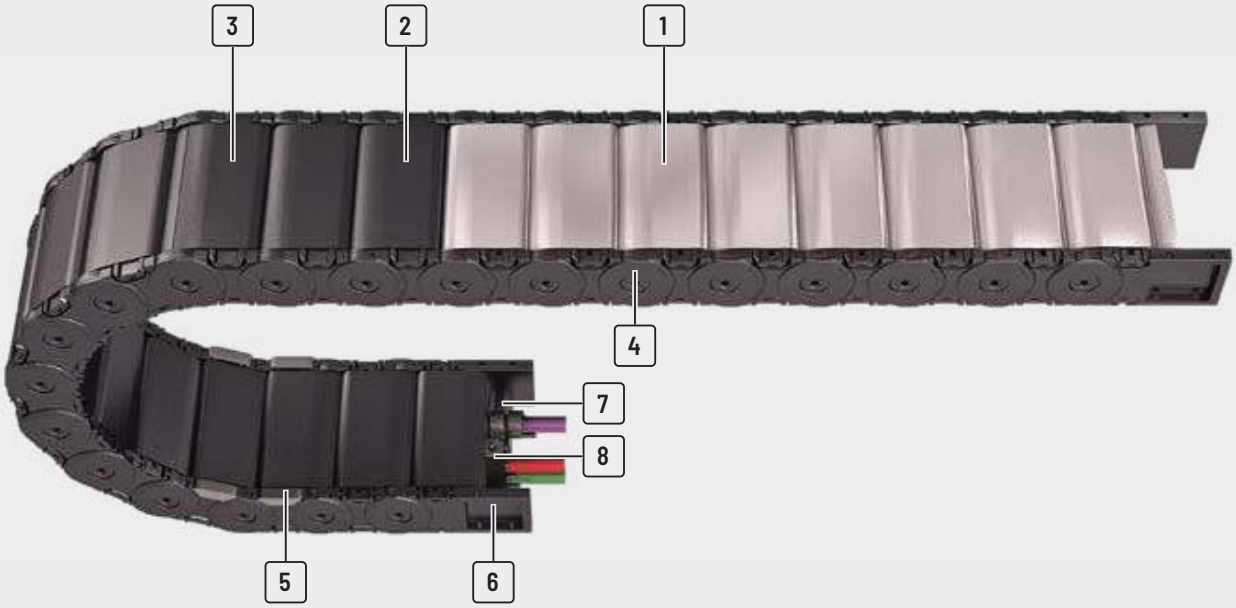
MT series

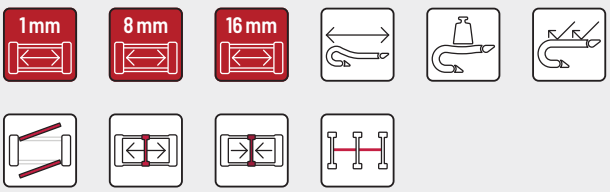
Variable, closed cable carrier with extensive range of accessories



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 shoes
6 Universal end connectors (UMB)
7 C-rail for strain relief elements
8 Strain relief elements

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



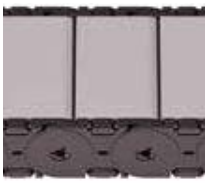
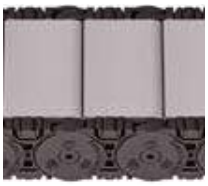
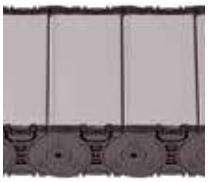

Minimized hinge wear owing to the "life extending 2 disc principle"


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

Type	Opening variant	Stay variant	h_i [mm]	h_G [mm]	B_i [mm]	B_k [mm]	B_i-grid [mm] X 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	1	65	115 – 350	25	30
		RDD	38.5	57	50 – 258	84 – 292	8	65	95 – 350	25	30
MT0950											
		RMD	54.5	80	100 – 600	139 – 639	1	95	200 – 380	35	43
		RDD	54.5	80	77 – 349	116 – 388	16	95	140 – 380	35	43
MT1250											
		RMD	68.5	96	150 – 800	195 – 845	1	125	260 – 500	65	61
		RDD	68.5	96	103 – 359	148 – 404	16	125	220 – 500	65	61
MT1300											
		RMD	87	120	100 – 800	150 – 850	1	130	240 – 500	70	69

MT series | Overview

Unsupported arrangement			Gliding 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	
2.7	10	50	–	–	–	•	•	–	–	•	•	–	624
2.7	10	50	–	–	–	•	•	–	–	•	•	–	626
2.7	10	50	–	–	–	•	•	•	–	•	•	–	628
2.7	10	50	–	–	–	•	•	•	–	•	•	–	630
4.8	10	35	170	8	20	•	•	–	–	•	•	–	636
4.8	10	35	170	8	20	•	•	–	–	•	•	–	638
7.4	10	25	230	8	20	•	•	•	–	•	•	–	644
7.4	10	25	230	8	20	•	•	•	•	•	•	–	646
9.7	10	20	270	8	20	•	•	•	–	•	•	–	652
9.7	10	20	270	8	20	•	•	•	•	•	•	–	654
10.8	10	20	300	8	20	•	•	–	•	•	•	–	660

MT0475

Pitch
47.5 mm

Inner height
26 mm

Inner widths
24 – 280 mm

Bending radii
75 – 300 mm

Stay variants

Aluminum cover RMD 01 ..... page **624**

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 **626**

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 **628**

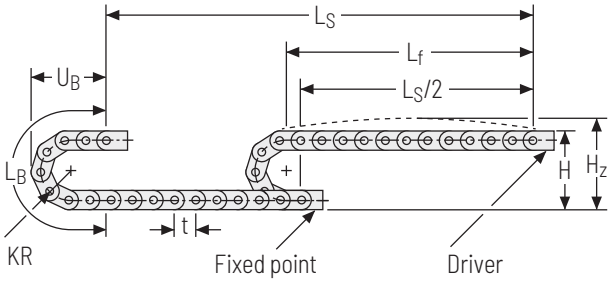
Cover with hinge in the inner radius
» Plastic cover system with hinge for light and medium loads. Assembly without screws.
» **Outside:** release by rotating 90°.
» **Inside:** swivable to both sides.

Plastic cover RDD 02 ..... page **630**

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°.

MT0475 | Installation dim. | Unsupported

Unsupported arrangement

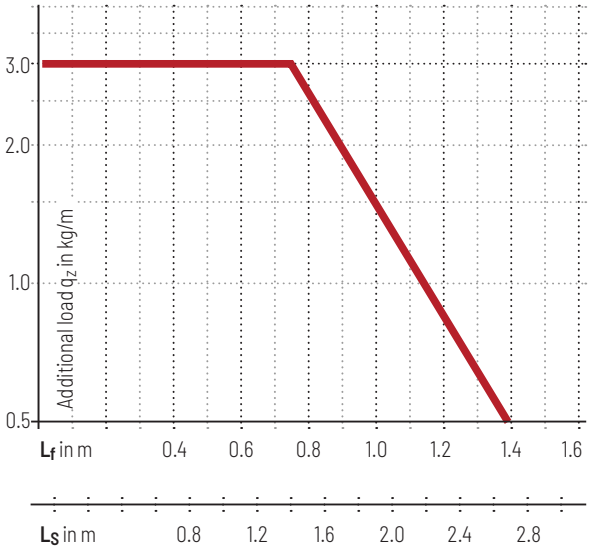


KR [mm]	H [mm]	Hz [mm]	LB [mm]	UB [mm]
75	189	214	331	142
100	239	264	410	167
130	299	324	504	197
160	359	384	598	227
200	439	464	724	267
250	539	564	881	317
300	639	664	1038	367

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 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

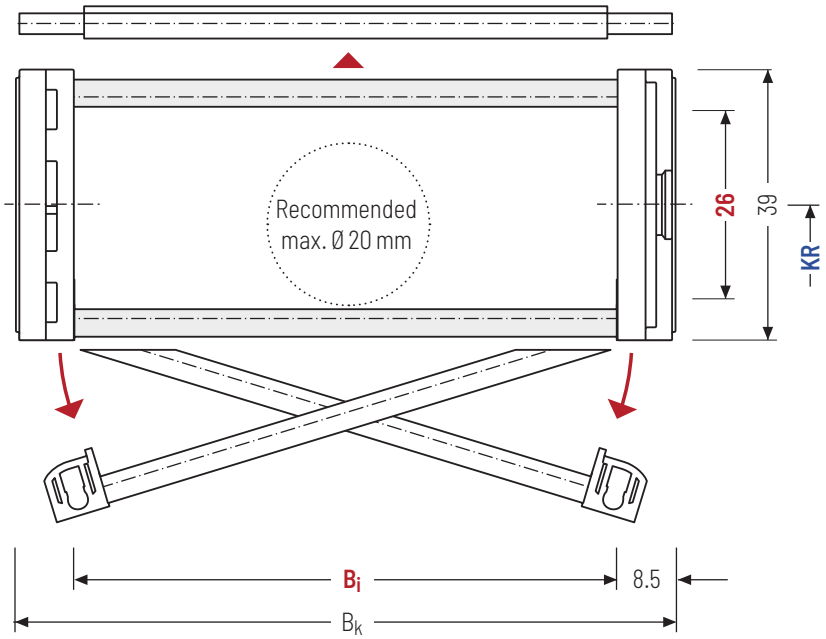
MT0475 RMD 01 | Dimensions · Technical data

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.

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	.	128	.	RMD 01	.	100	-	1425		VS
Type		B_i [mm]		Stay variant		KR [mm]		L_k [mm]		Stay arrangement

MT0475 RMD 01 | Inner distribution | TS0 · TS1

Divider systems

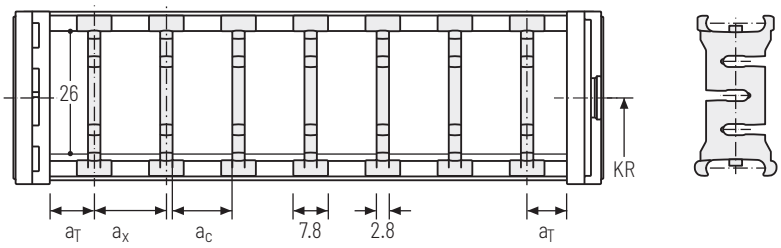
As a standard, the divider system is mounted on every 2nd chain link.

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	–

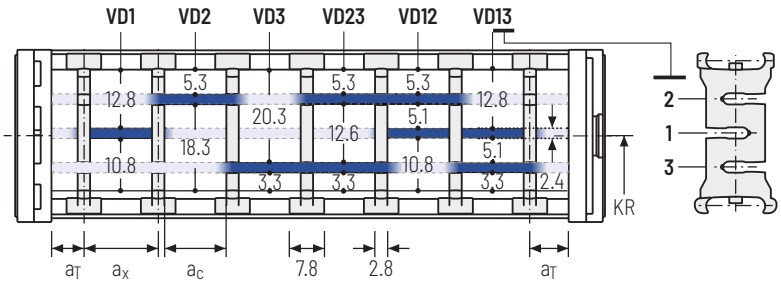
The dividers can be moved in the cross section.



