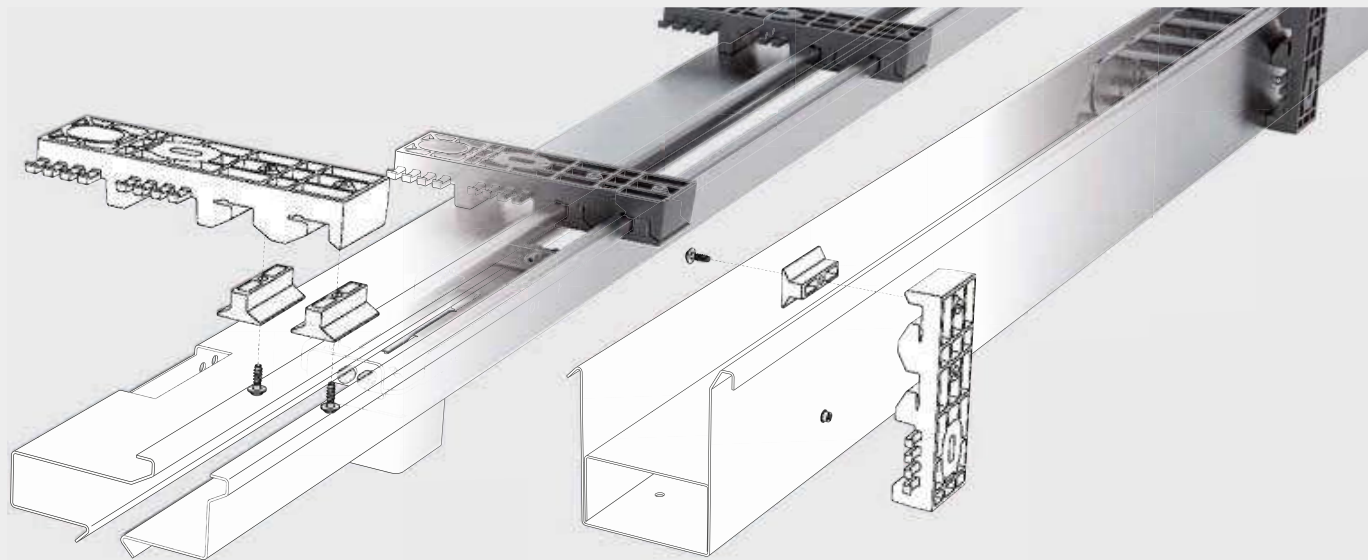


Guide channels for multifunctional use

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

kabelschlepp.de/
channel

Configure your cable carrier:
onlineengineer.de



Zinc plated sheet steel



Standard lengths 2000 mm
Other lengths on request

Technical support:
technik@kabelschlepp.de

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"
- With enclosure if required
 - 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



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



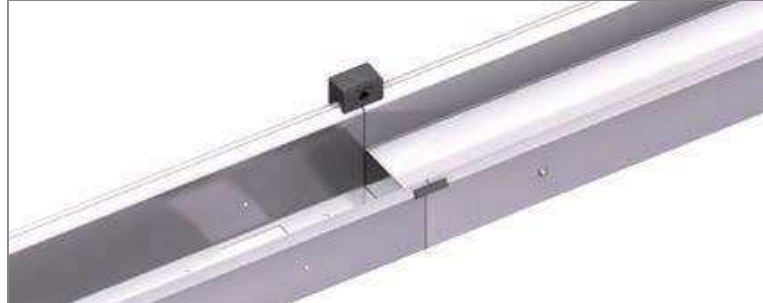
Information on dimensions can be found from p. 42

Single-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.

Enclosed version – standing without enclosure (Variant A)

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



Enclosed version – 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)

Key for abbreviations
on page 52

Single-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.

Enclosed version – standing without enclosure (Variant A)

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



Enclosed version – standing with enclosure (Variant B)

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



Assembly instructions on
kabelschlepp.de/assembly

Bestellschlüssel
auf Seite 49

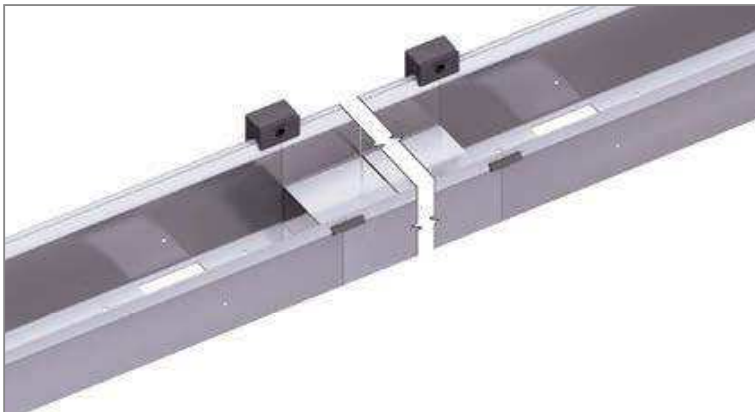
Opposite arrangement

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

kabelschlepp.de/
channel

Enclosed version – standing without enclosure (Variant A)

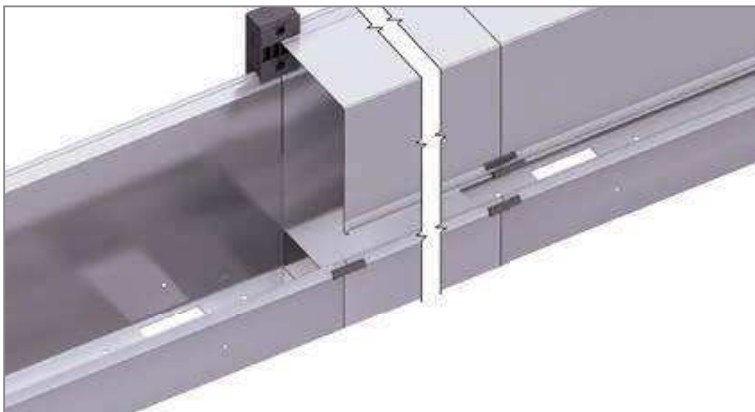
One-part channel in version with open top and one-part slide plate.



