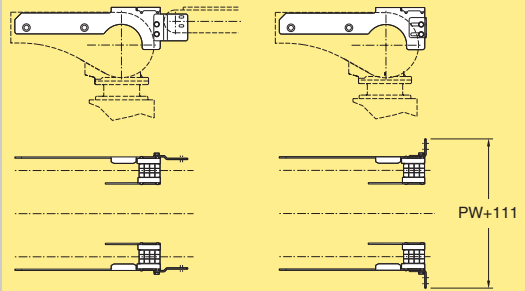
Connecting kit, end-to-side/end-to-end



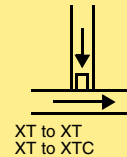
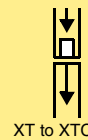
Connecting kit, one pair **5053199**
For in-line or perpendicular transfer from drive unit with side-mounted motor (left/right). Including brackets for both alternatives..



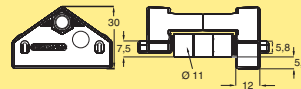
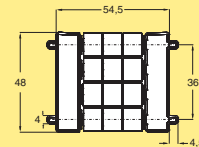
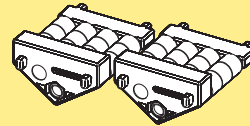
Connecting kit, end-to-side/end-to-end



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



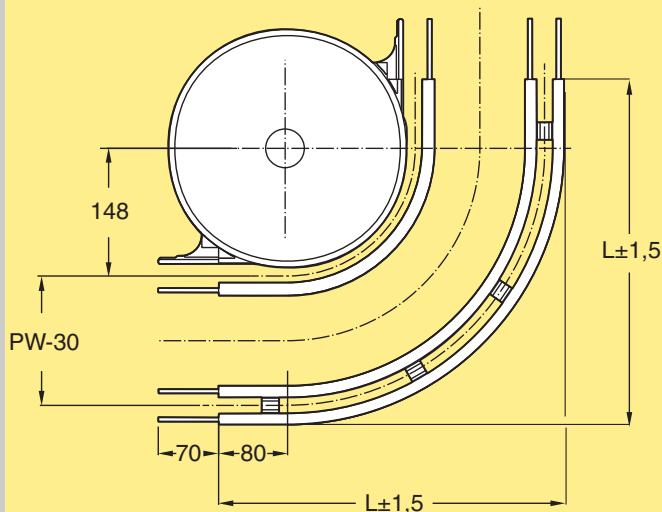
Roller bridge, (pair) spare parts



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

Wheel bends and Plain bends

Wheel bend XT and Plain bends, 90°



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

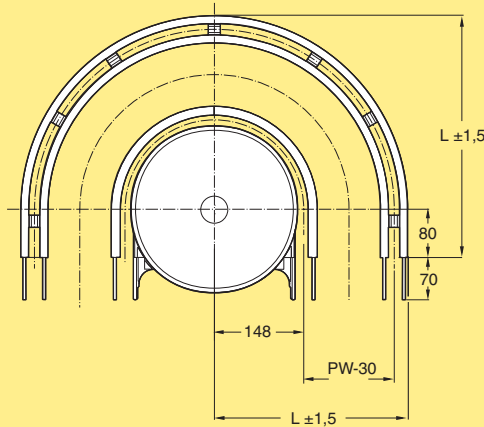
XTBP 90R598

Effective track lengths: R758: 1,3 m, PW 640

XTBP 90R758

Connecting strips are included.

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

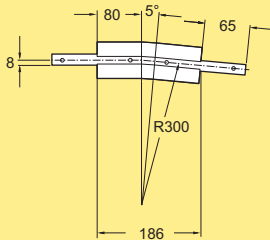
Effective track lengths: R758: 2,5 m, PW 640

XTBP 180R758

Connecting strips are included.

Vertical bend

Vertical bend, 5°



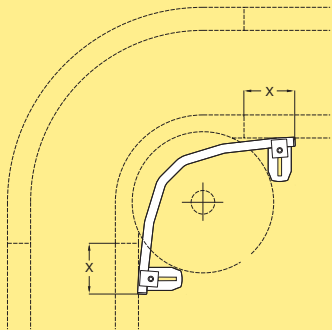
Vertical bend, 5°

XTBV 5R300

Effective track lengths: 0,19 m

Connecting strips are included.

Inner guide rail for 90° bend

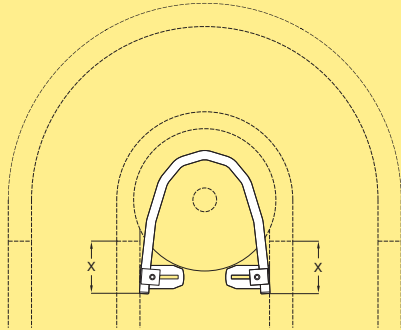


Inner guide rail for 90° bend

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

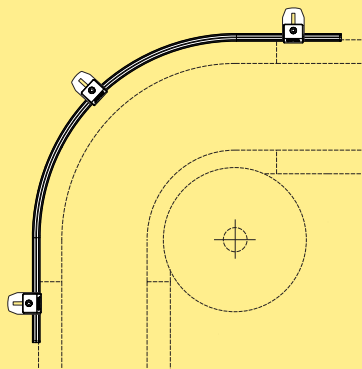


Inner guide rail for 180° bend

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.

