Conveyor system XK

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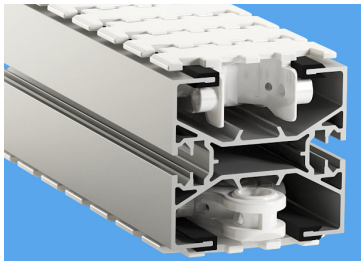
System information

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.

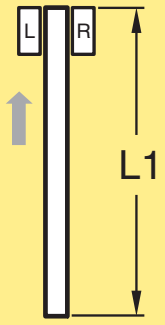
Examples of application areas

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

Technical characteristics

Drive unit capacity	2500 N
Chain tension limit	2500 N
Beam width	105 mm
Chain width	102 mm
Chain pitch	38,1 mm
Item width	50–300 mm
Maximum item weight	
Horizontal transport	30 kg
Vertical transport	15 kg
Maximum weight on conveyor	800 kg
Maximum conveyor length	40 m
Maximum permitted load per link	5,0 kg

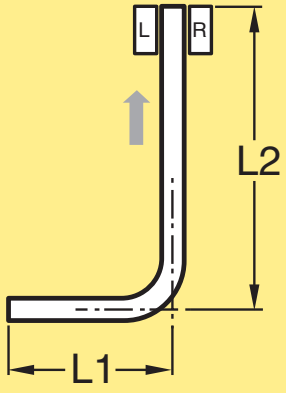
Straight conveyor



Conveyor module – straight * **5990226**

**Use online configurator when ordering*

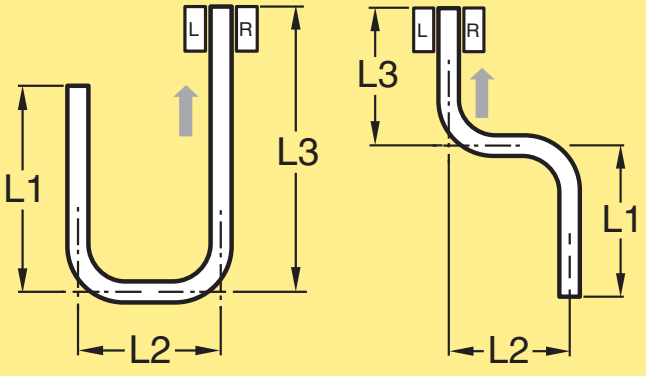
One bend conveyor



Conveyor module – one bend * **5990230**

**Use online configurator when ordering*

Two bend conveyor



Conveyor module – two bends * **5990237**

**Use online configurator when ordering*

Support modules – single and multi-lane

	5995387	Single diecast
	5995388	Single end adjustable
	5995389	Single end guide roller
	5995390	Single foot plate
	5995393	Multi single 2 lane
	5995394	Multi single 3 lane
	5995395	Multi single 4 lane
	5995396	Multi double 2lane
	5995397	Multi double 3 lane
	5995398	Multi double 4 lane

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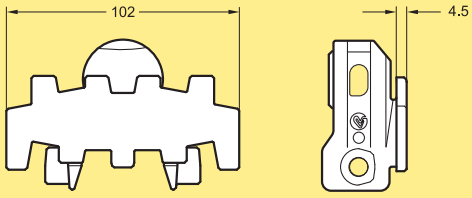
Plain chain

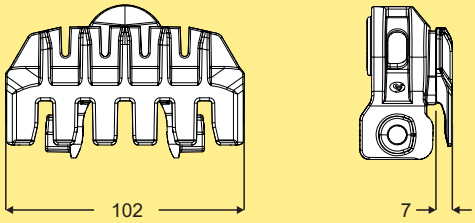


Plain chain Length 5 m	**XKTP 5**
Plain link kit *	**5056639**
Plain chain (Ultra low wear) Length 5 m	**XKTP 5 C**
Plain link (Ultra low wear)	**n.a.**

Note. This chain must not be used in pallet applications. For this, please use closed top chain XKTP 5 K.

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

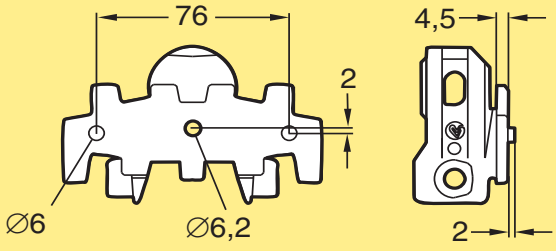
Plain chain



Plain chain Length 5 m	**XKTP 5 K**
Plain chain link kit *	**FLX1003736**

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

Universal chain



Universal chain Length 5 m	**XKTF 5 U**

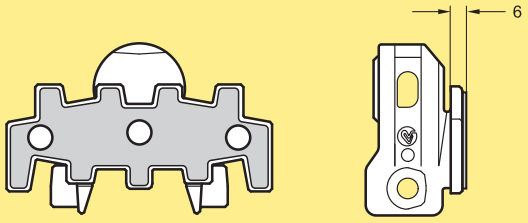
Use the online configurator to specify and order.

Universal link kit *	**5056642**

The link has a hole for an M6 screw. M6 nut will fit inside the link.

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

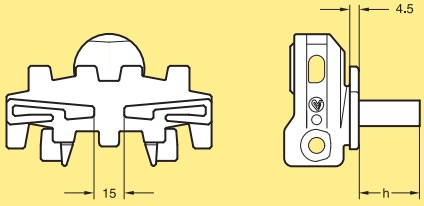
Steel top chain



Steel top chain Length 5 m	**XKTP 5 TF**
Steel top link kit *	**5056644**

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

Cleated chain, Type A



Cleated chain Type A cleats Length 5 m	
h=15 mm	**XKTF 5×15 A**
h=20 mm	**XKTF 5×20 A**
h=30 mm	**XKTF 5×30 A**
h=40 mm	**XKTF 5×40 A**

Use the online configurator to specify and order.

Cleated link kit *	
h=15 mm	**5056645**
h=20 mm	**5056646**
h=30 mm	**5056647**
h=40 mm	**5056648**

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

Other chains

See the *Chain guide* for a selection of other chains.

Chain installation

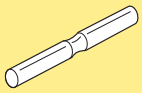
See Appendix “D. Chain installation” on page 533, for installation instructions.

