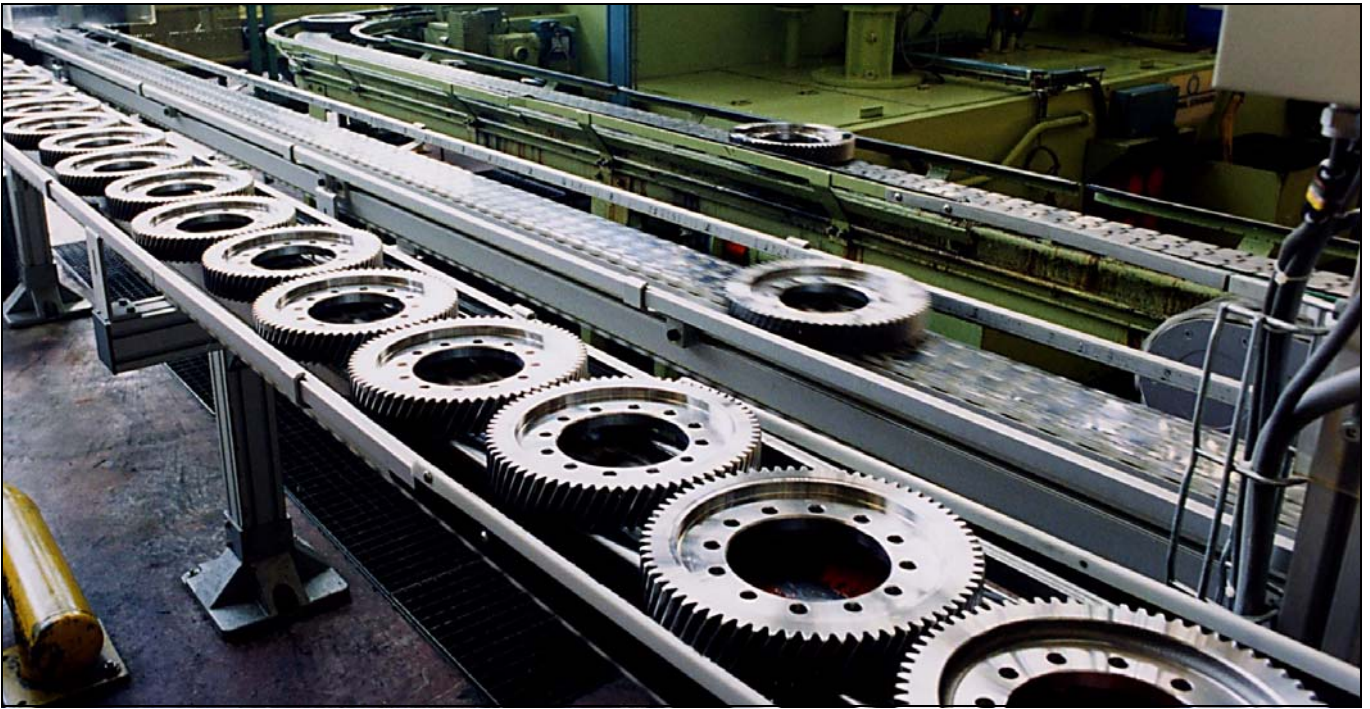
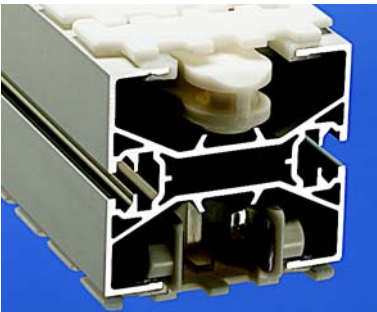


Conveyor system XK

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

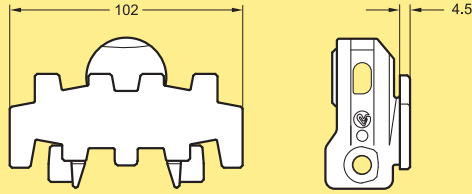
Ball and roller bearings, heavy boxes, gear wheels, motor parts on pallets, disk brakes, hydraulic pumps.

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

P0
X45
XS
XL
XLP
X85
X85P
XH
XK
XKP
XB
GR
CS
XT
XC
XF
XD
FST
XMY
XLX
XMX
GRX
CSX
ELV
CTL
TR
APX
IDX

Plain chain



Plain chain
Length 5 m

XKTP 5

Plain link kit *

5056639

Plain chain (Ultra low wear)
Length 5 m

XKTP 5 C

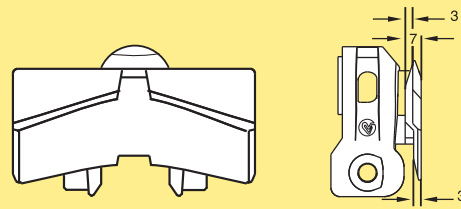
Plain link (Ultra low wear)

n.a.

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

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

Closed top chain



Closed top chain
Length 5 m

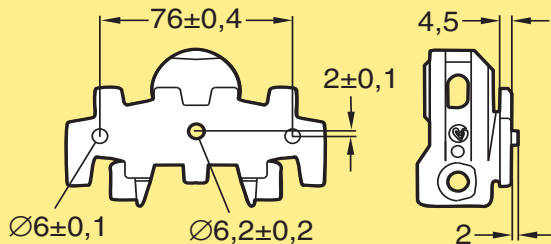
XKTP 5 A

Closed top link kit *

5056641

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

Universal chain



Universal chain
Length 5 m

XKTF 5 U#

Enter cleat frequency (1–10) instead of # in product designation.

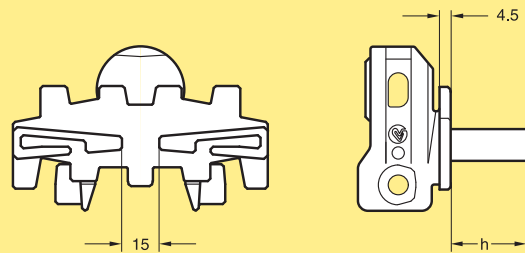
Universal link kit *

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*

Cleated chain, Type A



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

XKTF 5×15 A#
XKTF 5×20 A#
XKTF 5×30 A#
XKTF 5×40 A#

Enter cleat frequency (1–10) instead of # in product designation.