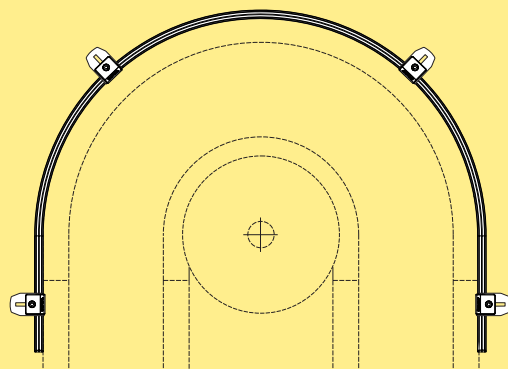
Outer guide rail kit for 90° bend



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
<i>Attachment kit included.</i>	

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
<i>Attachment kit included.</i>	

XT support modules

Support modules S01A/S02A/S03A/S04

Support module for single conveyor module

Support module

XTUF S01A

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

Support module for two parallel conveyor modules

Support module

XTUF S02A

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

Support module for conveyor modules at two levels

Support module

XTUF S03A

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

Support module for wheel bends

Support module

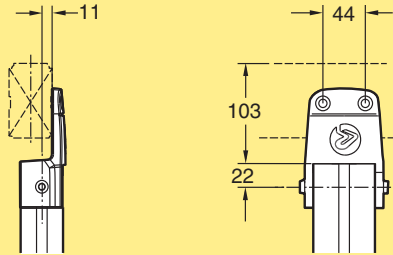
XTUF S04

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

Note.

Two types of beam support brackets are used in the modules: type 5052899 and type XLCS 64. The brackets are also available separately. See “Support brackets” on page 387.

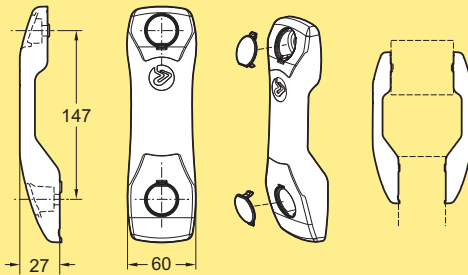
Beam support bracket for XT



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

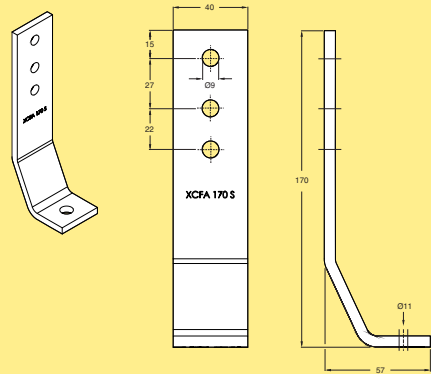
Cannot be used with drip trays

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

XCF A 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.

CC

X45

XS

X65

X65P

X85

X85P

XH

XK

XKP

X180

X300

GR

CS

XT

HU

WL

WK

XC

XF

XD

ELV

CTL

FST

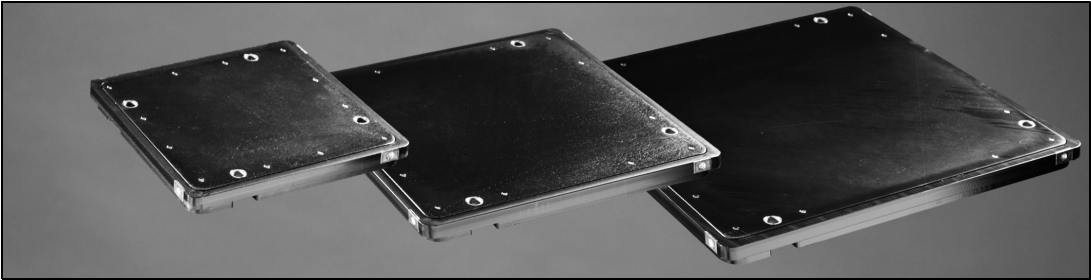
TR

APX

IDX

XT Pallet function

Pallets



Introduction

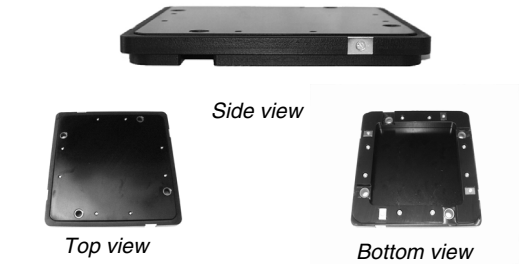
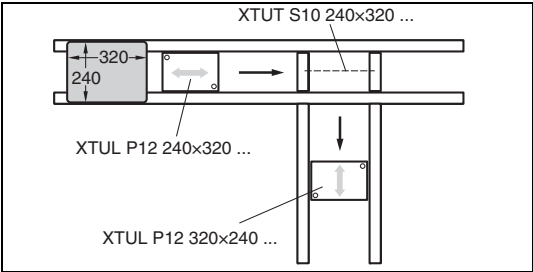
Ten pallet sizes are available:

- 240 × 240 mm
- 240 × 320 mm
- 320 × 320 mm
- 320 × 400 mm
- 400 × 400 mm
- 400 × 480 mm
- 400 × 640 mm
- 480 × 480 mm
- 480 × 640 mm
- 640 × 640 mm

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

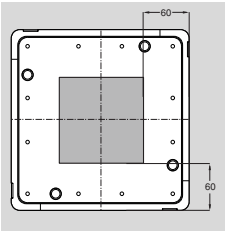
Pallet width (PW) × pallet length (PL)

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



Pallet loading

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



Technical specifications

- Maximum load on the pallet is 8 kg per 100 mm of pallet length (PL).
- Friction between pallet and chain, $\mu_p = 0,3$ (under normal conditions).
- The table below shows maximum pallet load for each pallet size.

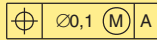
Size (PW × PL)	Pallet weight (kg)	Max load on pallet (kg)
240 × 240 mm	2,6	17
240 × 320 mm	3,5	22
320 × 240 mm	3,5	16
320 × 320 mm	4,4	22
320 × 400 mm	5,5	24
400 × 320 mm	5,5	20
400 × 400 mm	6,8	23
400 × 480 mm	8,2	22
400 × 640 mm	10,8	19
480 × 400 mm	8,2	22
480 × 480 mm	9,8	20
480 × 640 mm	13,0	17
640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

Pallet PW×PL

Ø12 H7 (4x)



*

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

Frame section kit 320 mm

Frame section kit 400 mm

Frame section kit 480 mm

Frame section kit 640 mm

5056945

5056950

5056938

5056940

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 Ø16 mm holes.

Stop function



D = D00



D = D01



D = D02

Stop function*

XTUS P11

Singles 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 390 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

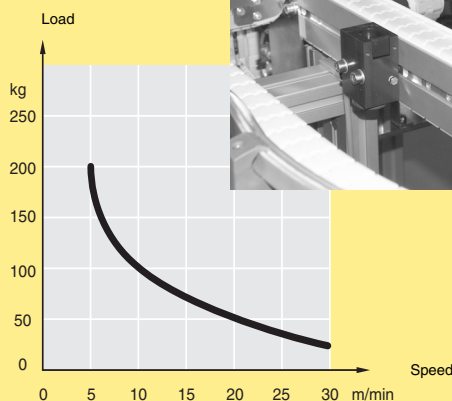
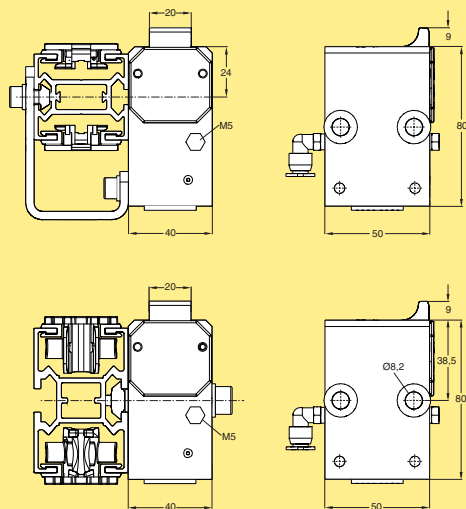
Part list for XTUS P11			
Stop function module P11	D00=No damping		
	Item number	Name	Qty
XTUS P11	(5055686)	Part list for XTUS P11	1
	- XTPB V002	Sensor bracket (see Page 395)	1
	- XTPB V001	Sensor bracket (see Page 395)	2
	- XTPD U200	Pallet stop, undamped (see Page 391)	2
	5055955	Side support (see Page 393)	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 395)	1
	- XTPB V001	Sensor bracket (see Page 395)	2
	- XTPD D35	Pallet stop, damped (see Page 392)	2
	5055955	Side support (see Page 393)	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 395)	2
	- XTPD D35	Pallet stop, damped (see Page 392)	1
	- XTPB V001	Sensor bracket (see Page 395)	1
	- XTPD D100	Damped stop (see Page 392)	1
	5055955	Side support (see Page 393)	1

Pallet stop devices

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:

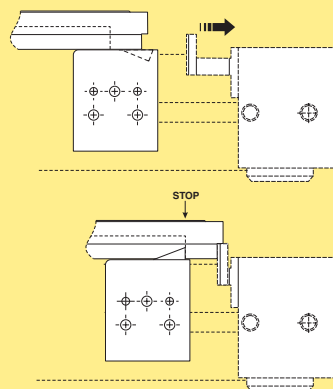
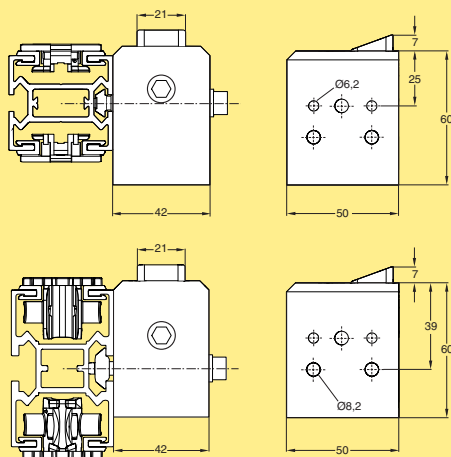
Open: pneumatically. Close: spring-loaded.