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.



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.

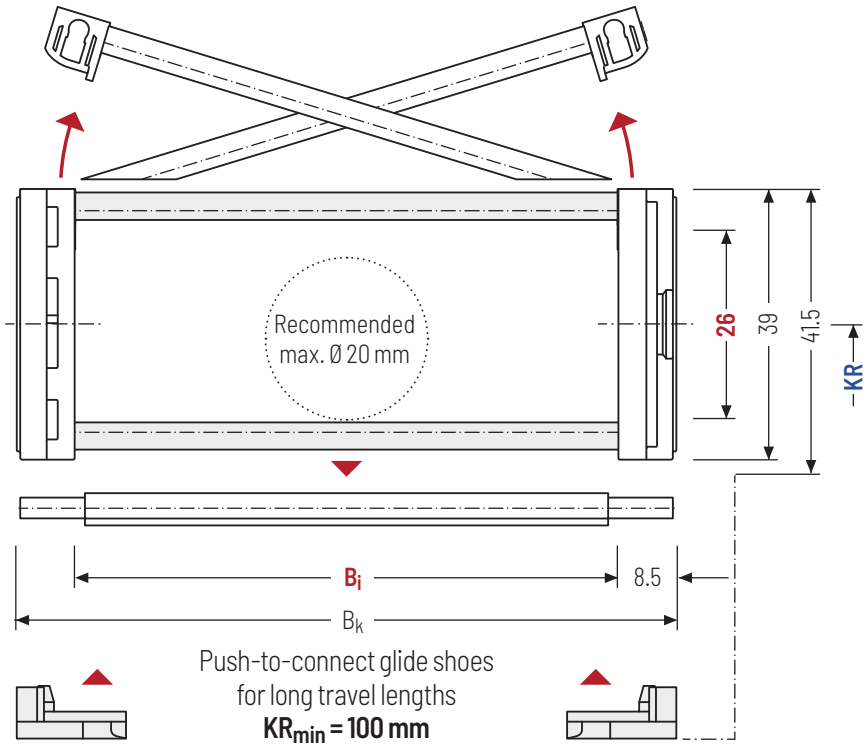
MT0475 RMD 02 | Dimensions · Technical data

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°.

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

MT0475 RMD 02 | Inner distribution | TS0 · TS1

Divider systems

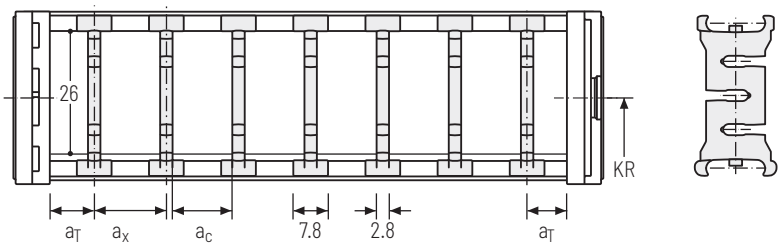
As a standard, the divider system is mounted on every 2nd chain link.

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	–

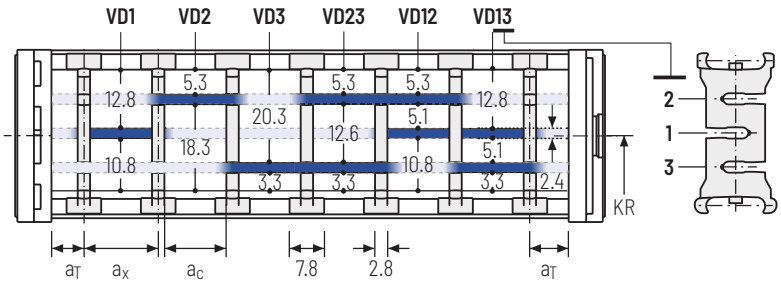
The dividers can be moved in the cross section.



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.



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.

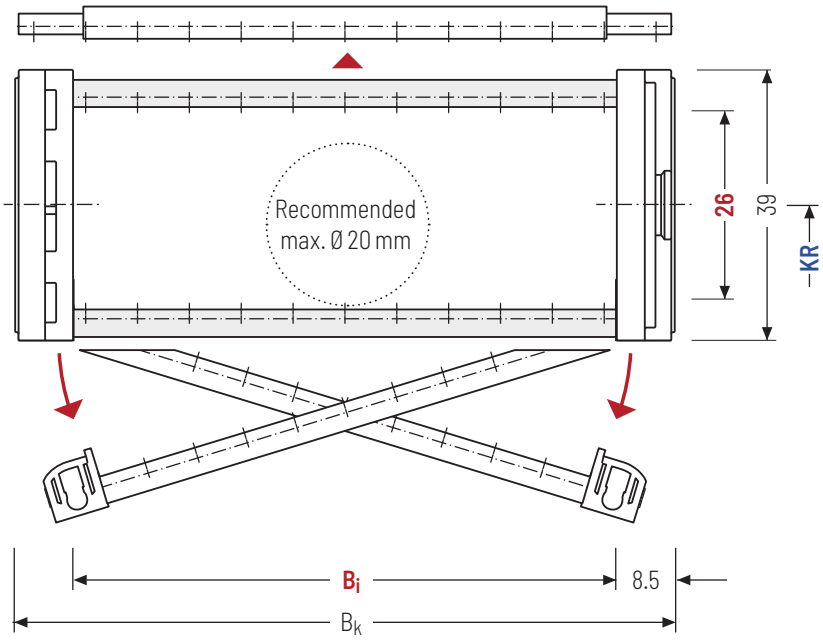
MT0475 RDD 01 | Dimensions · Technical data

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.

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

1 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	.	128	.	RDD 01	.	100	-	1425		VS
Type		B_i [mm]		Stay variant		KR [mm]		L_k [mm]		Stay arrangement

MT0475 RDD 01 | Inner distribution | TS0 · TS1 · TS2

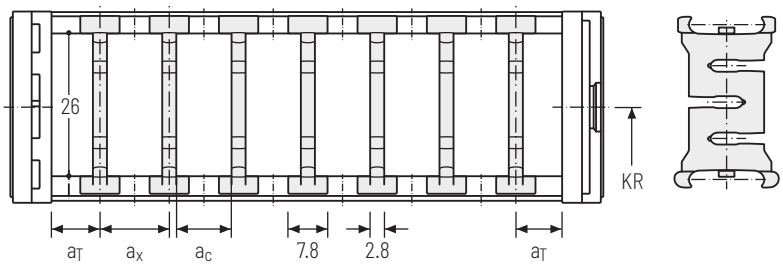
Divider systems

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)**.

Divider system TS0 without height separation

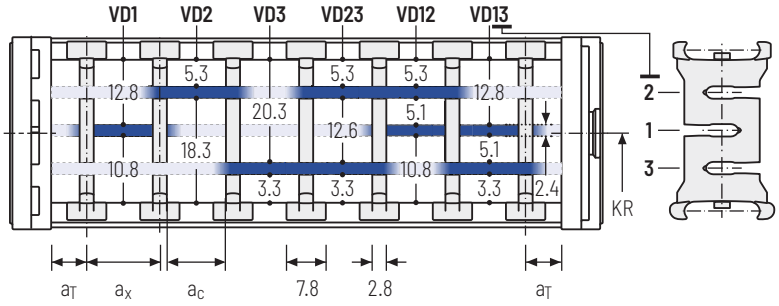
Vers.	a_T min [mm]	a_x min [mm]	a_c min [mm]	a_x grid [mm]	n_T min
B	6	7.8	5	8	–



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).

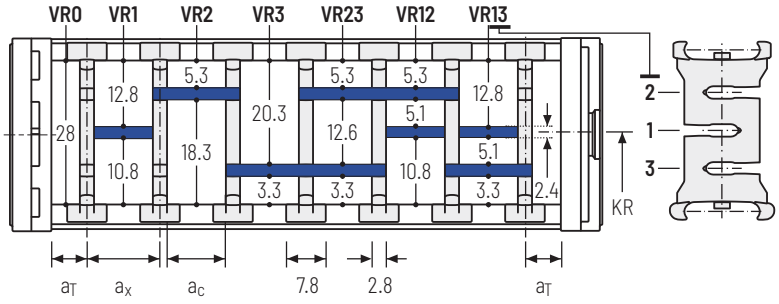


Divider system TS2 with partial height separation

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

TS2 . B . 3 . K1 . 34 - VR1
⋮ ⋮ ⋮
. K4 . 38 - VR3

Divider system | Version | n_T | Chamber | a_x | Height separation

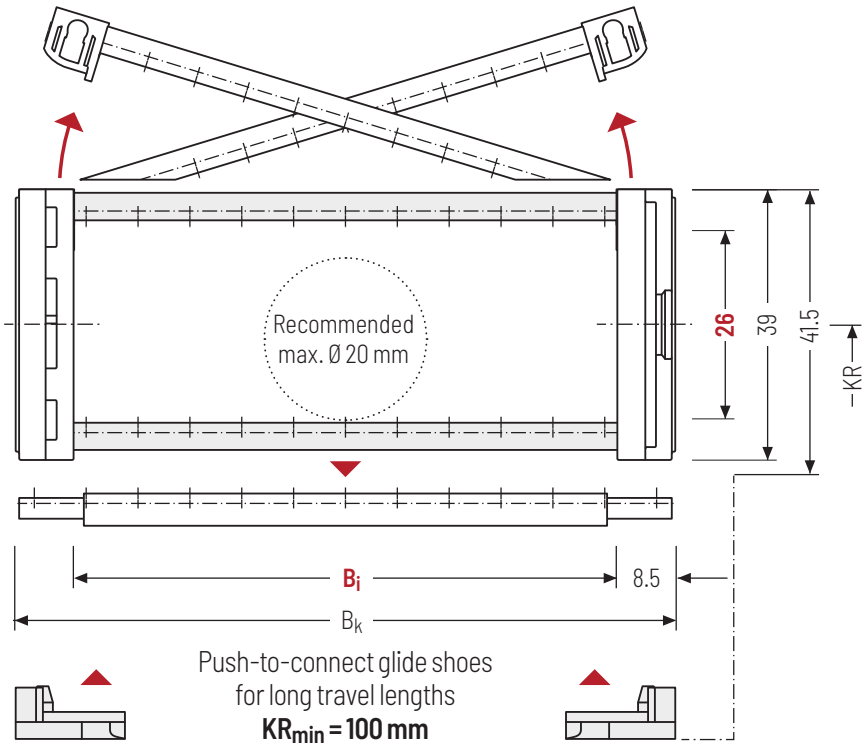
MT0475 RDD 02 | Dimensions · Technical data

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°.

