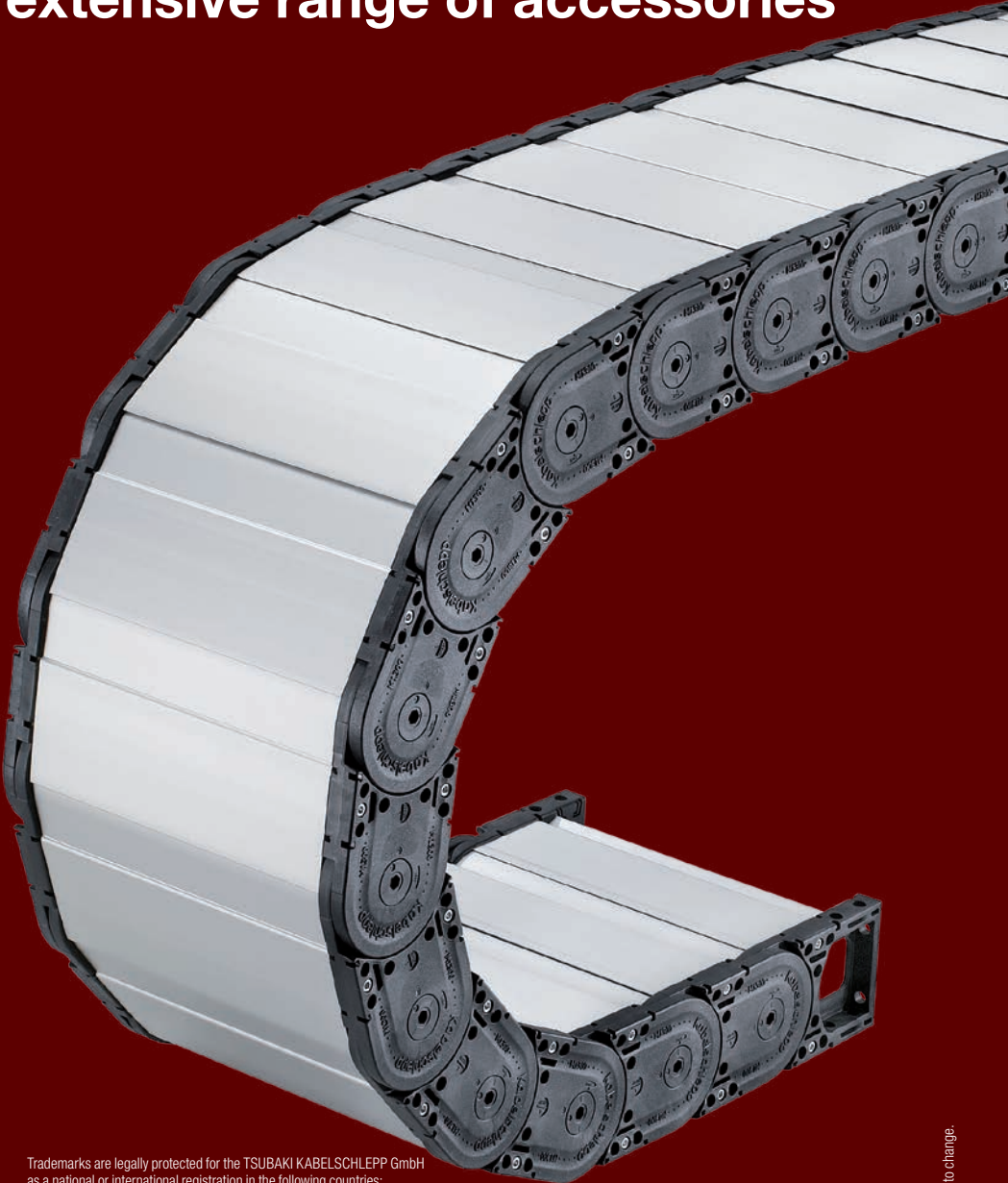


MT series

Variable, closed cable carrier with
extensive range of accessories



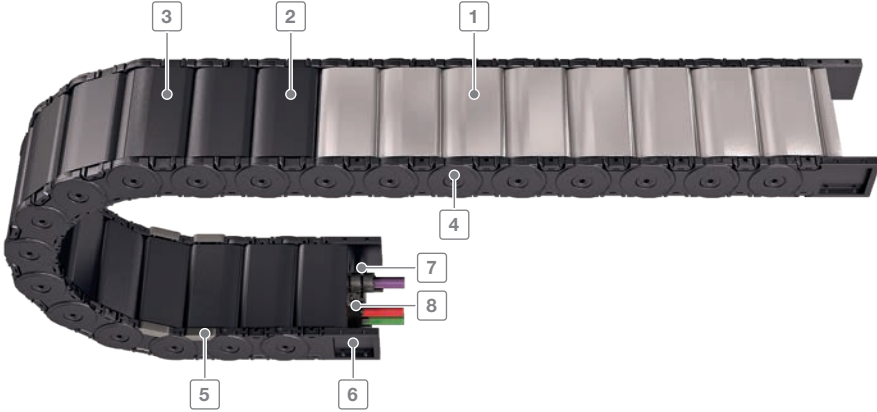
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as a national or international registration in the following countries:
tsubaki-kabelschlepp.com/Trademarks

Subject to change.

Inner heights



Inner widths

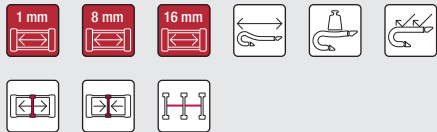


- 1 Aluminum cover available in **1 mm width sections**
- 2 Plastic cover available in **8 or 16 mm width sections**
- 3 Can be opened quickly on the inside and the outside for cable laying
- 4 Locking bolts
- 5 Replaceable glide
- 6 Universal end connectors (UMB)
- 7 C-rail for strain relief elements
- 8 Strain relief elements

shoes

Features

- Encapsulated, dirt-resistant stroke system
- Stable side bands through robust link plate design
- Easy assembly of side bands through bars with easy-to-assemble locking bolts
- Long service life due to minimized hinge wear owing to the "life extending 2 disc principle"
- Large selection of vertical and horizontal stay systems and separation options for your cables
- Versions with aluminum cover system available in 1 mm width sections up to 800 mm inner width
- Versions with plastic cover system available in 8 or 16 mm width sections



Minimized hinge wear owing to the "life extending 2 disc principle"



Sturdy link plate design, encapsulated stroke system



Easy to assemble through locking bolts



Replaceable glide shoes for long service life for gliding applications

MT series | Overview

Key for abbreviations
on page 16

Design guidelines
from page 64

Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

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]
MT0475											
		RMD 01	26	39	33 – 180	41 – 197	1	47.5	75 – 300	3	20
		RMD 02	26	39	33 – 180	41 – 197	1	47.5	75 – 300	3	20
		RDD 01	26	39	24 – 280	41 – 297	8	47.5	75 – 300	3	20
		RDD 02	26	39	24 – 280	41 – 297	8	47.5	75 – 300	3	20
MT0650											
		RMD	38.5	57	100 – 500	134 – 534	–	65	115 – 350	25	30
		RDD	38.5	57	50 – 258	84 – 292	–	65	95 – 350	25	30
MT0950											
		RMD	54.5	80	100 – 600	139 – 639	–	95	200 – 380	35	43
		RDD	54.5	80	77 – 349	116 – 388	–	95	140 – 380	35	43
MT1250											
		RMD	68.5	96	150 – 800	195 – 845	–	125	260 – 500	65	61
		RDD	68.5	96	103 – 359	148 – 404	–	125	220 – 500	65	61
MT1300											
		RMD	87	120	100 – 800	150 – 850	–	130	240 – 500	70	69

MT series | Overview

Unsupported arrangement			Gliding arrangement			Inner distribution				Installation variants			Page
Travel length \leq [m]	v_{max} [m/s]	a_{max} [m/s ²]	Travel length \leq [m]	v_{max} [m/s]	a_{max} [m/s ²]	TS0	TS1	TS2	TS3	vertical hanging or standing	lying on the side	rotating arrangement	
2.7	10	50	–	–	–	•	•	–	–	•	•	–	570
2.7	10	50	–	–	–	•	•	–	–	•	•	–	572
2.7	10	50	–	–	–	•	•	•	–	•	•	–	574
2.7	10	50	–	–	–	•	•	•	–	•	•	–	576
4.8	10	35	170	8	20	•	•	–	–	•	•	–	582
4.8	10	35	170	8	20	•	•	–	–	•	•	–	584
7.4	10	25	230	8	20	•	•	•	–	•	•	–	590
7.4	10	25	230	8	20	•	•	•	•	•	•	–	592
9.7	10	20	270	8	20	•	•	•	–	•	•	–	598
9.7	10	20	270	8	20	•	•	•	•	•	•	–	600
10.8	10	20	300	8	20	•	•	–	•	•	•	–	606

Inner heights



Inner widths



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MT0475

Key for abbreviations
on page 16



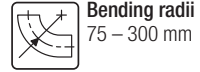
Pitch
47.5 mm



Inner height
26 mm



Inner widths
24 – 280 mm



Bending radii
75 – 300 mm

Stay variants

Design guidelines
from page 64



Aluminum cover RMD 01 page 570

Cover with hinge in the inner radius

- Aluminum cover system with hinge for light and medium loads. Assembly without screws.
- **Outside:** release by rotating 90°.
- **Inside:** swivable to both sides.



Aluminum cover RMD 02 page 572

Cover with hinge in the outer radius

- Aluminum cover system with hinge for light and medium loads. Assembly without screws.
- **Outside:** swivable to both sides.
- **Inside:** release by turning by 90°.



Plastic cover RDD 01 page 574

Cover with hinge in the inner radius

- Plastic cover system with hinge for light and medium loads. Assembly without screws.
- **Outside:** release by rotating 90°.
- **Inside:** swivable to both sides.



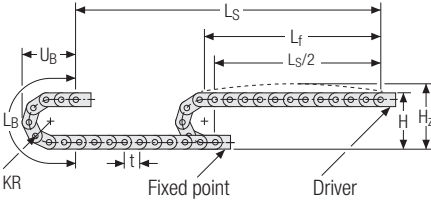
Plastic cover RDD 02 page 576

Cover with hinge in the outer radius

- Plastic cover system with hinge for light and medium loads. Assembly without screws.
- **Outside:** swivable to both sides.
- **Inside:** release by turning by 90°.

Technical support:
technik@kabelschlepp.de

Unsupported arrangement



KR [mm]	H [mm]	H _z [mm]	L _B [mm]	U _B [mm]
75	189	214	331	142
100	239	264	410	167
130	299	324	504	197
160	359	384	598	227
200	439	464	724	267
250	539	564	881	317
300	639	664	1038	367

Inner heights



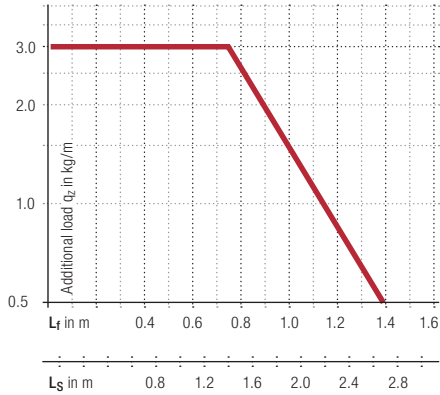
Inner widths



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 $q_k = 1.7 \text{ kg/m}$. For other inner widths, the maximum additional load changes.



 **Speed**
up to 10 m/s

 **Acceleration**
up to 50 m/s²

 **Travel length**
up to 2.7 m

 **Additional load**
up to 3.0 kg/m

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Aluminum cover RMD 01 – cover with hinge in the inner radius

- Aluminum cover system with hinge for light and medium loads. Assembly without screws.
- Available customized in **1 mm sections**.
- **Outside:** release by turning 90°.
- **Inside:** swivable to both sides.



