Key for abbreviations on page 16

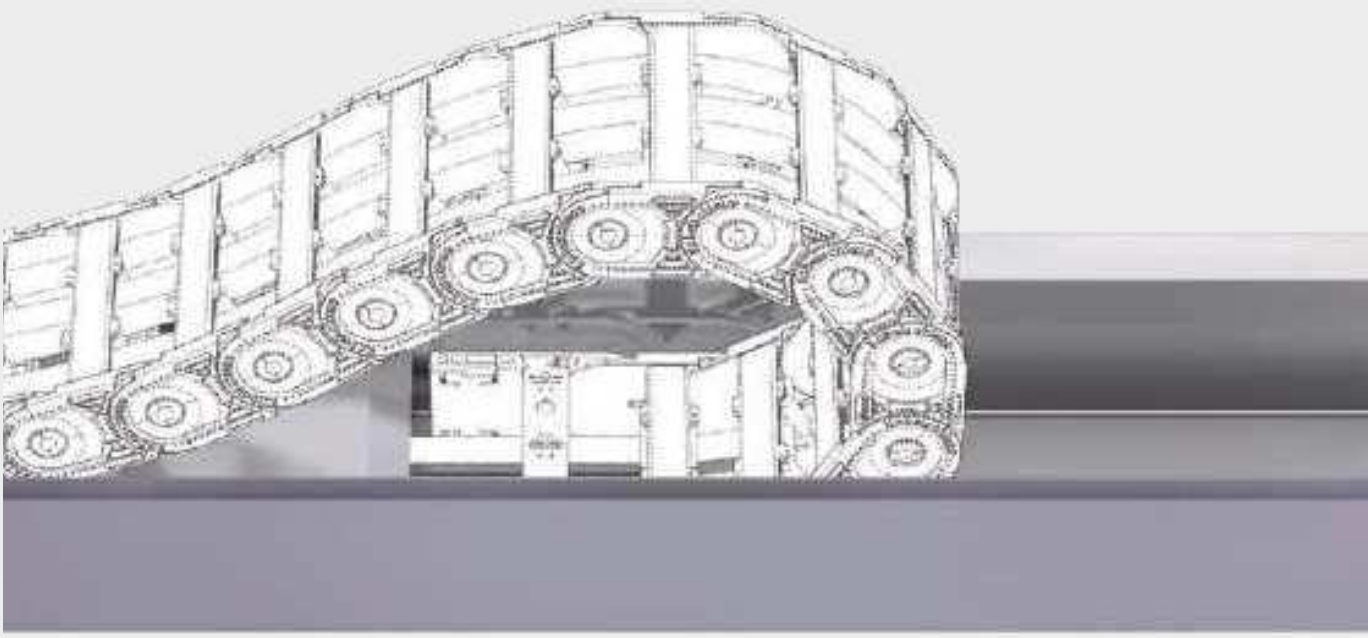
Design guidelines from page 62

Technical support:
technik@kabelschlepp.de

Standard Channel | Overview

Sheet steel guide channels

- Simple version with customized fixing options.
- Zinc plated sheet steel or stainless steel.
- Standard lengths.



Zinc plated sheet steel / stainless steel

Standard lengths 2000 / 3000 mm
Special lengths on request

Features

- Universal installation – the channel side walls do not require aligning as there are no single side walls
- Large support widths through sturdy U-design
- Optionally available as a corrosion resistant, sea water resistant version
- Easy fixing options:
  - standard angle brackets for screwing
  - welded on directly on site
  - different fixing variants

Individual solutions

We can also manufacture customized sheet steel guide channels for your application, taking into account virtually any request regarding customized shapes and fixing options.

Information on dimensions can be found from p. 738

Standard Channel | Versions

One-sided arrangement

For one-sided arrangement of the cable carrier, the cable carrier slides behind the fixed point on a continuous slide support with run-on bevels.

Closed design

One part channel closed at the bottom and one part slide support with run-on bevels.

Open design

One part channel closed at the bottom and divided slide support with run-on bevels.

