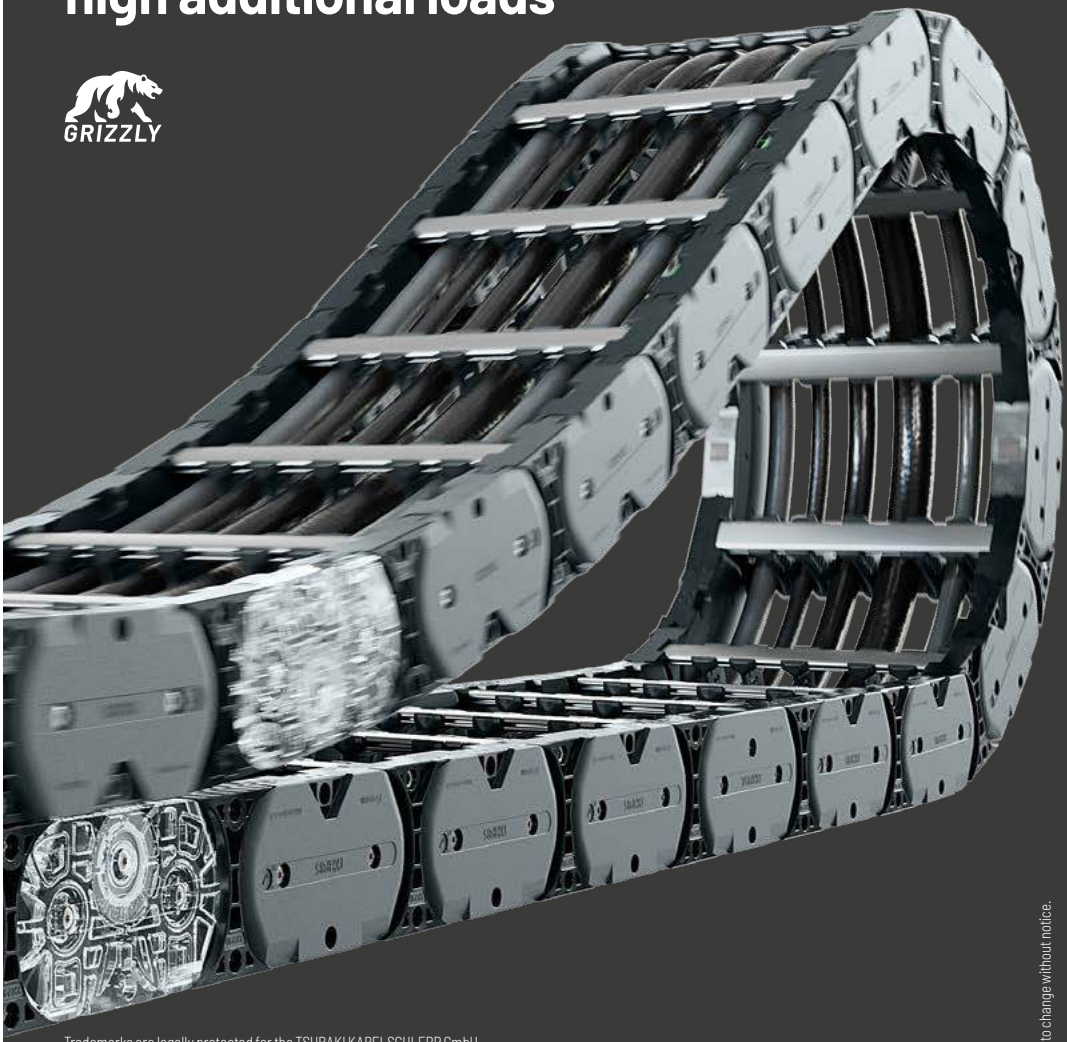
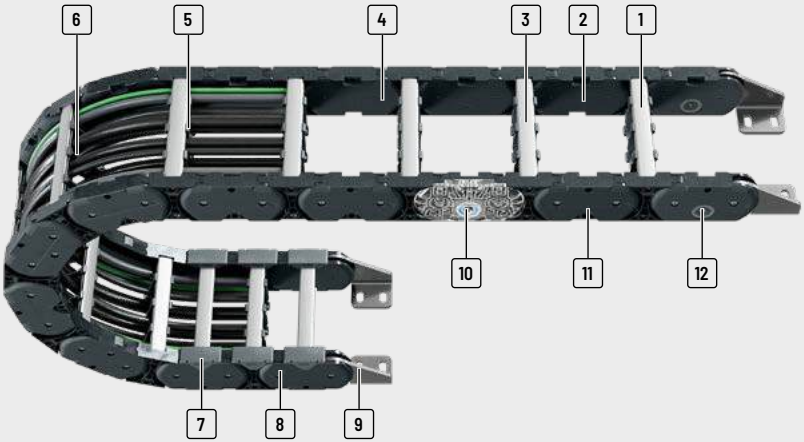
TKHP® series

High-Performance cable carriers for long travel lengths and high additional loads

GRIZZLY

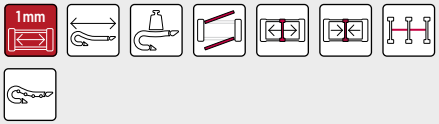




1 Aluminum stays available in **1 mm width sections**
2 Plastic chain link plates
3 Quick and easy opening to the inside or outside for cable laying
4 Cable-friendly interior – no interfering edges
5 Fixable dividers
6 Dividers and subdivision for separating the cables
7 Replaceable glide shoes for increased service life in gliding application
8 Robust, multiple stop system
9 End connectors made of seawater-resistant stainless steel
10 With integrated roll for standard guide channels
11 Easy replacement of chain links within the cable carrier
12 With roller damping

Features

» Massive, enclosed, stain-repellend stop system
» Massive sidebands through robust double fork-bracket-construction
» Sidebands easy to assemble
» Reinforced symmetrically arranged pin bore connection for better force transmission
» Integrated noise damping
» Quick and easy opening to the inside or outside for cable laying
» Soil-resistant outer contour
» Easy change of components
» Maintenance-free
» Linear force curve in the sideband
» Quiet and low-wear operating through polygon-optimized contour and radii
» Reduce drive power through less friction




Very smooth running of the roller system due to almost continuous running surface.


A non-slip structure on the running surface prevents one-sided roller wear after a standstill.


Roller chain for travel distances up to 1500 m.


RSD version with roller damping to reduce noise and wear by up to 50 %.