Configure your cable carrier:
onlineengineer.de

Enclosed version – standing with enclosure (Variant B)

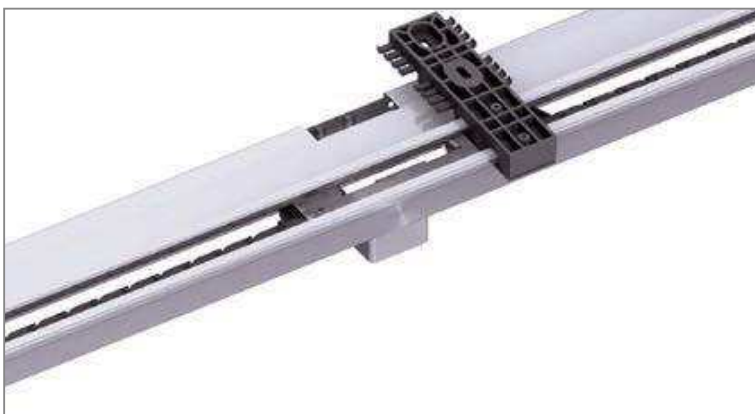
One-part channel in version with closed top (enclosure) and one-part slide plate.



Technical support:
technik@kabelschlepp.de

Enclosed version – laying on its side with enclosure (Variant C)

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





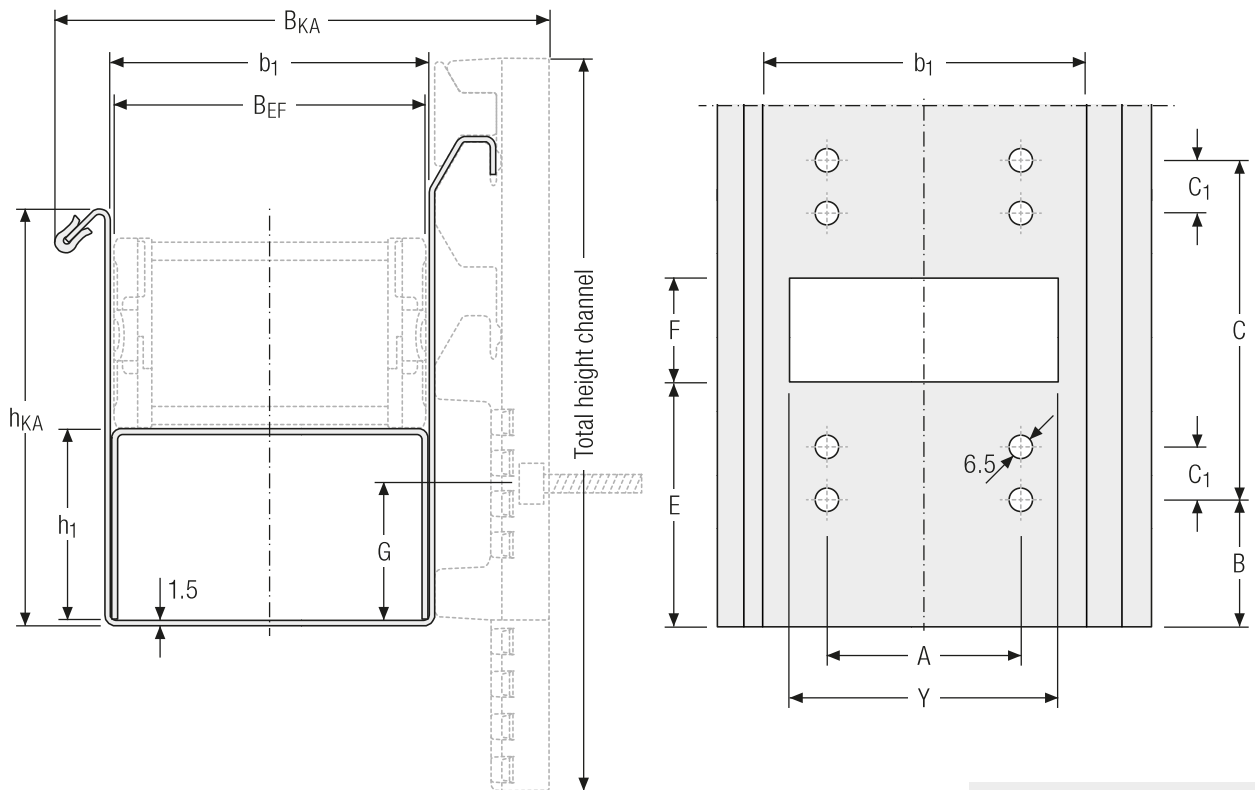
Order key
on page 30

Assembly instructions on
kabelschlepp.de/assembly

Key for abbreviations
on page 52

Support
trays & guide
channels

Dimensions | standing without enclosure (Variant A)



Support height

$$h_1 = h_G$$

QuickTrax series

The cable carrier width B_K is taken into account for calculating the clear width b_1 and the overall width B_{KA} .