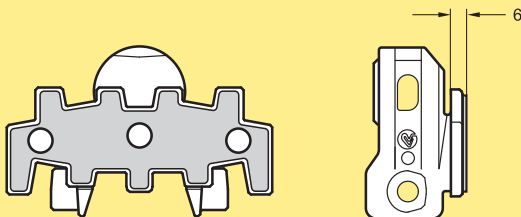
Cleated link kit *

h=15 mm
h=20 mm
h=30 mm
h=40 mm

5056645
5056646
5056647
5056648

** 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*

Other chains

See the *FlexLink chain guide* for a selection of other chains.


Chain installation

See Appendix D, page 417, for installation instructions.

Chain accessories XK

P0

Plastic pivot



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

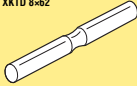
X45

XS

XL

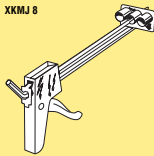
XLP

Steel pin



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

Pin insertion tool for chain



Pin insertion tool XK **XKMJ 8**

X85


X85P

XH

XK

XKP

Lubricant for chain



Silicone-based lubricant **LDSS 450**

Beams XK

XB

GR

CS

XT

XC

XF

XD

FST

XTM

XLX

XTM

GRX

CSX

ELV

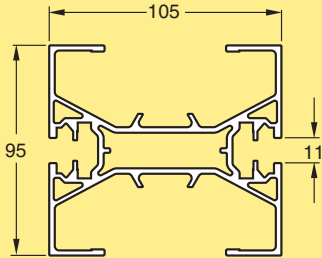
CTL

TR

APX

IDX

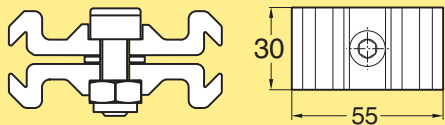
Conveyor beam, standard



Beam, standard
Length 3 m (3030 ±5 mm)
Length to order (30- 3000 mm) **XKCB 3**
XKCB L

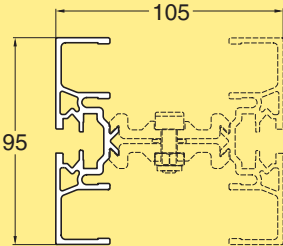
Slide rail: see page 182

Beam clip assembly



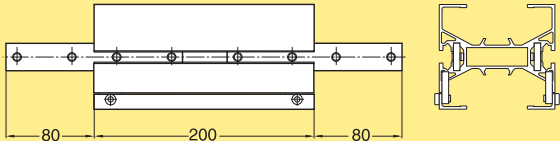
Beam clip assembly **XKCE 55x30**
Including M8 screw and locking nut. Use minimum 5 clips per meter. Place clips 100 mm from each end.

Profile for split conveyor beam



Profile for split conveyor beam
Length 3 m (3030 ±5 mm)
Length to order (30- 3000 mm) **XKCB 3 H**
XKCB L H

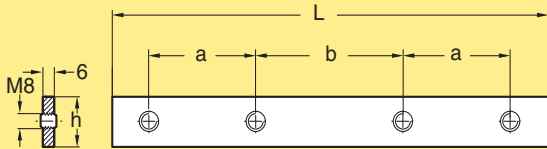
Beam section for chain installation



Beam section for chain installation **XKCC 200**
Including connecting strips and screws

Beam accessories XK

Connecting strip with set screws



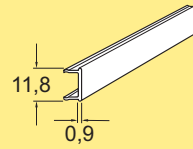
Connecting strip with set screws

$h=25$, $a=44$, $b=44$, $L=160$

XLCJ 6x160

Note. Must be ordered in multiples of 10

Cover strip for T-slot, aluminium



Cover strip for T-slot

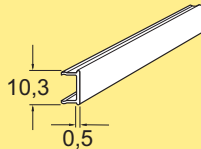
Aluminium, anodized

Length 2 m

XCAC 2

For XK-XB

Cover strip for T-slot, PVC



Cover strip for T-slot

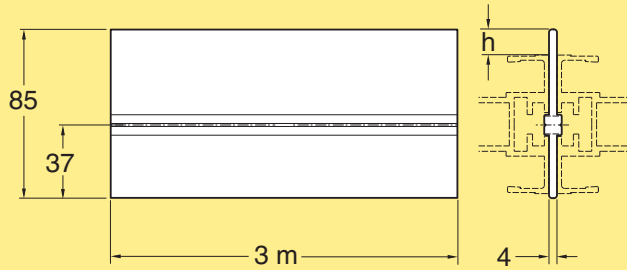
Grey PVC

Length 3 m

XCAC 3 P

For XK-XB

Beam spacer



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

Beam spacer

Aluminium, anodized

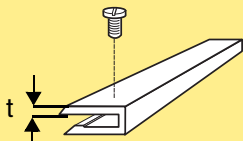
Length 3 m

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 ($\mu=0,15-0,35$) (Transparent white) ($t=2,5$)

XWCR 25 P

UHMW-PE ($\mu=0,1-0,25$) (White) ($t=2,6$)

XKCR 25 U

PA-PE ($\mu=0,1-0,25$) (Grey) ($t=2,45$)

XKCR 25 H

See Appendix A, page 407 for selection guidelines and assembly instructions.

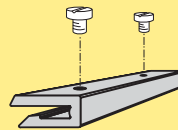
Mounting tool for slide rail



Mounting tool for slide rail XK

XKMR 200

Plastic screws for slide rail

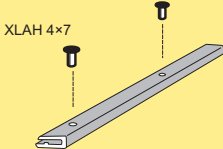


Plastic screws 5 mm for XK beams

XWAG 5

Note. Must be ordered in multiples of 50

Aluminium rivets



Aluminium rivets 4 mm for XK-XB conveyors, brown
XLAH 4x7

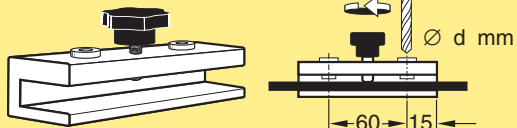
Extra slide rail in plain bends must be anchored using plastic screws due to lack of space for the rivet crimping tool.
Note. Must be ordered in multiples of 250.

Rivet crimping clamp



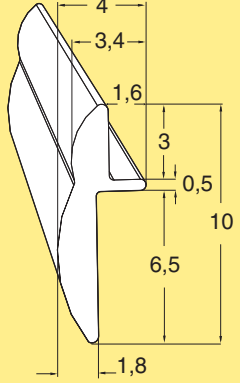
Rivet crimping clamp for XL-X85-XH-XK-XB
 For 4 mm rivets
3923005

Drill fixture for slide rail



Drill fixture for XL-X85-XH-XK-XB slide rail
 d=4,2 mm
3920500

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.

