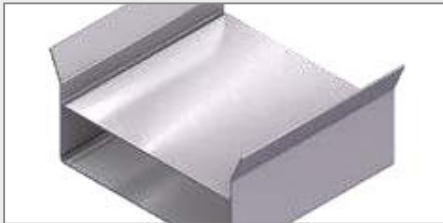


Guide channels

Guide channels are important elements for the reliable functioning with long travel lengths. The upper run of the cable carrier slides on the lower run and on the sliding area of the guide channel behind the fixed point. Guide channels prevent the upper run from slipping off the lower

run, ensuring quiet running with low wear. For vertical applications such as elevators or storage and retrieval systems, a vertical channel provides optimum guiding.



Standard channel Page 854

Sheet steel guide channels

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



Steel Guide System (TKSG) Page 864

Guide channels in the modular system

- Modular system with optimized design for long travel lengths.
- Zinc plated sheet steel or stainless steel.
- Easy installation.



Channel enclosure Page 869

Cover for guide channels

- Optimum protection against external influences.
- Easy access for inspection.
- Modular design.



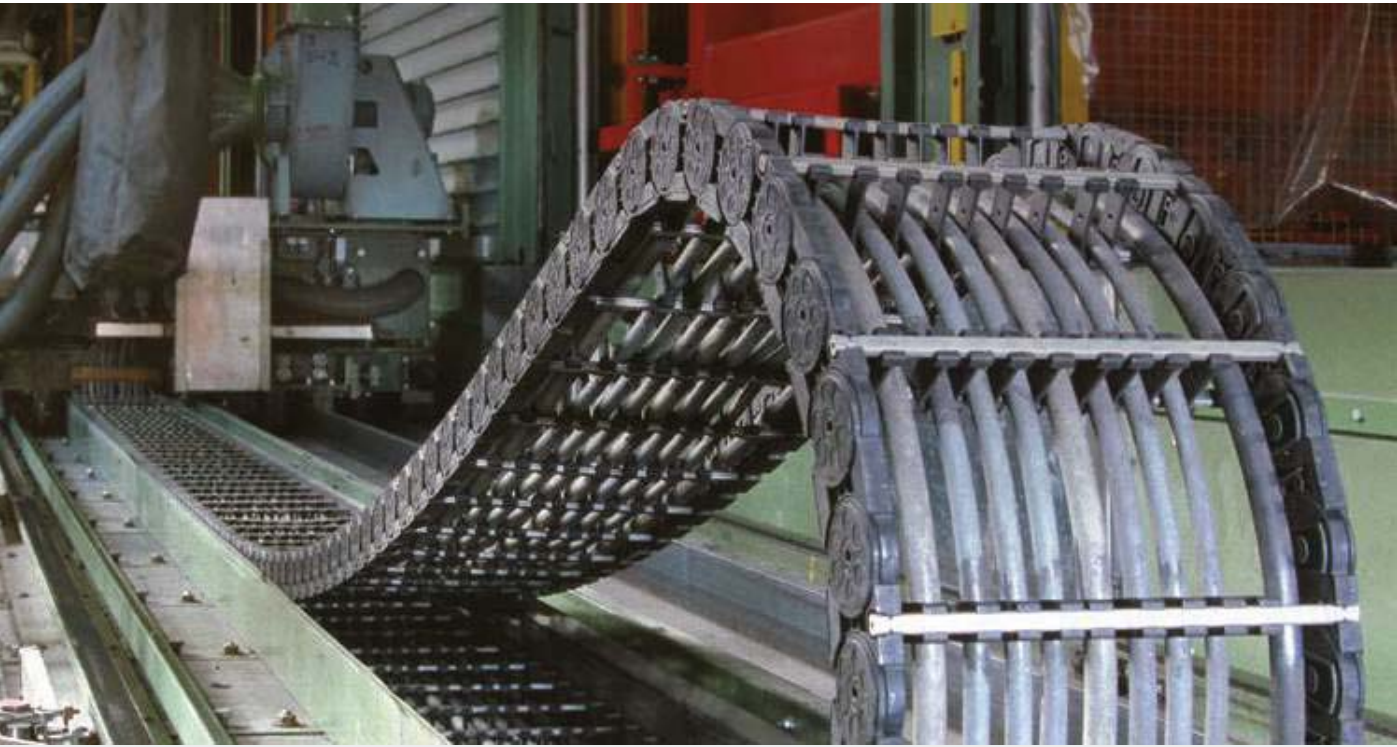
Alu Guide System (TKAL) Seite 870

Aluminium guide channels in the modular system

- Modular system with many mounting options.
- Standard lengths and sets.
- Lightweight design for high speeds.



Technical data on p. 852

MT
seriesXLT
seriesROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
seriesS/SX
seriesS/SX-Tubes
series

Accessories

TRAXLINE®



Easy Guide System (TKEG) Page 876

Guide channels for multifunctional use

- Flexible use in many areas of application.
- Made of zinc plated sheet steel or stainless steel.



Vertical Guide System (TKVG) Page 896

Guide channels for vertical hanging applications

- Ready-to-install channel system made of aluminum.
- Standardized module.
- Easy installation.
- For elevators, storage and retrieval systems and many other applications.

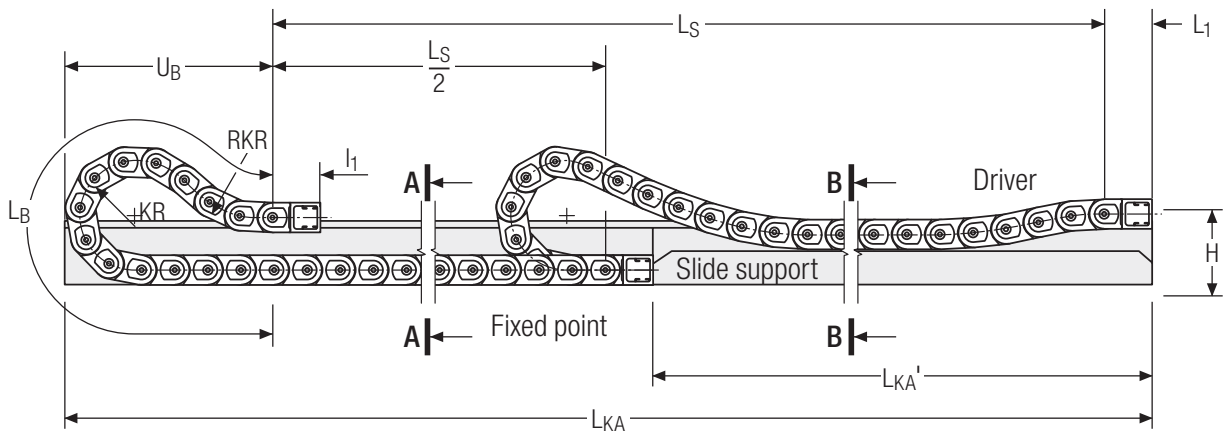


Assembly profiles Page 897

Assembly profiles for guide channels

- Assembly profiles with sloping sides can be used for all guide channels for fastening
- Lengths in 50 mm grid possible

One-sided arrangement – with lower driver connection and reverse bending radius (standard)



Calculating the channel length

Channel length L_{KA}

$$L_{KA} = L_S + U_B + L_1$$

Calculating the connection height

Connection height H

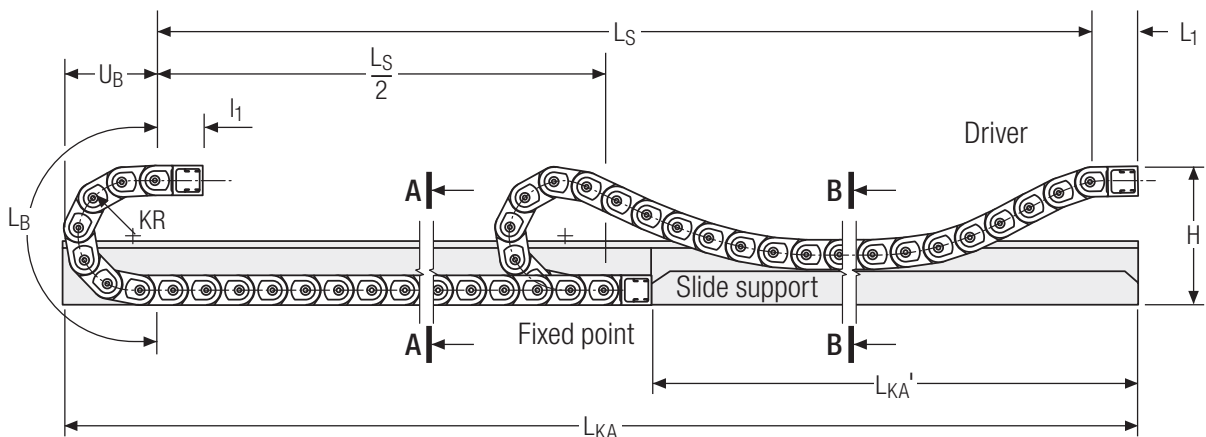
$$H = 3 h_G$$

Calculating the slide support length

slide support length L_{KA}'

$$L_{KA}' = L_S / 2$$

One-sided arrangement – high connection



Calculating the channel length

Channel length L_{KA}

$$L_{KA} = L_S + U_B + L_1$$

Connection height high connection

Connection height H

$$H = 2 \times KR + h_G$$

Calculating the slide support length

slide support length L_{KA}'

$$L_{KA}' = L_S / 2$$

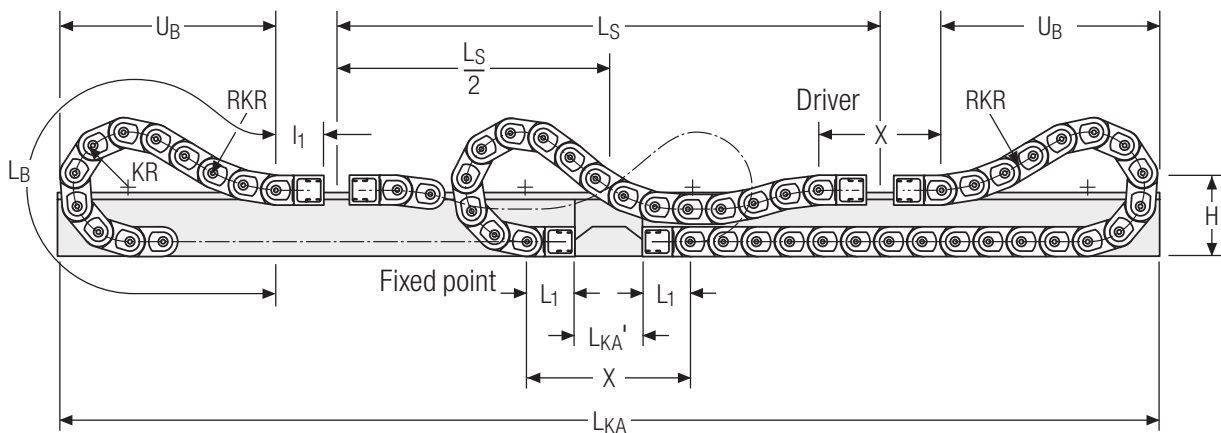


TSUBAKI KABELSCHLEPP Technical Support

Increased wear on the cable carrier can occur in applications with a **high driver connection**. Please use our technical support at technik@kabelschlepp.de for the configuration of your application.

We will be happy to help you.

Opposite arrangement – with lower driver connection and reverse bending radius (standard)



Calculating the channel length

Channel length L_{KA}

$$L_{KA} = L_S + 2 U_B + X$$

Calculating the connection height

Connection height H

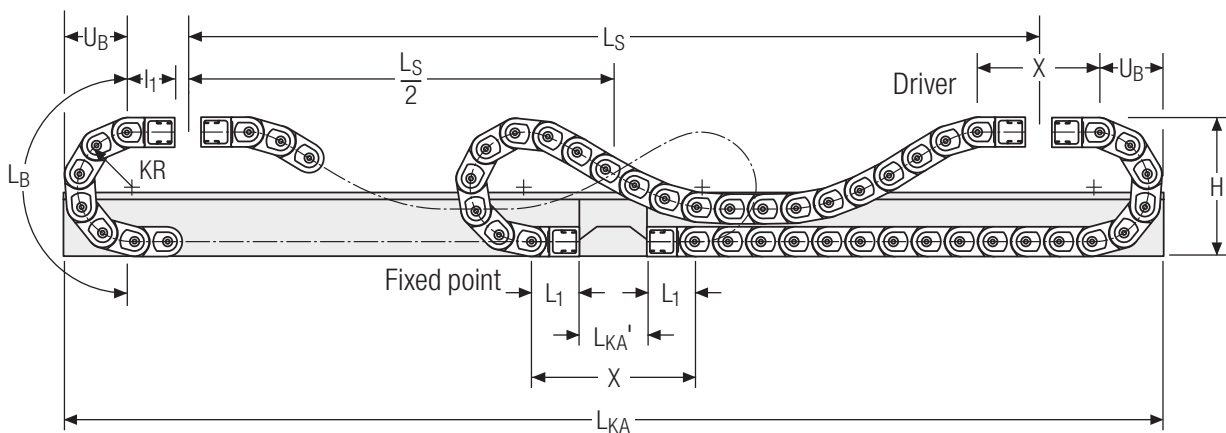
$$H = 3 h_G$$

Calculating the slide support length

slide support length L_{KA}'

$$L_{KA}' = X - 2 L_1$$

Opposite arrangement – high connection



Calculating the channel length

Channel length L_{KA}

$$L_{KA} = L_S + 2 U_B + X$$

Connection height high connection

Connection height H

$$H = 2 \times KR + h_G$$

Calculating the slide support length

slide support length L_{KA}'

$$L_{KA}' = X - 2 L_1$$

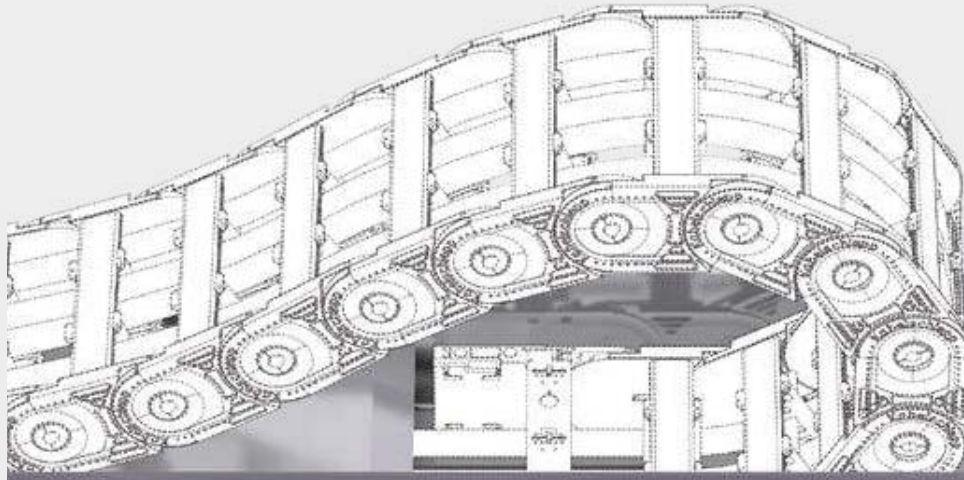
i Depending on the chain size, the inner channel width is 4-6 mm larger than the width of the guided cable carrier. Depending on the travel length, the connection height of the cable carrier must be reduced. Please contact us! We will be happy to calculate the suitable guide channel for your application.

i The calculated channel and support lengths are rounded to a reasonable production or installation dimension of the section lengths. A possible travel reserve must be taken into account. Standard section lengths are specified for each channel design.

i For different distances between the fixed points and drivers in your application please contact us.

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. 856

MT
seriesXLT
seriesROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
seriesS/SX
seriesS/SX-Tubes
series

Accessories

TRAXLINE®

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.

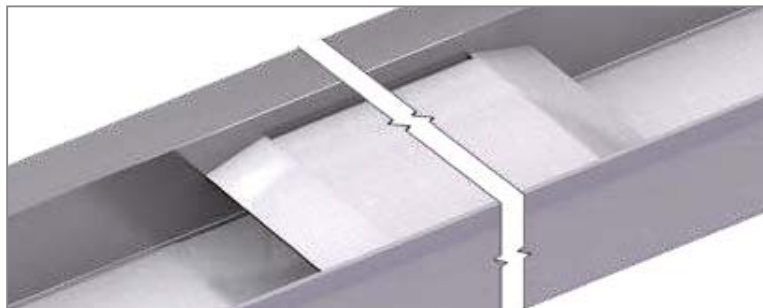


Opposite arrangement

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

Closed design

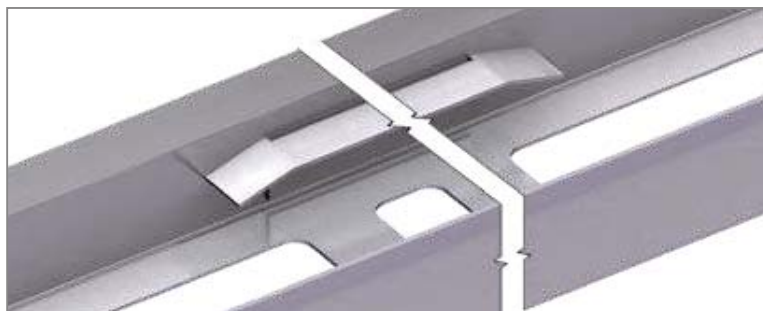
One part channel closed at the bottom and one part slide support with run-on bevels.