Key for abbreviations on page 16

Design guidelines from page 64

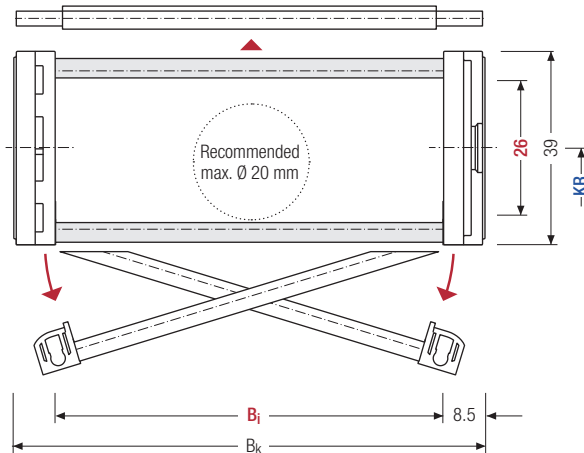
Technical support: technik@kabelschlepp.de



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



1 mm B_i 33 – 180 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

h_i [mm]	h_G [mm]	B_i [mm]*	B_k [mm]	KR [mm]						q_k [kg/m]	
26	39	33 – 180	$B_i + 17$	75	100	130	160	200	250	300	1.40 – 4.92

* in 1 mm width sections

Order example



MT0475

Type

128

B_i [mm]

RMD 01

Stay variant

100

KR [mm]

1425

L_k [mm]

VS

Stay arrangement

Divider systems

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

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

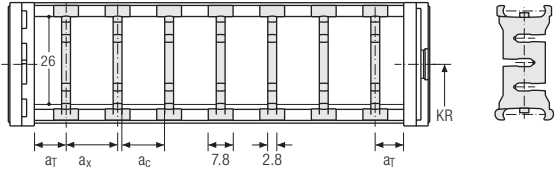
Inner heights



Divider system TS0 without height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	6	7.8	5	—

The dividers can be moved in the cross section.



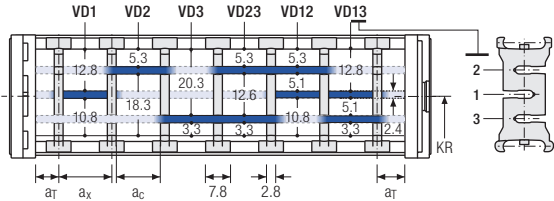
Inner widths



Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _T max [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	6	20	7.8	5	2

The dividers can be moved in the cross section.



Increments



Order example

TS1 . A . 3 - VD1
⋮
VD3

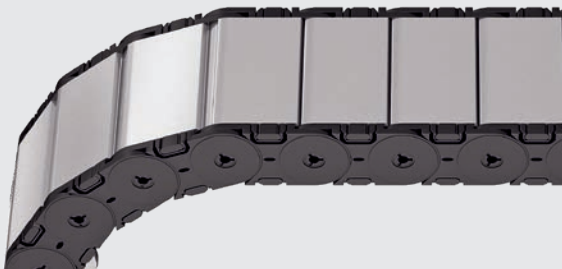
Divider system
Version
n_T
Height separation

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

If using divider systems with height separation (**TS1**) please also state the positions [e.g. VD1] viewed from the left driver belt. You are welcome to add a sketch to your order.

Aluminum cover RMD 02 – cover with hinge in the outer radius

- Aluminum cover system with hinge for light and medium loads. Assembly without screws.
- Available customized in **1 mm sections**.
- **Outside:** swivable to both sides.
- **Inside:** release by turning 90°.



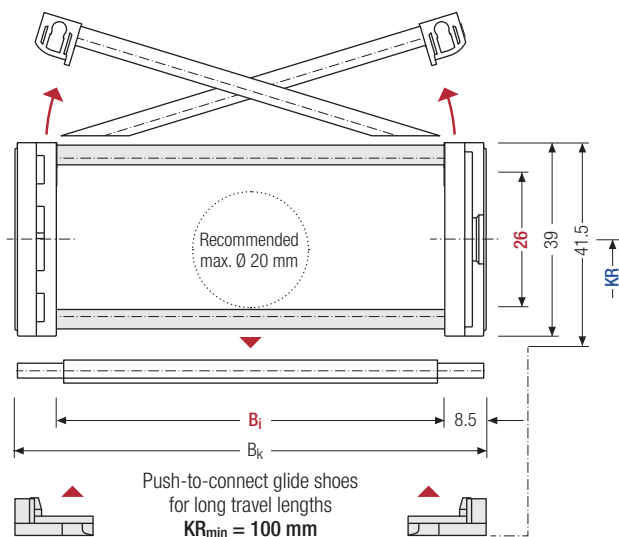
Key for abbreviations on page 16

Design guidelines from page 64

Technical support: technik@kabelschlepp.de

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

1 mm B_i 33 – 180 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

h _i [mm]	h _G [mm]	h _{G'} [mm]	B _i [mm]*	B _k [mm]	KR [mm]						q _k [kg/m]	
26	39	41.5	33 – 180	B _i + 17	75	100	130	160	200	250	300	1.40 – 4.92

* in 1 mm width sections

Order example

MT0475 Type · 128 B_i [mm] · RMD 02 Stay variant · 100 KR [mm] · 1425 L_k [mm] · VS Stay arrangement

Divider systems

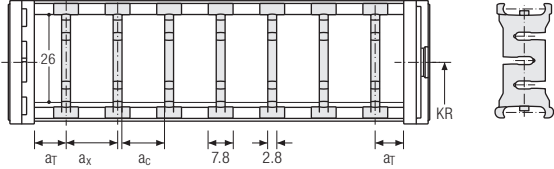
As a standard, the divider system is mounted on every 2nd chain link.

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

Divider system TS0 without height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	6	7.8	5	—

The dividers can be moved in the cross section.



Inner heights



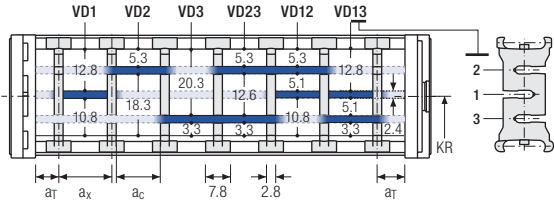
Inner widths



Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _T max [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	6	20	7.8	5	2

The dividers can be moved in the cross section.



Increments



Order example

TS1 . A . 3 - VD1
⋮
VD3

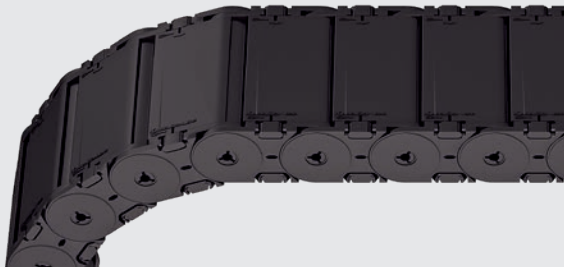
Divider system
Version
n_T
Height separation

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

If using divider systems with height separation (**TS1**) please also state the positions [e.g. VD1] viewed from the left driver belt. You are welcome to add a sketch to your order.

Plastic cover RDD 01 – cover with hinge in the inner radius

- Plastic cover system with hinge for light and medium loads. Assembly without screws.
- Available customized in **8 mm sections**.
- **Outside:** release by rotating 90°.
- **Inside:** swivable to both sides.



Key for abbreviations on page 16

Design guidelines from page 64

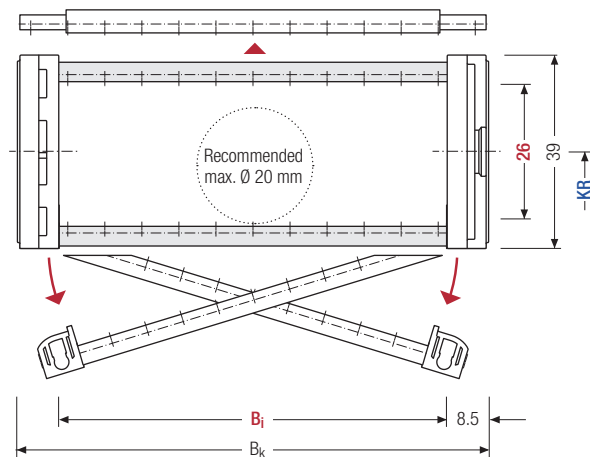
Technical support: technik@kabelschlepp.de



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



8 mm B_i 24 – 280 mm in 8 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

h _i [mm]	h _G [mm]	B _i [mm]										B _k [mm]	KR [mm]		q _k [kg/m]
26	39	24	32	40	48	56	64	72	80	88	96	B _i + 17	75	100	0.90 – 4.41
		104	112	120	128	136	144	152	160	168	176		130	160	
		184	192	200	208	216	224	232	240	248	256		200	250	
		264	272	280	300										

Order example

MT0475 Type · 128 B_i [mm] · RDD 01 Stay variant · 100 KR [mm] · 1425 L_k [mm] · VS Stay arrangement

Divider systems

As a standard, the divider system is assembled at every 2nd chain link.

For applications with lateral acceleration and laying on the side, the dividers or the complete divider system (dividers with height separations) are fixed in the cross section. The arresting cams click into place in the locking grids in the crossbars (**version B**).

Inner heights



Inner widths



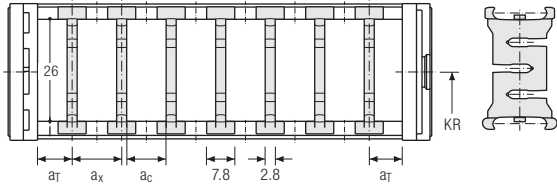
Increments



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Divider system TS0 without height separation

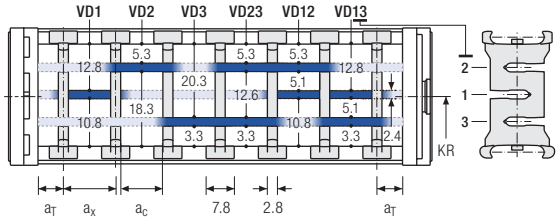
Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	a _x grid [mm]	n _T min
B	6	7.8	5	8	-



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
B	6	7.8	5	8	2

The dividers are fixed in the cross section (version B).

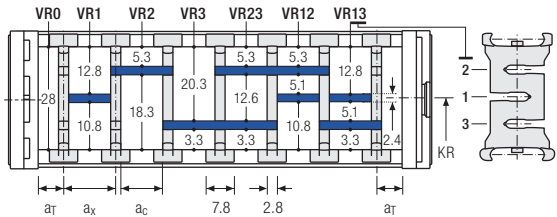


Divider system TS2 with partial height separation

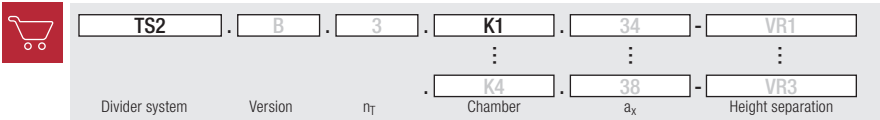
Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	a _x grid [mm]	n _T min
B	12	8*/24	5.2*/21.2	8	2

* for VR0

With grid distribution (8 mm grid). The dividers are fixed by the height separation, the grid is fixed in the cross section (version B).

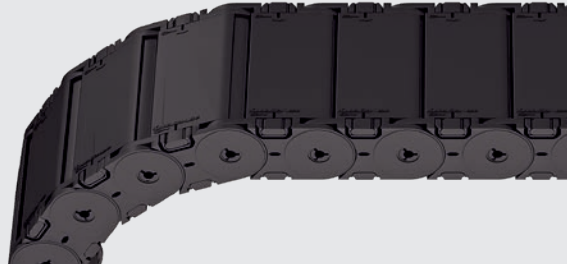


Order example



Plastic cover RDD 02 – cover with hinge in the outer radius

- Plastic cover system with hinge for light and medium loads. Assembly without screws.
- Available customized in **8 mm sections**.
- **Outside:** swivable to both sides.
- **Inside:** release by turning 90°.



