

Conveyor support components

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Beams, brackets and feet



Beams

Most conveyor support designs are based on vertical support beams combined, if necessary, with horizontal support beams. The conveyor must be supported at regular intervals not exceeding 3 m. The support beams come in dimensions suitable for all conveyor sizes.

Beam support brackets

Conveyor beam support brackets are used to connect the conveyor to the support system. Brackets are available for connection to vertical and horizontal support beams.

Feet

A selection of feet is available, ranging from heavy-duty die-cast aluminium feet to adjustable feet and foot plates.

Standard support solutions

This catalogue section lists components for a selection of standard, well proven support solutions. For applications requiring special support designs, additional components can be found in catalogue sections *Structural system*.

The structural system includes beams, feet, and several types of beam connecting devices, as well as a large selection of enclosure components.

Product configurator

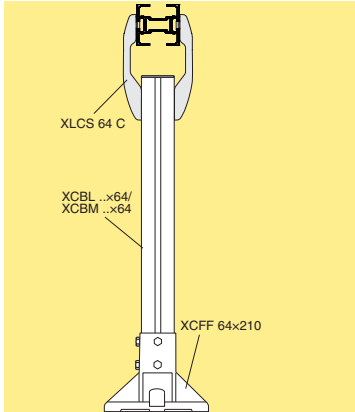
A number of standard support solutions can be ordered by means of a product configurator.

Please contact FlexLink Systems for more information.

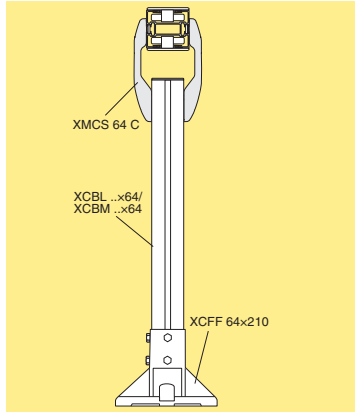
- PO
- CC
- X45
- XS
- X65
- X65P
- X85
- X85P
- XH
- XK
- XKP
- X180
- X300
- GR
- CS
- XT
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- XD
- ELV
- CTL
- FST
- TR
- APX
- IDX