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

1 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	.	128	.	RDD 02	.	100	-	1425		VS
Type		B_i [mm]		Stay variant		KR [mm]		L_k [mm]		Stay arrangement

MT0475 RDD 02 | Inner distribution | TS0 · TS1 · TS2

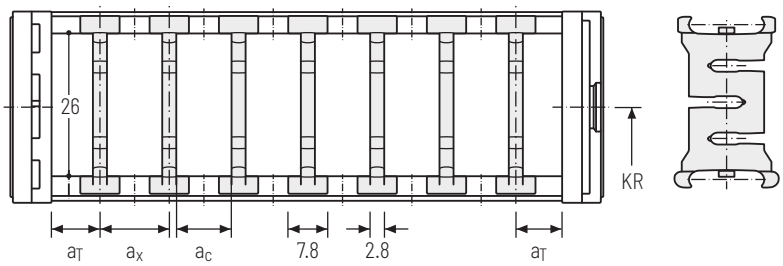
Divider systems

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)**.

Divider system TS0 without height separation

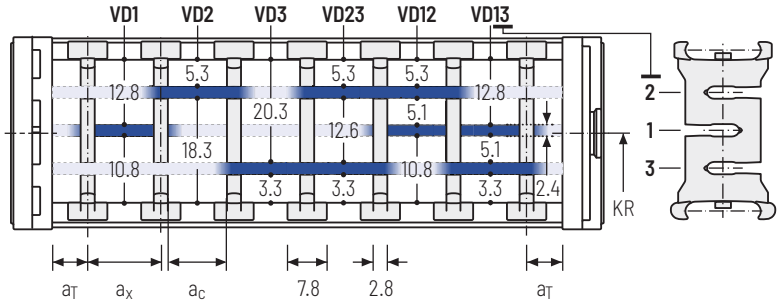
Vers.	a_T min [mm]	a_x min [mm]	a_c min [mm]	a_x grid [mm]	n_T min
B	6	7.8	5	8	–



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).

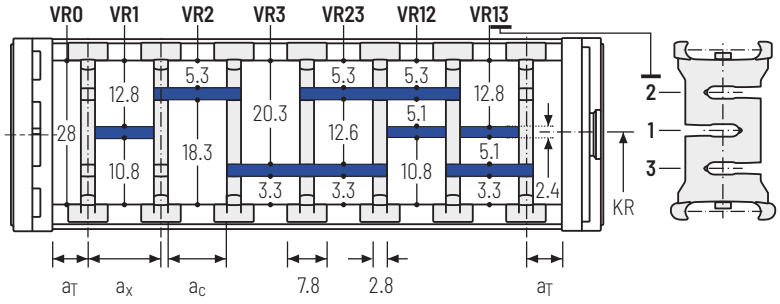


Divider system TS2 with partial height separation

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).



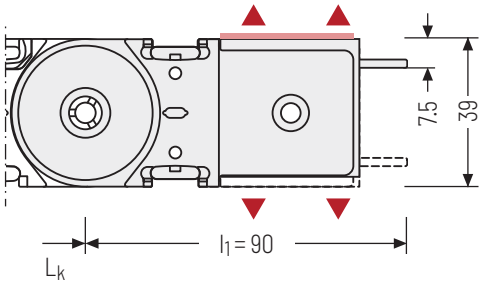
Order example

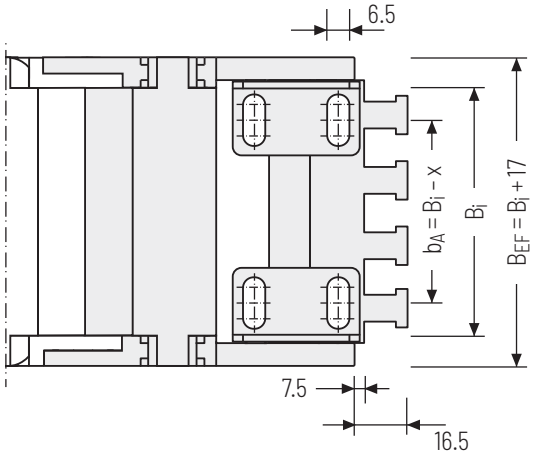
TS2	. B	. 3	. K1	. 34	- VR1
			⋮	⋮	⋮
			. K4	. 38	- VR3
Divider system	Version	n_T	Chamber	a_x	Height separation

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.

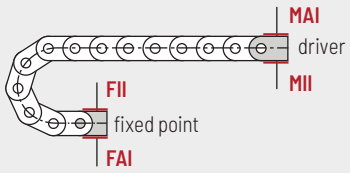




▲ Assembly options

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

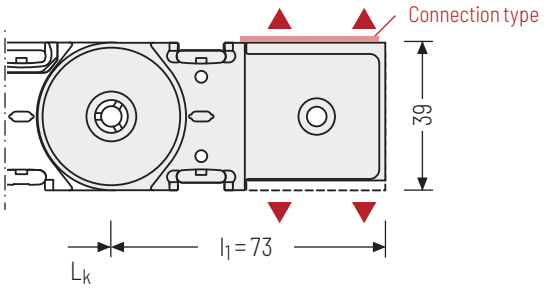
Connection type
A – threaded joint outside (standard)
I – threaded joint inside

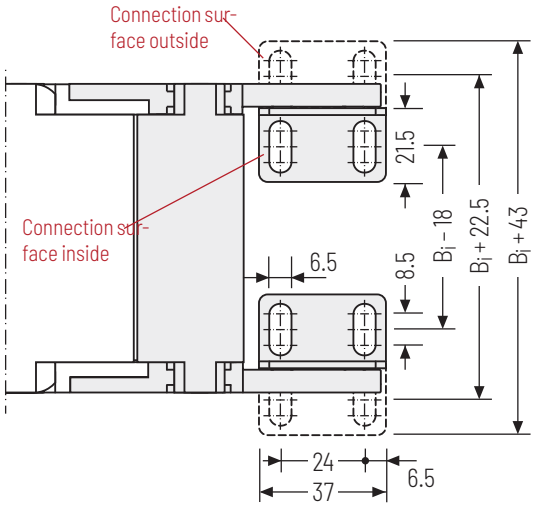
Order example

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

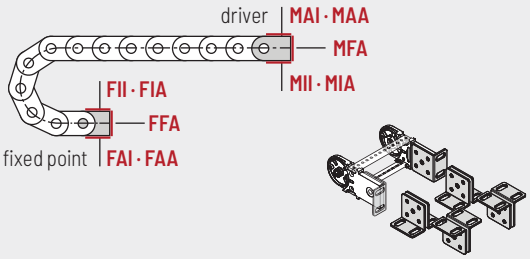
End connectors – plastic/steel

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



Connection point
F – fixed point
M – driver

Connection surface
A – connection surface outside
I – connection surface inside

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 at the driver and fixed point. See from p. 908.

MT0650

Pitch
65 mm

Inner height
38.5 mm

Inner widths
50 – 500 mm

Bending radii
95 – 350 mm

Stay variants

Aluminum cover RMD
page **636**

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 **638**

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°.

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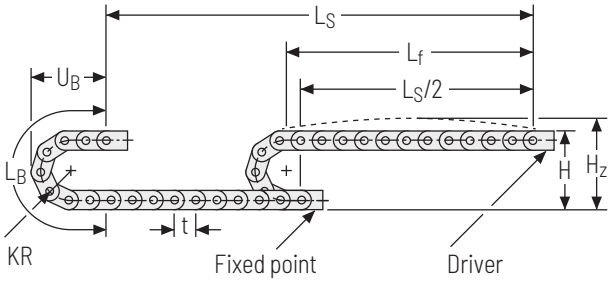
TRAXLINE® cables for cable carriers

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

MT0650 | Installation dim. | Unsupported · Gliding

Unsupported arrangement



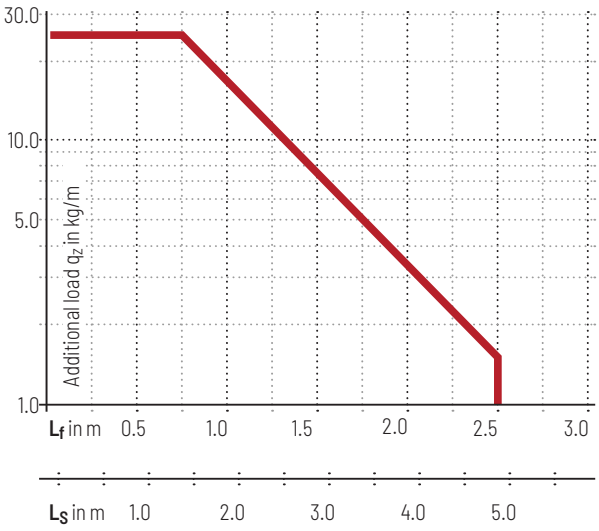
KR [mm]	H [mm]	Hz [mm]	LB [mm]	UB [mm]
95*	247	282	429	189
115	287	322	492	209
145	347	382	586	239
175	407	442	680	269
220	497	532	822	314
260	577	612	948	354
275	607	642	994	369
300	657	692	1073	394
350	757	792	1230	444

* not RMD

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



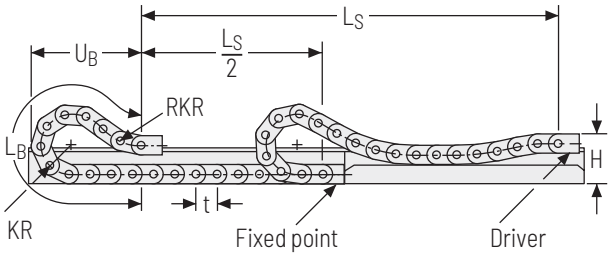
Speed
up to 10 m/s

Acceleration
up to 35 m/s²

Travel length
up to 4.8 m

Additional load
up to 25 kg/m

Gliding arrangement | GO module with chain links optimized for gliding



KR [mm]	H [mm]	GO module RKR [mm]	LB [mm]	UB [mm]
95*	171	300	1180	560
115	171	300	1310	605
145	171	300	1440	640
175	171	300	1635	705
220	171	300	1950	810
260	171	300	2275	926
275	171	300	2405	973
300	171	300	2535	1014
350	171	300	2925	1152

* not RMD

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. 850.

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.