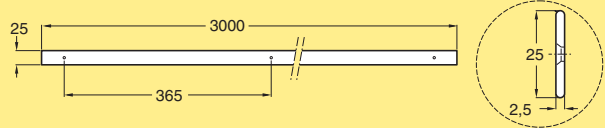
Rivet crimping pliers



Rivet crimping pliers for XL-X85-XH-XK-XB
 For 4 mm rivets
5051395

Slide rails, hardened steel XK

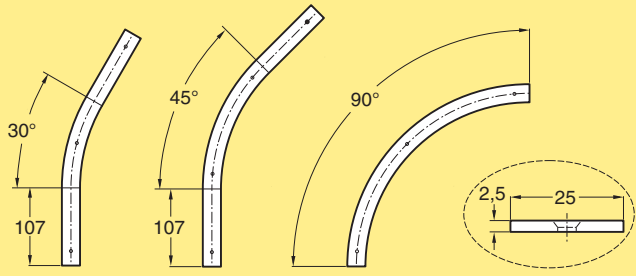
Straight slide rails for XK beams – hardened steel



Slide rail, hardened steel
 Length 3 m
XKCR 3 TH

With 9 predrilled holes.
See Appendix B, page 415 for assembly instructions.

Slide rails for XK bends – hardened steel

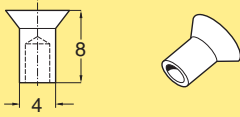


Slide rail for bends, hardened steel
 For 30° wheel bend **XKCR W30 TH**
 For 45° wheel bend **XKCR W45 TH**
 For 90° and 180° wheel bends **XKCR W90 TH**

For 180° bends: use two 90° slide rails.
See Appendix B, page 415 for assembly instructions.

Slide rails, hardened steel XK (continued)

Brass rivets

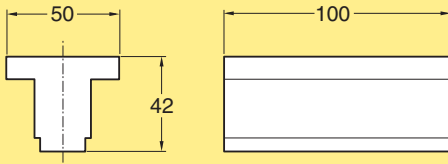


Brass rivets (100 pcs)

5056167

Rivets for anchoring the slide rails
See Appendix B, page 415 for assembly instructions.

Slide rail fixture



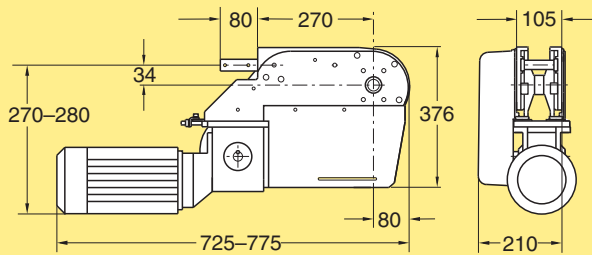
Slide rail fixture

5056186

The fixture is used when anchoring the slide rail. Two fixtures are required.
See Appendix B, page 415 for assembly instructions.

End drive units XK

End drive unit, suspended motor, slip clutch



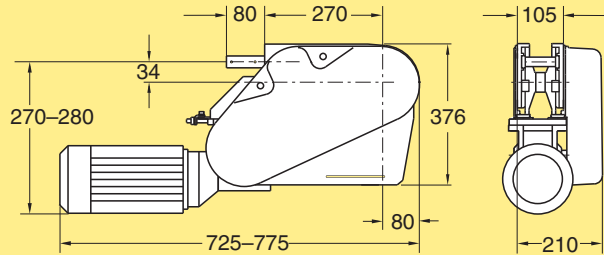
End drive unit

Suspended motor
Fixed speed up to 50 m/min
Transmission on left side
Fixed speed *
Without motor (ISO)
Without motor (ANSI)

XKEB
XKEB 0 L
XKEB 0 LA

Maximum traction force: 1250 N. See page 19.
* Use online configurator when ordering.
Effective track length: 0,85 m

End drive unit, suspended motor, slip clutch



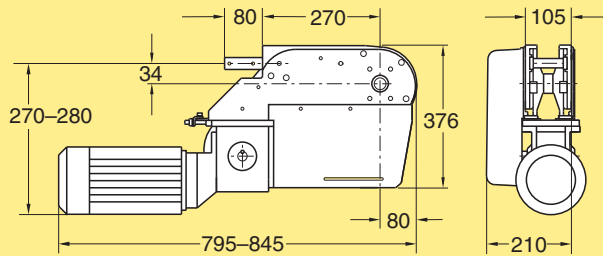
Drive unit

Suspended motor
Fixed speed up to 50 m/min
Transmission on right side
Fixed speed *
Without motor (ISO)
Without motor (ANSI)

XKEB
XKEB 0 R
XKEB 0 RA

Maximum traction force: 1250 N. See page 19.
* Use online configurator when ordering.
Effective track length: 0,85 m

End drive unit, suspended motor, slip clutch

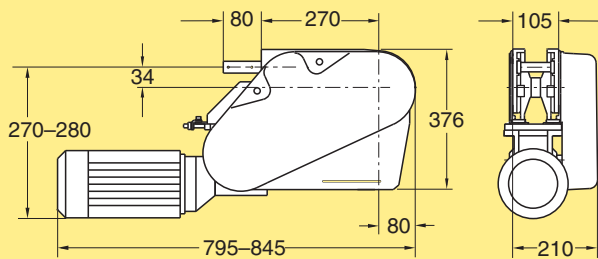


End drive unit, high capacity
 Suspended motor
 Fixed speed up to 25 m/min
 Transmission on left side
 Fixed speed *
 Without motor (ISO)
 Without motor (ANSI)

XKEB
XKEB 0 HL
XKEB 0 HLA

Maximum traction force: 2500 N. See page 19.
 * Use online configurator when ordering.
 Effective track length: 0,85 m

End drive unit, suspended motor, slip clutch



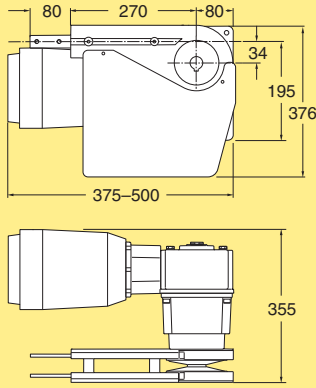
End drive unit, high capacity
 Suspended motor
 Fixed speed up to 25 m/min
 Transmission on right side
 Fixed speed *
 Without motor (ISO)
 Without motor (ANSI)

