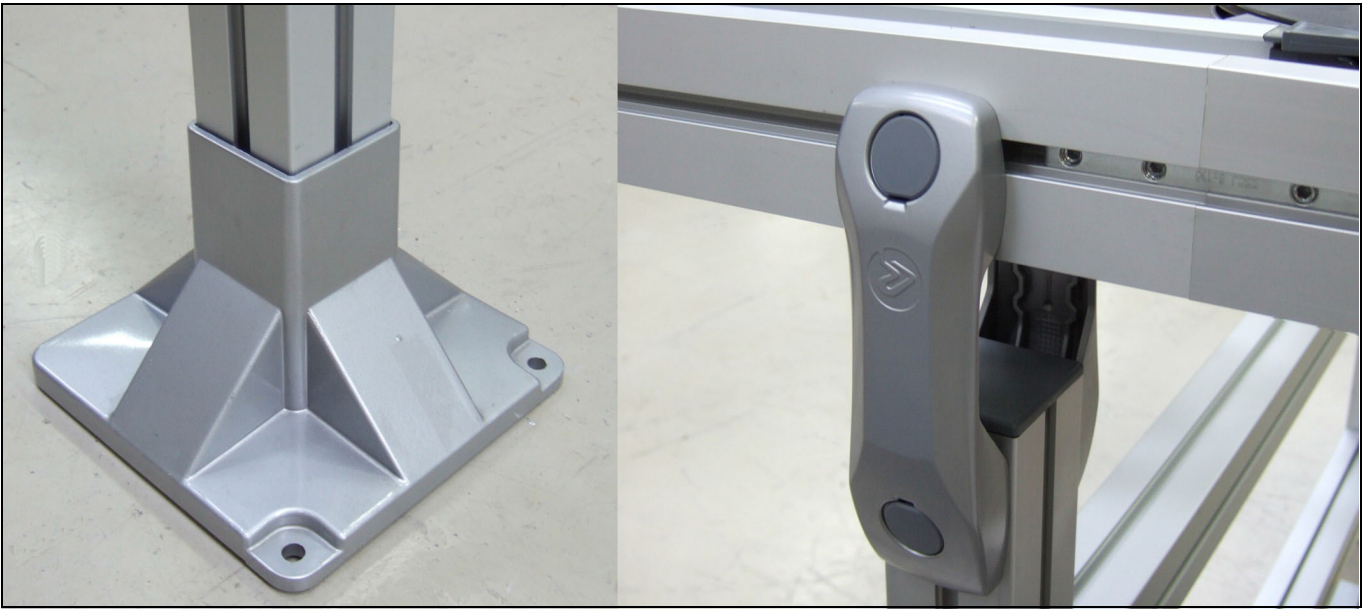


Conveyor support components

Contents

Beams, brackets and feet	335	Foot plates	341
Conveyor support designs	336	Adjustable feet	342
Support beams	337	End plates	342
Beam support brackets – selection guide	338	Polyamide feet	343
Beam support brackets for drip trays	338	Height adjustment assembly	344
Support beams 44 mm	339	Beam support brackets Type CT	344
Support beams 64 mm	339	Beam support brackets Type CS	345
Support beams 88 mm	339	Beam support brackets Type CS, polyamide	346
Angle brackets and mounting plates	340	Beam support brackets Type CU	347
Feet, die-cast	341	Beam support brackets X45, diecast	348

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*.

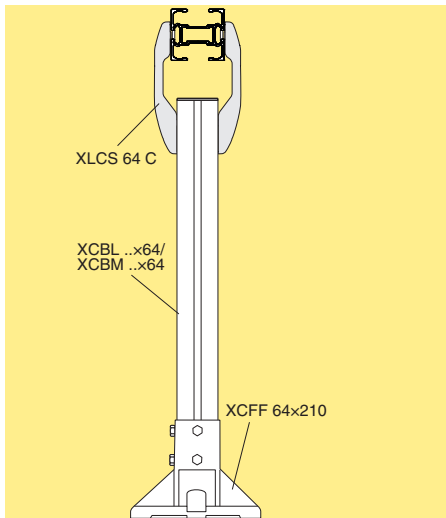
The structural system includes beams, feet, and several types of beam connecting devices, as well as a large selection of enclosure components.

Product configurator

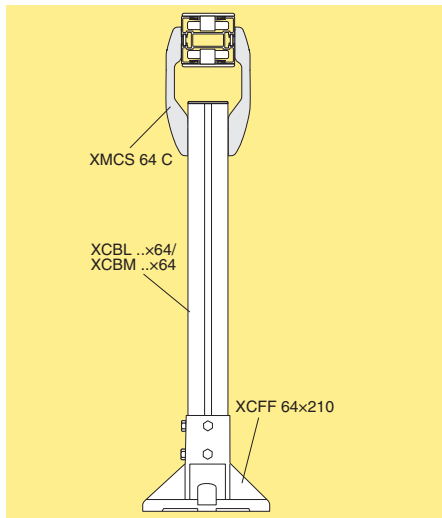
A number of standard support solutions can be ordered by means of a product configurator.

Please contact FlexLink Systems for more information.