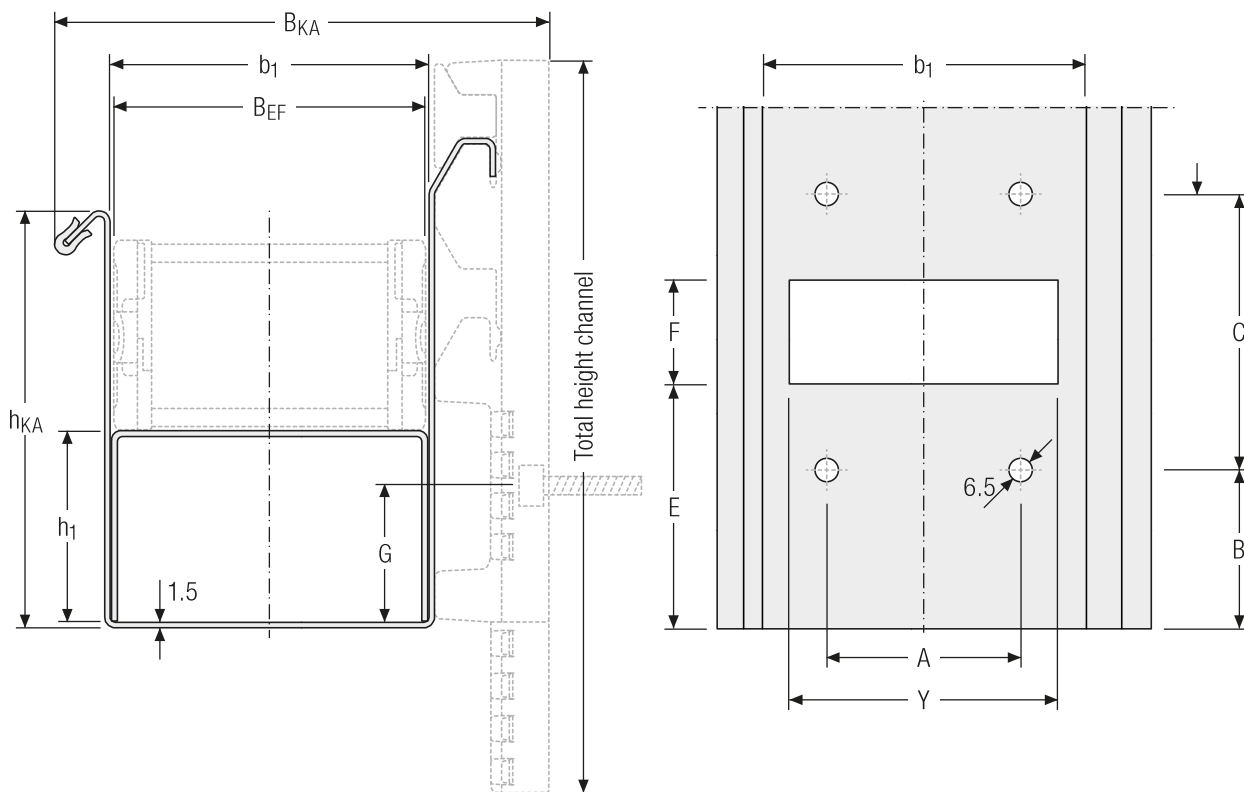
B_i [mm]	KR [mm]	h_1 [mm]	h_{KA} [mm]	Total height channel [mm]	b_1 [mm]	B_{KA} [mm]	A [mm]	B [mm]	C [mm]	C_1 [mm]	E [mm]	F [mm]	G [mm]	Y [mm]
QT0320 with channel holder 202														
25	100	25.5	54	156.5	42	90.3	10	79	140	14	129	40	39	27
50					67	115.3	35							52
QT0320 with channel holder 155														
25	100	25.5	54	202	42	90.3	10	79	140	14	129	40	39	27
50					67	115.3	35							52

UNIFLEX Advanced series

The cable carrier width B_K is taken into account for calculating the clear width b_1 and the overall width B_{KA} .

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]
UA1320 with channel holder 202														
25	100	25.5	54	156.5	42	90.3	10	79	140	14	129	40	39	27
50					67	115.3	35							52
UA1320 with channel holder 155														
25	100	25.5	54	202	42	90.3	10	79	140	14	129	40	39	27
50					67	115.3	35							52

Dimensions | standing without enclosure (Variant A)



UNIFLEX Advanced series

The cable carrier width B_K is taken into account for calculating the clear width b_1 and the overall width B_{KA} .

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													
58					79	90.3	43.5						64
78	125	36	100	156,5	99	147.3	63.5	73	152	123	52	39	84
103					124	172.3	88.5						109
UA1455 with channel holder 155													
58					79	90.3	43.5						64
78	125	36	100	202	99	147.3	63.5	73	152	123	52	39	84
103					124	172.3	88.5						109
UA1555 with channel holder 202													
50					73	121.3	30						58
75	125	50	115	156,5	98	146.3	55	61	176	121	76	39	83
100					123	171.3	80						108
UA1555 with channel holder 155													
50					73	121.3	30						58
75	125	50	115	202	98	146.3	55	61	176	121	76	39	83
100					123	171.3	80						108

Key for abbreviations
on page 52

Assembly instructions on
kabelschlepp.de/assembly

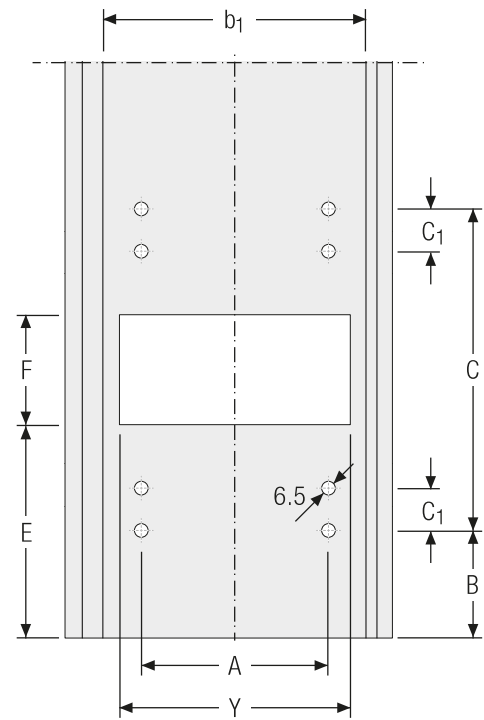
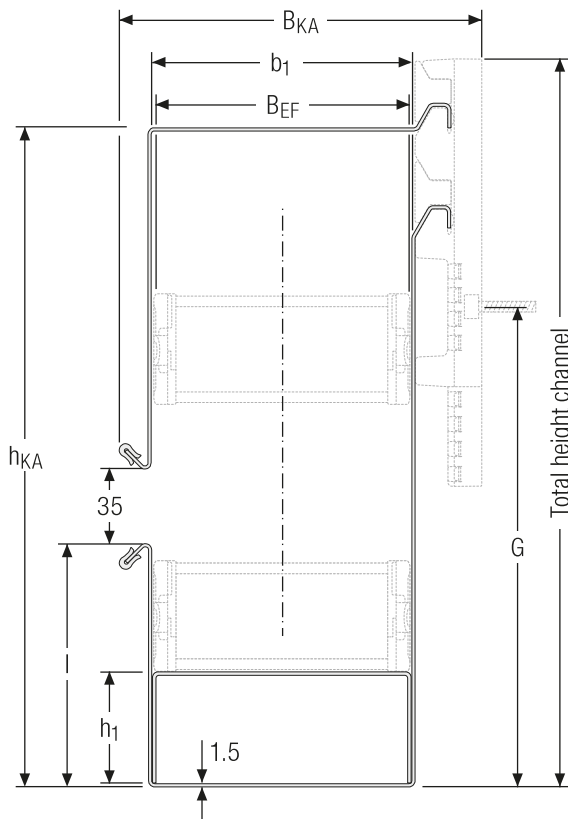
Order key
on page 49



