

- 1 End connectors with optional strain relief
- 2 Interior gentle on the cables without projecting edges
- 3 Integrated noise damping
- 4 Dividers and height separations for separating the cables
- 5 Quick and easy opening from any position
- 6 Secure cover attachment even under severe stresses (e.g. from hydraulic lines)
- 7 Chain links made of glass-fiber reinforced plastic
- 8 Bolt/hole connection and stroke system covered completely
- 9 Designs with inward or outward opening crossbars
- 10 Covers completely detachable on one side
- 11 Cover sheet for universal end connectors

Features

- » Excellent cable protection in the connector area
- » Chip and dirt resistant due to smooth surfaces
- » Extensive unsupported length
- » High torsional rigidity
- » Low noise emission
- » Numerous custom material types for custom applications available
- » Easy-to-open cover with simultaneously high retention force on the chain link during operation
- » Measurement scale for easy alignment of the dividers
- » TKA55: IP54 tested and certified*



















TKR eries



Optimized utilization of the interior space; vertical and horizontal inner distribution possible



Easy-open covers from any position offer secure fastening



Triple-stroke system for extensive unsupported length



Universal end connector with option for integrating strain relief elements

Subject to change without notice.







QUANTUM® series



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Туре	Opening variant	Stay variant	h _i [mm]	h _G [mm]	B _i [mm]	B _k [mm]	B _i - grid [mm] Xmm ←	t [mm]	KR [mm]	Additional load ≤ [kg/m]	Cable- d _{max} [mm]
TKA30		060	20.5	28.5	15 – 65 15 – 65	28 - 78 28 - 78	-	30.5 30.5	55 – 180 55 – 180	3	16
TKA38		060	26	36 36	25 - 130 25 - 130	41 - 146 41 - 146	-	38.5	70 - 230 70 - 230	5	20 20
TKA45		060	36 36	50 50	50 - 150 50 - 150	66 - 166 66 - 166	-	45.5 45.5	82 - 230 82 - 230	6	28.5
TKA55		060	45 45	64 64	50 - 250 50 - 250	70 - 270 70 - 270	-	55.5 55.5	100 - 300	15 15	36

TKA series | Overview

	Unsuppo	rted arrai	ngement	Glidin	g arrange	ment	I	nner Dis	tribution	1	Mo	oveme		Page		
	Travel length ≤ [m]	v _{max} ≤[m/s]	a max ≤ [m/s ²]	Travel length ≤ [m]	v _{max} ≤[m/s]	a max ≤ [m/s ²]	TS0	TS1	TS2	TS3	vertical hanging or standing	lying on the side	rotating arrangement	ä		PROTUM [®] series
			<u></u>	C		<u></u>					ver	Ē				
	3.5	10	50	80	2.5	25		•	_	_	•	•	_	574		K series
	3.5	10	50	80	2.5	25			_	_		•		 575		
	0.0	10			2.0						-					UNIFLEX Advanced series
	3.9	10	50	120	2.5	20			_	_			_	580		
	3.9	10	50	120	2.5	20	•	•	-	-	•	•	-	581		M series
	4.7	9	45	125	3	20		•	-		•	•	-	586		TKHD series
	4.7	9	45	125	3	20	•	•	-	•	•	•	-	587		. 03
-																SS
																XL series
	6.5	8	40	150	3	15	•	•	-	•	•	•	-	594		
	6.5	8	40	150	3	15	•	•	-	•	•	•	-	595		UM®
																QUANTUM® series
															H	

TKR series

TKA series

TKA30



Pitch 30.5 mm





Inner widths 15 - 65 mm



Bending radii 55 - 180 mm

Stay variants



Design 060 page **574**

Covered on both sides with inside detachable cover

- » Plastic cover for rough environmental conditions with dirt. chips or spray water.
- » Fully detachable on one side in any position.
- » Inside: very quick release.