Key for abbreviations on page 16

Design guidelines from page 64

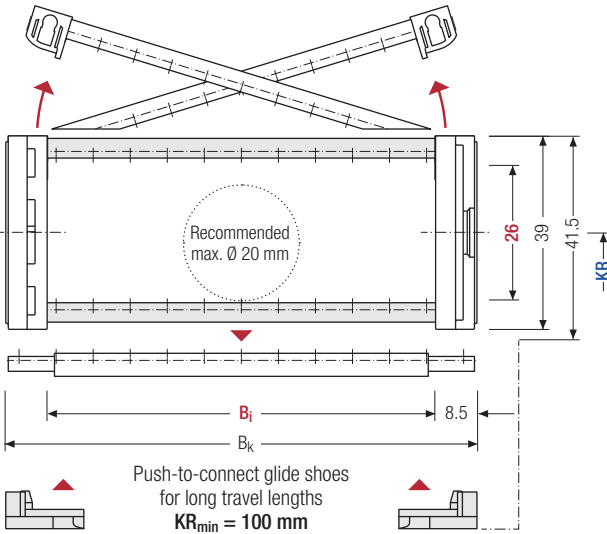
Technical support: technik@kabelschlepp.de



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



8 mm B_i 24 – 280 mm in 8 mm width sections



i 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

h _i [mm]	h _G [mm]	B _i [mm]										B _k [mm]	KR [mm]		q _k [kg/m]
26	39	24	32	40	48	56	64	72	80	88	96	B _i + 17	75	100	0.90 – 4.41
		104	112	120	128	136	144	152	160	168	176		130	160	
		184	192	200	208	216	224	232	240	248	256		200	250	
		264	272	280	300										

Order example

MT0475 · 128 · RDD 02 · 100 – 1425 VS
 Type B_i [mm] Stay variant KR [mm] L_k [mm] Stay arrangement

Divider systems

As a standard, the divider system is assembled at every 2nd chain link.

For applications with lateral acceleration and laying on the side, the dividers or the complete divider system (dividers with height separations) are fixed in the cross section. The arresting cams click into place in the locking grids in the crossbars (**version B**).

Inner heights



Inner widths



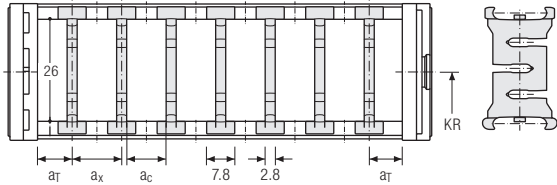
Increments



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Divider system TS0 without height separation

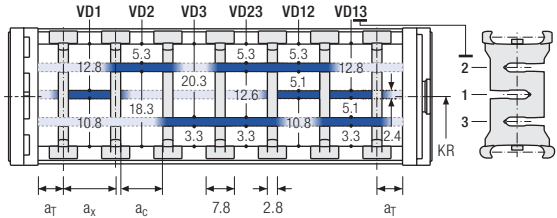
Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	a _x grid [mm]	n _T min
B	6	7.8	5	8	-



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
B	6	7.8	5	8	2

The dividers are fixed in the cross section (version B).

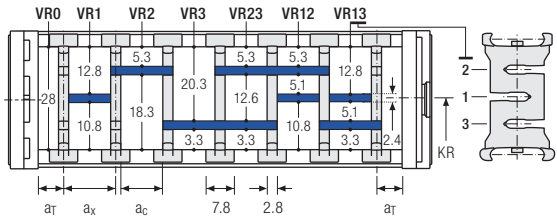


Divider system TS2 with partial height separation

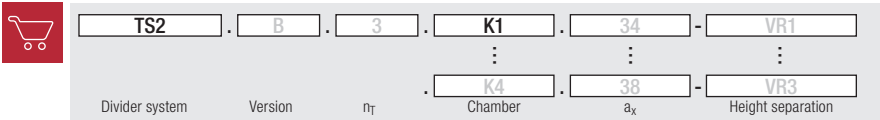
Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	a _x grid [mm]	n _T min
B	12	8*/24	5.2*/21.2	8	2

* for VRO

With grid distribution (8 mm grid). The dividers are fixed by the height separation, the grid is fixed in the cross section (version B).



Order example



MT0475 | End connectors | Plastic/steel

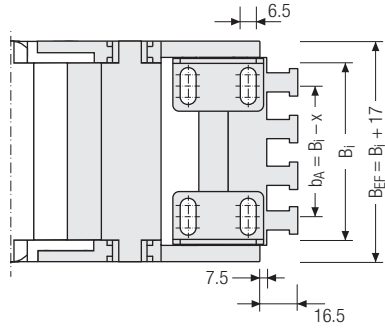
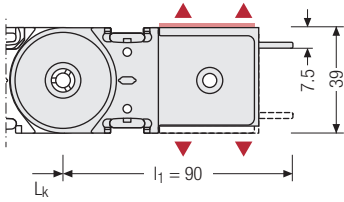
End connectors – plastic/steel (with strain relief)

Link end connector made of plastic, end connector made of sheet steel with screw-fixed aluminum strain relief. The connection variants on the fixed point and on the driver can be combined and, if required, changed afterwards.

Key for abbreviations on page 16

Design guidelines from page 64

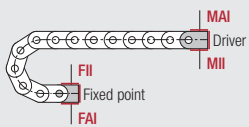
Technical support: technik@kabelschlepp.de



▲ Assembly options

B_i [mm]	x [mm]	n_z
40	17.5	3
56	21.5	4
80	17.5	6
104	19.0	8
128	19.5	9
152	17.5	11
192	18.5	14

Other widths only available without strain relief.



- Connection point**
F – fixed point
M – driver
- Connection surface**
I – connection surface inside
- Connection type**
A – threaded joint outside (standard)
I – threaded joint inside

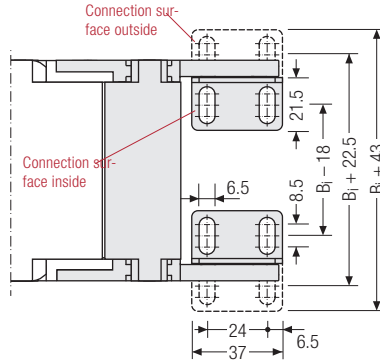
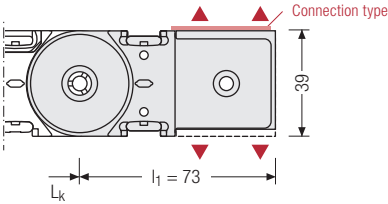
online-engineer.de
 Cable Carrier Configurator

Order example

Plastic/steel . F A I
Plastic/steel . M A I
 End connector Connection point Connection type Connection surface

End connectors – plastic/steel

Plastic link end connector, steel end connector. The connection variants on the fixed point and on the driver can be combined and, if required, changed afterwards.



▲ Assembly options

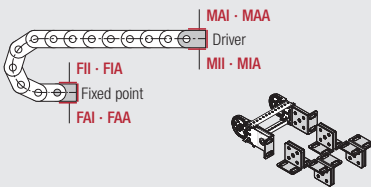
Inner heights



Inner widths



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Connection point

F – fixed point
M – driver

Connection surface

I – connection surface inside
A – connection surface outside

Connection type

A – threaded joint outside (standard)
I – threaded joint inside
F – flange connection

Order example



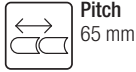
Plastic/steel	.	F	A	A
Plastic/steel	.	M	U	
End connector		Connection point	Connection type	Connection surface



We recommend the use of strain reliefs before driver and fixed point. See from p. 834.

MT0650

Key for abbreviations
on page 16



Pitch
65 mm



Inner height
38.5 mm



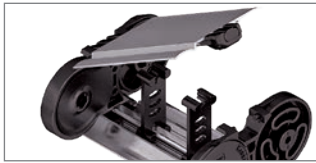
Inner widths
50 – 500 mm



Bending radii
95 – 350 mm

Stay variants

Design guidelines
from page 64



Aluminum cover RMD page 582

Cover with hinge in the outer radius “standard”

- Aluminum cover system with hinge for light and medium loads. Assembly without screws.
- **Outside:** swivable to both sides.
- **Inside:** release by turning 90°.



Plastic cover RDD page 584

Cover with hinge in the outer radius “standard”

- Plastic cover system with hinge for light and medium loads. Assembly without screws.
- **Outside:** swivable to both sides.
- **Inside:** release by turning by 90°.

Technical support:
technik@kabelschlepp.de



TOTALTRAX® complete systems

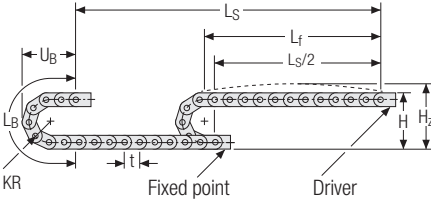
Benefit from the advantages of the TOTALTRAX® complete system. A complete delivery from one source – with a warranty certificate on request! Learn more at tsubaki-kabelschlepp.com/totaltrax



TRAXLINE® cables for cable carriers

Hi-flex electric cables which were especially developed, optimized and tested for use in cable carriers can be found at traxline.de

Unsupported arrangement



KR [mm]	H [mm]	H _z [mm]	L _B [mm]	U _B [mm]
95*	247	282	429	189
115	287	322	492	209
145	347	382	586	239
175	407	442	680	269
220	497	532	822	314
260	577	612	948	354
275	607	642	994	369
300	657	692	1073	394
350	757	792	1230	444

* not RMD

Inner heights



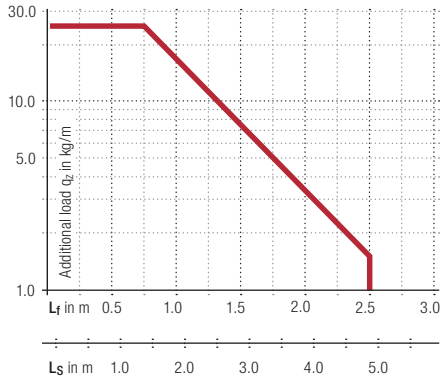
Inner widths



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.

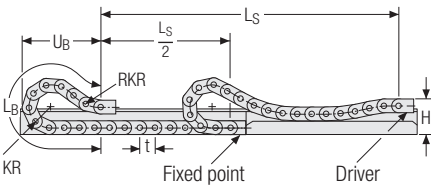
Intrinsic cable carrier weight $q_k = 3.5 \text{ kg/m}$. For other inner widths, the maximum additional load changes.



- Speed up to 10 m/s
- Acceleration up to 35 m/s²
- Travel length up to 4.8 m
- Additional load up to 25 kg/m

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Gliding arrangement | GO module with chain links optimized for gliding



KR [mm]	H [mm]	n _{RKR}	L _B [mm]	U _B [mm]
145	171	5	1625	691
175	171	5	1690	718
220	171	5	1950	810
260	171	5	2275	926
275	171	5	2405	973
300	171	5	2535	1014
350	171	5	2925	1152

- Speed up to 8 m/s
- Acceleration up to 20 m/s²
- Travel length up to 170 m
- Additional load up to 25 kg/m

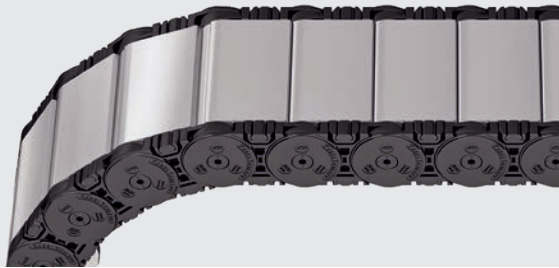
The gliding cable carrier must be guided in a channel. See p. 782.

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

Glide shoes have to be used for gliding applications.

Aluminum cover RMD – cover with hinge in the outer radius

- Aluminum cover system with hinge for light and medium loads. Assembly without screws.
- Available customized in **1 mm sections**.
- **Outside:** swivable to both sides.
- **Inside:** release by turning 90°.



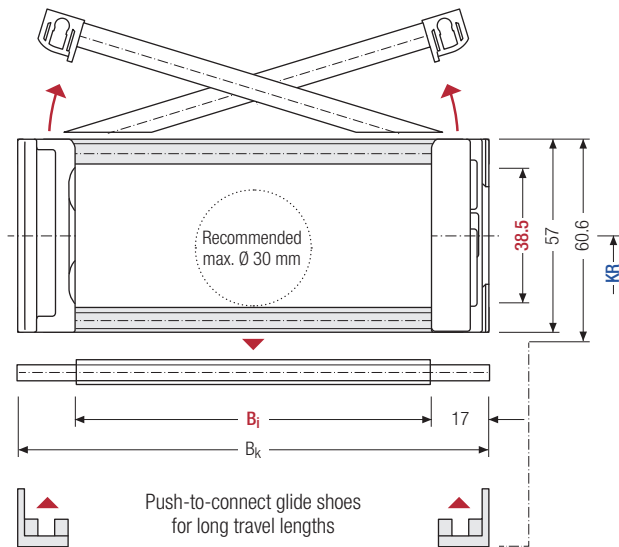
Key for abbreviations on page 16

Design guidelines from page 64

Technical support: technik@kabelschlepp.de

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

1 mm B_i 100 – 500 mm in 1 mm width sections



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

For rough environmental conditions, we recommend the use of OFFROAD glide shoes with 80 % higher wear volume.

