

# Product overview

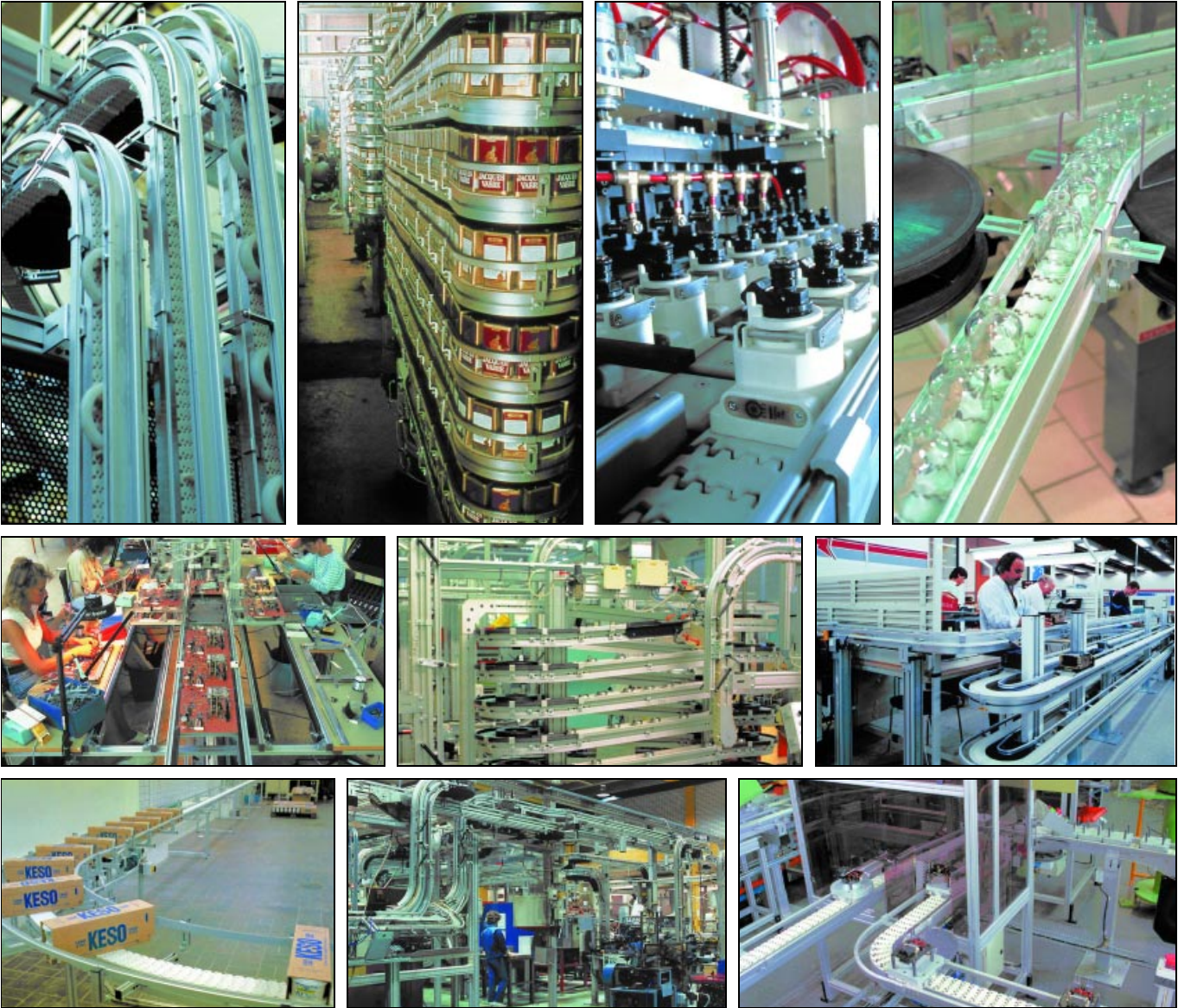
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# FlexLink – the company

## The FlexLink business concept



### First choice for easier automation

FlexLink Systems – the world's leading supplier of flexible plastic chain conveyor systems, bases its operations on the following visionary business concept:

*“We will continue to develop our leading position in the flexible plastic chain conveyor market by satisfying the needs of the world's most demanding customers through a global network providing expertise, reliable deliveries and outstanding overall service.”*

The words “leading”, “flexible”, “demanding”, “global” and “expertise” characterize the philosophy that has enabled FlexLink Systems to establish a track record of providing high quality products and service to its customers.

### Services, products, and applications

The following services and products are offered to the market:

- Conveyor components
- Other automation components
- Component kits and modules
- Conveyor and automation systems
- Turn-key systems through system builders
- Training
- Service contracts
- World-wide service
- Scrap recycling



# Conveyor systems

Chain widths from 44 mm to 1200 mm



Large FlexLink installation at Kungsörnen macaroni factory

## FlexLink standard conveyors

Together, the FlexLink standard conveyor product lines cover a wide range of applications. Multiflexing conveyor systems XS, XL, XM, XH, XK, and XB use plastic chains in many configurations. The chain design permits horizontal as well as vertical change of direction. Chain widths range from 44 mm up to 175 mm, for product widths up to 400 mm. Each system consists of a wide range of modular components which can be fitted using simple hand tools.

Conveyor structures built from aluminium beams with standardized T-slots simplify attachment of components and accessories.

## Series C wash-down conveyor systems

XM and XH conveyors Series C are designed without T-slots for customers with wash down applications and high demands on hygiene. Standard FlexLink plastic chains are used.

## Series X stainless steel conveyor systems

XL, XM and XH conveyors Series X are stainless steel designs adapted to the requirements of the food processing, pharmaceutical and hygiene industries. Standard FlexLink plastic chains are used.

## Wide chain conveyor system XW

Accumulation table system XW is a wide straight-running plastic chain conveyor for transport and accumulation. Chain widths up to 1200 mm are possible.

## Pallet handling products

Catalogue section *Pallet handling systems (XL/XM/XK)* contains special products for pallet handling, including pallets, pallet locating stations, pallet stop cylinders and pallet transfer stations. The XK pallet handling system also includes divert/merge devices for easy transfer of pallets between conveyors.

## Modular pallet conveyor system XT

The latest addition to the FlexLink product assortment is the modular twin-track pallet conveyor system XT. This system is well suited for manual and automatic assembly and test systems in the automotive and electrical/electronics industries.

## Guide rail components

Catalogue section *Guide rail components* deals with various types of guide rails and guide rail support components. Those products are used with several of the FlexLink conveyor systems. A number of pre-designed guide rail structures are shown as examples.

## Conveyor support components

The FlexLink conveyors are held in place by a well-balanced range of support components, with beam support brackets, support beams, feet, etc.