Conveyor support designs

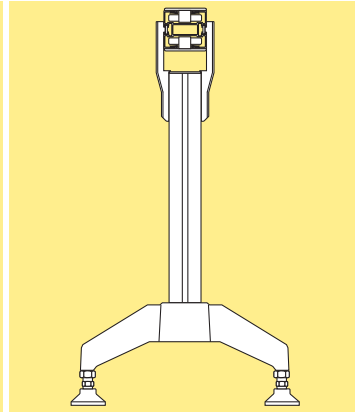
Single support X65



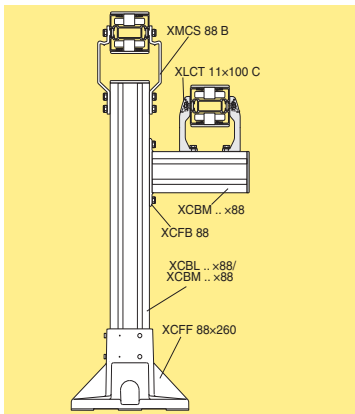
Single support X85



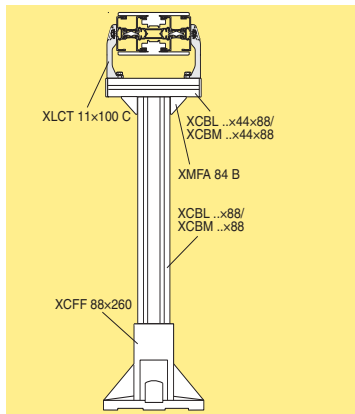
Single support X85



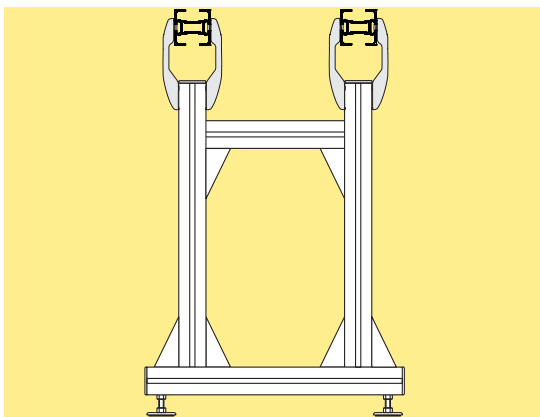
Single support – X85x2



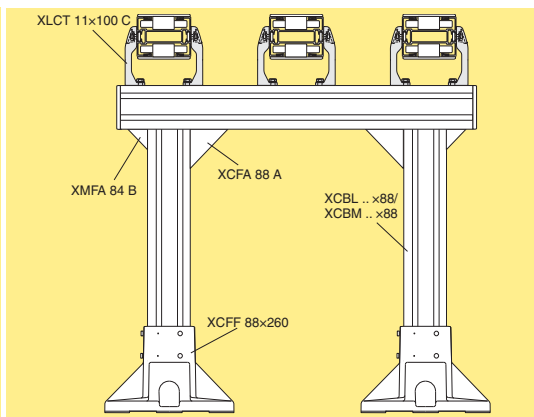
Single support X180/X300



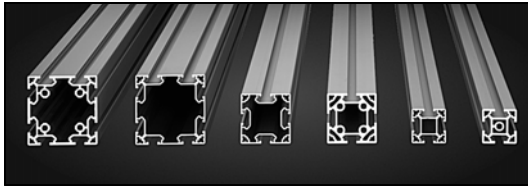
Double support – X65x2



Double support – XHx3



Support beams

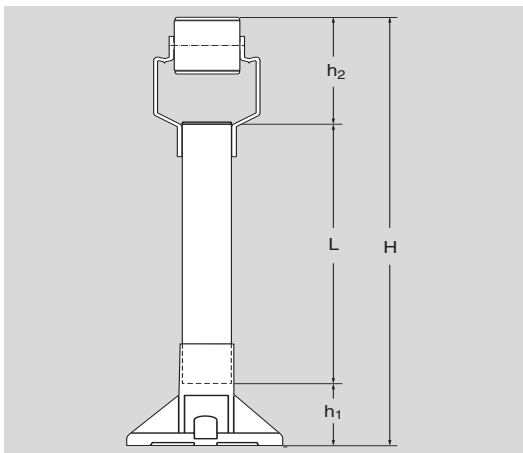


Standard and lightweight beams

The following table lists suitable beams for conveyor support from the Structural system XC product line. The beams come in standard and lightweight versions. The standard lengths is 3 m. Beams cut to custom length (L) can also be delivered. The table also lists suitable feet and foot plates. Other foot arrangements are also possible.

Dimensions (mm)	Designation	Foot	Foot plate
44x44 standard	XCBL 3/Lx44	XCFF 44x130	XCFB 44 F
44x44 lightweight	XCBL 3/Lx44	XCFF 44x130	XCFB 44 F
64x64 standard	XCBL 3/Lx64	XCFF 64x210 XEFG 64 T/D	n.a.
64x64 lightweight	XCBL 3/Lx64	XCFF 64x210 XEFG 64 T/D	n.a.
88x88 standard	XCBL 3/Lx88	XCFF 88x260	XCFB 88 F
88x88 lightweight	XCBL 3/Lx88	XCFF 88x260	XCFB 88 F

Beam cutting length



The beam length required to obtain a specific conveyor height H depends on the conveyor size, foot type and beam support bracket. See figure. Type CS beam support brackets are used. Read more about beam support brackets on page 320. Feet: see page 323.

In the following formula H represents the height from the floor to the top of a standard plain chain. Most support combinations permit height adjustment both at the foot and at the beam support bracket.

$$L = H - h_1 - h_2$$

Net height of foot h_1

Foot type	h_1 mm
Foot plate XCFB 44 F/XCFB 88 F	8
Foot XCFF 44x130	0–30
Foot XCFF 64x210	0–40
Foot XCFF 88x260	0–50

Height h_2 of beam support bracket + half beam height

Beam	Bracket type	h_2 mm				
		XS	X65	X85	XH	XK
44x44 mm	XSCS 44	156	–	–	–	–
44x44 mm	XLCS 44	–	156	–	–	–
44x44 mm	XLCS 64 P	118	–	–	–	–
64x64 mm	XSCS 64	155	–	–	–	–
64x64 mm	XLCS 64	–	155	–	–	–
64x64 mm	XLCS 64 P	–	119	–	–	–
64x64 mm	XLCS 64 C	–	140	–	–	–
64x64 mm	XMCS 64 C	–	170	–	–	–
64x64 mm	XMCS 64 P	–	125	–	–	–
64x64 mm	XHCS 64 B	–	–	181	–	–
88x88 mm	XLCS 88	–	155	–	–	–
88x88 mm	XMCS 88 B	–	181	–	–	–
88x88 mm	XHCS 88 B	–	–	181	–	–
88x88 mm	XKCS 88 R	–	–	–	212	–

See “Beam support brackets” for more information.

Interconnecting support beams

Combinations of support beams are used for example to support multitrack conveyors. A selection of angle brackets and mounting plates from Structural system XC are available for interconnections. See page 322.

