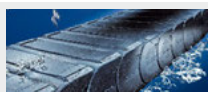


TUBE-SERIES

Covered Cable Carriers

- Covered cable and hose carriers with plastic or aluminum cover systems and completely enclosed carrier tubes
- For protection of the cables for applications where chips or severe contamination occur



TKA Series

Chip-tight right to the end

page 234



CoverTrax

Extreme cable protection in harsh environmental conditions

page 276



UNIFLEX TUBES

Proven solid cable carriers with fixed carrier widths

page 284



MASTER TUBES

Quiet and weight-optimized cable carriers

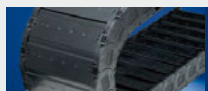
page 294



MT Series

Multivariable cable carrier with extensive accessories

page 300



TKC91

Easy to assemble, stable cable carriers with variable dimensions

page 310



XLT Series

Cable and hose carrier with large inside height

page 316



S/SX Series

Extremely robust and stable steel chains

page 320



CONDUFLEX

Closed designer cable carrier

page 321



MOBIFLEX

Enclosed cable carrier with flexible metal helical tube

page 322

TKA Series

Chip-tight right to the end





Inside heights
20.5 – 45 mm



Inside widths
15 – 175 mm



Pitch
30.5 – 55.5 mm



Additional load
up to 10 kg/m



**Travel length
unsupported**
up to 6 m



**Travel length
gliding**
up to 150 m



Travel speed
up to 9 m/s



Travel acceleration
up to 45 m/s²

All technical data and features are application and type-dependent.

Let us know your requirements – we are here to help!

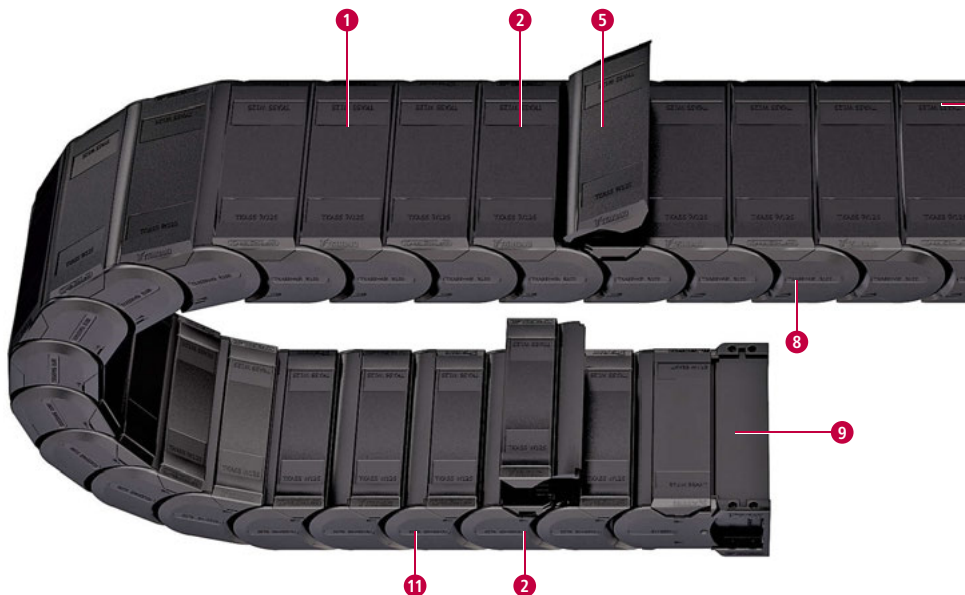
TUBE SERIES | TKA Series

Inside
heights20.5
-
45Inside
widths15
-
175

kabelschlepp.de

Fon:

+49 2762 4003-0

Use our free
project planning service.

Features

- Excellent cable protection also in the connection area
- Chips and dirt-resistant due to smooth surfaces
- Extensive unsupported length
- High torsional rigidity
- Good inside to outer width ratio
- Low internal noise emissions
- Optional: Special material with protection against chips up to 850° C
- Numerous custom material types for custom applications available
- Easy assembly
- Fast cable laying
- Easy-to-open cover with simultaneously high retention force on the chain link during operation
- Measurement scale for easy alignment of the dividers along the cover
- Strain relief can be completely integrated into connecting element
- TKA55: IP54 tested & attested



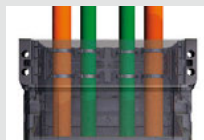
Optimized utilization of the interior space; vertical as well as horizontal subdivision possible



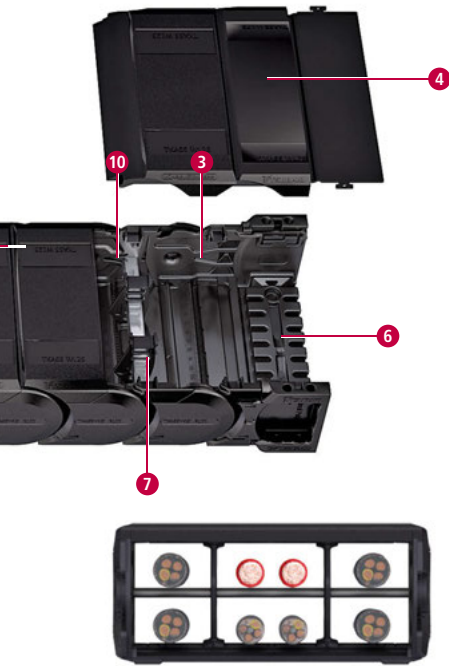
Easy-to-open cover from any vantage point, yet securely fastened



3-fold stroke system for extensive unsupported length



Universal mounting bracket with integrated strain relief elements



Example of cross section

- 1 Secure cover attachment even under severe stresses (e.g. due to hydraulic cables)
- 2 Designs with inward or outward opening covers
- 3 Cable-friendly interior space without sharp edges
- 4 Cover completely detachable on one side
- 5 Quick and easy opening from any vantage point
- 6 Connecting pieces with optional strain relief
- 7 Dividers and height separation for cables
- 8 Chain links made of glass fibre-reinforced plastic
- 9 Cover sheet for universal mounting bracket
- 10 Integrated noise damping system
- 11 Pin and bore connection and stroke system covered completely

Inside heights



Inside widths



kabelschlepp.de

Fon: +49 2762 4003-0

OnlineEngineer.de
Hersteller- und
 Cable Carrier-Configurator

Selection criteria for TKA series

- Where a tight cable carrier is a necessity
- Where easy one-sided cover opening from any vantage point is desirable (e.g. for cable inspections)
- Where inside subdivision is desirable
- Where fixed dividers should be available (e.g. for carriers lying on their side)
- Where a gliding arrangement should be possible
- Where the additional load does not exceed 15 kg/m
- Where a cable carrier that is openable on both sides is not required
- Where an aluminum cover is not a requirement
- Where a steel cable carrier is not a requirement (e.g. at extremely high temperatures)

Type	h _i [mm]	B _i [mm]	t [mm]	Page
TKA30	20.5	15 – 65	30.5	238
TKA38	26	25 – 130	38.5	246
TKA45	36	50 – 150	45.5	256
TKA55	45	50 – 175	55.5	266

Inside
heights

20.5

Inside
widths15
65kabelschlepp.deFon:
+49 2762 4003-0Use our free
project planning service.

TKA30

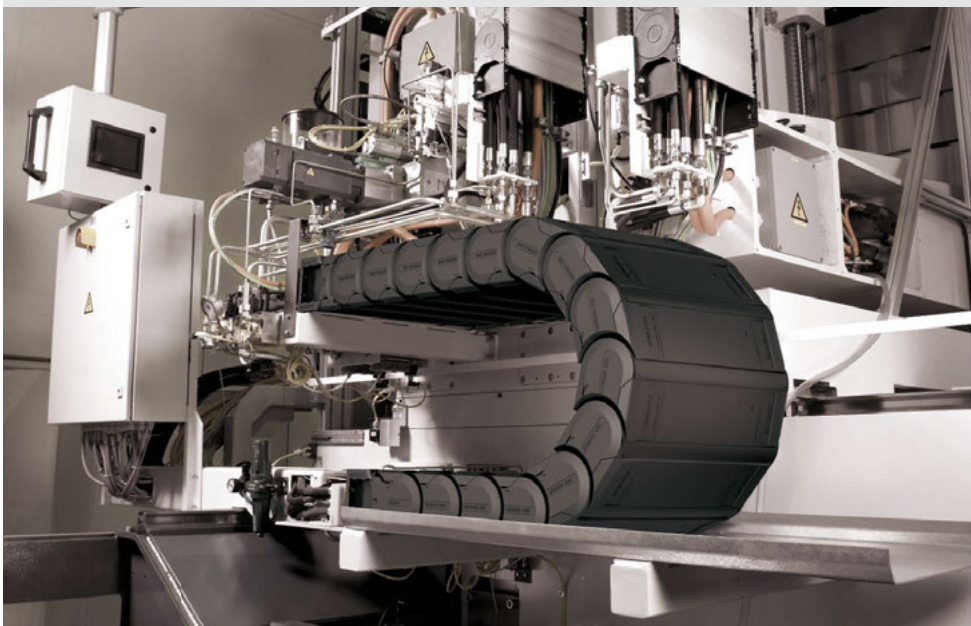
**Pitch**
30.5 mm**Height**
20.5 mm**Width**
15 – 65 mm

Stay variants

Stay variant 060

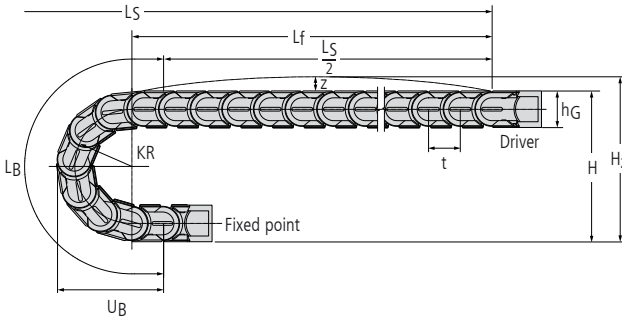
Inside: Quick-to-open cover

Stay variant 080

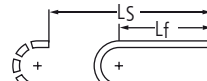
Outside: Quick-to-open coverSpare parts list, installation instructions, etc.:
Receive additional info at kabelschlepp.de

TUBE SERIES | TKA30

Unsupported arrangement



Unsupported length Lf



A sag of the cable carrier is technically permissible for extended movement ranges, depending on specific application.