A number of pre-designed support structures are shown as examples.

# Conveyor systems

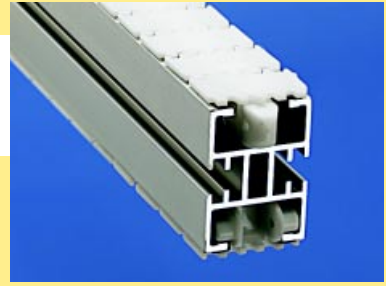
## Conveyor system XS (chain width 44 mm)

### Features

Chain permits transport of very small items which are otherwise difficult to handle. Compact and neat design

### Examples of application areas

Small ball bearings, perfume bottles, pharmaceutical bottles, sintered metal components



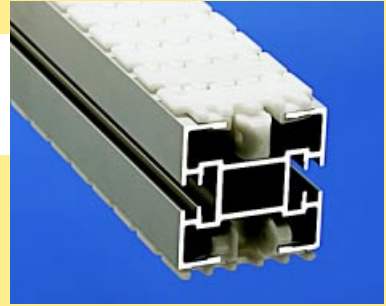
## Conveyor system XL (chain width 63 mm)

### Features

Suitable for a wide range of applications. Preferable in high speed applications. Includes components for pallet handling and vertical wedge conveyors

### Examples of application areas

Tissue paper, gear wheels, aerosol cans, medium size ball bearings, piston parts, yoghurt, fuel injectors, dry batteries, plastic bottles, tape cassettes, matches, cheese boxes, coffee and tea packages



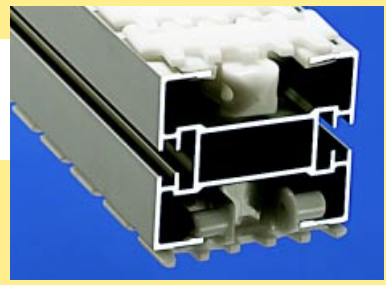
## Conveyor system XM (chain width 83 mm)

### Features

Suitable for a wide range of applications. Higher capacity than XS and XL. Includes components for pallet handling and vertical wedge conveyors

### Examples of application areas

Ball valves, water meters, disk drives, pie packages, film cartridges, plastic bottles, beverage cans, products on pallets, paint cans, socks



## Conveyor system XH (chain width 103 mm)

### Features

Suitable for larger items, especially if point of balance is somewhat offcenter. Higher capacity than XS and XL

### Examples of application areas

Large ball bearings, turbo rotors, safety belt brackets, electric motors, shock absorbers, video cassettes, steering arm components, boxes



## Conveyor system XK (chain width 102 mm)

### Features

Suitable for larger items, especially if point of balance is somewhat offcenter. Higher capacity than other types. Includes components for pallet handling

### Examples of application areas

Ball and roller bearings, heavy boxes, gear wheels, motor parts on pallets, disk brakes, hydraulic pumps



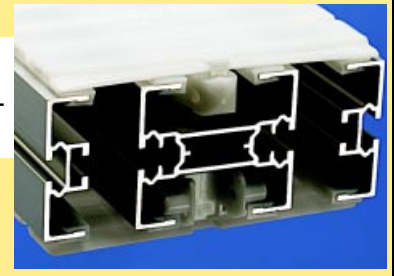
### Conveyor system XB (chain width 175 mm)

#### Features

Chain travels on four slide rails. Wide track sideflexing safety chain. Compact horizontal and vertical bends. Suitable for soft packages

#### Examples of application areas

Large cardboard boxes, products in soft plastic bags. Examples: detergent powder, wrapped tissue paper rolls, food products, personal care products



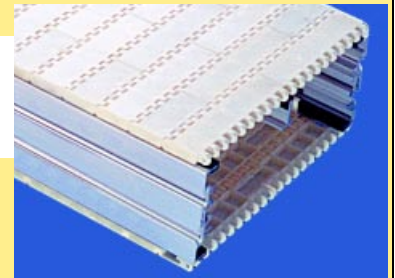
### Wide chain conveyor system XW (chain width 300–1200 mm)

#### Features

Straight-running. Very wide conveyors possible. Modular chain width. Minimal gaps between chains for side transfers. High capacity accumulation table.

#### Examples of application areas

Pet bottles, hygiene products, glass bottles, bearings, plastic containers. Examples: detergent powder, wrapped tissue paper rolls, food products, personal care products



### Wash-down conveyor system Series C (chain widths 83/103 mm)

#### Features

Split beams without T-slots, open at centre for easy cleaning. Drive units/idlers with stainless steel bearings and hardware. Standard XM and XH chains

#### Examples of application areas

Baby milk powder, chocolate bars, detergent powder, tissue paper rolls, food products, personal care products.



### Stainless steel conveyor system Series X (chain widths 63/83/103 mm)

#### Features

Split beams in stainless steel for easy cleaning and high resistance to aggressive liquids and chemicals. Matching drive units, idlers and guide rail and support components. Standard XL, XM, and XH chains

#### Examples of application areas

Aerosol cans, liquid soap in plastic bags, soft cheese, detergent powder, tissue paper rolls, food products, personal care products.



### Modular twin-track conveyor system XT

#### Features

Twin-track flexible plastic chain pallet conveyor system. Modular design concept for simplified engineering and ordering. Fast configuration and plug-and-play capability for improved productivity. Concept is based on functions rather than components.

#### 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 data summary

Data of goods conveyed				Conveyor data		
FlexLink type	Item width	Maximum item weight (horizontal transport)	Maximum item weight (vertical transport)	Maximum weight on conveyor	Maximum conveyor length	Maximum pallet size
XS	10–80 mm	2 kg	1 kg	150 kg	30 m	–
XL	15–140 mm 30–300 mm*	10 kg 1 kg	2 kg 1 kg*	150 kg 80 kg*	40 m 8 m*	100×100 mm
XM	20–200 mm 40–300 mm*	15 kg	10 kg 2 kg*	200 kg 80 kg	30 m 8 m*	150×250 mm
XH	25–300 mm	20 kg	15 kg	150–300 kg	30 m	–
XK	50–300 mm	30 kg	15 kg	800 kg	40 m	300×300 mm
XB	70–400 mm	15 kg	–	200 kg	30 m	–
XW	25–300 mm	25 kg	–	–	–	–
XT	–400 mm	30 kg	–	250 kg	25 m	400×400 mm

\*Applies to vertical wedge conveyor.

## Guide to the data summary

### Item width

The maximum width of the goods conveyed depends on the shape of the goods and on the location of the centre of gravity.

### Maximum weight (horizontal transport)

In a horizontal conveyor, the maximum weight of the individual products conveyed is limited mainly by the desire to keep wear of the slide rails at an acceptable level.