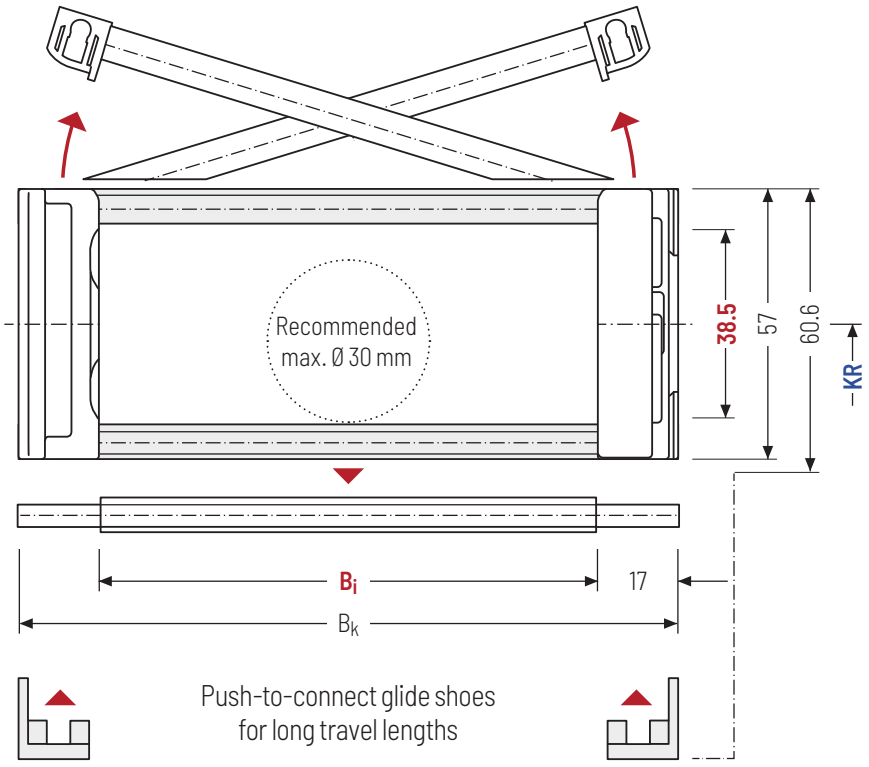
MT0650 RMD | Dimensions · Technical data

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°.

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

Divider systems

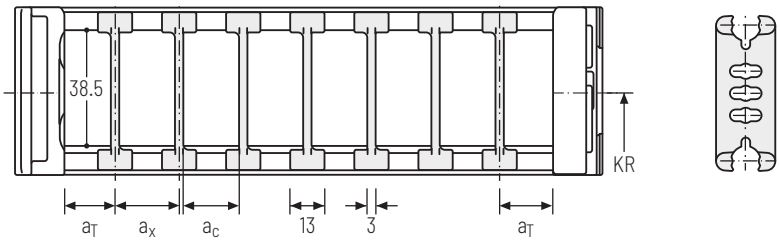
As a standard, the divider system is mounted on every 2nd chain link.

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	16	13	10	–

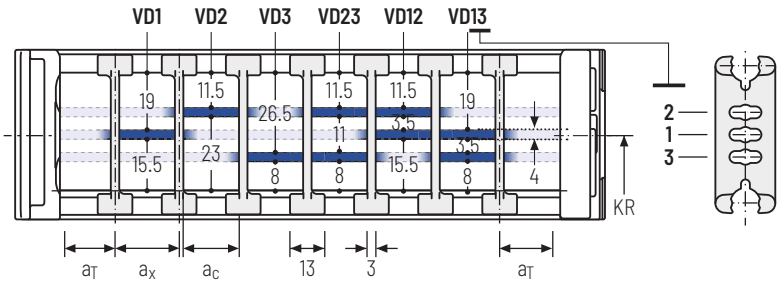
The dividers can be moved in the cross section.



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	16	40	13	10	2

The dividers can be moved in the cross section.



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.

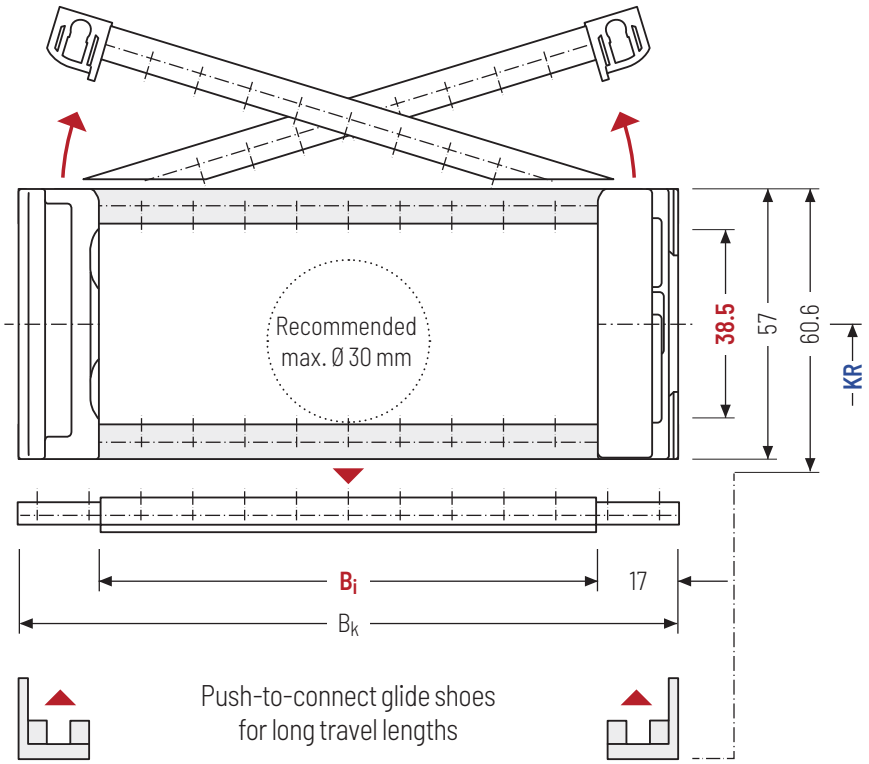
MT0650 RDD | Dimensions · Technical data

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 **8 mm sections**.
- **Outside**: swivable to both sides.
- **Inside:** release by turning 90°.

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

1 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 – 3.70
				106	114	122	130	138	146	154		175	220	260	
				162	170	178	186	194	202	210		275	300	350	
				218	226	234	242	250	258						

Order example

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

MT0650 RDD | Inner distribution | TS0 · TS1

Divider systems

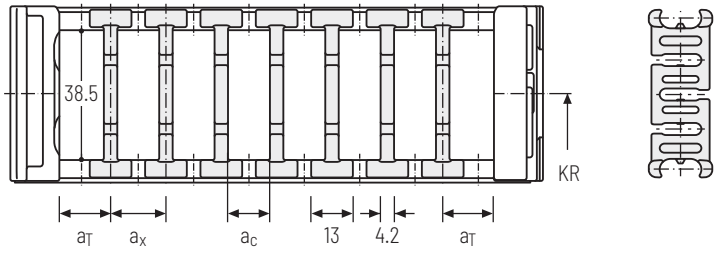
As a standard, the divider system is assembled at every 2nd chain link.

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)**.

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	–

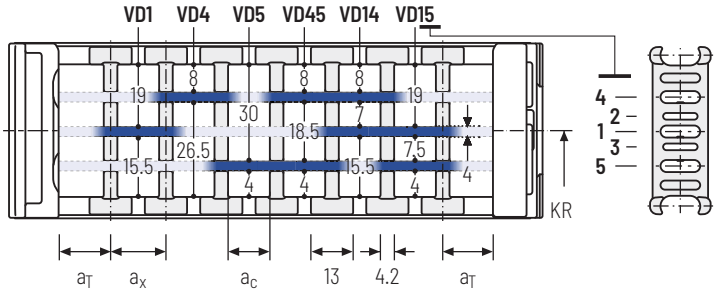
The dividers are fixed in the cross section (version B).



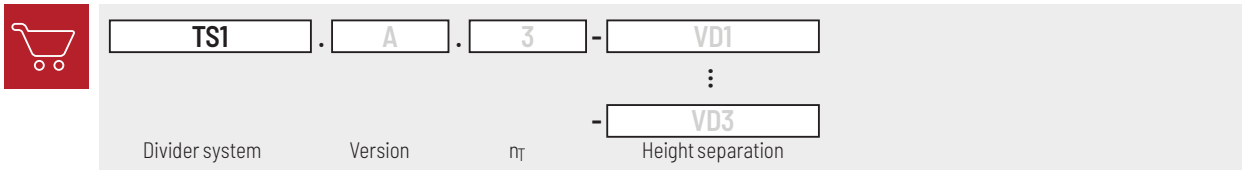
Divider system TS1 with continuous height separation

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



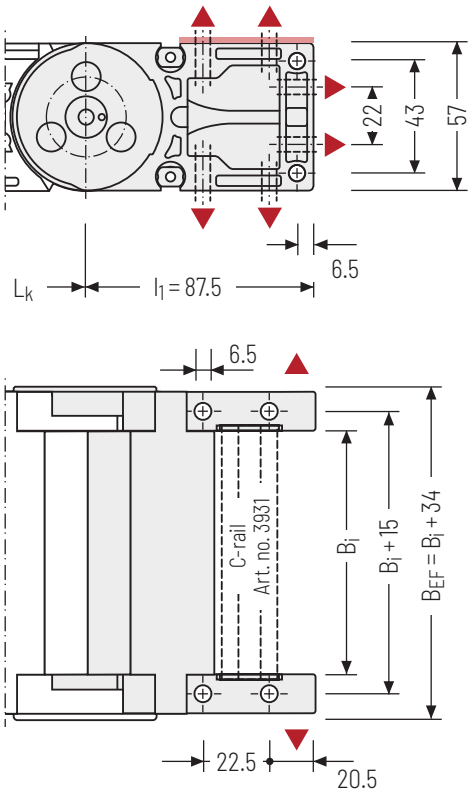
Please state the designation of the divider system **(TS0, TS1,...)**, the version, and the number of dividers per cross section [n_T].

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

Universal end connectors UMB – plastic (standard)

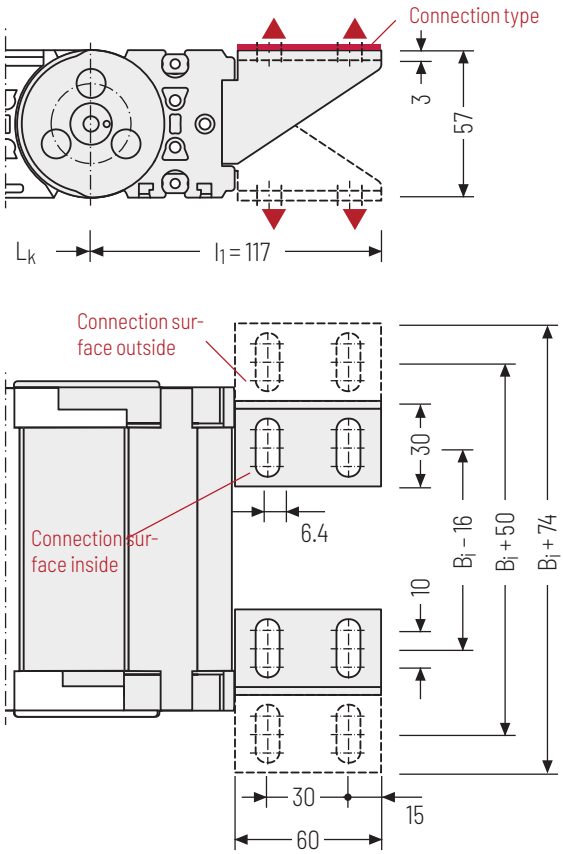
The universal end connectors (UMB) are made from plastic and can be mounted **from the top, from the bottom, face on or from the side.**



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

End connectors – plastic/steel

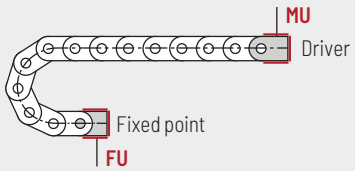
Plastic link end connector, steel end connector. The connection variants on the fixed point and on the driver can be combined and, if required, changed afterwards.