XKEB
XKEB 0 HR
XKEB 0 HRA

Maximum traction force: 2500 N. See page 19.
 * Use online configurator when ordering.
 Effective track length: 0,85 m

End drive units XK, direct drive with slip clutch

End drive unit, direct drive with slip clutch

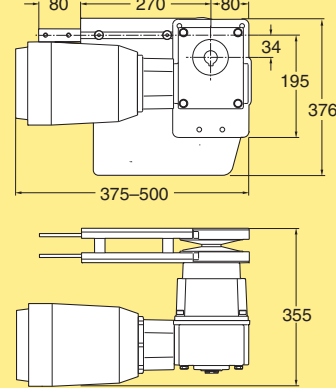


End drive unit, direct drive
 Fixed speed up to 60 m/min
 Variable speed: see Page 403
 Motor on left side
 Fixed/variable speed *
 Without motor

XKEB
XKEB 0 LP

Maximum traction force: 1250 N. See page 19.
 * Use online configurator when ordering.
 Effective track length: 0,80 m

End drive unit, direct drive with slip clutch



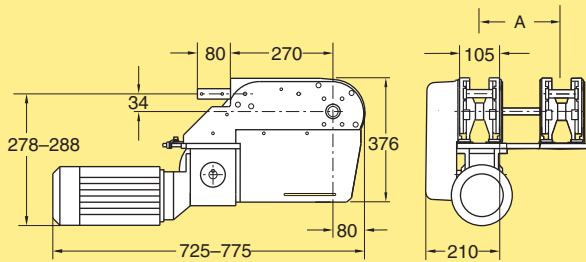
End drive unit, direct drive
 Fixed speed up to 60 m/min
 Variable speed: see Page 403
 Motor on right side
 Fixed/variable speed *
 Without motor

XKEB
XKEB 0 RP

Maximum traction force: 1250 N. See page 19.
 * Use online configurator when ordering.
 Effective track length: 0,80 m

Double drive units XK

Double drive unit, suspended



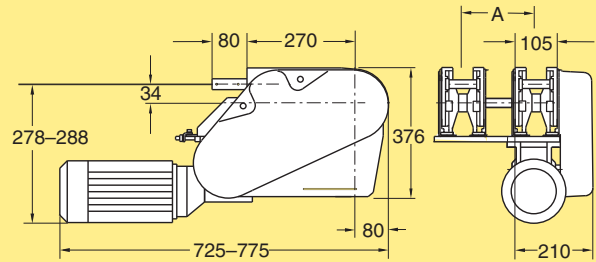
Double drive unit
 Fixed speed up to 50 m/min
 Suspended motor
 Transmission on left side
 A = 106 mm
 Fixed speed *
 Without motor (ISO)
 Without motor (ANSI)

XKEB DD
XKEB 0 LD106
XKEB 0 LAD106

A = 150-350 mm*
 Without motor (ISO)
 Without motor (ANSI)

Maximum traction force: 1250 N. See page 19.
 * Use online configurator when ordering.
 Effective track length: 0,85 m

Double drive unit, suspended



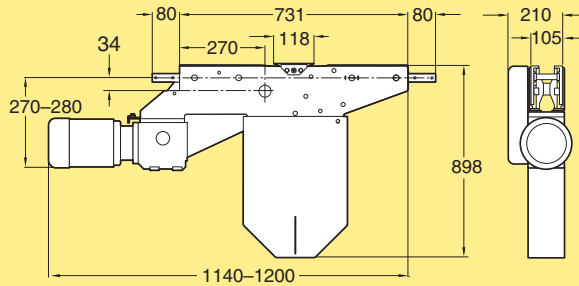
Double drive unit
 Fixed speed up to 50 m/min
 Suspended motor
 Transmission on right side
 A = 106 mm
 Fixed speed *
 Without motor (ISO)
 Without motor (ANSI)

XKEB DD
XKEB 0 RD106
XKEB 0 RAD106

A = 150-350 mm*
 Without motor (ISO)
 Without motor (ANSI)

Maximum traction force: 1250 N. See page 19.
 * Use online configurator when ordering.
 Effective track length: 0,85 m

Catenary drive unit, suspended

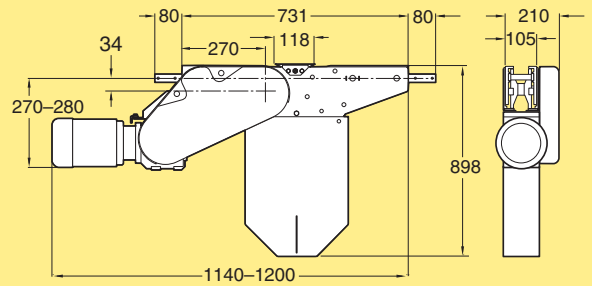


Catenary drive unit
Suspended motor
Fixed speed up to 30 m/min
Transmission on left side
Fixed speed*
Without motor (ISO)
Without motor (ANSI)

XKEC
XKEC 0 L
XKEC 0 LA

Maximum traction force: 1250 N. See page 19.
** Use online configurator when ordering.*
Effective track length: 1,60 m

Catenary drive unit, suspended

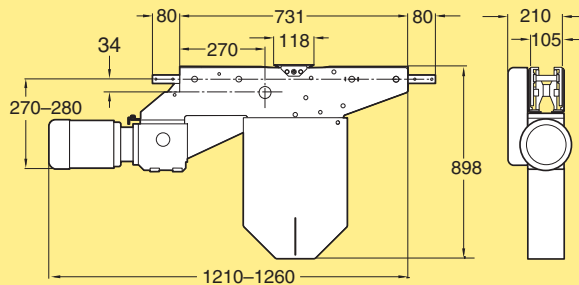


Catenary drive unit
Suspended motor
Fixed speed up to 30 m/min
Transmission on right side
Fixed speed*
Without motor (ISO)
Without motor (ANSI)

XKEC
XKEC 0 R
XKEC 0 RA

Maximum traction force: 1250 N. See page 19.
** Use online configurator when ordering.*
Effective track length: 1,60 m

Catenary drive unit, suspended

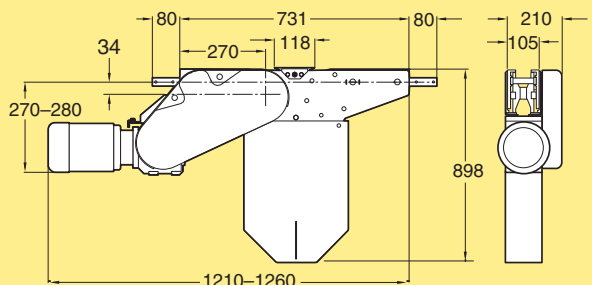


Catenary drive unit, high capacity
Suspended motor
Fixed speed up to 25 m/min
Transmission on left side
Fixed speed*
Without motor (ISO)
Without motor (ANSI)