PO

CC

X45

XS

X65

X65P

X85

X85P

XH

XK

XKP

X180

X300

GR

CS

XT

WL

WK

XC

XF

XD

ELV

CTL

FST

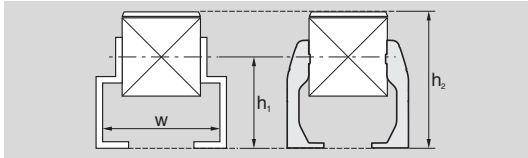
TR

APX

IDX

Beam support brackets – selection guide

Type CT for crossing support beam 64/88 mm



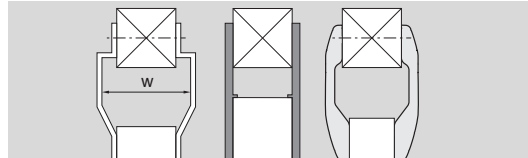
Bracket type	Height to top of chain h_2 mm						Comments
	XS	X65	X85	XH	XK	X180/ X300	
XLCT 11×100 C	137	137	144	144	157	146	$h_1=100$ mm
XLCT 21×135 B	172	172	179	179	192	181	$h_1=135$ mm
XLCT 21×158 R	195	195	202	202	215	204	$h_1=158$ mm
Width W:							
XLCT 11×100 C	67	87	107	127	127	204/322	
XLCT 21×135 B	87	107	127	147	147	224	
XLCT 21×158 R	87	107	127	147	147	224	

Aluminium, diecast

Type XLCT 21×158 R is intended for 88 mm crossing beam

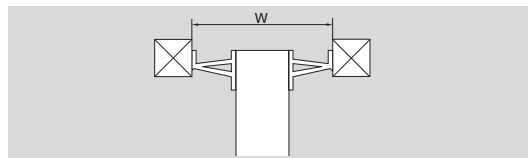
The heights above chain refer to standard plain chain.

Type CS for vertical support beam 64 mm



Bracket type	XS	X65	X85	XH	XK	Comments
	W mm	W mm	W mm	W mm	W mm	
XSCS 64	87	–	–	–	–	
XLCS 64 P	–	–	–	–	–	Polyamide
XLCS 64 C	–	87	–	–	–	Aluminium, diecast
XMCS 64 C	–	–	107	–	–	Aluminium, diecast
XMCS 64 P	–	–	85	–	–	Polyamide
XHCS 64 B	–	–	–	147	–	–

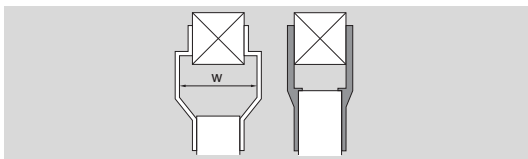
Type CU for vertical support beam 88 mm



Bracket type	XS	X65	X85	XH	XK	Comments
	W mm	W mm	W mm	W mm	W mm	
XLCS 44	87	–	–	–	–	
XLCS 44	–	107	–	–	–	
XLCS 64 P	45	–	–	–	–	Polyamide

Bracket type	XS	X65	X85	XH	XK	Comments
	W mm	W mm	W mm	W mm	W mm	
XLCS 44	87	–	–	–	–	
XLCS 44	–	107	–	–	–	
XLCS 64 P	45	–	–	–	–	Polyamide

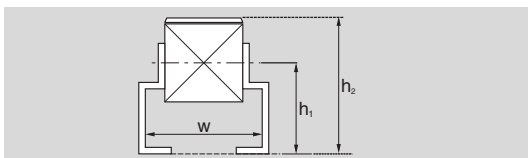
Type CS for vertical support beam 44 mm



Bracket type	XS	X65	X85	XH	XK	Comments
	W mm	W mm	W mm	W mm	W mm	
XSCS 44	87	–	–	–	–	
XLCS 44	–	107	–	–	–	
XLCS 64 P	45	–	–	–	–	Polyamide

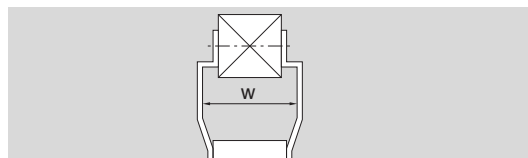
Beam support brackets for drip trays

Type CT for crossing support beam 64/88 mm



Bracket type	Height to top of chain h_2 mm				Comments
	X65	X85	XH	XK	
XLCT 21×135 B	172	179	179	192	$h_1=135$ mm
XLCT 21×158 R	195	202	202	215	$h_1=158$ mm
Width W:					
XLCT 21×135 B	107	127	147	147	
XLCT 21×158 R	107	127	147	147	

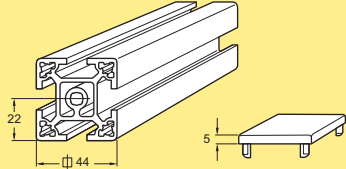
Type CS for vertical support beam 88 mm



Bracket type	X65	X85	XH	XK	Comments
	W mm	W mm	W mm	W mm	
XLCS 88	107	–	–	–	
XMCS 88 B	–	127	–	–	
XHCS 88 B	–	–	147	147	
XKCS 88 R	–	–	–	147	

Support beams 44 mm

Support beam 44x44

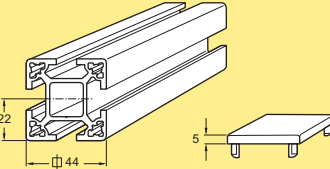


Support beam 44 mm × 44 mm
 Length 3 m (3030 ±5 mm) **XCBM 3×44**
 Length to order (30- 3000 mm) **XCBM L×44**