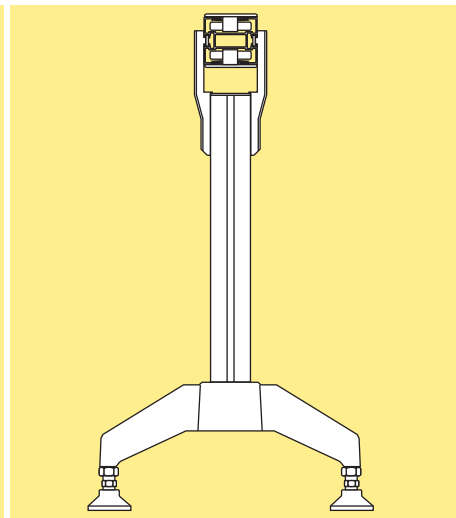
Single support X65



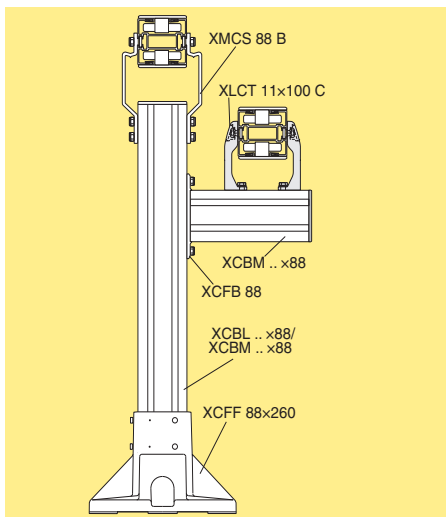
Single support X85



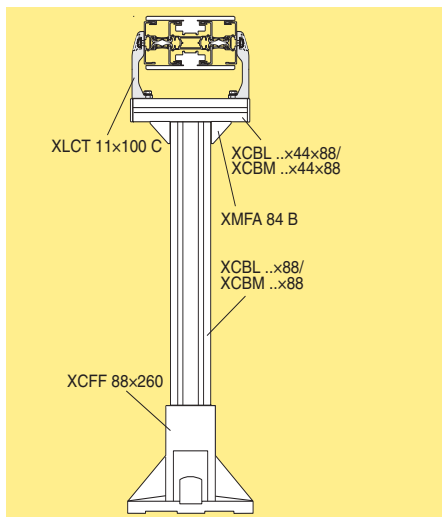
Single support X85



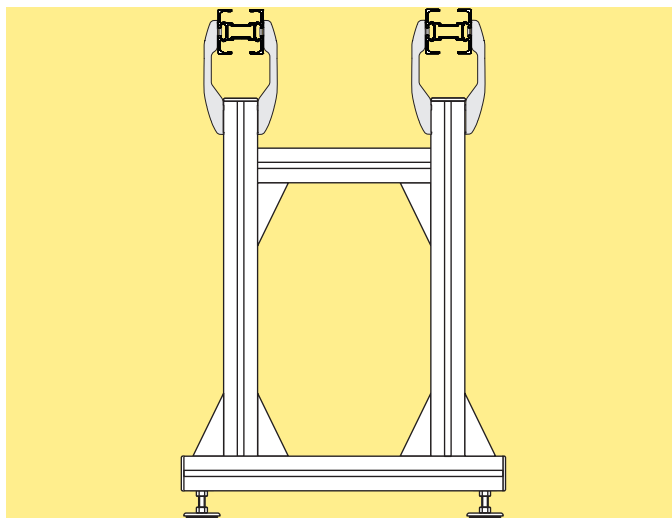
Single support – X85x2



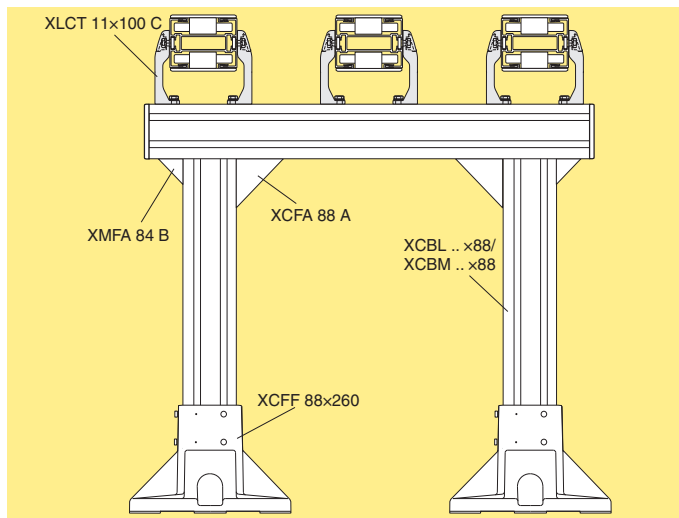
Single support X180/X300

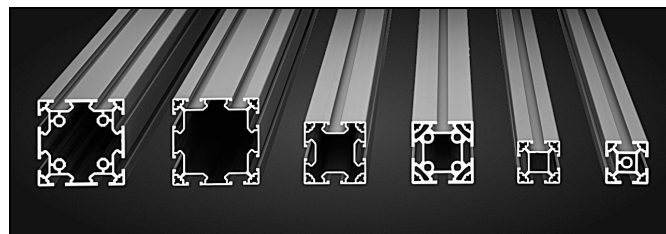


Double support – X65x2



Double support – XHx3



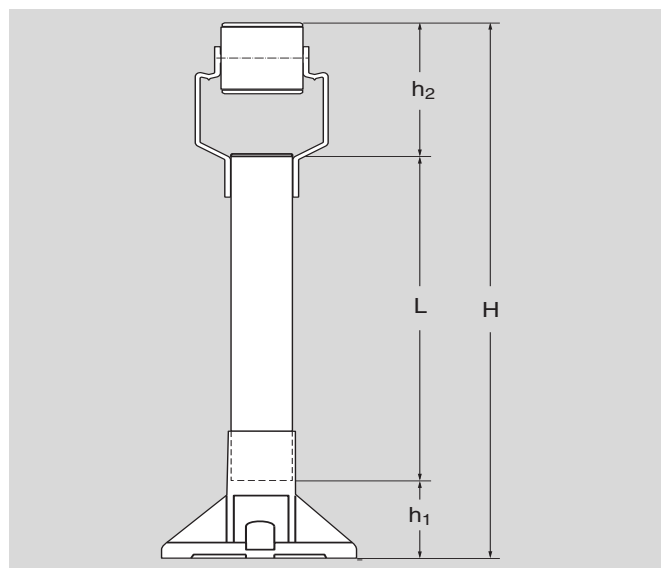


Standard and lightweight beams

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	XCBM 3/Lx44	XCFF 44x130	XCFB 44 F
44x44 lightweight	XCBL 3/Lx44	XCFF 44x130	XCFB 44 F
64x64 standard	XCBM 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	XCBM 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 338. Feet: see page 341.

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	–

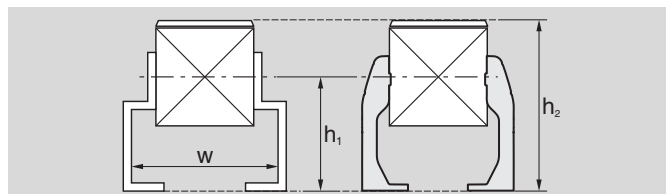
See “Beam support brackets” for more information.

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 340.

Beam support brackets – selection guide

Type CT for crossing support beam 64/88 mm



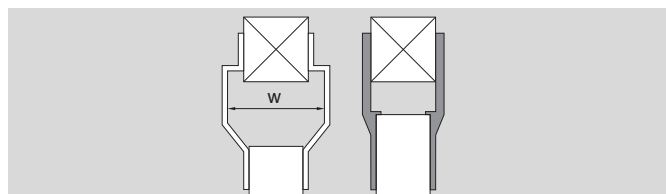
Bracket type	Height to top of chain h_2 mm						Comments
	XS	X65	X85	XH	XK	X180/ X300	