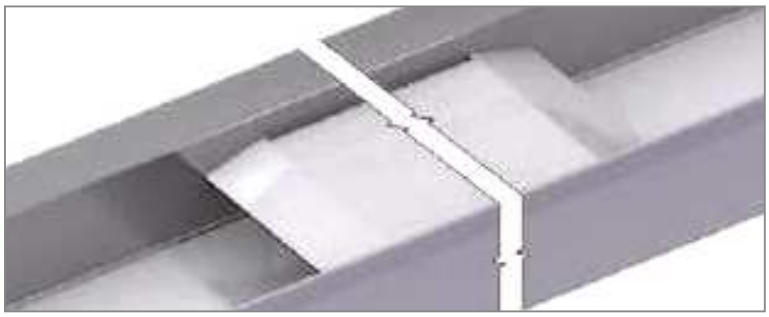
Dirt and liquids can drop through without restrictions.

Opposite arrangement

For opposite arrangement, a slide support is also attached for bridging between the fixed point connections.

Closed design

One part channel closed at the bottom and one part slide support with run-on bevels.



Open design

One part channel closed at the bottom and divided slide support with run-on bevels.

Dirt and liquids can drop through without restrictions.

A special slide support can be adhered to reduce sliding resistance and abrasion between cable carrier and support. We recommend the use of special slide supports for velocities > 0.5 m/s and for frequent move cycles.

Key for abbreviations on page 16

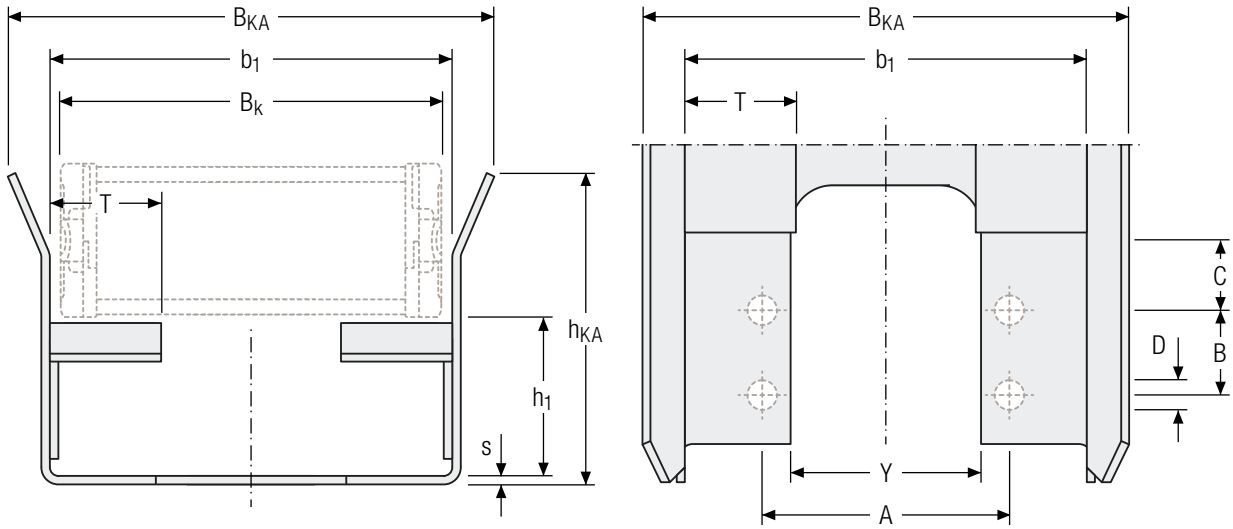
Design guidelines from page 62

Technical support: technik@kabelschlepp.de

online-engineer.de Cable Carrier Configurator

Standard Channel | Dimensions · Technical Data

Dimensions



From $h_{KA} \geq 200$ mm, the guide channel flanks are additionally stabilized with alignment flanges or with connecting flanges.

The dimension y refers only to open guide channel versions.

UNIFLEX *Advanced* series

The cable carrier width B_k is taken into account for calculating the inner width of guide channel b_1 and the overall width B_{KA}.