End cap, polyamide **XCBE 44**

Note. Must be ordered in multiples of 10

Support beam 44x44, lightweight



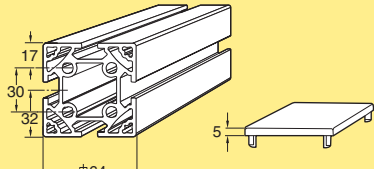
Support beam 44 mm × 44 mm, light
 Length 3 m (3030 ±5 mm) **XCBL 3×44**
 Length to order (30- 3000 mm) **XCBL L×44**

End cap, polyamide **XCBE 44**

Note. Must be ordered in multiples of 10

Support beams 64 mm

Support beam 64x64

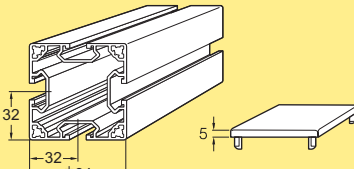


Support beam 64 mm × 64 mm
 Length 3 m (3030 ±5 mm) **XCBM 3×64**
 Length to order (30- 3000 mm) **XCBM L×64**

End cap, polyamide **XCBE 64**

Note. Must be ordered in multiples of 10

Support beam 64x64, lightweight



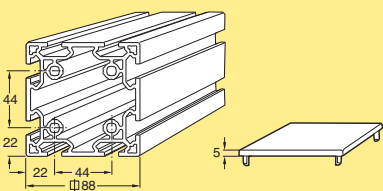
Support beam 64 mm × 64 mm, light
 Length 3 m (3030 ±5 mm) **XCBL 3×64**
 Length to order (30- 3000 mm) **XCBL L×64**

End cap, polyamide **XCBE 64**

Note. Must be ordered in multiples of 10

Support beams 88 mm

Support beam 88x88

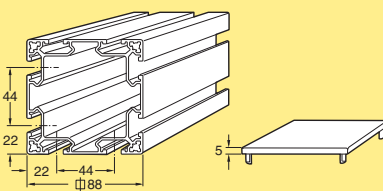


Support beam 88 mm × 88 mm
 Length 3 m (3030 ±5 mm) **XCBM 3×88**
 Length to order (30- 3000 mm) **XCBM L×88**

End cap, polyamide **XCBE 88**

Note. Must be ordered in multiples of 10

Support beam 88x88, lightweight



Support beam 88 mm × 88 mm, light
 Length 3 m (3030 ±5 mm) **XCBL 3×88**
 Length to order (30- 3000 mm) **XCBL L×88**

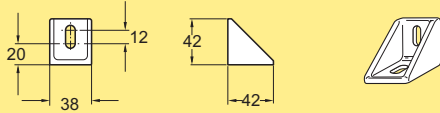
End cap, polyamide **XCBE 88**

Note. Must be ordered in multiples of 10

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

Angle brackets and mounting plates

Angle bracket, die-cast, 42×42×38

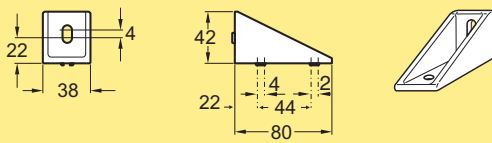


Angle bracket
Aluminium, die-cast

XCFA 44 B

For use with 44×44 mm and 64×64 mm beams
Mounting: M6S 8×16 (2), BRB 8.4×16 (2), XCAN 8 (2)

Angle bracket, die-cast, 80×42×38

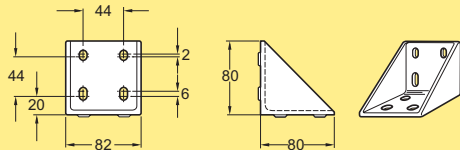


Angle bracket
Aluminium, die-cast

XCFA 44 C

For use with 44×44 mm and 64×64 mm beams
Mounting: M6S 8×16 (3), BRB 8.4×16 (3), XCAN 8 (3)

Angle bracket, die-cast, 80×80×82

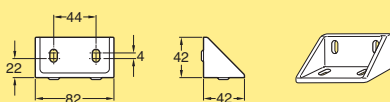


Angle bracket
Aluminium, die-cast

XCFA 88 A

For use with 88×88 mm beams
Mounting: M6S 8×16 (8), BRB 8.4×16 (8), XCAN 8 (8)

Angle bracket, die-cast, 42×42×82

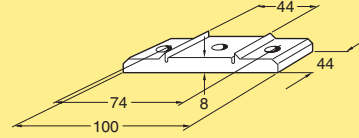


Angle bracket
Aluminium, die-cast

XCFA 88 B

For use with 88×88 mm beams
Mounting: M6S 8×16 (4), BRB 8.4×16 (4), XCAN 8 (4)