Open design

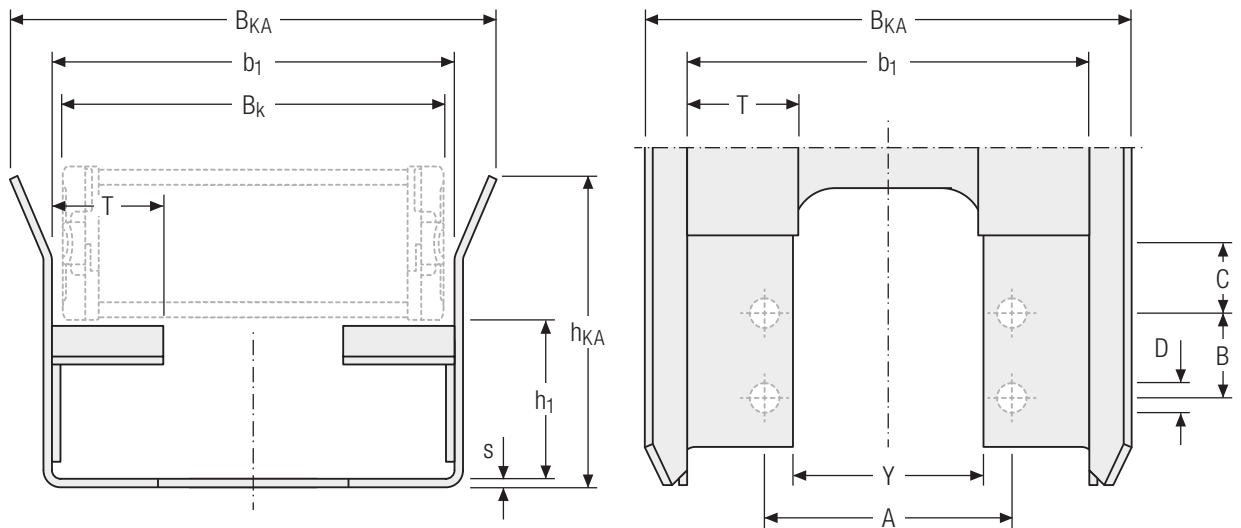
One part channel closed at the bottom and divided slide support with run-on bevels.

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.

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

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 162											
-	36	70 (KR < 100)	$B_k + 4$	$B_k + 24$	2	$b_1 - 34.0$ (FA-A)	-	40	6.2	30	$b_1 - 65$
		125 (KR \geq 100)	$B_k + 7$			$b_1 - 34.5$ (FA-L)					$b_1 - 40$
Glide shoes	38.5	70 (KR < 100)	$B_k + 7$	$B_k + 27$	2	$b_1 - 13.5$ (FU)	-	50	5.3	30	$b_1 - 40$
		125 (KR \geq 100)				$b_1 - 37.0$ (FA-A)					$b_1 - 65$
						$b_1 - 37.5$ (FA-A)					$b_1 - 40$
						$b_1 - 16.5$ (FU)		50	5.3		$b_1 - 40$
UA1555 page 172											
-	50	117 (KR < 200)	$B_k + 5$	$B_k + 25$	2	$b_1 - 43$ (FA)	-	50	6.5	30	$b_1 - 85$
		200 (KR \geq 200)				$b_1 - 16$ (FU)					22.5
Glide shoes	53	117 (KR < 200)	$B_k + 9$	$B_k + 29$	2	$b_1 - 47$ (FA)	-	50	6.5	30	$b_1 - 85$
		200 (KR \geq 200)				$b_1 - 21$ (FU)					22.5
UA1665 page 182											
-	60	117 (KR < 200)	$B_k + 5$	$B_k + 25$	2	$b_1 - 47$ (FA)	-	60	8.5	30	$b_1 - 85$
		200 (KR \geq 200)				$b_1 - 14$ (FU)					22.5
Glide shoes	63	117 (KR < 200)	$B_k + 10$	$B_k + 30$	2	$b_1 - 52$ (FA)	-	60	8.5	30	$b_1 - 85$
		200 (KR \geq 200)				$b_1 - 19$ (FU)					22.5

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).

 The cable carrier outer width without attachments 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]
UA1775 page 194											
–	77	150 (KR < 200) 300 (KR ≥ 200)	B _k + 5	B _k + 25	2	b ₁ – 19.6 (FU)	20	60	8.5	30	b ₁ – 60
Glide shoes	81.5	150 (KR < 200) 300 (KR ≥ 200)	B _k + 10	B _k + 30	2	b ₁ – 24.6 (FU)	20	60	8.5	30	b ₁ – 65
UA1995 page 202/346											
–	110	150 (KR < 200) 300 (KR ≥ 200)	B _k + 6	B _k + 26	2	b ₁ – 28 (FU)	35	60	8.5	30	b ₁ – 60
Glide shoes	116.5	150 (KR < 200) 300 (KR ≥ 200)	B _k + 11	B _k + 31	2	b ₁ – 28 (FU)	35	60	8.5	30	b ₁ – 60

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

Dimensions

TKK39 series

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]
TKK39 page 222											
–	50	117	B _k + 5	B _k + 25	2	b ₁ – 43	24	40	5.2	30	b ₁ – 40

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

K series

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 310											
–	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 (FA) b ₁ – 27 (FU)	40	30	6.5	30	b ₁ – 65
K0900 page 324											
–	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 – 34.0 (FA) b ₁ – 34.5 (FU)	50	30	6.5	30	b ₁ – 75

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



Dimensions

M series

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 370											
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 378											
Glide shoes	60.6	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	$b_1 - 70$
Offroad glide shoes	62.2	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 394											
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 420											
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 446											
–	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.



Our engineers will be happy to help with your project planning – please contact us.



The cable carrier outer width without attachments B_k is taken into account for calculating the inner width of guide channel b_1 and the overall width B_{KA} .

Dimensions

TKHD series

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]
TKHD85 page 458											
Glide shoes	90.5	200 (KR < 350) 400 (KR ≥ 350)	$B_k + 6$	$B_k + 26$	2	$b_1 - 100$ (FAI)	80	45	12	40	$b_1 - 80$
TKHD85-R page 470											
Glide shoes	–	200 (KR < 350) 400 (KR ≥ 350)	$B_k + 6$	$B_k + 26$	2	$b_1 - 100$ (FAI)	80	45	12	40	$b_1 - 80$
TKHD90 page 464											
Glide shoes	127.5	200 (KR < 310) 400 (KR ≥ 310)	$B_k + 6$	$B_k + 26$	2	$b_1 - 96$ (FAI)	40	40	12	65	$b_1 - 65$
TKHD90-R page 476											
Glide shoes	–	200 (KR < 310) 400 (KR ≥ 310)	$B_k + 6$	$B_k + 26$	2	$b_1 - 96$ (FAI)	40	40	12	65	$b_1 - 65$

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

XL | XLT series

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 486											
–	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.



The cable carrier outer width without attachments B_k is taken into account for calculating the inner width of guide channel b_1 and the overall width B_{KA} .



Information on the fixing options for the standard channel can be found on page 862

 MT
series

 XLT
series

 ROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

 LS/LSX
series

 S/SX
series

 S/SX-Tubes
series

Accessories

TRAXLINE®

Dimensions

QUANTUM® series

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 496											
–	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 502											
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 512											
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 526											
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

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]
TKA30 page 580											
–	29.15	70 (KR < 95) 125 (KR ≥ 95)	B _k + 4	B _k + 24	2	b ₁ – 31 (FU)	–	50	6.5	–	–
TKA38 page 586											
–	36.75	70 (KR < 95) 125 (KR ≥ 95)	B _k + 4	B _k + 24	2	b ₁ – 10.5 (FU)	–	50	4.5	25	b ₁ – 55
TKA45 page 592											
–	51	117 (KR < 200) 200 (KR ≥ 200)	B _k + 5	B _k + 25	2	b ₁ – 12 (FU)	–	50	5.5	25	b ₁ – 60
TKA55 page 600											
–	65	117 (KR < 200) 200 (KR ≥ 200)	B _k + 5	B _k + 25	2	b ₁ – 16 (FU)	–	60	5.5	25	b ₁ – 75

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



The cable carrier outer width without attachments B_k is taken into account for calculating the inner width of guide channel b₁ and the overall width B_{KA}.

Dimensions

UAT series

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]
UAT1555 page 612											
–	69	117 (KR < 200) 200 (KR ≥ 200)	$B_k + 5$	$B_k + 25$	2	$b_1 - 15$ (FU)	25 40	40	5.5	30	$b_1 - 80$

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

S/SX series | S/SX tubes

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 732											
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 742											
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 754											
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 778											
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.

MT series

XLT series

ROBOTRAX® System

FLATVEYOR®

CLEANVEYOR®

LS/LSX series

S/SX series

S/SX-Tubes series

Accessories

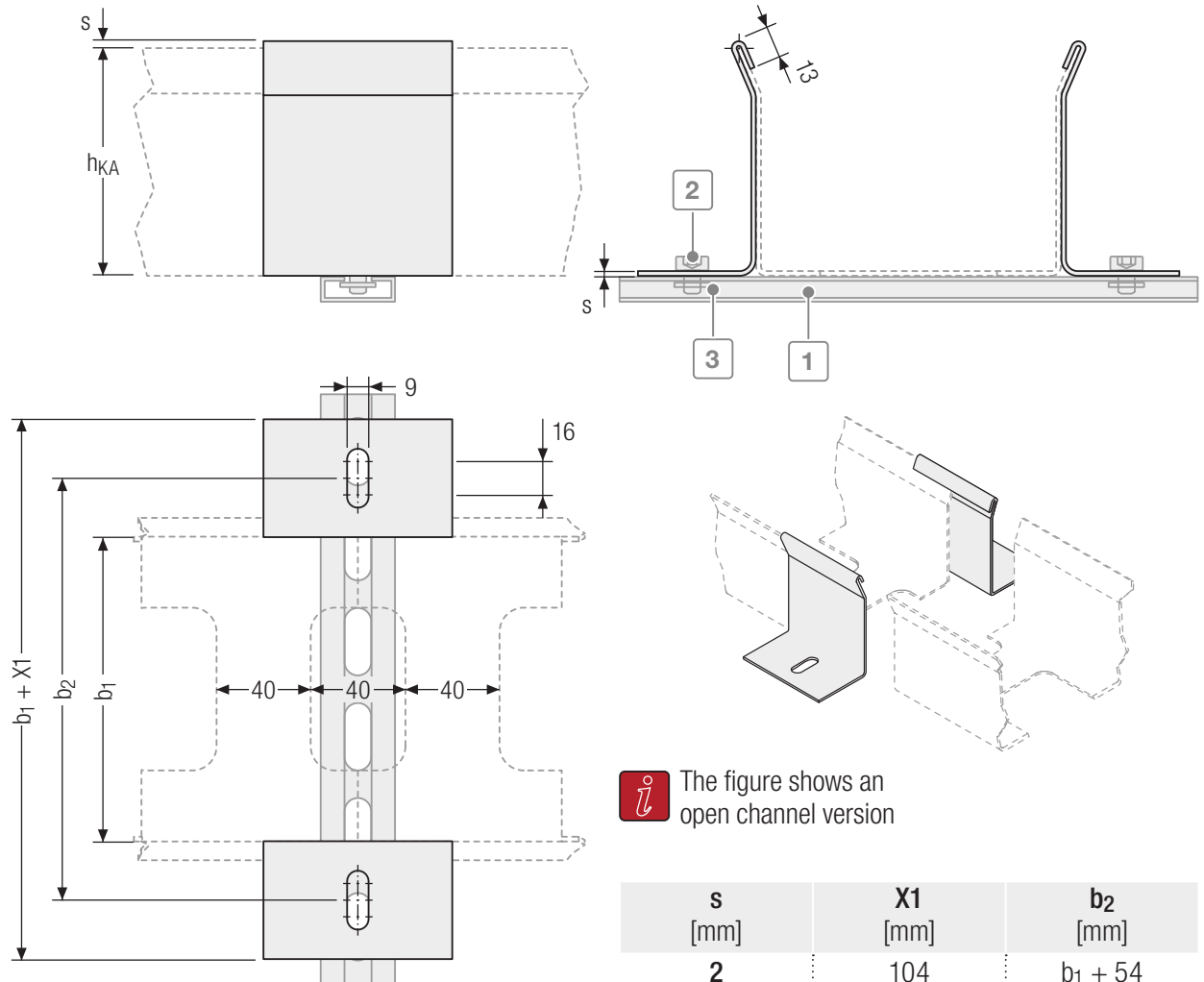
TRAXLINE®



Standard fixing with angle brackets (standard)

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

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



i The figure shows an open channel version

s [mm]	X1 [mm]	b ₂ [mm]
2	104	b ₁ + 54
3	106	b ₁ + 56

i The sheet metal thickness "s" corresponds to the respective wall thickness "s" of the channel.

i As a standard, the angle brackets included with the delivery are installed on all joints 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 897

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 b₁)
- 2 Hexagon socket screws
- 3 Slide nut

i 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.

MT series

XLT series

ROBOTRAX® System

FLATVEYOR®

CLEANVEYOR®

LS/LSX series

S/SX series

S/SX-Tubes series

Accessories

TRAXLINE®

Fixing with alignment flanges and floor fixing plate

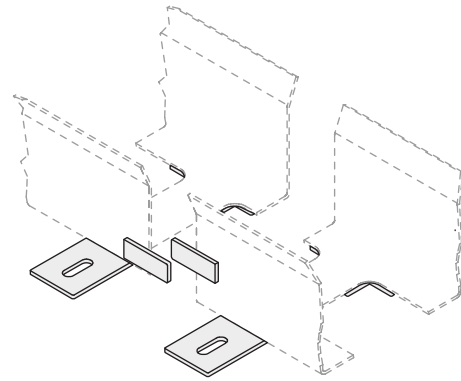
The fixing tabs are mounted at the joins, ensuring precise connection of the joint areas in addition to fixing the channel to the substructure.

- Optimum alignment of the joins
- Reduced installation times
- Minimum number of screw connections
- 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

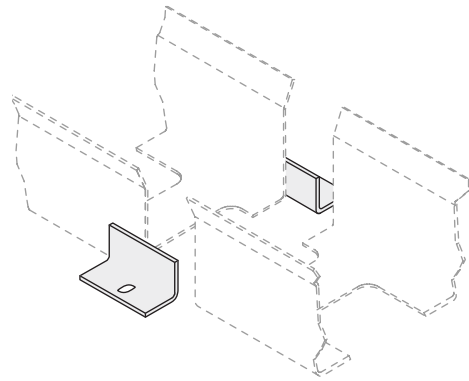
The floor fixing brackets are mounted at the joins, ensuring precise connection of the joint areas in addition to fixing the channel to the substructure.

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

C-profile length L_P

C-profile length L_P
rounded to 50 mm

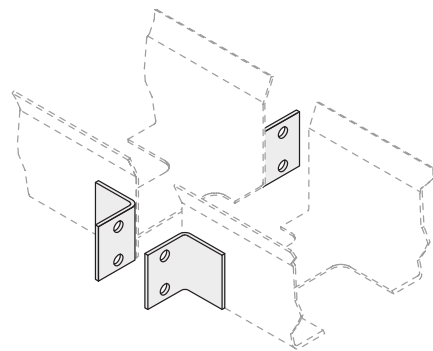
$$L_P = b_1 + 66$$



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



Order

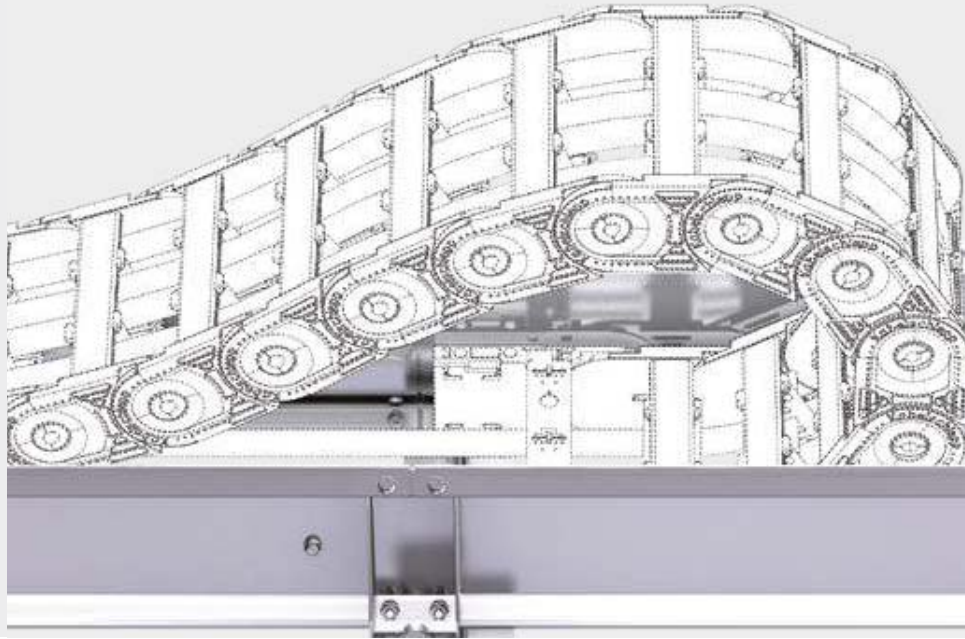
Standard channel

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

Guide channels in the modular system

- Modular system with optimized design for long travel lengths.
- Easy installation.
- Available in zinc plated sheet steel or stainless steel.



Zinc plated sheet steel /
stainless steel



Standard lengths 1000 / 2000 mm
Special lengths on request

Features

- Especially suitable for cranes and applications with long travel lengths
- Simple design for short installation times
- No accumulation of dirt through open construction
- Fast and easy installation thanks to pre-assembled sidebands and channel brackets
- Complete system for screw-fitting
- All components without welds

MT
seriesXLT
seriesROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
seriesS/SX
seriesS/SX-Tubes
series

Accessories

TRAXLINE®

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-off bevels.