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



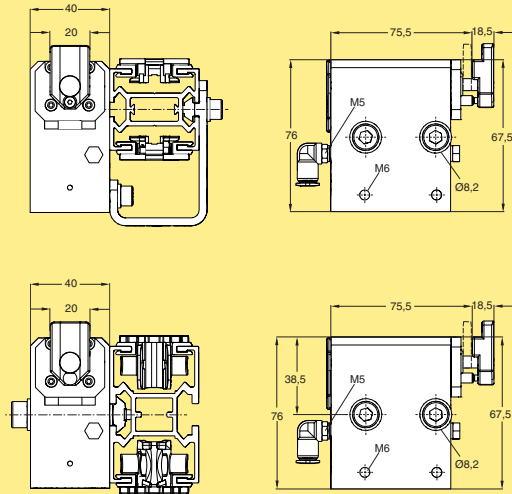
Stop XTPD UR prevents the pallet from sliding backwards.

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.

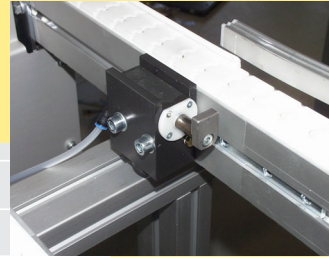
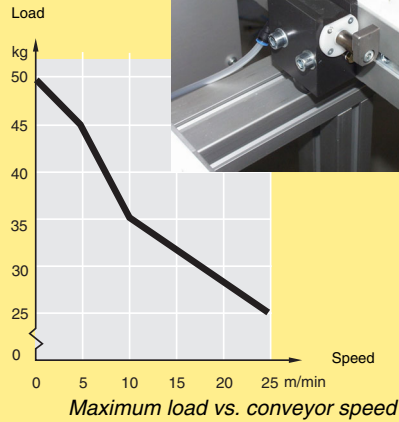
Pallet stop device, damped



Damped stopper, 0–35 kg

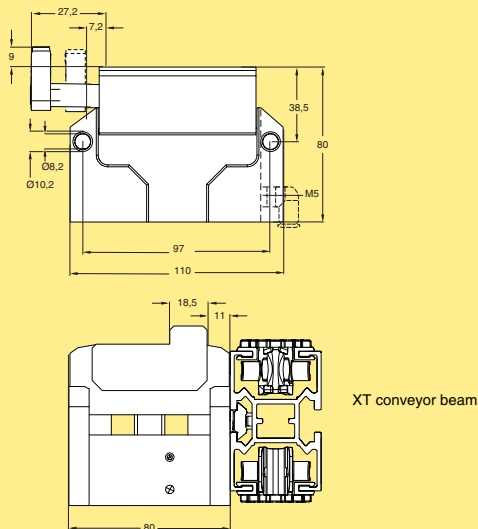
XTPD D35

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.

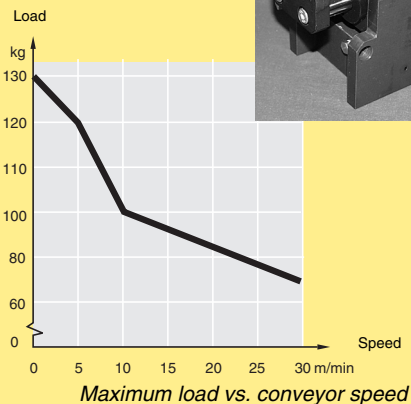
Pallet stop device, damped



Damped stopper, 0–100 kg

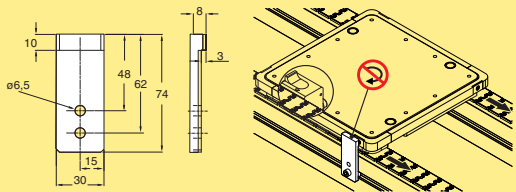
XTPD D100

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.

Side support for pallet stop

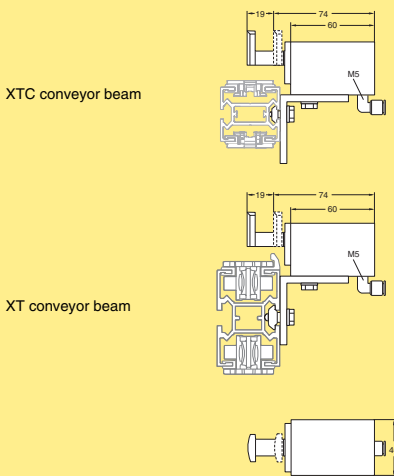


Side support **5055955**

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.