Chain accessories XK

Plastic pivot

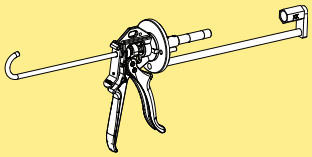
Plastic pivot, kit (25 pcs) XK **5111497**

Steel pin



Steel pin, kit (25 pcs) XK **5111498**

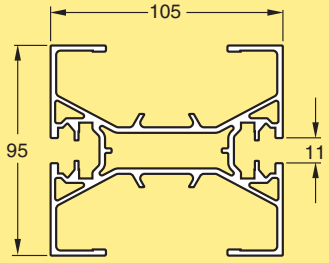
Pin insertion tool for chain



Pin insertion tool XK **XKMJ 8 P**

Beams XK

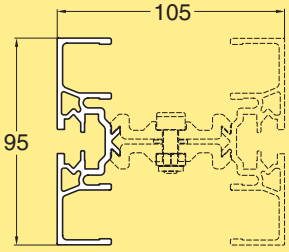
Conveyor beam, standard



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

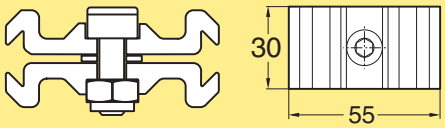
Slide rail: see page 241

Profile for split conveyor beam



Profile for split conveyor beam
Length 3000 +10/-0 mm **XKCB 3 H**
Length to order (30- 3000 mm) **XKCB L H**

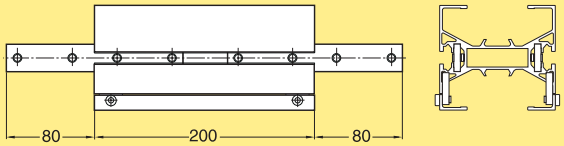
Beam clip assembly



Beam clip assembly **XKCE 55×30**

Including M8 screw and locking nut. Use minimum 5 clips per meter. Place clips 100 mm from each end.

Beam section for chain installation



Beam section for chain installation **XKCC 200 A**

Including connecting strips and screws

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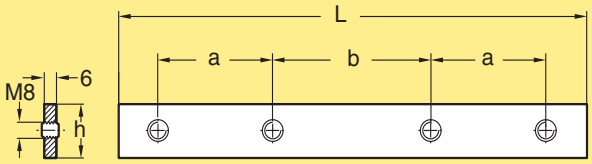
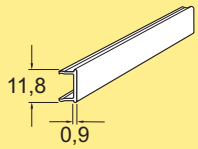
Connecting strip with set screws



Connecting strip with set screws
h=25, a=44, b=44, L=160 **XLCJ 6×160**

Note. Contains 10 pcs.

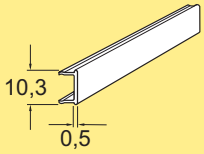
Cover strip for T-slot, aluminium



Cover strip for T-slot
Aluminium, anodized
Length 2 m **XCAC 2**

Note! Can't be used with bends

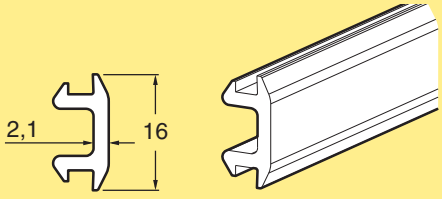
Cover strip for T-slot, PVC



Cover strip for T-slot
Grey PVC
Length 3 m **XCAC 3 P**

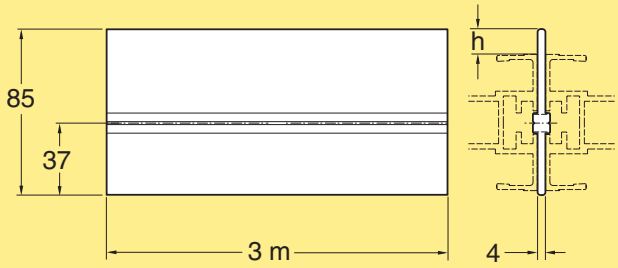
Note! Can't be used with bends

Cover strip for T-slot, PVC



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

Beam spacer



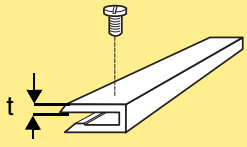
XS	X65	X85/XH	XK
h=16,0 mm	h=15,9 mm	h=10,5 mm	h=0,5 mm

Beam spacer
Aluminium, anodized
Length 3 m **XLCD 3**

For connection of two conveyor beams side to side. Use M8 screw and slot nut. Two holes must be drilled, one through the spacer (9 mm) and one through the beam, to allow insertion of the screw. The diameter of the second hole depends on the size of the screw head.

Slide rails XK

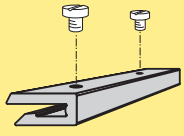
Plastic slide rails for XK beams



Slide rail
Length 25 m
PVDF (μ=0,15–0,35) (Natural white) (t=2,5) **XWCR 25 P**
UHMW-PE (μ=0,1–0,25) (White) (t=2,6) **XKCR 25 U**
PA-PE (μ=0,1–0,25) (Grey) (t=2,45) **XKCR 25 H**

See Appendix A, page 523 for selection guidelines and assembly instructions.

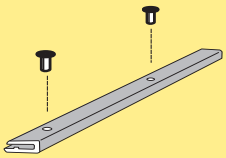
Plastic screws for slide rail



Plastic screws 5 mm for XK beams **XWAG 5**

Note. Contains 50 pcs.

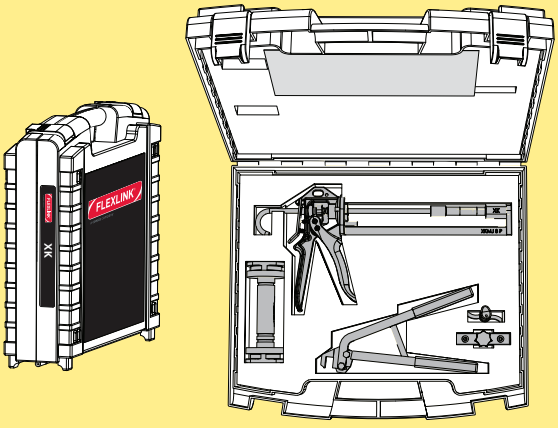
Aluminium rivets



Aluminium rivets 4 mm for XK-X180/X300 conveyors, brown **XLAH 4×7**

Extra slide rail in plain bends must be anchored using plastic screws due to lack of space for the rivet crimping tool.
Note. Contains 250 pcs..