Open design

Channel profile with and without slide supports incl. run-on bevels.
Dirt and liquids can drop through without restrictions.

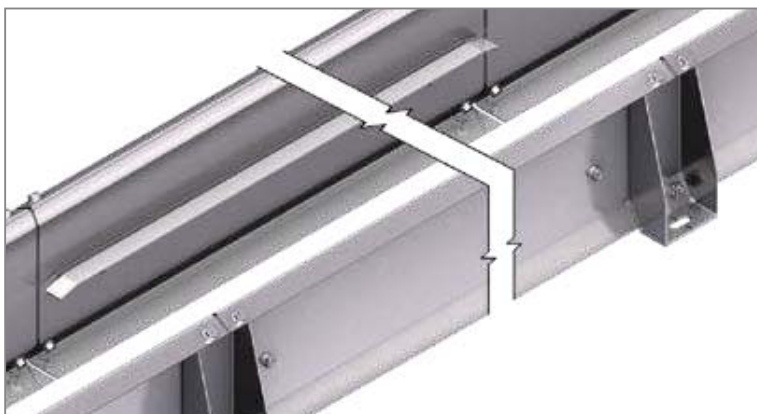


Opposite arrangement

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

Open design

Channel profile with and without slide supports incl. run-on bevels.
Dirt and liquids can drop through without restrictions.



MT series

XLT series

ROBOTRAX® System

FLATVEYOR®

CLEANVEYOR®

LS/LSX series

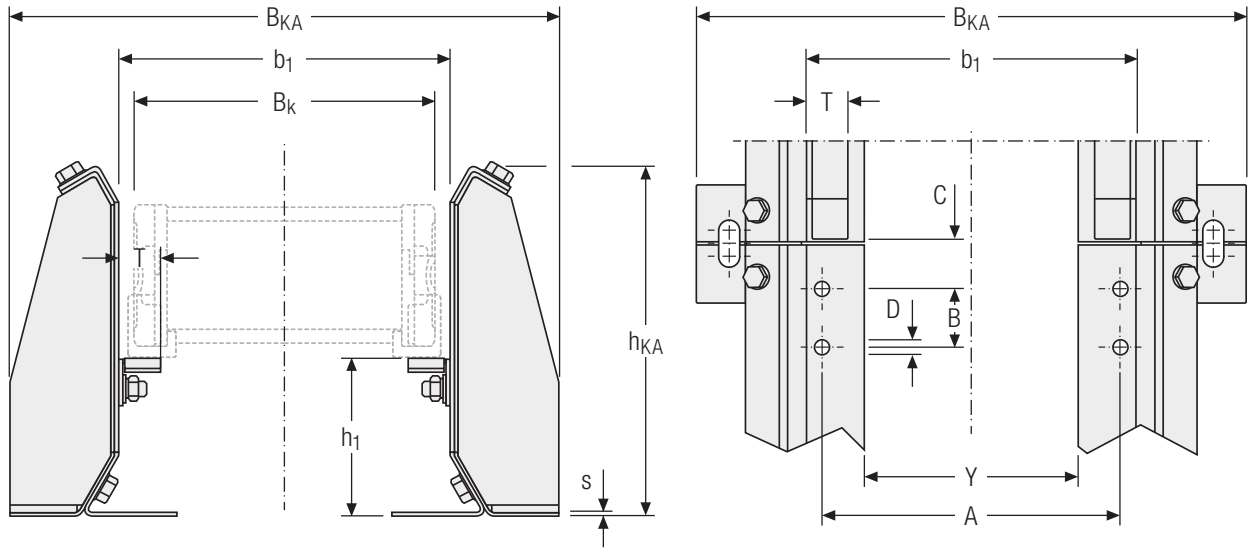
S/SX series

S/SX-Tubes series

Accessories

TRAXLINE®

Dimensions



Dimensions

UNIFLEX Advanced

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]
UA1555 page 172											
Glide shoes	53	124	$B_k + 9$	$B_k + 139$	2	$b_1 - 47$ (FA) $b_1 - 21$ (FU)	– 22.5	25 22.5	6.4 5.5	24	$b_1 - 69$
UA1665 page 182											
Glide shoes	63.5	124 (KR < 200) 176 (KR ≥ 200)	$B_k + 10$	$B_k + 140$	2	$b_1 - 52$ (FA) $b_1 - 19$ (FU)	– 22.5	30.5 25	8.4 5.5	24 25	$b_1 - 69$ $b_1 - 66$
UA1775 page 194											
Glide shoes	83.5	176 (KR < 200) 209 (KR ≥ 200)	$B_k + 10$	$B_k + 140$	2	$b_1 - 52$ (FA) $b_1 - 19$ (FU)	20	30	8.5	25	$b_1 - 66$ $b_1 - 70$
UA1995 page 202/346											
Glide shoes	116.5	258	$B_k + 11$	$B_k + 141$	2	$b_1 - 28$ (FU)	35	30	8.5	50	$b_1 - 100$

M series

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]
M0650 page 378											
Glide shoes	60.5	124 (KR < 200) 176 (KR ≥ 200)	$B_k + 5$	$B_k + 135$	2	$b_1 - 55$ (FAI) $b_1 - 24$ (FU)	30 22.5	25 30.5	6.4 6.5	24 25	$b_1 - 69$ $b_1 - 66$



The cable carrier outer width without attachments B_k is taken into account for calculating the inner width of guide channel b_1 and the overall width B_{KA} .



The dimension A refers only to the connection holes.

Dimensions

M series

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]
M0950 page 394											
Glide shoes	83.5	176 (KR < 200) 209 (KR ≥ 200)	B_k + 5	B _k + 135	2	b ₁ – 70 (FAI)	40	30	8.4	25	b ₁ – 66
Offroad glide shoes	86.5					b ₁ – 19.5 (FU)	35	34.5	8.5		b ₁ – 70
M1250 page 420											
Glide shoes	99.5	209 (KR < 300) 258 (KR ≥ 300)	B_k + 6	B _k + 136	2	b ₁ – 83 (FAI)	50	35	10.5	50	b ₁ – 70
Offroad glide shoes	103					b ₁ – 23 (FU)	35	40.5	11		b ₁ – 90
M1300 page 446											
Glide shoes	127.5	258	B_k + 6	B _k + 136	2	b ₁ – 27 (FU)	35	30	11	50	b ₁ – 90


TKHD series

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]
TKHD85 page 458											
Glide shoes	90.5	209	B_k + 6	B _k + 136	2	b ₁ – 100 (FAI)	80	25	12	35	b ₁ – 70
TKHD90 page 464											
Glide shoes	127.5	258	B_k + 6	B _k + 136	2	b ₁ – 96 (FAI)	40	25	12	50	b ₁ – 90
TKHD85-R page 470											
Glide shoes	84	209	B_k + 6	B _k + 136	2	b ₁ – 100 (FAI)	80	25	12	35	b ₁ – 70
TKHD90-R page 476											
Glide shoes	117	258	B_k + 6	B _k + 136	2	b ₁ – 96 (FAI)	40	25	12	50	b ₁ – 90

S/SX series

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/SX0650 page 732											
Glide shoes	56	124	B_k + 10	B _k + 140	2	b ₁ – 47 (FAI)	45	25	6.4	24	b ₁ – 69
S/SX0950 page 742											
Glide shoes	73	176	B_k + 10	B _k + 140	2	b ₁ – 77 (FAI)	65	30	8.4	27	b ₁ – 66
S/SX1250 page 754											
Offroad glide shoes	103	209 (KR < 350) 258 (KR ≥ 350)	B_k + 12	B _k + 142	2	b ₁ – 76 (FAI)	80	35	10.5	50	b ₁ – 100
S/SX1252 page 754											
Offroad glide shoes	103	209 (KR < 350) 258 (KR ≥ 350)	B_k + 12	B _k + 142	2	b ₁ – 76 (FAI)	80	35	10.5	50	b ₁ – 100

Subject to change without notice.

 The cable carrier outer width without attachments B_k is taken into account for calculating the inner width of guide channel b₁ and the overall width B_{KA}.

MT series

XLT series

ROBOTRAX® System

FLATVEYOR®

CLEANVEYOR®

LS/LSX series

S/SX series

S/SX-Tubes series

Accessories

TRAXLINE®

MT
seriesXLT
seriesROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
seriesS/SX
seriesS/SX-Tubes
series

Accessories

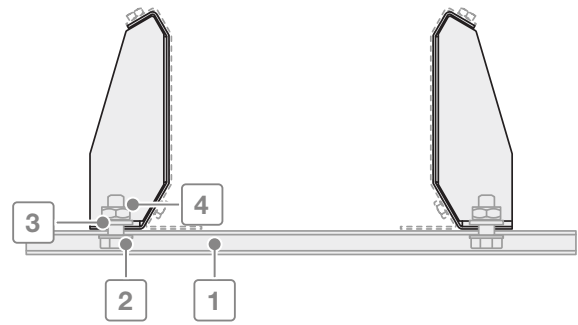
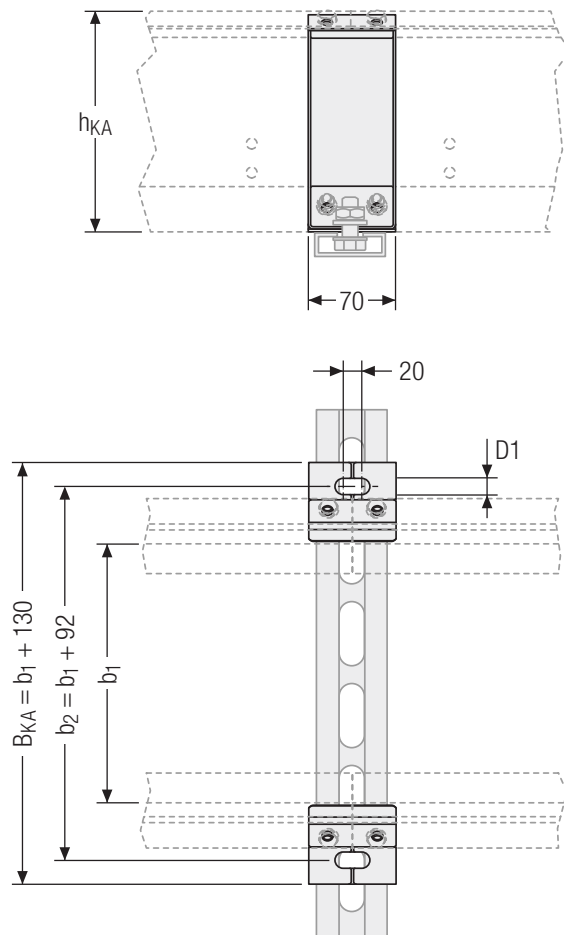
TRAXLINE®

Fixing with channel brackets

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

- Optimum alignment of the joins
- Reduced installation times
- No welds

- Minimum number of screw connections
- Reliable fixing under rough conditions
- High stability



h_{KA} [mm]	$D1$ [mm]	s [mm]
123	11	2
175	11	2
208	11	2
257	11	2

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

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

Fixing kit (optional)

The delivery scope of the Steel Guide System (TKSG) does not include the optional joining clamp fixing kit.

Fixing kit

- 1 C-rail (length depends on b_1)
- 2 T-head bolt M10
- 3 Hex nut
- 4 Washer

Calculating C-profile length

Suitable perforated C-profiles can be found from page 897

C-profile length L_P

$$L_P = B_{KA} + 50 \text{ mm}$$

C-profile length L_P
rounded to 50 mm

Order

To order the Steel Guide System (TKSG), please provide the following information:

- Number of guide channels
- Total length of channel
- Support length L_{KA}'
- Over height of guide channel h_{KA}
- Inner width of guide channel b_1
- Material
- Support height h_1
- Delivery (unmounted/mounted)
- Fixing with or without C-profile

Cover for guide channels



Protection against external influences: Maintenance-friendly enclosure

- Easy inspection of the cable carrier.
- Openable at any position.
- Protection of the cable carrier system against external influences (coarse dirt, falling parts, snow, ice).
- Disassembly without screws.
- To open without tools.
- Secured against accidental closing in opening position.
- Can be used with any TSUBAKI KABELSCHLEPP channel system.
- Modular design.



Our engineers will be happy to help with your project planning – please contact us.

MT
series

XLT
series

ROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
series

S/SX
series

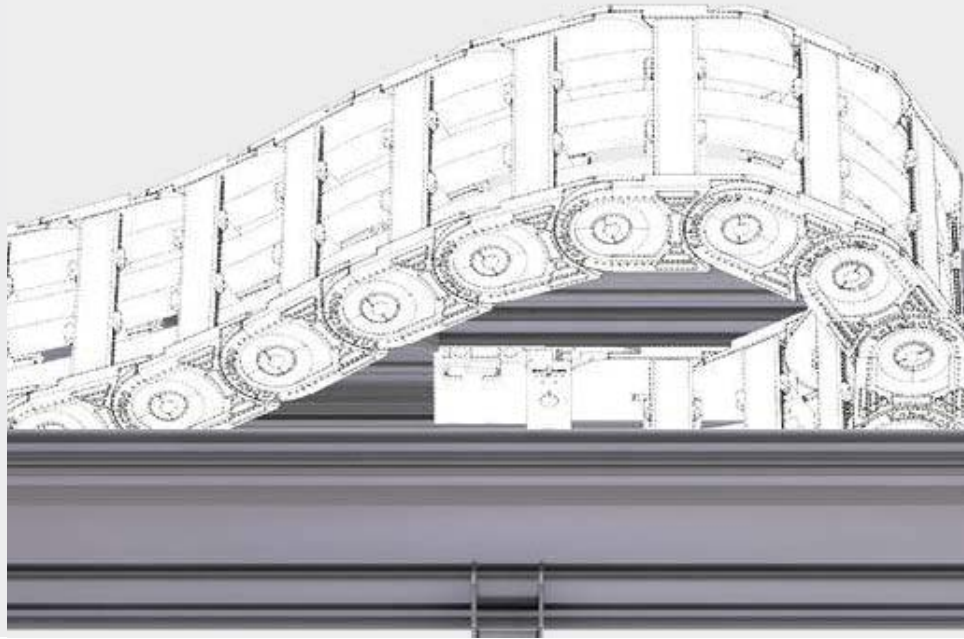
S/SX-Tubes
series

Accessories

TRAXLINE®

Aluminium guide channels in the modular system

- Modular system with many mounting options.
- Standard lengths and sets.
- Lightweight design for high speeds.
- Slide and roller support made of high-quality plastic.



Channel side wall
Al alloy



Standard lengths 1000 / 2000 mm
Special lengths on request

Features

- Safe operation on long travel length
- Seawater resistant
- Twin channel connectors for parallel arrangement of several channels
- Standard- and Heavy-Duty-Version
- Variable fixation in standard stainless steel
- UMB mounting kit for assembly of the cable carrier

The Alu Guide System (TKAL) for long travel applications and high loads ensures secure guidance and smooth running of the energy chain in a gliding and rolling application.

The standardized channel profiles of 1000 / 2000 mm in length can be individually adjusted to the width of the chain. They can be quickly and easily be installed with the help of a mounting kit. Such UMB mounting kits are also available for attaching the fixed-point of the energy chain.

The optional damping band additionally reduces noise emission and guarantees an even quieter running of the chain.

TSUBAKI KABELSCHLEPP also offer the Alu Guide System (TKAL) together with the appropriate energy chain as well as with the ready-to-install TOTALTRAX® System including cables.



Assembly instruction

One-sided arrangement

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

Open design

Channel with and without supports incl. run-on bevels.

Dirt and water can drop through without restrictions.



Opposite arrangement

For opposite arrangement, a slide support with a minimum length of 500 mm is also attached for bridging between the fixed point connections.

Open design

Channel with and without supports incl. run-on bevels.

Dirt and water can drop through without restrictions.