Inside heights



Inside widths



$t = 30.5 \text{ mm}$

$z = 17 \text{ mm/m}$

Installation measurements unsupported

KR [mm]	H [mm]	H _z [mm]	L _B [mm]	U _B [mm]
55	139	164	234	100
75	179	204	297	120
95	219	244	359	140
125	279	304	454	170
145	319	344	516	190
180	389	414	626	225

Note: For order example and notes for ordering, refer to page 275.

kabelschlepp.de

Fon: +49 2762 4003-0

OnlineEngineer.de
 Ihr KABELSCHLEPP
 Cable Carrier-Experte

TUBE SERIES | TKA30

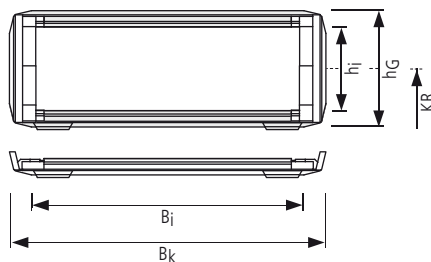
Stay variant 060 –

covered on both sides with detachable covers on the inside

Inside
heightsInside
widths
kabelschlepp.de


Pitch, inside height and chain link height

Type	t [mm]	h _i [mm]	h _G [mm]
TKA30.060	30.5	20.5	28.5



Fon:

+49 2762 4003-0

Inside/outside width and intrinsic chain weight

Type	B _i [mm]	B _k [mm]	q _k [kg/m]
TKA30.060	15	28	0.48
TKA30.060	20	33	0.51
TKA30.060	25	38	0.54
TKA30.060	38	51	0.61
TKA30.060	50	63	0.67
TKA30.060	65	78	0.76

TUBE SERIES | TKA30

Stay variant 080 –

covered on both sides with detachable covers on the outside



Inside heights



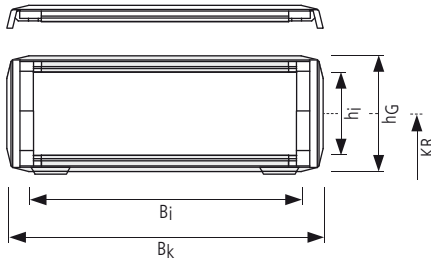
Inside widths



kabelschlepp.de

Pitch, inside height and chain link height

Type	t [mm]	h _i [mm]	h _G [mm]
TKA30.080	30.5	20.5	28.5



Fon: +49 2762 4003-0

Inside/outside width and intrinsic chain weight

Type	B _i [mm]	B _k [mm]	q _k [kg/m]
TKA30.080	15	28	0.48
TKA30.080	20	33	0.51
TKA30.080	25	38	0.54
TKA30.080	38	51	0.61
TKA30.080	50	63	0.67
TKA30.080	65	78	0.76

TUBE SERIES | TKA30

Inside heights



Inside widths



Divider systems

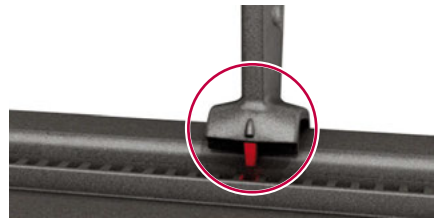
In the standard version, dividers or the complete divider system (dividers with height separation) can be moved in the cross section (**Version A**).

For applications with transverse accelerations and where the carrier is rotated through 90° the dividers can be fixed simply by turning them. This causes the arresting cams to engage in the locking profiles of the covers (**Version B**).

Moveable divider Version A (standard)



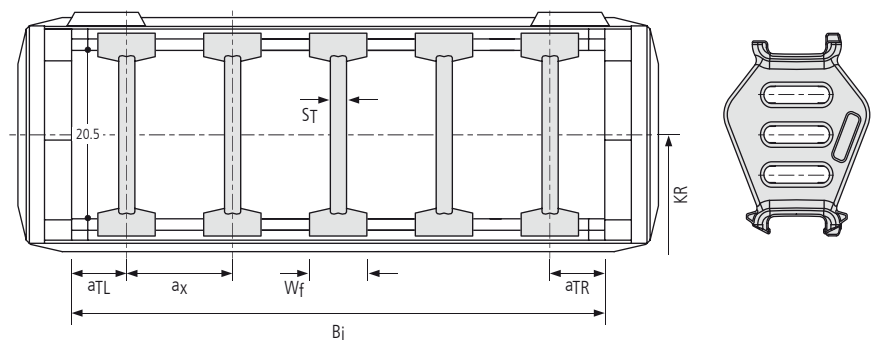
Fixable divider (2 mm grid) Version B



kabelschlepp.de

Divider system TS0 without height separation

ST [mm]	Wf [mm]	Version A moveable		Version B fixable		
		aTL/aTR min [mm]	ax min [mm]	aTL/aTR min [mm]	ax min [mm]	ax grid [mm]
2	7	3.5	7	3.5	8	2



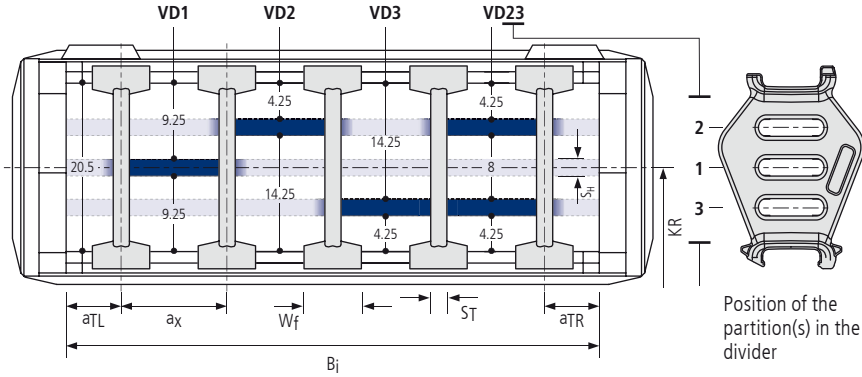
Fon: +49 2762 4003-0

Use our free project planning service.

TUBE SERIES | TKA30

Divider system TS1 with continuous height separation made of aluminum

ST [mm]	Wf [mm]	SH [mm]	aTL/aTR max [mm]	Version A moveable		Version B fixable		
				aTL/aTR min [mm]	ax min [mm]	aTL/aTR min [mm]	ax min [mm]	ax grid [mm]
2	7	2	20	3.5	7	3.5	8	2



Note: For order example and notes for ordering, refer to page 275.

kabelschlepp.de

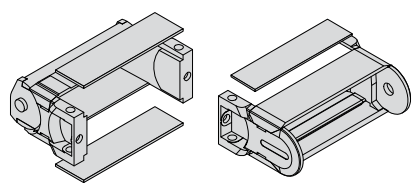
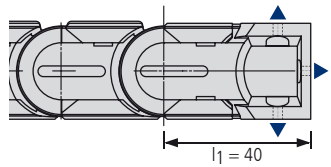
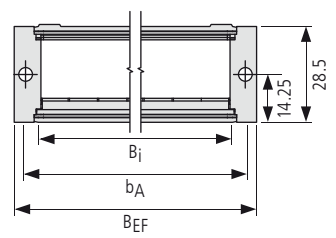
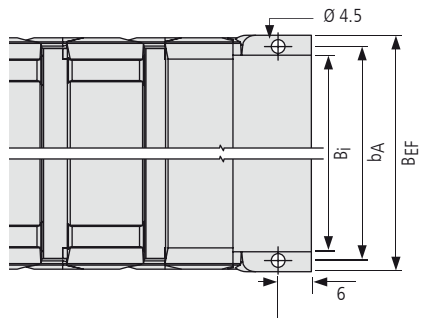
Fon: +49 2762 4003-0

OnlineEngineer.de
TSUBAKI KABELSCHLEPP
 Cable Center - Engineering

TUBE SERIES | TKA30

Universal mounting brackets (UMB)

The universal mounting brackets (UMB) are made from plastic and can be mounted from above, from below or at the front.



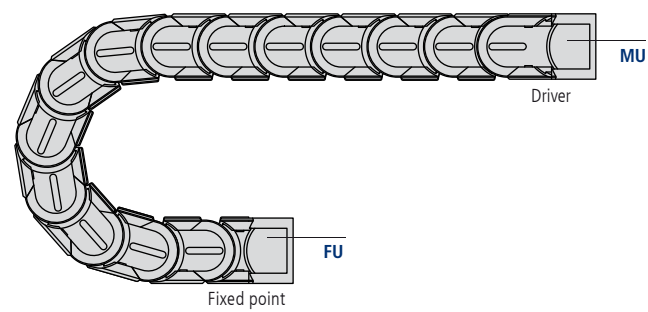
▲ Assembly options

i Note: The connecting elements are also available as an option **without** cover plate. Please state when ordering.

Connection dimensions

B_i [mm]	b_A [mm]	B_{EF} [mm]
15	24	31
20	29	36
25	34	41
38	47	54
50	59	66
65	74	81

i The connection dimensions for fixed point and driver are identical. When ordering, please specify the connection type (see order key on page 275).