Design 080 page **575**

Covered on both sides with outside detachable cover

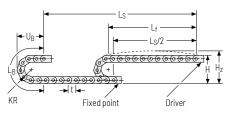
- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Outside: very quick release.

PR0TUM® series

UNIFLEX dvanced series

TKA30 | Installation dim. | Unsupported · Gliding

Unsupported arrangement



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

Load diagram for unsupported length depending on the additional load.

Sagging of the cable carrier is technically permitted for extended travel lengths, depending on the specific applica-

Intrinsic cable carrier weight $q_k = 0.67 \text{ kg/m}$ at $B_i 50 \text{ mm}$. For other inner widths, the maximum additional load changes.



Speed up to 10 m/s

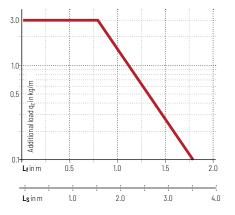
Travel length up to 3.5 m



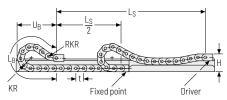
Acceleration up to 50 m/s²



Additional load up to 3 ka/m



Gliding arrangement





Speed





The gliding cable carrier has to be routed in a channel. See p. 842.



up to 2.5 m/s



Additional load up to 3 kg/m



Travel length up to 80 m

Subject to change without notice.

UAT

QUANTUM® series

TKR series

TKA30.060 | Dimensions · Technical data

PR0TUM® series

K series

UNIFLEX Advanced series

> M series

TKHD series

XL series

QUANTUM® series

TKR series

TKA series **Stay variant 060 –** covered on both sides with inside detachable cover

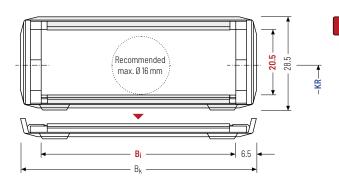
- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Inside: very quick release.





Stay arrangement on each chain link (VS: fully-stayed)





The maximum cable diameter strongly depends on the bending radius and the desired cable type.

Please contact us.

Calculating the cable carrier length

Cable carrier length Lk

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

 $\begin{array}{c} \text{Cable carrier length } L_k \\ \text{rounded to pitch } t \end{array}$

[r	h i mm]	h _G [mm]		E [m	i m]		B _k [mm]		K [m	R m]		q k [kg/m]
2	20,5	28.5					B _i + 13					0.48 - 0.76



Stay variant 080 – covered on both sides with outside detachable cover

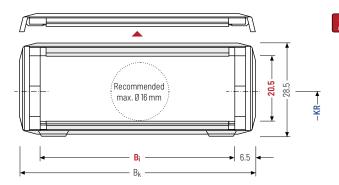
- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Outside: very quick release.





Stay arrangement on each chain link (VS: fully-stayed)





The maximum cable diameter strongly depends on the bending radius and the

desired cable type. Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

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

Cable carrier length L_k rounded to pitch t

180

[kg/m]

0.48 - 0.76

h _i [mm]	h _G [mm]		B [m	i m]			B _k [mm]			l [n	KR nm	n]	
20,5							B _i + 13						

Order example



K eries

UNIFLEX Advanced series

> M series

TKHD series

XL series

QUANTUM® series PROTUM® series

K series

UNIFLEX Advanced series

> ⊼ eries

QUANTUM® series

TKA30 | Inner distribution | TS0 · TS1

Divider systems

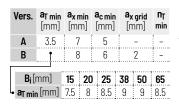
As a standard, the divider system is mounted on every 2^{nd} chain link.

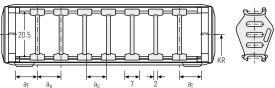
As a standard, dividers or the complete divider system (dividers with height separations) are movable in the cross section (version A).

The dividers are easily attached to the stay for applications with transverse accelerations and for applications laying on the side by simply turning them.

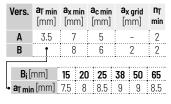
The locking cams click into place in the locking grids in the covers (version B).