Type	h_1 [mm]	h_{KA} [mm]	b_1 [mm]	B_{KA} [mm]	s [mm]	A [mm]	B [mm]	C [mm]	D [mm]	T [mm]	Y [mm]
UA1455 | page 146											
–	36	70 (KR < 100) 125 (KR ≥ 100)	$B_k + 4$	$B_k + 24$	2	$b_1 - 34.0$ (FA) $b_1 - 13.5$ (FU)	–	40	6.2	30	$b_1 - 65$
Glide shoes	38.5	70 (KR < 100) 125 (KR ≥ 100)	$B_k + 7$	$B_k + 27$	2	$b_1 - 37.0$ (FA) $b_1 - 16.5$ (FU)	–	40 50	6.2 5.3	30	$b_1 - 65$ $b_1 - 40$
UA1555 | page 156											
–	50	117 (KR < 200) 200 (KR ≥ 200)	$B_k + 5$	$B_k + 25$	2	$b_1 - 43$ (FA) $b_1 - 16$ (FU)	– 22.5	50	6.5 5.3	30	$b_1 - 85$ $b_1 - 40$
Glide shoes	53	117 (KR < 200) 200 (KR ≥ 200)	$B_k + 9$	$B_k + 29$	2	$b_1 - 47$ (FA) $b_1 - 21$ (FU)	– 22.5	50	6.5 5.3	30	$b_1 - 85$ $b_1 - 40$
UA1665 | page 166											
–	60	117 (KR < 200) 200 (KR ≥ 200)	$B_k + 5$	$B_k + 25$	2	$b_1 - 47$ (FA) $b_1 - 14$ (FU)	– 22.5	60	8.5 5.3	30	$b_1 - 85$ $b_1 - 40$
Glide shoes	63	117 (KR < 200) 200 (KR ≥ 200)	$B_k + 10$	$B_k + 30$	2	$b_1 - 52$ (FA) $b_1 - 19$ (FU)	– 22.5	60	8.5 5.3	30	$b_1 - 85$ $b_1 - 40$

The designations for dimension A refer to the version of the cable carrier connection.

* Dimension T for leg length support brackets (guiding channel open type for $B_k \geq 90$ mm).

** Dimension Y for guiding channel open for $B_k \geq 90$ mm).

Information on the fixing options for the standard channel can be found on page 744

Standard Channel | Dimensions · Technical Data

Dimensions

EasyTrax® series

The cable carrier width B_k is taken into account for calculating the inner width of guide channel b_1 and the overall width B_{KA}. For types ET0180 and ET0320 we recommend aluminum guide channels , see p. 754.

Type	h_1 [mm]	h_{KA} [mm]	b_1 [mm]	B_{KA} [mm]	s [mm]	A [mm]	B [mm]	C [mm]	D [mm]	T [mm]	Y [mm]
ET1455.030 | page 214											
–	36	70 (KR < 100) 125 (KR ≥ 100)	$B_k + 4$	$B_k + 24$	2	$b_1 - 34.0$ (FA) $b_1 - 13.5$ (FU)	–	40	6.2	30	$b_1 - 65$
Glide shoes	38.5	70 (KR < 100) 125 (KR ≥ 100)	$B_k + 7$	$B_k + 27$	2	$b_1 - 37.0$ (FA) $b_1 - 16.5$ (FU)	–	40 50	6.2 5.3	30	$b_1 - 65$ $b_1 - 40$

The designations for dimension A refer to the version of the cable carrier connection.

K series

The cable carrier width B_k is taken into account for calculating the inner width of guide channel b_1 and the overall width B_{KA}. When using aluminum hole stays, slide discs have to be placed on the side tabs between cable carrier and channel wall for spacing.

Type	h_1 [mm]	h_{KA} [mm]	b_1 [mm]	B_{KA} [mm]	s [mm]	A [mm]	B [mm]	C [mm]	D [mm]	T [mm]	Y [mm]
K0650 | page 250											
–	57.5	117 (KR < 200) 200 (KR ≥ 200)	$B_k + 5$	$B_k + 25$	2	$b_1 - 19$ (FU)	40	30	6.5	30	$b_1 - 65$
Slide discs	57.5	117 (KR < 200) 200 (KR ≥ 200)	$B_k + 13$	$B_k + 33$	2	$b_1 - 27$ (FU)	40	30	6.5	30	$b_1 - 65$
K0900 | page 264											
–	78.5	150 (KR < 200) 300 (KR ≥ 200)	$B_k + 5$	$B_k + 25$	2	$b_1 - 20.5$ (FU)	50	30	6.5	30	$b_1 - 65$
Slide discs	78.5	150 (KR < 200) 300 (KR ≥ 200)	$B_k + 19$	$B_k + 39$	2	$b_1 - 34.5$ (FU)	45 50	30	6.5	30	$b_1 - 75$

The designations for dimension A refer to the version of the cable carrier connection.