Dimensions | standing with enclosure (Variant B)

kabelschlepp.de/
channel

Configure your cable carrier:
onlineengineer.de



Support height

$$h_1 = h_G$$

QuickTrax series

The cable carrier width B_K is taken into account for calculating the clear width b_1 and the overall width B_{KA} .

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															
25	100	25.5	237	156.5	42	270	10	79	140	14	129	40	152	54	27
50					67		35								52
QT0320 with channel holder 155															
25	100	25.5	237	202	42	270	10	79	140	14	129	40	152	54	27
50					67		35								52

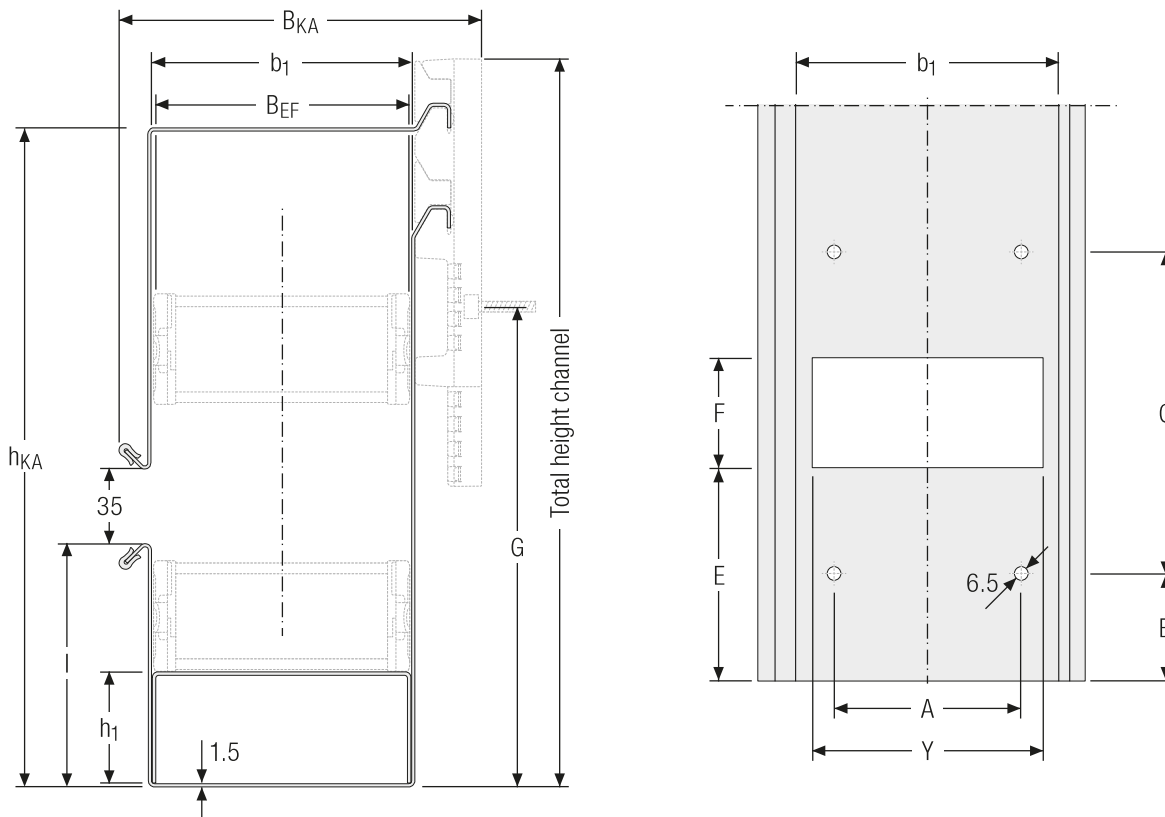
UNIFLEX Advanced series

The cable carrier width B_K is taken into account for calculating the clear width b_1 and the overall width B_{KA} .

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]
UA1320 with channel holder 202															
25	100	25.5	237	156.5	42	270	10	79	140	14	129	40	152	54	27
50					67		35								52
UA1320 with channel holder 155															
25	100	25.5	237	202	42	270	10	79	140	14	129	40	152	54	27
50					67		35								52

Technical support:
technik@kabelschlepp.de

Dimensions | standing with enclosure (Variant B)



UNIFLEX Advanced series

The cable carrier width B_K is taken into account for calculating the clear width b_1 and the overall width B_{KA} .