### Maximum weight (vertical transport)

In a conveyor with cleated links for vertical transport, the maximum weight of the individual products is limited by the strength of the cleats and the life of the slide rails.

### Maximum weight on conveyor

The total maximum weight is mainly limited by the drive unit capacity and by the tensile strength of the chain.

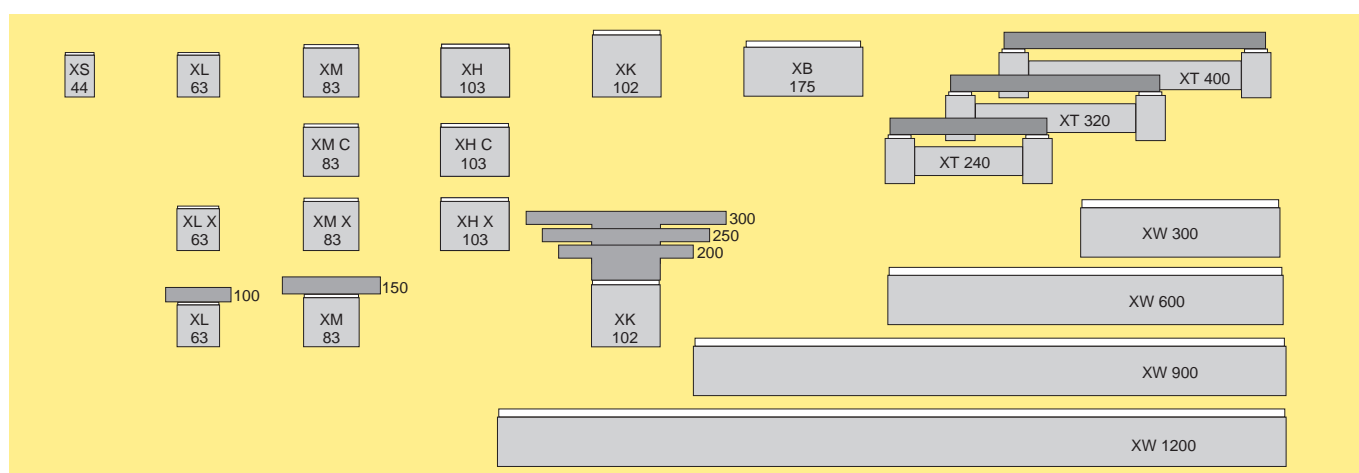
### Conveyor length/speed range

The maximum conveyor length and speed depends on the total load and on the drive unit capacity

### Series C and Series X conveyors

The specifications in the data summary are valid for standard FlexLink conveyors as well as for Series C and Series X conveyors.

## Conveyor comparison chart



Simplified end views of FlexLink conveyor product drawn to the same relative scale. Numeric values are widths in millimetres.

Legend: Light grey: conveyor beams. Dark grey: pallets. White: chain. XL/XM/XH X: stainless steel conveyor. XM/XH C: washdown conveyor.

# Multiflexing conveyor components



*Feet and support beams*



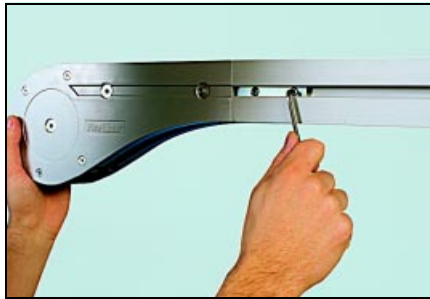
*Beam support brackets*



*Conveyor beams and bends*



*Drive units*



*Idlers*



*Slide rail*



*Conveyor chain*



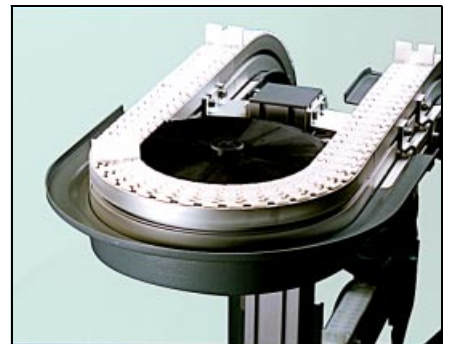
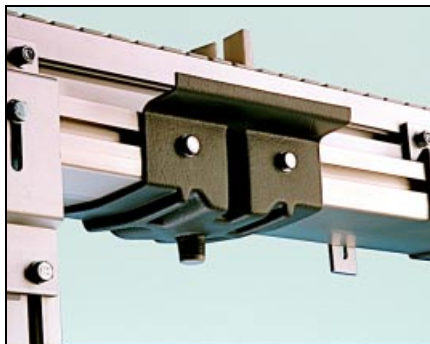
*Guide rail brackets*



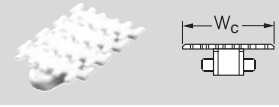


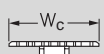
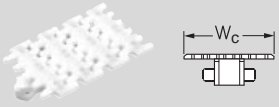
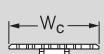
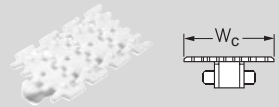
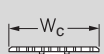

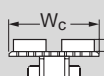
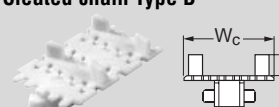
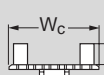