Glide and roll support made of plastic

Glide support

- Simple and quick mounting by hooking in
- Slip-free hold in channel fastening groove
- 500 mm long, loadable up to 100 kg
- Compensation of linear expansion by tothing at the joints – continuous glide surface
- Optimized, rounded approach slope without bend



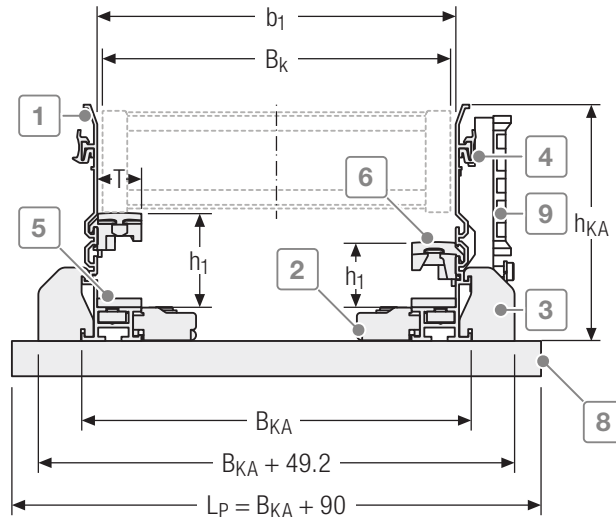
Roll support (TKAL 254/274)

- Simple and quick mounting by hooking in
- Slip-free hold in channel fastening groove
- 500 mm long, loadable up to 100 kg
- Compensation of linear expansion by tothing at the joints – continuous roll surface
- Minimal noise emission

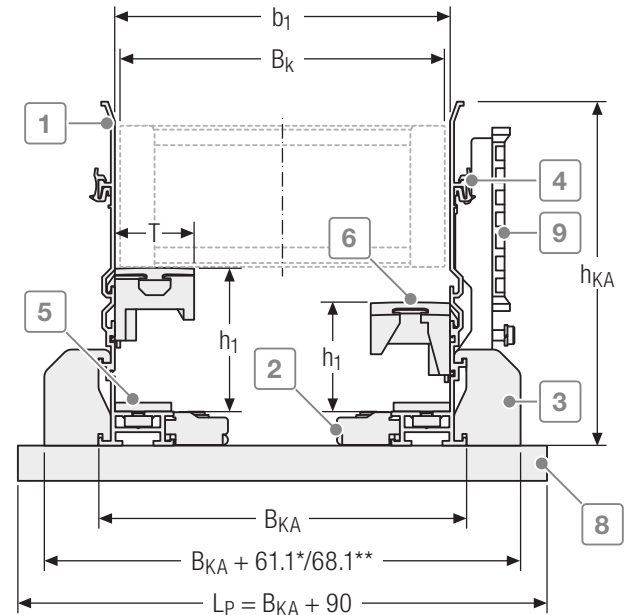


Dimensions

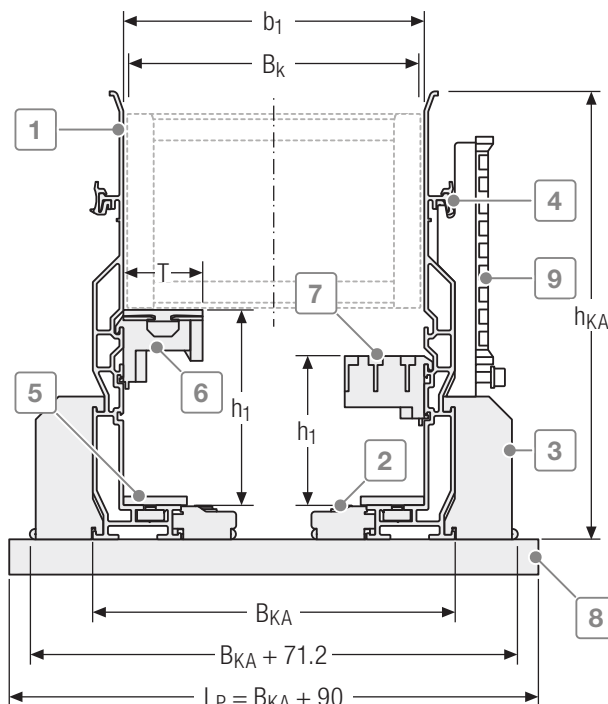
TKAL 134



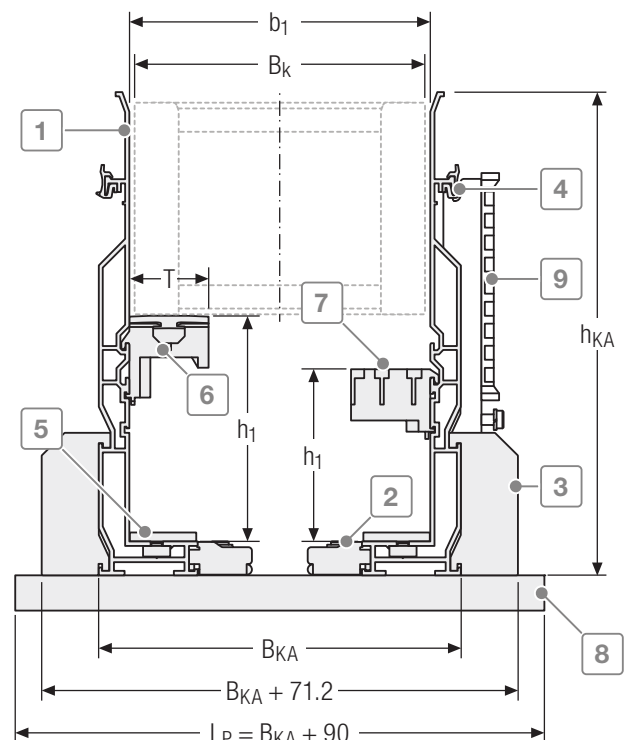
TKAL 195



TKAL 254



TKAL 274



i As a standard, the mounting kits 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.

- 1 Channel profile
- 2 Internal mounting kit
- 3 External mounting kit
- 4 Joint connectors
- 5 Damping band (optional)

- 6 Stable gliding support made of plastic
- 7 Stable roller support made of plastic
- 8 C-Rail
- 9 Strain relief holder kit

* for C-profiles 3938/3939

** for C-profiles 3940/3941

UNIFLEX *Advanced* series


Type	Channel type	h_1 [mm]	h_{KA} [mm]	b_1 [mm]	b_2 [mm]	b_3 [mm]	B_{KA} [mm]	T [mm]
UA1455 page 162								
Glide shoes	134	40	134	$B_k + 7$	$B_k + 50$	$B_k - 69$	$B_k + 25$	25
UA1555 page 172								
Glide shoes	134	53	134	$B_k + 9$	$B_k + 52$	$B_k - 67$	$B_k + 27$	25
UA1665 page 182								
Glide shoes	195	61,5	195	$B_k + 10$	$B_k + 60,15$	$B_k - 82,4$	$B_k + 28,6$	45
UA1775 page 194								
Glide shoes	195	81	195	$B_k + 9$	$B_k + 59,15$	$B_k - 83,4$	$B_k + 27,6$	45
UA1995 page 202								
Glide shoes	254	116	254	$B_k + 10,4$	$B_k + 71,9$	$B_k - 81$	$B_k + 45$	45


K series

Type	Channel type	h_1 [mm]	h_{KA} [mm]	b_1 [mm]	b_2 [mm]	b_3 [mm]	B_{KA} [mm]	T [mm]
K0650 page 310								
–	134	56,5	134	$B_k + 5$	$B_k + 48$	$B_k - 71$	$B_k + 23$	25
Slide discs	134	56,5	134	$B_k + 13$	$B_k + 56$	$B_k - 63$	$B_k + 31$	25
K0900 page 324								
–	195	81	195	$B_k + 5$	$B_k + 55,15$	$B_k - 87,4$	$B_k + 23,6$	25
Slide discs	195	81	195	$B_k + 19$	$B_k + 69,15$	$B_k - 73,4$	$B_k + 37,6$	45

M series

Type	Channel type	h_1 [mm]	h_{KA} [mm]	b_1 [mm]	b_2 [mm]	b_3 [mm]	B_{KA} [mm]	T [mm]
M0650 page 378								
Glide shoes	195	61,5	195	$B_k + 5$	$B_k + 55,15$	$B_k - 87,4$	$B_k + 23,6$	45
Offroad glide shoes	195	61,5	195	$B_k + 5$	$B_k + 55,15$	$B_k - 87,4$	$B_k + 23,6$	45
M0950 page 394								
Offroad glide shoes	195	86	195	$B_k + 5$	$B_k + 55,15$	$B_k - 87,4$	$B_k + 23,6$	45
M1250 page 420								
Offroad glide shoes	274	103	274	$B_k + 6$	$B_k + 67,5$	$B_k - 97,4$	$B_k + 40,6$	45
M1300 page 446								
Glide shoes	274	127,5	274	$B_k + 6$	$B_k + 67,5$	$B_k - 97,4$	$B_k + 40,6$	45

 The cable carrier outer width without attachments B_k is taken into account for calculating the inner width of guide channel b_1 and the overall width B_{KA} .

 Our engineers will be happy to help with your project planning – please contact us.

QUANTUM® series

Type	Channel type	h ₁ [mm]	h _{KA} [mm]	b ₁ [mm]	b ₂ [mm]	b ₃ [mm]	B _{KA} [mm]	T [mm]
Q040 page 496								
–	134	40	134	B _K + 4	B _K + 47	B _K – 72	B _K + 22	25
Q060 page 502								
Glide shoes	195	66.5	195	B _K + 9	B _K + 59.15	B _K – 83.4	B _K + 27.6	45
Q080 page 512								
Glide shoes	195	86	195	B _K + 13	B _K + 63.15	B _K – 79.4	B _K + 31.6	45
Q100 page 526								
Glide shoes	274	108	274	B _K + 13	B _K + 74.5	B _K – 90.4	B _K + 47.6	45

TKA series

Type	Channel type	h ₁ [mm]	h _{KA} [mm]	b ₁ [mm]	b ₂ [mm]	b ₃ [mm]	B _{KA} [mm]	T [mm]
TKA38 page 586								
–	134	36.5	134	B _K + 4	B _K + 47	B _K – 72	B _K + 22	25
TKA45 page 592								
–	134	53	134	B _K + 5	B _K + 48	B _K – 71	B _K + 23	25
TKA55 page 600								
–	195	66.5	195	B _K + 5	B _K + 55.15	B _K – 87.4	B _K + 23.6	45

UAT series

Type	Channel type	h ₁ [mm]	h _{KA} [mm]	b ₁ [mm]	b ₂ [mm]	b ₃ [mm]	B _{KA} [mm]	T [mm]
UAT1555 page 612								
–	195	66.5	195	B _K + 5	B _K + 55.15	B _K – 87.4	B _K + 23.6	45

TKHD series

Type	Channel type	h ₁ [mm]	h _{KA} [mm]	b ₁ [mm]	b ₂ [mm]	b ₃ [mm]	B _{KA} [mm]	T [mm]
TKHD85 page 458								
Glide shoes	254	90	254	B _K + 6	B _K + 67.5	B _K – 85.4	B _K + 40.6	45
TKHD90 page 464								
Glide shoes	274	127.5	274	B _K + 6	B _K + 67.5	B _K – 97.4	B _K + 40.6	45
TKHD85-R page 470								
–	254	84.5	254	B _K + 6	B _K + 67.5	B _K – 85.4	B _K + 40.6	45
TKHD90-R page 476								
–	274	117	274	B _K + 6	B _K + 67.5	B _K – 97.4	B _K + 40.6	45



The cable carrier outer width without attachments B_K is taken into account for calculating the inner width of guide channel b₁ and the overall width B_{KA}.



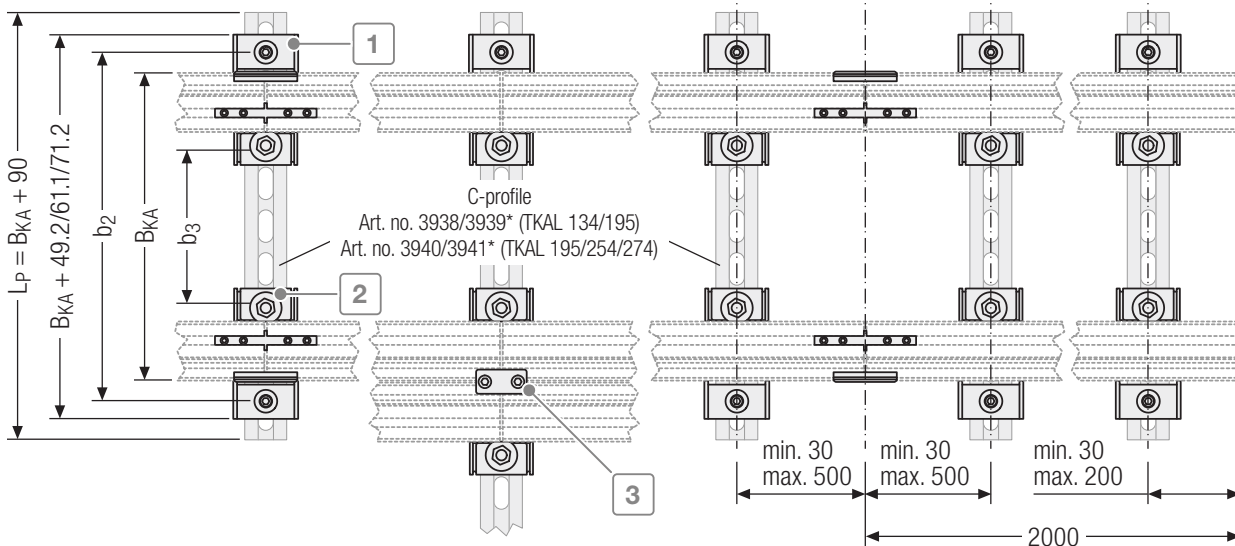
Our engineers will be happy to help with your project planning – please contact us.

Standard and heavy duty

The internal or external mounting kits made of stainless steel are mounted at the joints, ensuring precise connection of the joints in addition to fastening the channel to the substructure.

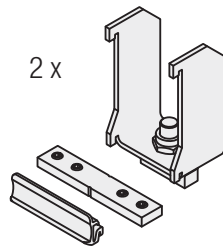
Flying joint

The internal and external mounting kits made of stainless steel are mounted with a spacing of 30-500 mm from the joints, ensuring fastening of the channel to the substructure. The mounting kit does not necessarily have to be mounted at the joints.



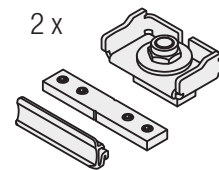
External mounting kit 1

The mounting brackets are mounted at the outside of the channel. The additional joint connectors ensure precise connection of the joints.



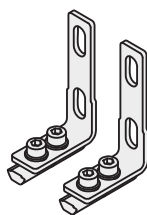
Internal mounting kit 2

The mounting brackets are mounted at the inside of the channel. The additional joint connectors ensure precise connection of the joints.



UMB mounting kit

The UMB mounting kit for fixed point ensures optimum fastening of the cable carrier in the channel and depends on the cable carrier type.



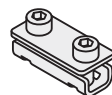
Holder set strain relief (optional)

The holders are mounted on the outside of the channel for fixed installation of cables.



Twin channel connector 3 (optional)

The twin channel connectors enable the parallel arrangement of several channels.



 All pictures of the mounting kit are exemplary.

Order example

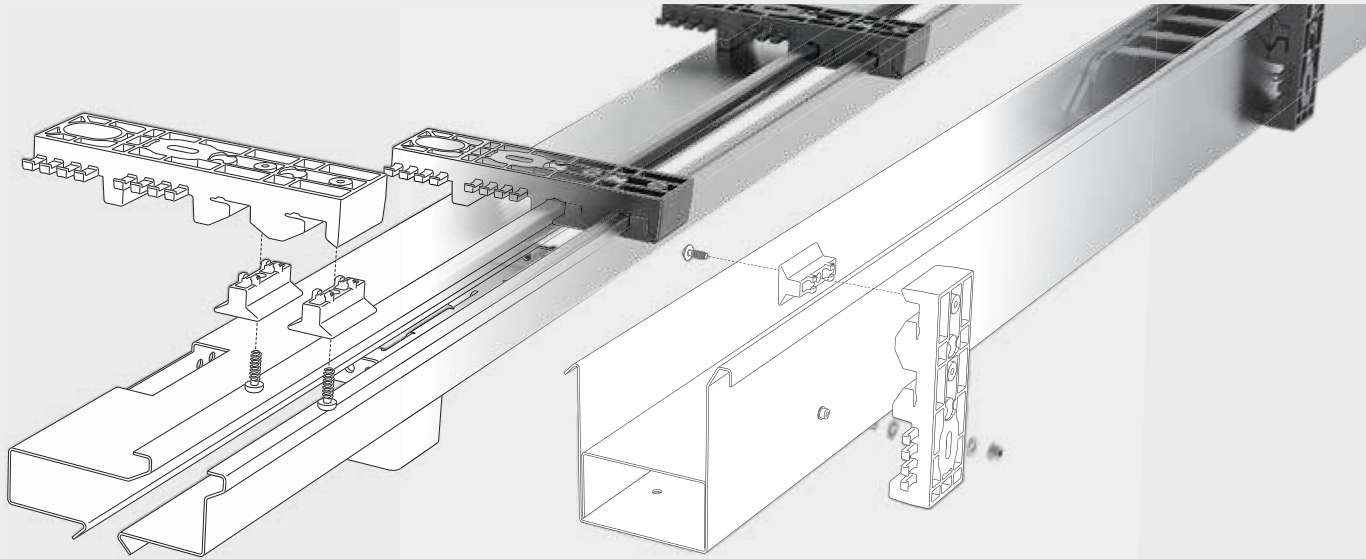
To order the Alu Guide System, please provide the following information or the used cable carrier:

- Number of guide channels
- Total length of channel
- Support length L_{KA}'
- Type of fastening (internal/external)
- Delivery (unmounted/mounted)
- Support height h_1
- Fixing with C-profile
- Inner width of guide channel b_1

* More information can be found on page 897

Guide channels for multifunctional use

- Flexible use in many areas of application.
- Made of zinc plated sheet steel or stainless steel.
- Easy and fast horizontal or vertical arrangement.
- On its side laying installation possible.



Zinc plated sheet steel or stainless steel

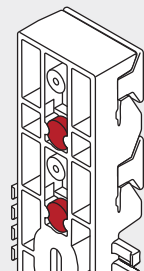


Standard lengths 2000 mm
Special lengths on request

Features

- Space-saving design
- Installation possible horizontal or laying on its side
- Easy and fast assembly by only one fitter
- Saves additional cable channels through installation of permanent cables directly on the holder (securely behind the channel)
- System remains horizontally adjustable after installation
- Mounting holes for the cable carriers and cable ducts every 850 mm
- Brackets are installed with screws or weld studs
- No complex steel structure necessary
- Suitable for all I-beams and box beams
- The same mounting brackets for different trough sizes/chain types
- Can be installed "flying"
- Closed design
 - Guiding for suspended chains
 - Allows operation of the cable carrier laying on its side
 - Mechanical protection
 - Protection against lateral acceleration
 - Protection against the cable carrier "banging" during acceleration and deceleration

With magnets as mounting aids for easy positioning of the holder and placing of the fastenings such as drilled holes or welded studs.



Our engineers will be happy to help with your project planning – please contact us.

One-sided arrangement with central feed

For single-sided arrangement of the cable carrier with central feed, the cable carrier slides behind the fixed point on a continuous slide plate.