▲ Assembly options

Connection point
F – fixed point
M – driver

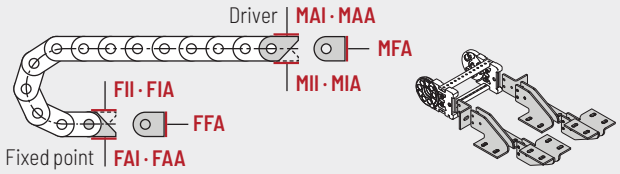
Connection type
U – universal end connector



Connection point
F – fixed point
M – driver

Connection surface
A – connection surface outside
I – connection surface inside

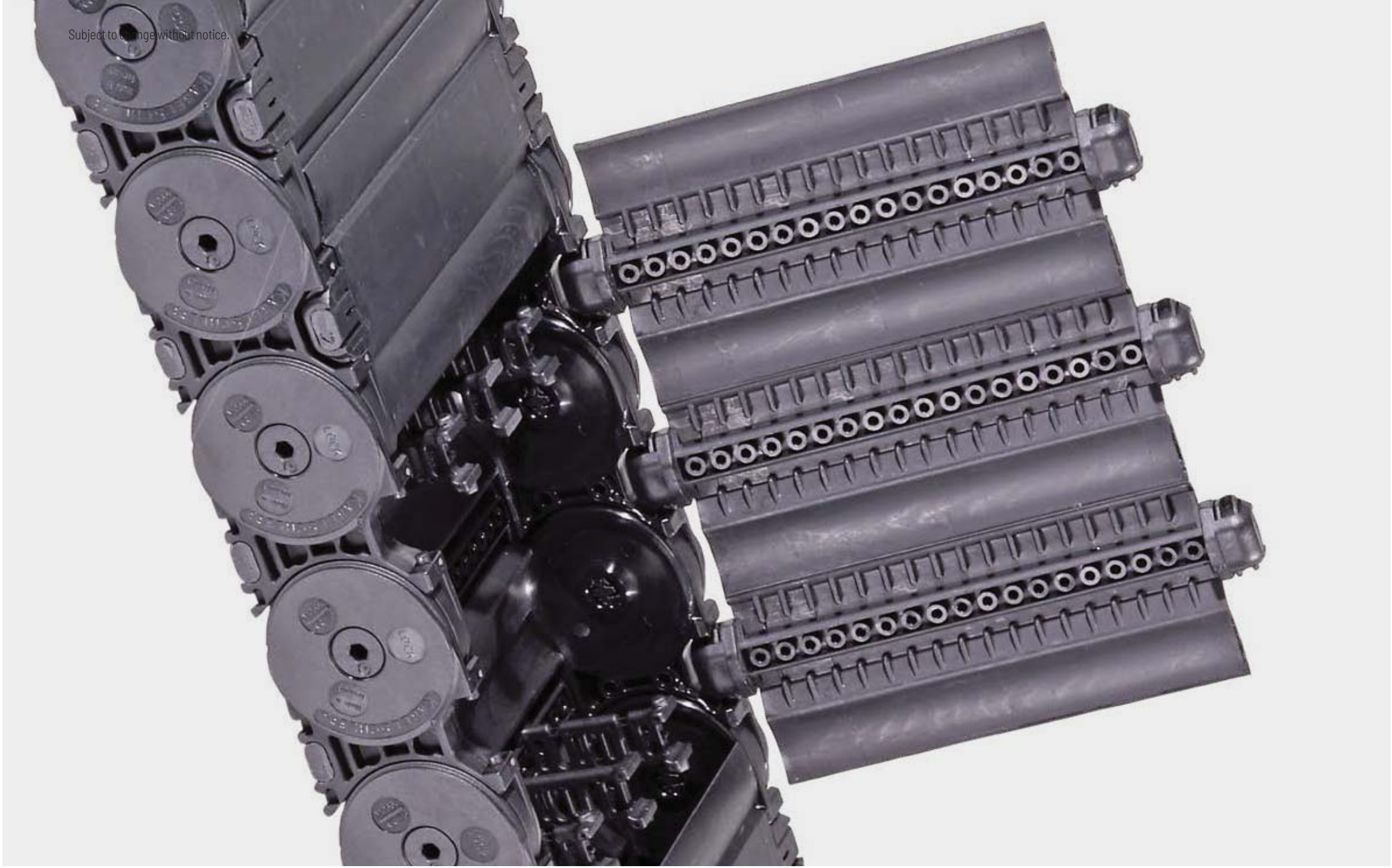
Connection type
A – threaded joint outside (standard)
I – threaded joint inside
F – flange connection



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 at the driver and fixed point. See from p. 908.



MT0950

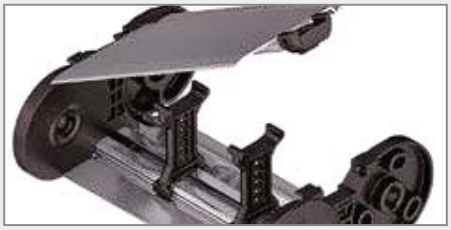
Pitch
95 mm

Inner heights
54.5 mm

Inner widths
77 – 600 mm

Bending radii
140 – 380 mm

Stay variants



Aluminum cover RMD page **644**

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 **646**

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°.

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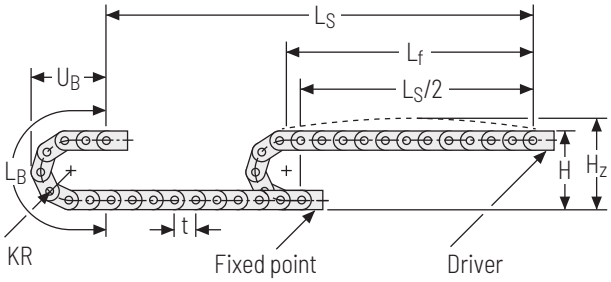
MT0950 | Installation dim. | Unsupported · Gliding

Unsupported arrangement



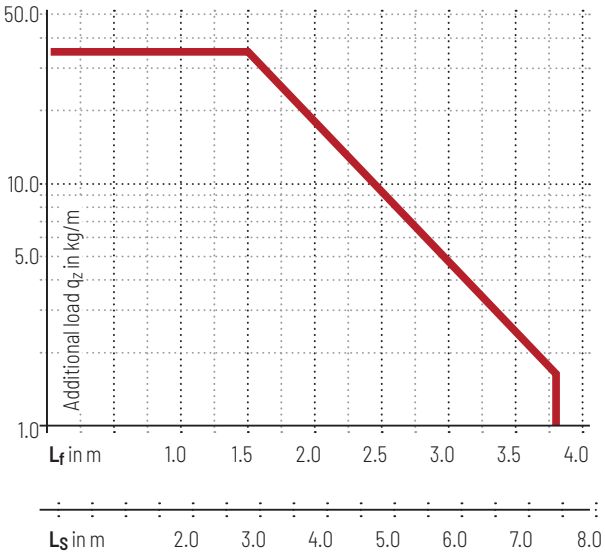
KR [mm]	H [mm]	Hz [mm]	LB [mm]	UB [mm]
140*	360	405	630	275
170*	420	465	725	305
200	480	525	819	335
260	600	645	1007	395
290	660	705	1102	425
320	720	765	1196	445
380	840	885	1384	515

* not RMD

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



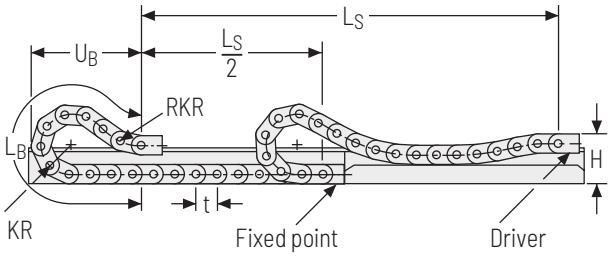
Speed
up to 10 m/s

Acceleration
up to 25 m/s²

Travel length
up to 7.4 m

Additional load
up to 35 kg/m

Gliding arrangement | GO module with chain links optimized for gliding



KR [mm]	H [mm]	GO module RKR [mm]	LB [mm]	UB [mm]
140*	240	500	1580	740
170*	240	500	1710	773
200	240	500	1995	888
260	240	500	2565	1114
290	240	500	2755	1183
320	240	500	3040	1296
380	240	500	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. 850.

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.

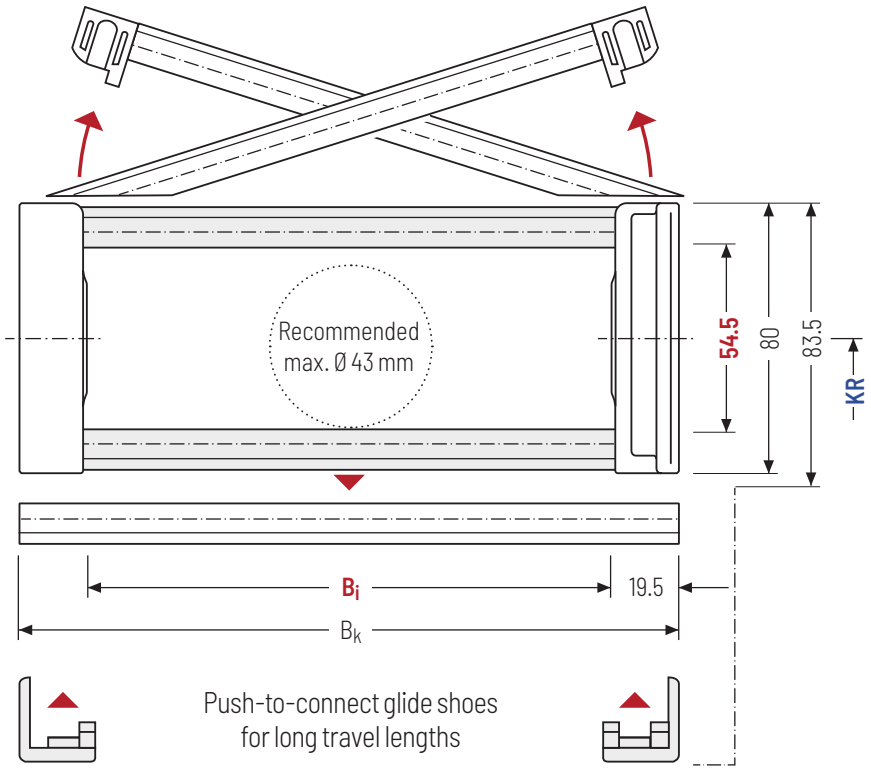
MT0950 RMD | Dimensions · Technical data

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°.