XKEC
XKEC 0 HL
XKEC 0 HLA

Maximum traction force: 2500 N. See page 19.
** 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*
Without motor (ISO)
Without motor (ANSI)

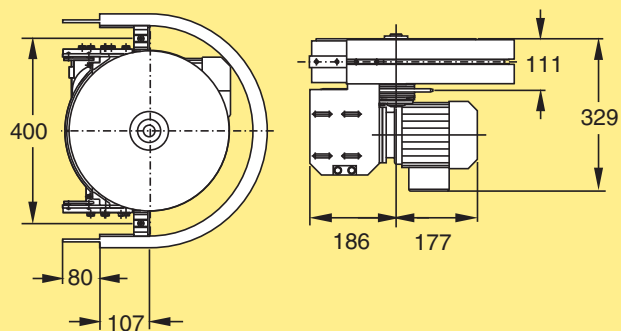
XKEC
XKEC 0 HR
XKEC 0 HRA

Maximum traction force: 2500 N. See page 19.
** Use online configurator when ordering.*
Effective track length: 1,60 m

P0
X45
XS
XL
XLP
X85
X85P
XH
XK
XKP
XB
GR
CS
XT
XC
XF
XD
FST
XMY
XLX
XMX
GRX
CSX
ELV
CTL
TR
APX
IDX

Horizontal bend drive unit XK

Horizontal bend drive unit, 180°



Horizontal bend drive unit, 180°

Fixed speed up to 30 m/min

Fixed speed*

Without motor (ISO)

Without motor (ANSI)

XKEW

XKEW 180/0

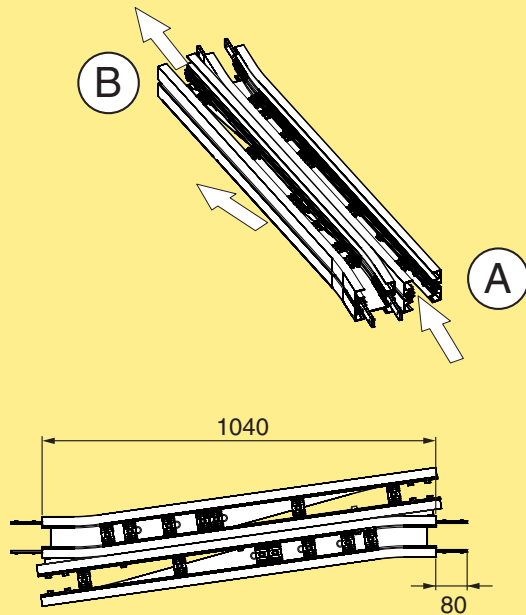
XKEW 180/0 A

Maximum traction force: 200 N. See page 19.

* Use online configurator when ordering.

Effective track length: 0,85 m

X-Bend



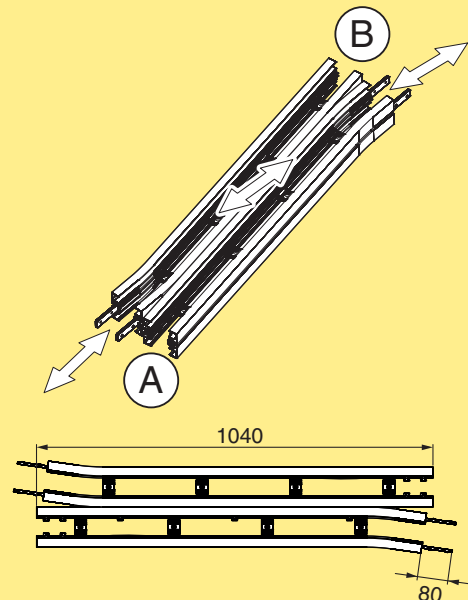
X-bend for top chain

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
Include a special arrangement for connecting beam support brackets

X-Bend



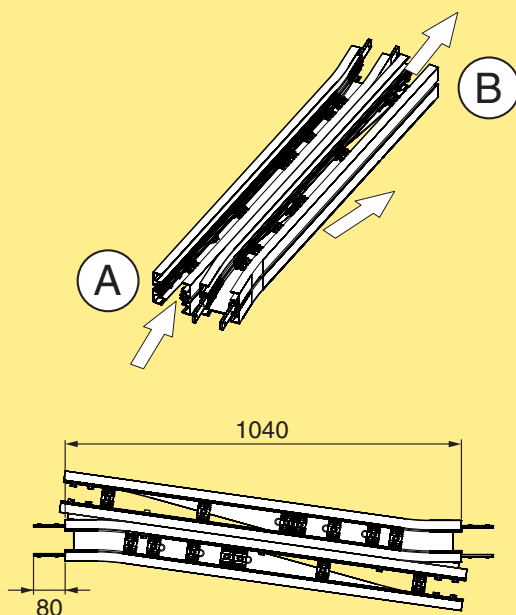
X-bend for return chain

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

XKCX 105 D

Effective track length: 4,3 m
Include a 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)

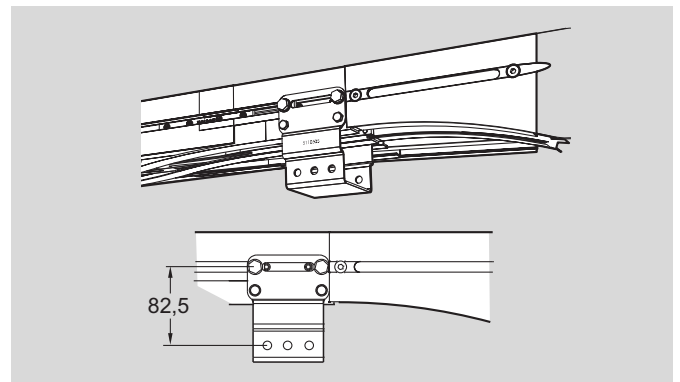
XKCX 105 L

Effective track length: 3,3 m
Include a special arrangement for connecting beam support brackets

Support components for X-bends

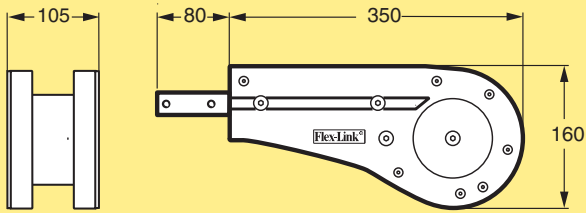
X-bends include a special arrangement for connecting beam support brackets. Instead of connecting the brackets directly to the T-slots in the beams, intermediate U-shaped brackets are used. These brackets are included with the transfer units. See figure.