TKHP® series | Overview

Type	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]
TKHP85											
		RMF	58	84	100 – 800	154 – 854	1	85	240 – 400	60	46
TKHP90											
		RMF	92	117	100 – 800	170 – 870	1	90	250 – 500	100	73
TKHP85-R / TKHP85-RSD											
		RMF	58	84.5	100 – 800	154 – 854	1	85	240 – 400	60	46
TKHP90-R / TKHP90-RSD											
		RMF	92	117.5	100 – 800	170 – 870	1	90	250 – 500	100	73

Unsupported arrangement			Gliding/Rolling arrangement			Inner Distribution				Movement			Page
Travel length ≤ [m]	v_{max} ≤ [m/s]	a_{max} ≤ [m/s²]	Travel length ≤ [m]	v_{max} ≤ [m/s]	a_{max} ≤ [m/s²]	TS0	TS1	TS2	TS3	vertical hanging or standing	lying on the side	rotating arrangement	
5.9	5	20	200	5	2.5	•	•	–	–	•	–	–	470
13.5	8	20	–	–	–	•	•	–	–	•	–	–	476
–	–	–	1200	5	50	•	•	–	–	•	–	–	482
–	–	–	1500	10	50	•	•	–	–	–	–	–	488

TKHP85

Pitch
85 mm

Inner height
58 mm

Inner widths
100 – 800 mm

Bending radii
240 – 400 mm

Stay variants

Aluminum stay RMF page **470**

Frame stay, solid

» Aluminum profile bars for heavy loads and large cable carrier widths. Easy threaded connection.
» **Inside/outside:** Threaded joint easy to release.

TOTALTRAX® complete systems

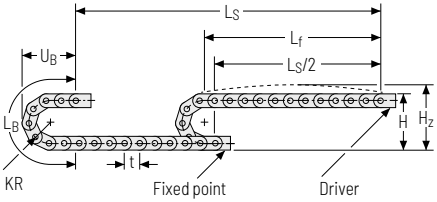
Benefit from the advantages of the TOTALTRAX® complete system. A complete delivery from one source – with a warranty certificate on request! Learn more at **tsubaki-kabelschlepp.com/totaltrax**

TRAXLINE® cables for cable carriers

Hi-flex electric cables which were specially developed, optimised and tested for use in cable carriers can be found at **tsubaki-kabelschlepp.com/traxline**.

TKHP85 | Installation dim. | Unsupported · Gliding

Unsupported arrangement

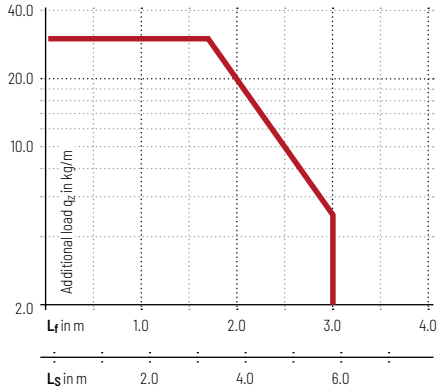


KR [mm]	H [mm]	H_z [mm]	L_B [mm]	U_B [mm]
240	574	704	930	300
300	694	824	1120	360
350	794	924	1270	410
400	894	1024	1430	460

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 = 10 kg/m. For other inner widths, the maximum additional load changes.



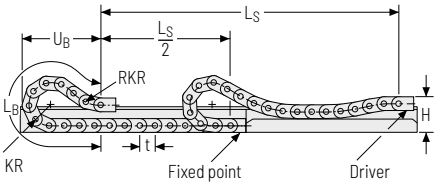
Speed
up to 5 m/s

Acceleration
up to 20 m/s²

Travel length
up to 5.9 m

Additional load
up to 30 kg/m

Gliding arrangement | GO module with chain links optimized for gliding



KR [mm]	H [mm]	GO module RKR [mm]	L_B [mm]	U_B [mm]	$q_{z\,max}$ [kg/m]
240	252	400	2235	983	60
300	252	400	2830	1224	60
350	252	400	3255	1393	40
400	252	400	3765	1601	20

Speed
up to 5 m/s

Acceleration
up to 2.5 m/s²

Travel length
up to 200 m

Additional load
up to 60 kg/m

The gliding cable carrier must be guided in a channel. See p. 866.

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

Glide shoes must be used for gliding applications.

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

TKHP85 RMF | Dimensions · Technical data

Aluminum stay RMF – frame stay solid

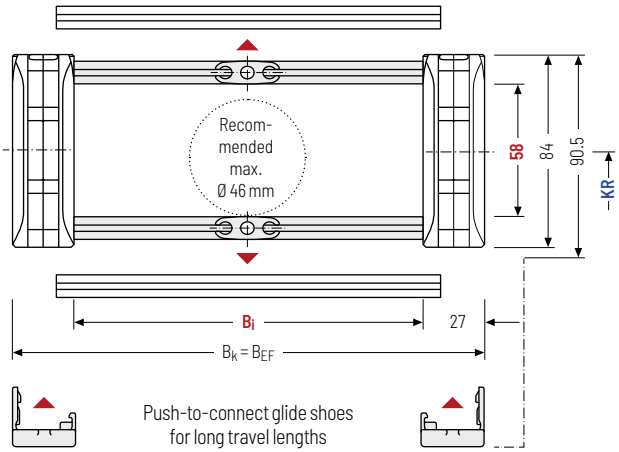
» Aluminum profile bars for heavy loads and large cable carrier widths. Easy threaded connection.
» Available customized in **1 mm grid**.
» **Inside/outside:** Threaded joint easy to release.

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

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

1 mm
B_i 100 – 800 mm in **1 mm width sections**

* Gliding arrangement: Inner radius fully-stayed, Outer radius half-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 for odd number of chain links

h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	B_i [mm]*	B_k [mm]	B_{EF} [mm]	KR [mm]				q_k [kg/m]
58	84	90.5	100 – 800	B_i + 54	B_i + 54	240	300	350	400	6.02 – 13.12

* in 1 mm width sections

Order example

TKHP85	.	400	.	RMF	.	300	-	2125	VS
Type		B_i [mm]		Stay variant		KR [mm]		L_k [mm]	Stay arrangement

Divider systems

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

As a standard, dividers and the complete divider system (dividers with height separations) can be moved in the cross section **(version A)**.

