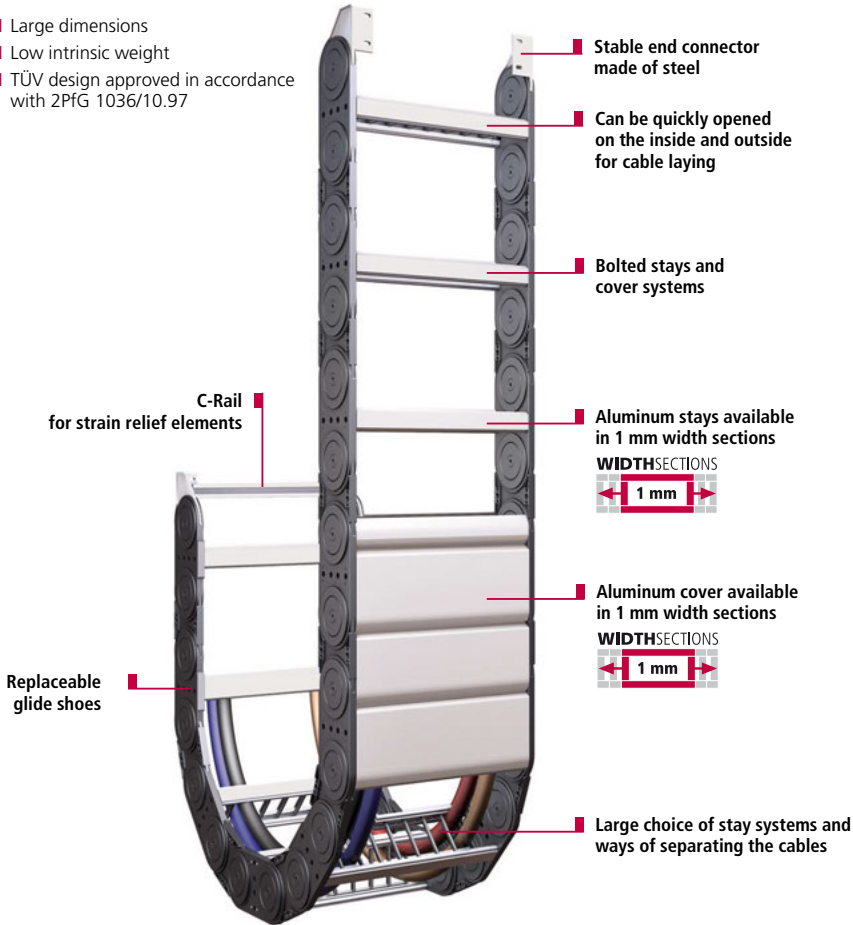




XL Series

Cable carrier with large inside height

- Large dimensions
- Low intrinsic weight
- TÜV design approved in accordance with 2PFG 1036/10.97



Inside height



Inside widths



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TSUBAKI KABELSCHLEPP
Cable Carrier Configurator



Bolted stays and cover systems for maximum stability even with large carrier widths



Replaceable glide shoes for long service life for gliding applications



Stable end connector made of steel (different connection variants)



Many separation options for the cables

Subject to change.

Type XLC 1650

with aluminum stays

- Available in 1 mm width sections

Inside height

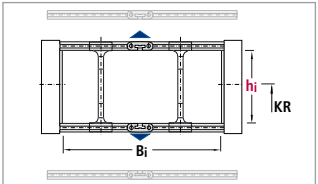


Inside widths



Type	h _i	B _i	Maximum travel length in m	Dynamics of unsupported arrangement		Page
				Travel speed v _{max} in m/s	Travel acceleration a _{max} in m/s ²	
XLC 1650	108	200-1000	350	4	25	213

Dimensions in mm



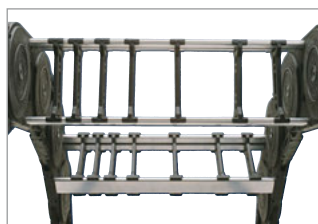
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Stay variants

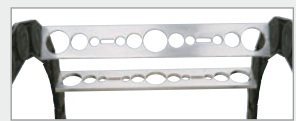
Frame stay RM

Solid design

Bolted, maximum stability, maximum chain widths possible.