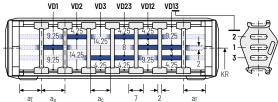
Divider system TSO without height separation



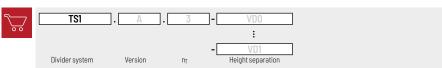


Divider system TS1 with continuous height separation





Order example

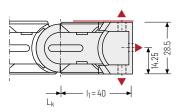


Please state the designation of the divider system (TS0, TS1...), version and number of dividers per cross section $[n_T]$.

If using divider systems with height separation **(TS1)** please also state the positions [e.g. VD1] viewed from the left driver belt. You are welcome to add a sketch to your order.

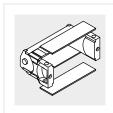
TKA series

The universal end connectors (UMB) are made from plastic and can be mounted from the top, from the bottom, or face on.

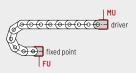


▲ Assembly options

Recommended tightening torque: 3 Nm for cheesehead screws ISO 4762 - M4 x 12



The end connectors are also available as an option without cover sheets. Please state when ordering.



Connection point

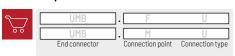
F - fixed point

M - driver

Connection type

U - Universal mounting bracket

Order example





We recommend the use of strain reliefs before driver and fixed point. See from p. 902.

TKA38



Pitch 38.5 mm



Inner height 26 mm



Inner widths 25 - 130 mm



Bending radii 70 – 230 mm

Stay variants



Design 060.....page **580**

Covered on both sides with inside detachable cover

- » Plastic cover for rough environmental conditions with dirt. chips or spray water.
- » Fully detachable on one side in any position.
- » Inside: very quick release.



Design 080 page **581**

Covered on both sides with outside detachable cover

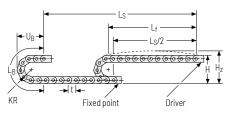
- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Outside: very quick release.

PR0TUM® series

UNIFLEX Advanced series

TKA38 | Installation dim. | Unsupported · Gliding

Unsupported arrangement



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

Load diagram for unsupported length depending on the additional load.

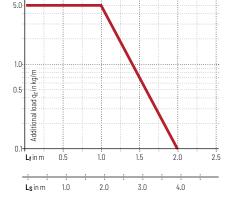
Sagging of the cable carrier is technically permitted for extended travel lengths, depending on the specific applica-

Intrinsic cable carrier weight $q_k = 1.13 \text{ kg/m}$ at $B_i 78 \text{ mm}$. For other inner widths, the maximum additional load changes.

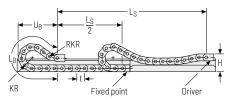








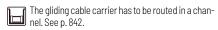
Gliding arrangement





Speed up to 2.5 m/s







Travel length up to 120 m



Additional load up to 5 kg/m

QUANTUM® series

TKR series

TKA38.060 | Dimensions · Technical data

PROTUM® series

K series

UNIFLEX Advanced series

> M series

TKHD series

XL series

QUANTUM® series

TKR

TKA series **Stay variant 060 –** covered on both sides with inside detachable cover

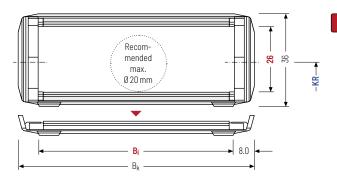
- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Inside: very quick release.





Stay arrangement on each chain link (VS: fully-stayed)





The maximum cable diameter strongly depends on the bending radius and the desired cable type.
Please contact us.

Calculating the cable carrier length

Cable carrier length Lk

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

 $\begin{array}{c} \text{Cable carrier length } L_k \\ \text{rounded to pitch } t \end{array}$

h _i	h _G	B i	B _k	KR	q k
[mm]	[mm]	[mm]	[mm]	[mm]	[kg/m]
26		25 38 58 78 103 130		70 95 120 145 170 195 230	0.77 - 1.47



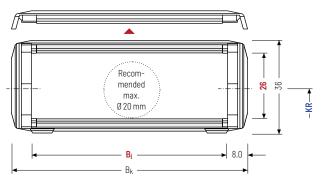
- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Outside: very quick release.