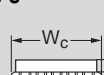

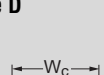

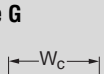




*Guide rails*



*Drip trays and drip pans*

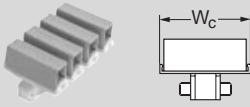

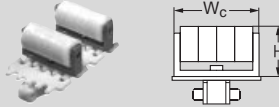


# Chain products

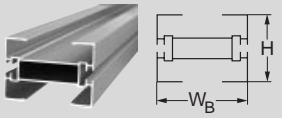
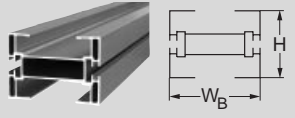
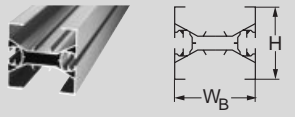
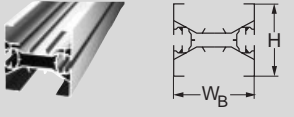
Product	XS	XL	XM	XH	XK
<b>Plain chain</b> 	<b>XSTP 5</b>	<b>XLTP 5</b>	<b>XMTP 5</b>	<b>XHTP 5</b>	<b>XKTP 5</b>
 $W_c$ mm	44	63	83	103	102
<b>Steel top chain</b> 		<b>XLTP 5 TF</b>	<b>XMTP 5 TF</b>	<b>XHTP 5 TF</b>	<b>XKTP 5 TF</b>
 $W_c$ mm		63	83	103	102
<b>Friction top chain</b> 		<b>XLTP 5 F...</b>	<b>XMTP 5 F...</b>	<b>XHTP 5 F...</b>	
 $W_c$ mm		63	83	103	
<b>Universal chain</b> 			<b>XMTE 5 U...</b>		<b>XKTE 5 U...</b>
 $W_c$ mm			83		102
<b>Cleated chain Type A</b> 		<b>XLTF 5x* A...</b>	<b>XMTE 5x* A...</b>	<b>XHTF 5x* A...</b>	<b>XKTE 5x* A...</b>
 $W_c$ mm $H$ mm		63	83	103	102
		*4/5.5/9/12/17/30	*15/30	*15/20/30/40	*15/20/30/40
<b>Cleated chain Type B</b> 		<b>XLTF 5x12 B...</b>			
 $W_c$ mm $H$ mm		63			
		12			
<b>Cleated chain Type C</b> 		<b>XLTF 5x* C...</b>			
 $W_c$ mm $H$ mm		63			
		*12/15/30			
<b>Cleated chain Type D</b> 	<b>XSTF 5x* D...</b>				
 $W_c$ mm $H$ mm	44				
		*3/5.5/9/27			
<b>Cleated chain Type G</b> 	<b>XSTF 5x* G...</b>				
 $W_c$ mm $H$ mm	44				
		*3/5/9			
<b>Flexible cleat chain Type B</b> 			<b>XMTE 5 B</b>		
 $W_c$ mm			83		
<b>Flexible cleat chain Type C</b> 			<b>XMTE 5 C</b>		
 $W_c$ mm			83		



## Chain products (continued)

Product	XS	XL	XM	XH	XK
<b>Flexible cleat chain Type D</b>		<b>XLTE 5 D</b>	<b>XMTE 5 D</b>		
	$W_c$ mm	63	83		
<b>Roller top chain</b>		<b>XLTR 5</b>	<b>XMTR 5</b>	<b>XHTR 5</b>	
	$W_c$ mm	63	83	103	
<b>Roller cleat chain</b>			<b>XMTF 5×* R...</b>	<b>XHTF 5×46 R...</b>	
	$W_c$ mm		83	103	
	H mm		*23/46	46	

## Conveyor beams

Product	XS	XL	XM	XH	XK
<b>Conveyor beam, standard</b>	<b>XSCB *</b>	<b>XLCB *</b>	<b>XMCB *</b>	<b>XHCB *</b>	
	$W_b$ mm	45	65	85	105
	H mm	65	65	75	75
	L m	*3/6/L	*3/6/L	*3/6/L	*3/6/L
<b>Conveyor beam, reinforced</b>				<b>XHCB * R</b>	
	$W_b$ mm			105	
	H mm			75	
	L m			*3/6/L	
<b>Conveyor beam XK, standard</b>					<b>XKCB *</b>
	$W_b$ mm				105
	H mm				95
	L m				*3/6/L
<b>Conveyor beam XK, Type N</b>					<b>XKCB * N</b>
	$W_b$ mm				105
	H mm				95
	L m				*3/6/L

### Tools and accessories for conveyor beams

- Slide rail
- Connecting strip
- T-slot cover
- Beam section for chain installation
- Drill fixture for slide rail
- Mounting tool for slide rail





# Conveyor beam support brackets

Product	XS	XL	XM	XH	XK
<b>Beam support bracket Type A Aluminium</b>	<b>XLCT ...</b>	<b>XLCT ...</b>	<b>XLCT ...</b>	<b>XLCT ...</b>	<b>XLCT ...</b>
 	$W_D$ mm 87	107	127	147	147
	$W_S$ mm 64/88	64/88	64/88	64/88	64/88
	H mm 100/125/135/158	100/125/135/158	100/125/135/158	100/125/135/158	100/125/135/158
<b>Beam support bracket Type B Aluminium</b>	<b>XSCS *</b>	<b>XLCS *</b>	<b>XMCS * B</b>	<b>XHCS * B</b>	<b>XHCS 88 B</b> <b>XKCS 88 R</b>
 	$W_D$ mm 87	107	127	147	147
	$W_S$ mm *44/64	*44/64/88	*64/88	*64/88	88
<b>Beam support bracket Type B Polyamide</b>	<b>XLCS 64 P</b>	<b>XLCS 64 P</b> <b>XMCS 64 P</b>	<b>XMCS 64 P</b> <b>XHCS 64 P</b>	<b>XHCS 64 P</b>	
 	$W_S$ mm 44	44/64	44/64	64	
<b>Beam support bracket Type C Aluminium</b>		<b>XLCU 73</b>	<b>XLCU 73</b>	<b>XLCU 73</b>	<b>XLCU 103</b>
 	$W_S$ mm	88	88	88	88




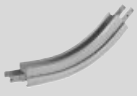
# Drive units and idler units

Product	XS	XL	XM	XH	XK
<b>End drive units</b>	<b>XSEB * HL/HR</b>	<b>XLEB * HL/HR</b>	<b>XMEB * HL/HR</b>	<b>XHEB * HL/HR</b>	<b>XKEB * L/R</b> <b>XKEB ** HL/HR</b>
	v m/min. *5-60	*5-60	*5-60	*5-60	*5-50 **3-25
	$F_{Nmax}$ 500	500	1250	1250	1750/2500
<b>End drive units, direct drive</b>	<b>XSEB * HLP/HRP</b>	<b>XLEB * HLP/HRP</b>	<b>XMEB * HLP/HRP</b>	<b>XHEB * HLP/HRP</b>	
	v m/min. *5-60	*5-60	*5-60	*5-60	
	$F_{Nmax}$ 500	500	1250	1250	
<b>End drive units, double</b>	<b>XSEB * HLD/HRD</b>	<b>XLEB * HLD/HRD</b>	<b>XMEB * HLD/HRD</b>	<b>XHEB * HLD/HRD</b>	<b>XKEB * LD/RD</b>
	v m/min. *5-60	*5-60	*5-60	*5-60	*5-50
	$F_{Nmax}$ 500	500	1250	1250	1750
	c/c mm 55/90-350	66/110-350	86/130-350	106/150-350	106/150-350
<b>Intermediate drive units</b>		<b>XLER * HL/HR</b>	<b>XMER * HL/HR</b>	<b>XHER * HL/HR</b>	
	v m/min. *5-25	*5-25	*5-25	*5-25	
	$F_{Nmax}$ 200	200	200	200	
<b>Catenary drive units</b>		<b>XLEC * HL/HR</b>	<b>XMEC * HL/HR</b>	<b>XHEC * HL/HR</b>	<b>XKEC * L/R</b> <b>XKEC ** HL/HR</b>
	v m/min. *5-25	*5-25	*5-25	*5-25	*5-60 **3-25
	$F_{Nmax}$ 500	1250	1250	1250	1750/2500