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 [mm]	h _G [mm]	h _{G'} [mm]	h _{G'} Offroad [mm]	B _i [mm]*	B _k [mm]	KR [mm]				q _k [kg/m]
38.5	57	60.6	62.2	100 – 500	B _i + 34	115	145	175	220	3.73 – 10.12
						260	275	300	350	

* in 1 mm width sections

Order example

MT0650 Type · 300 B_i [mm] · RMD Stay variant · 175 KR [mm] - 1430 L_k [mm] · VS Stay arrangement

Divider systems

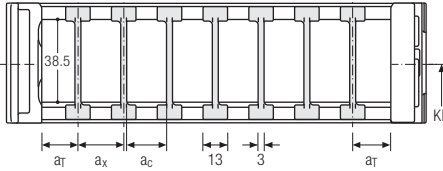
As a standard, the divider system is mounted on every 2nd chain link.

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
A	16	13	10	–

The dividers can be moved in the cross section.



Inner heights

38.5

Inner widths

100
500

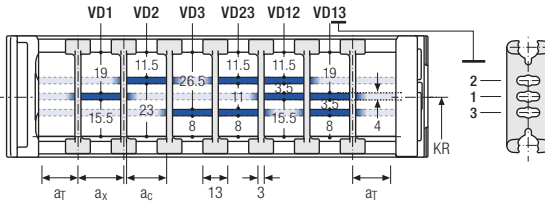
Increments

1 mm

Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _T max [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	16	40	13	10	2

The dividers can be moved in the cross section.



Order example

TS1

A

3

VD1

·

·

-

VD1

⋮

VD3

-

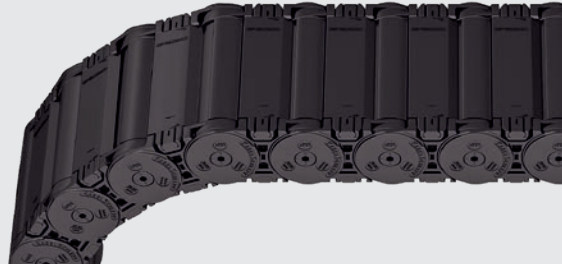
Divider system Version n_T Height separation

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

If using divider systems with height separation (**TS1**) please also state the positions [e.g. VD1] viewed from the left driver belt. You are welcome to add a sketch to your order.

Plastic cover RDD – cover with hinge in the outer radius

- Plastic cover system with hinge for light and medium loads. Assembly without screws.
- Available customized in **8 mm sections**.
- **Outside:** swivable to both sides.
- **Inside:** release by turning 90°.




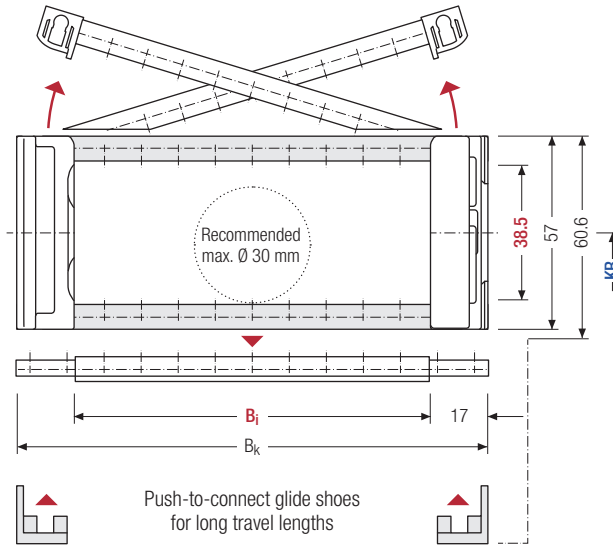
Key for abbreviations on page 16


Design guidelines from page 64


Technical support: technik@kabelschlepp.de

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

 8 mm B_i 50 – 258 mm in 8 mm width sections



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

 For rough environmental conditions, we recommend the use of OFFROAD glide shoes with 80 % higher wear volume.

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 [mm]	h _G [mm]	h _{G'} [mm]	h _{G'} Offroad [mm]	B _i [mm]						B _k [mm]	KR [mm]			q _k [kg/m]	
38.5	57	60.6	62.2	50	58	66	74	82	90	98	B _i + 34	95	115	145	2.40
				106	114	122	130	138	146	154		175	220	260	
				162	170	178	186	194	202	210		275	300	350	3.70
				218	226	234	242	250	258						

Order example

 **MT0650** Type · **300** B_i [mm] · **RDD** Stay variant · **175** KR [mm] · **1430** L_k [mm] · **VS** Stay arrangement

Divider systems

As a standard, the divider system is assembled at every 2nd chain link.

For applications with lateral acceleration and laying on the side, the dividers or the complete divider system (dividers with height separations) are fixed in the cross section. The arresting cams click into place in the locking grids in the crossbars (**version B**).

Inner heights



Inner widths



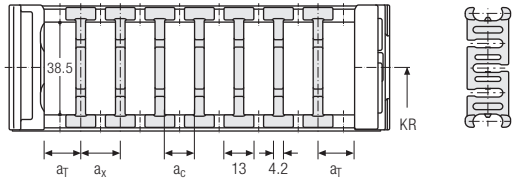
Increments



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
B	13	16	11.8	8	—

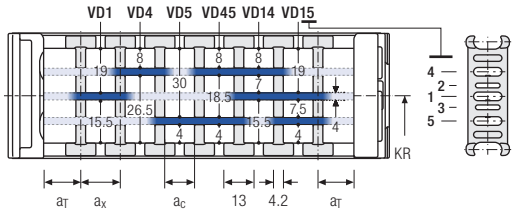
The dividers are fixed in the cross section (version B).



Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _T max [mm]	a _x min [mm]	a _c min [mm]	a _x grid [mm]	n _T min
B	13	21	16	11.8	8	2

The dividers are fixed in the cross section (version B).



Order example

TS1

A

3

VD1

-

⋮

VD3

Divider system
Version
n_T
Height separation

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.

MT0650 | End connectors

Key for abbreviations on page 16

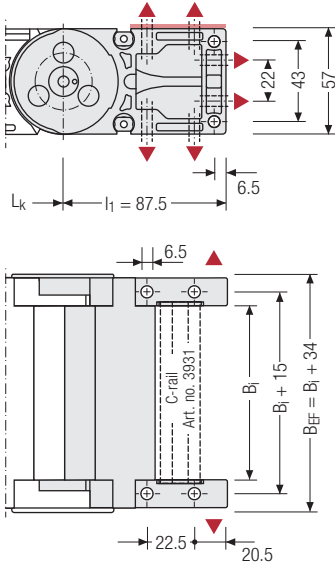
Design guidelines from page 64

Technical support: technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

Universal end connectors UMB – plastic (standard)

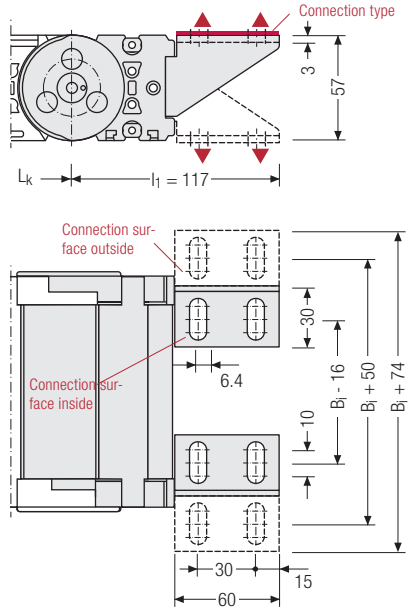
The universal end connectors (UMB) are made from plastic and can be mounted from the top, from the bottom, face on or from the side.



Recommended tightening torque: 11 Nm for cheese-head screws ISO 4762 - M6 - 8.8

End connectors – plastic/steel

Plastic link end connector, steel end connector. The connection variants on the fixed point and on the driver can be combined and, if required, changed afterwards.



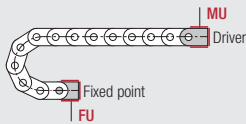
Assembly options

Connection point

- F** – fixed point
- M** – driver

Connection type

- U** – universal end connector

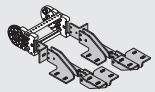
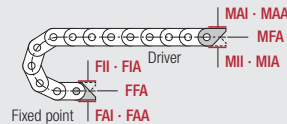


Connection point

- F** – fixed point
- M** – driver

Connection type

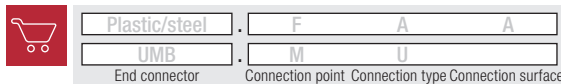
- A** – threaded joint outside (standard)
- I** – threaded joint inside
- F** – flange connection



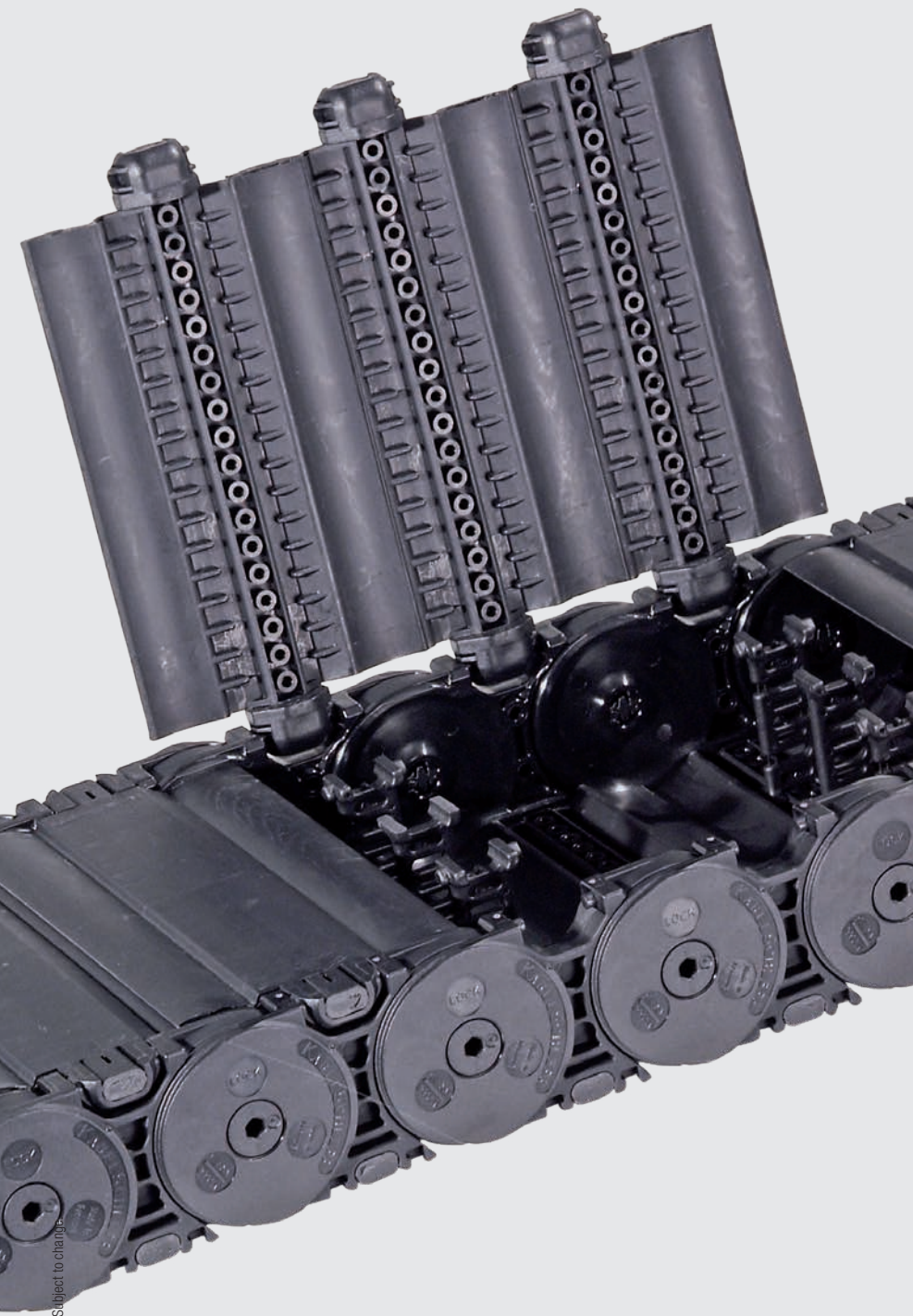
Connection surface

- I** – connection surface inside
- A** – connection surface outside

Order example



We recommend the use of strain reliefs before driver and fixed point. See from p. 834.