Stay arrangement on each chain link (VS: fully-stayed)





The maximum cable diameter strongly depends on the bending radius and the desired cable type.

Please contact us.

Calculating the cable carrier length

Cable carrier length L_k

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

Cable carrier length L_k rounded to pitch t

h _i	h _G	B_i	B _k	KR	q_k
[mm]	[mm]	[mm]	[mm]	[mm]	[kg/m]
				70 95 120 145 170 195 230	

Order example









XL series PROTUM® series

K series

UNIFLEX Advanced series

⊼ eries

QUANTUM® series

TKR series

Divider systems

As a standard, the divider system is mounted on every 2nd chain link.

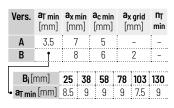
TKA38 | Inner distribution | TS0 · TS1

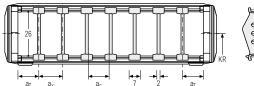
As a standard, dividers or the complete divider system (dividers with height separations) are movable in the cross section (version A).

The dividers are easily attached to the stay for applications with transverse accelerations and for applications laying on the side by simply turning them.

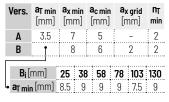
The locking cams click into place in the locking grids in the covers (version B).

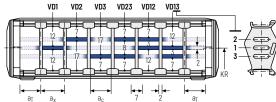
Divider system TSO without height separation



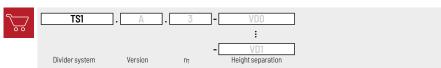


Divider system TS1 with continuous height separation





Order example



Please state the designation of the divider system (TSO, TS1...), version and number of dividers per cross section $[n_T]$.

If using divider systems with height separation (TS1) please also state the positions [e.g. VD1] viewed from the left driver belt. You are welcome to add a sketch to your order.

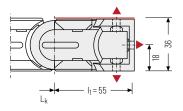
TKA series

PR0TUM® series

TKA38 | End connectors | UMB

Universal end connectors UMB - plastic (standard)

The universal end connectors (UMB) are made from plastic and can be mounted from the top, from the bottom, or face on.

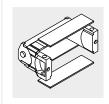


Bi-22

▲ Assembly options

Recommended tightening torque: 3 Nm for cheesehead screws ISO 4762 - M4 x 20

B i [mm]	B_{EF} [mm]	n _z
25	43	2
38	56	3
58	76	5
78	96	7
103	121	9
130	148	11



The end connectors are also available as an option without cover sheets. Please state when ordering.



Connection point

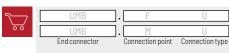
F - fixed point

M - driver

Connection type

U - Universal mounting bracket

Order example



UNIFLEX Advanced series

M eries

QUANTUM® series

TKR series

TKA45



Pitch 45.5 mm



Inner height 36 mm



Inner widths 50 - 150 mm



Bending radii 82 - 230 mm

Stay variants



Design 060.....page **586**

Covered on both sides with inside detachable cover

- » Plastic cover for rough environmental conditions with dirt. chips or spray water.
- » Fully detachable on one side in any position.
- » Inside: very quick release.



Design 080 page **587**

Covered on both sides with outside detachable cover

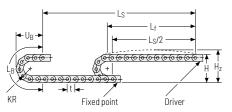
- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Outside: very quick release.

PR0TUM® series

UNIFLEX Advanced series

TKA45 | Installation dim. | Unsupported · Gliding

Unsupported arrangement



KR [mm]	H [mm]	H _z [mm]	L _B	U _B
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 depending on the additional load.