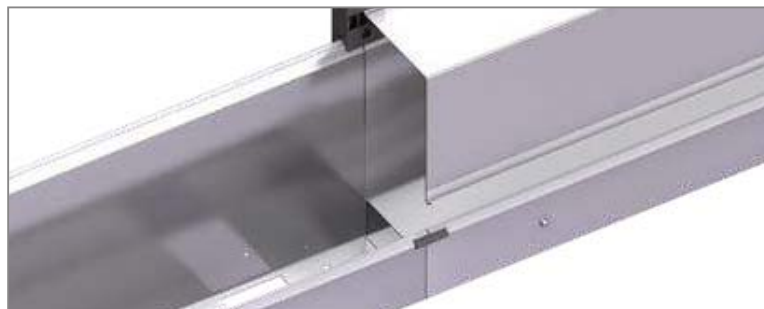
Closed design – standing without enclosure (Variant A)

One-part channel in version with open top and one-part slide plate.



Closed design – standing with enclosure (Variant B)

One-part channel in version with closed top (enclosure) and one-part slide plate.



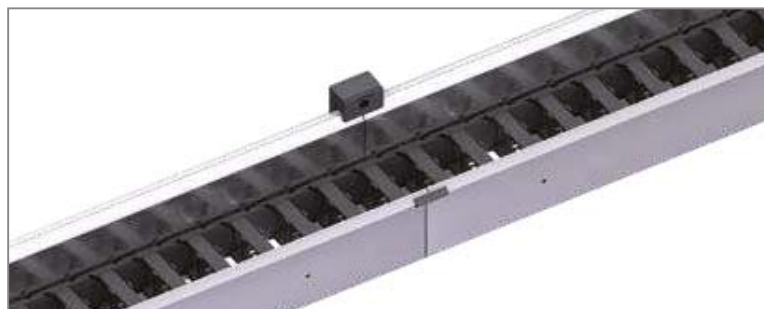
 For central feed, permanent cables can be placed directly on the holder (securely behind the channel)

One-sided arrangement with end feed

For single-sided arrangement of the cable carrier with end feed, the cable carrier slides behind the fixed point on itself.

Closed design – standing without enclosure (Variant A)

One-part channel in version with open top and one-part slide plate.



Closed design – standing with enclosure (Variant B)

One-part channel in version with closed top (enclosure) and one-part slide plate.



MT series

XLT series

ROBOTRAX® System

FLATVEYOR®

CLEANVEYOR®

LS/LSX series

S/SX series

S/SX-Tubes series

Accessories

TRAXLINE®

Opposite arrangement

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

MT
seriesXLT
seriesROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
seriesS/SX
seriesS/SX-Tubes
series

Accessories

TRAXLINE®

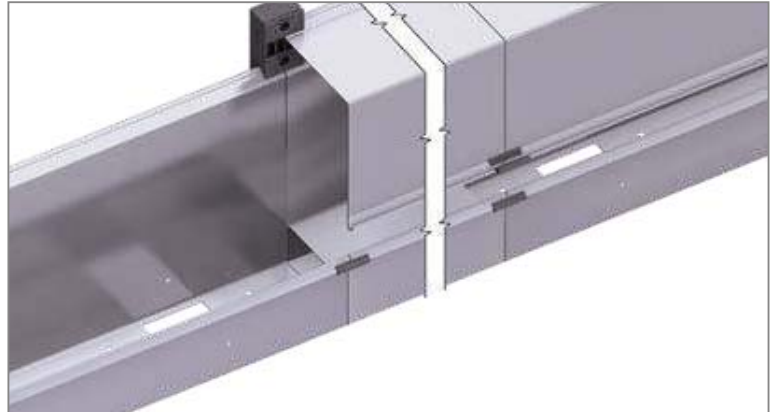
Closed design – standing without enclosure (Variant A)

One-part channel in version with open top and one-part slide plate.



Closed design – standing with enclosure (Variant B)

One-part channel in version with closed top (enclosure) and one-part slide plate.



Closed design – laying on its side with enclosure (Variant C)

One-part channel laying on its side in enclosed version (enclosure) incl. driver sledge.





Subject to change without notice.

TRAXLINE®

Accessories

S/SX-Tubes
series

S/SX
series

LS/LSX
series

CLEANVEYOR®

FLATVEYOR®

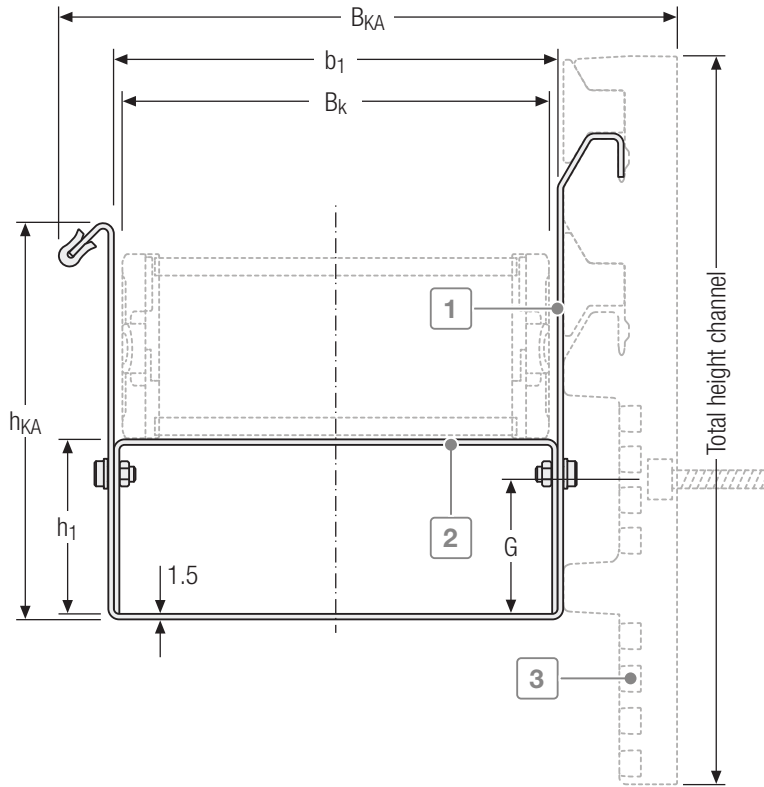
ROBOTRAX®
System

XLT
series

MT
series

879

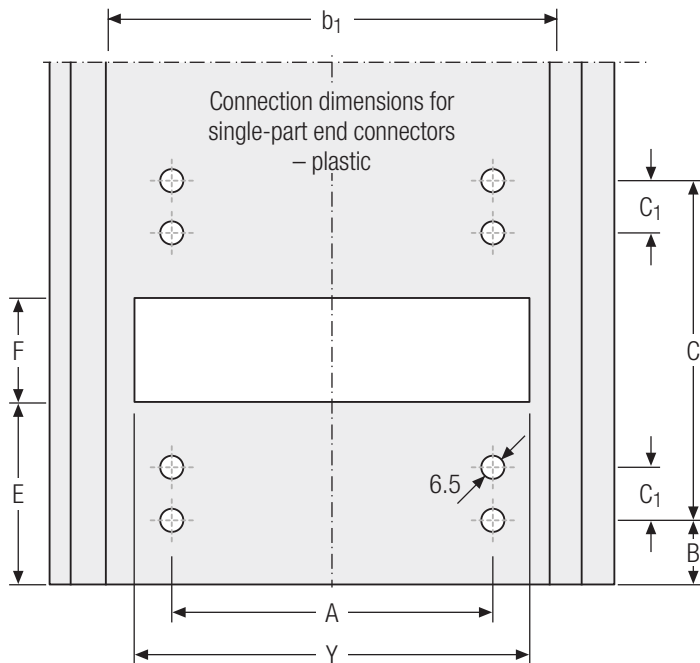
Dimensions | standing without enclosure (Variant A)



- 1 Guide channel
- 2 Stable gliding support made of zinc plated sheet steel or stainless steel
- 3 Holder

Slide support height

$$h_1 = h_G$$



QuickTrax® series

B _i [mm]	KR [mm]	h ₁ [mm]	h _{KA} [mm]	Total height channel [mm]	b ₁ [mm]	B _{KA} [mm]	A [mm]	B [mm]	C [mm]	C ₁ [mm]	E [mm]	F [mm]	G [mm]	Y [mm]
QT0320 with channel holder 202 page 138														
25	75	25.5	54	202	42	90.7	10	79	140	14	129	40	39	27
50	100				67	115.7	35							52
QT0320 with channel holder 155 page 138														
25	75	25.5	54	156.5	42	90.7	10	79	140	14	129	40	39	27
50	100				67	115.7	35							52

EasyTrax® series

B _i [mm]	KR [mm]	h ₁ [mm]	h _{KA} [mm]	Total height channel [mm]	b ₁ [mm]	B _{KA} [mm]	A [mm]	B [mm]	C [mm]	C ₁ [mm]	E [mm]	F [mm]	G [mm]	Y [mm]
ET0320 with channel holder 202 page 250														
25	75	25.5	54	202	42	90.7	10	79	140	14	129	40	39	27
50	100				67	115.7	35							52
ET0320 with channel holder 155 page 250														
25	75	25.5	54	156.5	42	90.7	10	79	140	14	129	40	39	27
50	100				67	115.7	35							52

MT series

XLT series

ROBOTRAX® System

FLATVEYOR®

CLEANVEYOR®

LS/LSX series

S/SX series

S/SX-Tubes series

Accessories

TRAXLINE®

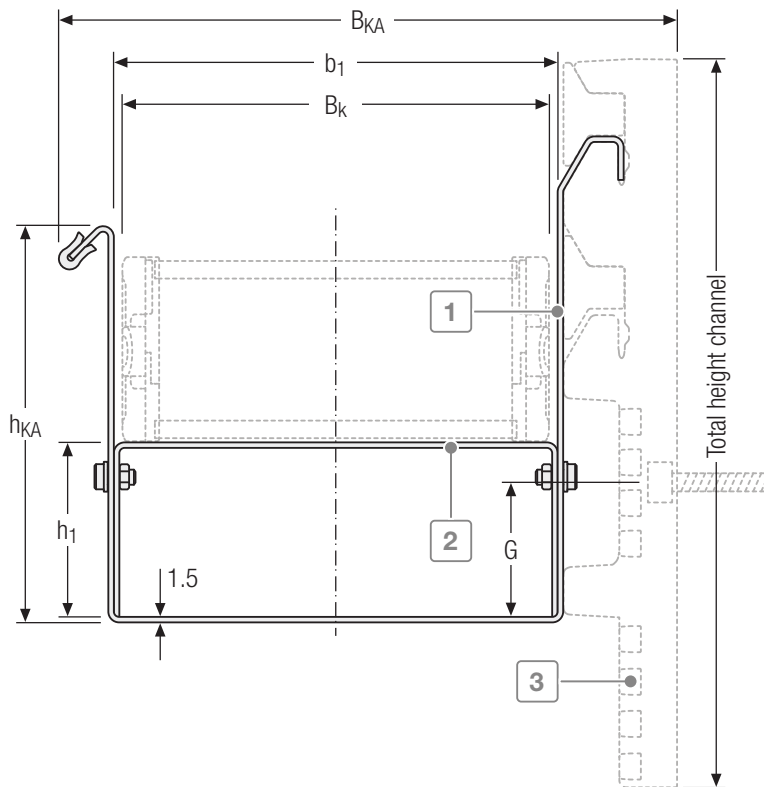


The cable carrier outer width without attachments B_k is taken into account for calculating the inner width of guide channel b₁ and the overall width B_{KA}.



Information on the fixing options for the Easy Guide Systems can be found on page 895

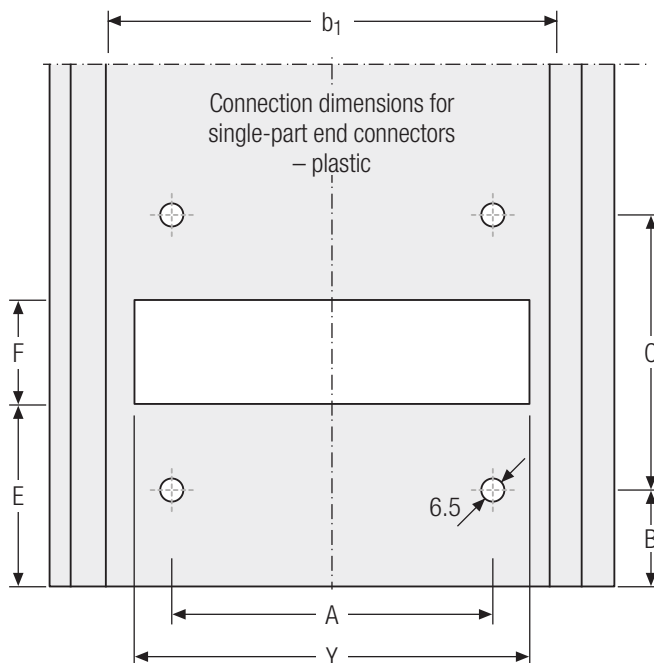
Dimensions | standing without enclosure (Variant A)



- 1 Guide channel
- 2 Stable gliding support made of zinc plated sheet steel or stainless steel
- 3 Holder

Slide support height

$$h_1 = h_G$$




UNIFLEX *Advanced* series

B _i [mm]	KR [mm]	h ₁ [mm]	h _{KA} [mm]	Total height channel [mm]	b ₁ [mm]	B _{KA} [mm]	A [mm]	B [mm]	C [mm]	E [mm]	F [mm]	G [mm]	Y [mm]
UA1455 with channel holder 202 page 162													
58					79	127.7	43.5						64
78	125	36	100	202	99	147.7	63.5	73	152	123	52	39	84
103					124	172.7	88.5						109
UA1455 with channel holder 155 page 162													
58					79	127.7	43.5						64
78	125	36	100	156.5	99	147.7	63.5	73	152	123	52	39	84
103					124	172.7	88.5						109
UA1555 with channel holder 202 S page eite 172													
50					73	121.7	30						58
75	125	50	115	202	98	146.7	55	61	176	111	76	39	83
100					123	171.7	80						108
UA1555 with channel holder 155 page 172													
50					73	121.7	30						58
75	125	50	115	156.5	98	146.7	55	61	176	111	76	39	83
100					123	171.7	80						108

 Standard version of the cable carrier in the Easy Guide System without glide shoes.

Subject to change without notice.

 The cable carrier outer width without attachments B_k is taken into account for calculating the inner width of guide channel b₁ and the overall width B_{KA}.

 Our engineers will be happy to help with your project planning – please contact us.

 Information on the fixing options for the Easy Guide Systems can be found on page 895