Toolbox for assembly and maintenance (XK)



Toolbox **FLX1007289**

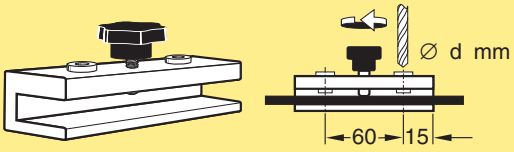
Contains:

Pin insertion tool (chain)	**XKMJ 8 P**
Mounting tool (slide rail)	**XKMR 200**
Rivet crimping pliers 4 mm (slide rail)	**5051395**
Rivet crimping clamp 4 mm (slide rail)	**3923005**
Drill fixture 4 mm (slide rail)	**3920500**

Mounting tool for slide rail

Mounting tool for slide rail XK **XKMR 200**

Drill fixture for slide rail

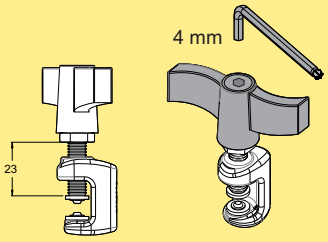


Drill fixture for X65-X85-XH-XK-X180/X300 slide rail
d=4,2 mm **3920500**

Rivet crimping pliers

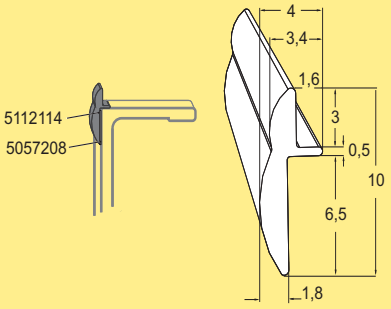
Rivet crimping pliers for X65-X85-XH-XK-X180/X300
For 4 mm rivets **5051395**

Rivet crimping clamp



Rivet crimping clamp for X65-X85-XH-XK-X180/X300
For 4 mm rivets
(Allen key not included) **3923005**

Cover strip



Cover strip
Length: 3 m
Material: Plastic PA 12 **5112114**

Cover the opening on the side between the chain and beam. Primarily for straight sections and the outer curves, but can also be mounted on inner curves. Apply using a double-sided tape, see mounting instruction 5497EN in Technical library.

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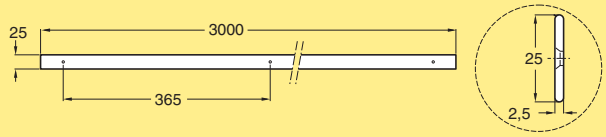
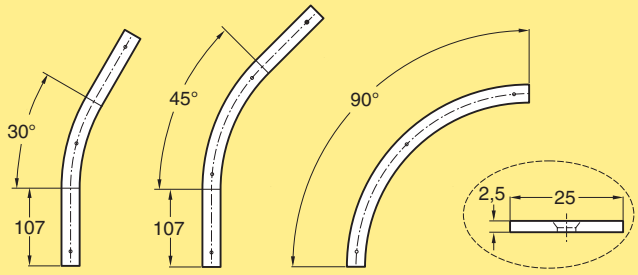
Straight slide rails for XK beams – hardened steel



Slide rail, hardened steel
Length 3 m **XKCR 3 TH**

With 9 predrilled holes.
*See Appendix **B**, page 531 for assembly instructions.*

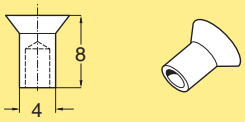
Slide rails for XK bends – hardened steel



Slide rail for bends, hardened steel
For 30° wheel bend **XKCR W30 TH**
For 45° wheel bend **XKCR W45 TH**
For 90° and 180° wheel bends **XKCR W90 TH**

For 180° bends: use two 90° slide rails.
See Appendix B, page 531 for assembly instructions.

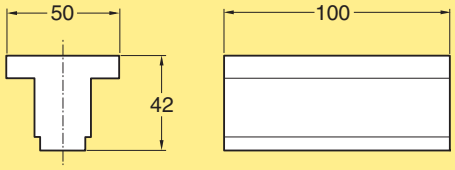
Brass rivets



Brass rivets (100 pcs) **5056167**

Rivets for anchoring the slide rails
See Appendix B, page 531 for assembly instructions.

Slide rail fixture



Slide rail fixture **5056186**

The fixture is used when anchoring the slide rail. Two fixtures are required.
See Appendix B, page 531 for assembly instructions.

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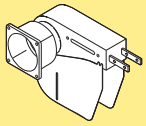
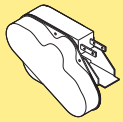
Drive unit types

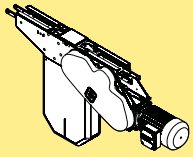
The XK systems consist of several configurations, including direct driven units as well as driven units with suspended motor and transmission chain.

Available motors include variable speed types (**V**) as well as fixed speed motors (**F**).

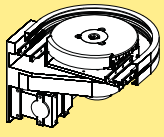
End drive units

Size	Direct drive, slip clutch	Suspended motor, transmission chain, slip clutch
		
Heavy	**F, V**	**F**
Heavy	**–**	**F**

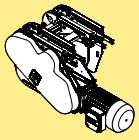
Catenary drive units

Size	Suspended motor, transmission chain, slip clutch
	
Heavy	**F**
Heavy	**F**

Wheel bend drive units

Size	Suspended motor, transmission chain, slip clutch
	
Heavy	**F**

Double drive units

Size	Suspended motor, transmission chain, slip clutch
	
Heavy	**F**

Motor specifications

Motors are available for 230/400 V, 50 Hz and 230/460 V, 60 Hz. Variable speed motors are SEW Movimot, 380–500 V. Note that variable speed motors include a control box that adds 120 mm to the width of the motor.
IP55 available with standard oil.
IP65 available with food grade oil.

Ordering information

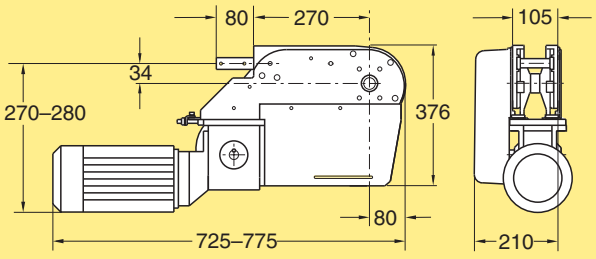
Drive units with motors must be specified using the web-based configurator. The configurator provides detailed information and step-by-step guidance in the specification process. A product code string is generated, containing the specification details. See next page for examples of code strings.

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

Dimension

Note that dimensions relating to drive unit motors depend on the motor specified during the configuration.