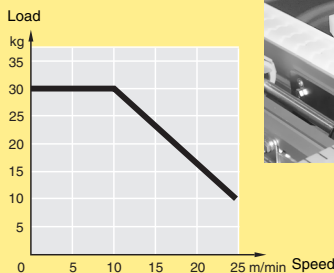
Dampers

Damper, parallel to main



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.

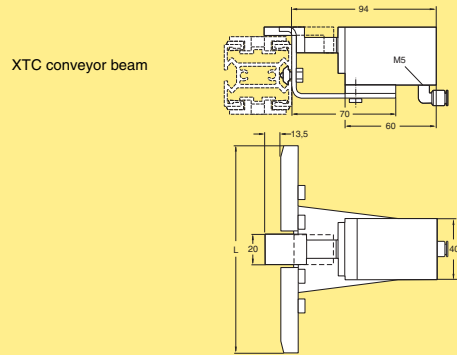


Maximum load vs. conveyor speed

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

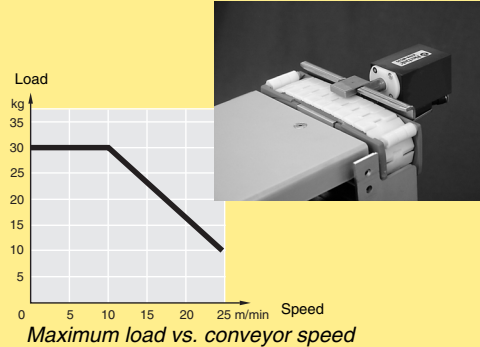


Damper, main to parallel



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

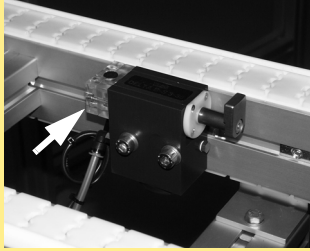
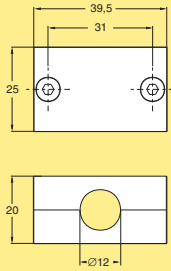
Air connection: 6 mm outside diameter tubing

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.

Sensor bracket Type V001

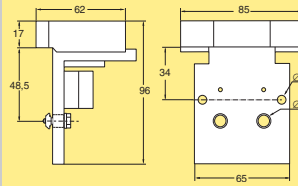


Vertical sensor bracket

XTPB V001

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

Sensor bracket Type V003

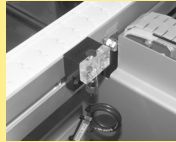
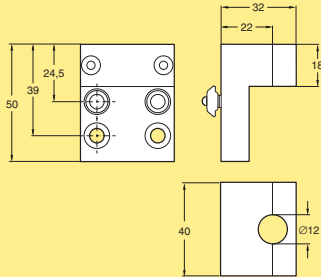


Vertical position sensor bracket

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 Ø12 mm proximity switch. Mounting hardware is included in the delivery. Proximity switch is not included.

Sensor bracket Type V002

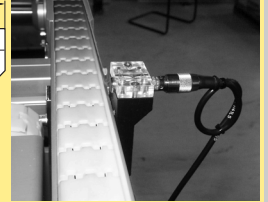
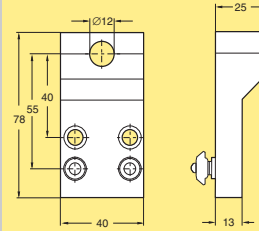


Vertical sensor bracket

XTPB V002

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

Sensor bracket Type H001



Horizontal sensor bracket

XTPB H001

The sensor bracket holds a Ø12 mm horizontal proximity switch and is mounted on the outside of the beam of an XT or XTC conveyor. Mounting hardware is included in the delivery. Proximity sensor is not included. The horizontal proximity sensor (Ø12 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: $8 \text{ mm} \times 0,81^*$. Useful sensing range = $0,81 \times \text{nominal sensing range}$.

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 397, 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 397, 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 397, parts included in module)*

Motor

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

Included in the delivery:

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

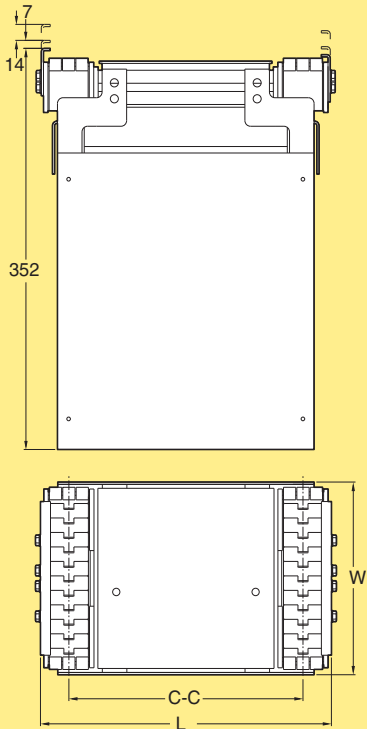
Part list for XTUT S10 A, XTUT S11 A and XTUT S12 A