B_1 [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														
58				292	79	127.3	43.5							64
78	125	36	297	330	99	147.3	63.5	73	152	123	52	212.5	100	84
103					124	172.3	88.5							109
UA1455 with channel holder 155														
58				292	79	127.3	43.5							64
78	125	36	297	330	99	147.3	63.5	73	152	123	52	212.5	100	84
103					124	172.3	88.5							109
UA1555 with channel holder 202														
50					73	121.3	30							58
75	125	50	311	344	98	146.3	55	61	176	121	76	226.5	115	83
100					123	171.3	80							108
UA1555 with channel holder 155														
50					73	121.3	30							58
75	125	50	311	344	98	146.3	55	61	176	121	76	226.5	115	83
100					123	171.3	80							108

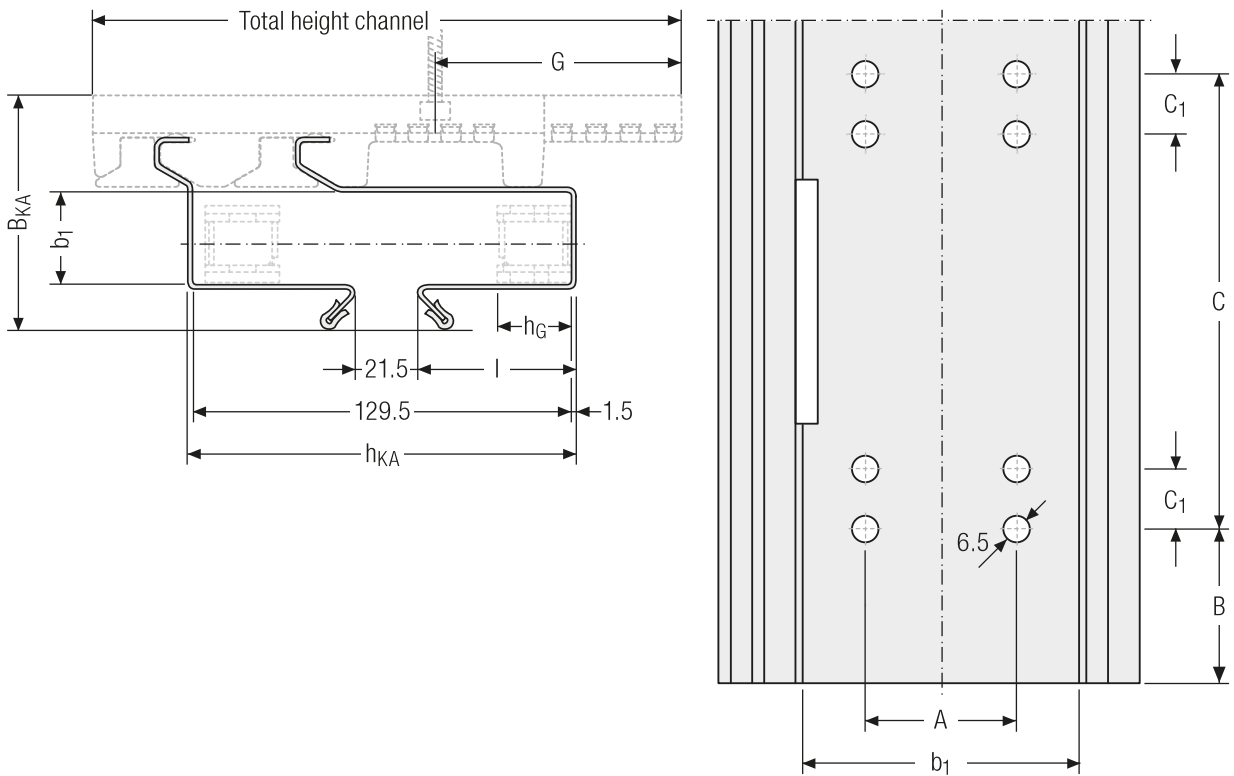
Key for abbreviations on page 52

Assembly instructions on kabelschlepp.de/assembly

Order key on page 49



Dimensions | laying on its side (Variant C)



Configure your cable carrier:
onlineengineer.de

kabelschlepp.de/
channel

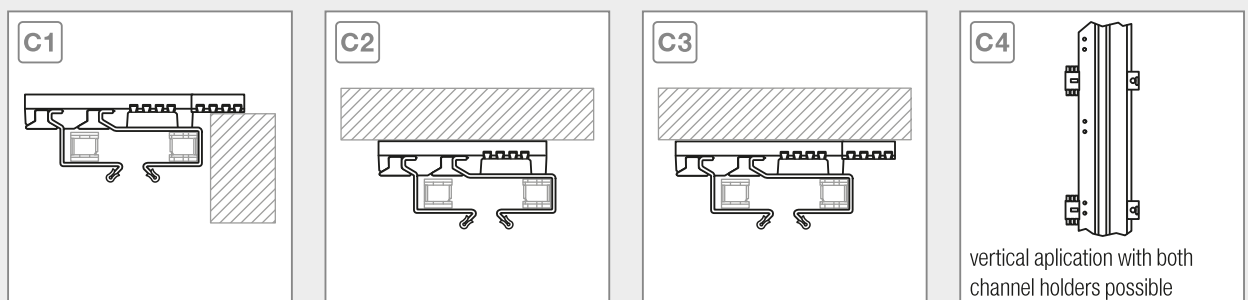
QuickTrax series | UNIFLEX Advanced series

The cable carrier width B_K is taken into account for calculating the clear width b_1 and the overall width B_{KA} .

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											
15				32	80.3	–					
25	48	133	202	42	90.3	10	85	128	14	48	54
50				67	115.3	35.5					
QT0320 UA1320 with channel holder 155											
15				32	80.3	–					
25	48	133	164,6	42	90.3	10	85	128	14	48	54
50				67	115.3	35.5					

Technical support:
technik@kabelschlepp.de

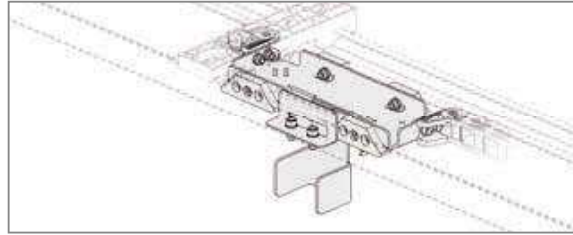
Mounting options



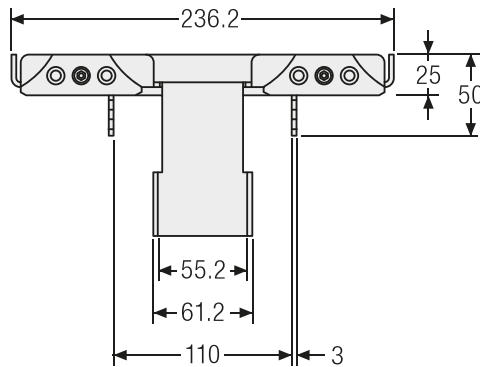
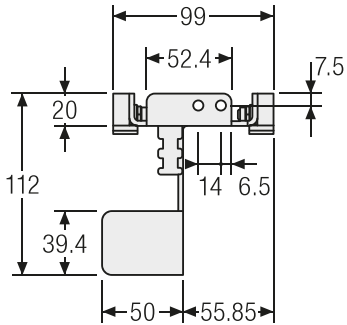
Information on the fixing options for the Easy Guide Systems can be found on page 48