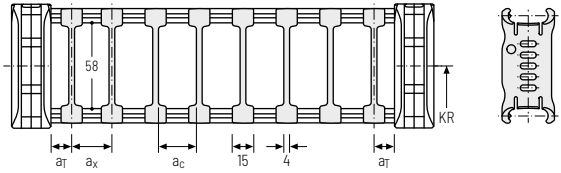
For applications with lateral acceleration and free hanging on the side, the dividers can be attached by simple insertion of a fixing profile into the RMF stay, available as an accessory **(version B)**.

Divider system TS0 without height separation

Vers.	$a_{T\,min}$ [mm]	$a_{x\,min}$ [mm]	$a_{C\,min}$ [mm]	$a_{x\,grid}$ [mm]	n_T min
A	7.5/10.5*	15	11	–	–
B	7.5/10.5*	15	11	5	–

* With glide shoes

The dividers can be moved within the cross section (version A) or fixed (version B).

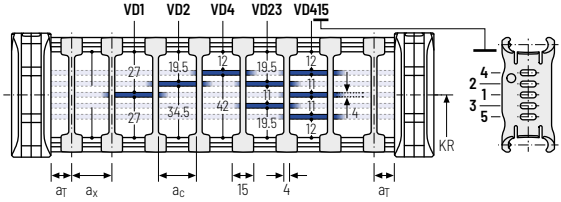


Divider system TS1 with continuous height separation

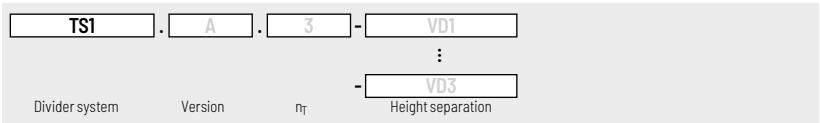
Vers.	$a_{T\,min}$ [mm]	$a_{x\,min}$ [mm]	$a_{C\,min}$ [mm]	$a_{x\,grid}$ [mm]	n_T min
A	7.5/10.5*	15	11	–	2
B	7.5/10.5*	15	11	5	2

* With glide shoes

The dividers can be moved within the cross section (version A) or fixed (version B).



Order example



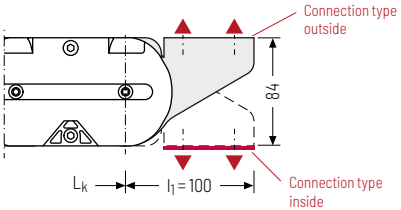
Please state the designation of the divider system **(TS0, TS1,...)**, the version, and the number of dividers per cross section [n_T].

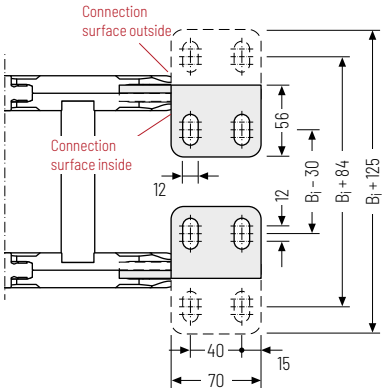
When using divider systems with height separation **(TS1)**, please additionally state the position (e.g. VD1) viewed from the left driver belt. You are welcome to add a sketch to your order.

TKHP85 | End connectors

End connectors – steel short (standard)

The connection variants on the fixed point and on the driver can be combined and changed later on, if necessary.



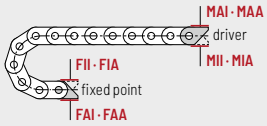


▲ Assembly options

Connection point
F – fixed point
M – driver

Connecting surface
A – connecting surface outside
I – connecting surface inside

Connection type
A – threaded joint outside (standard)
I – threaded joint inside



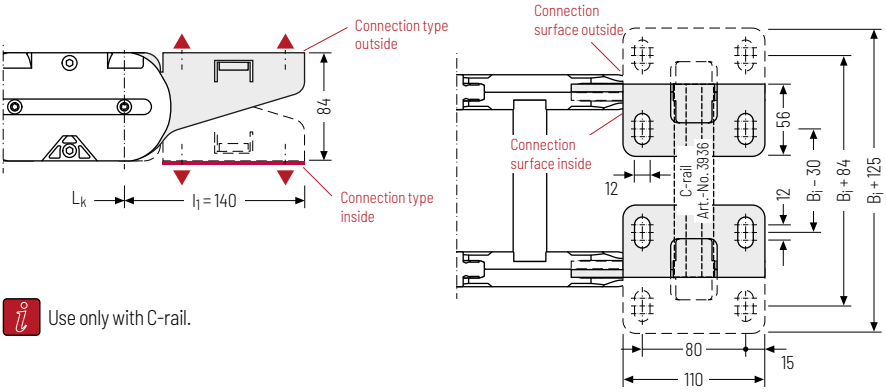
Order example

End connector	Connection point	Connection type	Connecting surface
Steel	F	A	I
Steel	M	A	I

We recommend the use of strain reliefs at the driver and fixed point. See from p. 926.

End connectors LF – steel long

The connection variants on the fixed point and on the driver can be combined and changed later on, if necessary.



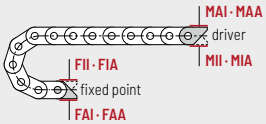
Use only with C-rail.

▲ Assembly options

Connection point
F – fixed point
M – driver

Connecting surface
A – connecting surface outside
I – connecting surface inside

Connection type
A – threaded joint outside (standard)
I – threaded joint inside



Order example

Steel LF	.	F	A	I
Steel LF	.	M	A	I
End connector		Connection point	Connection type	Connecting surface

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**

TKHP90

Pitch
90 mm

Inner height
92 mm

Inner widths
100 – 800 mm

Bending radii
250 – 500 mm

Stay variants

Aluminum stay RMF ..... page **476**

Frame stay, solid

» Aluminum profile bars for heavy loads and large cable carrier widths. Easy threaded connection.
» **Inside/outside:** Threaded joint easy to release.

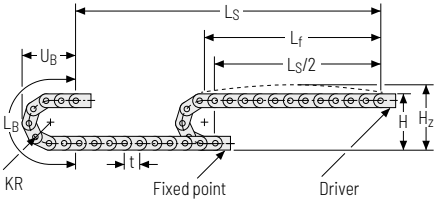
TOTALTRAX® complete systems

Benefit from the advantages of the TOTALTRAX® complete system. A complete delivery from one source – with a warranty certificate on request! Learn more at **tsubaki-kabelschlepp.com/totaltrax**

TRAXLINE® cables for cable carriers

Hi-flex electric cables which were specially developed, optimised and tested for use in cable carriers can be found at **tsubaki-kabelschlepp.com/traxline**.