Mounting plate 44×100

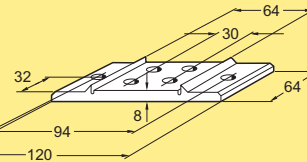


Mounting plate
Aluminium, anodized

XCFB 44

For use with 44×44 mm beams (not XCBL 3/L×44).
Mounting: M6S 8×18 (2), BRB 8.4×16 (2), XCAN 8 (2) + MF6S 8×30 (1)

Mounting plate 64×120

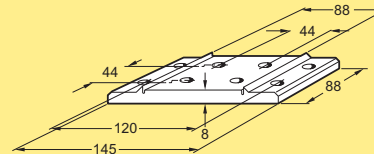


Mounting plate
Aluminium, anodized

XCFB 64 A

For use with 64×64 mm XCBM type beams.
Mounting: M6S 8×18 (2), BRB 8.4×16 (2), XCAN 8 (2) + MF6S 8×30 (4)

Mounting plate 88×145



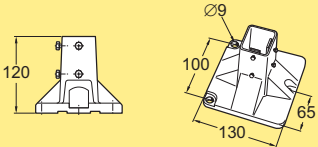
Mounting plate
Aluminium, anodized

XCFB 88

For use with 88×88 mm XCBM type beams.
Mounting: M6S 8×18 (4), BRB 8.4×16 (4), XCAN 8 (4), MF6S 8×30 (4). Cannot be used with XCBL beams.

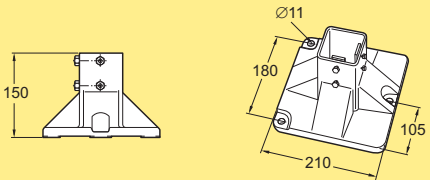
Feet, die-cast

Foot 44x130



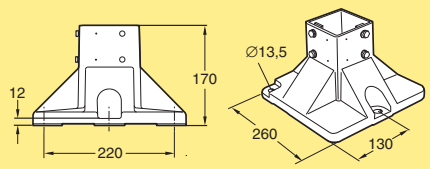
Foot for beam XCBM/XCBL ..x44
Aluminium, die-cast **XCFF 44x130**
Including fastener kit
Maximum bending moment 250 Nm

Foot 64x210



Foot for beam XCBM/XCBL ..x64
Aluminium, die-cast **XCFF 64x210**
Including fastener kit
Maximum bending moment 750 Nm

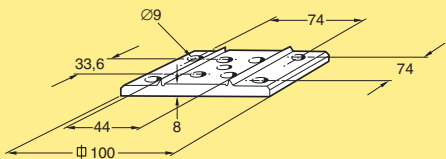
Foot 88x260



Foot for beam XCBM/XCBL ..x88
Aluminium, die-cast **XCFF 88x260**
Including fastener kit
Maximum bending moment 1500 Nm

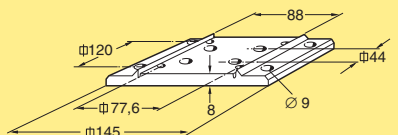
Foot plates

Foot plate for beam 44x44



Foot plate for beam XCBM/XCBL ..x44
Aluminium, anodized **XCFB 44 F**
Mounting: MF6S 8x30 (1) or MF6S 6x30 (4).
Maximum bending moment 50 Nm

Foot plate for beam 88x88



Foot plate for beam XCBM/XCBL ..x88
Aluminium, anodized **XCFB 88 F**
Mounting: MF6S 8x30 (4) or MF6S 6x30 (4).
Maximum bending moment 200 Nm

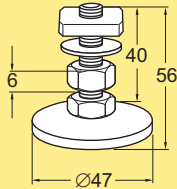
PO
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X45
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X65
X65P
X85
X85P
XH
XK
XKP
X180
X300
GR

CS

XT
WL
WK
XC
XF
XD
ELV
CTL
FST
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APX
IDX

Adjustable feet

Adjustable foot M8



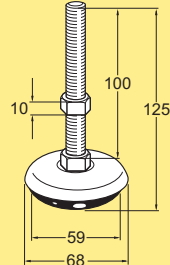
Adjustable foot
Steel, electro-zinc-plated
M8 thread

XLFS 8

Including nut. Maximum vertical load 400 N

Mounting: XCFE 44 M8

Adjustable foot M12



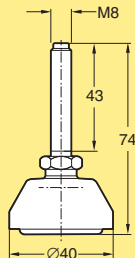
Adjustable foot
Steel, electro-zinc-plated
M12 thread

XCFS 12x68

Including nut. Maximum vertical load 2500 N

Mounting: XCFE .. M12.