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

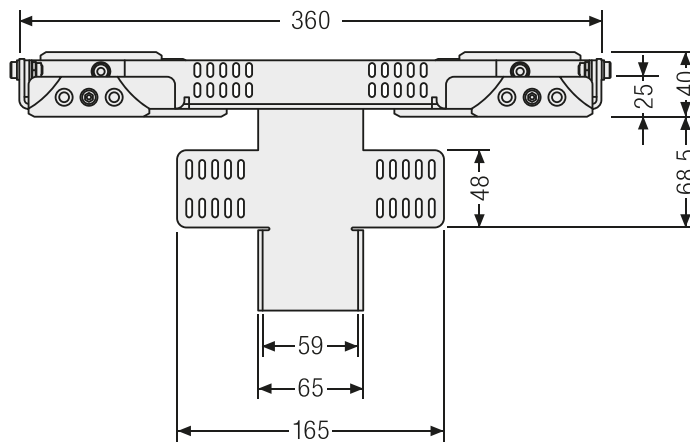
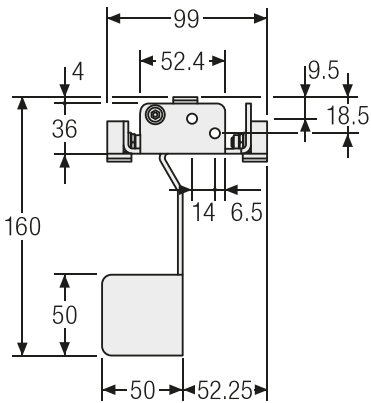
For the version of the Easy Guide System laying on its side, the correct carrier sledge has to be used for each cable carrier width.



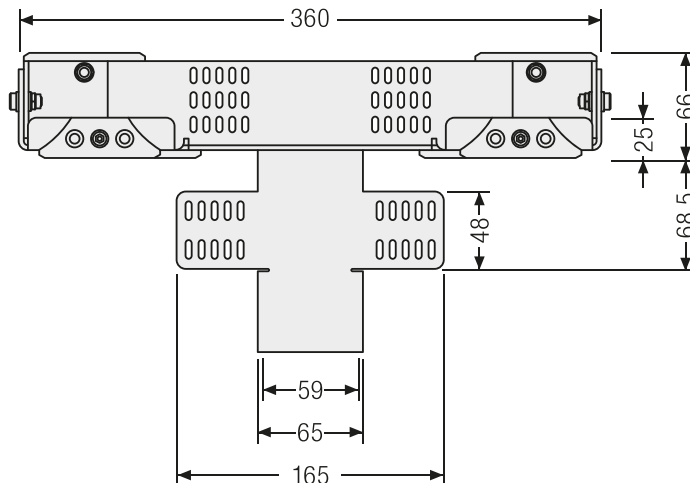
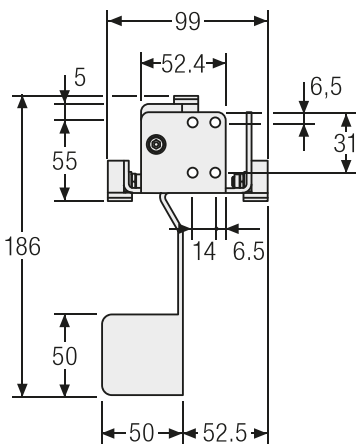
Driver sledge DS-79-112 für B_i 15



Driver sledge DS-156-360 für B_i 25



Driver sledge DS-175-360 für B_i 50



Key for abbreviations
on page 52

Assembly instructions on
kabelschlepp.de/assembly

Order key
on page 49



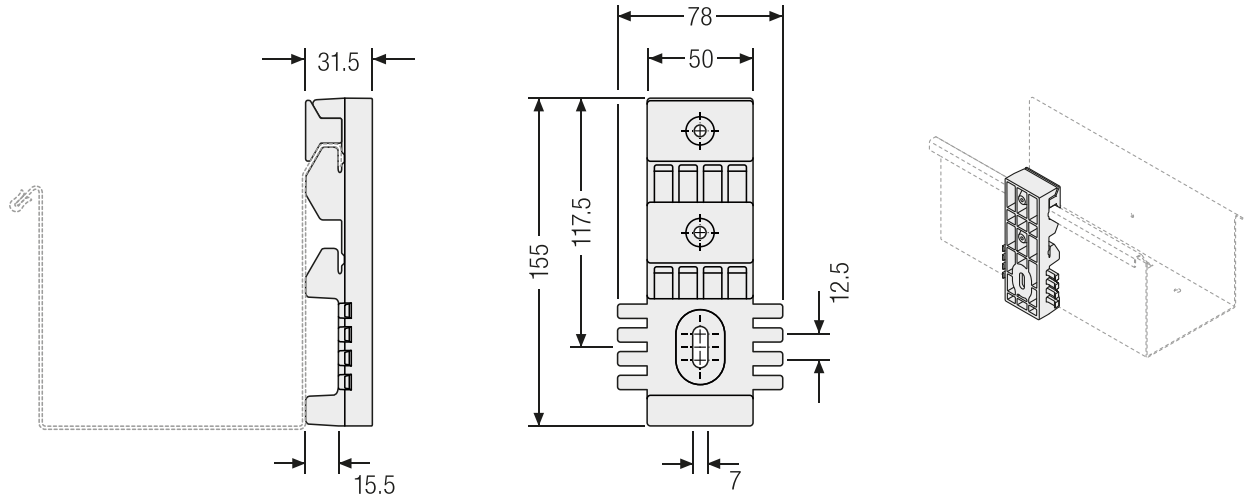
Easy Guide System | Fixing Elements

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.