Sagging of the cable carrier is technically permitted for extended travel lengths, depending on the specific applica-

Intrinsic cable carrier weight $q_k = 2.29 \text{ kg/m}$ at B_i 150 mm. For other inner widths, the maximum additional load changes.



Speed up to 9 m/s

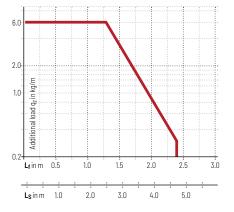
Travel length up to 4.7 m



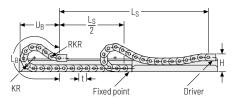
Acceleration up to 45 m/s²



Additional load up to 6 ka/m



Gliding arrangement





Speed up to 3 m/s



Acceleration up to 20 m/s2



The gliding cable carrier has to be routed in a channel. See p. 842.



Travel length up to 125 m



Additional load up to 6 kg/m

QUANTUM® series

TKR series

TKA45.060 | Dimensions · Technical data

PR0TUM® series

K series

UNIFLEX Advanced series

> M series

TKHD series

XL series

QUANTUM® series

TKR

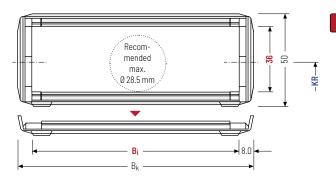
TKA series **Stay variant 060 –** covered on both sides with inside detachable cover

- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Inside: very quick release.









The maximum cable diameter strongly depends on the bending radius and the desired cable type.

Please contact us.

Calculating the cable carrier length

Cable carrier length Lk

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

 $\begin{array}{c} \text{Cable carrier length } L_k \\ \text{rounded to pitch } t \end{array}$

h _i [mm]	h _G [mm]		B _i [mm]		B _k [mm]		KR [mm]		q_k [kg/m]
36	51	50						170 200	1.34 - 2.29



Stay variant 080 – covered on both sides with outside detachable cover

» Plastic cover for rough environmental conditions with dirt, chips or spray water.

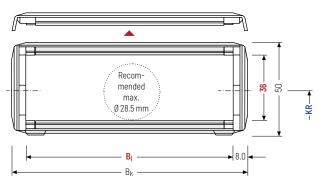
- » Fully detachable on one side in any position.
- » Outside: very quick release.





Stay arrangement on each chain link (VS: fully-stayed)





The maximum cable diameter strongly depends on the bending radius and the desired cable type.

Please contact us.

Calculating the cable carrier length

Cable carrier length Lk

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

Cable carrier length L_k rounded to pitch t

h _i h _G	B _i	B_k	KR	q_k
[mm] [mm]	[mm]	[mm]	[mm]	[kg/m]
36 51	50 75 100 125 150	B _i + 16	82 95 125 145 170 200 230	1.34 - 2.29





5 문 ~







TKA45 | Inner distribution | TS0 · TS1

PROTUM® series

K series

UNIFLEX Advanced series

M eries

⊼ eries

QUANTUM® series

TKR eries

TKA series

Divider systems

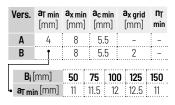
The divider system is mounted on every 2nd chain link as a standard.

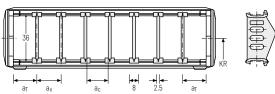
As a standard, dividers or the complete divider system (dividers with height separations) are movable in the cross section (version A).

The dividers are easily attached to the stay for applications with transverse accelerations and for applications laying on the side by simply turning them.

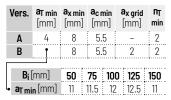
The locking cams click into place in the locking grids in the covers (version B).

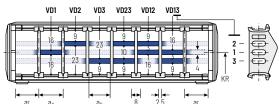
Divider system TSO without height separation



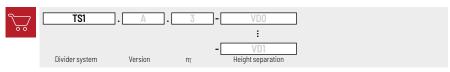


Divider system TS1 with continuous height separation





Order example



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

If using divider systems with height separation (TS1) please also state the positions [e.g. VD1] viewed from the left driver belt. You are welcome to add a sketch to your order.