Adjustable foot, polyamide, M8



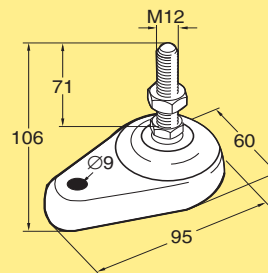
Adjustable foot
PA + steel, electro-zinc-plated
M8 thread

XCFS 8x40x43

Maximum vertical load 12000 N

Mounting: XCFE 44 M8

Adjustable foot, polyamide, M12



Adjustable foot
PA + steel, electro-zinc-plated
M12 thread

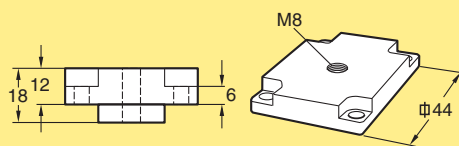
XCFS 12x60x71

Including nut. Maximum vertical load 15000 N

Mounting: XCFE .. M12.

End plates

End plate for beam 44x44, M8 thread



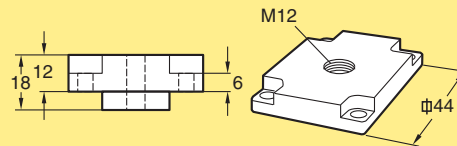
End plate for beam XCBL ...x44

M8 thread
Zinc, die-cast

XCFE 44 M8

Mounting: MC6S 6x30 (4)

End plate for beam 44x44, M12 thread



End plate for beam XCBL ...x44

M12 thread
Zinc, die-cast

XCFE 44 M12

Mounting: MC6S 6x30 (4)

End plates (continued)

End plate for beam 64x64, M12 thread

End plate for beam
XCBL/XCBM ...x64
M12 thread
Zinc, die-cast
XCFE 64 M12A
Mounting: MC6S 6x30 (4)

End plate for beam 88x88, M12 thread

End plate for beam
XCBL/XCBM ...x88
M12 thread
Zinc, die-cast
XCFE 88 M12A
Mounting: MC6S 6x30 (4)

Polyamide feet

Three-point foot for 64 mm beam

Three-point foot for XC.. 64 beam
D=64 mm
Polyamide, glass-fibre reinforced **XEFG 64 T**
Including screws and clamps.
Maximum vertical load 800 N.

Foot for height adjustment assembly

Three-point foot for XEFU 500
D=70 mm
Polyamide, glass-fibre reinforced **XEFG 70 T**
Including screws and clamps.
Maximum vertical load 800 N.
Height adjustment assembly: see page 326.

Two-point foot for 64 mm beam

Two-point foot for XC.. 64 beam
D= 64 mm
Polyamide, glass-fibre reinforced **XEFG 64 D**
Including screws and clamps.
Maximum vertical load 800 N.

Adjustable foot for XEFG

Adjustable foot for XEFG 64/70 T/D
With ball joint and M20 locking nut
Polyamide, glass-fibre reinforced **XLFS 20 P**
Maximum vertical load 500 N

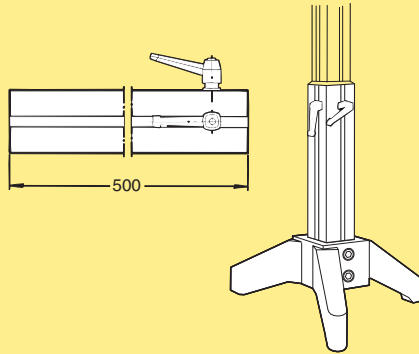
Vibration absorber

Vibration absorber for XLFS 20 P
Thermoplastic polyester **XLFJ 69**

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

Height adjustment assembly

Height adjustment assembly



Square section tube height adjustment assembly
Length 500 mm
Aluminium, anodized

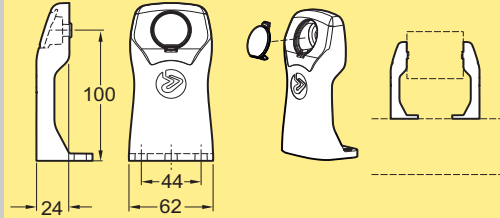
XEFU 500

To be used with foot type XEFG 70 T. Including locking levers.

Beam support brackets Type CT

Selection guide: see page 320.

Beam support bracket – diecast aluminium



Beam support bracket, Type CT

Aluminium, diecast

XLCT 11×100 C

For 64 mm or 88 mm crossing support beam.

Cannot be used with drip trays

Mounting: XLAT 17 (1), XLAN 8 (1), XCAN 8 (1 or 2),

M6S 8×16 (1 or 2), BRB 8.4×16 (2 or 3)

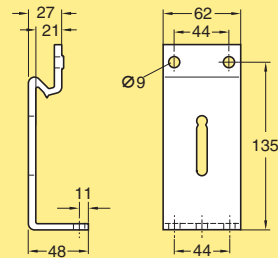
Incl. Cap 5110134 (1)