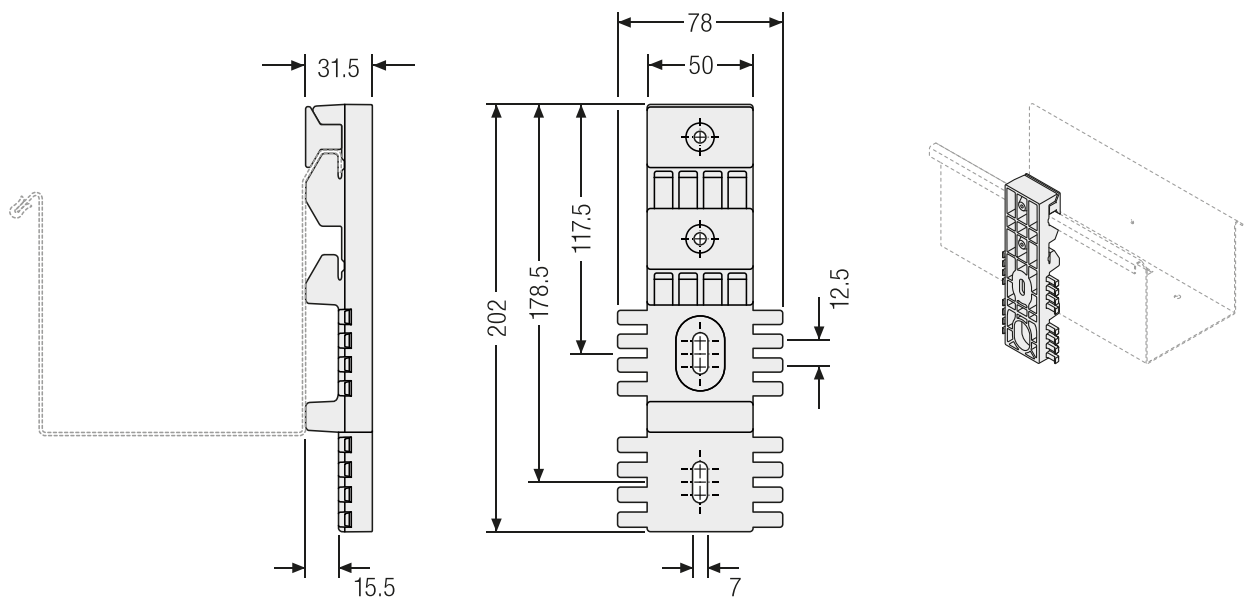
kabelschlepp.de/
channel

Configure your cable carrier:
onlineengineer.de

Mounting with holder 155



Mounting with holder 202



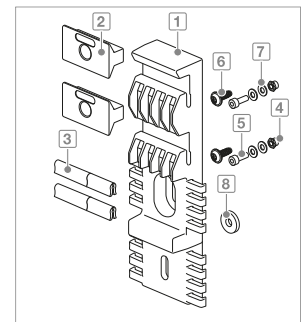
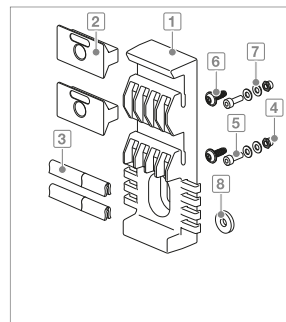
Technical support:
technik@kabelschlepp.de

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 |




Easy Guide System | Order Key

Order

Channel

Channel type	Variant	Support	h_{KA} [mm]	b_1 [mm]	Quantity
TKEG	A	00 (with) 01 (without)	32	32	
			42	42	
			67	67	
			73	73	
			79	79	
	B C	54	54		
		100	100		
		123	123		
		115	115		
		124	124		

TKEG	B	00	100	99	10
Channel type	Variant	Support	h_{KA} [mm]	b_1 [mm]	Quantity

 **Caution:** Not all combinations are possible. Please note the information on the individual channel variants.

Holder

Channel type	Variant	Quantity
TKEG	H155	
	H202	

TKEG	H202	20
Channel type	Variant	Quantity

Driver sledge

Channel type	Variant	Quantity
TKEG	DS-79-112	
	DS-156-360	
	DS-175-360	

TKEG	DS-79-112	1
Channel type	Variant	Quantity

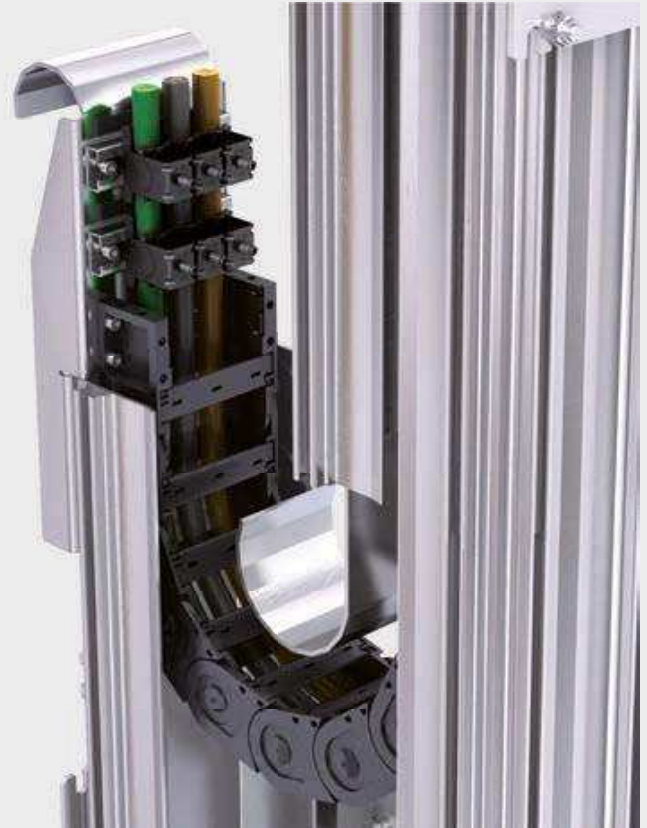


Guide channels for vertical hanging applications

- Ready-to-install channel system made of aluminum.
- Standardized dimensions
- Easy installation through complete pre-assembly.
- E.g. for elevators, storage and retrieval systems and many other applications.