Unsupported arrangement

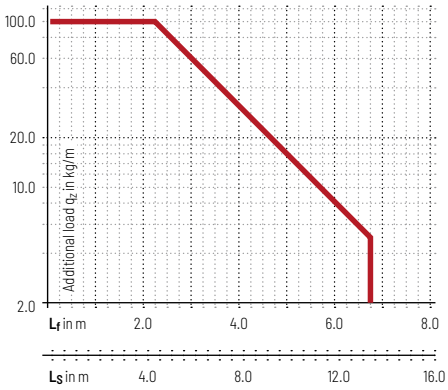


KR [mm]	H [mm]	H_Z [mm]	L_B [mm]	U_B [mm]
250	675.5	860	965	510
310	795.5	980	1154	570
360	895.5	1080	1311	620
500	1175.5	1360	1751	680

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 = 10 kg/m. For other inner widths, the maximum additional load changes.



Speed
up to 8 m/s

Acceleration
up to 20 m/s²

Travel length
up to 13.5 m

Additional load
up to 100 kg/m

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

TKHP90 RMF | Dimensions · Technical data

Aluminum stay RMF – frame stay solid

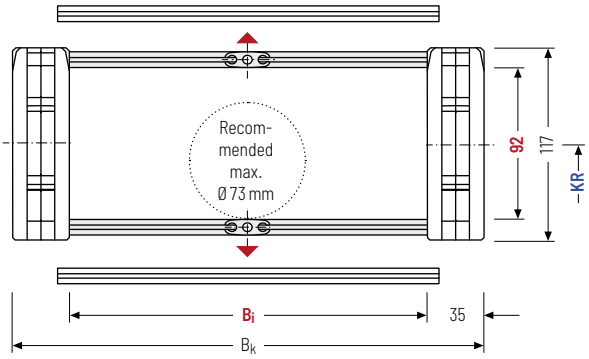
» Aluminum profile bars for heavy loads and large cable carrier widths. Easy threaded connection.
» Available customized in **1 mm grid**.
» **Inside/outside:** Threaded joint easy to release.

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

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

1 mm
B_i 100 – 800 mm in **1 mm width sections**

* Gliding arrangement: Inner radius fully-stayed, Outer radius half-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 for odd number of chain links

h_i [mm]	h_G [mm]	B_i [mm]*	B_k [mm]	B_{EF} [mm]	KR [mm]				q_k [kg/m]
92	117	100 – 800	B_i + 70	B_i + 70	250	310	360	500	10.37 – 17.47

* in 1 mm width sections

Order example

TKHP90	.	400	.	RMF	.	310	-	2700		VS
Type		B_i [mm]		Stay variant		KR [mm]		L_k [mm]		Stay arrangement

Divider systems

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

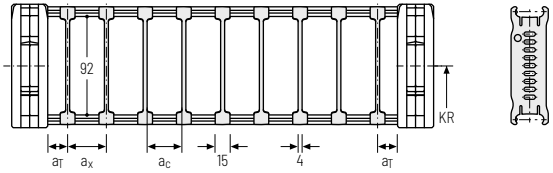
As a standard, dividers and the complete divider system (dividers with height separations) can be moved in the cross section **(version A)**.

For applications with lateral acceleration and free hanging on the side, the dividers can be attached by simple insertion of a fixing profile into the RMF stay, available as an accessory **(version B)**.

Divider system TS0 without height separation

Vers.	a_T min [mm]	a_x min [mm]	a_C min [mm]	a_x grid [mm]	n_T min
A	7.5	15	11	–	–
B	10	15	11	5	–

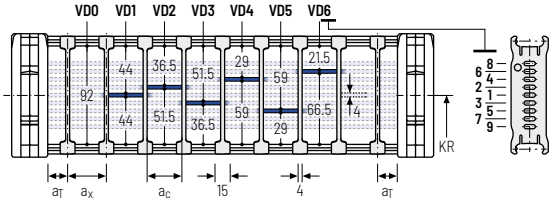
The dividers can be moved within the cross section (version A) or fixed (version B).

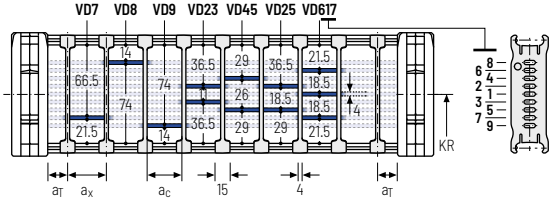


Divider system TS1 with continuous height separation

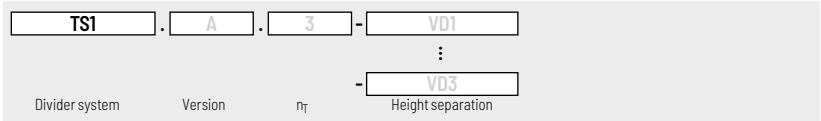
Vers.	a_T min [mm]	a_x min [mm]	a_C min [mm]	a_x grid [mm]	n_T min
A	7.5	15	11	–	–
B	10	15	11	5	–

The dividers can be moved within the cross section (version A) or fixed (version B).





Order example



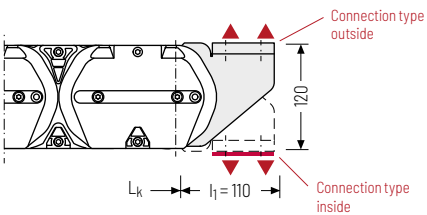
Please state the designation of the divider system **(TS0, TS1,...)**, the version, and the number of dividers per cross section [n_T].

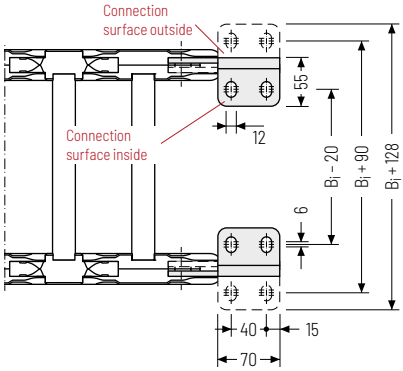
When using divider systems with height separation **(TS1)**, please additionally state the position (e.g. VD1) viewed from the left driver belt. You are welcome to add a sketch to your order.