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

1 mm B_i 100 – 600 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]
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	.	400	.	RMD	.	200	-	2850	VS
Type		B_i [mm]		Stay variant		KR [mm]		L_k [mm]	Stay arrangement

MT0950 RMD | Inner distribution | TS0 · TS1 · TS2

Divider systems

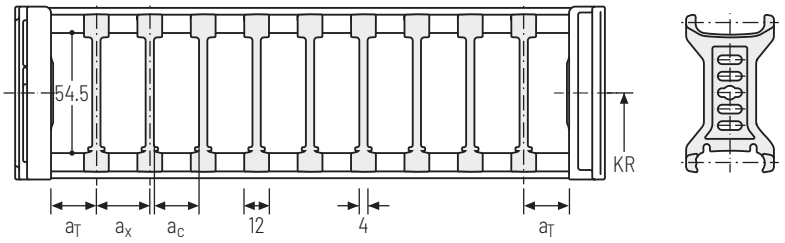
As a standard, the divider system is mounted on every 2nd chain link.

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	3.5	12	8	–

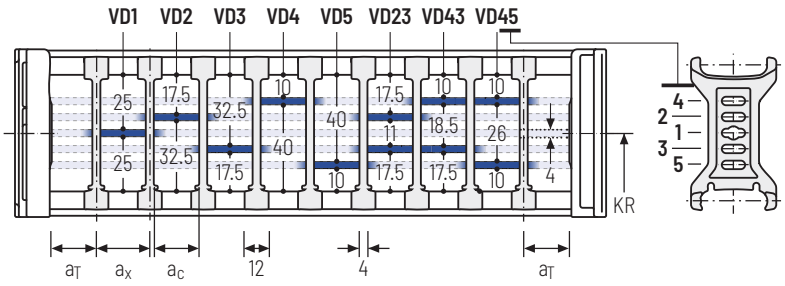
The dividers can be moved in the cross section.



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.

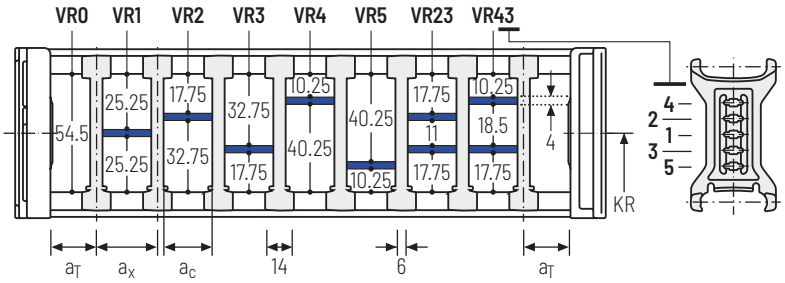


Divider system TS2 with partial height separation

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.

MT0950 RDD | Dimensions · Technical data

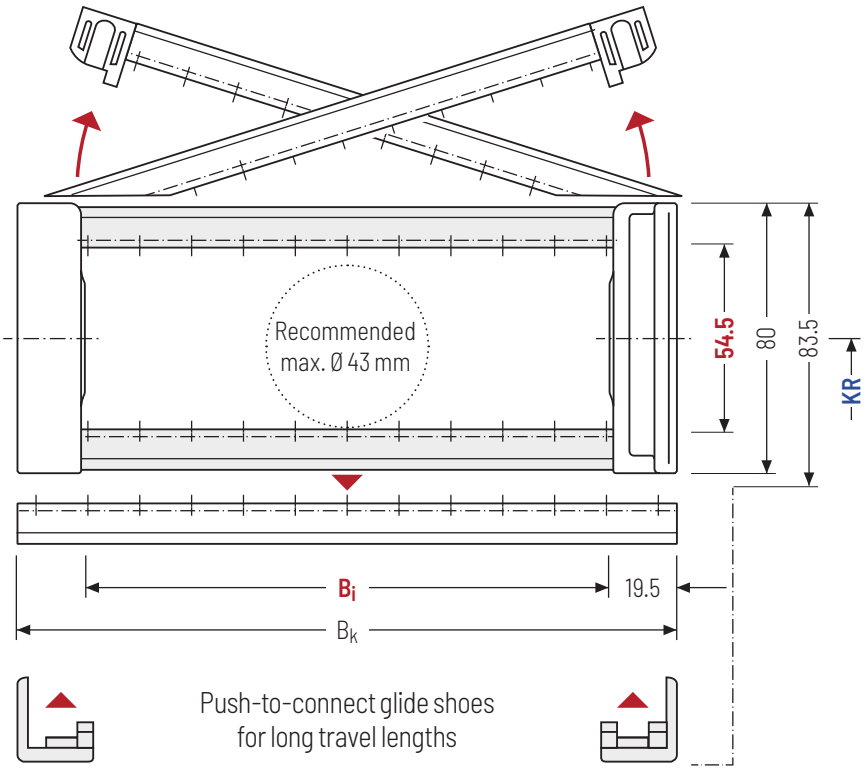
Plastic cover RDD – cover with hinge in the outer radius

- 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°.

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

1 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 – 7.7
				189	205	221	237	253	269	285		260	290	320	
				301	317	333	349					380			

Order example

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

Divider systems

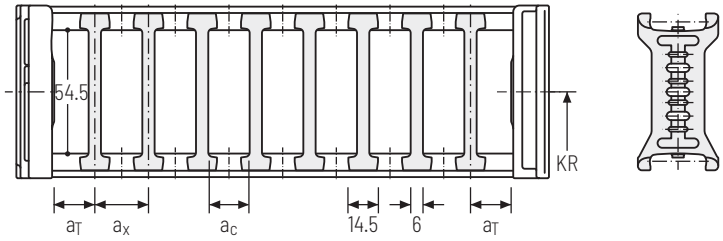
As a standard, the divider system is assembled at every 2nd chain link.

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)**.

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	–

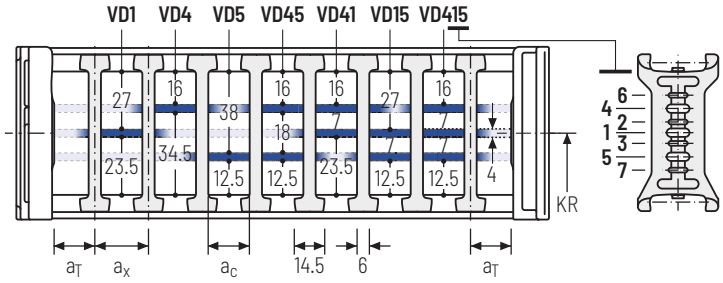
The dividers are fixed in the cross section (version B).



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).

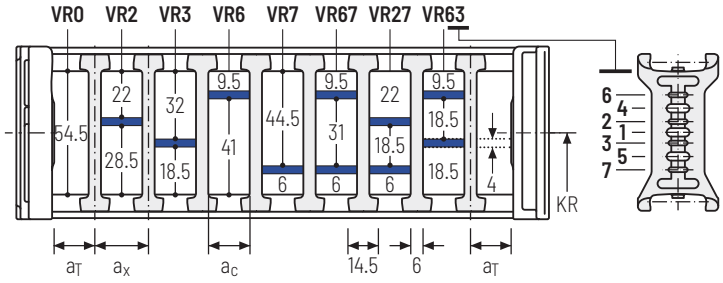


Divider system TS2 with partial height separation

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/downloads**

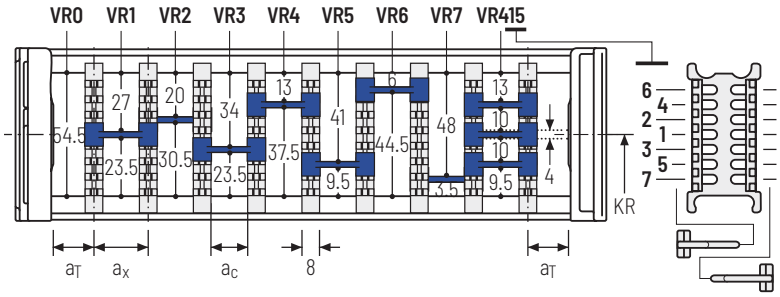
Configure your custom cable carrier here: **online-engineer.de**

MT0950 RDD | Inner distribution | TS3

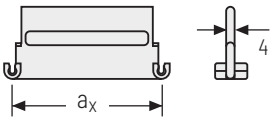
Divider system TS3 with height separation made of plastic partitions

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.

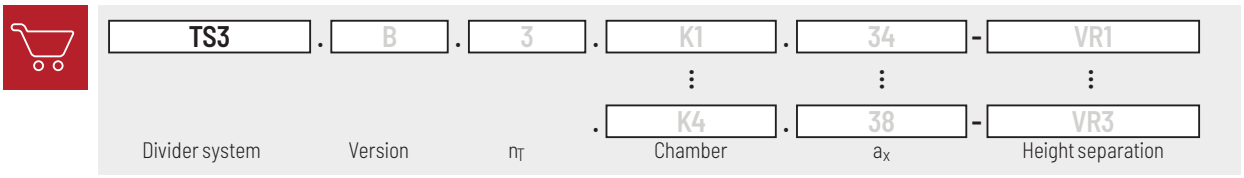


Aluminum partitions in 1 mm width sections with **a_x > 42 mm** are also available.

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



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.

