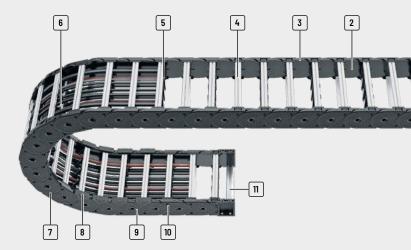


UAT eries



- 1 Aluminum stays available in 1 mm width sections
- 2 Favourable ratio of inner to outer width
- 3 Chain link plates made of at least 35 % pure regranulate
- 4 Quick and easy opening to the inside or outside for cable laying
- 5 Fixable dividers
- 6 Many separation options for the cables
- 7 Robust double-stroke system for long unsupported lengths
- 8 Replaceable glide shoes
- 9 Very quiet through integrated noise damping
- 10 Lateral wear surfaces

1

11 C-rail for strain relief elements

Features

- » Four designs: closed, and openable to the inner or outer side or to both sides
- » Good ratio of inner to outer width

Replaceable glide shoes -

optionally with automatic

wear monitoring

- » Easy assembly and fast cable laying
- » UMB connectors made of sturdy plastic (strengths comparable to aluminium)
- » Polygon-optimized bending radii for smooth and low-





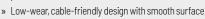












wear chain running



UMB connectors made of sturdy plastic (strengths comparable to aluminium)



Lateral wear surfaces - for long service life for applications where the carrier is rotated through 90°

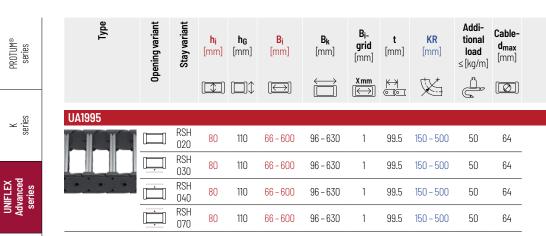


Rear grips at stopper for better force transmission and higher strengths

PROTUM® series

K series

UNIFLEX Advanced series | Overview



M series

XL series

QUANTUM® series

TKR series

TKA series

Subject to change without notice.

UNIFLEX Advanced series | Overview

Unsupported arrangement			Gliding arrangement			ı	nner Dis	tributio	n	M	Page		
Travel length ≤ [m]	v _{max} ≤[m/s]	a_{max} ≤[m/s ²]	$\begin{array}{c} \textbf{Travel} \\ \textbf{length} \\ \leq [m] \end{array}$	v _{max} ≤[m/s]	a_{max} $\leq [m/s^2]$	TS0	TS1	TS2	TS3	vertical hanging or standing	lying on the side	rotating arrangement	Pa
			$\stackrel{\longleftrightarrow}{\mathbb{C}}$					H		vertic	lying	arr	
9	10	25	200	8	20	•	-	-	•	•	•	•	340
9	10	25	200	8	20	•	•	-	•	•	•	•	341
9	10	25	200	8	20	•	•	-	•	•	•	•	342
9	10	25	200	8	200	•	•	-	•		•	•	343

UA1995









Stay variants



Design RSH 020 page 340

Closed frame

- » Aluminum profile bars for light to medium loads. Assembly without screws.
- » Outside/inside: not openable.



Design RSH 030 page 341

Frame with outside detachable stays

- » Aluminum profile bars for light to medium loads. Assembly without screws.
- » Outside: release by rotating 90°.



Design RSH 040.....page **342**

Frame with inside detachable stays

- » Aluminum profile bars for light to medium loads. Assembly without screws.
- » Inside: release by rotating 90°.

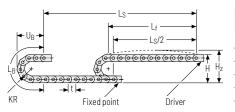


Design RSH 070 page 343

- Frame with outside and inside detachable stays » Aluminum profile bars for light to medium loads.
- Assembly without screws.
- » Outside/inside: release by rotating 90°.

PROTUM® series

Unsupported arrangement



Н	H_z	L_B	U_B
[mm]	[mm]	[mm]	[mm]
410	440	680	250
530	560	860	310
610	640	990	350
710	740	1150	400
810	840	1300	450
910	940	1460	500
1110	1140	1770	600
	[mm] 410 530 610 710 810 910	[mm] [mm] 410 440 530 560 610 640 710 740 810 840 910 940	[mm] [mm] [mm] 410 440 680 530 560 860 610 640 990 710 740 1150 810 840 1300 910 940 1460

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 $q_k = 3.85 \text{ kg/m}$ with B_i 196 mm. For other inner widths, the maximum additional load changes.