TKHP90 | End connectors

End connectors – steel short (standard)

The connection variants on the fixed point and on the driver can be combined and changed later on, if necessary.



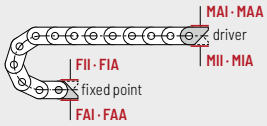


▲ Assembly options

Connection point
F – fixed point
M – driver

Connecting surface
A – connecting surface outside
I – connecting surface inside

Connection type
A – threaded joint outside (standard)
I – threaded joint inside



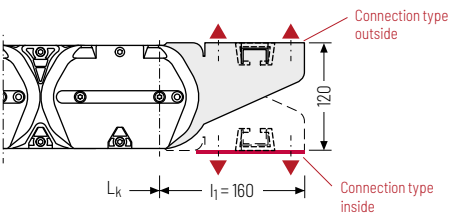
Order example

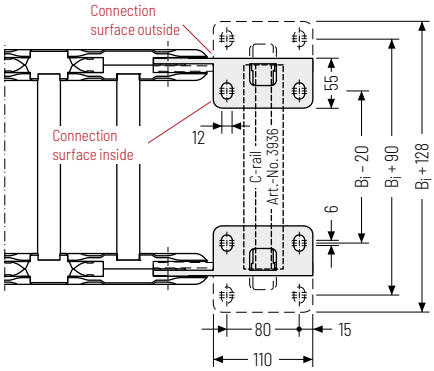
Steel	.	F	A	I
Steel	.	M	A	I
End connector		Connection point	Connection type	Connecting surface

We recommend the use of strain reliefs at the driver and fixed point. See from p. 926.

End connectors LF – steel long

The connection variants on the fixed point and on the driver can be combined and changed later on, if necessary.





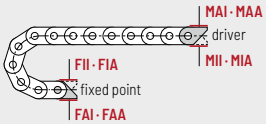
Use only with C-rail.

▲ Assembly options

Connection point
F – fixed point
M – driver

Connecting surface
A – connecting surface outside
I – connecting surface inside

Connection type
A – threaded joint outside (standard)
I – threaded joint inside



Order example

Steel LF	.	F	A	I
Steel LF	.	M	A	I
End connector		Connection point	Connection type	Connecting surface

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**

TKHP85-R
TKHP85-RSD

High-Performance cable carrier with integrated roller

Pitch
85 mm

Inner height
58 mm

Inner widths
100 – 800 mm

Bending radii
240 – 400 mm

Stainless steel ball bearings with application-specific lubrication and plastic rollers ensure quiet and smooth operation. Integrated, low-wear damping systems minimize the mechanical load for the entire system.

The cable carrier type TKHP85-RSD (Shock Damping) uses roller damping. The rollers of the RSD variant are damped when they pass over each other, which reduces both the mechanical load and the noise pollution when they roll over by up to 50 %.

The use of roller damping is not always necessary. An undamped cable carrier system can also be used for low-speed applications.

- TKHP85-R with rollers
- TKHP85-RSD with rollers and shock absorber
- suitable for all long travel applications
- quiet and low-vibration operation
- space-saving and cost-optimized
- long service life – low maintenance
- easy access to rollers
- minimized loads on cable carrier and cables
- low push and pull forces
- high travel speed and acceleration
- large additional loads possible
- retrofit of existing systems
- exchange other makes up to 100 %
- integration of existing guide channels

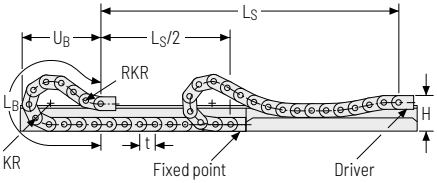
Stay variants

Aluminum stay RMF page **482**

Frame stay, solid

- Aluminum profile bars for heavy loads and large cable carrier widths. Easy threaded connection.
- **Inside/outside:** Threaded joint easy to release.

Rolling arrangement | Cable carrier with integrated roller



KR [mm]	H [mm]	GO module RKR [mm]	L_B [mm]	U_B [mm]	$q_{z\,max}$ [kg/m]
240	252	400	2235	983	60
300	252	400	2830	1224	60
350	252	400	3255	1393	40
400	252	400	3765	1601	20

Speed
up to 5 m/s

Acceleration
up to 50 m/s²

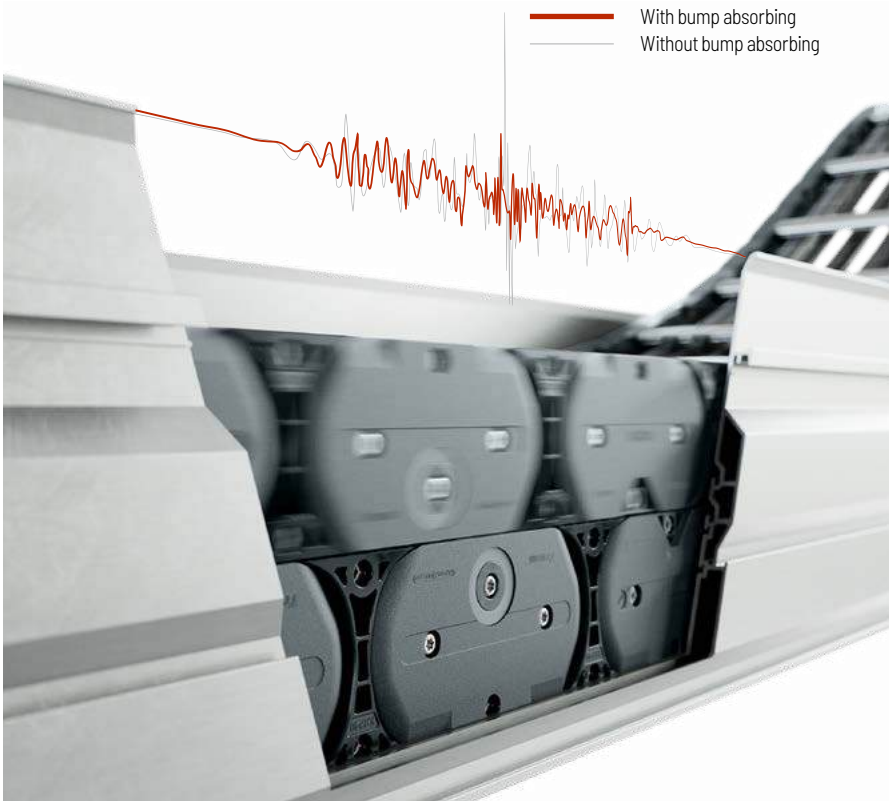
Travel length
up to 1200 m

Additional load
up to 60 kg/m

The rolling cable carrier must be guided in a channel. See p. 866.