End drive unit, suspended motor, slip clutch

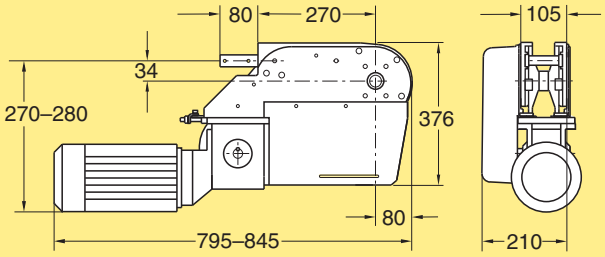


End drive unit
Suspended motor
Fixed speed up to 60 m/min
Transmission on left side

Fixed speed *	XKEB
Without motor (ISO)	XKEB 0 L
Without motor (ANSI)	XKEB 0 LA

Maximum traction force: 1250 N. See page 22.
**Use online configurator when ordering.*
Effective track length: 0,85 m

End drive unit, suspended motor, slip clutch

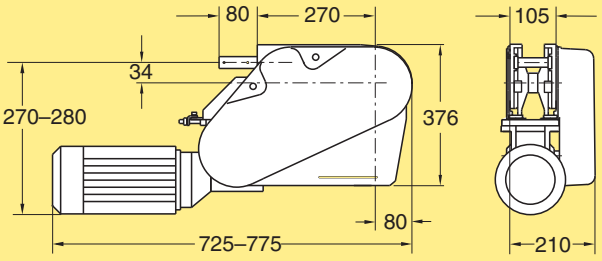


End drive unit, high capacity
Suspended motor
Fixed speed up to 25 m/min
Transmission on left side

Fixed speed *	XKEB
Without motor (ISO)	XKEB 0 HL
Without motor (ANSI)	XKEB 0 HLA

Maximum traction force: 2500 N. See page 22.
Effective track length: 0,85 m
**Use online configurator when ordering.*
Note! Only motors with brakes can be selected

End drive unit, suspended motor, slip clutch

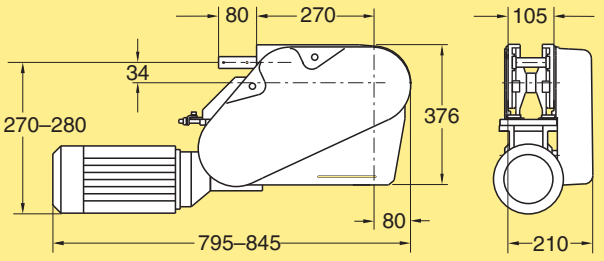


Drive unit
Suspended motor
Fixed speed up to 60 m/min
Transmission on right side

Fixed speed *	XKEB
Without motor (ISO)	XKEB 0 R
Without motor (ANSI)	XKEB 0 RA

Maximum traction force: 1250 N. See page 22.
**Use online configurator when ordering.*
Effective track length: 0,85 m

End drive unit, suspended motor, slip clutch



End drive unit, high capacity
Suspended motor
Fixed speed up to 25 m/min
Transmission on right side

Fixed speed *	XKEB
Without motor (ISO)	XKEB 0 HR
Without motor (ANSI)	XKEB 0 HRA

Maximum traction force: 2500 N. See page 22.
Effective track length: 0,85 m
**Use online configurator when ordering.*
Note! Only motors with brakes can be selected

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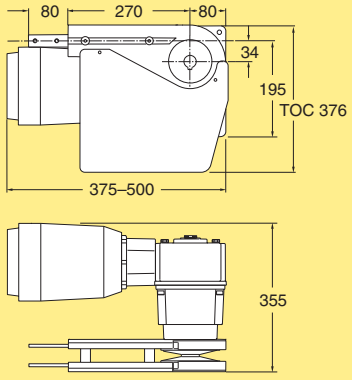
End drive units XK, direct drive with slip clutch

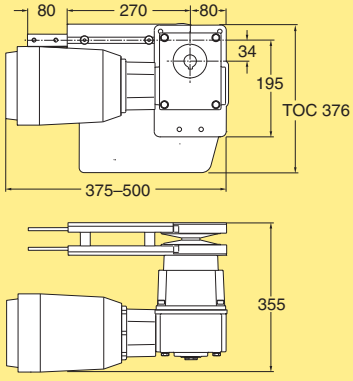
End drive unit, direct drive with slip clutch



End drive unit, direct drive
- Fixed speed up to 60 m/min
- Variable speed: see *Drive Unit Guide*
- Motor on left side
- Fixed/variable speed * — **XKEB**
- Without motor — **XKEB 0 LP**

Maximum traction force: 1250 N. See page 22.
**Use online configurator when ordering.*
Effective track length: 0,80 m

End drive unit, direct drive with slip clutch

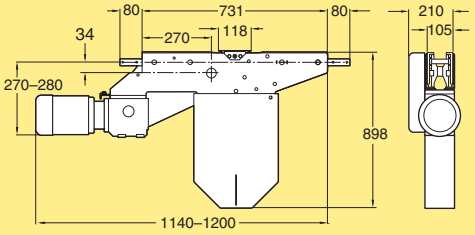


End drive unit, direct drive
- Fixed speed up to 60 m/min
- Variable speed: see *Drive Unit Guide*
- Motor on right side
- Fixed/variable speed * — **XKEB**
- Without motor — **XKEB 0 RP**

Maximum traction force: 1250 N. See page 22.
**Use online configurator when ordering.*
Effective track length: 0,80 m

Catenary drive units XK

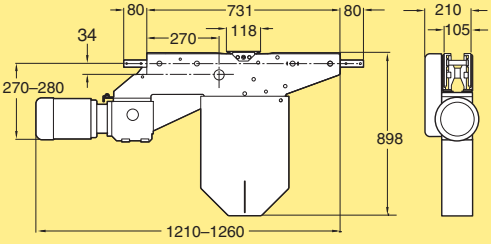
Catenary drive unit, suspended



Catenary drive unit
- Suspended motor
- Fixed speed up to 30 m/min
- Transmission on left side
- Fixed speed* — **XKEC**
- Without motor (ISO) — **XKEC 0 L**
- Without motor (ANSI) — **XKEC 0 LA**

Maximum traction force: 1250 N. See page 22.
**Use online configurator when ordering.*
Effective track length: 1,60 m

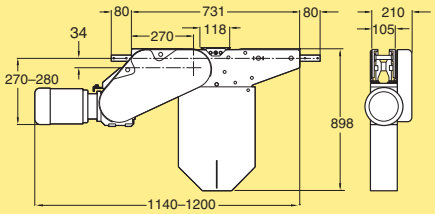
Catenary drive unit, suspended



Catenary drive unit, high capacity
- Suspended motor
- Fixed speed up to 25 m/min
- Transmission on left side
- Fixed speed* — **XKEC**
- Without motor (ISO) — **XKEC 0 HL**
- Without motor (ANSI) — **XKEC 0 HLA**

Maximum traction force: 2500 N. See page 22.
Effective track length: 1,60 m
**Use online configurator when ordering.*
Note! Only motors with brakes can be selected

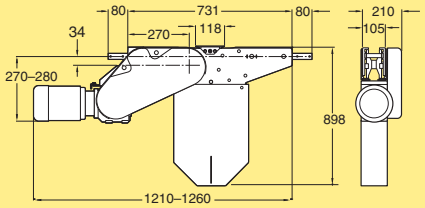
Catenary drive unit, suspended



Catenary drive unit
- Suspended motor
- Fixed speed up to 30 m/min
- Transmission on right side
- Fixed speed* — **XKEC**
- Without motor (ISO) — **XKEC 0 R**
- Without motor (ANSI) — **XKEC 0 RA**