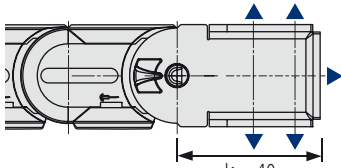
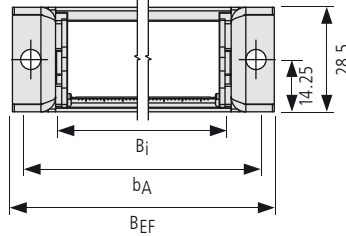
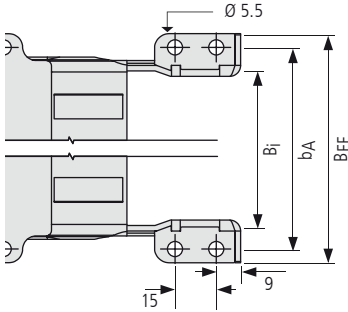


Use our free project planning service.

TUBE SERIES | TKA30

Universal mounting brackets St (UMB)

The universal mounting brackets (UMB) are made from zinc plated steel and can be mounted from above, from below or at the front.



▲ Assembly options

i The connection dimensions for fixed point and driver are identical. When ordering, please specify the connection type (see order key on page 275).

i **Note:** The connecting elements are also available as an option **with** cover plate. Please state when ordering.

Inside heights



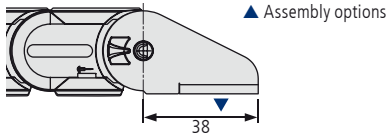
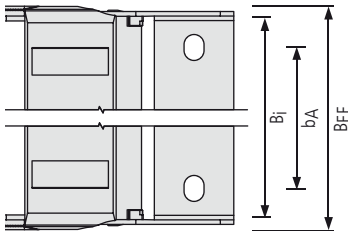
Inside widths



kabelschlepp.de

Connecting elements St

The connecting elements are made from zinc plated steel. Depending on the application the connection type (**above or below**) can be altered simply by turning them.



▲ Assembly options

Connection dimensions

Bi [mm]	St (UMB)			St		Bi [mm]	St (UMB)			St	
	bA [mm]	BEF [mm]	bA [mm]	BEF [mm]	bA [mm]		BEF [mm]	bA [mm]	BEF [mm]		
15	35	45	1	28	38	58	68	24	51		
20	40	50	6	33	50	70	80	36	63		
25	45	55	11	38	65	85	95	51	78		

i **Note:** Connecting elements St (UMB) and St provide the same connecting dimensions as the previous model UNIFLEX 060. Order: Please contact us. We will willingly advise you.

TKA38

Pitch
38.5 mmHeight
26 mmWidth
25 – 130 mmInside
heightsInside
widths

Stay variants

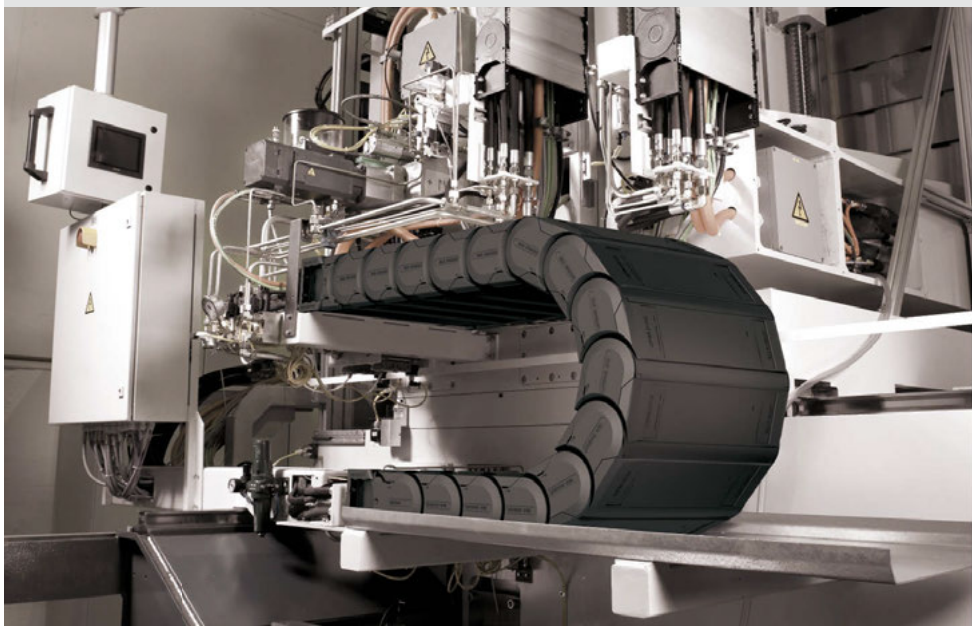
Stay variant 060

Inside: Quick-to-open cover



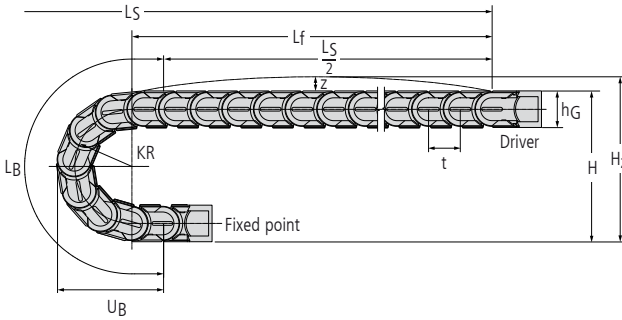
Stay variant 080

Outside: Quick-to-open cover

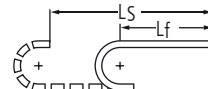
kabelschlepp.deFon:
+49 2762 4003-0Use our free
project planning service.Spare parts list, installation instructions, etc.:
Receive additional info at kabelschlepp.de

TUBE SERIES | TKA38

Unsupported arrangement



Unsupported length Lf



A sag of the cable carrier is technically permissible for extended movement ranges, depending on specific application.

Inside heights



Inside widths



$t = 38.5 \text{ mm}$

$z = 17 \text{ mm/m}$

Installation measurements unsupported

KR [mm]	H [mm]	H _z [mm]	L _B [mm]	U _B [mm]
70	176	201	297	127
95	226	251	375	152
120	276	301	454	177
145	326	351	532	202
170	376	401	611	227
195	426	451	689	252
230	496	521	799	287

Note: For order example and notes for ordering, refer to page 275.

kabelschlepp.de

Fon: +49 2762 4003-0

OnlineEngineer.de
 Tsubaki KABELSCHLEPP
 Cable Carrier Configuration

TUBE SERIES | TKA38

Stay variant 060 –
covered on both sides with detachable covers on the inside

Inside heights

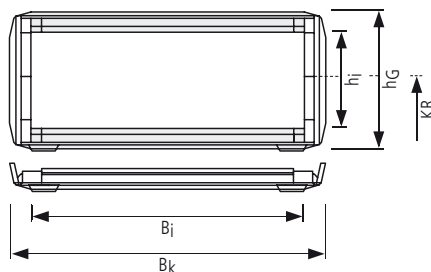


Inside widths


kabelschlepp.de

Pitch, inside height and chain link height

Type	t [mm]	h _i [mm]	h _G [mm]
TKA38.060	38,5	26	36



Fon:
+49 2762 4003-0

Inside/outside width and intrinsic chain weight

Type	B _i [mm]	B _k [mm]	q _k [kg/m]
TKA38.060	25	41	0.77
TKA38.060	38	54	0.86
TKA38.060	58	74	1.00
TKA38.060	78	94	1.13
TKA38.060	103	119	1.29
TKA38.060	130	143	1.47

TUBE SERIES | TKA38

Stay variant 080 –

covered on both sides with detachable covers on the outside



Inside heights



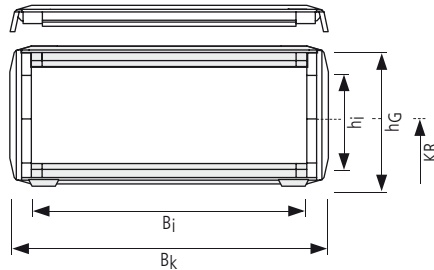
Inside widths



kabelschlepp.de

Pitch, inside height and chain link height

Type	t [mm]	h _i [mm]	h _G [mm]
TKA38.080	38.5	26	36



Fon: +49 2762 4003-0

Inside/outside width and intrinsic chain weight

Type	B _i [mm]	B _k [mm]	q _k [kg/m]
TKA38.080	25	41	0.77
TKA38.080	38	54	0.86
TKA38.080	58	74	1.00
TKA38.080	78	94	1.13
TKA38.080	103	119	1.29
TKA38.080	130	143	1.47

TUBE SERIES | TKA38

Inside heights



Inside widths

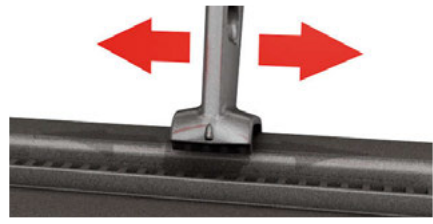


Divider systems

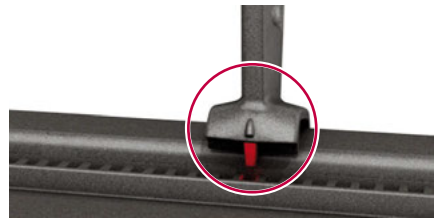
In the standard version, dividers or the complete divider system (dividers with height separation) can be moved in the cross section (**Version A**).

For applications with transverse accelerations and where the carrier is rotated through 90° the dividers can be fixed simply by turning them. This causes the arresting cams to engage in the locking profiles of the covers (**Version B**).