XLCT 11×100 C	137	137	144	144	157	146	$h_1=100$ mm
XLCT 21×135 B	172	172	179	179	192	181	$h_1=135$ mm
XLCT 21×158 R	195	195	202	202	215	204	$h_1=158$ mm
Width W:							
XLCT 11×100 C	67	87	107	127	127	204/322	
XLCT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

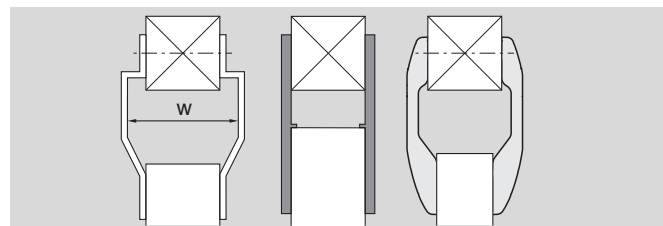
The heights above chain refer to standard plain chain.

Type CS for vertical support beam 44 mm



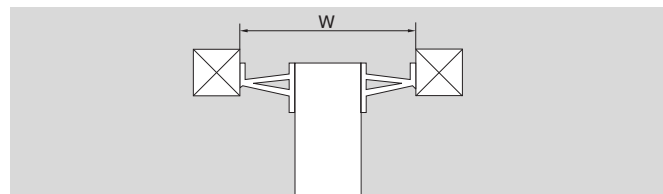
Bracket type	XS W mm	X65 W mm	X85 W mm	XH W mm	XK W mm	Comments
XSCS 44	87	—	—	—	—	—
XLCS 44	—	107	—	—	—	—
XLCS 64 P	45	—	—	—	—	Polyamide

Type CS for vertical support beam 64 mm



Bracket type	XS W mm	X65 W mm	X85 W mm	XH W mm	XK W mm	Comments
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	—	—

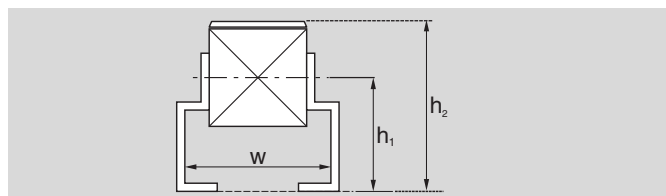
Type CU for vertical support beam 88 mm



Bracket type	XS W mm	X65 W mm	X85 W mm	XH W mm	XK W mm	Comments
XLCU 73	235	235	235	235	235	—
XLCU 103	295	295	295	295	295	—

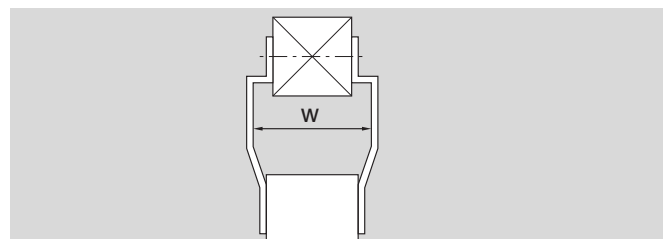
Beam support brackets for drip trays

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 W mm	X85 W mm	XH W mm	XK W mm	Comments
XLCS 88	107	—	—	—	—
XMCS 88 B	—	127	—	—	—
XHCS 88 B	—	—	147	147	—
XKCS 88 R	—	—	—	147	—