Maximum traction force: 1250 N. See page 22.
** Use online configurator when ordering.*
Effective track length: 1,60 m

Catenary drive unit, suspended

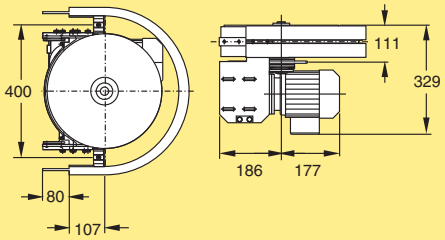


Catenary drive unit, high capacity
- Suspended motor
- Fixed speed up to 25 m/min
- Transmission on right side
- Fixed speed* — **XKEC**
- Without motor (ISO) — **XKEC 0 HR**
- Without motor (ANSI) — **XKEC 0 HRA**

Maximum traction force: 2500 N. See page 22.
Effective track length: 1,60 m
**Use online configurator when ordering.*
Note! Only motors with brakes can be selected

Wheel bend drive unit XK

Wheel bend drive unit, 180°

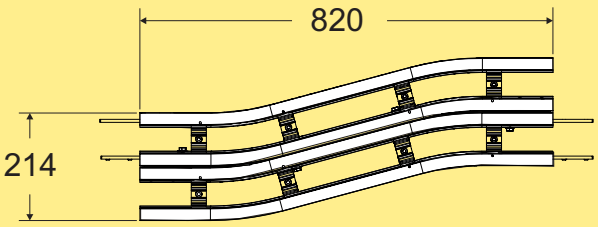


Wheel bend drive unit, 180°
- Fixed speed up to 30 m/min
- Fixed speed* — **XKEW**
- Without motor (ISO) — **XKEW 180/0**
- Without motor (ANSI) — **XKEW 180/0 A**

Maximum traction force: 200 N. See page 22.
**Use online configurator when ordering.*
Effective track length: 0,85 m

S-Transfer

S-Transfer



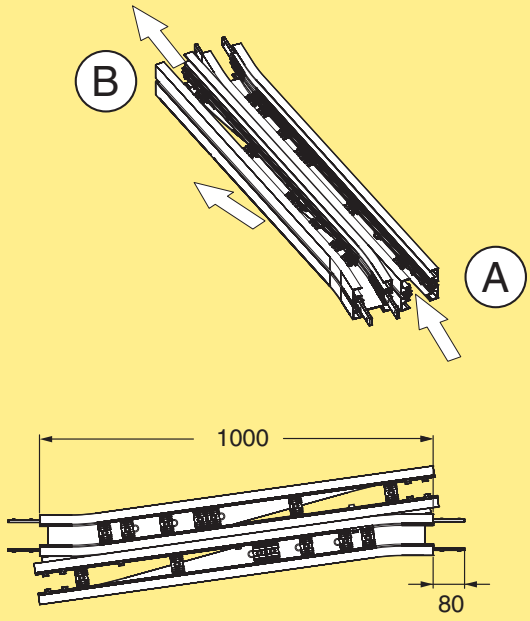
S-transfer for return chain
- for XK — **XKCY D**

Effective track length: 3,3 m

 © FlexLink 2024

X-Bends

X-Bend



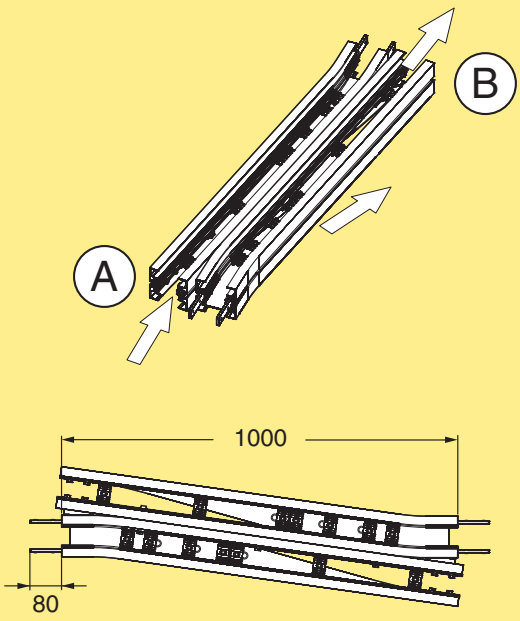
X-bend for top chain

For optional mounting of Idler end unit or Drive unit at the end (A) or (B)

XKCX 105 R

Effective track length: 3,3 m
Note! Special arrangement for connecting beam support brackets

X-Bend



X-bend for top chain

For optional mounting of Idler end unit or Drive unit at the end (A) or (B)

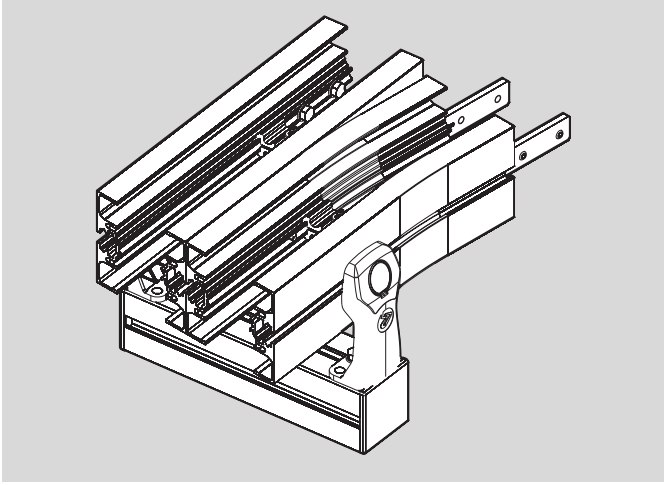
XKCX 105 L

Effective track length: 3,3 m
Note! Special arrangement for connecting beam support brackets

Support components for X-bends

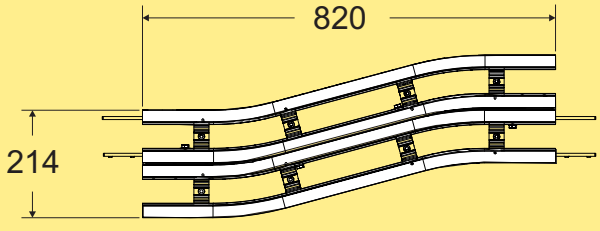
X-bends must have a special arrangement for connecting beam support brackets. See example in figure below.

Read more about beam support brackets on page 337.



