

- 1 Aluminum stays available in 1 mm width sections
- 2 Aluminum stavs with 4 screw-fixing points for extreme loads
- 3 Aluminum hole stays
- 4 Plastic rolling stays
- 5 Can be opened on the inside and the outside for installation of cables and hoses
- 6 Replaceable glide shoes
- 7 Sturdy end connectors made of steel
- 8 Flange connection

Features

- » Sizes/dimensions
- » Low intrinsic weight
- » Optimum force transmission via the large-surface stroke system (2 disc principle)
- » Plastic side bands in combination with aluminum stays
- » Versions with aluminum stays available in 1 mm width sections up to 1000 mm inner width

- » Large selection of stay systems and separating options for cables
- » Optionally with strain relief



















Bolted stays for maximum stability even for large cable carrier widths



Replaceable glide shoes for long service life for gliding applications



Sturdy end connectors made of steel (different connection variants)



Many separation options for the cables

Туре	Opening variant	Stay variant	h _i [mm]	h _G [mm]	B _i [mm]	B _k [mm]	B _{i−} grid [mm]	t [mm]	KR [mm]	Additional load ≤ [kg/m]	Cable- d _{max} [mm]
XL1650											
		RM	108	140	200 - 1000	268 - 1068	1	165	250 - 550	65	86
		LG	110	140	200 - 1000	268 - 1068	1	165	250 - 550	65	88
		RMR	108	140	200 - 1000	268 - 1068	1	165	250 - 550	65	84

^{*} Further information on request.



Also available as covered versions with covers system. More information can be found in chapter "XLT series" from page 658.

XL series | Overview

Unsuppo	rted arrai	ngement	t Gliding arrangement			l	Inner Distribution				Movement		
Travel length ≤ [m]	v _{max} ≤[m/s]	a_{max} $\leq [m/s^2]$	$\begin{array}{c} \textbf{Travel} \\ \textbf{length} \\ \leq [m] \end{array}$	v _{max} ≤[m/s]	a_{max} ≤[m/s ²]	TS0	TS1	TS2	TS3	vertical hanging or standing	lying on the side	rotating arrangement	Page
								H		vertica or	lyingo	arr	
11.75	4	25	350	2	2 - 3	•	-	-	•	•	•	•	454
11.75	4	25	350	2	2 - 3	-	-	-	-	•	•	•	*
11.75	4	25	350	2	2 - 3	•	-	-	-	•	•	•	*

XL1650









Stay variants



Aluminum stay RM.....page 454

Frame stay, solid

- » Aluminum profile bars for heavy loads and maximum cable carrier widths. Double threaded joints on both sides "Heavy Duty".
- » Inside/outside: Threaded joints easy to release.

Additional stay variants on request



Aluminum stay LG
Optimum cable routing in the neutral bending line.



Aluminum stay RMRGentle cable guiding with rollers.

PR0TUM® series

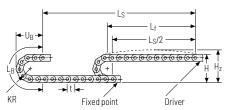
UNIFLEX dvanced series

QUANTUM® series

TKR series

TKA eries

UAT



KR [mm]	H [mm]	H _z [mm]	L _B [mm]	U _B [mm]
250	640	740	1115	485
300	740	840	1272	535
350	840	940	1430	585
400	940	1040	1587	635
450	1040	1140	1744	685
500	1140	1240	1901	735
550	1240	1340	2058	785

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 $q_k = 13 \text{ kg/m}$. For other inner widths, the maximum additional load changes.



up to 4 m/s

Travel length

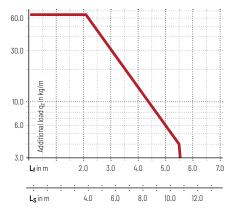
up to 11.75 m

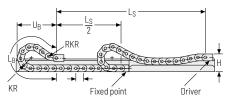


Acceleration up to $25 \,\mathrm{m/s^2}$



Additional load up to 65 ka/m





Speed up to 2 m/s



The gliding cable carrier must be guided in a channel. See p. 844.



Travel length up to 350 m



We recommend the use of glide shoes for gliding applications.



Our technical support can provide help for gliding arrangements: technik@kabelschlepp.de

UNIFLEX Advanced series

> M series

> QUANTUM® series

> TKR series

> TKA eries

XLC1650 RM | Dimensions · Technical data

Aluminum stay RM -

Frame stay, solid

- » Aluminum profile bars for heavy loads and maximum cable carrier widths. Double threaded joints on both sides "Heavy Duty".
- » Available customized in 1 mm grid.
- » Inside/outside: Threaded joints easy to release.