Support beams 44 mm

PO

CC

X45

XS

X65

X65P

X85

X85P

XH

XK

XKP

X180

X300

GR

CS

XT

HU

WL

WK

XC

XF

XD

ELV

SC

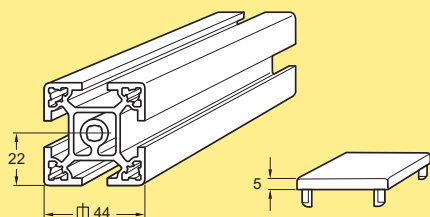
FST

TR

APX

IDX

Support beam 44×44



Support beam 44 mm × 44 mm

Length 3 m (3030 ±5 mm)

Length to order (30- 3000 mm)

XCBL 3×44

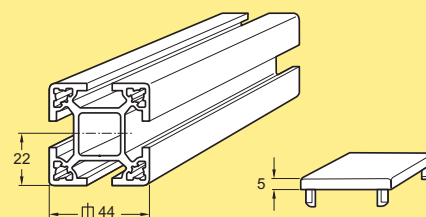
XCBL L×44

End cap, polyamide

XCBE 44

Note. Contains 10 pcs.

Support beam 44×44, lightweight



Support beam 44 mm × 44 mm, light

Length 3 m (3030 ±5 mm)

Length to order (30- 3000 mm)

XCBL 3×44

XCBL L×44

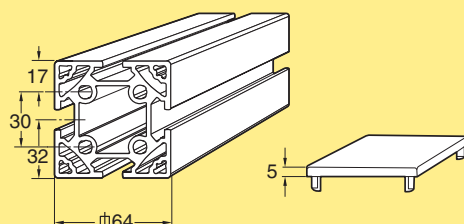
End cap, polyamide

XCBE 44

Note. Contains 10 pcs.

Support beams 64 mm

Support beam 64×64



Support beam 64 mm × 64 mm

Length 3 m (3030 ±5 mm)

Length to order (30- 3000 mm)

XCBL 3×64

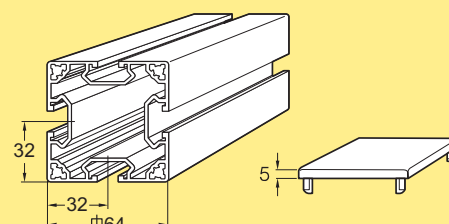
XCBL L×64

End cap, polyamide

XCBE 64

Note. Contains 10 pcs.

Support beam 64×64, lightweight



Support beam 64 mm × 64 mm, light

Length 3 m (3030 ±5 mm)

Length to order (30- 3000 mm)

XCBL 3×64

XCBL L×64

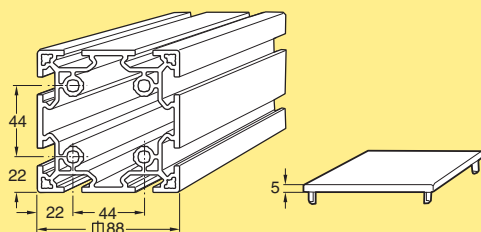
End cap, polyamide

XCBE 64

Note. Contains 10 pcs.

Support beams 88 mm

Support beam 88×88



Support beam 88 mm × 88 mm

Length 3 m (3030 ±5 mm)

Length to order (30- 3000 mm)

XCBL 3×88

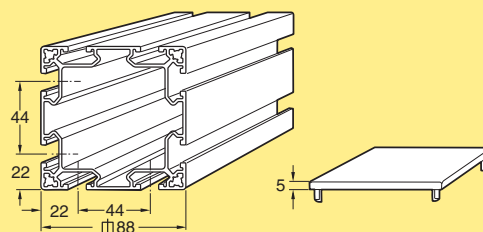
XCBL L×88

End cap, polyamide

XCBE 88

Note. Contains 10 pcs.

Support beam 88×88, lightweight



Support beam 88 mm × 88 mm, light

Length 3 m (3030 ±5 mm)

Length to order (30- 3000 mm)

XCBL 3×88

XCBL L×88

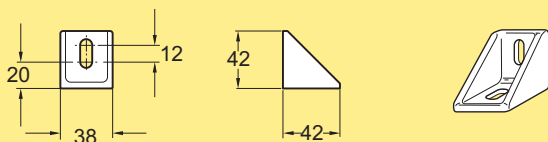
End cap, polyamide

XCBE 88

Note. Contains 10 pcs.