Speed up to 10 m/s

Travel length

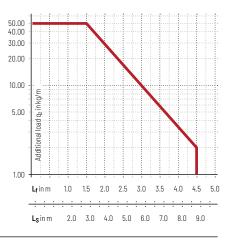
up to 9 m



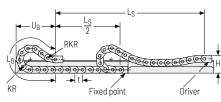
Acceleration up to $25 \,\mathrm{m/s^2}$



Additional load up to 50 ka/m



Gliding arrangement | G0 module with chain links optimized for gliding*



KR [mm]	H [mm]	GO-Modul RKR [mm]	L _B [mm]	U _B [mm]
150	330	400	1805	890
210	330	400	2180	1010
250	330	400	2390	1070
300	330	400	2690	1160
350	330	400	3090	1310
400	330	400	3490	1450
500	330	400	4280	1740



subject to change without notice.

Speed up to 8 m/s



Acceleration up to 20 m/s^2



Additional load up to 50 ka/m

The gliding cable carrier must be guided in a channel. See p. 842.

The GO module mounted on the driver is a defined sequence of 5 adapted KR/RKR link plates.

Glide shoes must be used for gliding applications.

Travel length up to 200 m



* only design 070

UAT

UA1995 RSH 020 | Dimensions · Technical data

ROTUM® series

K eries

UNIFLEX Advanced series

M series

series

XL series

QUANTUM® series

TKR series

TKA series

> UAT series

Stay variant RSH 020 -

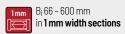
closed frame

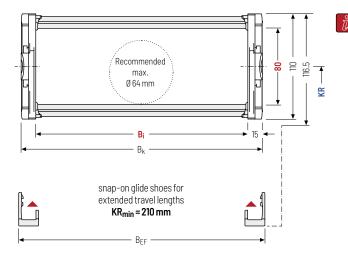
- » Aluminum profile bars for light to medium loads. Assembly without screws.
- » Available customized in 1 mm grid.
- » Outside/inside: not openable.





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

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

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

h _i	h _G	h _{G'}	B _i	B _k	B _{EF}	KR	q_k
[mm]	[mm]	[mm]	[mm]*	[mm]	[mm]	[mm]	[kg/m]
80	110	116.5	66 – 600	B _i + 30	B _i + 36	150 210 250 300 350 400 500	4.168 - 4.173

* in 1 mm width sections

Order example



UA1995 RSH 030 | Dimensions · Technical data

Stay variant RSH 030 -

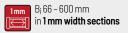
with outside detachable stays

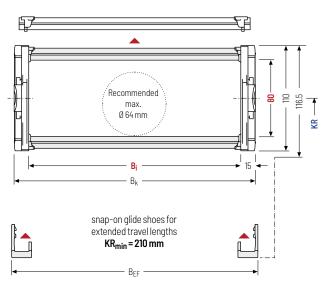
- » Aluminum profile bars for light to medium loads. Assembly without screws.
- » Available customized in 1 mm grid.
- » **Outside:** release by rotating 90°.





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





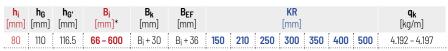
The maximum cable diameter strongly depends on the bending radius and the desired cable type.
Please contact us.

Calculating the cable carrier length

Cable carrier length Lk

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

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



^{*} in 1 mm width sections

Order example



PROTUM® series

> K series

Advanced series

M series

TKHD series

XL series

)UANTUM® series

TKR series

TKA eries

UA1995 RSH 040 | Dimensions · Technical data

PR0TUM® series

K series

UNIFLEX Advanced series

> M series

> > series

XL series

QUANTUM® series

TKR

TKA series **Stay variant RSH 040 –** with inside detachable stays

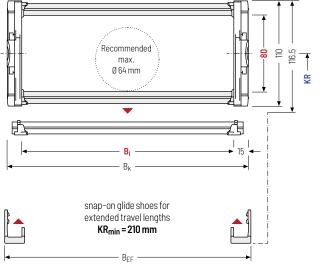
- » Aluminum profile bars for light to medium loads. Assembly without screws.
- » Available customized in 1 mm grid.
- » **Inside:** release by rotating 90°.





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.

Design RSH 040 is not suitable for a gliding arrangements without the use of gliding shoes.