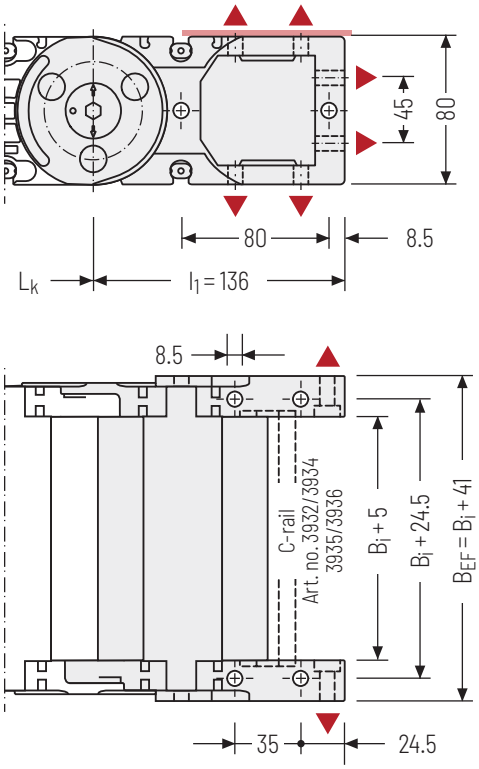
More product information online

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

Configure your custom cable carrier here: **online-engineer.de**

Universal end connectors UMB – plastic (standard)

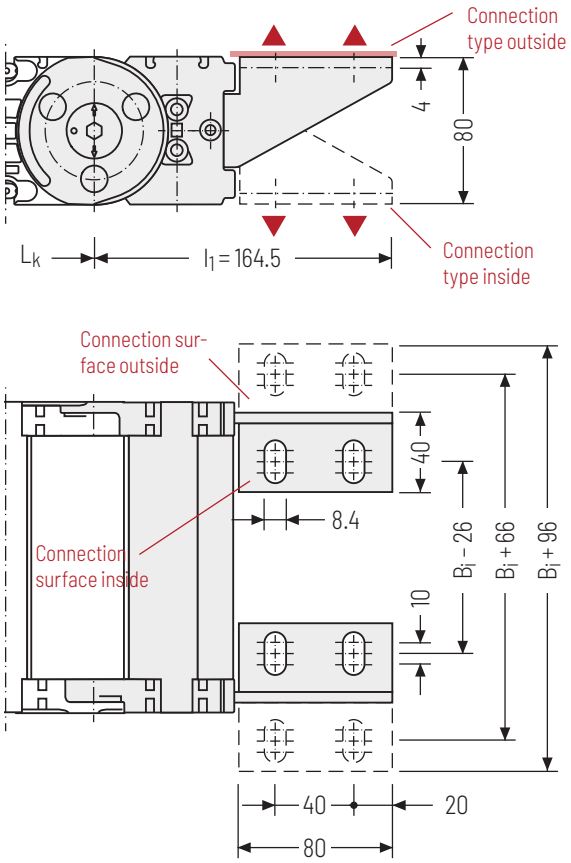
The universal end connectors (UMB) are made from plastic and can be mounted **from the top, from the bottom, face on or from the side.**



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

End connectors – plastic/steel

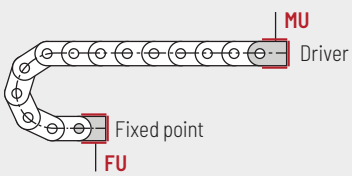
Plastic link end connector, steel end connector. The connection variants on the fixed point and on the driver can be combined and, if required, changed afterwards.



▲ Assembly options

Connection point
F – fixed point
M – driver

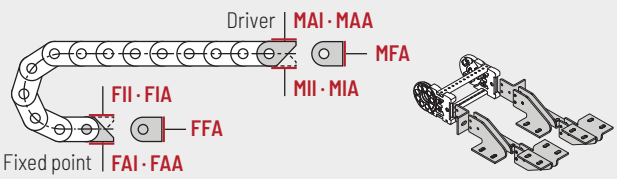
Connection type
U – universal end connector



Connection point
F – fixed point
M – driver

Connection surface
A – connection surface outside
I – connection surface inside

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 at the driver and fixed point. See from p. 908.

MT1250

Pitch
125 mm

Inner height
68.5 mm

Inner widths
103 – 800 mm

Bending radii
220 – 500 mm

Stay variants

Aluminum cover RMD page **652**

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 **654**

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°.

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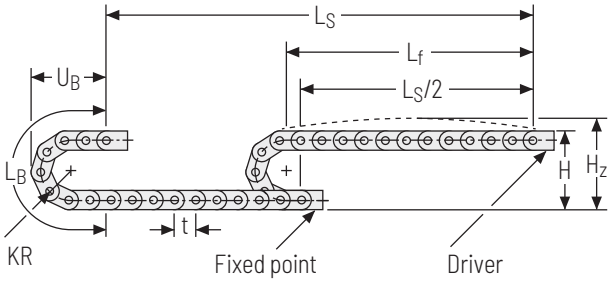
MT1250 | Installation dim. | Unsupported · Gliding

Unsupported arrangement



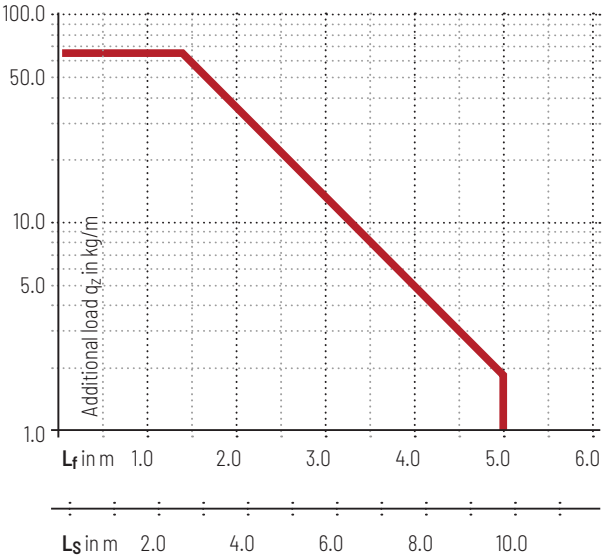
KR [mm]	H [mm]	Hz [mm]	LB [mm]	UB [mm]
220*	536	586	942	393
260	616	666	1067	433
300	696	746	1193	473
340	776	826	1319	513
380	856	906	1444	553
500	1096	1146	1821	673

* not RMD

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.



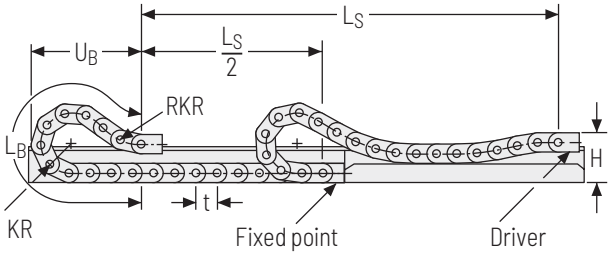
Speed
up to 10 m/s

Acceleration
up to 20 m/s²

Travel length
up to 9.7 m

Additional load
up to 65 kg/m

Gliding arrangement | GO module with chain links optimized for gliding



KR [mm]	H [mm]	GO module RKR [mm]	LB [mm]	UB [mm]
220*	288	500	2250	1015
260	288	500	2500	1095
300	288	500	2750	1177
340	288	500	3125	1318
380	288	500	3375	1403
500	288	500	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. 850.

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.

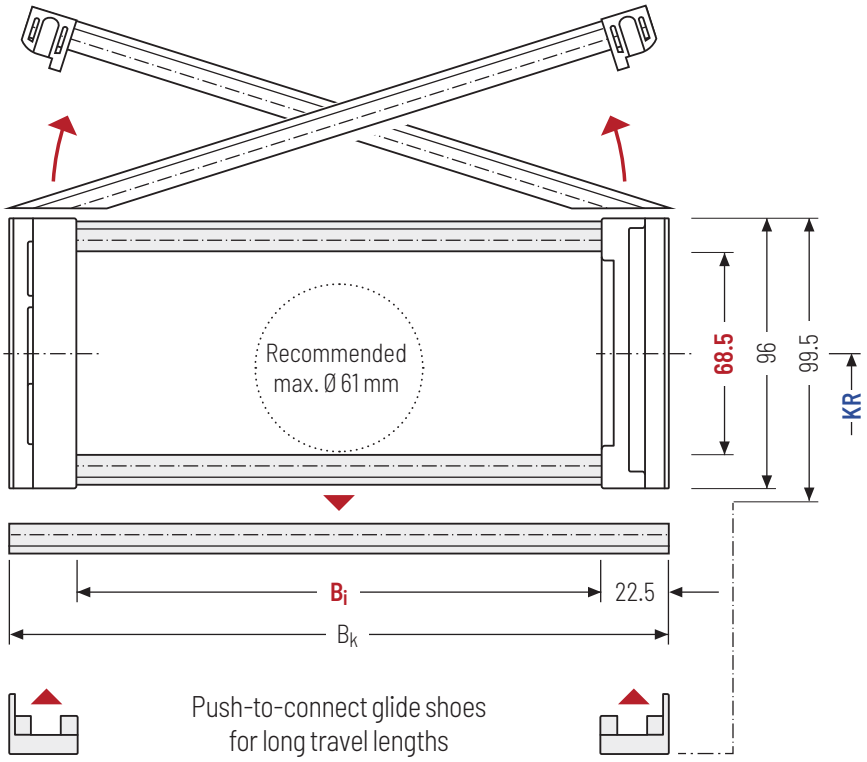
MT1250 RMD | Dimensions · Technical data

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°.

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

1 mm B_i 150 – 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.

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	.	600	.	RMD	.	300	-	4250		VS
Type		B_i [mm]		Stay variant		KR [mm]		L_k [mm]		Stay arrangement

MT1250 RMD | Inner distribution | TS0 · TS1 · TS2

Divider systems

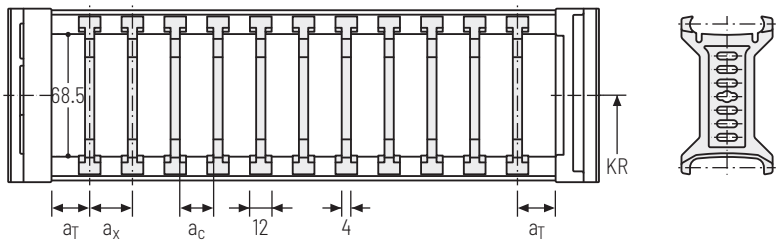
As a standard, the divider system is mounted on every 2nd chain link.

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	12	8	–

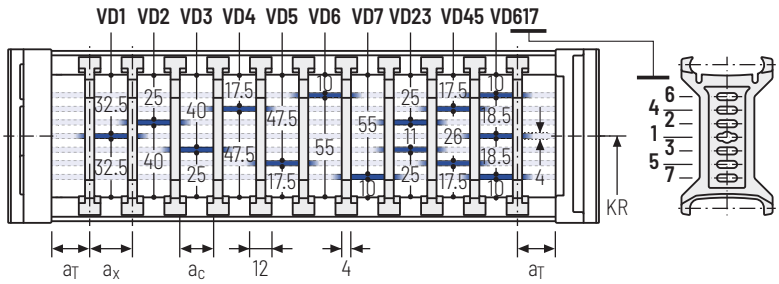
The dividers can be moved in the cross section.



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.

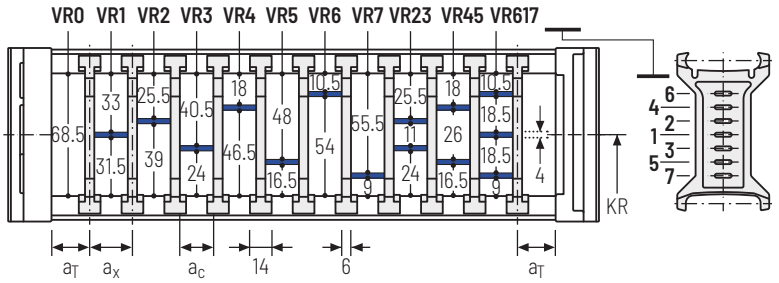


Divider system TS2 with partial height separation

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.