The GO module mounted on the driver is a defined sequence of 4 adapted KR/RKR link plates.

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



TKHP85-R / -RSD RMF | Dimensions · Technical data

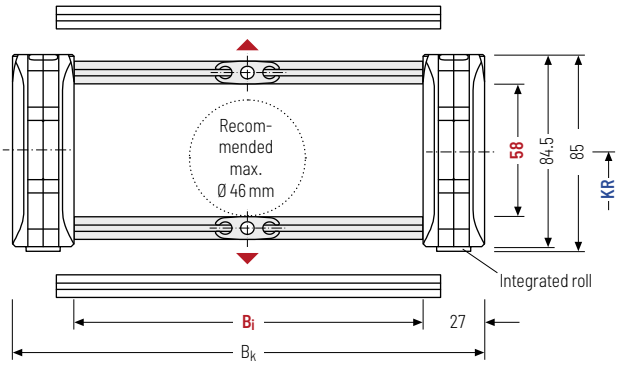
Aluminum stay RMF – frame stay solid

» Aluminum profile bars for heavy loads and large cable carrier widths. Easy threaded connection.
» Available customized in **1 mm grid**.
» **Inside/outside:** Threaded joint easy to release.

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

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

1 mm
B_i 100 – 800 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 L_k

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

Cable carrier length L_k rounded to pitch t for odd number of chain links

h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	B_i [mm]*	B_k [mm]	KR [mm]				q_k [kg/m]
58	84.5	85	**100 – 800**	B_i + 54	**240**	**300**	**350**	**400**	6.02 – 13.12

* in 1 mm width sections

Order example

TKHP85-R	.	400	.	RMF	.	300	-	2125	VS
Type		B_i [mm]		Stay variant		KR [mm]		L_k [mm]	Stay arrangement

Divider systems

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

As a standard, dividers and the complete divider system (dividers with height separations) can be moved in the cross section **(version A)**.

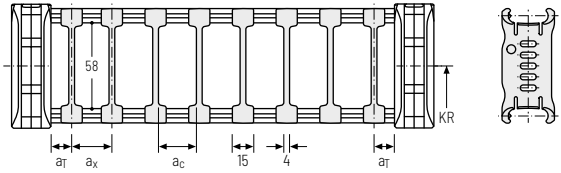
For applications with lateral acceleration and free hanging on the side, the dividers can be attached by simple insertion of a fixing profile into the RMF stay, available as an accessory **(version B)**.

Divider system TS0 without height separation

Vers.	$a_{T\,min}$ [mm]	$a_{x\,min}$ [mm]	$a_{C\,min}$ [mm]	$a_{x\,grid}$ [mm]	n_T min
A	7.5/10.5*	15	11	–	–
B	7.5/10.5*	15	11	5	–

* With glide shoes

The dividers can be moved within the cross section (version A) or fixed (version B).

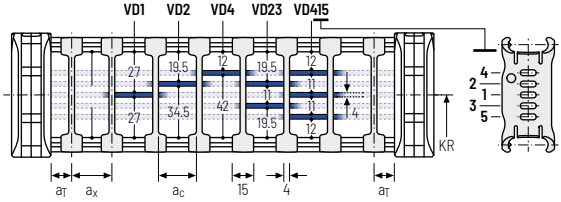


Divider system TS1 with continuous height separation

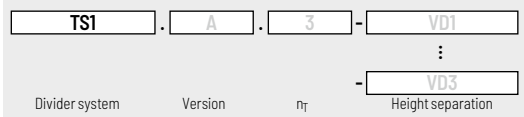
Vers.	$a_{T\,min}$ [mm]	$a_{x\,min}$ [mm]	$a_{C\,min}$ [mm]	$a_{x\,grid}$ [mm]	n_T min
A	7.5/10.5*	15	11	–	2
B	7.5/10.5*	15	11	5	2

* With glide shoes

The dividers can be moved within the cross section (version A) or fixed (version B).



Order example



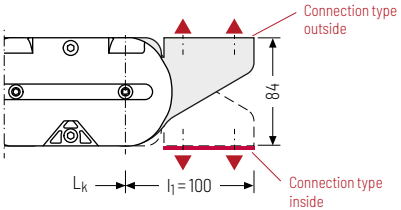
Please state the designation of the divider system **(TS0, TS1,...)**, the version, and the number of dividers per cross section [n_T].

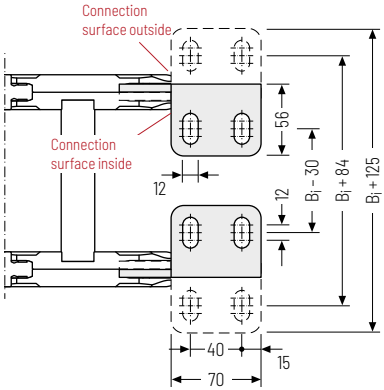
When using divider systems with height separation **(TS1)**, please additionally state the position (e.g. VD1) viewed from the left driver belt. You are welcome to add a sketch to your order.

TKHP85-R / -RSD | End connectors

End connectors – steel short (standard)

The connection variants on the fixed point and on the driver can be combined and changed later on, if necessary.



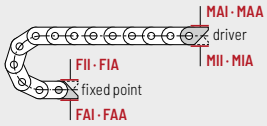


▲ Assembly options

Connection point
F – fixed point
M – driver

Connecting surface
A – connecting surface outside
I – connecting surface inside

Connection type
A – threaded joint outside (standard)
I – threaded joint inside



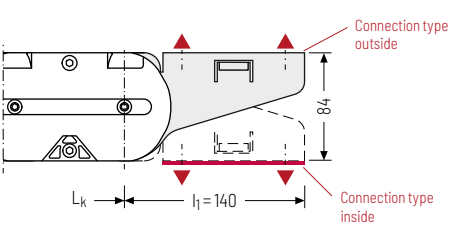
Order example

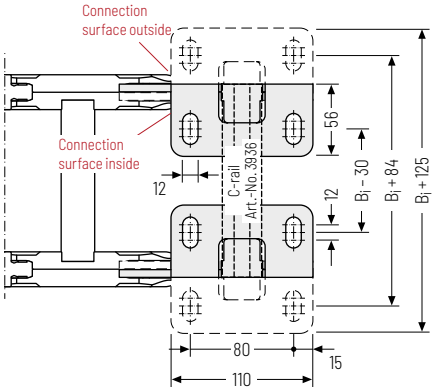
Steel	.	F	A	I
Steel	.	M	A	I
End connector		Connection point	Connection type	Connecting surface

We recommend the use of strain reliefs at the driver and fixed point. See from p. 926.