Moveable divider Version A (standard)



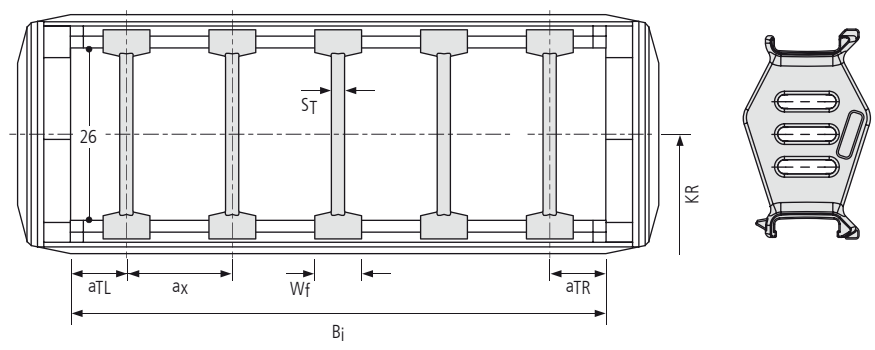
Fixable divider (2 mm grid) Version B



kabelschlepp.de

Divider system TS0 without height separation

S _T [mm]	W _f [mm]	Version A moveable		Version B fixable		
		a _{TL} /a _{TR} min [mm]	a _x min [mm]	a _{TL} /a _{TR} min [mm]	a _x min [mm]	a _x grid [mm]
2.0	7	3.5	7	3.5	8	2



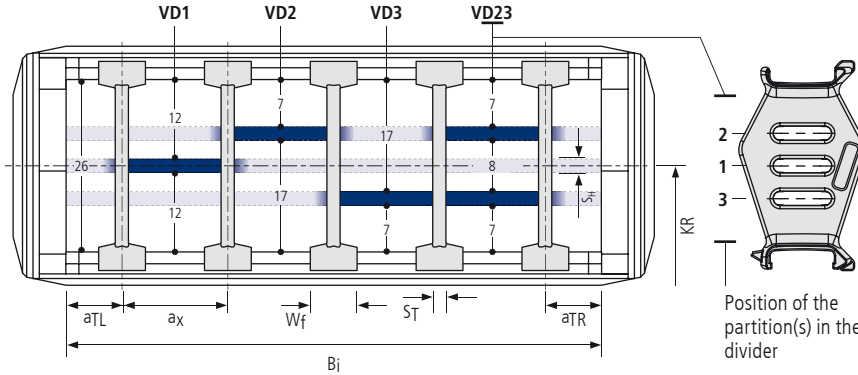
Fon: +49 2762 4003-0

Use our free project planning service.

TUBE SERIES | TKA38

Divider system TS1 with continuous height separation made of aluminum

ST [mm]	Wf [mm]	SH [mm]	aTL/aTR max [mm]	Version A moveable		Version B fixable		
				aTL/aTR min [mm]	ax min [mm]	aTL/aTR min [mm]	ax min [mm]	ax grid [mm]
2.0	7	2	20	3.5	7	3.5	8	2



Note: For order example and notes for ordering, refer to page 275.

Inside heights



Inside widths



kabelschlepp.de

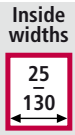
Fon: +49 2762 4003-0

OnlineEngineer.de
TSUBAKI KABELSCHLEPP
 Cable Center - Engineering

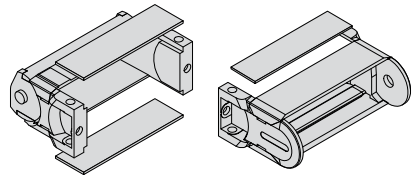
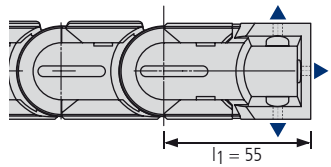
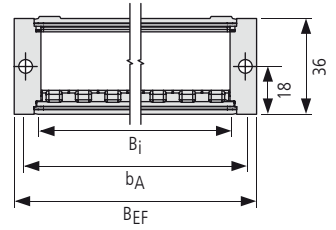
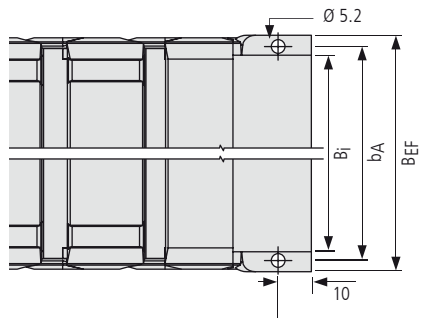
TUBE SERIES | TKA38

Universal mounting brackets (UMB)

The universal mounting brackets (UMB) are made from plastic and can be mounted from above, from below or at the front.



kabelschlepp.de



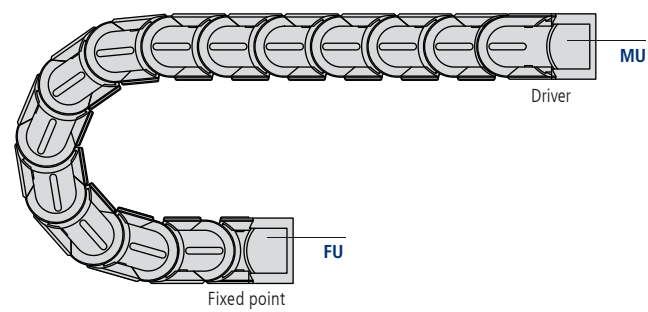
▲ Assembly options

i Note: The connecting elements are also available as an option **without** cover plate. Please state when ordering.

Connection dimensions

B_i [mm]	b_A [mm]	B_{EF} [mm]
25	34.5	43
38	47.5	56
58	67.5	76
78	87.5	96
103	112.5	121
130	139.5	148

i The connection dimensions for fixed point and driver are identical. When ordering, please specify the connection type (see order key on page 275).



Fon: +49 2762 4003-0

Use our free project planning service.

TUBE SERIES | TKA38

Plastic strain relief combs on one side

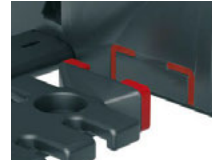
The **optional strain relief combs** allow quick and safe securing of the cables. The strain relief combs are mounted between the UMB brackets, and don't require separate screw connections or mounting on a C-rail. **When ordering, please state if strain relief combs are required.**

B _i [mm]	n _z
25	2
38	3
58	5
78	7
103	9
130	13

n_z = Number of teeth on one side of the comb



UMB connection piece with optional strain relief comb



Fixing in the UMB

Inside heights



Inside widths



kabelschlepp.de

Fon:
+49 2762 4003-0

OnlineEngineer.de
Online-Kabelschlepp
 Cable Center Configuration

TUBE SERIES | TKA38

Inside heights

26

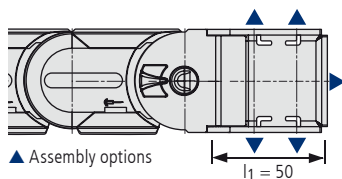
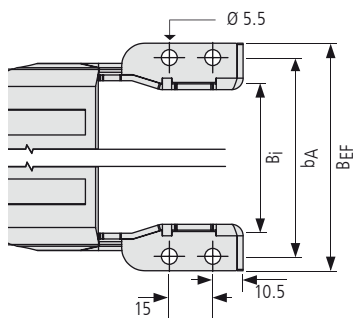
Inside widths

 25
130

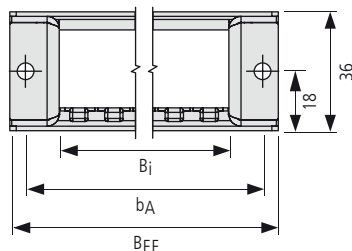
kabelschlepp.de

Universal mounting brackets St (UMB)

The universal mounting brackets (UMB) are made from zinc plated steel and can **be mounted from above, from below or at the front.**



▲ Assembly options

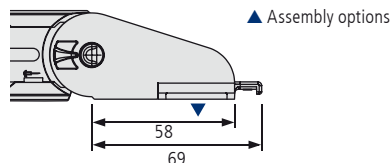
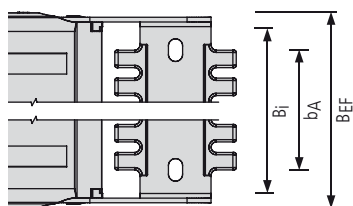


i The connection dimensions for fixed point and driver are identical. When ordering, please specify the connection type (see order key on page 275).

i **Note:** The connecting elements are also available as an option **with** cover plate. Please state when ordering.

Connecting elements St

The connecting elements are made from zinc plated steel. Depending on the application the connection type (**above or below**) can be altered simply by turning them.



▲ Assembly options

i The connecting element St are delivered as standard with strain relief comb made from plastic.

Fon: +49 2762 4003-0

Use our free project planning service.

Connection dimensions

Bi [mm]	St (UMB)			St		Bi [mm]	St (UMB)			St	
	bA [mm]	BEF [mm]	bA [mm]	BEF [mm]	bA [mm]		BEF [mm]	bA [mm]	BEF [mm]		
25	45	55	11.5	42	78	98	108	63.5	94		
38	58	68	23.5	54	103	123	133	88.5	119		
58	78	88	43.5	74	130	150	160	115.5	146		

i **Note:** Connecting elements St (UMB) and St provide the same connecting dimensions as the previous model UNIFLEX 060. Order: Please contact us. We will willingly advise you.

Notes

Inside heights



Inside widths



kabelschlepp.de

Fon: +49 2762 4003-0

OnlineEngineer.de
TSUBAKI KABELSCHLEPP
Cable Center - Engineering

Inside
heightsInside
widths
kabelschlepp.de

 Fon:
 +49 2762 4003-0

 Use our free
 project planning service.