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	h _{G'}	B _i	B _k	B _{EF}	KR	q_k
[mm]	[mm]	[mm]	[mm]*	[mm]	[mm]	[mm]	[kg/m]
80	110	116.5	66 – 600	B _i + 30	B _i + 36	150 210 250 300 350 400 500	4.192 - 4.197

^{*} in 1 mm width sections

Order example



UA1995 RSH 070 | Dimensions · Technical data

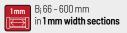
Stay variant RSH 070 – with outside and inside detachable stays

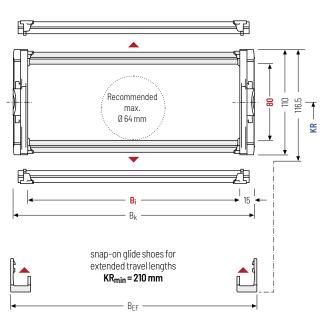
- » Aluminum profile bars for light to medium loads. Assembly without screws.
- » Available customized in 1 mm grid.
- » Outside/Inside: release by rotating 90°.





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.

Design RSH 070 is not suitable for a gliding arrangements without the use of gliding shoes.

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	h _{G'}	B _i	B _k	BEF	KR	q k
[mm]	[mm]	[mm]	[mm]*	[mm]	[mm]	[mm]	[kg/m]
80	110	116.5	66 – 600	B _i + 30	B _i + 36	150 210 250 300 350 400 500	4.211 - 4.216

^{*} in 1 mm width sections

Order example



PR0TUM[®] series

K series

Advanced

M series

> IKHU series

XL series

)UANTUM® series

TKR

TKA

UA1995 | Inner distribution | TS0 · TS1

PROTUM® series

∠ eries

QUANTUM® series

TKR series

TKA series

Divider systems

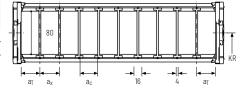
The divider system is mounted on every 2nd chain link as a standard.

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

For applications with lateral acceleration and lying on the side, the dividers can be attached by a fixing profile, available as an accessory (version B). The fixing profile must be installed at the factory.

Divider system TSO without height separation

[mm] [mm] [mm] [mm]	J min
A 10 16 12 -	-
B 10 17.5 13.5 2.5	-

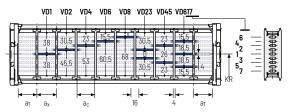


Number of dividers for design 020 depending on Bi

Divider system TS1 with continuous height separation*

Vers.				a_{x grid} [mm]	
Α	10	16	12	-	2
В	10	17.5	13.5	2.5	2
		•			•••••





Order example



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

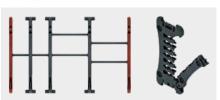
When using divider systems with height separation (TS1), please additionally state the position (e.g. VD1) viewed from the left driver belt. You are welcome to add a sketch to your order.

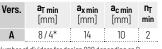
As a standard, the divider **version A** is used for vertical partitioning within the cable carrier. The complete divider system can be moved within the cross section.

Divider version A



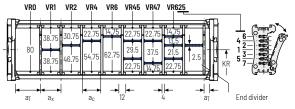
End divider

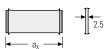




Number of dividers for design 020 depending on $B_{\hat{i}}$ * For End divider

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	

An additional central support is required when using plastic partitions with $a_x > 49 \text{ mm}$.

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.

PROTUM® series

> K series

Advanced

M series

TKHD series

XL series

)UANTUM®

TKR

TKA series

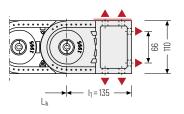
UAT series Subject to change without notice.

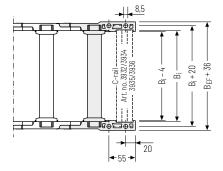
M eries

UAT series

Universal end connectors UMB - plastic (standard)

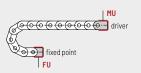
The universal mounting brackets (UMB) are made from plastic and can be mounted **from above, from below or on the face side**.





▲ Assembly options

Recommended tightening torque: 27 Nm for screws M8



Connection point

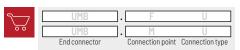
F - fixed point

M - driver

Connection type

U - Universal mounting bracket

Order example



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

Additional product information online



Installation instructions, etc.: Additional info via your smartphone or check online at

tsubaki-kabelschlepp.com/ downloads



Configure your cable carrier here: **online-engineer.de**