S-Transfer

S-Transfer



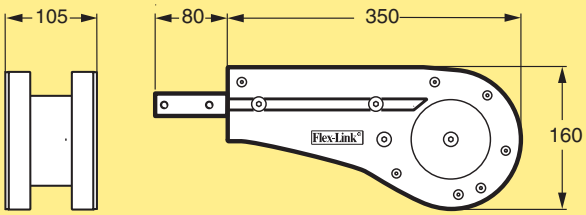
S-transfer for return chain for XK

XKCY D

Effective track length: 3,3 m

Idler units XK

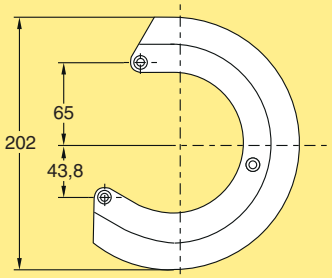
Idler end unit



Idler end unit **XKEJ 350**

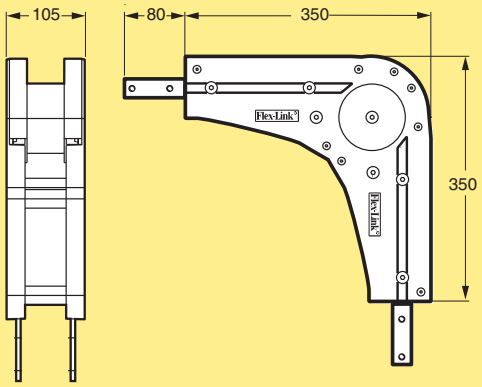
Effective track length: 0,85 m

Protective cover for idler end unit



Protective cover for idler end unit **XKSJ 202**

Idler bend unit, 90°

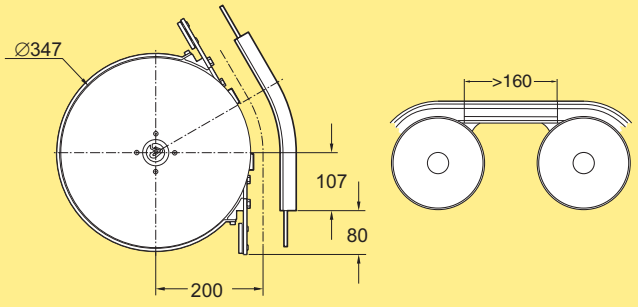


Idler bend unit, 90° **XKEK 90R70**

Effective track length: 0,70 m
Note. Cannot be used with return chain

Wheel bends XK

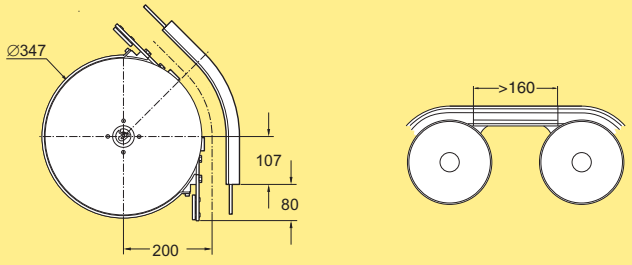
Wheel bend, 30°



Wheel bend, 30° **XKBH 30R200**

Effective track length: 0,35 m 1-way (0,65 m 2-way)

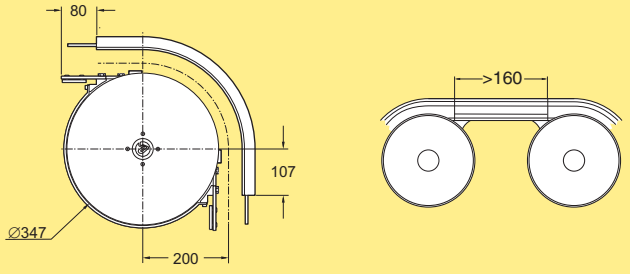
Wheel bend, 45°



Wheel bend, 45° **XKBH 45R200**

Effective track length: 0,40 m 1-way (0,75 m 2-way)

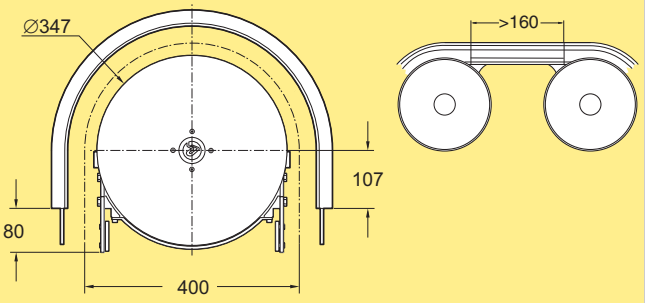
Wheel bend, 90°



Wheel bend, 90° **XKBH 90R200**

Effective track length: 0,55 m 1-way (1,10 m 2-way)

Wheel bend, 180°



Wheel bend, 180° **XKBH 180R200**

Effective track length: 0,85 m 1-way (1,70 m 2-way)

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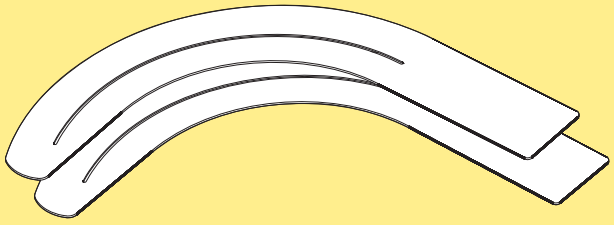
Wheel cover for Wheel bend

Wheel cover for XK

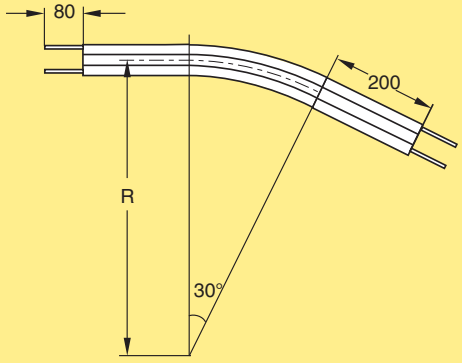


Wheel cover for XK
(Including one pair of Wheel cover 5112247 and 2 tap screw ISO 7049 4,2x6,5-C-H-A2K)

5112250

Plain bends XK

Plain bend, 30°

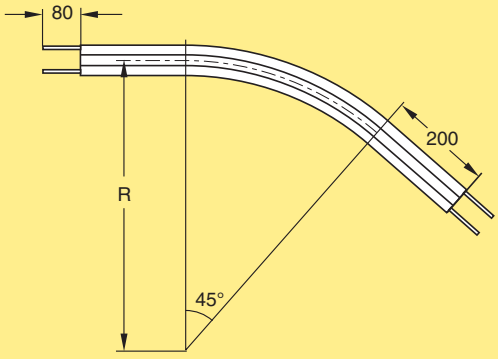


Plain bend, 30°±1°

R=500±10 mm	**XKBP 30R500**
R=700±10 mm	**XKBP 30R700**
R=1000±10 mm	**XKBP 30R1000**