Additional stay variants:



Stay variant LG made of aluminum:

Optimum cable routing in the neutral bending line

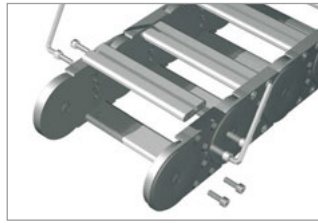


Stay variant RMR: Gentle cable laying by means of rollers. Ideal for hydraulics hoses with "soft" jackets

Stay arrangement

Standard: on every 2nd chain link

The stays can be mounted on every chain link, please specify when placing your order.



TUBE SERIES – covered cable carriers

Type XLT 1650 with aluminum cover system



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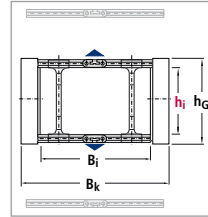
Type XLC 1650

Dimensions and intrinsic chain weight

Type	Stay variant	h _j	h _G	B _i min	q _k min	B _i max	q _k max	B _k
XLC 1650	RM	108	140	200	10.5	1000	15.3	B _i + 68

Dimensions in mm/Weights in kg/m

WIDTH SECTIONS



Inside height

108

Inside widths

200
1000

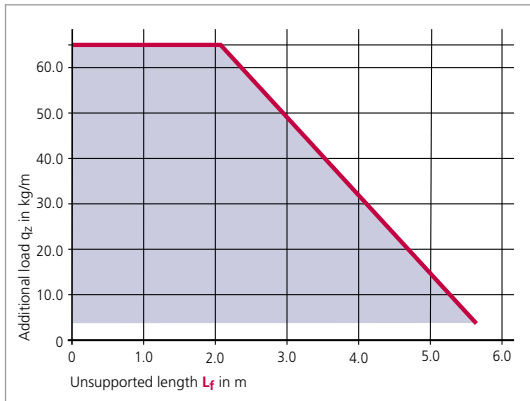
Bend radius and pitch

Type	Bend radii KR mm						
XLC 1650	250	300	350	400	450	500	550

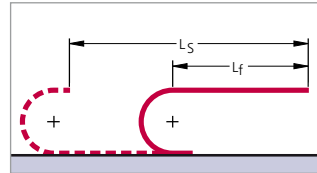
Pitch t = 165 mm

Load diagram

for unsupported length L_f depending on the additional load



Unsupported length L_f



In the case of longer travel lengths, sag of the cable carriers is technically permissible depending on the application.

In a gliding arrangement, even longer travel lengths are possible (see page 375).

We are at your service to advise on these applications.

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Example of ordering

Cable carrier					Divider system		Connection
XLC 1650	600	RM	350	4125	TS 0	4	FA/MA
Type	Inside width B _i in mm	Stay variant	Bend radius KR in mm	Chain length* L _k in mm (without connection)	Divider system	Number of dividers n _T	Connection Fixed point/Driver

Ordering divider systems:

Please state the designation of the divider system (TS 0, TS 1 ...) and the number of dividers. Possibly attach a sketch with the dimensions.

* The calculated chain length L_k **must** always be rounded to an odd number of chain links.

Type XLC 1650

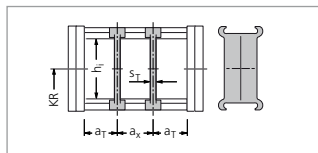
Divider system TS 0

Inside height
108

Inside widths
200
1000

Type	Stay variant	h_i mm	S_T mm	a_T min mm	a_x min mm
XLC 1650	RM	108	8	6	25

The dividers can be moved in the cross section.



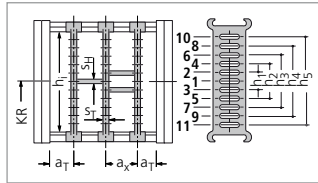
In the standard version, the divider systems are mounted on every second chain link.