End connectors LF – steel long

The connection variants on the fixed point and on the driver can be combined and changed later on, if necessary.





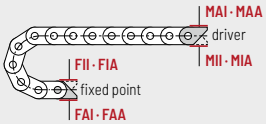
Use only with C-rail.

▲ Assembly options

Connection point
F – fixed point
M – driver

Connecting surface
A – connecting surface outside
I – connecting surface inside

Connection type
A – threaded joint outside (standard)
I – threaded joint inside



Order example

Steel LF	.	F	A	I
Steel LF	.	M	A	I
End connector		Connection point	Connection type	Connecting surface

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**

TKHP90-R
TKHP90-RSD

High-Performance cable carrier with integrated roller

Pitch
90 mm

Inner height
92 mm

Inner widths
100 – 800 mm

Bending radii
250 – 500 mm

Stainless steel ball bearings with application-specific lubrication and plastic rollers ensure quiet and smooth operation. Integrated, low-wear damping systems minimize the mechanical load for the entire system.

The cable carrier type TKHP90-RSD (Shock Damping) uses roller damping. The rollers of the RSD variant are damped when they pass over each other, which reduces both the mechanical load and the noise pollution when they roll over by up to 50 %.

The use of roller damping is not always necessary. An undamped cable carrier system can also be used for low-speed applications.

- TKHP90-R with rollers
- TKHP90-RSD with rollers and shock absorber
- suitable for all long travel applications
- quiet and low-vibration operation
- space-saving and cost-optimized
- long service life – low maintenance
- easy access to rollers
- minimized loads on cable carrier and cables
- low push and pull forces
- high travel speed and acceleration
- large additional loads possible
- retrofit of existing systems
- exchange other makes up to 100 %
- integration of existing guide channels

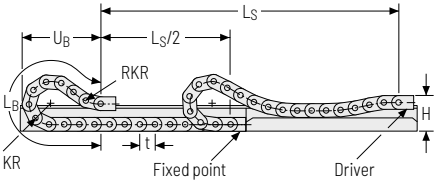
Stay variants

Aluminum stay RMF page **488**

Frame stay, solid

- Aluminum profile bars for heavy loads and large cable carrier widths. Easy threaded connection.
- **Inside/outside:** Threaded joint easy to release.

Rolling arrangement | Cable carrier with integrated roller



KR [mm]	H [mm]	GO module RKR [mm]	L_B [mm]	U_B [mm]	$q_{z\,max}$ [kg/m]
250	351	600	1840	1030	100
310	351	600	2200	1230	100
360	351	600	2520	1400	90
500	351	600	3410	1880	75

Speed
up to 10 m/s

Acceleration
up to 50 m/s²

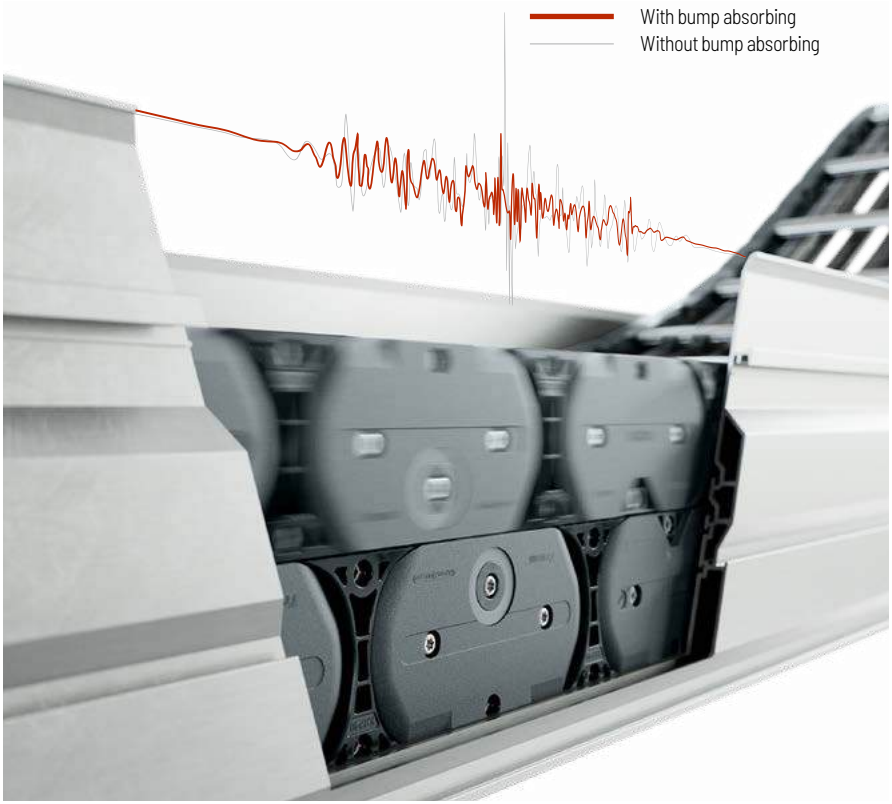
Travel length
up to 1500 m

Additional load
up to 100 kg/m

The rolling cable carrier must be guided in a channel. See p. 866.

The GO module mounted on the driver is a defined sequence of 6 adapted KR/RKR link plates.

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



TKHP90-R / -RSD RMF | Dimensions · Technical data

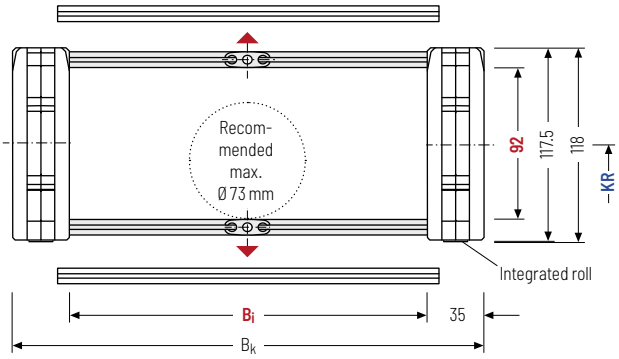
Aluminum stay RMF –
frame stay solid

» Aluminum profile bars for heavy loads and large cable carrier widths. Easy threaded connection.
» Available customized in **1 mm grid**.
» **Inside/outside:** Threaded joint easy to release.