D00=No Damping				D01=Damping			
Item number	Name	Qty	Transfer modules	Item number	Name	Qty	
XTPT PWxPL	Pneumatic transfer, see page 398, page 399 and page 400.	1	XTUT S10 A TYPE M1, M2, L	XTPT PWxPL	Pneumatic transfer, see page 398, page 399 and page 400.	1	
-(5055317)	Part list for XTUT S10 A	1		-(5055318)	Part list for XTUT S10 A	1	
-- XTPB V002	Sensor bracket (see Page 395)	1		-- XTPB V002	Sensor bracket (see Page 395)	1	
-- XTPB V003	Sensor bracket (see Page 395)	2		-- XTPB V003	Sensor bracket (see Page 395)	2	
-- XTPD U200	Pallet stop, undamped (see Page 391)	1		-- XTPD D35	Pallet Stop, damped (see Page 392)	1	
-5055955	Side support (see Page 393)	1		-- XTPA MC35 PW A	Damper (see Page 393)	1	
				-5055955	Side support (see Page 393)	1	

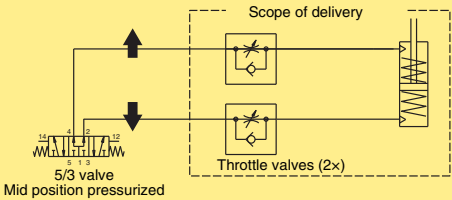
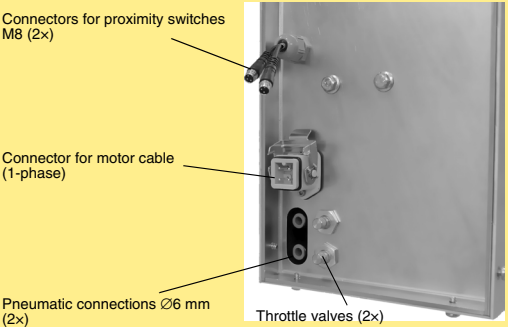
D00=No Damping				D01=Damping			
Item number	Name	Qty	Transfer modules	Item number	Name	Qty	
XTPT PWxPL	Pneumatic transfer, see page 398, page 399 and page 400.	1	XTUT S11 A Type M1, M2, L	XTPT PWxPL	Pneumatic transfer, see page 398, page 399 and page 400.	1	
-(5055319)	Part list for XTUT S11 A	1		-(5055320)	Part list for XTUT S11 A	1	
-- XTPB V003	Sensor bracket (see Page 395)	1		-- XTPB V003	Sensor bracket (see Page 395)	1	
				-- XTPA CM35	Damper (see Page 393)	1	

D00=No Damping				D01=Damping			
Item number	Name	Qty	Transfer modules	Item number	Name	Qty	
XTPT PWxPL	Pneumatic transfer, see page 398, page 399 and page 400.	1	XTUT S12 A Type M1, M2, L	XTPT PWxPL	Pneumatic transfer, see page 398, page 399 and page 400.	1	
-(5055321)	Part list for XTUT S12 A	1		-(5055322)	Part list for XTUT S12 A	1	
-- XTPB V002	Sensor bracket (see Page 395)	1		--XTPB V002	Sensor bracket (see Page 395)	1	
-- XTPB V003	Sensor bracket (see Page 395)	2		--XTPB V003	Sensor bracket (see Page 395)	2	
-- XTPD U200	Pallet stop, undamped (see Page 391)	1		-- XTPD D35	Pallet Stop, damped (see Page 392)	1	
-5055955	Side support (see Page 393)	1		-- XTPA CM35	Damper (see Page 393)	1	
				5055955	Side support (see Page 393)	1	

Pneumatic transfer Type M1



Transfer unit	Type	240 V 50 Hz motor	115 V 60 Hz motor
XTPT 240x240-...	M1	S8R25GX-T1	S8R25GE-T1
XTPT 240x320-...	M1	S8R25GX-T1	S8R25GE-T1
XTPT 320x240-...	M1	S8R25GX-T1	S8R25GE-T1



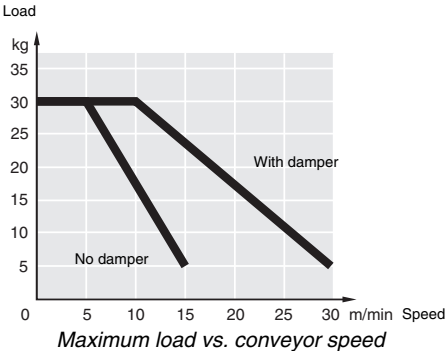
Pneumatic transfer Type M1*
Standard chain, 50 Hz **XTPT PW×PL-01**
Standard chain, 60 Hz **XTPT PW×PL-02**
Conductive chain, 50 Hz **XTPT PW×PL-03**
Conductive chain, 60 Hz **XTPT PW×PL-04**

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

*For the following pallet sizes (PW×PL):
240x240: C-C=210, W=169, L=259
240x320: C-C=290, W=169, L=339
320x240: C-C=210, W=249, L=259