Support legs to the transfer must be 82,5 mm shorter than other legs connected along the conveyor. Use M6S 8x16 screws instead of XLAT 17 when attaching the beam support bracket to the U-shaped brackets. Read more about beam support brackets on page 251.



Idler units XK

Idler end unit

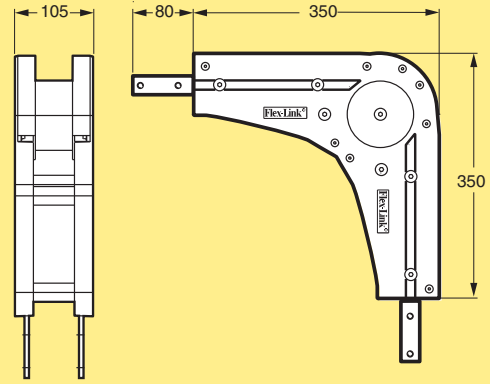


Idler end unit

XKEJ 350

Effective track length: 0,85 m

Idler bend unit, 90°



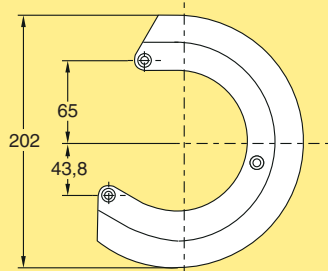
Idler bend unit, 90°

XKEK 90R70

Effective track length: 0,70 m

Note. Cannot be used with return chain

Protective cover for idler end unit

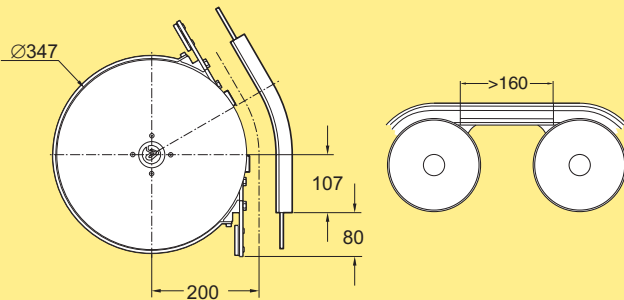


Protective cover for idler end unit

XKSJ 202

Wheel bends XK

Wheel bend, 30°

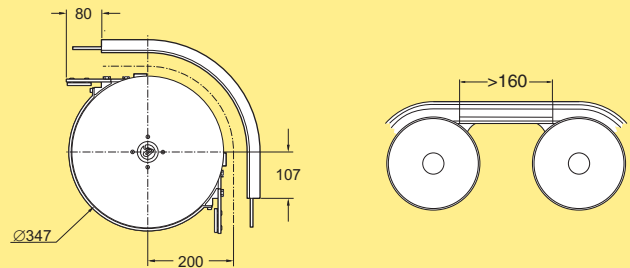


Wheel bend, 30°

XKBH 30R200

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

Wheel bend, 90°

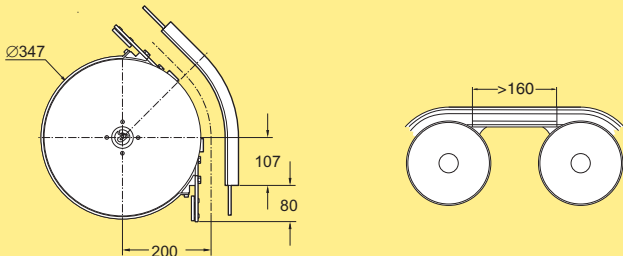


Wheel bend, 90°

XKBH 90R200

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

Wheel bend, 45°

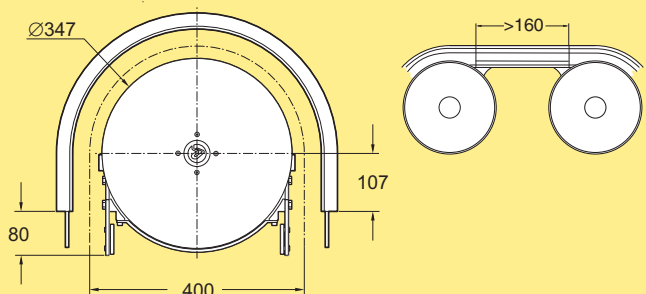


Wheel bend, 45°

XKBH 45R200

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

Wheel bend, 180°



Wheel bend, 180°

XKBH 180R200

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

Horizontal plain bends XK

- P0
- X45
- XS
- XL
- XLP
- X85
- X85P
- XH
- XK**
- XKP
- XB
- GR
- CS
- XT
- XC
- XF
- XD
- FST
- XTM
- XLX
- XTX
- GRX
- CSX
- ELV
- CTL
- TR
- APX
- IDX

Horizontal plain bend, 30°

Horizontal plain bend, $30^\circ \pm 1^\circ$

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)

Horizontal plain bend, 45°

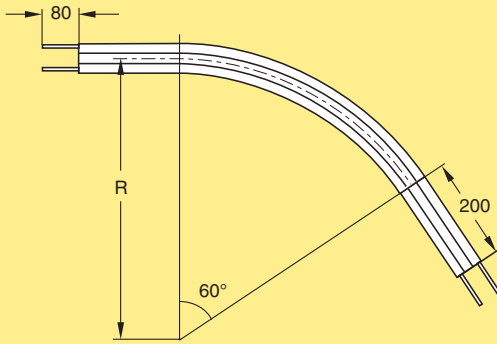
Horizontal plain bend, $45^\circ \pm 1^\circ$

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)

Horizontal plain bends XK (continued)

Horizontal plain bend, 60°



Horizontal plain bend, 60°±1°

R=500±10 mm

R=700±10 mm

R=1000±10 mm

XKBP 60R500

XKBP 60R700

XKBP 60R1000

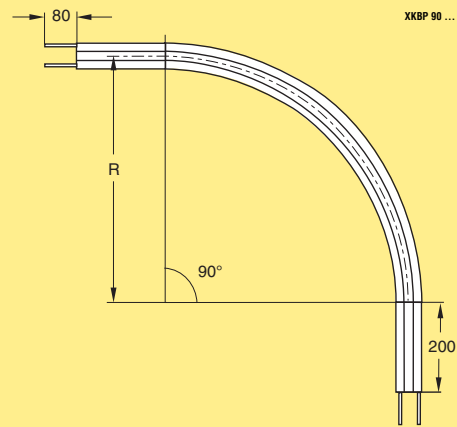
Effective track lengths:

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)

Horizontal plain bend, 90°



Horizontal plain bend, 90°±1°

R=500±10 mm

R=700±10 mm

R=1000±10 mm

XKBP 90R500

XKBP 90R700

XKBP 90R1000

Effective track lengths:

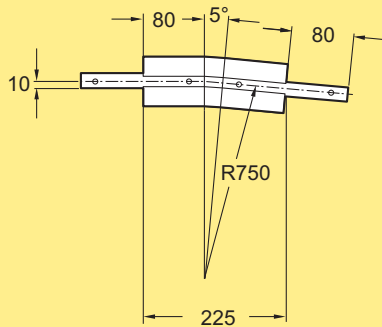
R500: 1,20 m 1-way (2,40 m 2-way)

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°

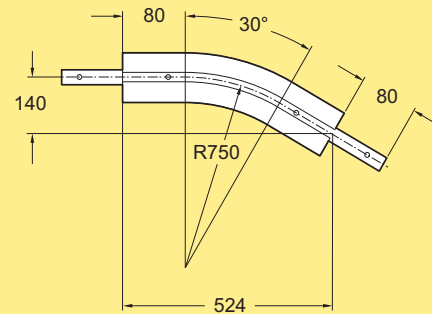


Vertical bend, 5°

XKBV 5R750

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

Vertical bend, 30°

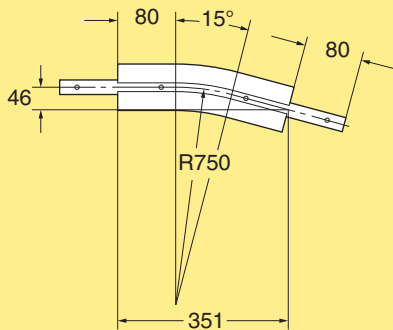


Vertical bend, 30°

XKBV 30R750

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

Vertical bend, 15°

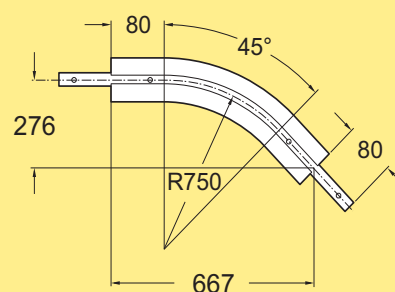


Vertical bend, 15°

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)

Vertical bends XK (continued)

P0
X45
XS
XL
XLP
X85
X85P
XH
XK
XKP
XB
GR
CS
XT
XC
XF
XD
FST
XMY
XLX
XMX
GRX
CSX
ELV
CTL
TR
APX
IDX

Vertical bend, 60°

Vertical bend, 60° **XKBV 60R750**
Effective track length: 1,00 m 1-way (1,95 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.

Vertical bend, 90°

Vertical bend, 90° **XKBV 90R750**
Effective track length: 1,40 m 1-way (2,70 m 2-way)

Angle plates XK

Angle plate, straight

Angle plate
Length 3 m **XHRP 3**

Angle plate for 180° bend

Angle plate for 180° bend
Inner radius 252,5 mm **XKRM 180**
Used with XKBH 180R200 and XKEW 180/5

Angle plate for 90° bend

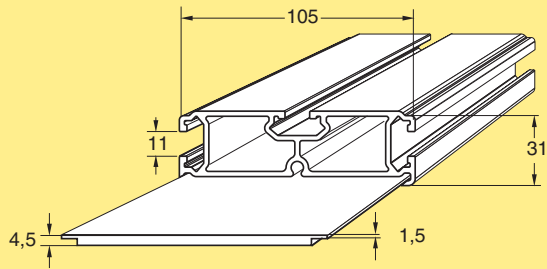
Angle plate for 90° bend
Inner radius 252,5 mm **XKRM 90**
Used with XKBH 90R200

Angle plate bracket

Angle plate bracket **3927082**

Front piece XK

Front piece



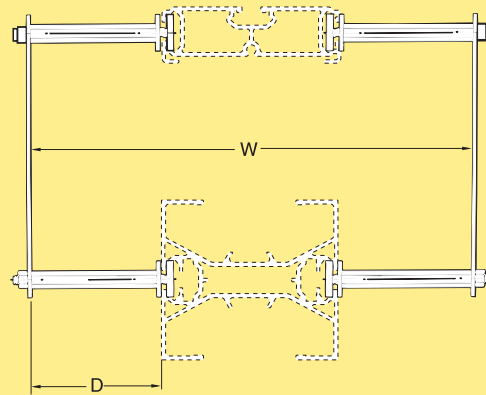
Front piece
Length 3 m

XKVF 3

Sliding strip for front piece
Length 2 m

XKVG 2

Linkage kit for front piece



Linkage kit

W=190, D=43

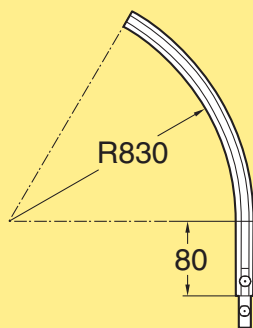
XKVK 43

W=290, D=93

XKVK 93

Kit consists of two support pairs and one locking device.