MASTER series

The cable carrier width B_k is taken into account for calculating the inner width of guide channel b_1 and the overall width B_{KA}.

Type	h_1 [mm]	h_{KA} [mm]	b_1 [mm]	B_{KA} [mm]	s [mm]	A [mm]	B [mm]	C [mm]	D [mm]	T [mm]	Y [mm]
H33 | page 292											
Glide shoes	54.2	125 (KR < 200) 200 (KR ≥ 200)	$B_k + 5$	$B_k + 25$	2	$b_1 - 13$	22.5	30	5.5	30	$b_1 - 55$
H46 | page 298											
Glide shoes	67.2	125 (KR < 200) 200 (KR ≥ 200)	$B_k + 5$	$B_k + 25$	2	$b_1 - 15$	22.5	30	6.5	30	$b_1 - 55$

The designations for dimension A refer to the version of the cable carrier connection.

Key for abbreviations on page 16

Design guidelines from page 62

Technical support:
technik@kabelschlepp.de

Standard Channel | Dimensions · Technical Data

Dimensions

M series

The cable carrier width B_k is taken into account for calculating the inner width of guide channel b_1 and the overall width B_{KA}.
For type M0320 we recommend aluminum guide channels, see p. 754.

Type	h_1 [mm]	h_{KA} [mm]	b_1 [mm]	B_{KA} [mm]	s [mm]	A [mm]	B [mm]	C [mm]	D [mm]	T [mm]	Y [mm]
M0475 | page 340											
Glide shoes	41.5	70 (KR < 100) 125 (KR ≥ 100)	$B_k + 4$	$B_k + 24$	2	$b_1 - 39.0$ (FI)	24	30	6.5	30	$b_1 - 55$
M0650 | page 340											
Glide shoes	60.2	117 (KR < 200) 200 (KR ≥ 200)	$B_k + 5$	$B_k + 25$	2	$b_1 - 55$ (FAI) $b_1 - 24$ (FU)	30 22.5	30	6.5	30	$b_1 - 65$
Offroad glide shoes	60.2	117 (KR < 200) 200 (KR ≥ 200)	$B_k + 5$	$B_k + 25$	2	$b_1 - 55$ (FAI) $b_1 - 24$ (FU)	30 22.5	30	6.5	30	$b_1 - 65$
M0950 | page 356											
Glide shoes	83.5	150 (KR < 200) 300 (KR ≥ 200)	$B_k + 5$	$B_k + 25$	2	$b_1 - 70.0$ (FAI) $b_1 - 19.5$ (FU)	40 35	30	8.5	30	$b_1 - 100$ $b_1 - 60$
Offroad glide shoes	86	150 (KR < 200) 300 (KR ≥ 200)	$B_k + 5$	$B_k + 25$	2	$b_1 - 70.0$ (FAI) $b_1 - 19.5$ (FU)	40 35	30	8.5	30	$b_1 - 100$ $b_1 - 60$
M1250 | page 372											
Glide shoes	99.5	200 (KR < 300) 400 (KR ≥ 300)	$B_k + 6$	$B_k + 26$	3	$b_1 - 83$ (FAI) $b_1 - 23$ (FU)	50 35	30	10.5 11	30	$b_1 - 125$ $b_1 - 65$
Offroad glide shoes	103	200 (KR < 300) 400 (KR ≥ 300)	$B_k + 6$	$B_k + 26$	3	$b_1 - 83$ (FAI) $b_1 - 23$ (FU)	50 35	30	10.5 11	30	$b_1 - 125$ $b_1 - 65$
M1300 | page 388											
–	120	250 (KR < 320) 400 (KR ≥ 320)	$B_k + 6$	$B_k + 26$	3	$b_1 - 27$ (FU)	35	30	11	40	$b_1 - 75$
Glide shoes	127	250 (KR < 320) 400 (KR ≥ 320)	$B_k + 6$	$B_k + 26$	3	$b_1 - 27$ (FU)	35	30	11	40	$b_1 - 75$

The designations for dimension A refer to the version of the cable carrier connection.

XL | XLT series

The cable carrier width B_k is taken into account for calculating the inner width of guide channel b_1 and the overall width B_{KA}.