HEAVY DUTY

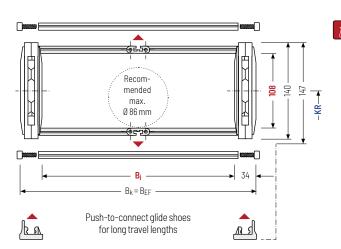


Stay arrangement on every 2nd chain link, **standard** (HS: half-stayed)





B_i 200 – 1000 mm in **1 mm width sections**



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	h gʻ	B _i	B _k	B _{EF}	KR			q k
[mm]	[mm]	[mm]	[mm]*	[mm]	[mm]	[mm]			[kg/m]
108	140	147	200 - 1000	B _i + 68	B _i + 68	250 300 35	50 400 450	500 550	10.5 - 15.3

^{*} in 1 mm width sections

Order example



UAT

Divider systems

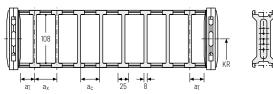
The divider system is mounted on each crossbar as a standard – on every 2nd chain link for stay mounting (HS).

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

Divider system TSO without height separation

Vers.	a_{T min} [mm]	a _{x min} [mm]	a _{c min} [mm]	n _{T min}
Α	6	25	17	-

The dividers can be moved in the cross section.

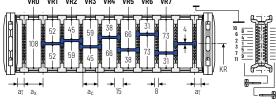


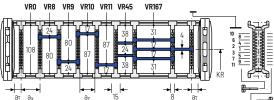
Divider system TS3 with height separation consisting of plastic partitions

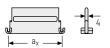
Vers.	a_{T min} [mm]	a _{x min} [mm]	a _{c min} [mm]	n _{T min}
Α	1	16 / 42*	8	2

* For aluminum partitions

The dividers are fixed with the partitions. The entire divider system can be moved in the cross section.





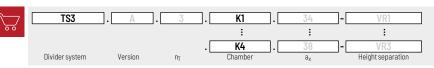


Aluminum partitions in 1 mm increments with $a_x > 42$ mm are also available.

	a_x (center distance of dividers) [mm]										
	a _c (nominal width of inner chamber) [mm]										
16	18	23	28	32	33	38	43	48	58	64	68
8	10	15	20	24	25	30	35	40	50	56	60
78	80	88	96	112	128	144	160	176	192	208	
70	72	80	88	104	120	136	152	168	184	200	

When using **plastic partitions with a_X > 112 \text{ mm}**, we recommend an additional center support with a **twin divider** ($S_T = 5 \text{ mm}$). Twin dividers are also suitable for retrofitting in the partition system.

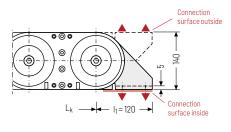
Order example

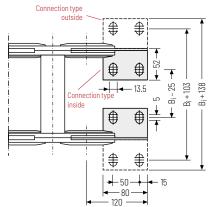


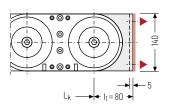
Please state the designation of the divider system (TS0, TS3), the version, and the number of dividers per cross section $[n_{\overline{1}}]$. In addition, please also enter the chambers [K] from left to right, as well as the assembly distances $[a_{\overline{1}}/a_{\overline{4}}]$.

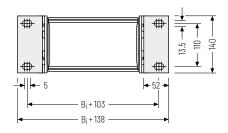
End connectors - steel

End connectors made of steel. The connection variants on the fixed point and on the driver an be combined and changed later on, if necessary.

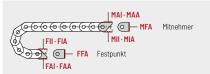








▲ Assembly options



Connection

point

Connection

type

Connection point

F - fixed point

M - driver

Connecting surface

A - connecting surface outside

connecting surface inside

Connection type

Connection

surface

A - threaded joint outside (standard)

I - threaded joint inside

F - flange connection

Order example



ng	
9	

We recommend the use of strain reliefs at the driver and fixed point. See from p. 904.

PROTUM® Sorios

> K series

UNIFLEX Advanced series

> M series

X X

QUANTUM® series

TKR series

TKA series

UAT series

PROTUM® series

v:

K series

UNIFLEX Advanced series

M series

XL series

QUANTUM® series

TKR series

TKA series

UAT series