Front piece upper bend

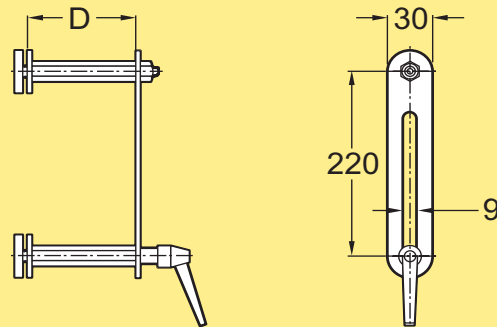


Upper bend, 60°

XKVA 60R830

Includes connecting strip with screws

Bend support for front piece



Bend support

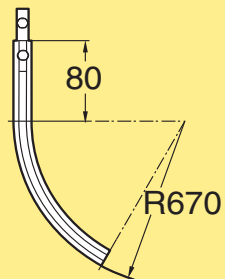
D=43 mm

XKVS 43

D=93 mm

XKVS 93

Front piece lower bend



Lower bend, 60°

XKVB 60R670

Includes connecting strip with screws

Drip tray

Drip tray
Length 3 m

XKDT 3x147

Connecting strip

Connecting strip with set screws **XLCJ 5x140**

Note. Must be ordered in multiples of 10

X45
XS
XL
XLP
X85

Drip tray bracket

Drip tray bracket

XLDB 21x100

End pan for drip tray

End pan for drip tray
With drip outlet

XKDE 147 A

Including screw kit

X85P
XH
XK
XKP

Drip tray connector

Drip tray connector
With drip outlet

XKDJ 147 A

Including screw kit

End cap for drip tray

End cap for drip tray

XKDC 147 A

Including screw kit

GR
CS
XT
XC
XF

Drip tray connector with drip catcher

Drip tray connector with integrated
drip catcher
With drip outlet

XKDJ 147 AW

Including screw kit

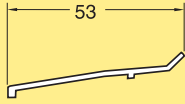
XD
FST
XMY
XLX
XMX

GRX
CSX
ELV
CTL
TR

APX
IDX

Drip catchers XK

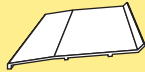
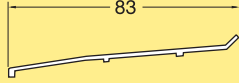
Drip catcher 53 mm



Drip catcher 53 mm
Length 3 m

XHDS 3x53

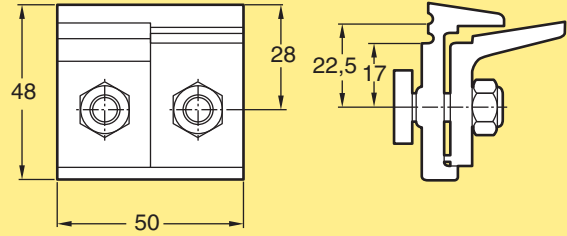
Drip catcher 83 mm



Drip catcher 83 mm
Length 3 m

XHDS 3x83

Drip catcher bracket assembly



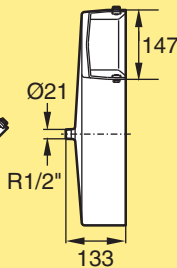
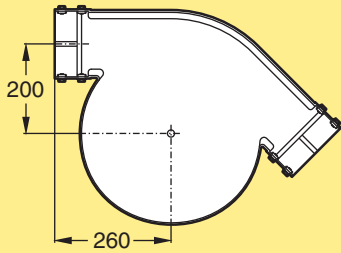
Drip catcher bracket assembly
Height 23 mm

XHDR 23

Including T-bolts and nuts

Drip pans XK

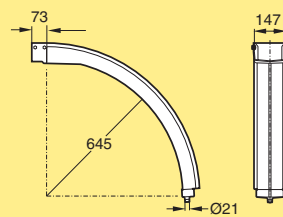
Drip pan for wheel bend 45°



Drip pan for wheel bend 45°
Including screw kit

XKDH 45x147 A

Drip pan, upper, for 90° vertical bend

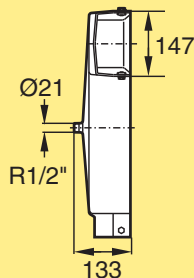
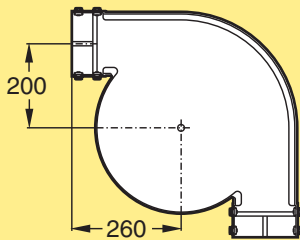


Drip pan, upper, for 90° vertical bend
With drip outlet

XKDV 90x147 A

Including screw kit

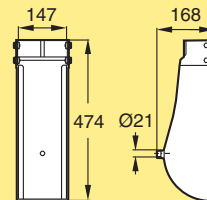
Drip pan for wheel bend 90°



Drip pan for wheel bend 90°
Including screw kit

XKDH 90x147 A

End pan for idler end unit

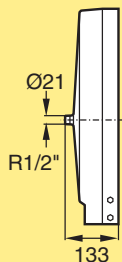
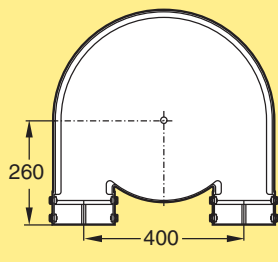


End pan for idler end unit
With drip outlet

XKDD 147 A

Including screw kit

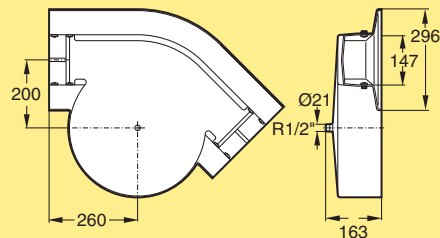
Drip pan for wheel bend 180°



Drip pan for wheel bend 180°
Including screw kit

XKDH 180x147 A

Drip pan 45° with drip catcher

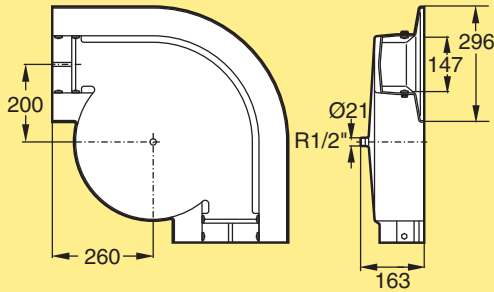


Drip pan for wheel bend 45°
With integrated drip catcher

XKDH 45x147 AW

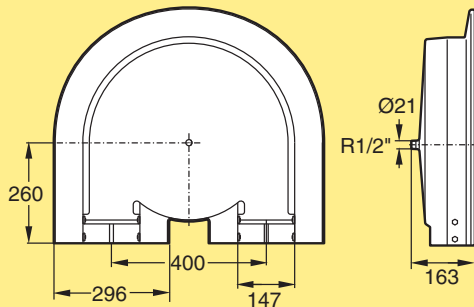
Including screw kit

Drip pan 90° with drip catcher



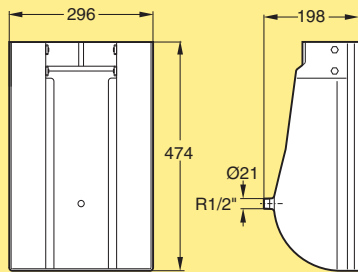
Drip pan for wheel bend 90°
With integrated drip catcher **XKDH 90x147 AW**
Including screw kit

Drip pan 180° with drip catcher



Drip pan for wheel bend 180°
With integrated drip catcher **XKDH 180x147 AW**
Including screw kit

End pan with drip catcher, for idler end unit



End pan for idler end unit
With integrated drip catcher
and drip outlet **XKDD 147 AW**
Including screw kit