Type	h_1 [mm]	h_{KA} [mm]	b_1 [mm]	B_{KA} [mm]	s [mm]	A [mm]	B [mm]	C [mm]	D [mm]	T [mm]	Y [mm]
XL1650 | page 416											
–	140	300 (KR < 350) 400 (KR ≥ 350)	$B_k + 6$	$B_k + 26$	3	$b_1 - 99$ (FAI)	50	40	13.5	40	$b_1 - 130$
Glide shoes	147	300 (KR < 350) 400 (KR ≥ 350)	$B_k + 6$	$B_k + 26$	3	$b_1 - 99$ (FAI)	50	40	13.5	40	$b_1 - 130$

The designations for dimension A refer to the version of the cable carrier connection.

Standard Channel | Dimensions · Technical Data

Dimensions

QUANTUM® series

The cable carrier width B_k is taken into account for calculating the inner width of guide channel b_1 and the overall width B_{KA}.

Type	h_1 [mm]	h_{KA} [mm]	b_1 [mm]	B_{KA} [mm]	s [mm]	A [mm]	B [mm]	C [mm]	D [mm]	T [mm]	Y [mm]
Q040 | page 426											
–	40	70 (KR < 110) 125 (KR ≥ 110)	$B_k + 4$	$B_k + 24$	2	$b_1 - 18$ (FU)	14	30	6.6	40	$b_1 - 35$
Q60 | page 432											
Glide shoes	66	117 (KR < 190) 200 (KR ≥ 190)	$B_k + 9$	$B_k + 29$	2	$b_1 - 29$ (FU)	29	30	6.6	40	$b_1 - 45$
Q080 | page 442											
Glide shoes	88	150 (KR < 200) 300 (KR ≥ 200)	$B_k + 13$	$B_k + 33$	2	$b_1 - 38$ (FU)	35	40	9	40	$b_1 - 70$
Q100 | page 456											
Glide shoes	108	250 (KR < 300) 400 (KR ≥ 300)	$B_k + 13$	$B_k + 33$	2	$b_1 - 43$ (FU)	35	40	11	40	$b_1 - 105$

The designations for dimension A refer to the version of the cable carrier connection.

TKA series

The cable carrier width B_k is taken into account for calculating the inner width of guide channel b_1 and the overall width B_{KA}.

Type	h_1 [mm]	h_{KA} [mm]	b_1 [mm]	B_{KA} [mm]	s [mm]	A [mm]	B [mm]	C [mm]	D [mm]	T [mm]	Y [mm]
TKA38 | page 516											
–	36	70 (KR < 95) 125 (KR ≥ 95)	$B_k + 4$	$B_k + 26$	2	$b_1 - 10.5$ (FU)	–	50	4.5	25	$b_1 - 40$
TKA45 | page 522											
–	51	117 (KR < 200) 200 (KR ≥ 200)	$B_k + 5$	$B_k + 28$	2	$b_1 - 12$ (FU)	15	50	5.5	25	$b_1 - 60$
TKA55 | page 530											
–	65	117 (KR < 200) 200 (KR ≥ 200)	$B_k + 5$	$B_k + 28$	2	$b_1 - 16$ (FU)	15	60	5.5	25	$b_1 - 60$

The designations for dimension A refer to the version of the cable carrier connection.

Some cable carriers are offered with optional glide shoes.
Our engineers will be happy to help with your project planning – please contact us.

Information on the fixing options for the standard channel can be found on page 744

Key for abbreviations on page 16

Design guidelines from page 62

Technical support:
technik@kabelschlepp.de

Standard Channel | Dimensions · Technical Data

Dimensions

S/SX series | S/SX tubes

The width B_k is taken into account for calculating the inner width of guide channel b_1 and the overall width B_{KA}.

Type	h_1 [mm]	h_{KA} [mm]	b_1 [mm]	B_{KA} [mm]	s [mm]	A [mm]	B [mm]	C [mm]	D [mm]	T [mm]	Y [mm]
S/SX 0650 | page 644											
Glide shoes	56	125 (KR ≤ 155) 200 (KR > 155	$B_k + 10$	$B_k + 30$	2	$b_1 - 47$	45	15	6.4	30	$b_1 - 70$
S/SX 0950 | page 654											
Glide shoes	73	150 (KR ≤ 200) 300 (KR > 200)	$B_k + 14$	$B_k + 34$	2	$b_1 - 77$	65	20	8.4	30	$b_1 - 100$
S/SX 1250 | page 666											
Glide shoes	99	200 (KR ≤ 300) 400 (KR > 300)	$B_k + 12$	$B_k + 32$	3	$b_1 - 76$	80	25	10.5	30	$b_1 - 100$
Offroad glide shoes	104	200 (KR ≤ 300) 400 (KR > 300)	$B_k + 12$	$B_k + 32$	3	$b_1 - 76$	80	25	10.5	50	$b_1 - 100$
S/SX 1800 | page 690											
Glide shoes	155	300 (KR ≤ 435) 500 (KR > 435)	$B_k + 17$	$B_k + 37$	3	$b_1 - 94$	115	30	13	50	$b_1 - 120$