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Divider system TS 3 with section subdivision, partitions made of plastic

Type	Stay variant	h_i mm	S_T mm	a_T min mm	a_x min mm	S_H mm	h_1 mm	h_2 mm	h_3 mm	h_4 mm	h_5 mm
XLC 1650	RM	108	8	1	16*	4	14	28	42	56	70

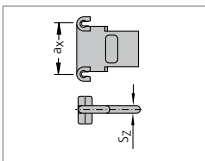
* When using plastic partitions
The dividers are fixed by the partitions, the complete divider system is movable.



In the standard version, the divider systems are mounted on every second chain link.

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Dimensions of the plastic partitions for TS 3



S_T	a_x (center-to-center dividers)									
	4	16	18	23	28	32	33	38	43	48
	64	68	78	80	88	96	112	128	144	160
	176	192	208	-	-	-	-	-	-	-

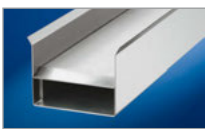
Dimensions in mm

Aluminum partitions in 1 mm width sections are also available.

When using partitions with $a_x > 112$ mm there should be an additional central support with a twin divider ($S_T = 5$ mm).
Twin dividers are designed for subsequent fitting in the partition system.

Use our free project planning service.

Guide channels
➤ from page 375



Strain relief devices
➤ from page 381



Cables for cable carrier systems
➤ from page 438



Type XLC 1650

Gliding elements – the economical solution for gliding applications

Replaceable glide shoes made of plastic

To extend the life of cable carriers in gliding operations KABELSCHLEPP supplies detachable, exchangeable glide shoes. Replaceable glide shoes are a very economical solution. When wear occurs only the glide shoes are replaced, and not the complete cable carrier.

Chain height with glide shoes:

$$h_{G'} = 147 \text{ mm}$$



Inside height

108

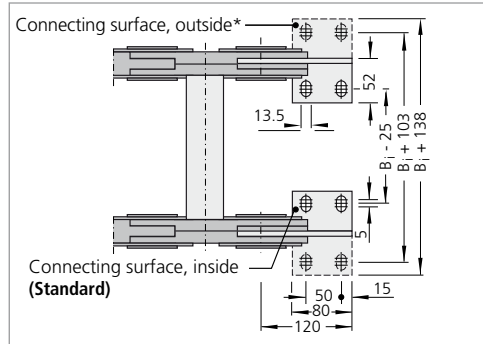
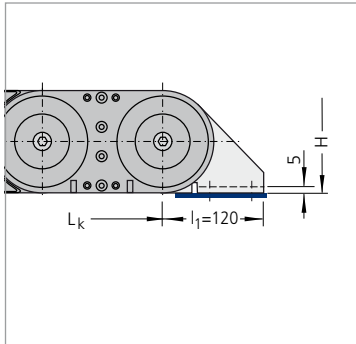
Inside widths

200 - 1000

! By means of a positive snap connection, the glide shoes sit firmly on the chain link.

Connection dimensions

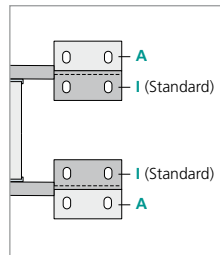
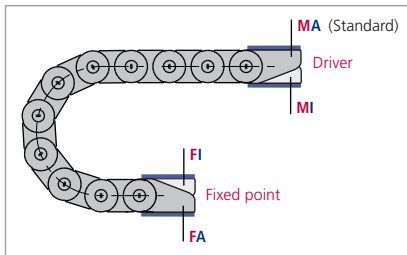
End connector made of steel plate



The dimensions of the fixed point and driver connections are identical.

* Please specify when ordering.

Connection variants



The connecting surfaces on the driver and fixed point can be mounted on the outside or inside according to preference.

Connection point Connection type

M – Driver **A** – Threaded joint outside (standard)
F – Fixed point **I** – Threaded joint, inside

Connecting surface

I – Connecting surface inside (< Bk)
A – Connecting surface outside (> Bk)

In the standard version, the end connectors are mounted with the threaded joint outwards (**FAI/MAI**). When ordering please specify the desired connection type (see ordering key on page 419).