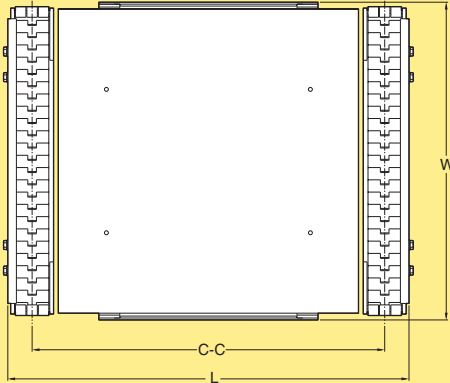
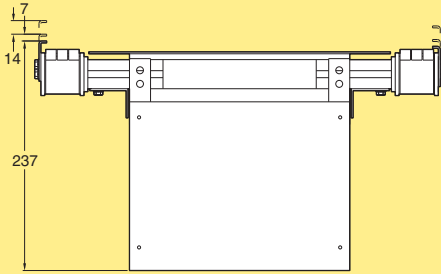
Motor cable connector

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



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

Pneumatic transfer Type M2



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

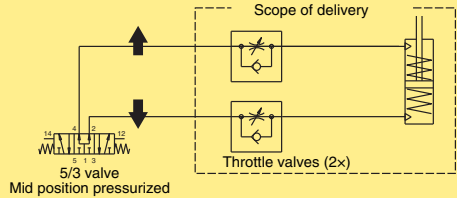
Transfer unit	Type	240 V 50 Hz motor	115 V 60 Hz motor
XTPT 320×320-...	M2	S9R40GXH-T	S9R40GEH-T
XTPT 320×400-...	M2	S9R40GXH-T	S9R40GEH-T
XTPT 400×320-...	M2	S9R40GXH-T	S9R40GEH-T
XTPT 400×400-...	M2	S9R40GXH-T	S9R40GEH-T
XTPT 400×480-...	M2	S9R40GXH-T	S9R40GEH-T
XTPT 400×640-...	M2	S9R40GXH-T	S9R40GEH-T

Connector for motor cable (1-phase)

Connectors for proximity switches M8 (2x)

Throttle valves (2x)

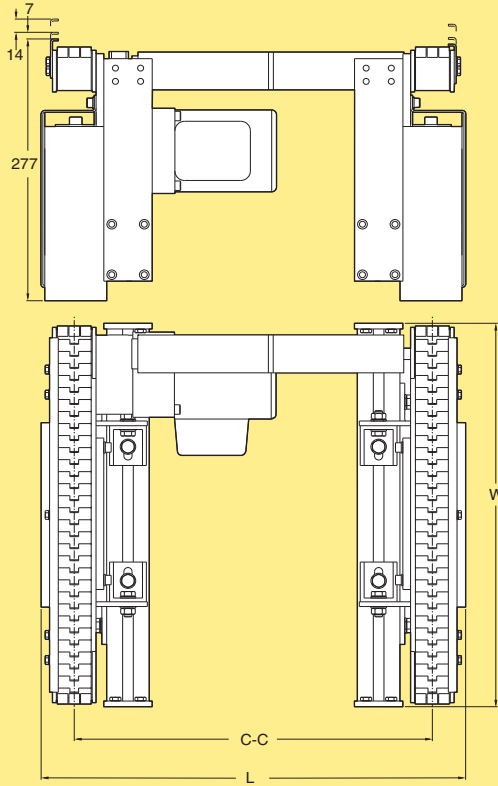
Pneumatic connections Ø6 mm (2x)



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



Pneumatic transfer Type L*

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

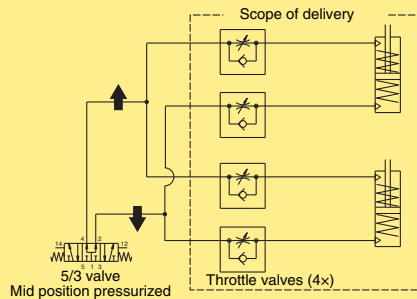
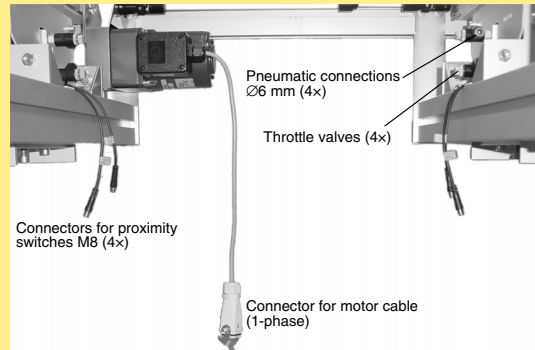
XTPT PW×PL-01
XTPT PW×PL-02
XTPT PW×PL-03
XTPT PW×PL-04

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

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

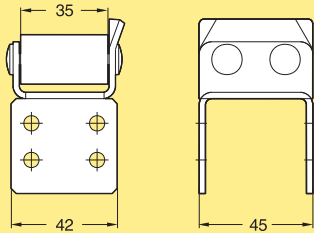


Motor cable connector

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

Roller kits

Roller kit 45 mm



Roller kit 45 mm

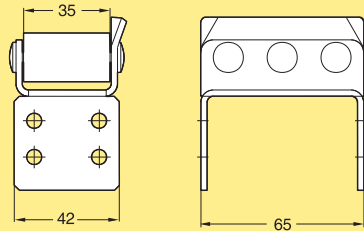
5050117

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

P0
CC
X45
XS
X65
X65P
X85
X85P
XH
XK
XKP
X180
X300
GR
CS
XT
HU
WL
WK
XC
XF
XD
ELV
CTL
FST
TR
APX
IDX

Locating function module P11 A

Option F00

D = D00

D = D01

D = D02

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 $\pm 0,05$ mm.