The designations for dimension A refer to the version of the cable carrier connection.

Some cable carriers are offered with optional glide shoes.
Our engineers will be happy to help with your project planning – please contact us.

Information on the fixing options for the standard channel can be found on page 744

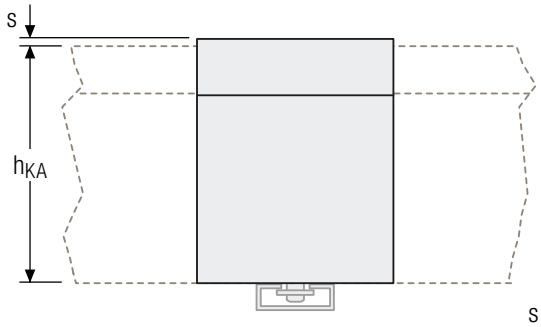
Subject to change.

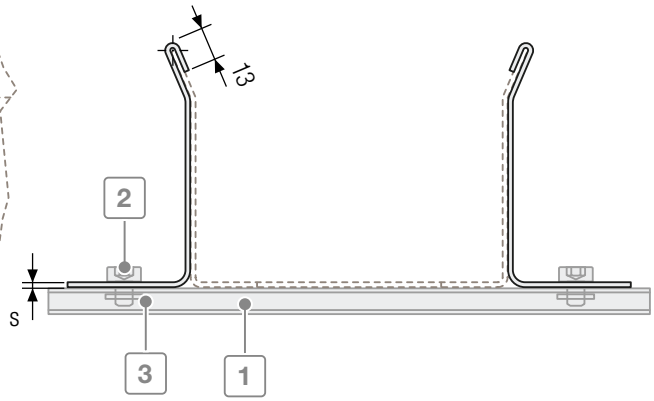
Standard Channel | Fixing Elements

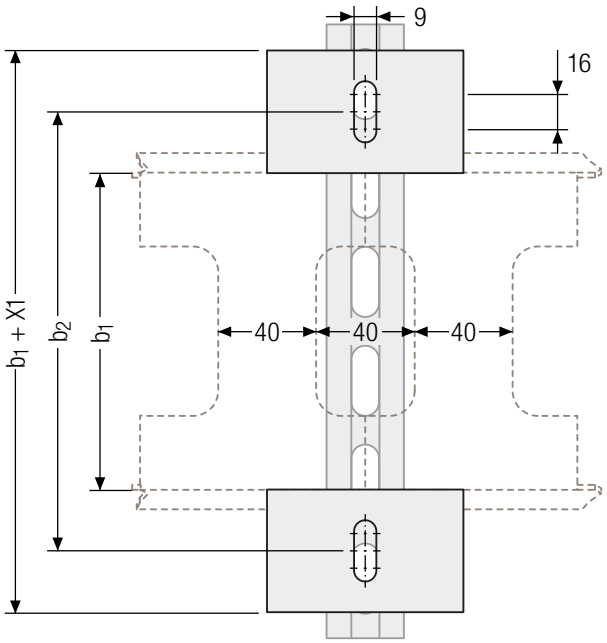
Standard fixing with angle brackets (standard)

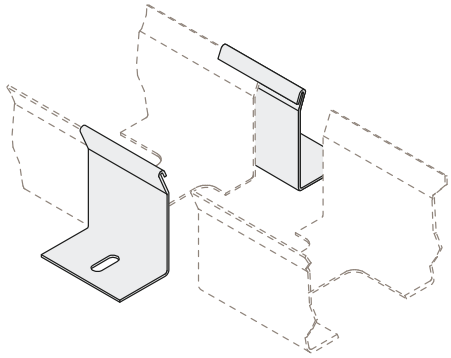
The angle brackets are mounted at the joins, ensuring precise connection of the joint areas in addition to fixing the channel to the substructure.