TKA45



Stay variants

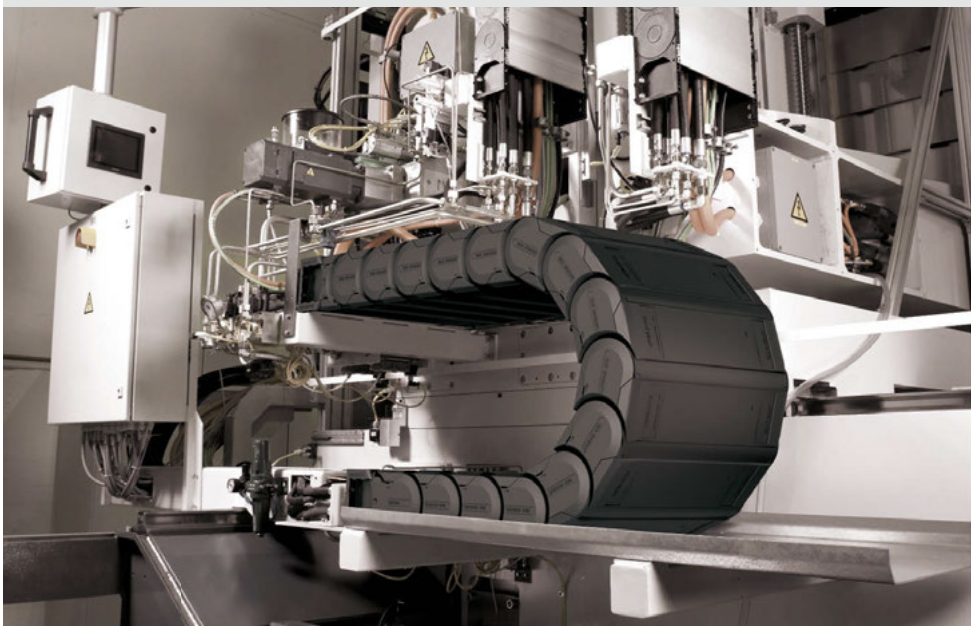
Stay variant 060

Inside: Quick-to-open cover



Stay variant 080

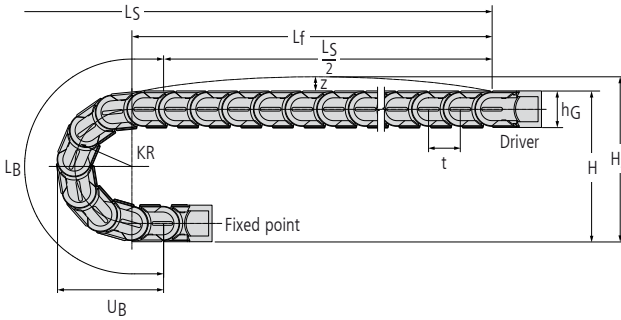
Outside: Quick-to-open cover



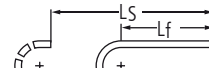
i Spare parts list, installation instructions, etc.:
 Receive additional info at kabelschlepp.de

TUBE SERIES | TKA45

Unsupported arrangement



Unsupported length Lf



A sag of the cable carrier is technically permissible for extended movement ranges, depending on specific application.

Inside heights



Inside widths



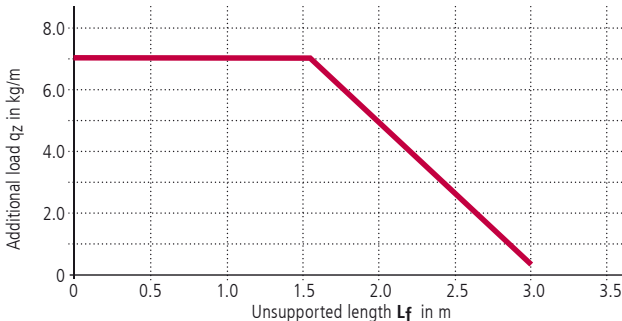
LS max. [m]	Dynamics				t [mm]	z [mm/m]
	vmax [m/s]		amax [m/s]			
	unsupported	gliding	unsupported	gliding		
125	9	3	45	20	45.5	17

Installation measurements unsupported

KR [mm]	H [mm]	Hz [mm]	LB [mm]	UB [mm]
82	214	249	348	153
95	240	275	389	166
125	300	335	483	196
145	340	375	546	216
170	390	425	625	241
200	450	485	719	271
230	520	555	814	301

Load diagram

for unsupported length Lf depending on the additional load



Calculation of the chain length

Chain length Lk

$$L_k \approx \frac{L_s}{2} + L_B$$

Chain length Lk rounded off to pitch t

Unsupported length Lf

$$L_f = \frac{L_s}{2} + t$$

kabelschlepp.de

Fon: +49 2762 4003-0

OnlineEngineer.de
TSUBAKI KABELSCHLEPP
 Cable Carrier Configurator

TUBE SERIES | TKA45

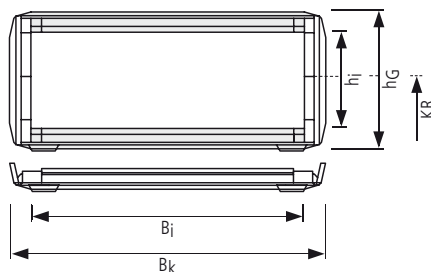
Stay variant 060 –

covered on both sides with detachable covers on the inside

Inside
heightsInside
widths
kabelschlepp.de


Pitch, inside height and chain link height

Type	t [mm]	h _i [mm]	h _G [mm]
TKA45.060	45.5	36	50


 Fon:
+49 2762 4003-0

Inside/outside width and intrinsic chain weight

Type	B _i [mm]	B _k [mm]	q _k [kg/m]
TKA45.060	50	66	1.34
TKA45.060	75	91	1.56
TKA45.060	100	116	1.75
TKA45.060	125	141	2.05
TKA45.060	150	166	2.29

TUBE SERIES | TKA45

Stay variant 080 –

covered on both sides with detachable covers on the outside



Inside heights



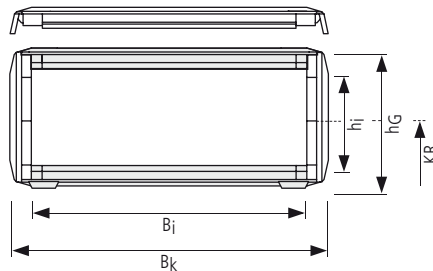
Inside widths



kabelschlepp.de

Pitch, inside height and chain link height

Type	t [mm]	h _i [mm]	h _G [mm]
TKA45.080	45,5	36	50



Inside/outside width and intrinsic chain weight

Type	B _i [mm]	B _k [mm]	q _k [kg/m]
TKA45.080	50	66	1.34
TKA45.080	75	91	1.56
TKA45.080	100	116	1.75
TKA45.080	125	141	2.05
TKA45.080	150	166	2.29

Fon: +49 2762 4003-0

OnlineEngineer.de
Hersteller- und
 CAD-Datei konfigurieren

TUBE SERIES | TKA45

Inside heights



Inside widths

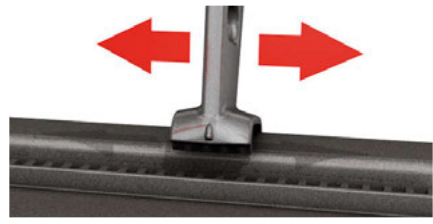


Divider systems

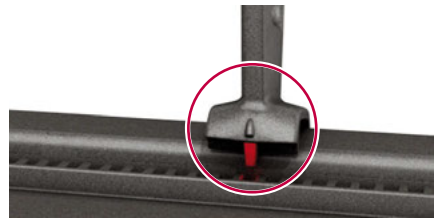
In the standard version, dividers or the complete divider system (dividers with height separation) can be moved in the cross section (**Version A**).

For applications with transverse accelerations and where the carrier is rotated through 90° the dividers can be fixed simply by turning them. This causes the arresting cams to engage in the locking profiles of the covers (**Version B**).

Moveable divider Version A (standard)



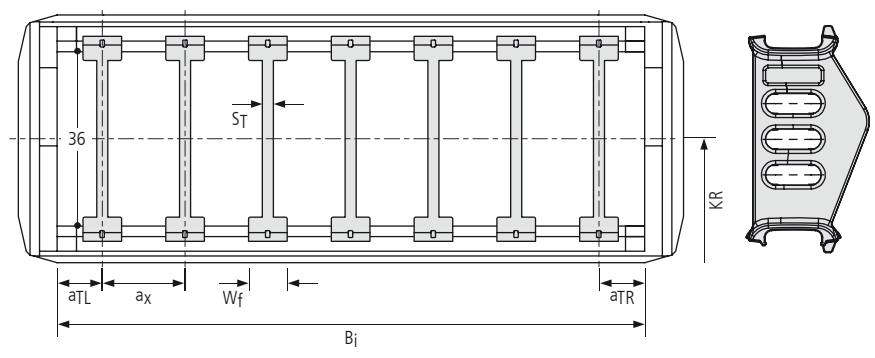
Fixable divider (2 mm grid) Version B



kabelschlepp.de

Divider system TS0 without height separation

ST [mm]	Wf [mm]	Version A moveable		Version B fixable		
		aTL/aTR min [mm]	ax min [mm]	aTL/aTR min [mm]	ax min [mm]	ax grid [mm]
2.5	8	4	8	12	8	2



Fon: +49 2762 4003-0

Use our free project planning service.