Divider system TS3 with height separation consisting of plastic partitions

As a standard, the divider **A** is used for vertical partitioning within the cable carrier. The complete divider system can be moved within the cross section. **(version A)**.

The dividers are easily attached to the stay for applications with transverse accelerations and for applications laying on the side by simply turning them.

The locking cams click into place in the locking grids in the covers (version B).

Divider version A



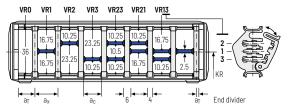
End divider

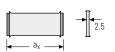


Vers.	a_{T min}	a _{x min}	a _{c min}	N _T
	[mm]	[mm]	[mm]	min
Α	4/2*	14	10	2

* For End divider

The dividers are fixed by the partitions, the complete divider system is movable in the cross section.

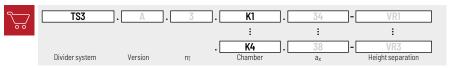




	a _x (center distance of dividers) [mm]																
	a _c (nominal width of inner chamber) [mm]																
1	4	16	19	23	24	28	29	32	33	34	38	39	43	44	48	49	54
1	0	12	15	19	20	24	25	28	29	30	34	35	39	40	44	45	50
5	8	59	64	68	69	74	78	79	80	84	88	89	94	96	99	112	
5	4	55	60	64	65	70	74	75	76	80	84	85	90	92	95	108	

When using partitions with $a_x > 49 \ mm$ we recommended an additional preferential central support.

Order example



Please state the designation of the divider system **(TS0, TS1...)**. version and number of dividers per cross section $[n_{\overline{1}}]$. In addition, please also enter the chambers [K] from left to right, as well as the assembly distances $[a_{\overline{1}}/a_{\chi}]$ (as seen from the driver).

If using divider systems with height separation **(TS1, TS3)** please also state the positions [e.g. VD23] viewed from the left driver belt. You are welcome to add a sketch to your order.

PROTUM® series

> A Series

UNIFLEX Advanced series

> M series

TKHD series

XL series

QUANTUM®

TKR eries

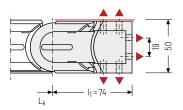
± KΑ

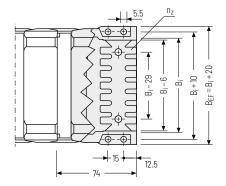
Subject to change without notice.



Universal end connectors UMB - plastic (standard)

The universal end connectors (UMB) are made from plastic and can be mounted from the top, from the bottom, or face on.

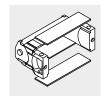




▲ Assembly options

Recommended tightening torque: 5 Nm for cheesehead screws ISO 4762 - M5 x 8.8

B i [mm]	B_{EF} [mm]	n _z
50	70	2 x 3
75	95	2 x 5
100	120	2 x 7
125	145	2x 9
150	170	2 x 11



The end connectors are also available as an option without cover sheets. Please state when ordering.



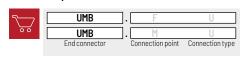
Connection point

F - fixed point

M - driver

Connection type

U - Universal mounting bracket



TKA55



Pitch 55.5 mm



Inner height 45 mm



Inner widths 50 - 250 mm



Bending radii 100 – 300 mm

Stay variants



Design 060.....page **594** Covered on both sides with inside detachable cover

- » Plastic cover for rough environmental conditions with dirt. chips or spray water.
- » Fully detachable on one side in any position.
- » Inside: very quick release.



Design 080 page **595**

Covered on both sides with outside detachable cover

- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Outside: very quick release.