Effective track lengths:
R500: 0,70 m 1-way (1,35 m 2-way)
R700: 0,80 m 1-way (1,55 m 2-way)
R1000: 0,95 m 1-way (1,85 m 2-way)

Plain bend, 45°

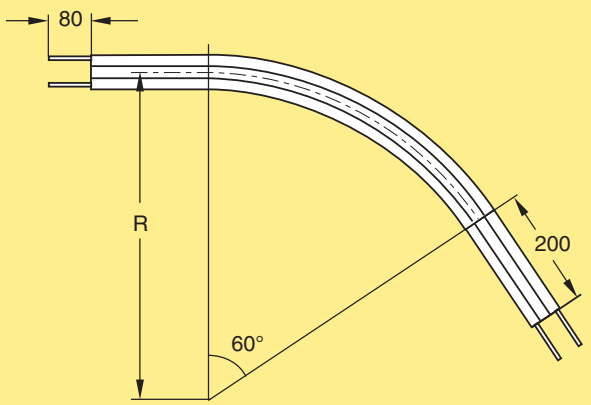


Plain bend, 45°±1°

R=500±10 mm	**XKBP 45R500**
R=700±10 mm	**XKBP 45R700**
R=1000±10 mm	**XKBP 45R1000**

Effective track lengths:
R500: 0,80 m 1-way (1,60 m 2-way)
R700: 0,95 m 1-way (1,90 m 2-way)
R1000: 1,20 m 1-way (2,40 m 2-way)

Plain bend, 60°

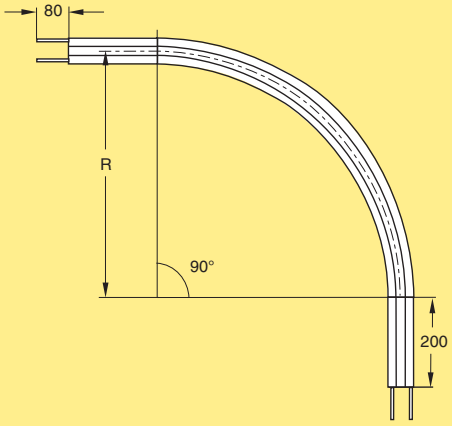


Plain bend, 60°±1°

R=500±10 mm	**XKBP 60R500**
R=700±10 mm	**XKBP 60R700**
R=1000±10 mm	**XKBP 60R1000**

Effective track lengths:
R500: 0,95 m 1-way (1,85 m 2-way)
R700: 1,15 m 1-way (2,30 m 2-way)
R1000: 1,45 m 1-way (2,90 m 2-way)

Plain bend, 90°



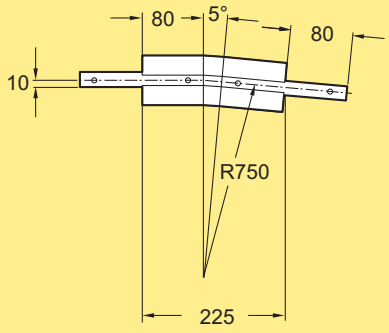
Plain bend, 90°±1°

R=500±10 mm	**XKBP 90R500**
R=700±10 mm	**XKBP 90R700**
R=1000±10 mm	**XKBP 90R1000**

Effective track lengths:
R500: 1,20 m 1-way (2,40 m 2-way)
R700: 1,50 m 1-way (3,00 m 2-way)
R1000: 2,00 m 1-way (3,95 m 2-way)

Vertical bends XK

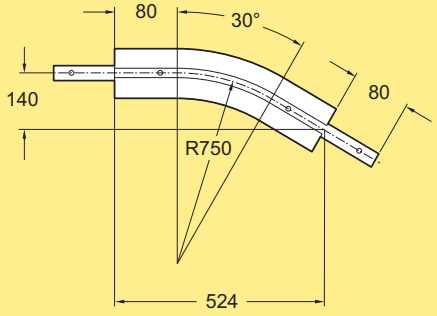
Vertical bend, 5°



Vertical bend, 5° **XKBV 5R750**

Effective track length: 0,25 m 1-way (0,50 m 2-way)

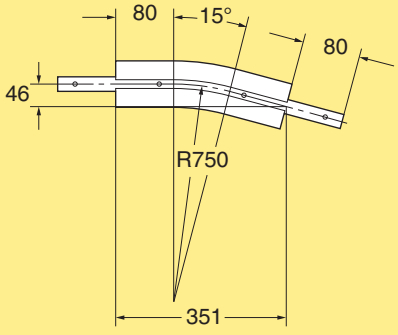
Vertical bend, 30°



Vertical bend, 30° **XKBV 30R750**

Effective track length: 0,60 m 1-way (1,15 m 2-way)

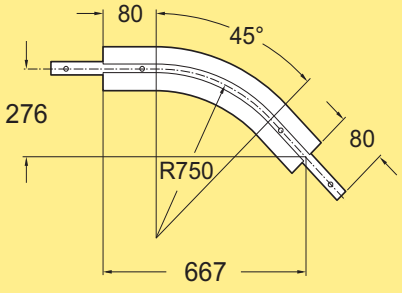
Vertical bend, 15°



Vertical bend, 15° **XKBV 15R750**

Effective track length: 0,40 m 1-way (0,75 m 2-way)

Vertical bend, 45°

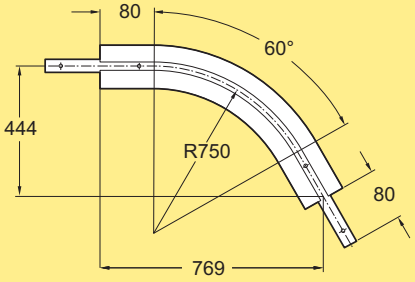


Vertical bend, 45° **XKBV 45R750**

Effective track length: 0,80 m 1-way (1,55 m 2-way)

 © FlexLink 2024

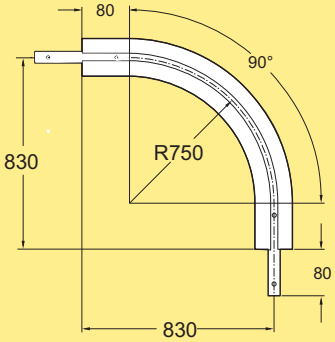
Vertical bend, 60°



Vertical bend, 60° **XKBV 60R750**

Effective track length: 1,00 m 1-way (1,95 m 2-way)

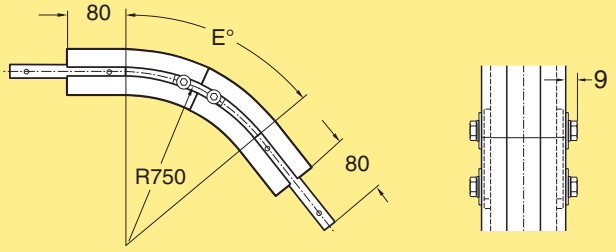
Vertical bend, 90°



Vertical bend, 90° **XKBV 90R750**

Effective track length: 1,40 m 1-way (2,70 m 2-way)

Vertical bend, 5°–90°

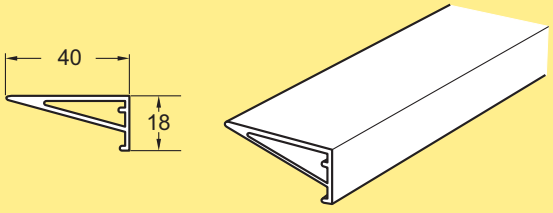


Vertical bend, 5°–90° **XKBV ER750**

The bend is cut in the middle to the desired angle and assembled using connecting strips. The angle "E" must be specified when ordering.