Angle brackets and mounting plates

Angle bracket, die-cast, 42×42×38



Angle bracket

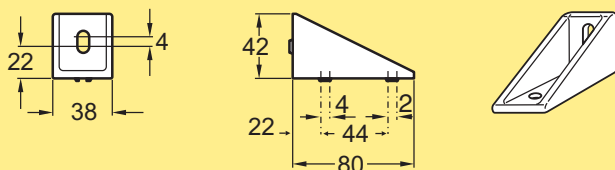
Aluminium, die-cast

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

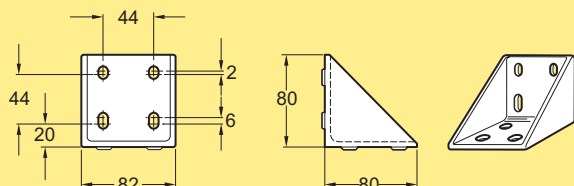
Aluminium, die-cast

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

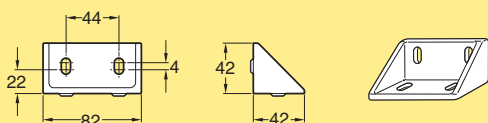
Aluminium, die-cast

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

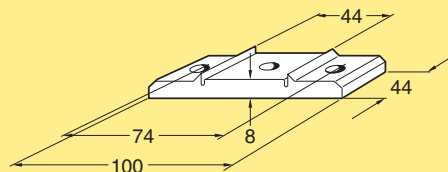
Aluminium, die-cast

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

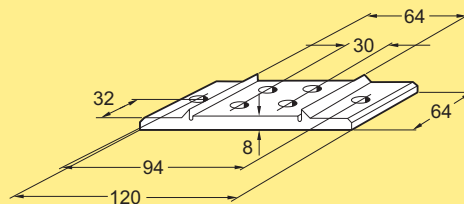
Aluminium, anodized

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

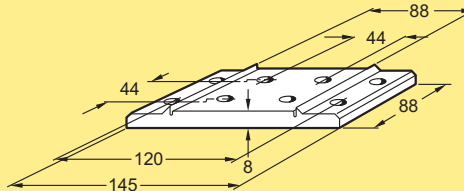
Aluminium, anodized

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



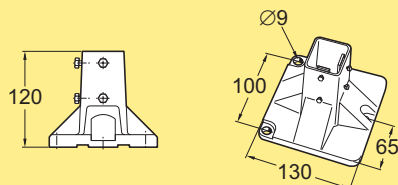
Mounting plate

Aluminium, anodized

XCFB 88

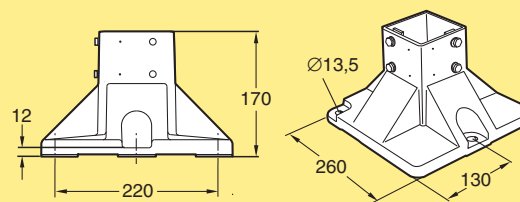
For use with 88×88 mm XCBM type beams.

Mounting: M6S 8×18 (4), BRB 8.4×16 (4), XCAN 8 (4), MF6S 8×30 (4). Cannot be used with XCBL beams.

Foot 44×130

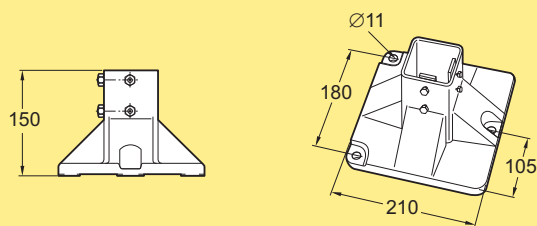
Foot for beam XCBM/XCBL ...x44

Aluminium, die-cast

XCFF 44×130*Including fastener kit**Maximum bending moment 250 Nm***Foot 88×260**

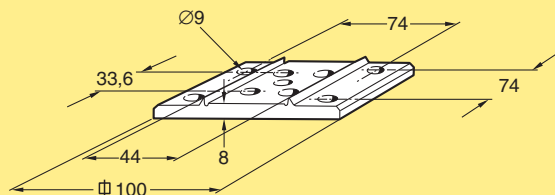
Foot for beam XCBM/XCBL ...x88

Aluminium, die-cast

XCFF 88×260*Including fastener kit**Maximum bending moment 1500 Nm***Foot 64×210**

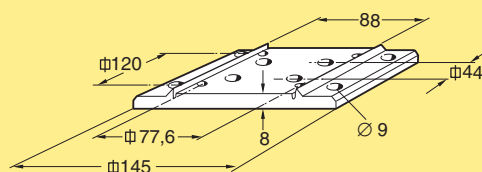
Foot for beam XCBM/XCBL ...x64

Aluminium, die-cast

XCFF 64×210*Including fastener kit**Maximum bending moment 750 Nm***Foot plates****Foot plate for beam 44×44**

Foot plate for beam XCBM/XCBL ...x44

Aluminium, anodized

XCFB 44 F*Mounting: MF6S 8×30 (1) or MF6S 6×30 (4).**Maximum bending moment 50 Nm***Foot plate for beam 88×88**

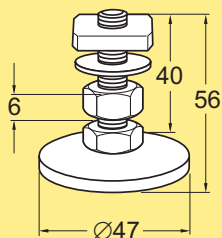
Foot plate for beam XCBM/XCBL ...x88

Aluminium, anodized

XCFB 88 F*Mounting: MF6S 8×30 (4) or MF6S 6×30 (4).**Maximum bending moment 200 Nm*

Adjustable feet

Adjustable foot M8



Adjustable foot

Steel, electro-zinc-plated

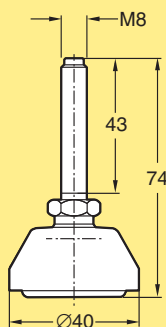
M8 thread

XLFS 8

Including nut. Maximum vertical load 400 N

Mounting: XCFE 44 M8

Adjustable foot, polyamide, M8



Adjustable foot

PA + steel, electro-zinc-plated

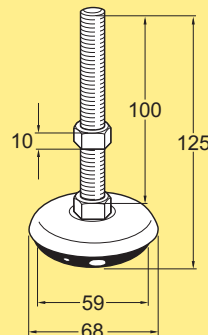
M8 thread

XCFS 8x40x43

Maximum vertical load 12000 N

Mounting: XCFE 44 M8

Adjustable foot M12



Adjustable foot

Steel, electro-zinc-plated

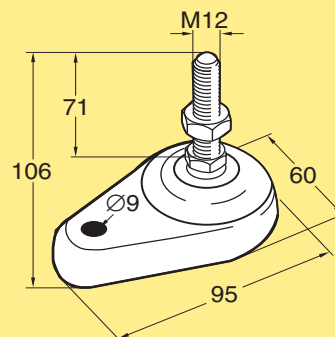
M12 thread

XCFS 12x68

Including nut. Maximum vertical load 2500 N

Mounting: XCFE .. M12.