PR0TUM® series

UNIFLEX dvanced series

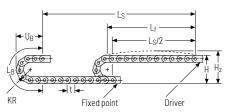
⊼ series

QUANTUM® series

TKR series

TKA55 | Installation dim. | Unsupported · Gliding

Unsupported arrangement

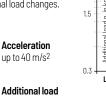


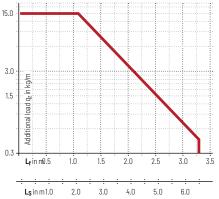
KR [mm]	H [mm]	H _z [mm]	L _B [mm]	U _B [mm]
100	264	304	425	188
120	304	344	488	208
140	344	384	551	228
170	404	454	645	258
195	454	494	725	283
225	514	554	818	313
250	564	604	896	338
300	664	704	1211	388

Load diagram for unsupported length depending on the additional load.

Sagging of the cable carrier is technically permitted for extended travel lengths, depending on the specific application.

Intrinsic cable carrier weight $q_k = 1.95 \text{ kg/m}$ at $B_i 50 \text{ mm}$. For other inner widths, the maximum additional load changes.





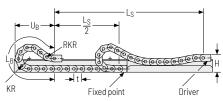
Speed up to 8 m/s





up to 15 kg/m

Gliding arrangement





Speed





The gliding cable carrier has to be routed in a channel. See p. 842.

up to 3 m/s



Additional load up to 15 kg/m



Travel length up to 150 m

UAT

Subject to change without notice.

TKA55.060 | Dimensions · Technical data

PR0TUM® series

> K eries

UNIFLEX Advanced series

> M series

TKHD series

XL series

QUANTUM® series

TKR

TKA series **Stay variant 060 –** covered on both sides with inside detachable cover

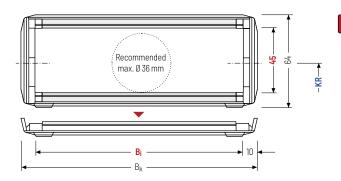
- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Inside: very quick release.





Stay arrangement on each chain link (VS: fully-stayed)





The maximum cable diameter strongly depends on the bending radius and the desired cable type.

Please contact us.

Calculating the cable carrier length

Cable carrier length Lk

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

Cable carrier length L_k rounded to pitch t

h _i [mm]	h _G [mm]		B i [mm]			B _k [mm]		KR [mm] 100 120 140 170			q k [kg/m]	
/.E	65		75 100	120	150	B _i + 20			140		1,95	
45	00	: :	200 225	250		Dj + 20	195	225	250	300	- 4.28	



Stay variant 080 – covered on both sides with outside detachable cover

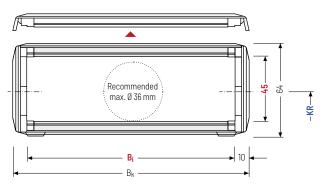
- » Plastic cover for rough environmental conditions with dirt, chips or spray water.
- » Fully detachable on one side in any position.
- » Outside: very quick release.





Stay arrangement on each chain link (VS: fully-stayed)





ĺį

The maximum cable diameter strongly depends on the bending radius and the desired cable type.
Please contact us.

Calculating the cable carrier length

Cable carrier length Lk

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

Cable carrier length L_k rounded to pitch t

hį	h _G			Bi			B_k		K	R		q _k
[mm]	[mm]			[mm]			[mm]	[mm]			[kg/m]	
/.E	65	50	75	100	125	150	B; + 20	100	120	140	170	
45	00	175	200	225	250		Dj + ZU	195	225	250	300	4,28

Order example













PROTUM® series

> K eries

UNIFLEX Advanced series

> M series

TKHD series

XL series

QUANTUM® series

TKR

TKA

PROTUM® series

K series

UNIFLEX Advanced series

TKA55 | Inner distribution | TS0 · TS1

Divider systems

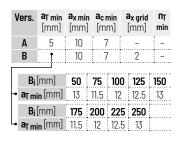
As a standard, the divider system is mounted on every 2nd chain link.

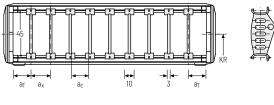
As a standard, dividers or the complete divider system (dividers with height separations) are movable in the cross section (version A).