TUBE SERIES | TKA45

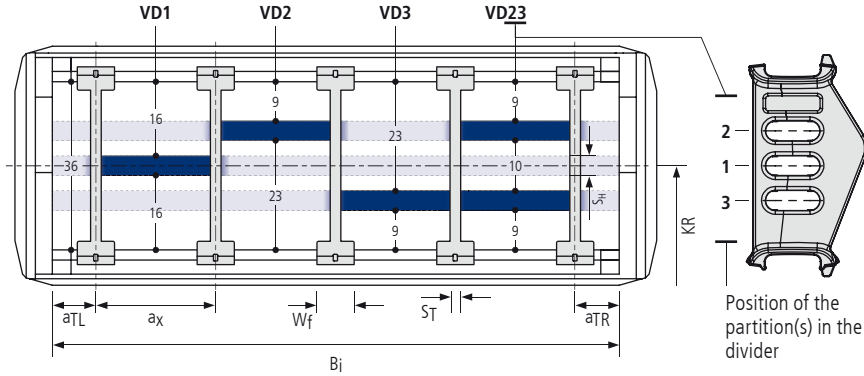
Divider system TS1 with continuous height separation made of aluminum

ST [mm]	Wf [mm]	SH [mm]	aTL/aTR max [mm]	Version A moveable		Version B fixable		
				aTL/aTR min [mm]	ax min [mm]	aTL/aTR min [mm]	ax min [mm]	ax grid [mm]
2.5	8	4	40	4	8	12	8	2

Inside heights



Inside widths



kabelschlepp.de

Note: For order example and notes for ordering, refer to page 275.

Fon: +49 2762 4003-0

OnlineEngineer.de
 TSKABELSCHLEPP
 Cable Center Configuration

TUBE SERIES | TKA45

Universal mounting brackets (UMB)

The universal mounting brackets (UMB) are made from plastic and can be mounted from above, from below or at the front.

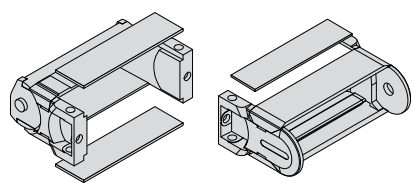
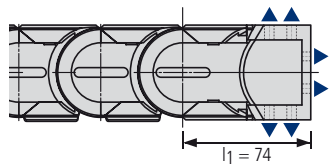
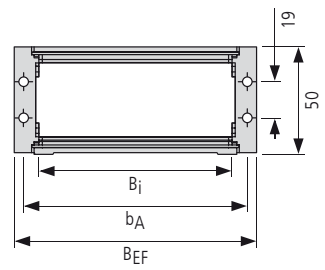
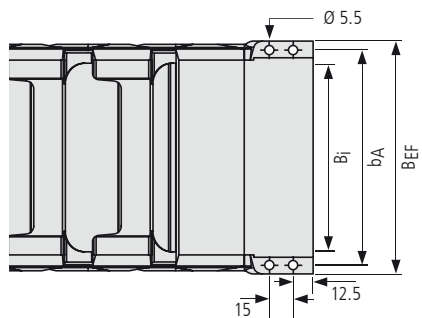
Inside heights



Inside widths



kabelschlepp.de



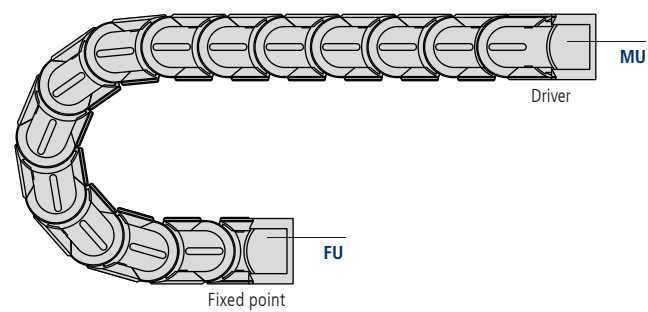
▲ Assembly options

i Note: The connecting elements are also available as an option **without** cover plate. Please state when ordering.

Connection dimensions

B_i [mm]	b_A [mm]	B_{EF} [mm]
50	60	70
75	85	95
100	110	120
125	135	145
150	160	170

i The connection dimensions for fixed point and driver are identical. When ordering, please specify the connection type (see order key on page 275).



Fon: +49 2762 4003-0

Use our free project planning service.

TUBE SERIES | TKA45

Both-sided strain relief combs made of plastic

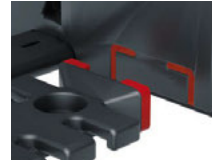
The cables can be fixed securely and simply using the **optional strain relief combs**. The strain relief combs are installed between the UMBs, and do not need to be bolted on separately or mounted on a C-rail. **When ordering, please state if strain relief combs are required.**

B _i [mm]	n _z
50	3
75	5
100	7
125	9
150	11

n_z = Number of teeth on one side of the comb



UMB connection piece with optional strain relief comb



Fixing in the UMB

Inside heights



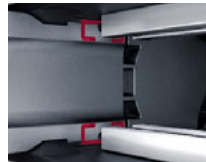
Inside widths



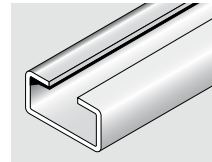
kabelschlepp.de

C-rails for LineFix bracket clamps, SZL strain reliefs and clamps

The optional C-rails are fixed by means of the universal mounting brackets and do not have to be screwed separately. **When ordering, please state if C-rails are required.**



UMB with C-rails. The UMB connections have receptacles at the top and bottom for attachment of the C-rail.



Integrated C-rail.
25 x 10 mm, slot width 11 mm, material steel, Item No. 3931

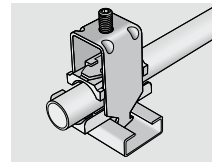
Fon: +49 2762 4003-0

Our LineFix strain reliefs are very well suited for the C-rails (LineFix bow clamps and other strain reliefs – refer to Chapter Accessories, from Page 381).

Note: LineFix strain reliefs can only be used in the connecting elements without cover plate.



C-rail with LineFix strain relief



OnlineEngineer.de
www.kabelschlepp.com
 Cable Center Configuration

TUBE SERIES | TKA45

Inside heights

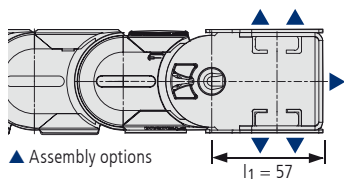
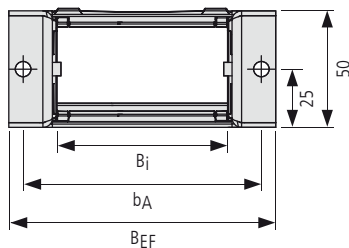
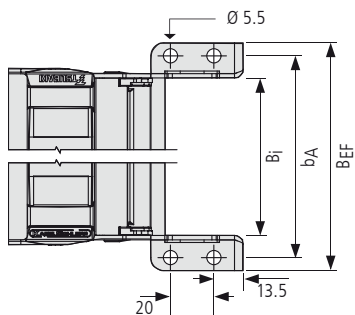


Inside widths



Universal mounting brackets St (UMB)

The universal mounting brackets (UMB) are made from zinc plated steel and can **be mounted from above, from below or at the front.**



▲ Assembly options

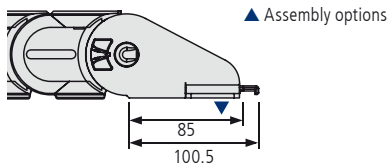
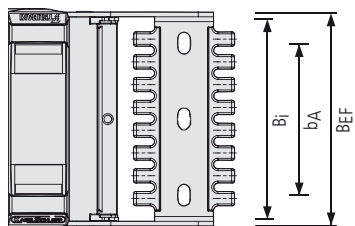
i The connection dimensions for fixed point and driver are identical. When ordering, please specify the connection type (see order key on page 275).

i **Note:** The connecting elements are also available as an option **with** cover plate. Please state when ordering.

kabelschlepp.de

Connecting elements St

The connecting elements are made from zinc plated steel. Depending on the application the connection type (**above or below**) can be altered simply by turning them.



▲ Assembly options

i The connecting element St are delivered as standard with strain relief comb made from plastic.

Fon: +49 2762 4003-0

Connection dimensions

Universal mounting brackets St (UMB)			Connecting elements St	
Bi [mm]	bA [mm]	BEF [mm]	bA [mm]	BEF [mm]
50	78	90	30	66
75	103	115	55	91
100	128	140	80	116
125	153	165	105	141
150	178	190	130	166

i **Note:** Connecting elements St (UMB) and St provide the same connecting dimensions as the previous model UNIFLEX 060. Order: Please contact us. We will willingly advise you.

Notes

Inside heights



Inside widths



kabelschlepp.de

Fon: +49 2762 4003-0

OnlineEngineer.de
TSUBAKI KABELSCHLEPP
Cable Center Engineering 

Inside
heightsInside
widths
kabelschlepp.de

 Fon:
+49 2762 4003-0

 Use our free
project planning service.