Adjustable foot, polyamide, M12



Adjustable foot

PA + steel, electro-zinc-plated

M12 thread

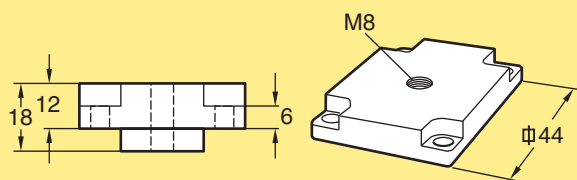
XCFS 12x60x71

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

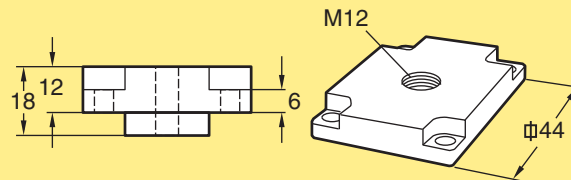
M8 thread

Zinc, die-cast

XCFE 44 M8

Mounting: MC6S-TT 6x30 (4)

End plate for beam 44x44, M12 thread



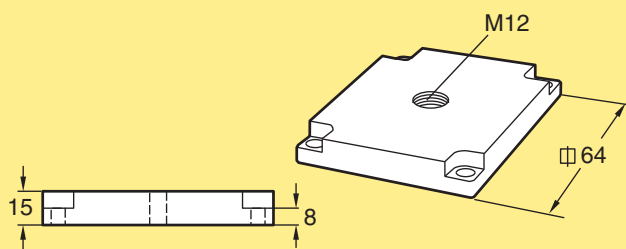
End plate for beam XCBL ...x44

M12 thread

Zinc, die-cast

XCFE 44 M12

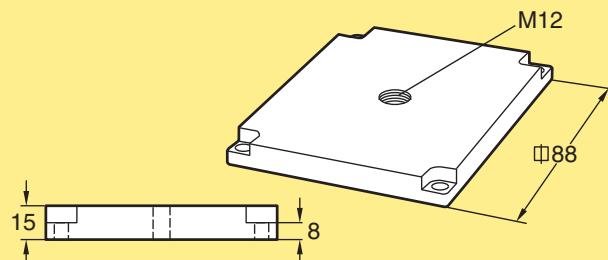
Mounting: MC6S-TT 6x30 (4)

End plate for beam 64×64, M12 thread

End plate for beam
XCBL/XCBM ...×64
M12 thread
Zinc, die-cast

XCFE 64 M12A

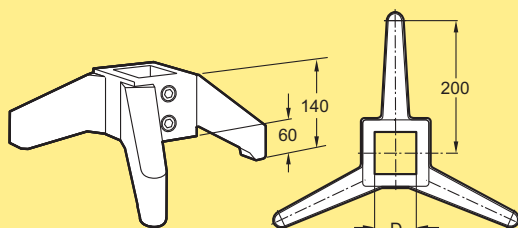
Mounting: MC6S-TT 6×30 (4)

End plate for beam 88×88, M12 thread

End plate for beam
XCBL/XCBM ...×88
M12 thread
Zinc, die-cast

XCFE 88 M12A

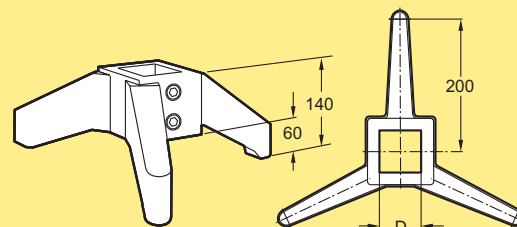
Mounting: MC6S-TT 6×30 (4)

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.

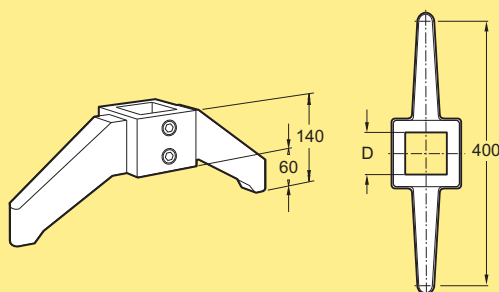
Foot for height adjustment assembly

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.

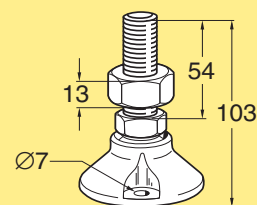
Height adjustment assembly: see page 344.

Two-point foot for 64 mm beam

Two-point foot for XC.. 64 beam
D= 64 mm
Polyamide, glass-fibre reinforced

XEFG 64 D

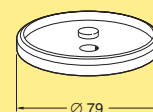
Including screws and clamps.
Maximum vertical load 800 N.

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

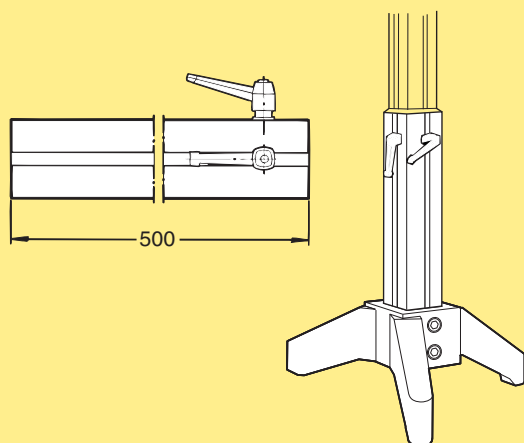
Maximum vertical load 500 N

Vibration absorber

Vibration absorber for XLFS 20 P
Thermoplastic polyester

XLFJ 69

Height adjustment assembly



Square section tube height
adjustment assembly

Length 500 mm

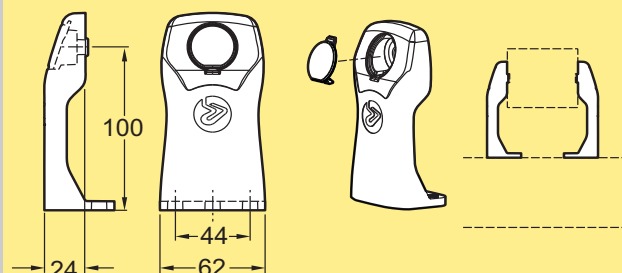
Aluminium, anodized

XEFU 500

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

Selection guide: see page 338.