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

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

1 mm
B_i 100 – 800 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 L_k

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

Cable carrier length L_k rounded to pitch t for odd number of chain links

h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	B_i [mm]*	B_k [mm]	KR [mm]				q_k [kg/m]
92	117.5	118	**100 – 800**	B_i + 70	**250**	**310**	**360**	**500****	10.37 – 17.47

* in 1 mm width sections ** When using this KR please contact our technical support.

Order example

TKHP90-R	.	400	.	RMF	.	310	-	2700	VS
Type		B_i [mm]		Stay variant		KR [mm]		L_k [mm]	Stay arrangement

Divider systems

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

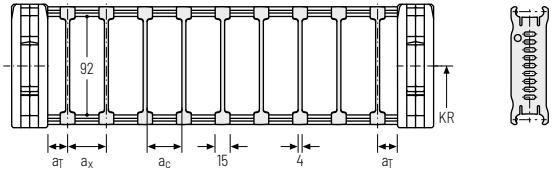
As a standard, dividers and the complete divider system (dividers with height separations) can be moved in the cross section **(version A)**.

For applications with lateral acceleration and free hanging on the side, the dividers can be attached by simple insertion of a fixing profile into the RMF stay, available as an accessory **(version B)**.

Divider system TS0 without height separation

Vers.	a_T min [mm]	a_x min [mm]	a_C min [mm]	a_x grid [mm]	n_T min
A	7.5	15	11	–	–
B	10	15	11	5	–

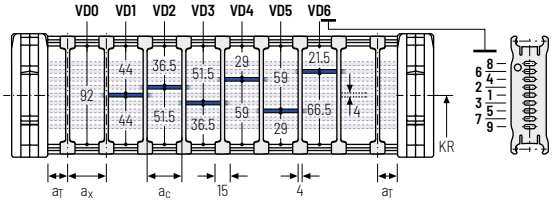
The dividers can be moved within the cross section (version A) or fixed (version B).

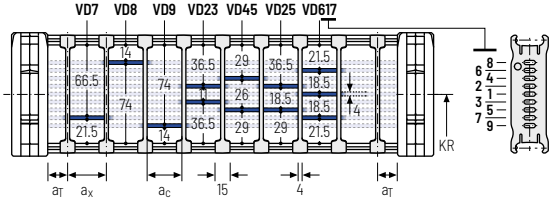


Divider system TS1 with continuous height separation

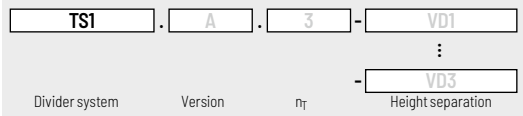
Vers.	a_T min [mm]	a_x min [mm]	a_C min [mm]	a_x grid [mm]	n_T min
A	7.5	15	11	–	–
B	10	15	11	5	–

The dividers can be moved within the cross section (version A) or fixed (version B).





Order example



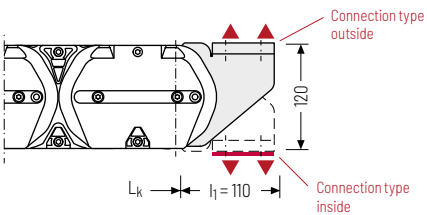
Please state the designation of the divider system **(TS0, TS1,...)**, the version, and the number of dividers per cross section [n_T].

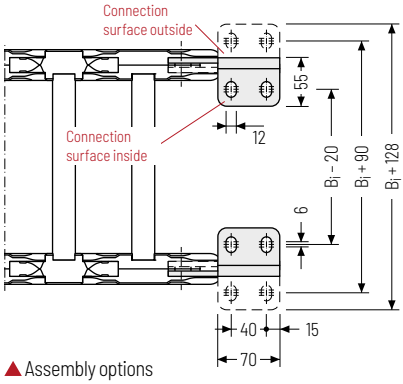
When using divider systems with height separation **(TS1)**, please additionally state the position (e.g. VD1) viewed from the left driver belt. You are welcome to add a sketch to your order.

TKHP90-R / -RSD | End connectors

End connectors – steel short (standard)

The connection variants on the fixed point and on the driver can be combined and changed later on, if necessary.



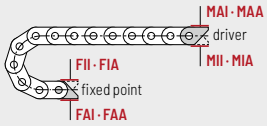


▲ Assembly options

Connection point
F – fixed point
M – driver

Connecting surface
A – connecting surface outside
I – connecting surface inside

Connection type
A – threaded joint outside (standard)
I – threaded joint inside



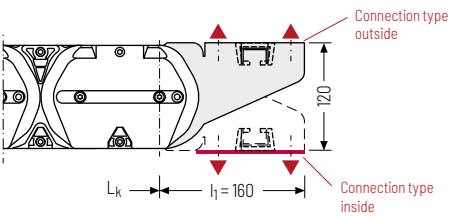
Order example

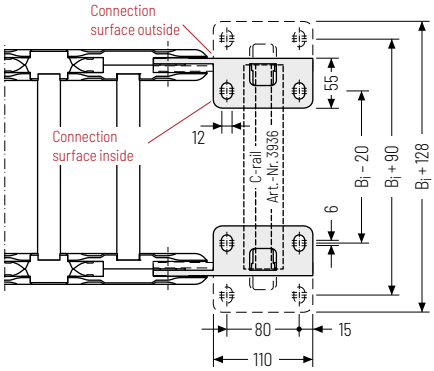
Steel	.	F	A	I
Steel	.	M	A	I
End connector		Connection point	Connection type	Connecting surface

We recommend the use of strain reliefs at the driver and fixed point. See from p. 866.

End connectors LF – steel long

The connection variants on the fixed point and on the driver can be combined and changed later on, if necessary.





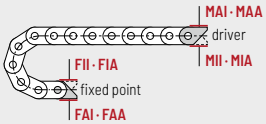
Use only with C-rail.

▲ Assembly options

Connection point
F – fixed point
M – driver

Connecting surface
A – connecting surface outside
I – connecting surface inside

Connection type
A – threaded joint outside (standard)
I – threaded joint inside



Order example

Steel LF	.	F	A	I
Steel LF	.	M	A	I
End connector		Connection point	Connection type	Connecting surface

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