- Optimum alignment of the joins
- Reduced installation times
- Minimum number of screw connections
- Reliable fixing, even under rough conditions









The figure shows an open channel version

s [mm]	X1 [mm]	b_2 [mm]
2	104	$b_1 + 54$
3	106	$b_1 + 56$

The sheet metal thickness “s” corresponds to the respective wall thickness “s” of the channel.

As a standard, the angle brackets included with the delivery are installed on all joins as well as at both ends of a channel. If you require more angle brackets beyond this, please state this when ordering.

Calculating C-profile length

Suitable perforated C-profiles can be found from page 773

C-profile length L_P

$L_P = b_1 + 106$

C-profile length L_P rounded to 50 mm

Fixing kit (optional)

The delivery scope of the standard channel does not include the optional joining clamp fixing kit.

Fixing kit
1 C-rail (length depends on b_1)
2 Hexagon socket screws
3 Slide nut

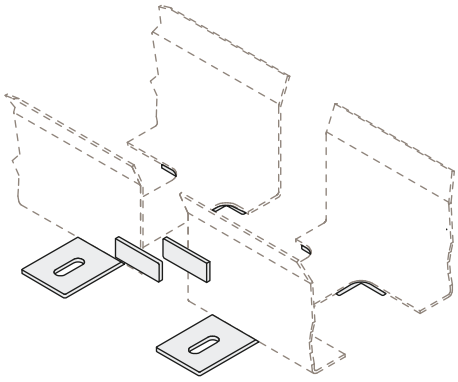
The length of the C-rail depends on the channel width and is supplied in standard lengths. Please contact us if you require custom lengths.

Standard Channel | Fixing Elements

Fixing with alignment flanges and floor fixing plate

The fixing tabs are mounted at the joins, ensuring precise connection of the joint areas in addition to fixing the channel to the substructure.

- Optimum alignment of the joins
- Minimum number of screw connections
- Reduced installation times
- Push-to-connect system



C-profile length L_P

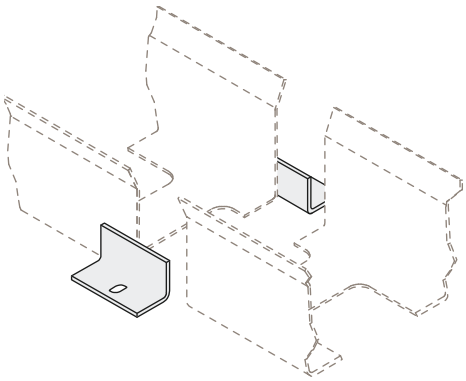
C-profile length L_P rounded to 50 mm

$L_P = b_1 + 105$

Fixing with floor fixing bracket

The floor fixing brackets are mounted at the joins, ensuring precise connection of the joint areas in addition to fixing the channel to the substructure.

- Easy alignment of the joins
- Minimized number of screw connections
- Reduced installation times



C-profile length L_P

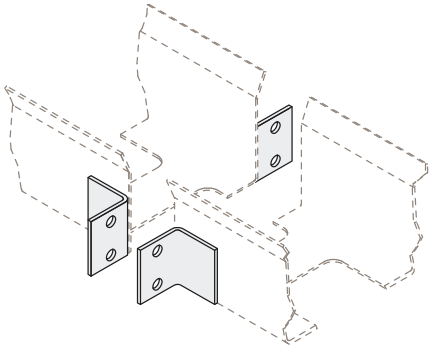
C-profile length L_P rounded to 50 mm

$L_P = b_1 + 66$

Fixing with lateral connecting flange

The unsupported connecting flanges are mounted at the joins, ensuring precise connection of the joint areas in addition to fixing the channel to the substructure.

- Unsupported joins without support (self supporting) through flange connections
- Reliable, secure connection even with extreme vibrations or in unsupported channel arrangements



C-profile length L_P

C-profile length L_P rounded to 50 mm

$L_P = b_1 + 86$

Order

Standard channel

To order the standard channel, please provide the following information:

- Number of guide channels
- Material
- Version of guide channel
- Part length
- Total length of channel
- Slide support length L_{KA}'
- Floor fixing
- Join connection
- Slide support height h_1
- Outer height of guide channel h_{KA}
- inner width of guide channel b_1