Cap, Beam support bracket

5110196

Kit contains 25 pcs

Beam support bracket – aluminium



Beam support bracket, Type CT

h=135 mm, a=48,5 mm

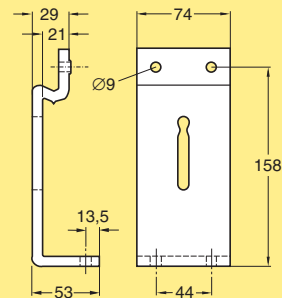
XLCT 21×135 B

For 64 or 88 mm crossing support beam

Mounting: XLAT 17 (2), XLAN 8 (2), XCAN 8 (2),

M6S 8×16 (2), BRB 8.4×16 (4)

Beam support bracket – aluminium



Beam support bracket, Type CT **XLCT 21×158 R**

For 88 mm crossing support beam

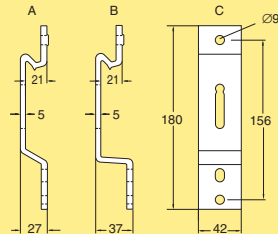
Mounting: XLAT 24 (2), XLAN 8 (2), XCAN 8 (2),

M6S 8×16 (2), BRB 8.4×16 (4)

Beam support brackets Type CS

Selection guide: see page 320.

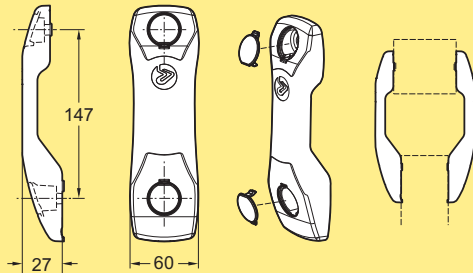
Beam support bracket – aluminium, for 44 mm vertical support beam



Beam support bracket, Type CS
For XS conveyor. Fig. A, C **XSCS 44**
For X65 conveyor. Fig. B, C **XLCS 44**

For 44 mm vertical support beam
Mounting: XLAT 17 (1), XLAN 8 (1), XCAN 8 (2),
M6S 8x16 (2), BRB 8.4x16 (3)

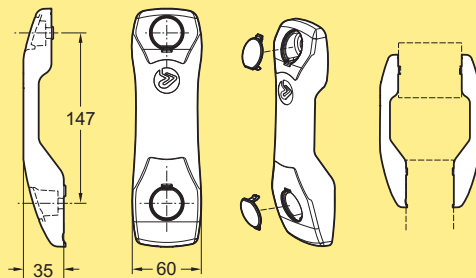
Beam support bracket, diecast aluminium, for 64 mm vertical support beam



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

For 64 mm vertical support beam
Cannot be used with drip trays
Mounting: XLAT 17 (1), XLAN 8 (1), XCAN 8 (1),
M6S 8x16 (1), BRB 8.4x16 (2)
For support of X65 X-bend, order M6S 8x16 screw
instead of the XLAT 17 T-slot screw.
Incl. Cap 5110134 (2)

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

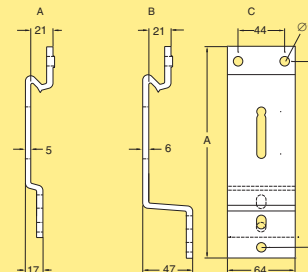


Beam support bracket for X85,
Type CS
Aluminium, diecast **XMCS 64 C**

For 64 mm vertical support beam
Cannot be used with drip trays
Mounting: XLAT 17 (1), XLAN 8 (1), XCAN 8 (1),
M6S 8x16 (1), BRB 8.4x16 (2)
For support of X85 X-bend, order M6S 8x16 screw
instead of the XLAT 17 T-slot screw.
Incl. Cap 5110134 (2)

Cap, Beam support bracket **5110196**
Kit contains 25 pcs

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



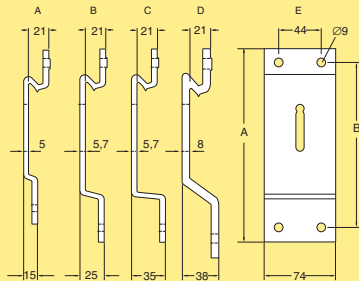
Beam support bracket, Type CS
For XS conveyor. Figure A, C
A=180 mm, B=156 mm **XSCS 64**
For XH conveyor. Figure B, C
A=200 mm, B=176 mm **XHCS 64 B**

For 64 mm vertical support beam
Mounting: XLAT 17 (2), XLAN 8 (2), XCAN 8 (2),
M6S 8x16 (2), BRB 8.4x16 (4)

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

Beam support brackets Type CS (Continued)

Beam support bracket – aluminium, for 88 mm vertical support beam



Beam support bracket, Type CS

For X65 conveyor. Fig. A, E
A=180 mm, B=151 mm **XLCS 88**

For X85 conveyor. Fig. B, E
A=200 mm, B=171 mm **XMCS 88 B**

For XH conveyor. Fig. C, E
A=200 mm, B=171 mm **XHCS 88 B**

For XK conveyor. Fig. D, E
A=219 mm, B=190 mm **XKCS 88 R**

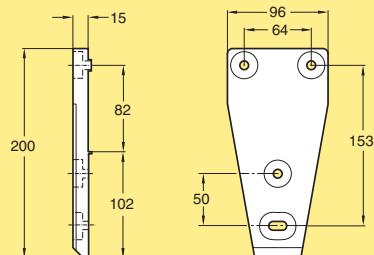
For 88 mm vertical support beam

Mounting: XLAT 17 (2), XLAN 8 (2), XCAN 8 (2),
M6S 8x16 (2), BRB 8.4x16 (4)
Use T-slot screw XLAT 24 (2) and M6S 8x18 (2) with
XKCS 88 R. (XLAT 17 and M6S 8x16 are too short.)