The dividers are easily attached to the stay for applications with transverse accelerations and for applications laying on the side by simply turning them.

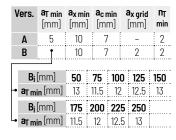
The locking cam's click into place in the locking grids in the covers (version B).

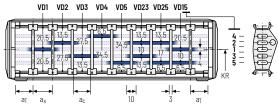
Divider system TSO without height separation



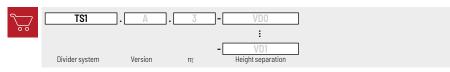


Divider system TS1 with continuous height separation





Order example



Please state the designation of the divider system (TS0, TS1...), version and number of dividers per cross section $[n_T]$.

If using divider systems with height separation **(TS1)** please also state the positions [e.g. VD1] viewed from the left driver belt. You are welcome to add a sketch to your order.

TKA series

TKR eries

⊼/ eries

QUANTUM® series

Divider system TS3 with height separation consisting of plastic partitions

As a standard, the divider **A** is used for vertical partitioning within the cable carrier. The complete divider system can be moved within the cross section. **(version A)**.

The dividers are easily attached to the stay for applications with transverse accelerations and for applications laying on the side by simply turning them.

The locking cams click into place in the locking grids in the covers (version B).

Divider version A



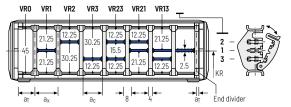
End divider

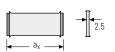


Vers.	a_{T min}	a _{x min}	a _{c min}	N _T
	[mm]	[mm]	[mm]	min
Α	4/2*	14	10	2

* For End divider

The dividers are fixed by the partitions, the complete divider system is movable in the cross section.

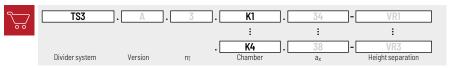




	a _x (center distance of dividers) [mm]															
	a _c (nominal width of inner chamber) [mm]															
14	16	19	23	24	28	29	32	33	34	38	39	43	44	48	49	54
10	12	15	19	20	24	25	28	29	30	34	35	39	40	44	45	50
58	59	64	68	69	74	78	79	80	84	88	89	94	96	99	112	
54	55	60	64	65	70	74	75	76	80	84	85	90	92	95	108	

When using partitions with $a_x > 49 \ mm$ we recommended an additional preferential central support.

Order example

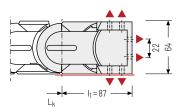


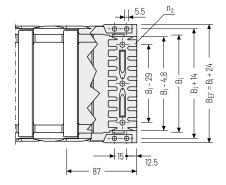
Please state the designation of the divider system **(TS0, TS1...)**. version and number of dividers per cross section $[n_{\overline{1}}]$. In addition, please also enter the chambers [K] from left to right, as well as the assembly distances $[a_{\overline{1}}/a_{x}]$ (as seen from the driver).

If using divider systems with height separation **(TS1, TS3)** please also state the positions [e.g. VD23] viewed from the left driver belt. You are welcome to add a sketch to your order.



The universal end connectors (UMB) are made from plastic and can **be mounted from the top, from the bottom, or face on.**

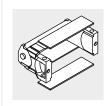




▲ Assembly options

Recommended tightening torque: 5 Nm for cheesehead screws ISO 4762 - M5 x 8.8

B i [mm]	B_{EF} [mm]	n _z
50	74	2 x 3
75	99	2 x 5
100	124	2 x 7
125	149	2 x 9
150	174	2 x 11
175	199	2 x 13
200	224	-
225	249	-
250	274	-



The end connectors are also available as an option **without** cover sheets. Please state when ordering.



Connection point

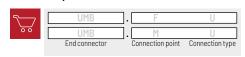
F - fixed point

M - driver

Connection type

U - Universal mounting bracket

Order example



UAT series