Subject to change

MT series

Inner heights



Inner widths



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MT0950

Key for abbreviations
on page 16



Pitch
95 mm



Inner heights
54.5 mm



Inner widths
77 – 600 mm



Bending radii
140 – 380 mm

Stay variants

Design guidelines
from page 64



Aluminum cover RMD page 590

Cover with hinge in the outer radius “standard”

- Aluminum cover system with hinge for light and medium loads. Assembly without screws.
- **Outside:** swivable to both sides.
- **Inside:** release by turning 90°.



Plastic cover RDD page 592

Cover with hinge in the outer radius “standard”

- Plastic cover system with hinge for light and medium loads. Assembly without screws.
- **Outside:** swivable to both sides.
- **Inside:** release by turning by 90°.

Technical support:
technik@kabelschlepp.de



TOTALTRAX® complete systems

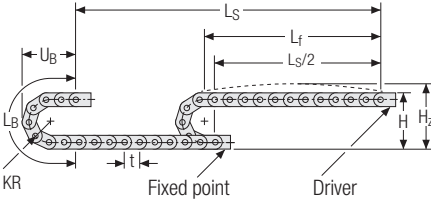
Benefit from the advantages of the TOTALTRAX® complete system. A complete delivery from one source – with a warranty certificate on request! Learn more at tsubaki-kabelschlepp.com/totaltrax



TRAXLINE® cables for cable carriers

Hi-flex electric cables which were especially developed, optimized and tested for use in cable carriers can be found at traxline.de

Unsupported arrangement



KR [mm]	H [mm]	H _z [mm]	L _B [mm]	U _B [mm]
140*	360	405	630	275
170*	420	465	725	305
200	480	525	819	335
260	600	645	1007	395
290	660	705	1102	425
320	720	765	1196	445
380	840	885	1384	515

* not RMD

Inner heights



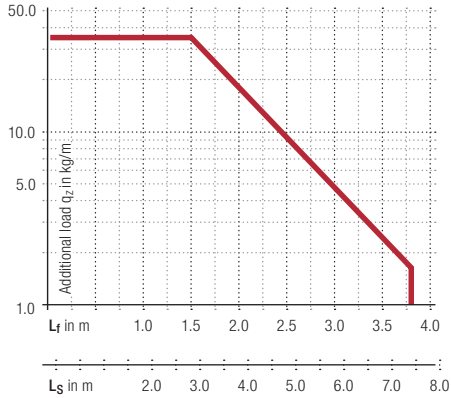
Inner widths



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 $q_k = 7 \text{ kg/m}$. For other inner widths, the maximum additional load changes.



Speed
up to 10 m/s

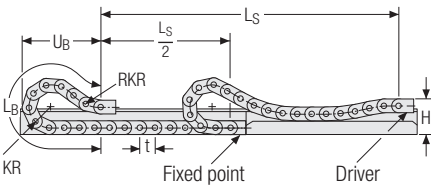
Acceleration
up to 25 m/s²

Travel length
up to 7.4 m

Additional load
up to 35 kg/m

tsubaki-kabelschlepp.com/mt

Gliding arrangement | GO module with chain links optimized for gliding



KR [mm]	H [mm]	n _{RKR}	L _B [mm]	U _B [mm]
170*	240	4	1710	773
200	240	4	1995	888
260	240	4	2565	1114
290	240	4	2755	1183
320	240	4	3040	1296
380	240	4	3610	1523

* not RMD

Speed
up to 8 m/s

Acceleration
up to 20 m/s²

Travel length
up to 230 m

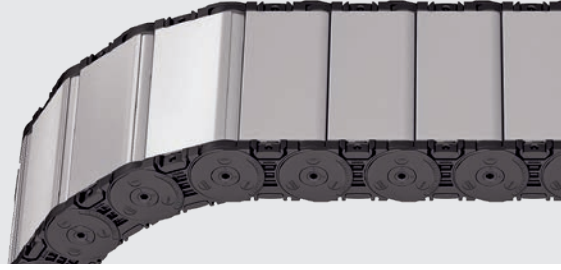
Additional load
up to 35 kg/m

The gliding cable carrier must be guided in a channel. See p. 782.

The GO module mounted on the driver is a defined sequence of 4 adapted KR/RKR link plates. Glide shoes have to be used for gliding applications.

Aluminum cover RMD – cover with hinge in the outer radius

- Aluminum cover system with hinge for light and medium loads. Assembly without screws.
- Available customized in **1 mm sections**.
- **Outside:** swivable to both sides.
- **Inside:** release by turning 90°.



Key for abbreviations on page 16

Design guidelines from page 64

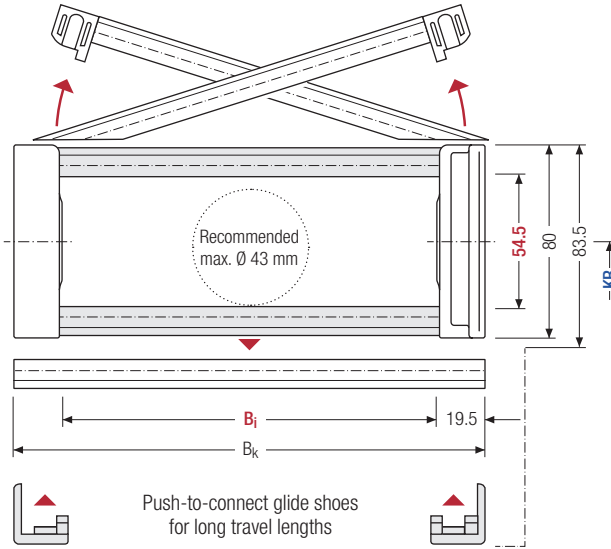
Technical support: technik@kabelschlepp.de



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



1 mm B_i 100 – 600 mm in 1 mm width sections



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

i For rough environmental conditions, we recommend the use of OFFROAD glide shoes with 80 % higher wear volume.

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 [mm]	h _G [mm]	h _{G'} [mm]	h _{G'} Offroad [mm]	B _i [mm]*	B _k [mm]	KR [mm]	q _k [kg/m]
54.5	80	83.5	86	100 – 600	B _i + 39	200 260 290 320 380	6.12 – 17.13

* in 1 mm width sections

Order example

MT0950
Type
400
B_i [mm]
RMD
Stay variant
200
KR [mm]
2850
L_k [mm]
VS
Stay arrangement

Divider systems

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

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

Inner heights



Inner widths



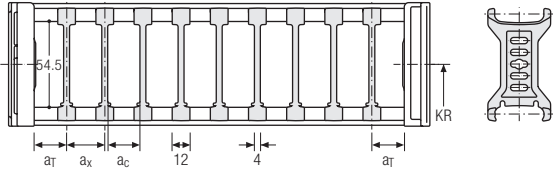
Increments



Divider system TS0 without height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	3.5	12	8	—

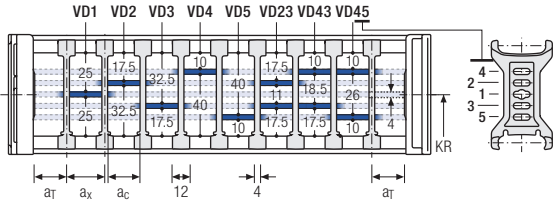
The dividers can be moved in the cross section.



Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _T max [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	3.5	25	12	8	2

The dividers can be moved in the cross section.

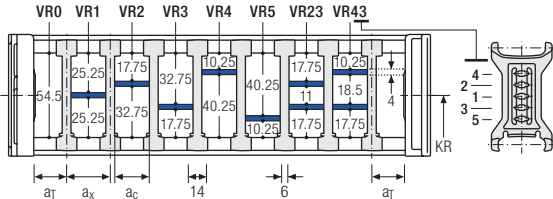


Divider system TS2 with partial height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	4.5	21	15	2

With grid distribution (1 mm grid). The dividers are attached by the height separation, the grid can be moved in the cross section.

Sliding dividers are optionally available (thickness of divider = 4 mm).



Order example

TS2 ·
 A ·
 3 ·
 K1 ·
 34 -
 VR1
 ⋮
 ⋮
 ⋮
K4 ·
 38 -
 VR3

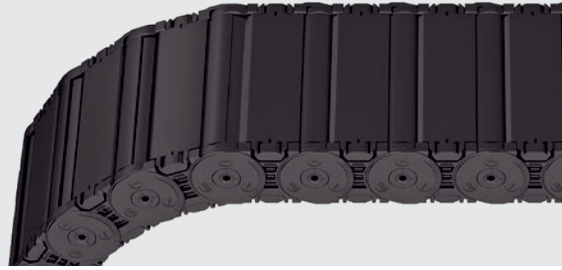
Divider system
Version
n_T
Chamber
a_x
Height separation

Please state the designation of the divider system (TS0, TS1 ...), version and 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] (as seen from the driver).

If using divider systems with height separation (TS1 – TS2) please also state the positions [e.g. VD23] viewed from the left driver belt. You are welcome to add a sketch to your order.

Plastic cover RDD – cover with hinge in the outer radius

- Plastic cover system with hinge for light and medium loads. Assembly without screws.
- Available customized in **16 mm sections**.
- **Outside:** swivable to both sides.
- **Inside:** release by turning 90°.




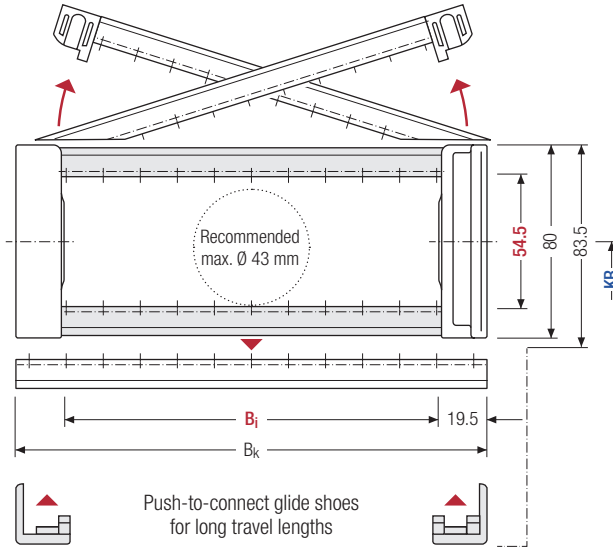
Key for abbreviations on page 16


Design guidelines from page 64


Technical support: technik@kabelschlepp.de

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

 **16 mm** B_i 77 – 349 mm in 16 mm width sections



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

 For rough environmental conditions, we recommend the use of OFFROAD glide shoes with 80 % higher wear volume.

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 [mm]	h _G [mm]	h _{G'} [mm]	h _{G'} Offroad [mm]	B _i [mm]							B _k [mm]	KR [mm]			q _k [kg/m]	
54.5	80	83.5	86	77	93	109	125	141	157	173	B _i + 39	140	170	200	4.3	
				189	205	221	237	253	269	285		260	290	320		–
				301	317	333	349					380				7.7

Order example

 **MT0950** Type · **269** B_i [mm] · **RDD** Stay variant · **200** KR [mm] · **2850** L_k [mm] · **VS** Stay arrangement

Divider systems

As a standard, the divider system is assembled at every 2nd chain link.