MT
series

XLT
series

ROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
series

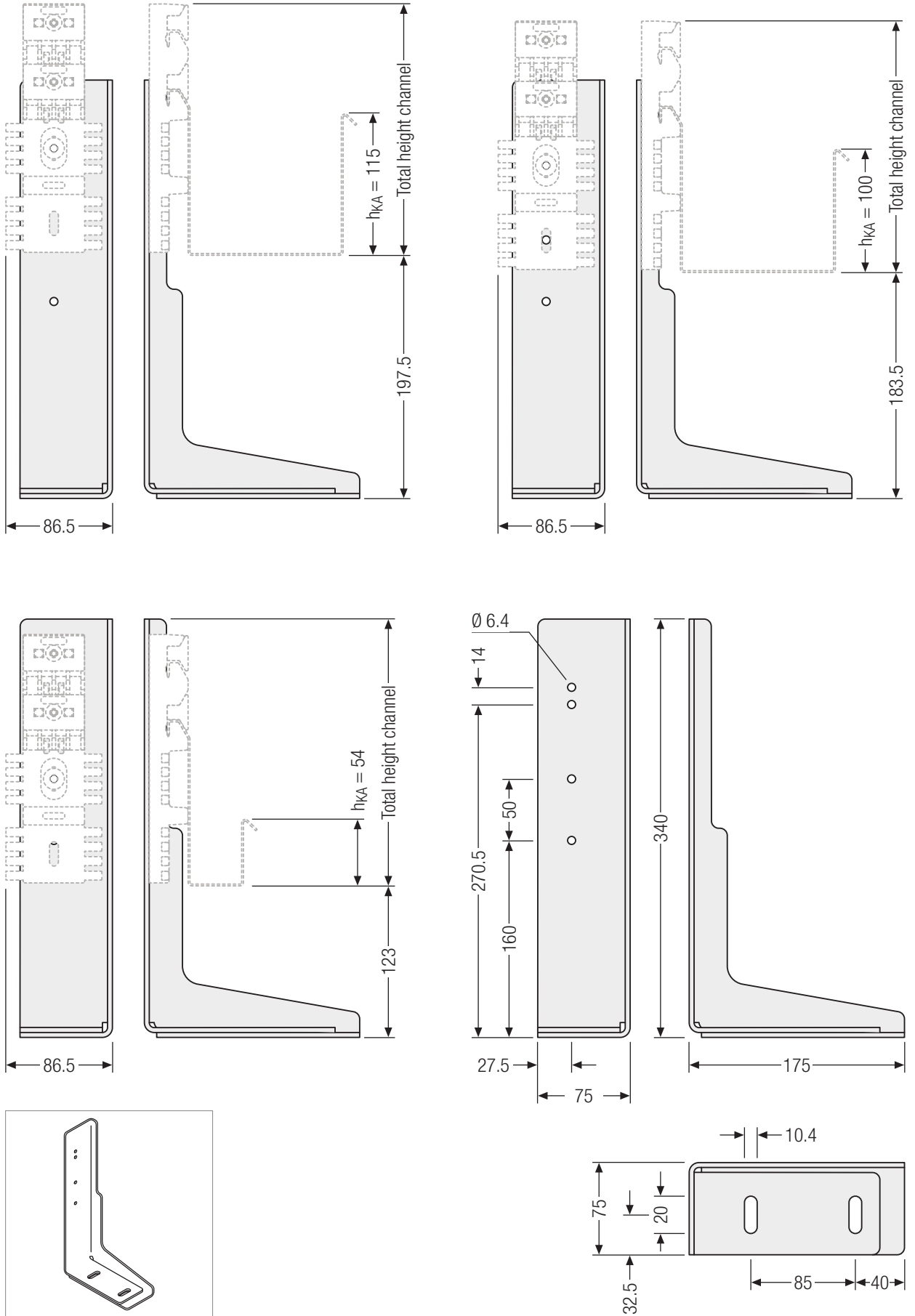
S/SX
series

S/SX-Tubes
series

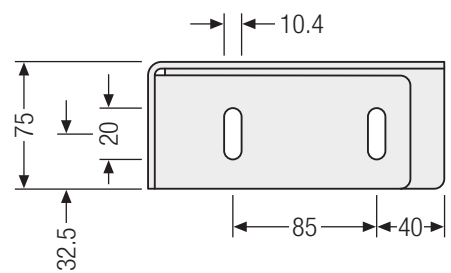
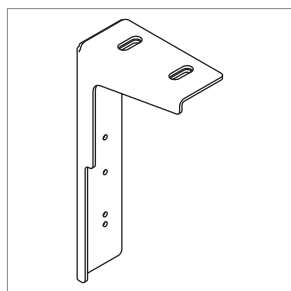
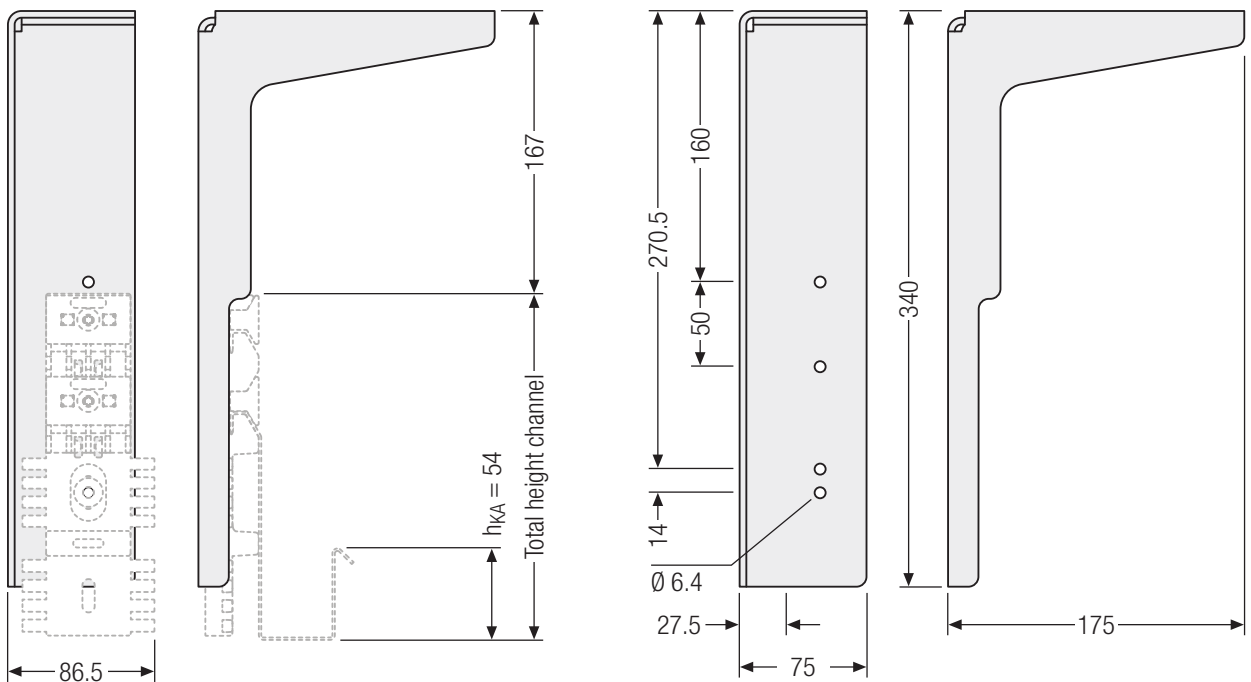
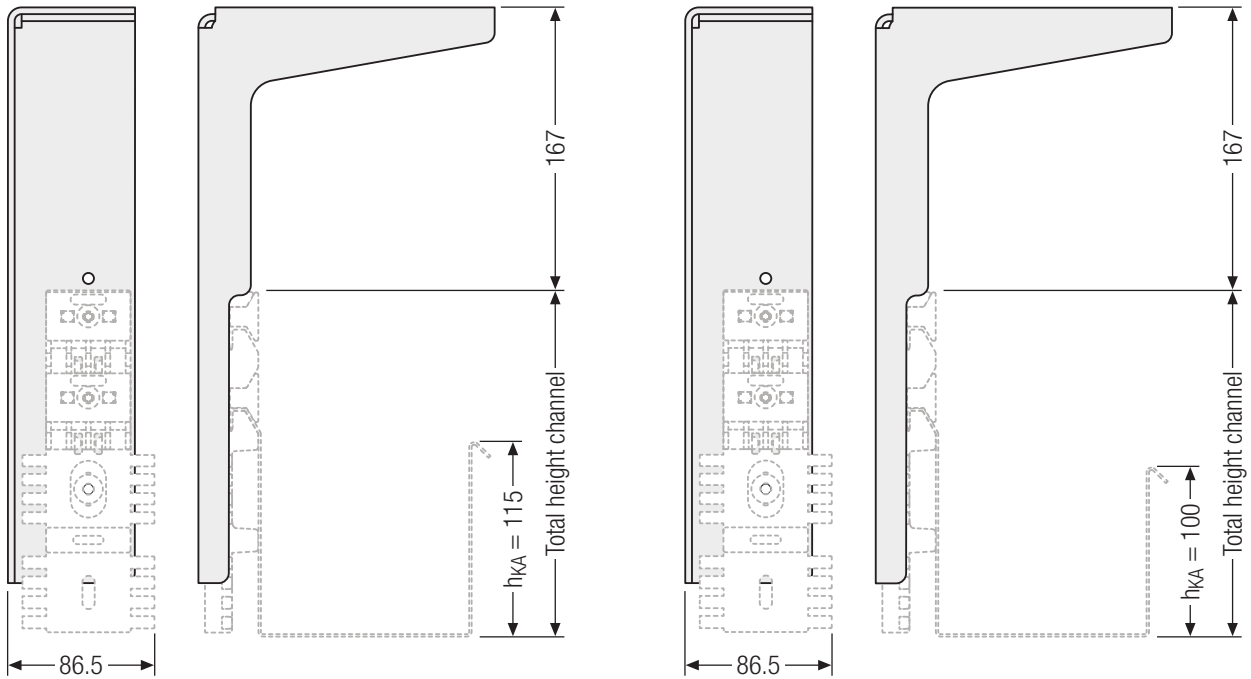
Accessories

TRAXLINE®

Dimensions | Ground holder (Variant A)



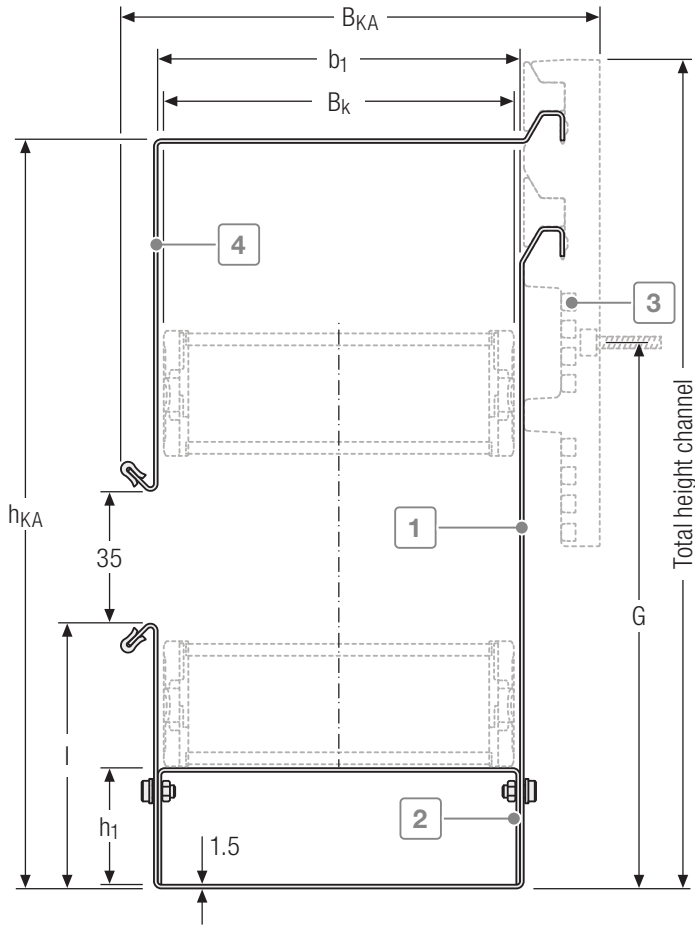
Dimensions | Ceiling holder (Variant A)



Subject to change without notice.

TRAXLINE®	Accessories	S/SX-Tubes series	S/SX series	LS/LSX series	CLEANVEYOR®	FLATVEYOR®	ROBOTRAX® System	XLT series	MT series
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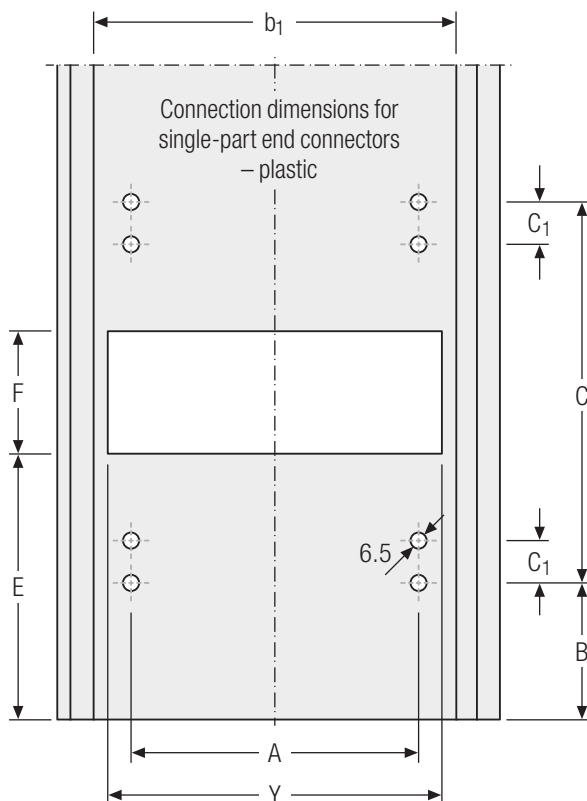
Dimensions | standing with enclosure (Variant B)



- 1 Guide channel
- 2 Stable gliding support made of zinc plated sheet steel or stainless steel
- 3 Holder
- 4 Enclosure

Slide support height

$$h_1 = h_G$$



QuickTrax® series

B _i [mm]	KR [mm]	h ₁ [mm]	h _{KA} [mm]	Total height channel [mm]	b ₁ [mm]	B _{KA} [mm]	A [mm]	B [mm]	C [mm]	C ₁ [mm]	E [mm]	F [mm]	G [mm]	I [mm]	Y [mm]
QT0320 with channel holder 202 page 138															
25	100	25.5	236.5	269.5	42	90.7	10	79	140	14	129	40	152	54	27
50					67	115.7	35								52
QT0320 with channel holder 155 page 138															
25	100	25.5	236.5	269.5	42	90.7	10	79	140	14	129	40	152	54	27
50					67	115.7	35								52

EasyTrax® series

B _i [mm]	KR [mm]	h ₁ [mm]	h _{KA} [mm]	Total height channel [mm]	b ₁ [mm]	B _{KA} [mm]	A [mm]	B [mm]	C [mm]	C ₁ [mm]	E [mm]	F [mm]	G [mm]	I [mm]	Y [mm]
ET0320 with channel holder 202 page 250															
25	100	25.5	236.5	269.5	42	90.7	10	79	140	14	129	40	152	54	27
50					67	115.7	35								52
ET0320 with channel holder 155 page 250															
25	100	25.5	236.5	269.5	42	90.7	10	79	140	14	129	40	152	54	27
50					67	115.7	35								52

MT series

XLT series

ROBOTRAX® System

FLATVEYOR®

CLEANVEYOR®

LS/LSX series

S/SX series

S/SX-Tubes series

Accessories

TRAXLINE®

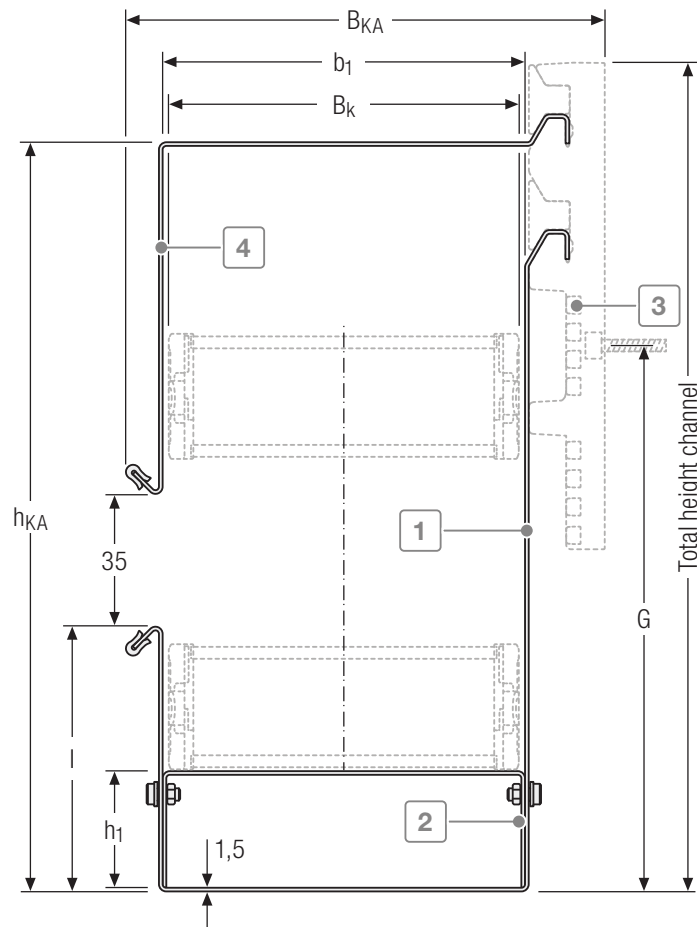


The cable carrier outer width without attachments B_k is taken into account for calculating the inner width of guide channel b₁ and the overall width B_{KA}.



Information on the fixing options for the Easy Guide Systems can be found on page 895

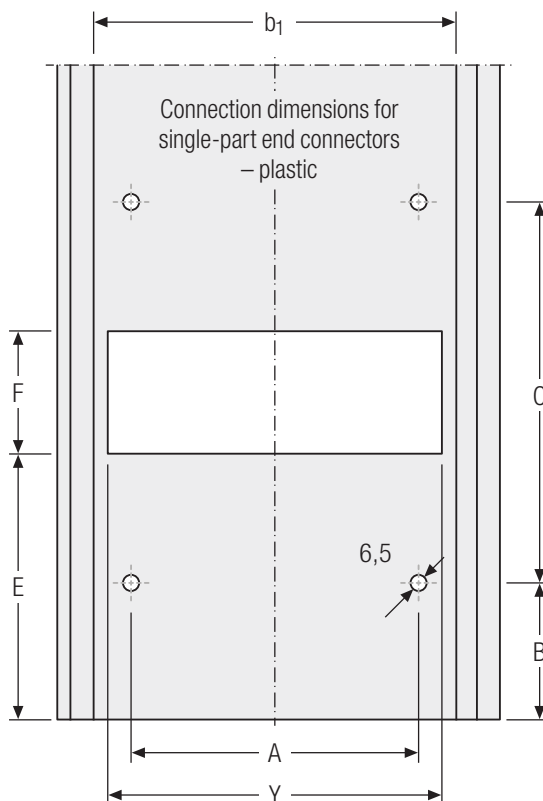
Dimensions | standing with enclosure (Variant B)



- 1 Guide channel
- 2 Stable gliding support made of zinc plated sheet steel or stainless steel
- 3 Holder
- 4 Enclosure

Slide support height

$$h_1 = h_G$$



UNIFLEX *Advanced* series

B _i [mm]	KR [mm]	h ₁ [mm]	h _{KA} [mm]	Total height channel [mm]	b ₁ [mm]	B _{KA} [mm]	A [mm]	B [mm]	C [mm]	E [mm]	F [mm]	G [mm]	I [mm]	Y [mm]
UA1455 with channel holder 202 page 162														
58					79	127.7	43.5							64
78	125	36	297	330	99	147.7	63.5	73	152	123	52	212.5	100	84
103					124	172.7	88.5							109
UA1455 with channel holder 155 page 162														
58					79	127.7	43.5							64
78	125	36	297	330	99	147.7	63.5	73	152	123	52	212.5	100	84
103					124	172.7	88.5							109
UA1555 with channel holder 202 page 172														
50					73	121.7	30							58
75	125	50	311	344	98	146.7	55	61	176	121	76	226.5	111	83
100					123	171.7	80							108
UA1555 with channel holder 155 page 172														
50					73	121.7	30							58
75	125	50	311	344	98	146.7	55	61	176	121	76	226.5	111	83
100					123	171.7	80							108



Standard version of the cable carrier in the Easy Guide System without glide shoes.

Subject to change without notice.



The cable carrier outer width without attachments B_k is taken into account for calculating the inner width of guide channel b₁ and the overall width B_{KA}.