## Drive units and idler units (continued)

Product	XS	XL	XM	XH	XK
<b>End drive units for wedge conveyors</b> 		<b>XLEB * HLGP/HRGP</b>	<b>XMEB * HLGP/HRGP</b>		
$v$ m/min.		*5–60	*5–60		
$F_{max}$ N		500	1250		
<b>Synchronous drive units for wedge conveyors</b> 		<b>XLED *H</b>	<b>XMED *H</b>		
$v$ m/min.		*5–55	*5–55		
$F_{max}$ N		500	1250		
<b>Horizontal bend drive units</b> 	<b>XSEW 180/* H</b>	<b>XLEW 180/* H</b>	<b>XMEW 180/* H</b>	<b>XHEW 180/* H</b>	<b>XKEW 180/*</b>
$v$ m/min.	*5–30	*5–30	*5–30	*5–30	*5–30
$F_{max}$ N	200	200	200	200	200
<b>Idler units</b> 	<b>XSEJ 200</b>	<b>XLEJ 320 XLEK 90R40*</b>	<b>XMEJ 315 XMEK 90R50*</b>	<b>XHEJ 325 XHEK 90R50*</b>	<b>XKEJ 350 XKEK 90R70*</b>
	180°	180°/*90°	180°/*90°	180°/*90°	180°/*90°

## Bends


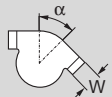

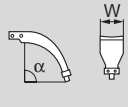
Product	XS	XL	XM	XH	XK
<b>Horizontal wheel bends</b>  	<b>XSBH *R150</b>	<b>XLBH *R150</b>	<b>XMBH *R160</b>	<b>XHBH *R170</b>	<b>XKBH *R200</b>
$\alpha^\circ$	*30/45/90/180	*30/45/90/180	*30/45/90/180	*30/45/90/180	*30/45/90/180
$R$ mm	150	150	160	170	200
<b>Horizontal plain bends</b>  	<b>XSBP *R**</b>	<b>XLBP *R**</b>	<b>XMBP *R**</b>	<b>XHBP *R**</b>	<b>XKBP *R**</b>
$\alpha^\circ$	*30/45/60/90	*30/45/60/90	*30/45/60/90	*30/45/60/90	*30/45/60/90
$R$ mm	**500/700/1000	**500/700/1000	**500/700/1000	**500/700/1000	**500/700/1000
<b>Vertical bends</b>  	<b>XSBV *R300</b>	<b>XLBV *R**</b>	<b>XMBV *R**</b>	<b>XHBV *R**</b>	<b>XKBV *R750</b>
$\alpha^\circ$	*5/30/45/60/90	R300: *5/7/15 /30/45/60/90 R1000: *45/90	R400: *5/7/15 /30/45/60/90 R1000: *45/90	R400: *5/7/15 /30/45/60/90 R1000: *45/90	*5/15/ /45/60/90
$R$ mm	300	**300/1000	**400/1000	**400/1000	750

## Accessories







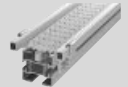



Product	XS	XL	XM	XH	XK
<b>Angle plates</b>  		<b>XLRP *</b>	<b>XHRP *</b>	<b>XHRP *</b>	<b>XHRP *</b>
$W_A$		25	40	40	40
$L$ m		*3/6	*3/6	*3/6	*3/6
<b>Angle plates for bends</b>  		<b>XLRM *</b>	<b>XMRM *</b>	<b>XHRM *</b>	<b>XKRM *</b>
$W_A$		25	40	40	40
$\alpha^\circ$		*90/180	*90/180	*90/180	*90/180
<b>Drip trays</b>  	<b>XSDT *x87 B</b>	<b>XLDT *x107 B</b>	<b>XMDT *x127 B</b>	<b>XHDT *x147 B</b>	<b>XKDT *x147</b>
$L$ m	*3/6	*3/6	*3/6	*3/6	*3/6
$W$ mm	87	107	127	147	147



## Accessories (continued)

Product	XS	XL	XM	XH	XK	
<b>Drip pans for horizontal wheel bends</b>  	<b>XSDH *x87 B</b>	<b>XLDH *x107 B XLDH *x107 BW</b>	<b>XMDH *x127 B XMDH *x127 BW</b>	<b>XHDH *x147 B XHDH *x147 BW</b>	<b>XKDH *x147 A XKDH *x147 AW</b>	
	$\alpha^\circ$	*30/45/90/180	*30/45/90/180	*30/45/90/180	*30/45/90/180	*30/45/90/180
	W mm	87	107	127	147	147
<b>Drip pans for vertical bends</b>  	<b>XSDV *x87 BL XSDV *x87 BU XSDV 90x87 B</b>	<b>XLDV *x107 BU XLDV *x107 BUW XLDV *x107 BL XLDV *x107 BLW XLDV 90x107 B XLDV 90x107 BW</b>	<b>XMDV *x127 BU XMDV *x127 BUW XMDV *x127 BL XMDV *x127 BLW XMDV 90x127 B XMDV 90x127 BW</b>	<b>XHDV *x147 BU XHDV *x147 BUW XHDV *x147 BL XHDV *x147 BLW XHDV 90x147 B XHDV 90x147 BW</b>	<b>XKDV *x147 U XKDV *x147 UW XKDV *x147 L XKDV *x147 LW XKDV 90x147 A XKDV 90x147 AW</b>	
	$\alpha^\circ$	*30/45/60/90 90	*30/45/60/90 90	*30/45/60/90 90	*30/45/60/90 90	*30/45/60/90 90
	W mm	87	107	127	147	147

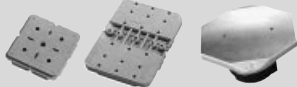
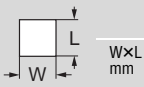


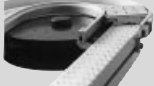

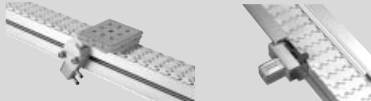
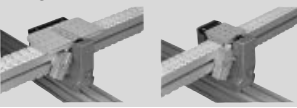