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)

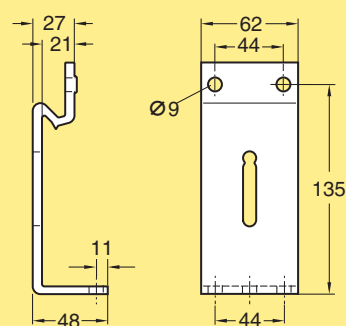
Incl. Cap 5110134 (1)

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

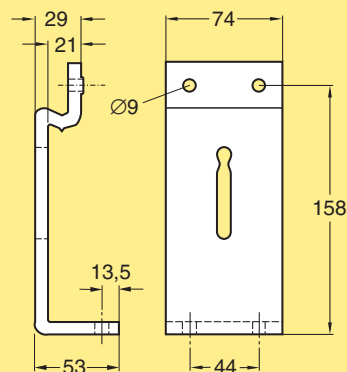
XLCT 21×135 B

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**

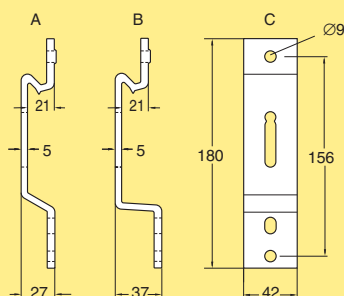
For 88 mm crossing support beam

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

M6S 8×16 (2), BRB 8.4×16 (4)

Selection guide: see page 338.

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



Beam support bracket, Type CS

For XS conveyor. Fig. A, C

For X65 conveyor. Fig. B, C

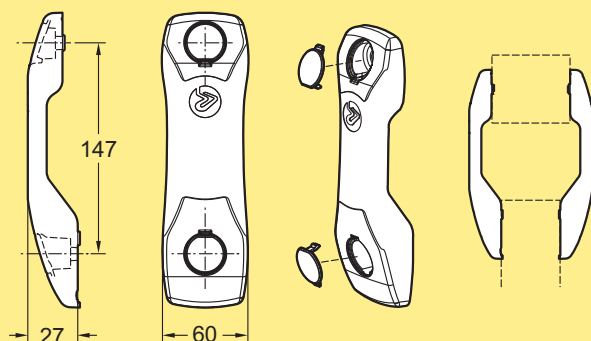
XSCS 44

XLCS 44

For 44 mm vertical support beam

Mounting: XLAT 17 (1), XLAN 8 (1), XCAN 8 (2), M6S 8×16 (2), BRB 8.4×16 (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

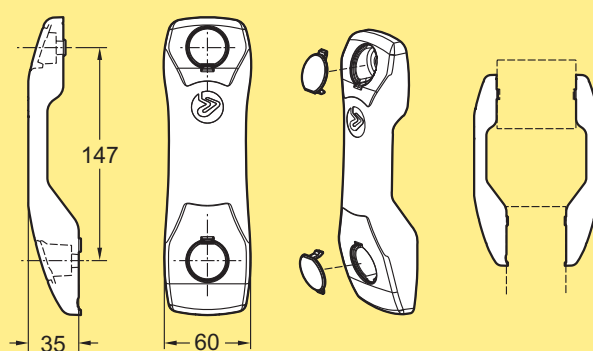
Cannot be used with drip trays

Mounting: XLAT 17 (1), XLAN 8 (1), XCAN 8 (1), M6S 8×16 (1), BRB 8.4×16 (2)

For support of X65 X-bend, order M6S 8×16 screw instead of the XLAT 17 T-slot screw.

Incl. Cap 5110134 (2)

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 8×16 (1), BRB 8.4×16 (2)

For support of X85 X-bend, order M6S 8×16 screw instead of the XLAT 17 T-slot screw.

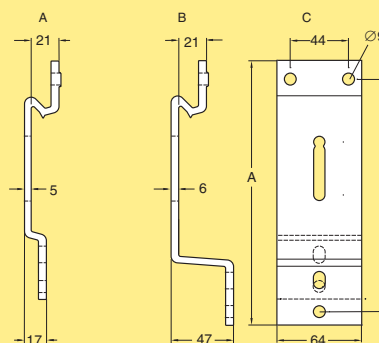
Incl. Cap 5110134 (2)

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

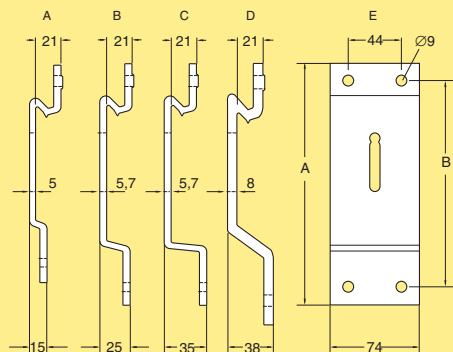
A=200 mm, B=176 mm

XHCS 64 B

For 64 mm vertical support beam

Mounting: XLAT 17 (2), XLAN 8 (2), XCAN 8 (2), M6S 8×16 (2), BRB 8.4×16 (4)

