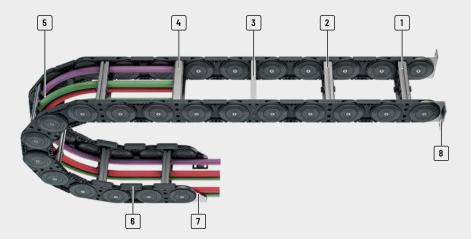


UAT



- 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
- » Can be opened on both sides

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















TKR eries

TKA series



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] \longleftrightarrow	B _i - grid [mm] Xmm ←	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.

XLT series

Also available as covered versions with covers system. More information can be found in chapter "XLT series" from page 656.

XL series | Overview

Unsupported arrangement			Glidin	g arrange	ment	I	Inner Distribution			Movement			Page
	v _{max} ≤[m/s]	$a_{\text{max}} \le [\text{m/s}^2]$	$\begin{array}{c} \textbf{Travel} \\ \textbf{length} \\ \leq [m] \end{array}$	v max ≤[m/s]	a_{max} ≤[m/s ²]	TS0	TS1	TS2	TS3	vertical hanging or standing	lying on the side	rotating arrangement	g.
								H		vertica	lyingo	arra	
11.75	4	25	350	2	2 – 3	•	-	-	•	•	•	•	480
11.75	4	25	350	2	2 – 3	-	-	-	-	•	•	•	*
11.75	4	25	350	2	2 - 3	•	-	-	-	•	•	•	*

UAT series

XL1650



Pitch 165 mm





Inner widths 200 - 1000 mm



Bending radii 250 - 550 mm

Stay variants



Aluminum stay RM.....page 480

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 LGOptimum cable routing in the neutral bending line.



Aluminum stay RMRGentle cable guiding with rollers.

PR0TUM® series

UNIFLEX dvanced series

QUANTUM® series

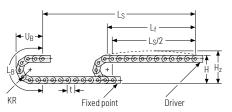
TKR eries

TKA

UAT

XL1650 | Installation dim. | Unsupported · Gliding

Unsupported arrangement



KR	Н	H_z	L_{B}	U_{B}
[mm]	[mm]	[mm]	[mm]	[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

5.0

10.0

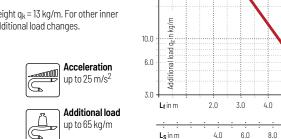
6.0

12.0

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.



60.0

30.0



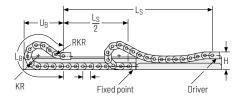
Speed up to 4 m/s







Gliding arrangement





Speed up to 2 m/s



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



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

PROTUM® series

UNIFLEX Advanced series

> M series

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



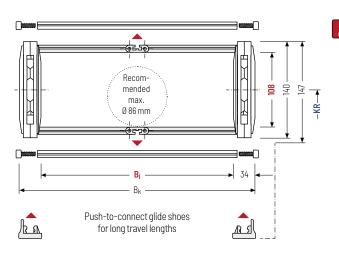
Stay arrangement on every 2nd chain link, **standard** (HS: half-stayed)





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

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

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

XL series

TKR

TKA



^{*} in 1 mm width sections

Order example

	XLC1650 .	600	. RM .	350	- 4125	HS
00	Туре	B _i [mm]	Stay variant	KR [mm]	L _k [mm]	Stay arrangement

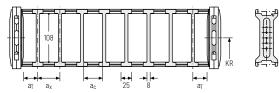
The divider system is mounted on each crossbar as a standard – on every 2nd chain link for stay mounting (HS).

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.

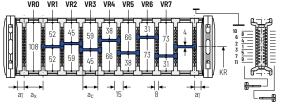


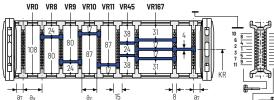
Divider system TS3 with height separation consisting of plastic partitions

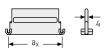
Vers.	a _{T min} [mm]	a _{x min} [mm]	a _{c min} [mm]	n _{T min}
Α	1	16 / 42*	8	2

* For aluminum partitions

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





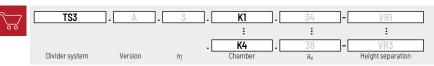


Aluminum partitions in 1 mm increments with $a_x > 42$ mm are also available.

	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 $[n_T]$. In addition, please also enter the chambers [K] from left to right, as well as the assembly distances $[a_T/a_X]$.

PROTUM® series

> K series

UNIFLEX Advanced series

> M series

TKHD series

> XL series

QUANTUM® series

TKR

TKA

UAT series

Subject to change without notice.

PR0TUM® series

> K series

UNIFLEX Advanced series

> M series

TKHD series

XL series

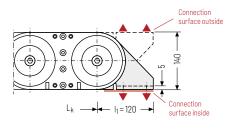
QUANTUM® series

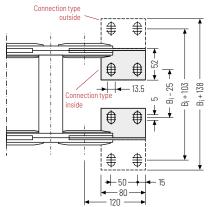
TKR

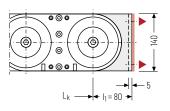
TKA series

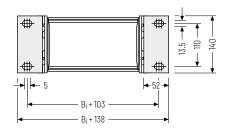
End connectors - steel

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.

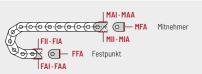








▲ Assembly options



Connection point

F - fixed point

M - driver

Connecting surface

A - connecting surface outside

connecting surface inside

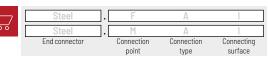
Connection type

A - threaded joint outside (standard)

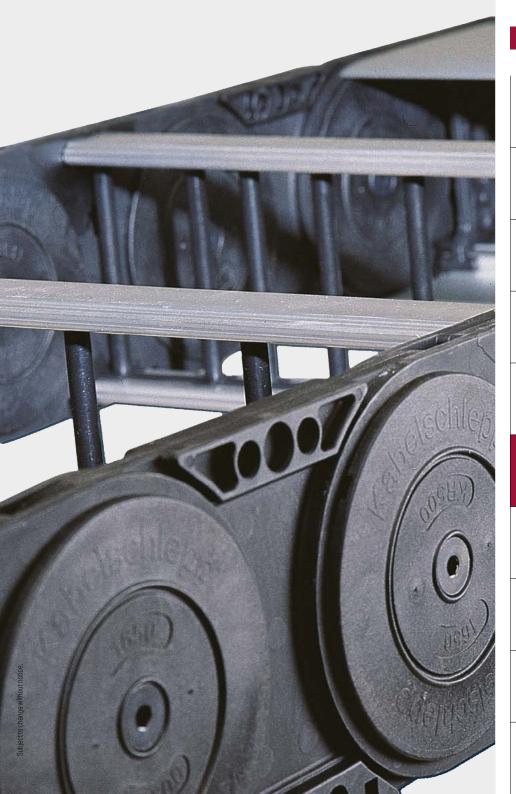
I - threaded joint inside

F - flange connection

Order example



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



PROTUM® series

K series

UNIFLEX Advanced series

M series

TKHD series

XL series

QUANTUM® series

TKR series

TKA series

UAT series