## Guidance

Product	XS	XL	XM	XH	XK	
<b>Front piece</b>  	<b>XSVF *</b>	<b>XLVF *</b>	<b>XMVF *</b>	<b>XHVF *</b>	<b>XKVF *</b>	
	L m	*3/6	*3/6	*3/6	*3/6	*3/6
	W mm	110/160	130/180	170/270	190/290	190/290
<b>Guide rail profiles</b>  	<b>XLRS *x***... 5048965***</b>	<b>XLRS *x***... 5048965***</b>	<b>XLRS *x***... 5048965***</b>	<b>XLRS *x***... 5048965***</b>	<b>XLRS *x***... 5048965***</b>	
	L m	*3/6, ***3	*3/6, ***3	*3/6, ***3	*3/6, ***3	*3/6, ***3
	W mm	**10/15 *** $\varnothing$ 12	**10/15 *** $\varnothing$ 12	**10/15 *** $\varnothing$ 12	**10/15 *** $\varnothing$ 12	**10/15 *** $\varnothing$ 12
<b>Guide discs for wheel bends</b>  	<b>XLRG *</b>	<b>XLRG *</b>	<b>XLRG *</b>	<b>XLRG *</b>		
	W <sub>T</sub> mm	56/80/104/130 (W <sub>R</sub> =10 mm)	67/90/115/140 (W <sub>R</sub> =10 mm)	87/110/135/160 (W <sub>R</sub> =10 mm)	107/130/155/180 (W <sub>R</sub> =10 mm)	
	$\varnothing$ mm	*230/212/187/162	*230/212/187/162	*230/212/187/162	*230/212/187/162	
<b>Fixed guide rail brackets, aluminium</b>  	<b>XLRB ...</b>	<b>XLRB ...</b>	<b>XLRB ...</b>	<b>XLRB ...</b>	<b>XLRB ...</b>	
	W <sub>T</sub> mm	47–205	67–225	87–245	107–265	107–215
<b>Fixed guide rail brackets, polyamide</b>  	<b>XLRB ... C</b>	<b>XLRB ... C</b>	<b>XLRB ... C</b>	<b>XLRB ... C</b>		
	W <sub>T</sub> mm	47–105	67–125	87–145	107–165	

## Guidance (continued)

Product	XS	XL	XM	XH	XK
<b>Adjustable guide rail brackets, aluminium</b> 	<b>XLRA ...</b>	<b>XLRA ...</b>	<b>XLRA ...</b>	<b>XLRA ...</b>	<b>XLRA ...</b>
 $W_T$ mm	0–109	0–129	29–149	49–169	49–119
<b>Adjustable guide rail brackets, polyamide</b> 	<b>XLR ...</b>	<b>XLR ...</b>	<b>XLR ...</b>	<b>XLR ...</b>	<b>XLR ...</b>
 $W_T$ mm	0–...	0–...	0–...	0–...	0–...
<b>Built-up guide rail brackets</b> 	<b>XCBB ... etc.</b>	<b>XCBB ... etc.</b>	<b>XCBB ... etc.</b>	<b>XCBB ... etc.</b>	<b>XCBB ... etc.</b>
 $W_T$ mm	61–...	81–...	101–...	121–...	121–...

## Pallet handling components XL, XM, XK

Product	XL	XM	XK
<b>Pallets</b> 	<b>XLPP 100×100</b>	<b>XMPP *</b>	<b>KKPP *</b>
 $W \times L$ mm	100×100	*150×120/150×150 /150×200/150×250	*200×150/250×225 /300×300
<b>Conveyor beam</b>	<b>XLCP</b> See Beams, XL	<b>XMCP</b> See Beams, XM	<b>KKCP</b> See Beams, XK
<b>Conveyor chain</b>	<b>XLTP 5</b> See Chains, XL	<b>XMTP 5</b> See Chains, XM	<b>KKTP 5</b> See Chains, XK
<b>Fixed guide rail brackets, aluminium</b>	<b>XLRB 29×36</b>	<b>XLRB 49×42</b>	<b>KKRB 30×70</b>
<b>Straight guide rail</b>	<b>XLRS *×10 FL</b>	<b>XLRS *×15</b>	<b>KKRS 3×42</b> <b>KKRS 3×100</b>
<b>Outer guide rail for bend</b> 	<b>3904897/*3904896</b>	<b>3904899/*3904898</b>	<b>3927174</b> <b>3927173*</b> <b>3927172**</b> <b>3927171***</b>
 $\alpha^\circ$	90/*180	90/*180	30/*45/**90/***180
<b>Inner guide rail for bend</b> 	<b>3905239/*3905238</b>		<b>3927170</b> <b>3927169*</b> <b>3927168**</b> <b>3927167***</b>
 $\alpha^\circ$	90/*180		30/*45/**90/***180
<b>Pallet stop device</b> 	<b>XLDP 20×10</b>	<b>XMPD 20×10 E</b>	<b>KKPD 32×15</b> <b>KKPD 32×15 L</b>
<b>Pallet locating station</b> 	<b>XLPX 100 A</b>	<b>XMPX 150 A</b>	<b>KKPX 175</b>
<b>Pallet transfer station</b> 		<b>XMPT 150×165</b>	

# Pallet handling components (continued)

Product	XL	XM	XK
<b>Diverter kits</b> 			<b>XKPJ * DL/DR/DLW/DRW</b>
<b>Merge kits</b> 			<b>XKPJ * ML/MR/MLW/MRW</b>
<b>Combined divert-merge kits</b> 			<b>XKPJ * CL/CR/CLW/CRW</b>

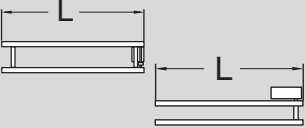

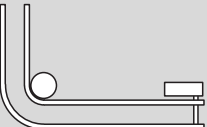
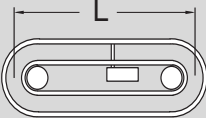
## Pallet handling system accessories

- Slide blocks for pallets
- Shock absorbers for pallets
- Shaft and roller kits for pallets
- Bracket for proximity switch
- Initiator plates for pallets
- Drip pans for XK pallet divert/merge kits

## Modular pallet conveyor system XT

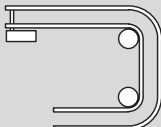
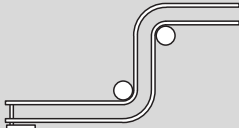

### Three standard pallet sizes

FlexLink system XT is a twin-track pallet-only conveyor system featuring a plastic chain. The system is especially well suited for manual and automatic assembly and test systems in automotive and electrical/electronics industries. The XT system is based on standard pallets in sizes 240x240 mm, 320x320 mm, and 400x400 mm.