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

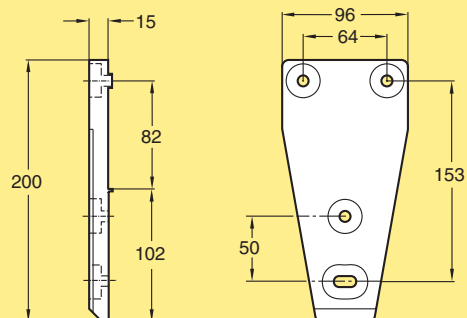
Mounting: XLAT 17 (2), XLAN 8 (2), XCAN 8 (2),
M6S 8×16 (2), BRB 8.4×16 (4)

Use T-slot screw XLAT 24 (2) and M6S 8×18 (2) with
XKCS 88 R. (XLAT 17 and M6S 8×16 are too short.)

Beam support brackets Type CS, polyamide

Selection guide: see page 338.

Beam support bracket – polyamide



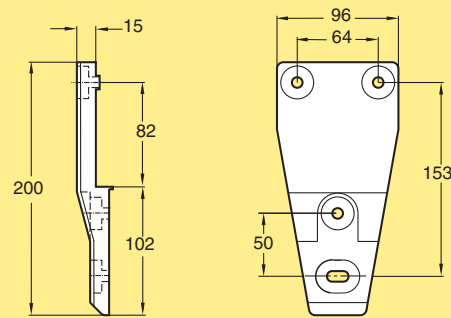
Beam support bracket, Type CS

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
8×16 (2), BRB 8.4×16 (4)

Beam support bracket – polyamide



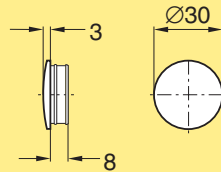
Beam support bracket, Type CS

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
8×16 (2), BRB 8.4×16 (4)

Nut cover plug



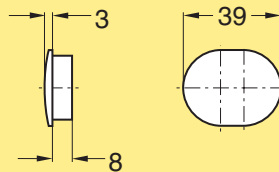
Nut cover plug

XLAE 26

For polyamide beam support brackets

Note. Contains 10 pcs.

Nut cover plug for elongated hole



Nut cover plug for elongated hole

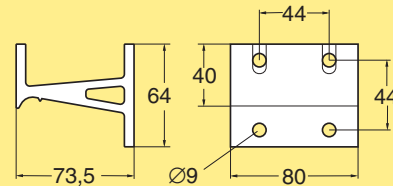
XLAE 26 E

For polyamide beam support brackets

Note. Contains 10 pcs.

Selection guide: see page 338.

Beam support bracket – aluminium



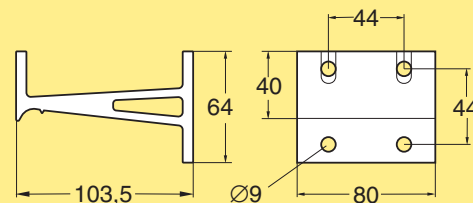
Beam support bracket, Type CU

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

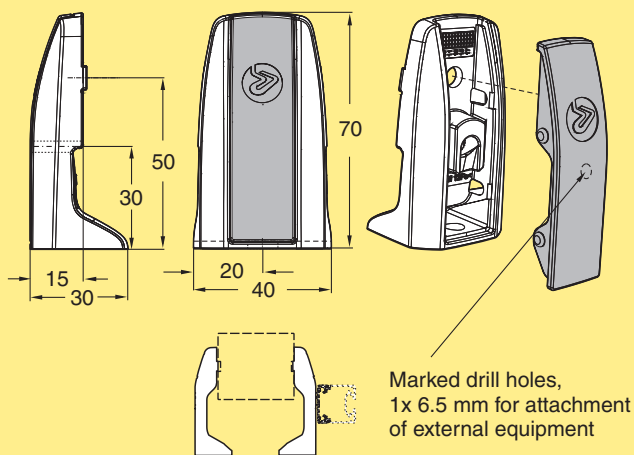
XLCU 103

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)

Beam support brackets X45, diecast

Beam support bracket for horizontal support beam



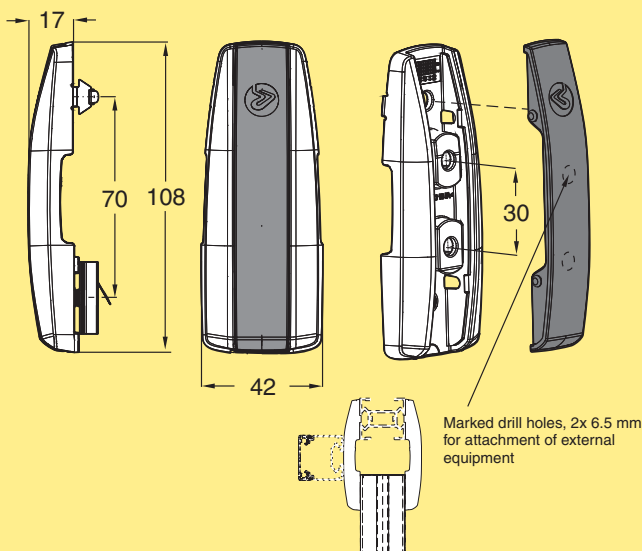
Marked drill holes,
1x 6.5 mm for attachment
of external equipment

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



Marked drill holes, 2x 6.5 mm
for attachment of external
equipment

Beam support bracket
Aluminium, diecast

XUCS 44

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