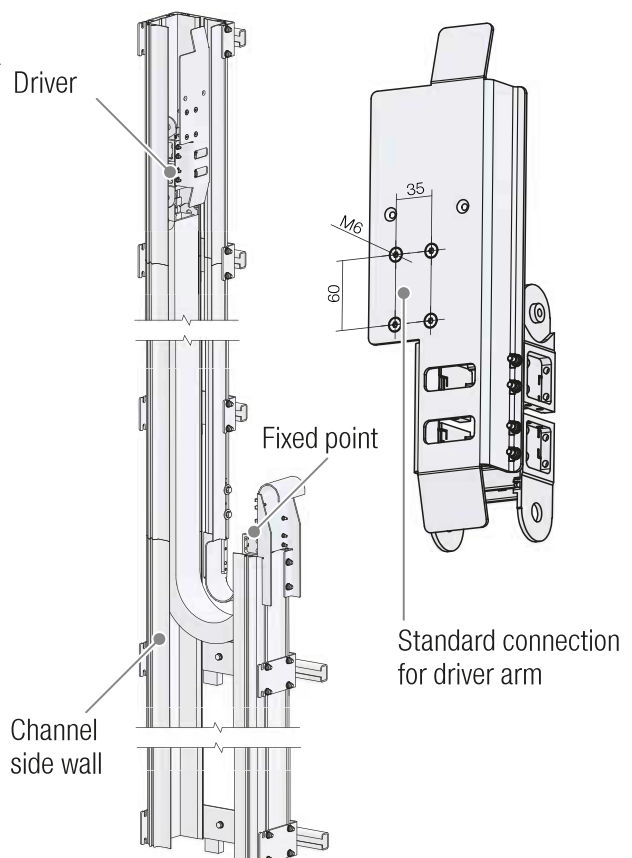
Aluminum channel system for UNIFLEX *Advanced*


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. The ready-to-connect complete system includes driver stop, cables and strain reliefs and has a modular design which makes it very easy to install. Individually adapted standard parts and therefore standardized dimensions 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



General abbreviations







































a_c = nominal width inner chamber	L_A = length of support tray
a_{max} = max. travel acceleration	L_B = length of carrier in bend
a_{TL} = distance lateral tabs inside to center of first divider	L_D = length of permissible sag
a_{TR} = distance lateral tabs inside to center of last divider	L_f = unsupported length
a_x = divider center to center distance	L_{ES} = length of energy conduit
b₁ = inner width of support tray/guide channel	L_k = cable carrier length without connection
b₂ = hole distance – cable gland outside	L_{KA} = channel length
b₃ = hole distance – cable gland inside	L_{KA'} = support length
b₄ = hole distance – fixing of cable carrier	($\triangleq L_G/2$) for One-sided arrangement
b₅ = width of bottom panel	($\triangleq X - 2 l_1$) for opposite arrangement
b_A = distance between connection boreholes	L_{Z1} = addition for loop overhang
B_A = outer width of support tray	L_{Z2} = addition for connection ($\triangleq l_1 + 50$ mm)
B_{EF} = overall width of cable carrier incl. attachments	L_S = travel length
B_i = inner width	L_v = fixed point offset
B_k = outer width	n_p = number of hole stay inserts
B_{KA} = outer width of guide channel	n_{RKR} = number of RKR links
B_p = width of hole stay inserts	n_T = number of dividers
B_{St} = stay width	n_Z = number of comb teeth for strain relief
c = distance between hole stay bores	q_k = intrinsic cable carrier weight
d = diameter	q_Z = additional load
D = bore diameter	RKR = reverse bending radius
d_R = pipe diameter	s / s₁ = sheet metal thickness
G = bore hole position	s₂ = bottom panel thickness
H = connection height	S_H = thickness of height separation
h_A = outer height of support tray	S_T = thickness of divider
h_G = chain link height	t = pitch
h_{G'} = chain link height incl. glide shoe	T = support width of support tray/guide channel
h_i = inner height	U_B = loop overhang
H_i = inner height of frame stay assembly	VD = position of continuous height separations in divider
h_{KA} = outer height of guide channel	VR = position of partial height separations in divider
h₁ = channel profile height – support height	v_{max} = max. travel speed
h₂ = channel profile height – run-off height	VS = fully-stayed
HS = half-stayed	W_f = base width of divider
H_Z = installation height	X = connection distance for opposite arrangement
l = height channel opening	Z = pretension
KR = bending radius	
l₁ = connection length	
l₂₋₅ = connection dimensions	
l_A = length of end connector	

Definitions

driver view = view into the driver connection

Support Trays & Guide Channels | Pictographs

Pictographs

	Inner height		stay arrangement on every 2 nd chain link		clean room suitable
	Inner width		stay arrangement on every chain link		quiet running/low noise
	Inner width (B _i) in x mm increments		cannot be opened		sold by the meter
	pitch		opens outward		ESD material
	bending radius		opens inward		suitable for explosive atmospheres
	long travel length		opens inward/outward		heat-resistant
	travel length unsupported		covered cable carrier		cold-resistant
	travel length gliding		sliding dividers		resistant to hot chips
	high additional load		fixable dividers		flame-resistant V0 (UL94)
	high travel acceleration		fixable dividers in x mm grid		flame-resistant V2 (UL94)
	high travel velocity		height separation possible		order code
			height separation in 1 mm increments		important information
			hole stay available		
			guide channel required		
			strain relief		

Key for abbreviations on page 52

Assembly instructions on kabelschlepp.de/assembly