TKA55


 Pitch
55.5 mm

 Height
45 mm

 Width
50 – 175 mm

Stay variants

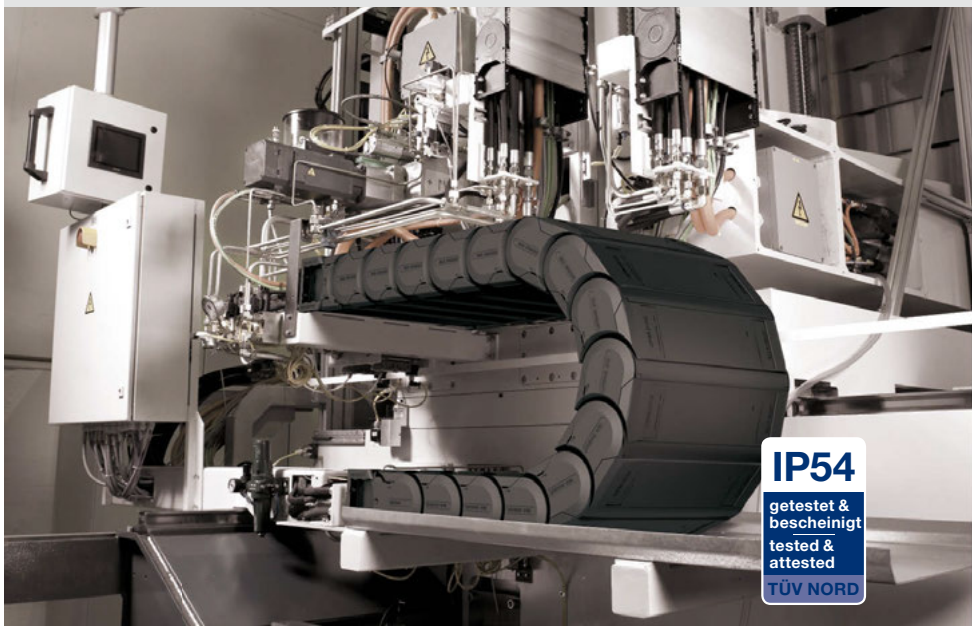
Stay variant 060

Inside: Quick-to-open cover



Stay variant 080

Outside: Quick-to-open cover


IP54

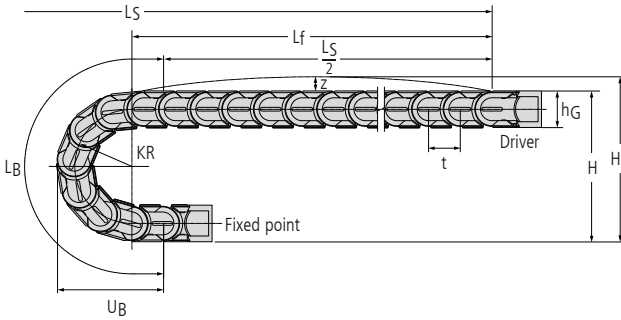
 getestet &
bescheinigt
tested &
attested

TÜV NORD

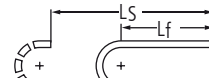

 Spare parts list, installation instructions, etc.:
Receive additional info at kabelschlepp.de

TUBE SERIES | TKA55

Unsupported arrangement



Unsupported length Lf



A sag of the cable carrier is technically permissible for extended movement ranges, depending on specific application.

Inside heights



Inside widths



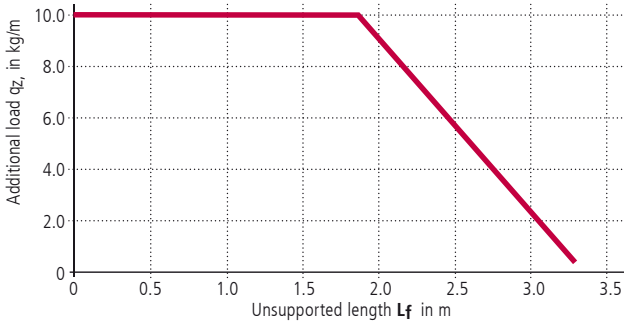
LS max. [m]	Dynamics				t [mm]	z [mm/m]
	vmax [m/s]		amax [m/s]			
	unsupported	gliding	unsupported	gliding		
150	8	3	40	15	55.5	17

Installation measurements unsupported

KR [mm]	H [mm]	H _Z [mm]	L _B [mm]	U _B [mm]
100	264	304	425	188
120	304	344	488	208
140	344	384	551	228
170	414	454	645	258
195	454	494	725	283
225	514	554	818	313
250	564	604	896	338
300	664	704	1211	388

Load diagram

for unsupported length L_f depending on the additional load



Calculation of the chain length

Chain length L_k

$$L_k \approx \frac{L_S}{2} + L_B$$

Chain length L_k rounded off to pitch t

Unsupported length L_f

$$L_f = \frac{L_S}{2} + t$$

kabelschlepp.de

Fon: +49 2762 4003-0

OnlineEngineer.de
Hersteller-KABELSCHLEPP
 Cable Carrier Configurator

TUBE SERIES | TKA55

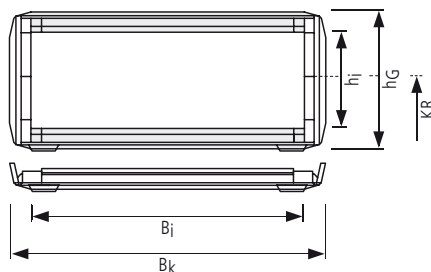
Stay variant 060 –

covered on both sides with detachable covers on the inside

Inside
heightsInside
widths
kabelschlepp.de

Pitch, inside height and chain link height

Type	t [mm]	h _i [mm]	h _G [mm]
TKA55.060	55.5	45	64



Fon:
+49 2762 4003-0

Inside/outside width and intrinsic chain weight

Type	B _i [mm]	B _k [mm]	q _k [kg/m]
TKA55.060	50	70	1.95
TKA55.060	75	95	2.22
TKA55.060	100	120	2.51
TKA55.060	125	145	2.78
TKA55.060	150	170	3.10
TKA55.060	175	195	3.46

TUBE SERIES | TKA55

Stay variant 080 –

covered on both sides with detachable covers on the outside



Inside heights



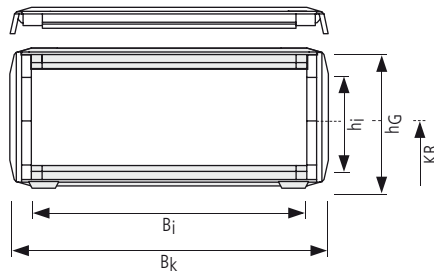
Inside widths



kabelschlepp.de

Pitch, inside height and chain link height

Type	t [mm]	h _i [mm]	h _G [mm]
TKA55.080	55,5	45	64



Fon: +49 2762 4003-0

Inside/outside width and intrinsic chain weight

Type	B _i [mm]	B _k [mm]	q _k [kg/m]
TKA55.080	50	70	1.95
TKA55.080	75	95	2.22
TKA55.080	100	120	2.51
TKA55.080	125	145	2.78
TKA55.080	150	170	3.10
TKA55.080	175	195	3.46

TUBE SERIES | TKA55

Inside heights



Inside widths



Divider systems

In the standard version, dividers or the complete divider system (dividers with height separation) can be moved in the cross section (**Version A**).

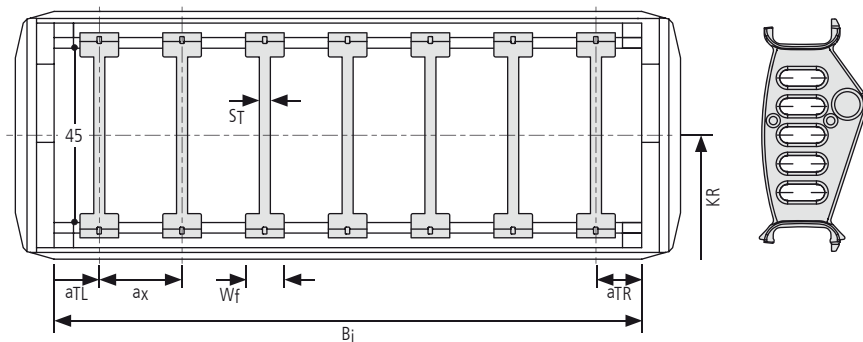
For applications with transverse accelerations and where the carrier is rotated through 90° the dividers can be fixed simply by turning them. This causes the arresting cams to engage in the locking profiles of the covers (**Version B**).

Moveable divider
Version A (standard)Fixable divider (2 mm grid)
Version B

kabelschlepp.de

Divider system TS0 without height separation

ST [mm]	Wf [mm]	Version A moveable		Version B fixable		
		aTL/aTR min [mm]	ax min [mm]	aTL/aTR min [mm]	ax min [mm]	ax grid [mm]
3	10	45	10	13.5	10	2



Fon:
+49 2762 4003-0

Use our free
project planning service.

TUBE SERIES | TKA55

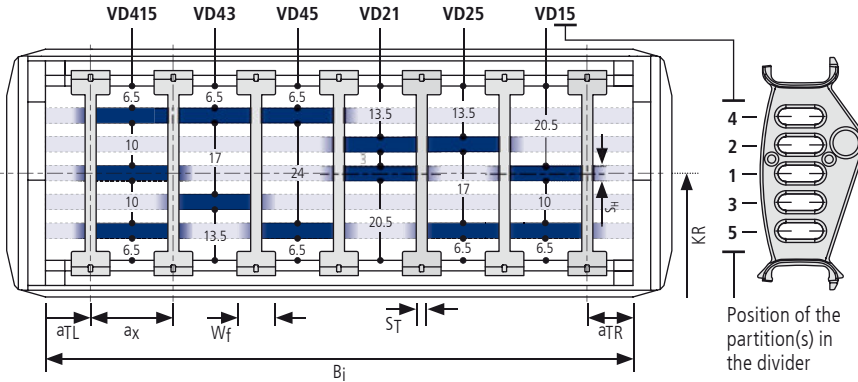
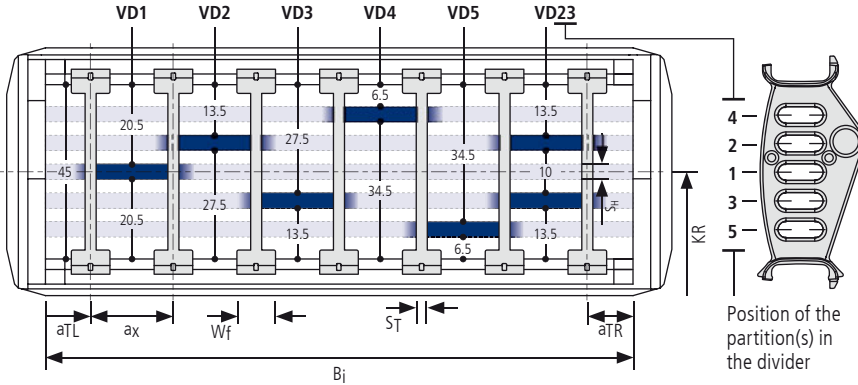
Divider system TS1 with continuous height separation made of aluminum