For applications with lateral acceleration and laying on the side, the dividers or the complete divider system (dividers with height separations) are fixed in the cross section. The arresting cams click into place in the locking grids in the crossbars (**version B**).

Inner heights



Inner widths



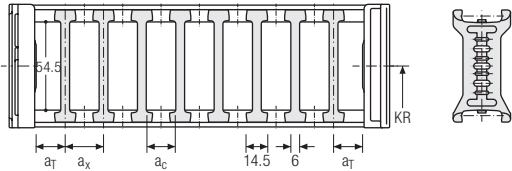
Increments



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
B	22.5	16	10	16	—

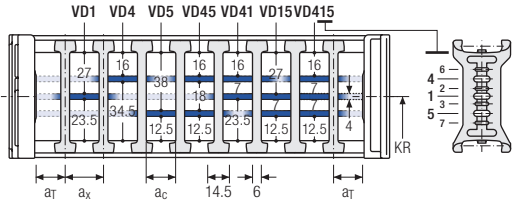
The dividers are fixed in the cross section (version B).



Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _T max [mm]	a _x min [mm]	a _c min [mm]	a _x grid [mm]	n _T min
B	22.5	22.5	16	10	16	2

The dividers are fixed in the cross section (version B).

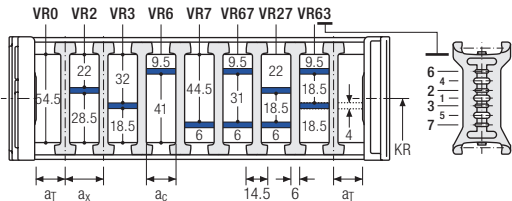


Divider system TS2 with partial height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	a _x grid [mm]	n _T min
B	22.5	16/32	10/26	16	2

* for VR0

With grid distribution (16 mm grid). The dividers are fixed by the height separation, the grid is fixed in the cross section (version B).



More product information online



Assembly instructions etc.: Additional info via your smartphone or check online at tsubaki-kabelschlepp.com/support



Configure your custom cable carrier here: onlineengineer.de

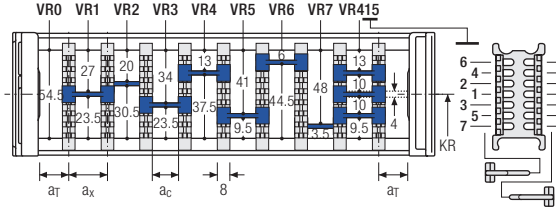
MT0950 RDD | Inner distribution | TS3

Divider system TS3 with height separation made of plastic partitions

Vers.	a_T min [mm]	a_x min [mm]	a_c min [mm]	n_T min
B	6.5	16 / 42*	8	2

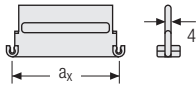
* For aluminum partitions

The dividers are fixed by the partitions, the complete divider system is movable in the cross section.



Key for abbreviations on page 16

Design guidelines from page 64



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

a_x (center distance of dividers) [mm]												
a_c (nominal width of inner chamber) [mm]												
16	32	48	64	80	96	112	128	144	160	176	192	208
8	24	40	56	72	88	104	120	136	152	168	184	200

When using plastic partitions with $a_x > 112$ mm, we recommend an additional center support with a twin divider ($S_T = 4$ mm). Twin dividers are also suitable for retrofitting in the partition system.

Order example

TS3

B

3

K1

34

VR1

⋮

⋮

⋮

K4

38

VR3

Divider system
Version
 n_T
Chamber
 a_x
Height separation

Please state the designation of the divider system (TS0, TS1 ...), version and 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 $[a_T/a_x]$ (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.

Technical support: technik@kabelschlepp.de

More product information online



Assembly instructions etc.: Additional info via your smartphone or check online at tsubaki-kabelschlepp.com/support



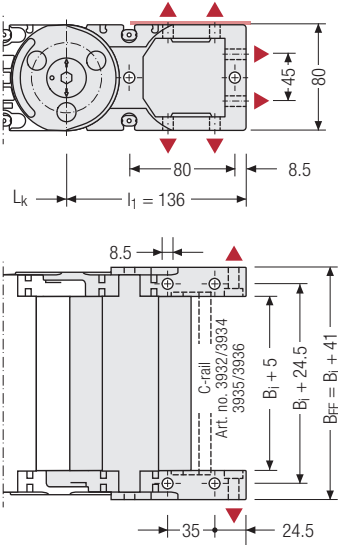
Configure your custom cable carrier here: onlineengineer.de

MT0950 | End connectors

MT series

Universal end connectors UMB – plastic (standard)

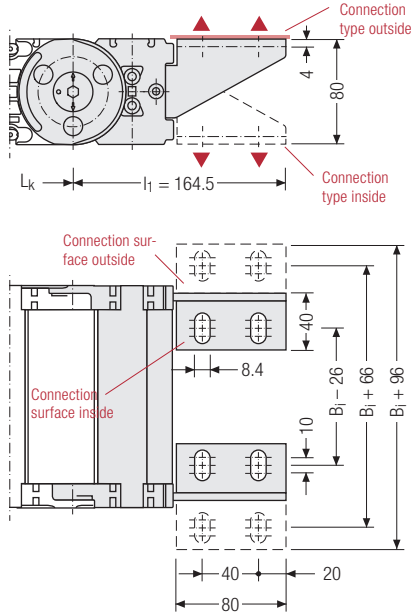
The universal end connectors (UMB) are made from plastic and can be mounted from the top, from the bottom, face on or from the side.



Recommended tightening torque: 27 Nm for cheese-head screws ISO 4762 - M8 - 8.8

End connectors – plastic/steel

Plastic link end connector, steel end connector. The connection variants on the fixed point and on the driver can be combined and, if required, changed afterwards.



Assembly options

Inner heights



Inner widths



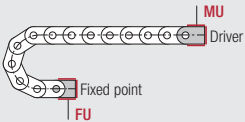
tsubaki-kabelschlepp.com/mt

Connection point

- F – fixed point
- M – driver

Connection type

- U – universal end connector



Connection point

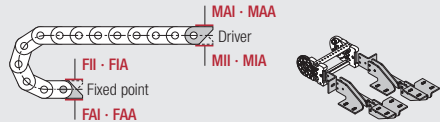
- F – fixed point
- M – driver

Connection surface

- I – connection surface inside
- A – connection surface outside

Connection type

- A – threaded joint outside (standard)
- I – threaded joint inside



Order example



Plastic/steel	F	A	A
UMB	M	U	
End connector	Connection point Connection type Connection surface		



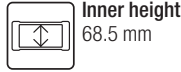
We recommend the use of strain reliefs before driver and fixed point. See from p. 834.

MT1250

Key for abbreviations
on page 16



Pitch
125 mm



Inner height
68.5 mm



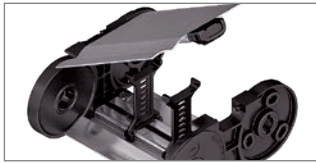
Inner widths
103 – 800 mm



Bending radii
220 – 500 mm

Stay variants

Design guidelines
from page 64



Aluminum cover RMD page 598

Cover with hinge in the outer radius “standard”

- Aluminum cover system with hinge for light and medium loads. Assembly without screws.
- **Outside:** swivable to both sides.
- **Inside:** release by turning 90°.



Plastic cover RDD page 600

Cover with hinge in the outer radius “standard”

- Plastic cover system with hinge for light and medium loads. Assembly without screws.
- **Outside:** swivable to both sides.
- **Inside:** release by turning by 90°.

Technical support:
technik@kabelschlepp.de



TOTALTRAX® complete systems

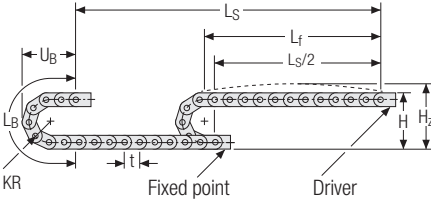
Benefit from the advantages of the TOTALTRAX® complete system. A complete delivery from one source – with a warranty certificate on request! Learn more at tsubaki-kabelschlepp.com/totaltrax



TRAXLINE® cables for cable carriers

Hi-flex electric cables which were especially developed, optimized and tested for use in cable carriers can be found at traxline.de

Unsupported arrangement



KR [mm]	H [mm]	H _z [mm]	L _B [mm]	U _B [mm]
220*	536	586	942	393
260	616	666	1067	433
300	696	746	1193	473
340	776	826	1319	513
380	856	906	1444	553
500	1096	1146	1821	673

* not RMD

Inner heights



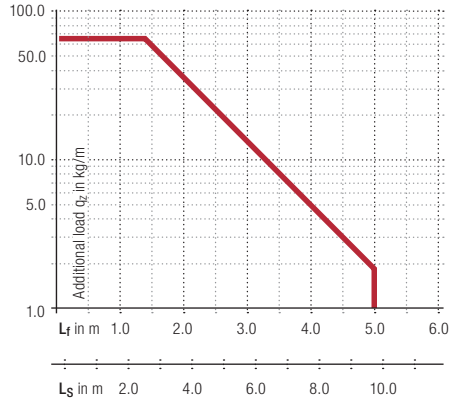
Inner widths



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 $q_k = 8.0$ kg/m. For other inner widths, the maximum additional load changes.



Speed
up to 10 m/s

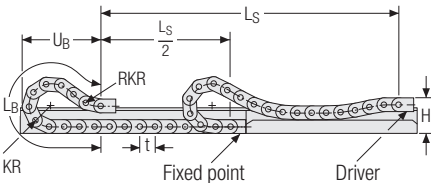
Acceleration
up to 20 m/s²

Travel length
up to 9.7 m

Additional load
up to 65 kg/m

tsubaki-kabelschlepp.com/mt

Gliding arrangement | GO module with chain links optimized for gliding



KR [mm]	H [mm]	η_{RKR}	L _B [mm]	U _B [mm]
220*	288	4	2500	1088
260	288	4	2625	1140
300	288	4	2750	1177
340	288	4	3125	1318
380	288	4	3375	1403
500	288	4	4375	1770

* not RMD

Speed
up to 8 m/s

Acceleration
up to 20 m/s²

Travel length
up to 270 m

Additional load
up to 65 kg/m

The gliding cable carrier must be guided in a channel. See p. 782.

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

Glide shoes have to be used for gliding applications.

Aluminum cover RMD – cover with hinge in the outer radius

- Aluminum cover system with hinge for light and medium loads. Assembly without screws.
- Available customized in **1 mm sections**.
- **Outside:** swivable to both sides.
- **Inside:** release by turning 90°.



Key for abbreviations on page 16

Design guidelines from page 64

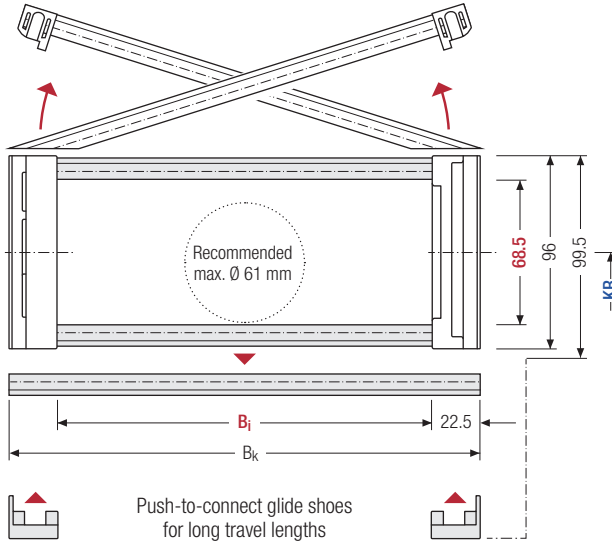
Technical support: technik@kabelschlepp.de



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



1 mm B_i 150 – 800 mm in 1 mm width sections



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

i For rough environmental conditions, we recommend the use of OFFROAD glide shoes with 80 % higher wear volume.