Conveyor modules	XTUC
<b>Straight conveyor</b> 	<b>XTUC S11 Light...*</b> <b>XTUC S51 ...**</b> v m/min. 5–20 L m *0,24–3,02 **0,84–25
<b>J shape conveyor</b> 	<b>XTUC J51/J52 ...</b> v m/min. 5–20 L <sub>tot</sub> m –25
<b>L shape conveyor</b> 	<b>XTUC L51/L52 ...</b> v m/min. 5–20 L <sub>tot</sub> m –25
<b>Closed loop conveyor</b> 	<b>XTUC Q51/Q52 ...</b> v m/min. 5–20 L m –6

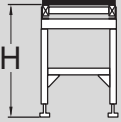
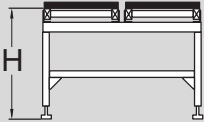


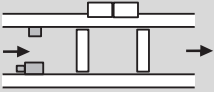
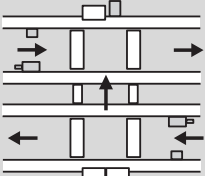
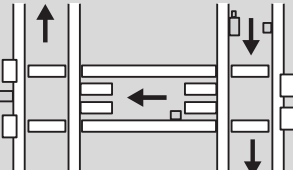
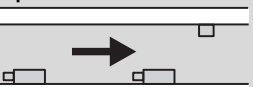
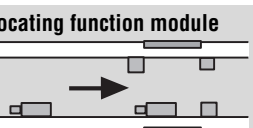
### Configurable modules

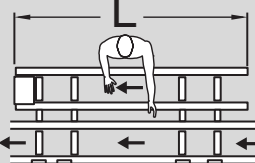
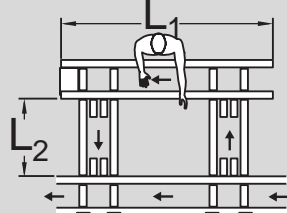
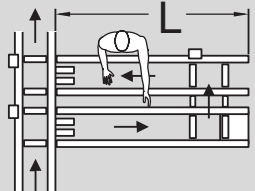
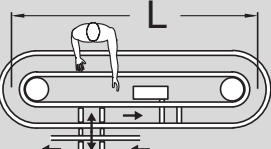
The system consists of a selection of highly configurable standard modules: eight basic types of conveyor modules, four types of support modules, seven types of transfer modules, and four types of workstation modules. Stop and locating function modules are also available.

Conveyor modules	XTUC
<b>U shape conveyor</b> 	<b>XTUC U51/U52 ...</b> v m/min. 5–20 L <sub>tot</sub> m –25
<b>Z shape conveyor</b> 	<b>XTUC Z51/Z52 ...</b> v m/min. 5–20 L <sub>tot</sub> m –25
<b>F shape conveyor</b> 	<b>XTUC F51/F52 ...</b> v m/min. 5–20 L <sub>tot</sub> m –25



# Modular pallet conveyor system XT (continued)

Support modules	XTUF
<b>Single module support</b>	<b>XTUF S01 ...</b>
	H mm 500–1500
<b>Parallel module support</b>	<b>XTUF S02...</b>
	H mm 500–1500
<b>Two-level module support</b>	<b>XTUF S03...</b>
	H mm 532–1500
<b>Wheel bend support</b>	<b>XTUF S04 ...</b>
	H mm 500–1500
Transfer modules	XTUT
<b>Transfer module S</b>	<b>XTUT S10/S11/S12 ...</b>
	m <sub>max</sub> kg 30 @6 bar v m/min. 15/18 (50 Hz/60 Hz)
<b>Transfer module R</b>	<b>XTUT R11/R12 ...</b>
	m <sub>max</sub> kg 30 @6 bar v m/min. 15/18 (50 Hz/60 Hz)
<b>Transfer module M</b>	<b>XTUT M11/M12 ...</b>
	m <sub>max</sub> kg 30 @6 bar v m/min. 5–20
Stop/locate modules	XTUS/XTUL
<b>Stop module</b>	<b>XTUS P11 ...</b>
	
<b>Locating function module</b>	<b>XTUL P11 ...</b>
	


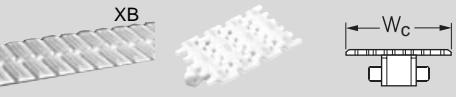
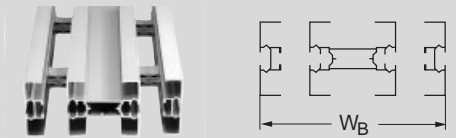
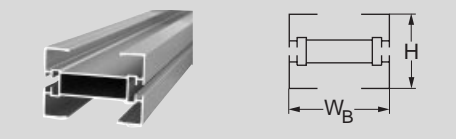


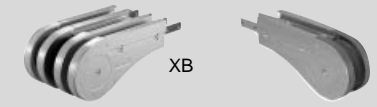


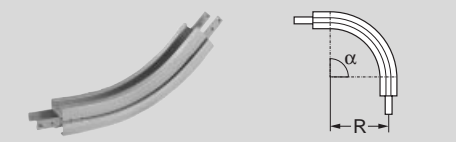
Workstation modules	XTUW
<b>Workstation module R11</b>	<b>XTUW R11 ...</b>
	v/v <sub>x</sub> m/min. 5–20/15(18) m <sub>max</sub> kg 30 @6 bar L m 0,8–3
<b>Workstation module M11</b>	<b>XTUW M11 ...</b>
	v/v <sub>x</sub> m/min. 5–20/15(18) m <sub>max</sub> kg 30 @6 bar L <sub>1</sub> m 0,8–3 L <sub>2</sub> m 0,2–3
<b>Workstation module T11</b>	<b>XTUW T11 ...</b>
	v/v <sub>x</sub> m/min. 5–20/15(18) m <sub>max</sub> kg 30 @6 bar L m 0,9–3
<b>Workstation module Q51</b>	<b>XTUW Q51 ...</b>
	v/v <sub>x</sub> m/min. 5–20/15(18) m <sub>max</sub> kg 30 @6 bar L m 2–6

## System XT accessories

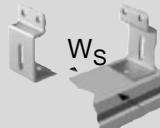
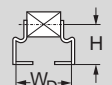
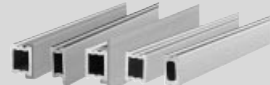







Pallet conveyor system XT also includes a large number of accessories:

- Pallets 240×240 mm, 320×320 mm, 400×400 mm
- Pallet stop devices, damped and undamped
- Dampers
- Sensors and sensor brackets
- Pneumatic transfer
- Pallet locating station
- Support brackets
- Roller kit
- Connecting kits

# Conveyor system XB, Series C, Series X

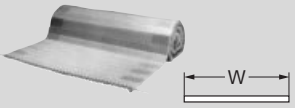

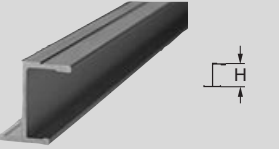
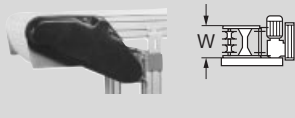