ST [mm]	Wf [mm]	SH [mm]	aTL/aTR max [mm]	Version A moveable		Version B fixable		
				aTL/aTR min [mm]	ax min [mm]	aTL/aTR min [mm]	ax min [mm]	ax grid [mm]
3	10	4	40	5	10	13.5	10	2

Inside heights



Inside widths



Note: For order example and notes for ordering, refer to page 275.

kabelschlepp.de

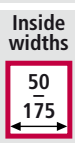
Fon: +49 2762 4003-0

OnlineEngineer.de
the online engineer for
 Cable Carrier Configuration

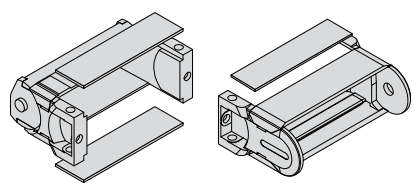
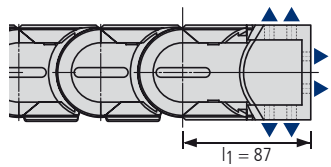
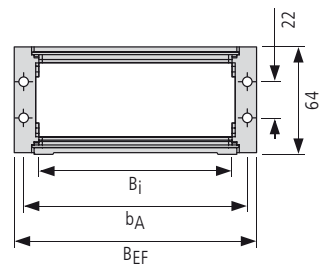
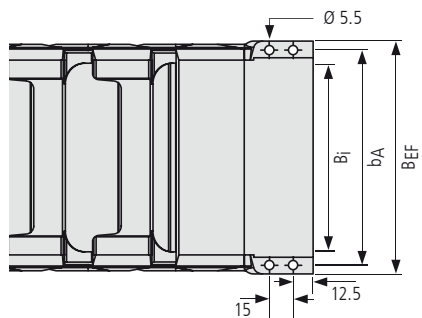
TUBE SERIES | TKA55

Universal mounting brackets (UMB)

The universal mounting brackets (UMB) are made from plastic and can be mounted from above, from below or at the front.



kabelschlepp.de



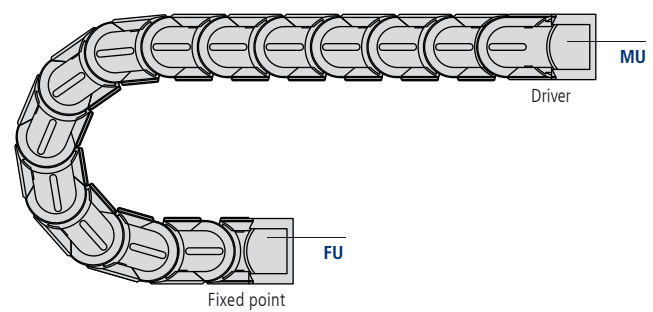
▲ Assembly options

i Note: The connecting elements are also available as an option **without** cover plate. Please state when ordering.

Connection dimensions

B_i [mm]	b_A [mm]	B_{EF} [mm]	B_i [mm]	b_A [mm]	B_{EF} [mm]
50	63	74	125	138	149
75	88	99	150	163	174
100	113	124	175	188	199

i The connection dimensions for fixed point and driver are identical. When ordering, please specify the connection type (see order key on page 275).



Fon: +49 2762 4003-0

Use our free project planning service.

TUBE SERIES | TKA55

Both-sided strain relief combs made of plastic

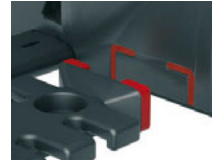
The cables can be fixed securely and simply using the **optional strain relief combs**. The strain relief combs are installed between the UMBs, and do not need to be bolted on separately or mounted on a C-rail. **When ordering, please state if strain relief combs are required.**

B _i [mm]	n _z
50	3
75	5
100	7
125	9
150	11
175	13

n_z = Number of teeth on one side of the comb



UMB connection piece with optional strain relief comb



Fixing in the UMB

Inside heights



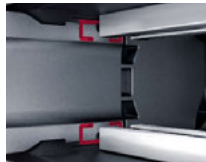
Inside widths



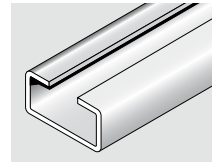
kabelschlepp.de

C-rails for LineFix bracket clamps, SZL strain reliefs and clamps

The optional C-rails are fixed by means of the universal mounting brackets and do not have to be screwed separately. **When ordering, please state if C-rails are required.**



UMB with C-rails. The UMB connections have receptacles at the top and bottom for attachment of the C-rail.



Integrated C-rail.
25 x 10 mm, slot width 11 mm, material steel, Item No. 3931

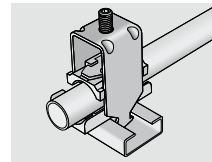
Fon: +49 2762 4003-0

Our LineFix strain reliefs are very well suited for the C-rails (LineFix bow clamps and other strain reliefs – refer to Chapter Accessories, from Page 381).

Note: LineFix strain reliefs can only be used in the connecting elements without cover plate.



C-rail with LineFix strain relief



OnlineEngineer.de
 Ihr KABELSCHLEPP
 Cable Center-Experte

TUBE SERIES | TKA55

Inside heights



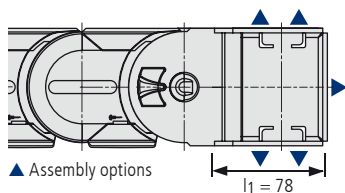
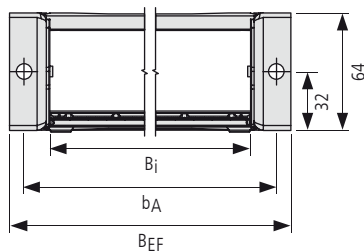
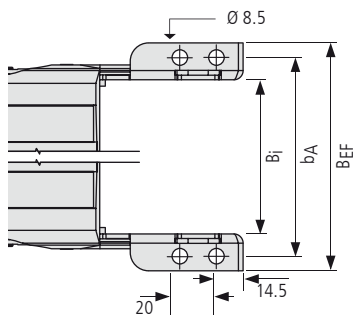
Inside widths



kabelschlepp.de

Universal mounting brackets St (UMB)

The universal mounting brackets (UMB) are made from zinc plated steel and can **be mounted from above, from below or at the front.**



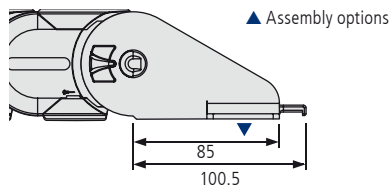
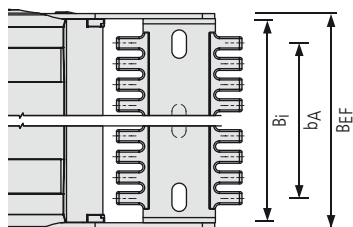
▲ Assembly options

i The connection dimensions for fixed point and driver are identical. When ordering, please specify the connection type (see order key on page 275).

i **Note:** The connecting elements are also available as an option **with** cover plate. Please state when ordering.

Connecting elements St

The connecting elements are made from zinc plated steel. Depending on the application the connection type (**above or below**) can be altered simply by turning them.



▲ Assembly options

i The connecting element St are delivered as standard with strain relief comb made from plastic.

Fon: +49 2762 4003-0

Use our free project planning service.

Connection dimensions

Bi [mm]	St (UMB)			St		Bi [mm]	St (UMB)			St	
	bA [mm]	BEF [mm]	bA [mm]	BEF [mm]	bA [mm]		BEF [mm]	bA [mm]	BEF [mm]		
50	78	94	30	70	125	153	169	105	145		
75	103	119	55	95	150	178	194	130	170		
100	128	144	80	120	175	203	219	155	195		

i **Note:** Connecting elements St (UMB) and St provide the same connecting dimensions as the previous model UNIFLEX 060. Order: Please contact us. We will willingly advise you.

TUBE SERIES | TKA Series

Ordering

Ordering example cable carrier

Cable carrier

. . . -
 Type Stay variant Bj [mm] KR [mm] LK [mm]

Inside heights



Inside widths



Ordering example divider system

Divider system without height separation

. /
 Divider system Version nT

Please state the designation of the divider system (TS0, TS1), the version and number of dividers required.

Divider system with height separation

. / /
 Divider system Version nT Height separation

When ordering the fixed version (version B), please indicate the position of the dividers (sketch). Where a continuous height separations is required (TS1), please also indicate their positions (e.g. VD23, or add a sketch).

kabelschlepp.de

Ordering example connection elements

Connection

/
 Fixed point Driver

See online for additional product information

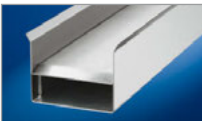
Spare parts list, installation instructions, etc.:
 Receive additional info at kabelschlepp.de

Configure your custom cable carrier system:
onlineengineer.de



Guide channels

■ from page 375



Strain relief devices

■ from page 381



Cables for cable carrier systems

■ from page 438



Fon: +49 2762 4003-0

OnlineEngineer.de
 Ihr Kabelschlepp-Experte
 Cable Carrier Configurator