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 [mm]	h _G [mm]	h _{G'} [mm]	h _{G'} Offroad [mm]	B _i [mm]*	B _k [mm]	KR [mm]				q _k [kg/m]	
68.5	96	99.5	103	150 – 800	B _i + 45	260	300	340	380	500	9.29 – 26.34

* in 1 mm width sections

Order example



MT1250

Type

600

B_i [mm]

RMD

Stay variant

300

KR [mm]

4250

L_k [mm]

VS

Stay arrangement

Divider systems

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

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

Inner heights



Inner widths



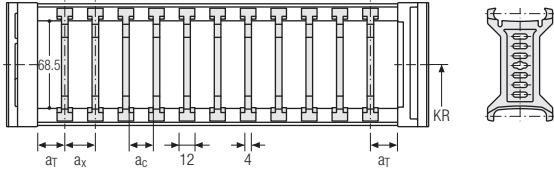
Increments



Divider system TSO without height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	6	12	8	—

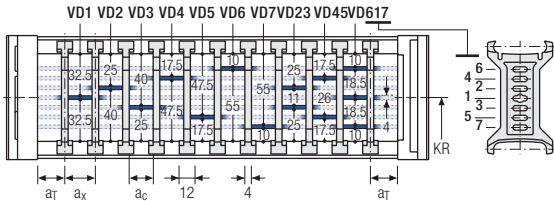
The dividers can be moved in the cross section.



Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _T max [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	6	25	12	8	2

The dividers can be moved in the cross section.

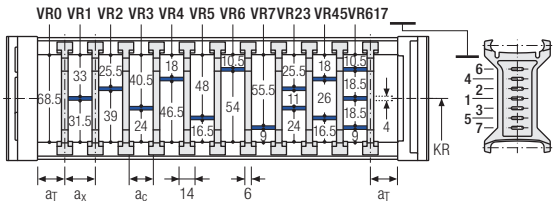


Divider system TS2 with partial height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
A	7	21	15	2

With grid distribution (**1 mm grid**). The dividers are attached by the height separation, the grid can be moved in the cross section.

Sliding dividers are optionally available (thickness of divider = 4 mm).



Order example

TS2

A

3

K1

34

VR1

.

K4

.

38

-

VR3

Divider system
Version
n_T
Chamber
a_x
Height separation

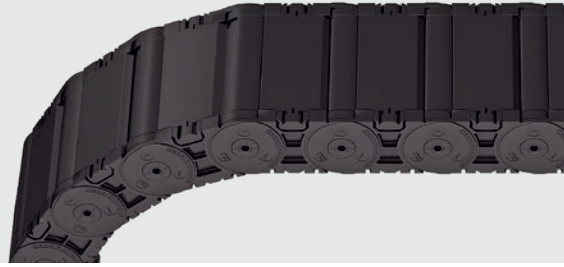
Please state the designation of the divider system (**TS0, TS1 ...**), version and number of dividers per cross section [n_T]. In addition, please also enter the chambers [K] from left to right, as well as the assembly distances [a_T/a_x] (as seen from the driver).

If using divider systems with height separation (**TS1 – TS2**) please also state the positions [e.g. VD23] viewed from the left driver belt. You are welcome to add a sketch to your order.

MT1250 RDD | Dimensions · Technical data

Plastic cover RDD – cover with hinge in the outer radius

- Plastic cover system with hinge for light and medium loads. Assembly without screws.
- Available customized in **16 mm sections**.
- **Outside:** swivable to both sides.
- **Inside:** release by turning 90°.




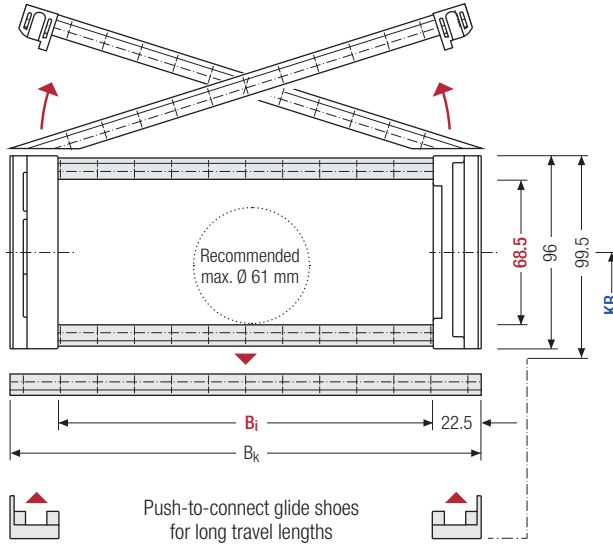
Key for abbreviations on page 16


Design guidelines from page 64


Technical support: technik@kabelschlepp.de

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

 **16 mm** B_i 103 – 359 mm in 16 mm width sections



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

 For rough environmental conditions, we recommend the use of OFFROAD glide shoes with 80 % higher wear volume.

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 [mm]	h _G [mm]	h _{G'} [mm]	h _{G'} Offroad [mm]	B _i [mm]								B _k [mm]	KR [mm]	q _k [kg/m]		
68.5	96	99.5	103	103	119	135	151	167	183	199	215	B _i + 45	220	260	5.7	
				231	247	263	279	295	311	327	343		300	340		–
				359									380	500		8.9

Order example


MT1250 Type · 295 B_i [mm] · RDD Stay variant · 300 KR [mm] · 4250 L_k [mm] · VS Stay arrangement

Divider systems

As a standard, the divider system is assembled at every 2nd chain link.

For applications with lateral acceleration and laying on the side, the dividers or the complete divider system (dividers with height separations) are fixed in the cross section. The arresting cams click into place in the locking grids in the crossbars (**version B**).

Inner heights



Inner widths



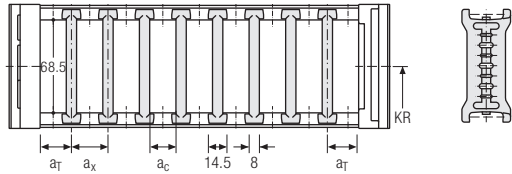
Increments



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
B	19.5	16	8	16	—

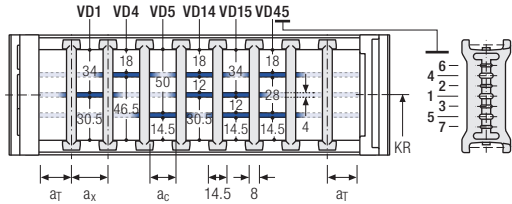
The dividers are fixed in the cross section (version B).



Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _T max [mm]	a _x min [mm]	a _c min [mm]	a _x grid [mm]	n _T min
B	19.5	19.5	16	8	16	2

The dividers are fixed in the cross section (version B).

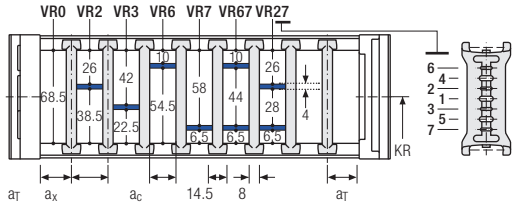


Divider system TS2 with partial height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	a _x grid [mm]	n _T min
B	19.5	16*/32	8*/24	16	2

* for VR0

With grid distribution (16 mm grid). The dividers are fixed by the height separation, the grid is fixed in the cross section (version B).



More product information online



Assembly instructions etc.: Additional info via your smartphone or check online at tsubaki-kabelschlepp.com/support



Configure your custom cable carrier here: onlineengineer.de

MT1250 RDD | Inner distribution | TS3

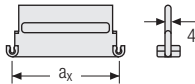
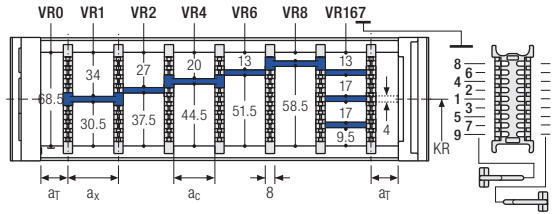
Divider system TS3 with height separation made of plastic partitions

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	n _T min
B	4 / 16*	16 / 42**	8	2

* For VRO

** For aluminum partitions.

The dividers are fixed by the partitions, the complete divider system is fixed in the cross section.



a _x (center distance of dividers) [mm]												
a _c (nominal width of inner chamber) [mm]												
16	32	48	64	80	96	112	128	144	160	176	192	208
8	24	40	56	72	88	104	120	136	152	168	184	200

Aluminum partitions in 1 mm width sections with a_x > 42 mm are also available.

When using **plastic partitions with a_x > 112 mm**, we recommend an additional center support with a **twin divider** (S_T = 4 mm). Twin dividers are also suitable for retrofitting in the partition system. The height separations VR8 and VR9 are not possible when using twin dividers.

Order example

TS3

B

3

K1

34

VR1

K4

38

VR3

Divider system
Version
n_T
Chamber
a_x
Height separation

Please state the designation of the divider system (TS0, TS1 ...), version and 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] (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.

More product information online



Assembly instructions etc.: Additional info via your smartphone or check online at tsubaki-kabelschlepp.com/support



Configure your custom cable carrier here: onlineengineer.de

Key for abbreviations on page 16

Design guidelines from page 64

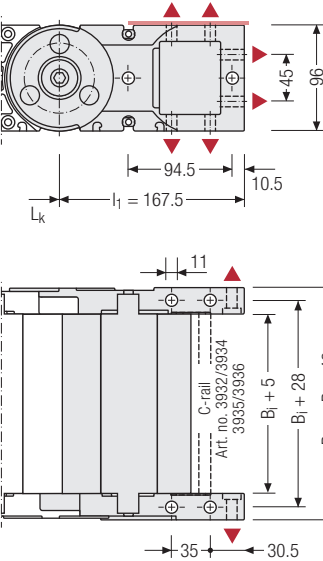
Technical support: technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

MT1250 | End connectors

Universal end connectors UMB – plastic (standard)

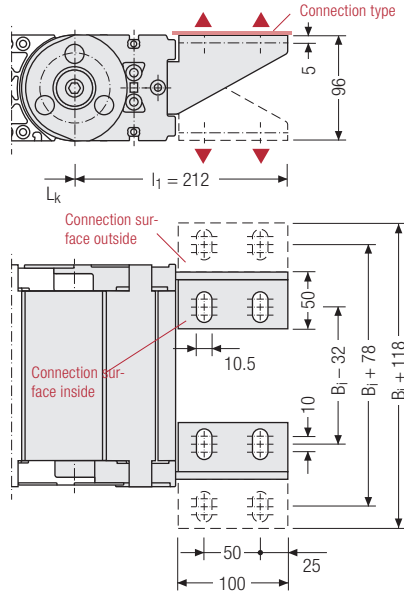
The universal end connectors (UMB) are made from plastic and can be mounted from the top, from the bottom, face on or from the side.



Recommended tightening torque: 54 Nm for cheese-head screws ISO 4762 - M10 - 8.8

End connectors – plastic/steel

Plastic link end connector, steel end connector. Connection variants on the fixed point and on the driver can be combined and, if required, changed afterwards.



Assembly options

Inner heights



Inner widths

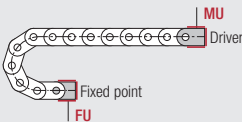


Connection point

- F – fixed point
- M – driver

Connection type

- U – universal end connector



Connection point

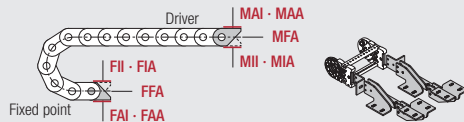
- F – fixed point
- M – driver

Connection surface

- I – connection surface inside
- A – connection surface outside

Connection type

- A – threaded joint outside (standard)
- I – threaded joint inside
- F – flange connection



Order example



Plastic/steel	F	A	A
UMB	M	U	
End connector	Connection point	Connection type	Connection surface



We recommend the use of strain reliefs before driver and fixed point. See from p. 834.

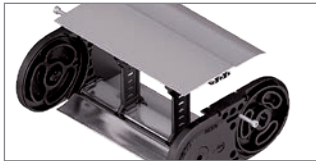
MT1300

Key for abbreviations
on page 16



Stay variants

Design guidelines
from page 64



Aluminum cover RMD page 606

Solid cover

- Aluminum cover system for heavy loads and maximum cable carrier widths. Threaded joint on both sides.
- **Outside/inside:** threaded joint easy to release.

Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator



TOTALTRAX® complete systems

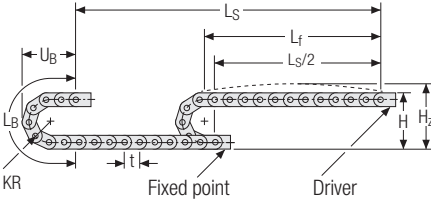
Benefit from the advantages of the TOTALTRAX® complete system. A complete delivery from one source – with a warranty certificate on request! Learn more at tsubaki-kabelschlepp.com/totaltrax



TRAXLINE® cables for cable carriers

Hi-flex electric cables which were especially developed, optimized and tested for use in cable carriers can be found at traxline.de

Unsupported arrangement



KR [mm]	H [mm]	H ₂ [mm]	L _B [mm]	U _B [mm]
240	660	720	1014	430
280	740	800	1140	470
320	820	880	1266	510
360	900	960	1391	550
400	980	1040	1517	590
500	1180	1240	1831	690

Inner heights



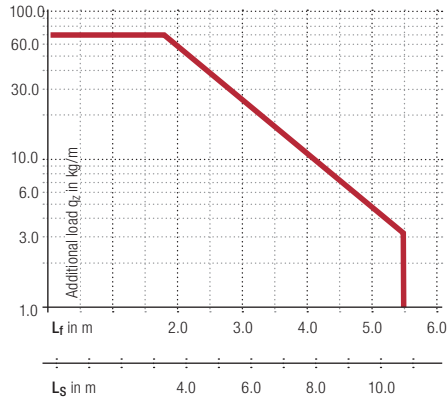
Inner widths



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 $q_k = 8.0 \text{ kg/m}$. For other inner widths, the maximum additional load changes.



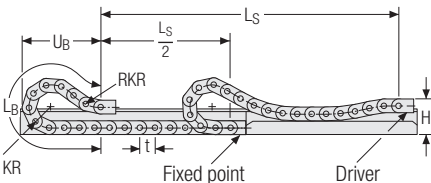
Speed
up to 10 m/s

Acceleration
up to 20 m/s^2

Travel length
up to 10.8 m

Additional load
up to 70 kg/m

Gliding arrangement | GO module with chain links optimized for gliding



KR [mm]	H [mm]	n_{RKR}	L _B [mm]	U _B [mm]
240	360	4	2730	1180
320	360	4	2880	1240
360	360	4	3140	1331
500	360	4	4310	1756

Speed
up to 8 m/s

Acceleration
up to 20 m/s^2

Travel length
up to 300 m

Additional load
up to 70 kg/m

The gliding cable carrier must be guided in a channel. See p. 782.

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

Glide shoes have to be used for gliding applications.

Aluminum cover RMD – Solid cover

- Aluminum cover system for heavy loads and maximum cable carrier widths. Threaded joints on both sides.
- Available customized in **1 mm sections**.
- **Outside/inside:** threaded joint easy to release.



Key for abbreviations on page 16

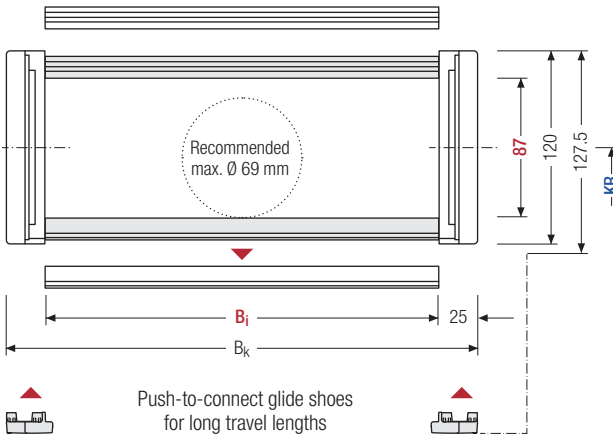


Stay arrangement on each chain link (**VS: fully-stayed**)



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

Design guidelines from page 64



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

Technical support: technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

h _i [mm]	h _G [mm]	h _{G'} [mm]	B _i [mm]*	B _k [mm]	KR [mm]					q _k [kg/m]	
87	120	127.5	100 – 800	B _i + 50	240	280	320	360	400	500	8.80 – 27.40

* in 1 mm width sections

Order example

MT1300 Type · 360 B_i [mm] · RMD Stay variant · 360 KR [mm] · 2600 L_k [mm] · VS Stay arrangement

Divider systems

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

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 simple insertion of a fixing profile into the RMD stay, available as an accessory (**version B**).

Inner heights



Inner widths

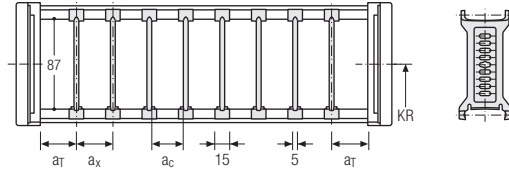


Increments



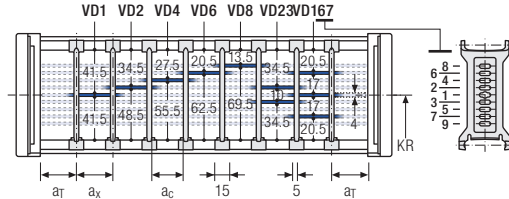
Divider system TS0 without height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	a _x grid [mm]	π _T min
A	12	15	10	—	—
B	15	15	10	5	—



Divider system TS1 with continuous height separation

Vers.	a _T min [mm]	a _T max [mm]	a _x min [mm]	a _c min [mm]	a _x grid [mm]	π _T min
A	12	25	15	10	—	2
B	15	25	15	10	5	2

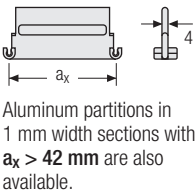
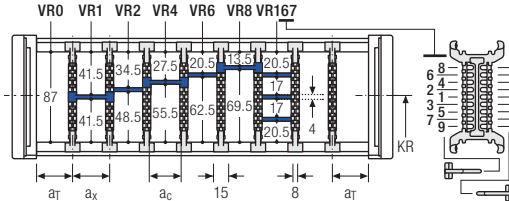


Divider system TS3 with partial height separation

Vers.	a _T min [mm]	a _x min [mm]	a _c min [mm]	π _T min
A	12	16/42*	8	2

* For aluminum partitions

With grid distribution (**1 mm grid**). The dividers are attached by the height separation, the grid can be moved in the cross section.



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	

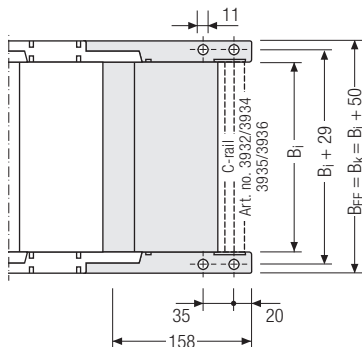
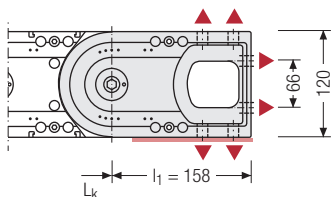
When using **plastic partitions with a_x > 112 mm**, we recommend an additional center support with a **twin divider** (S_T = 5 mm). Twin dividers are also suitable for retrofitting in the partition system.

MT1300 | End connectors

Universal end connectors UMB – plastic (standard)

The universal end connectors (UMB) are made from plastic and can be mounted **from the top, from the bottom, face on or from the side.**

Key for abbreviations
on page 16

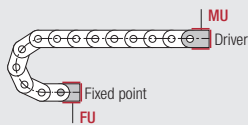


Design guidelines
from page 64

▲ Assembly options

 Recommended tightening torque: 54 Nm for cheese-head screws ISO 4762 - M10 - 8.8

Technical support:
technik@kabelschlepp.de



Connection point

F – fixed point
M – driver

Connection type

U – universal end connector

Order example



UMB	.	F	A
UMB	.	M	A
End connector		Connection point	Connection type



We recommend the use of strain reliefs before driver and fixed point. See from p. 834.

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Cable Carrier Configurator

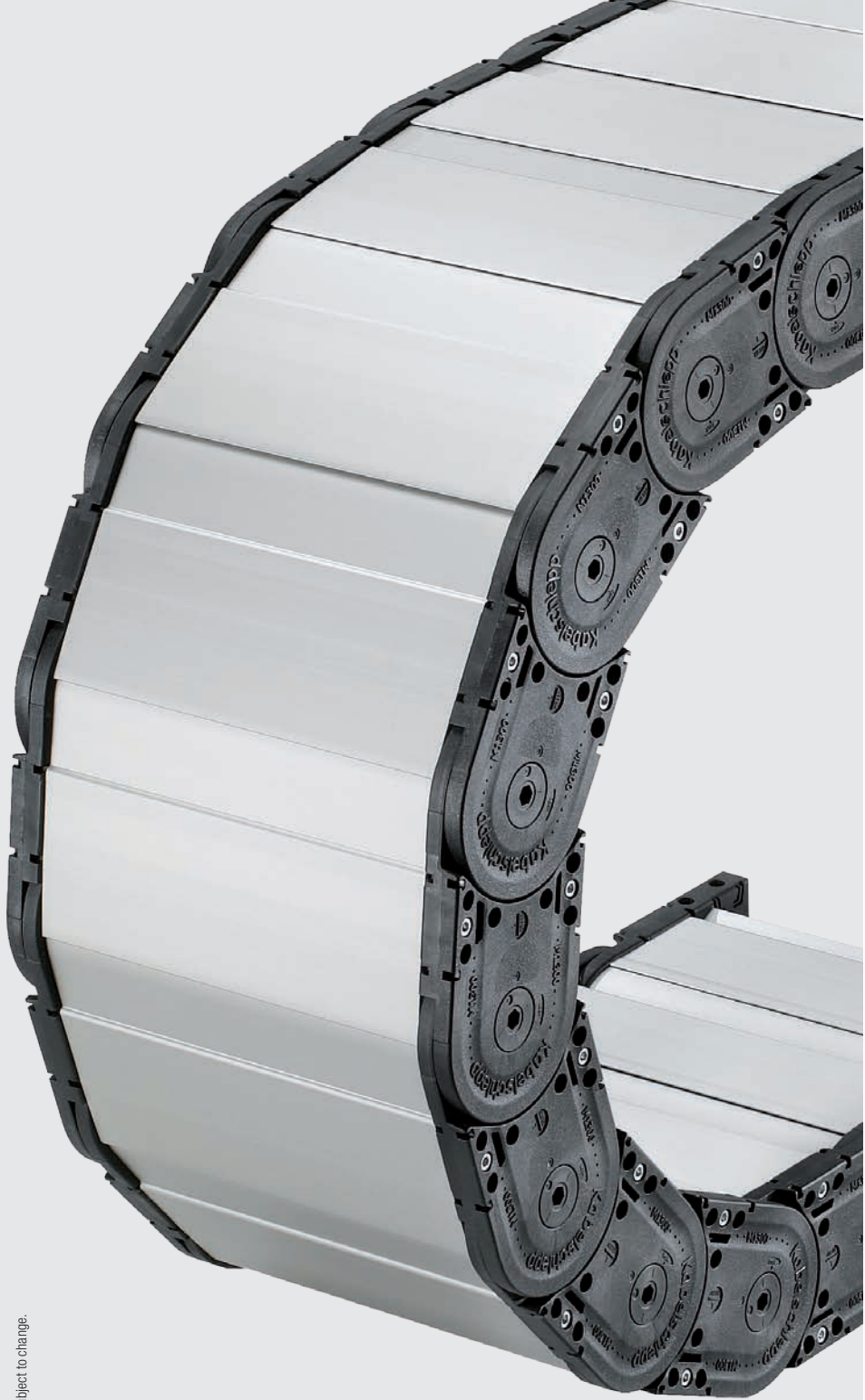
More product information online



Assembly instructions etc.:
Additional info via your
smartphone or check online at
[tsubaki-kabelschlepp.com/
support](http://tsubaki-kabelschlepp.com/support)



Configure your custom
cable carrier here:
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MT series

Inner heights



Inner widths



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