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Information on the fixing options for the Easy Guide Systems can be found on page 895

MT
series

XLT
series

ROBOTRAX®
System

FLATVEYOR®

CLEANVEYOR®

LS/LSX
series

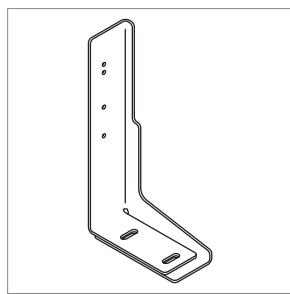
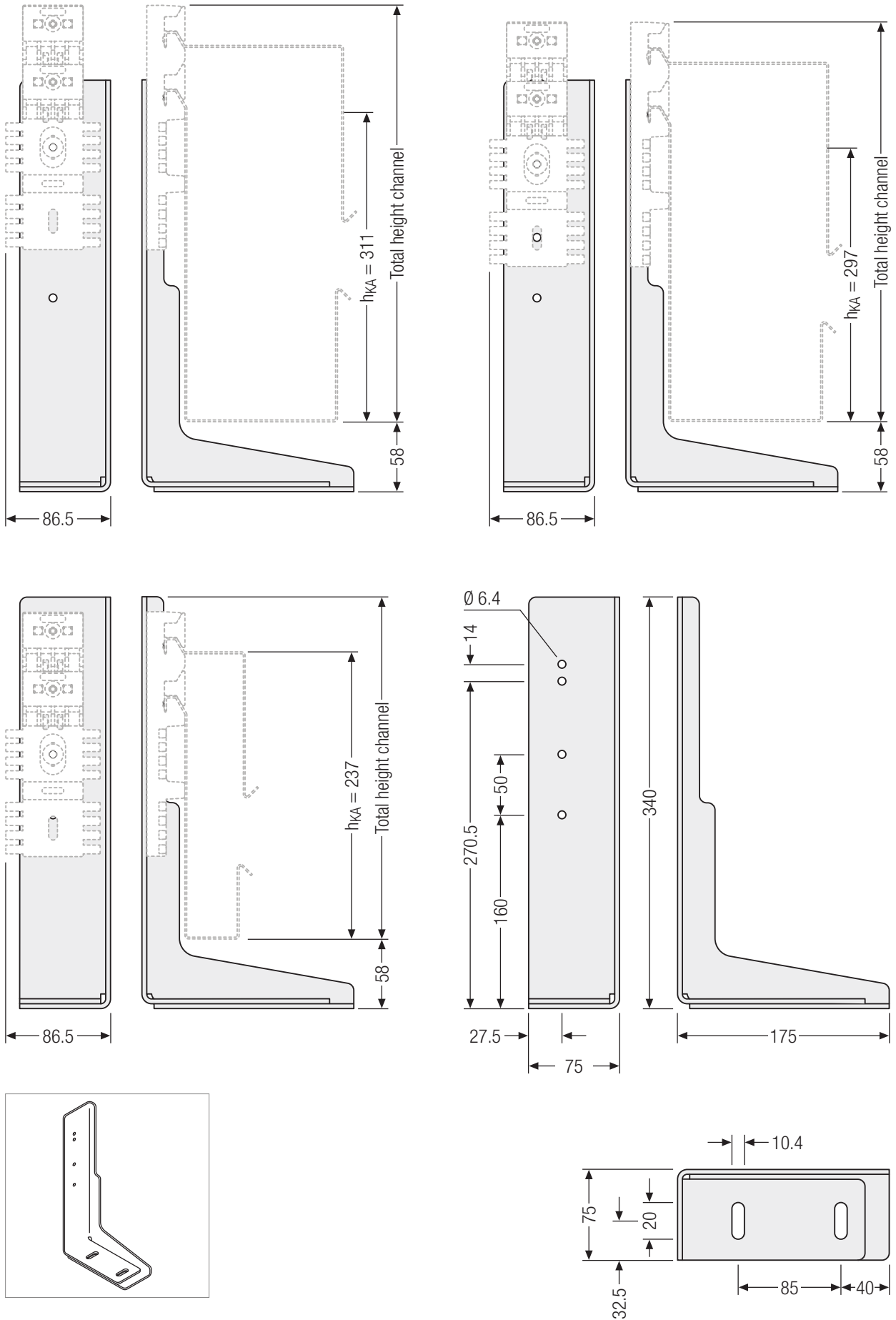
S/SX
series

S/SX-Tubes
series

Accessories

TRAXLINE®

Dimensions | Ground holder (Variant B)



Accessories

TRAXLINE®

S/SX-Tubes series

S/SX series

LS/LSX series

CLEANVEYOR®

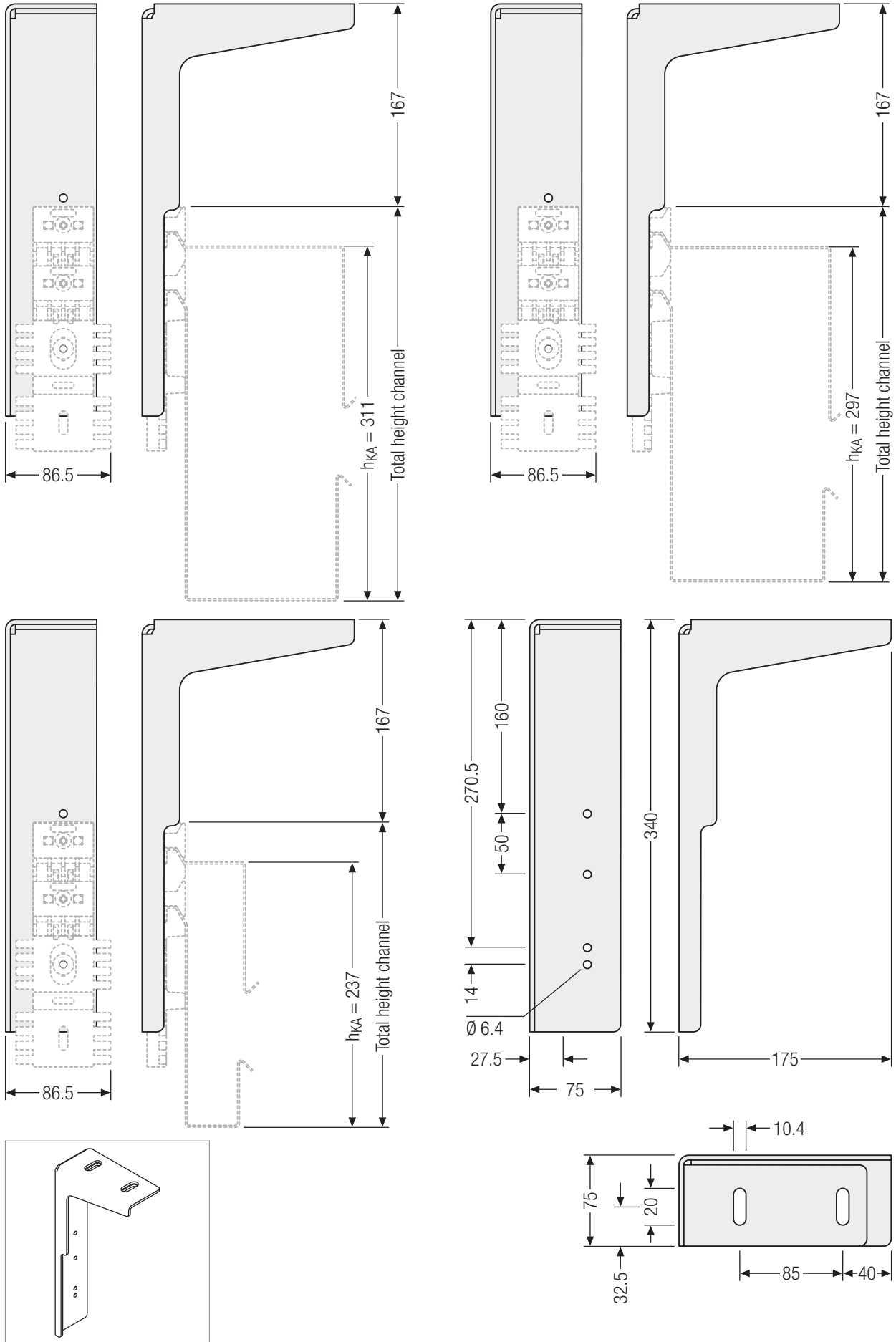
FLATVEYOR®

ROBOTRAX® System

XLT series

MT series

Dimensions | Ceiling holder (Variant B)



Subject to change without notice.

MT series

XLT series

ROBOTRAX® System

FLATVEYOR®

CLEANVEYOR®

LS/LSX series

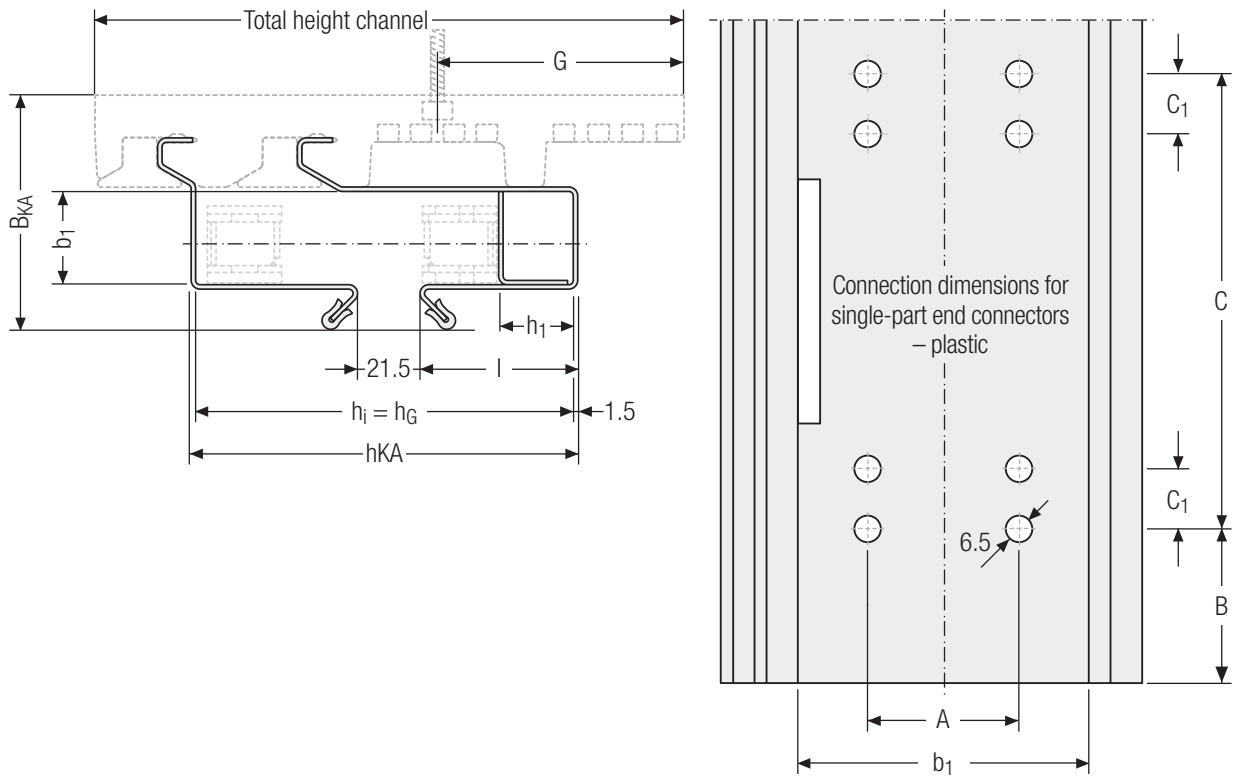
S/SX series

S/SX-Tubes series

Accessories

TRAXLINE®

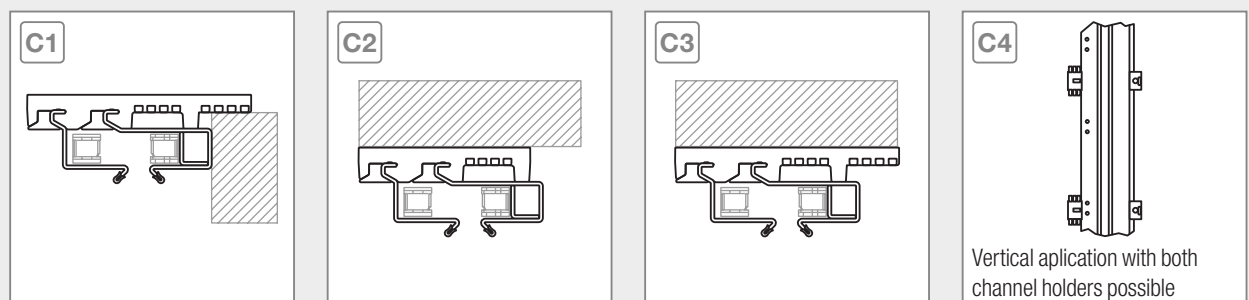
Dimensions | laying on its side (Variant C)



QuickTrax® series | UNIFLEX Advanced series


B_i [mm]	KR [mm]	h_{KA} [mm]	Total height channel [mm]	b_1 [mm]	B_{KA} [mm]	A [mm]	B [mm]	C [mm]	C_1 [mm]	G [mm]	I [mm]
QT0320 UA1320 with channel holder 202 page 138 + 156											
15				32	80.7	–					
25	48	132.5	202	42	90.7	10	85	128	14	48	54
50				67	115.7	35.5					
QT0320 UA1320 with channel holder 155 page 138 + 156											
15				32	80.7	–					
25	48	132.5	165.5	42	90.7	10	85	128	14	48	54
50				67	115.7	35.5					

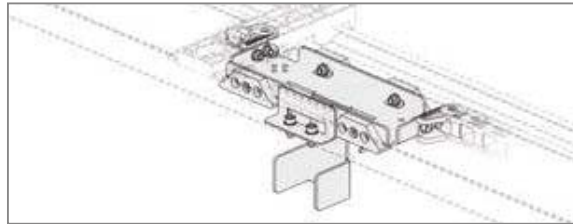
Mounting options



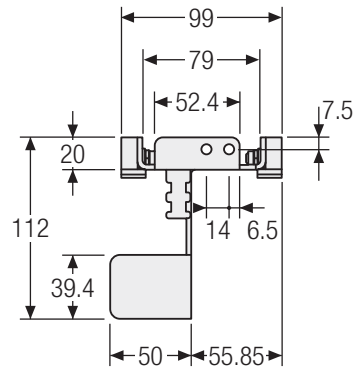
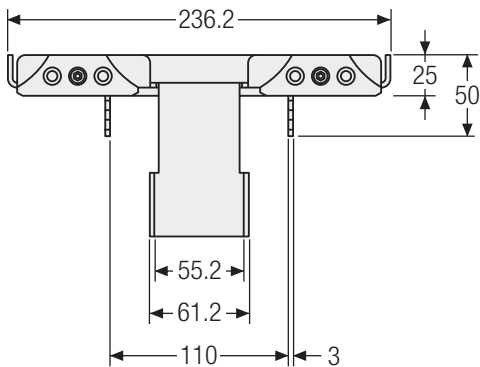
Information on the fixing options for the Easy Guide Systems can be found on page 895

Dimensions | laying on its side (Variant C) | Driver sledge

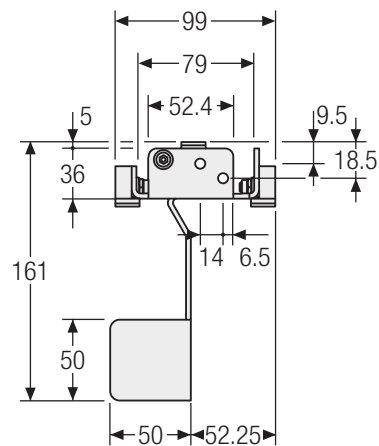
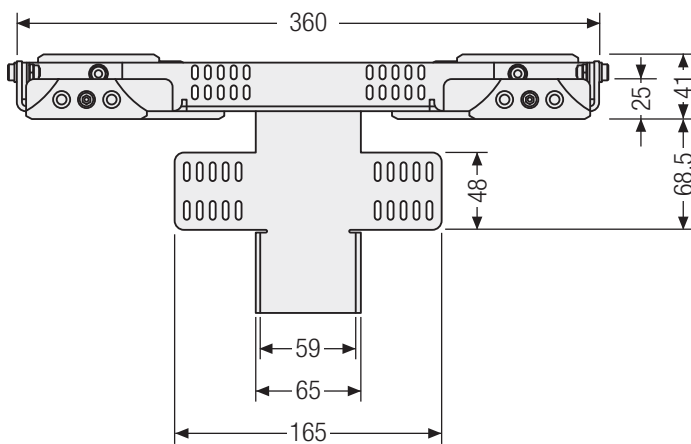
 For the version of the Easy Guide System laying on its side, the correct carrier sledge has to be used for each cable carrier width.