Beam support brackets Type CS, polyamide

Selection guide: see page 320.

Beam support bracket – polyamide

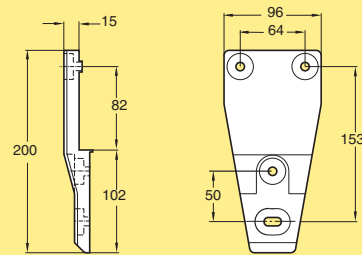


Beam support bracket, Type CS **XLCS 64 P**

For X65 conveyor with 64 mm vertical support beam.
Also suitable for XS conveyor with 44 mm vertical support beam

Mounting: XLAT 17 (2), XLAN 8 (2), XCAN 8 (2), M6S 8x16 (2), BRB 8.4x16 (4)

Beam support bracket – polyamide



Beam support bracket, Type CS **XMCS 64 P**

For X85 conveyor with 64 mm vertical support beam.
Also suitable for X65 conveyor with 44 mm vertical support beam

Mounting: XLAT 17 (2), XLAN 8 (2), XCAN 8 (2), M6S 8x16 (2), BRB 8.4x16 (4)

Beam support brackets Type CS (continued)

Nut cover plug

Nut cover plug **XLAE 26**
 For polyamide beam support brackets
 Note. Must be ordered in multiples of 10

Nut cover plug for elongated hole

Nut cover plug for elongated hole **XLAE 26 E**
 For polyamide beam support brackets
 Note. Must be ordered in multiples of 10

Beam support brackets Type CU

Selection guide: see page 320.

Beam support bracket – aluminium

Beam support bracket, Type CU **XLCU 73**
 For support of 180° wheel bend with 88 mm vertical support beam. For conveyor systems X65, X85, XH
 Mounting: XLAT 17 (2), XLAN 8 (2), XCAN 8 (4), M6S 8x16 (4), BRB 8.4x16 (6)

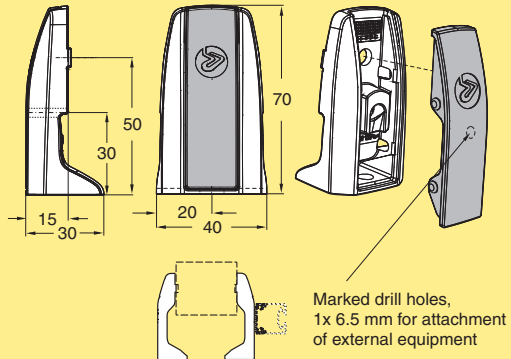
Beam support bracket – aluminium

Beam support bracket, Type CU **XLCU 103**
 For support of 180° wheel bend with 88 mm vertical support beam. For conveyor system XK
 Mounting: XLAT 24 (2), XLAN 8 (2), XCAN 8 (4), M6S 8x16 (4), BRB 8.4x16 (6)

- PO
- CC
- X45
- X5
- X65
- X65P
- X85
- X85P
- XH
- XK
- XKP
- X180
- X300
- GR
- CS**
- XT
- WL
- WK
- XC
- XF
- XD
- ELV
- CTL
- FST
- TR
- APX
- IDX

Beam support brackets X45, diecast

Beam support bracket for horizontal support beam

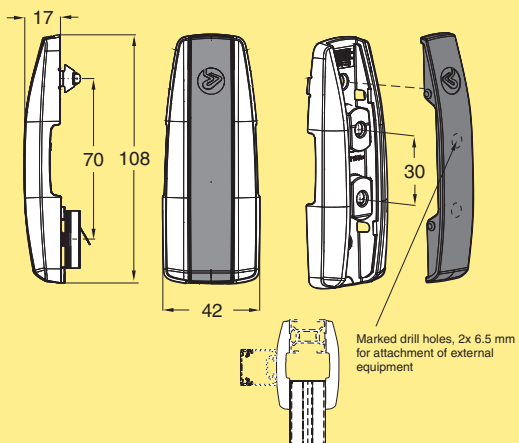


Beam support bracket
Aluminium, diecast

XUCT 50

*For 44 mm crossing support beam.
Including mounting hardware.*

Beam support bracket for 44 mm vertical support beam



Beam support bracket
Aluminium, diecast

XUCS 44

*For 44 mm vertical support beam
Including mounting hardware.*