Product	XB	Wash-down (Series C)	Stainless steel (Series X)
<b>Plain chain</b> 	<b>XBTP 3A175</b>	<b>XMTP 5</b> <b>XHTP 5</b>	<b>XLTP 5</b> <b>XMTP 5</b> <b>XHTP 5</b>
$W_c$ mm	175	XM:83 XH:103	XL:63 XM:83 XH:103
<b>Friction top chain</b> 	<b>XBTP 3A175 F...</b>	<b>XMTP 5 F...</b> <b>XHTP 5 F...</b>	<b>XLTP 5 F...</b> <b>XMTP 5 F...</b> <b>XHTP 5 F...</b>
$W_c$ mm	175	XM:66 XH:83	XL:63 XM:83 XH:103
<b>Other chains</b>		See XM and XH	See XL, XM, and XH
<b>Conveyor beam section (assembled)</b> <b>Conveyor beam (mid-section)**</b> <b>Conveyor beam (outer-section)***</b> 	<b>XBCB *A175</b> <b>XBCB **A85</b> <b>XBCB ***A H</b>		
$W_b$ mm	182		
H mm	75		
L m	*3/L (max 3 m) **3/L ***3/L		
<b>Conveyor beam</b> 		<b>XMCB * HC</b> <b>XHCB * HC</b>	<b>XLCBX *</b> <b>XMCBX *</b> <b>XHCBX *</b>
$W_b$ mm		XM:85 XH:105	XL:65 XM:85 XH:105
H mm		75	XL:64,2 XM:75 XH:75
L m		*3/6/L (max 6 m)	*3/L (max 3 m)
<b>End drive units</b> 		<b>XMEB * HLC/HRC</b> <b>XHEB * HLC/HRC</b>	
v m/min.		*5–60	
$F_{max}$ N		1250	
<b>End drive units, direct drive</b> <b>End drive unit with slip clutch**</b> 	<b>XBEB * A175 LP/RP</b> <b>XBEB * A175 LBP/LRB**</b>		<b>XLEBX * HLP/HRP</b> <b>XMEBX * HLP/HRP</b> <b>XHEBX * HLP/HRP</b>
v m/min.	*5–60		*–60
$F_{max}$ N	1250		–
<b>Idler end unit</b> 	<b>XBEJ A175</b>	<b>XMEJ 315 C</b> <b>XHEJ 325 C</b>	<b>XLEJX 320</b> <b>XMEJX 315</b> <b>XHEJX 325</b>
	180°	180°	180°
<b>Horizontal wheel bends</b> 		<b>XMBH *R160 C</b> <b>XHBH *R170 C</b>	<b>XLBHX *R150</b> <b>XMBHX *R160</b> <b>XHBHX *R170</b>
$\alpha^\circ$		*30/45/90/180	*30/45/90/180
R mm		XM:160 XH:170	XL:150 XM:160 XH:170
<b>Horizontal plain bends</b> 	<b>XBBP *A175 R**</b>	<b>XMBP *R** C</b> <b>XHBP *R** C</b>	<b>XLBPX *R**</b> <b>XMBPX *R**</b> <b>XHBPX *R**</b>
$\alpha^\circ$	*30/45/60/90	*30/45/90	*90
R mm	**500/700/1000	**500/1000	**500/1000
<b>Vertical bends</b> 	<b>XBBV *A175R7</b>	<b>XMBV *R400 C</b> <b>XHBV *R400 C</b>	<b>XLBVX *R300</b> <b>XMBVX *R400</b> <b>XHBVX *R400</b>
$\alpha^\circ$	*5/15	*5/30/45/90	*5/15
R mm	750	400	XL:300 XM:400 XH:400

# XB, Series C, Series X (continued)

Product	XB	Wash-down (Series C)	Stainless steel (Series X)
<b>Beam support bracket Type A, aluminium</b>  	<b>XLCT ...</b>	<b>XLCT ...</b>	<b>XLCT ...</b>
$W_D$ mm	224	XM: 127 XH:147	XL:107 XM:127: XH:147
$W_S$ mm	64/88	64/88	64/88
H mm	100/125/135/158	100/125/135/158	100/125/135/158
<b>Guide rail profiles</b>  	<b>XLRS *<sub>x</sub>**... 5048965***</b>	<b>XLRS *<sub>x</sub>**... 5048965***</b>	<b>5048965</b>
L m	*3/6, ***3	*3/6, ***3	3
W mm	**10/15, *** Ø12	**10/15, *** Ø12	Ø12
<b>Guide discs for wheel bends</b>  		<b>XLRG *</b>	
$W_R$ mm		XM:87/110/135/160 XH:107/130/155/180 ( $W_R=10$ mm)	
Ø mm		*230/212/187/162	
<b>Fixed guide rail brackets, aluminium</b>  	<b>XLRB ...</b>	<b>XLRB ...</b>	
$W_T$ mm	184–342	XM:87–245 XH:107–265	
<b>Fixed guide rail brackets, polyamide</b>  	<b>XLRB ... C</b>	<b>XLRB ... C</b>	
$W_T$ mm	184–242	XM:87–145 XH:107–165	
<b>Adjustable guide rail brackets, aluminium</b>  	<b>XLRA ...</b>	<b>XLRA ...</b>	
$W_T$ mm	126–246	XM:29–149 XH:49–169	
<b>Adjustable guide rail brackets, polyamide</b>  	<b>XLR ...</b>	<b>XLR ...</b>	<b>XLR ...</b>
$W_T$ mm	0–...	0–...	0–...
<b>Built-up guide rail brackets</b>  	<b>XCBB ... etc.</b>	<b>XCBB ... etc.</b>	
$W_T$ mm	198–...	XM:101–... XH:121–...	



# Wide chain conveyor system XW

Product	XW	
Chain	XWTP 1B*	
	L m	1
	W mm	*300/600/900/1200
Frame profile	XWCF *	
	L m	*3/6/L
	H mm	109
Centre support profile	XWCN * (D)	
	L m	*3/6/L
	H mm	32
Drive units	XWEB 5B* L/R	
	F <sub>max</sub> m	1750/1750/1500/1000
	W mm	*300/600/900/1200
Idler end units	XWEJ * B	
	W mm	*300/600/900/1200
Double drive units	XWEB 5B600 LC/RC/LD/RD	
	F <sub>max</sub> N	1750
	W mm	300 + 300
Triple drive units	XWEB 5B900 LA/RA/LB/RB	
	F <sub>max</sub> N	1500
	W mm	300 + 300 + 300

## Accessories and tools

- Hold down bracket for support profiles
- Slide rail
- Connecting strip
- Connecting piece
- T-slot cover
- Beam for crossbar
- Drill fixture for slide rail
- Mounting tool for slide rail

## Support system

- Beam support brackets
- Support beams

See *Conveyor support components* for details.