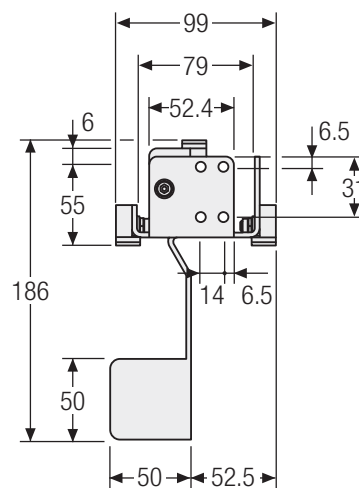
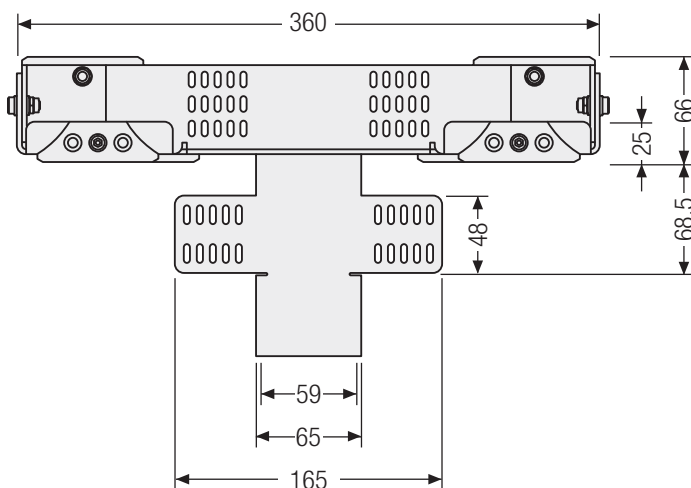
Driver sledge 79-112 for B_i 15



Driver sledge 156-360 for B_i 25



Driver sledge 175-360 for B_i 50



Subject to change without notice.

MT series

XLT series

ROBOTRAX® System

FLATVEYOR®

CLEANVEYOR®

LS/LSX series

S/SX series

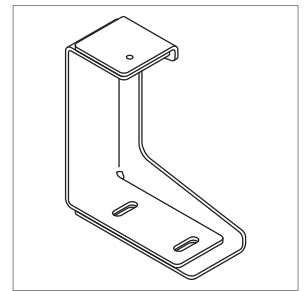
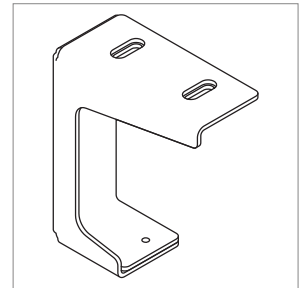
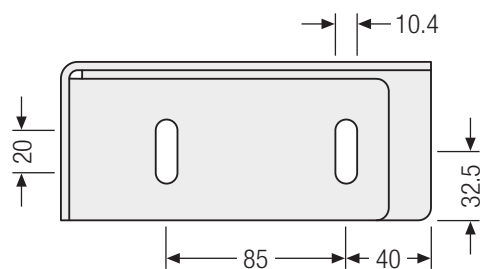
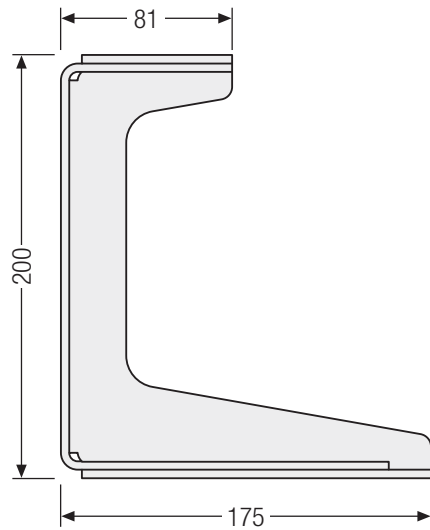
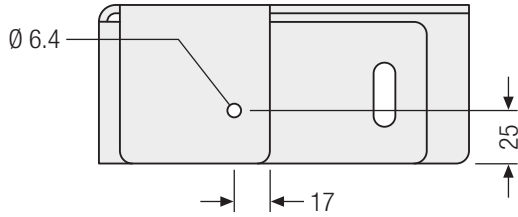
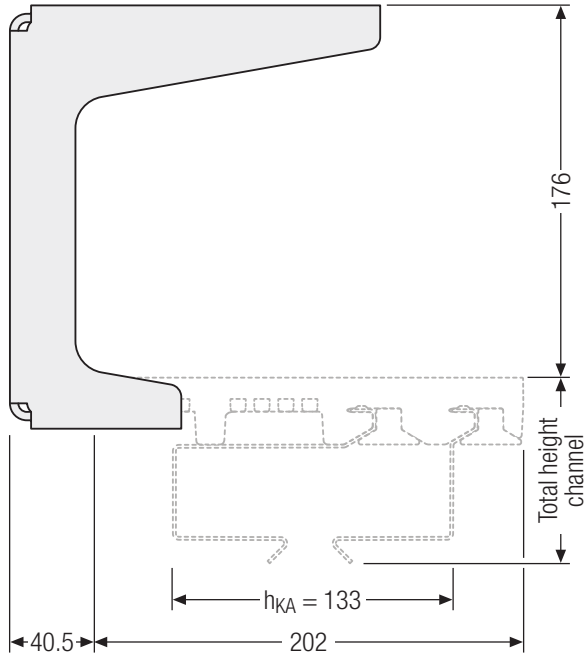
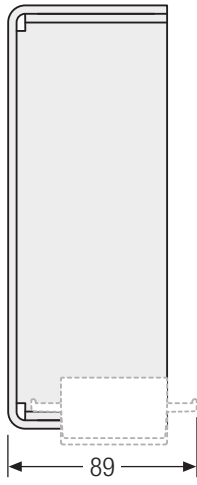
S/SX-Tubes series

Accessories

TRAXLINE®

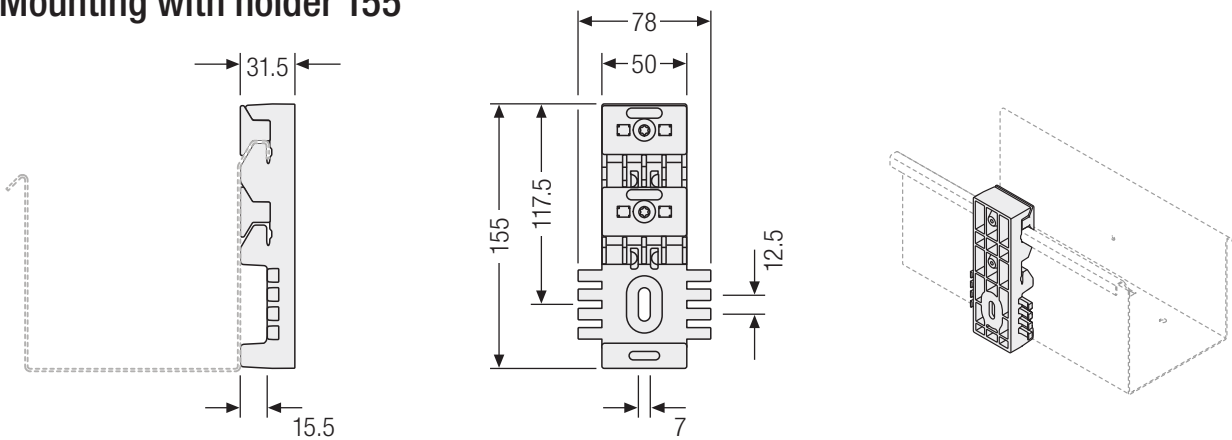
Abmessungen | Ground holder (Variant C)

TRAXLINE®	Accessories	S/SX-Tubes series	S/SX series	LS/LSX series	CLEANVEYOR®	FLATVEYOR®	ROBOTRAX® System	XLT series	MT series
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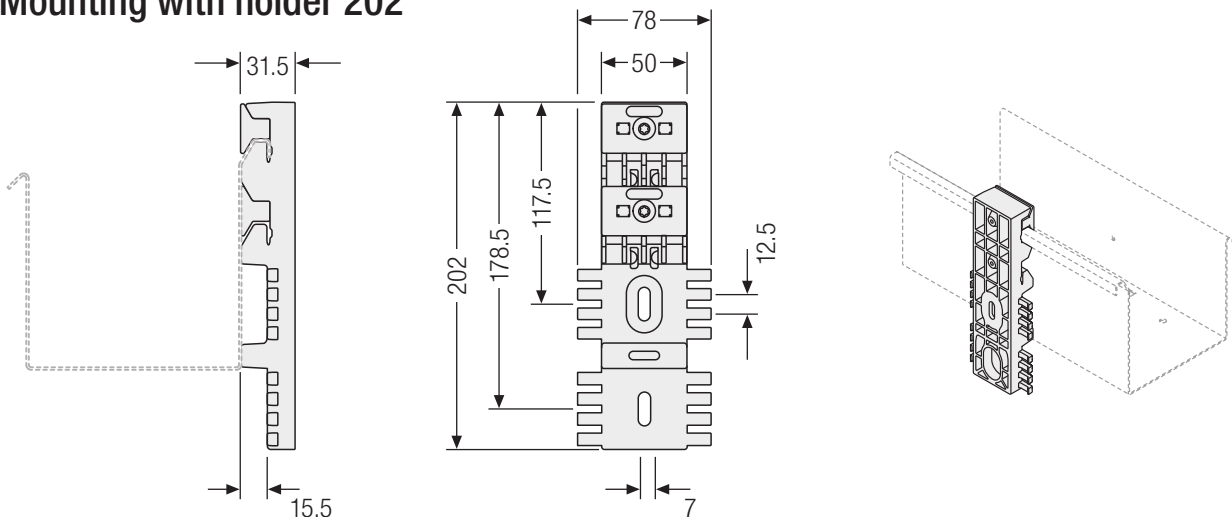


For variant C (laying on its side), the holders have to be mounted on the joins. For variant A and B, the holders can be installed in any position.

Mounting with holder 155



Mounting with holder 202

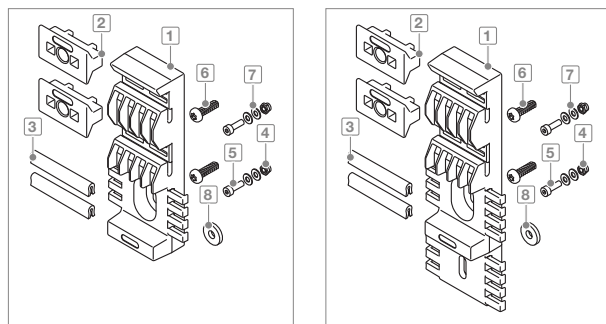


Mounting kit

Set for fixing the holders on the channel.

Installation kit

- | | |
|------------------|-----------------|
| 1 Holder | 5 Screw M4 x 12 |
| 2 Holder clamp | 6 Screw |
| 3 Join connector | 7 Washer |
| 4 Nut | 8 Washer |



Order example

To order the Easy Guide System, please provide the following information and the used cable carrier:

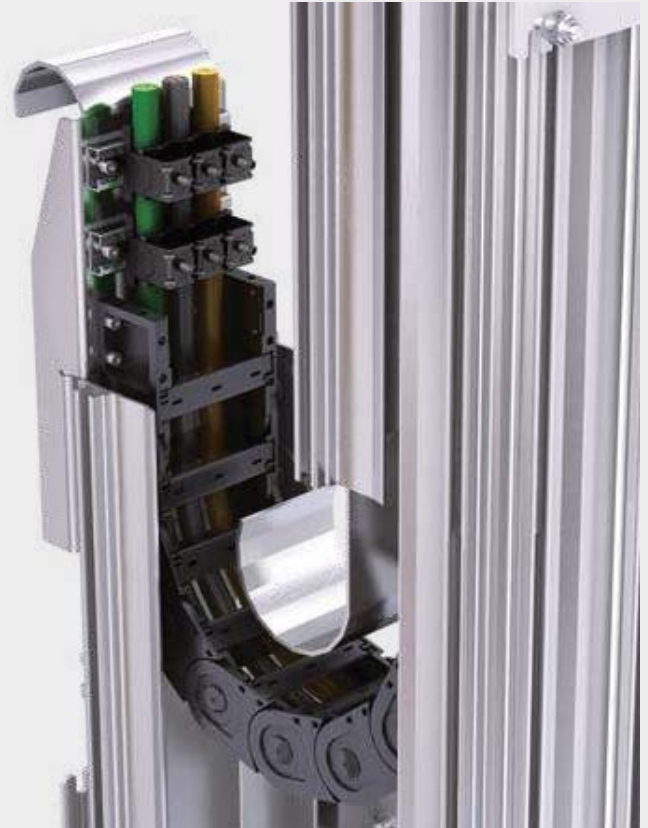
- Variant of channel (A, B or C)
- Number of guide channels
- Total length of channel
- Support length L_{KA} '
- Variant of holder (H155/H202)
- Type of fastening (Wall/ceiling/floor)

Guide channels for vertical hanging applications

- Ready-to-install channel system made of aluminum.
- Standardized module.
- Easy installation.
- For elevators, storage and retrieval systems and many other applications.

Aluminum channel system for UNIFLEX *Advanced*

The ready-to-install channel system for vertical hanging applications from TSUBAKI KABELSCHLEPP is ideal for use in fast moving storage and retrieval systems with high lateral accelerations. Other typical fields of application are lifters, elevators, construction elevators, crane elevators or lifts. As a ready-to-connect complete system including driver, cables and strain reliefs, it is very easy to install. Standard parts result in short delivery times and a cost efficient solution. This allows energy and data to be transferred within one system reliably and without interruptions.

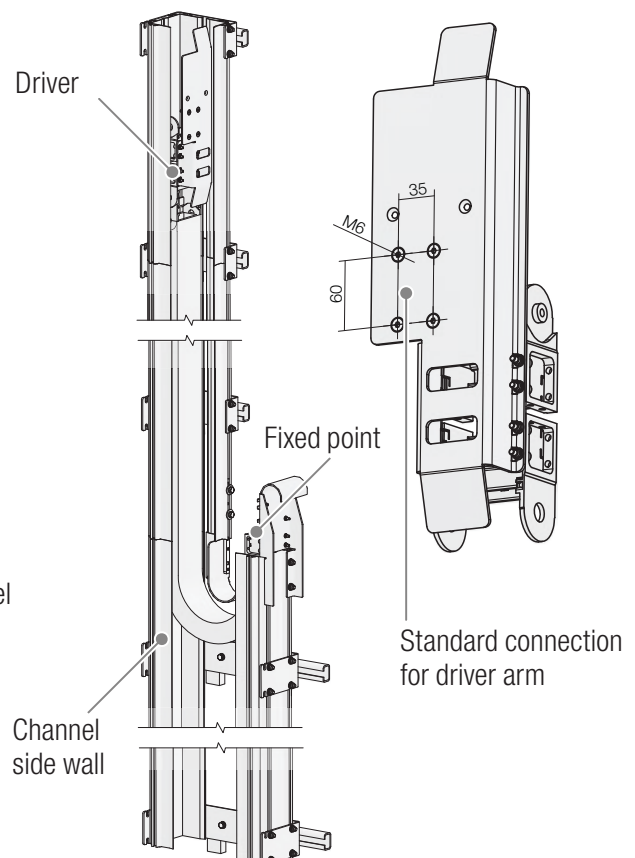


Features

- Standardized for UNIFLEX *Advanced* 1555
- Available from 75 mm inner width and 125 mm bending radius
- Other series and types on request
- Suitable for extremely long travel lengths
- Fixed point offset possible
- Fixed point connection alternatively left or right
- Cable outlet on the driver alternatively towards the front or rear
- Standard lengths of the aluminum profile. Custom lengths also possible on request
- Mounting distance of the channel brackets flexibly adaptable
- Optional C-rails for assembly
- Attachment parts in galvanized steel or stainless steel



Our engineers will be happy to help with project planning – please contact us

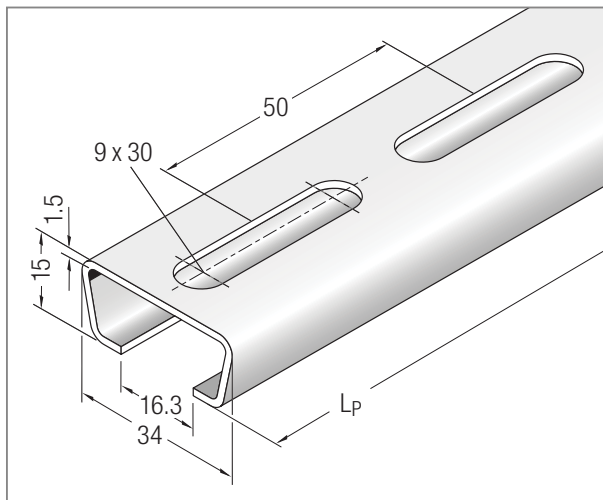


Assembly profiles for guide channels | Overview

- Assembly profiles with sloping sides can be used for all guide channels for fastening
- Lengths in 50 mm grid possible



C-profile, perforated, 34 x 15 mm



(slot width 16 – 17 mm)

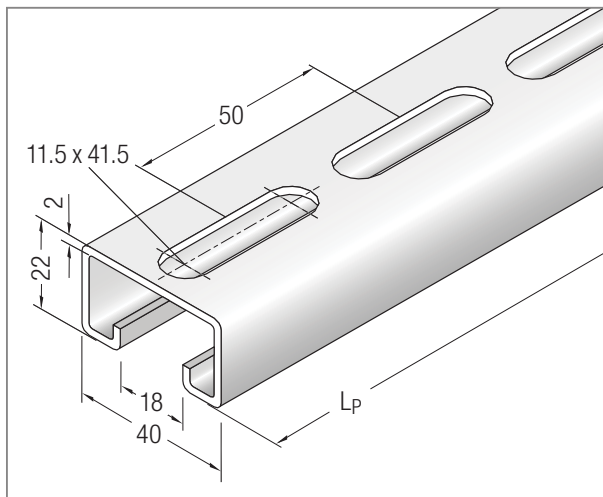
Material **Article no.**

Steel 3938

Stainless steel (ER 1S) 3939

Attach profile with cheese-head screws M8 – DIN 6912

C-profile, perforated, 40 x 22 mm



(slot width 18 mm)

Material **Article no.**

Steel 3940

Stainless steel (ER 1S) 3941

Attach profile with cheese-head screws M8 – DIN 6912

MT series

XLT series

ROBOTRAX® System

FLATVEYOR®

CLEANVEYOR®

LS/LSX series

S/SX series

S/SX-Tubes series

Accessories

TRAXLINE®