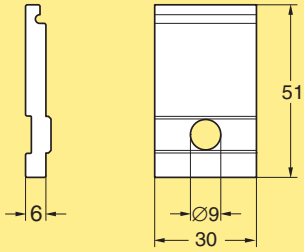
Angle plates XK

Angle plate, straight



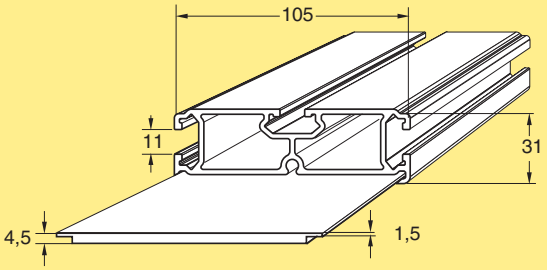
Angle plate
Length 3 m **XHRP 3**

Angle plate bracket



Angle plate bracket **3927082**

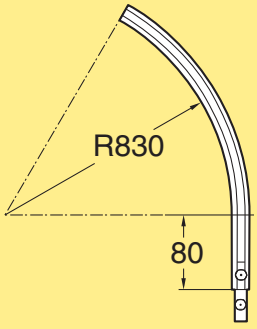
Front piece



Front piece
Length 3 m **XKVF 3**

Sliding strip for front piece
Length 2 m **XKVG 2**

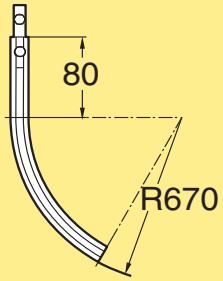
Front piece upper bend



Upper bend, 60° **XKVA 60R830**

Includes connecting strip with screws

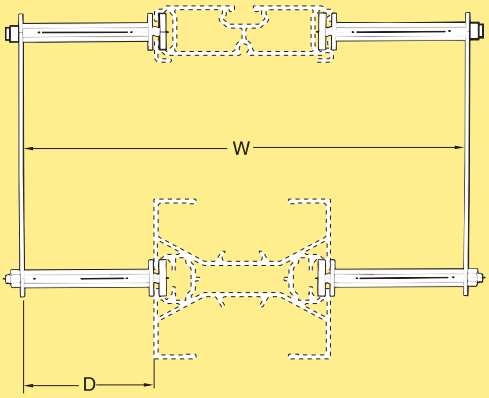
Front piece lower bend



Lower bend, 60° **XKVB 60R670**

Includes connecting strip with screws

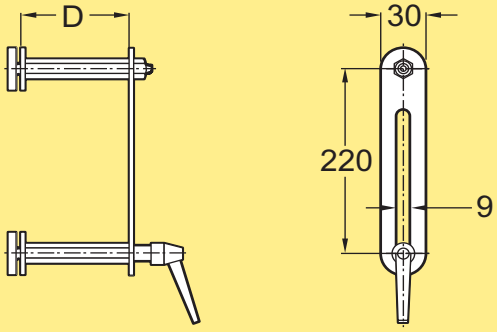
Linkage kit for front piece



Linkage kit
W=190, D=43 **XKVK 43**
W=290, D=93 **XKVK 93**

Kit consists of two support pairs and one locking device.

Bend support for front piece



Bend support
D=43 mm **XKVS 43**
D=93 mm **XKVS 93**

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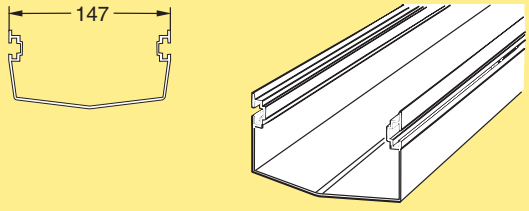
Drip trays XK

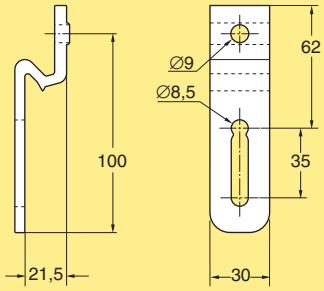
Drip tray



Drip tray
Length 3 m

XKDT 3×147

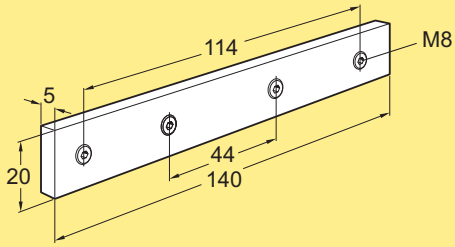
Drip tray bracket



Drip tray bracket

XLDB 21×100

Connecting strip



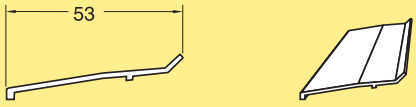
Connecting strip with set screws

XLCJ 5×140

Note. Contains 10 pcs.

Drip catchers XK

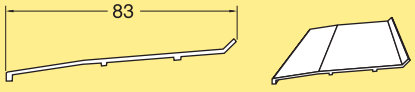
Drip catcher 53 mm



Drip catcher 53 mm
Length 3 m

XHDS 3×53

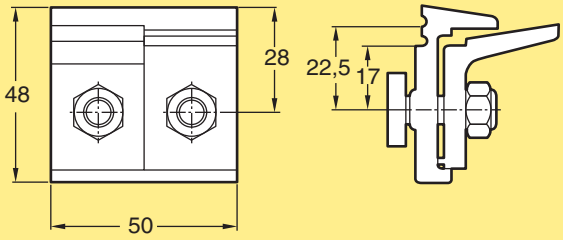
Drip catcher 83 mm



Drip catcher 83 mm
Length 3 m

XHDS 3×83

Drip catcher bracket assembly



Drip catcher bracket assembly
Height 23 mm

XHDR 23

Including T-bolts and nuts

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