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

* Use online configurator when ordering
(Part list see Page 403, 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.

Locating function module P11 A

Option F01

D = D00

D = D01

D = D02

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 $\pm 0,05$ 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 403, parts included in module)

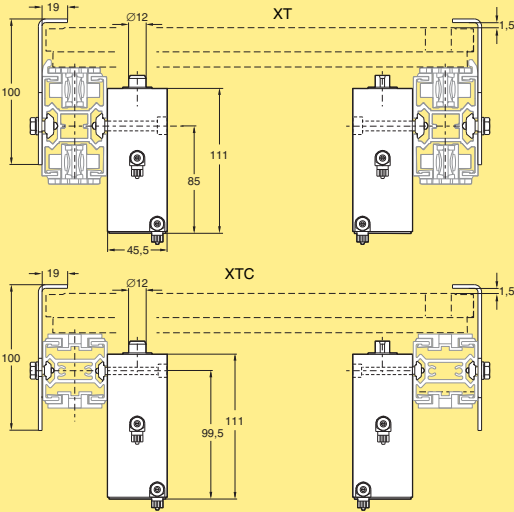
Part list for Locating function module XTUL P11 A

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 395)	1
X	X	- XTPB V001	Sensor bracket (see Page 395)	2
X	X	- XTPD U200	Pallet stop, undamped (see Page 391)	2
X	X	5055955	Side support (see Page 393)	1
	X	5055802	Lift unit kit (see Page 404)	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 395)	1
X	X	- XTPB V001	Sensor bracket (see Page 395)	2
X	X	- XTPD D35	Pallet stop, damped (see Page 392)	2
X	X	5055955	Side support (see Page 393)	1
	X	5055802	Lift unit kit (see Page 404)	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 395)	2
X	X	- XTPD D35	Pallet stop, damped (see Page 392)	1
X	X	- XTPB V001	Sensor bracket (see Page 395)	1
X	X	- XTPD D100	Damped stop (see Page 392)	1
X	X	5055955	Side support (see Page 393)	1
	X	5055802	Lift unit kit (see Page 404)	1

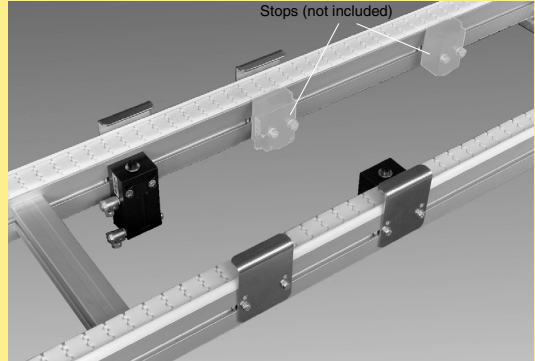
Pallet locating station



Locating station

XTPX P11 A

See chapter See "Locating function module P11 A" on page 402. for information about the locating function module.



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: 2x6 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.

Lift unit kit

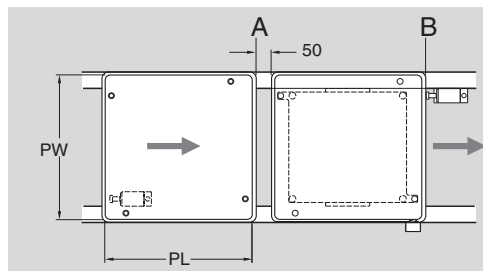


Lift unit kit

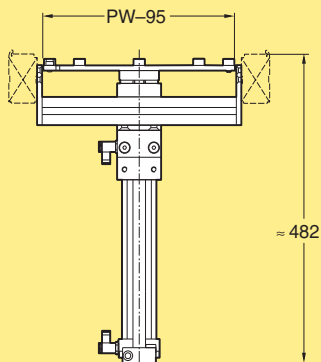
5055802

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

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



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 406, 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: $\pm 0,05$ 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 391)	2
	XTPB V001	Sensor bracket (see Page 395)	2
	XTPB H001	Sensor bracket (see Page 395)	1
	5055955	Side support (see Page 393)	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 395)	2
	XTPD D35	Pallet stop, damped (see Page 392)	2
	XTPB H001	Sensor bracket (see Page 395)	1
	5055955	Side support (see Page 393)	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 392)	1
	XTPD D100	Pallet stop, damped (see Page 392)	1
	XTPB V001	Sensor bracket (see Page 395)	1
	XTPB V002	Sensor bracket (see Page 395)	1
	XTPB H001	Sensor bracket (see Page 395)	1
	5055955	Side support (see Page 393)	2