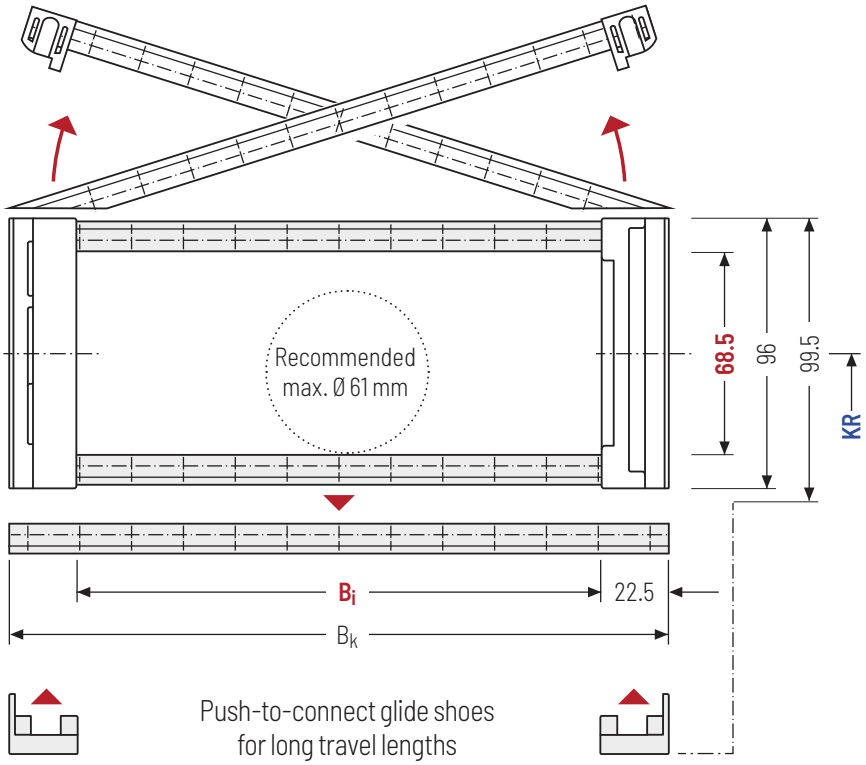
MT1250 RDD | Dimensions · Technical data

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°.

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

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



Push-to-connect glide shoes for long travel lengths

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 – 8.9
				231	247	263	279	295	311	327	343		300	340	
				359									380	500	

Order example

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

MT1250 RDD | Inner distribution | TS0 · TS1 · TS2

Divider systems

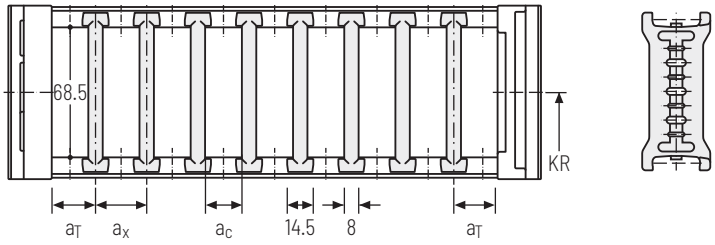
As a standard, the divider system is assembled at every 2nd chain link.

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)**.

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	–

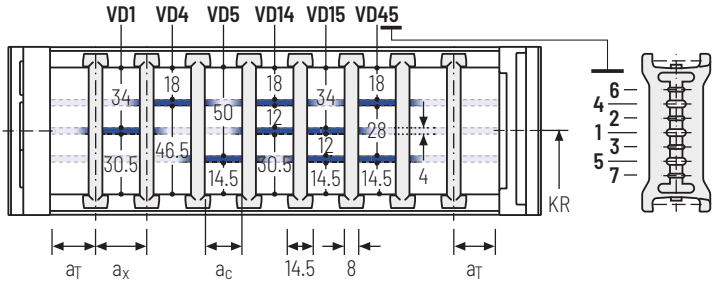
The dividers are fixed in the cross section (version B).



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).

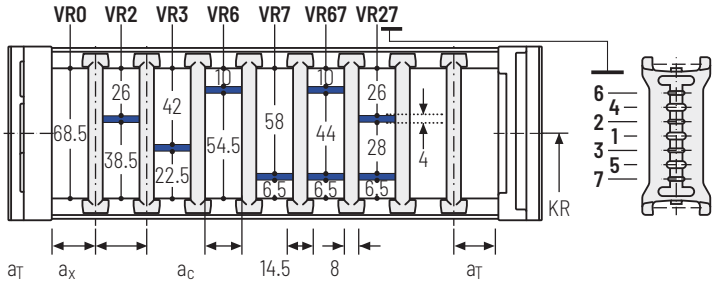


Divider system TS2 with partial height separation

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/downloads**

Configure your custom cable carrier here: **online-engineer.de**

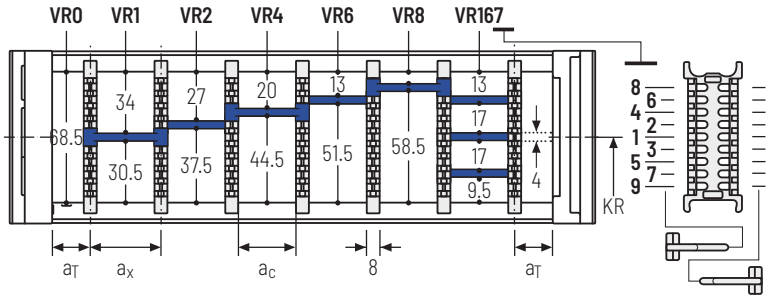
MT1250 RDD | Inner distribution | TS3

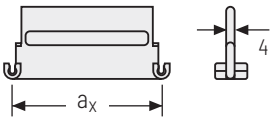
Divider system TS3 with height separation made of plastic partitions

Vers.	$a_{T\,min}$ [mm]	$a_{x\,min}$ [mm]	$a_{c\,min}$ [mm]	$n_{T\,min}$
B	4 / 16*	16 / 42**	8	2

* For VR0
** For aluminum partitions.

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





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. 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.

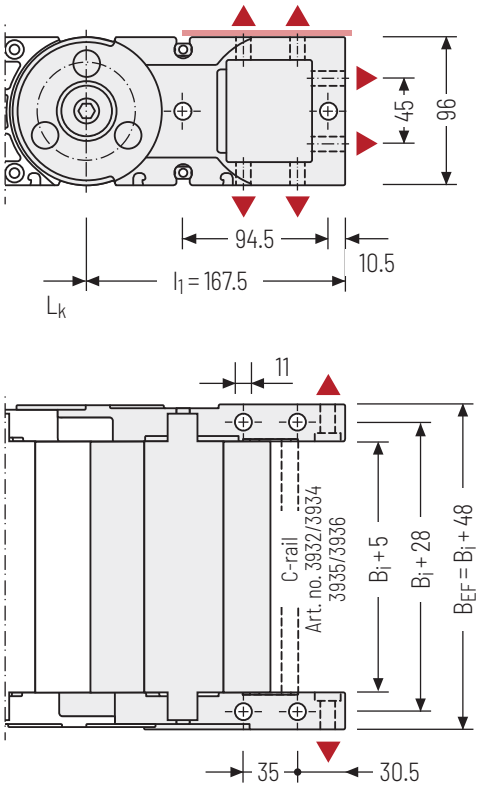
More product information online

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

Configure your custom cable carrier here: **online-engineer.de**

Universal end connectors UMB – plastic (standard)

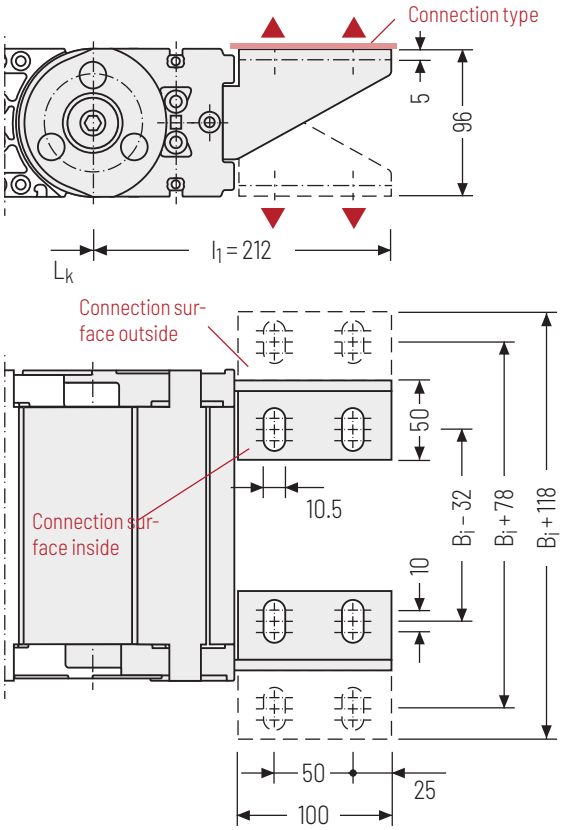
The universal end connectors (UMB) are made from plastic and can be mounted **from the top, from the bottom, face on or from the side.**



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

End connectors – plastic/steel

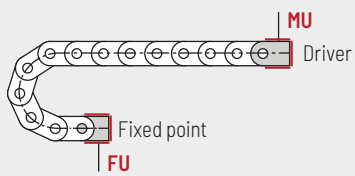
Plastic link end connector, steel end connector. The connection variants on the fixed point and on the driver can be combined and, if required, changed afterwards.



▲ Assembly options

Connection point
F – fixed point
M – driver

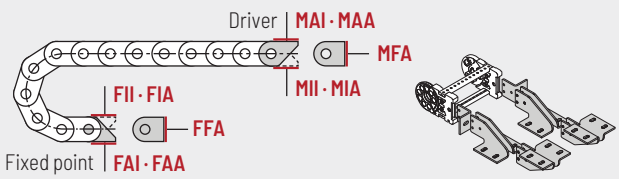
Connection type
U – universal end connector



Connection point
F – fixed point
M – driver

Connection surface
A – connection surface outside
I – connection surface inside

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 at the driver and fixed point. See from p. 908.

MT1300

Pitch
130 mm

Inner height
87 mm

Inner widths
100 – 800 mm

Bending radii
240 – 500 mm

Stay variants

Aluminum cover RMD ..... page **660**

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.

TOTALTRAX® complete systems

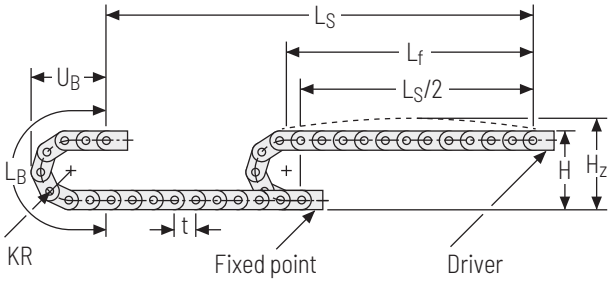
Benefit from the advantages of the TOTALTRAX® complete system. A complete delivery from one source – with a warranty certificate on request! Learn more at **tsubaki-kabelschlepp.com/totaltrax**

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 **tsubaki-kabelschlepp.com/traxline**

MT1300 | Installation dim. | Unsupported · Gliding

Unsupported arrangement

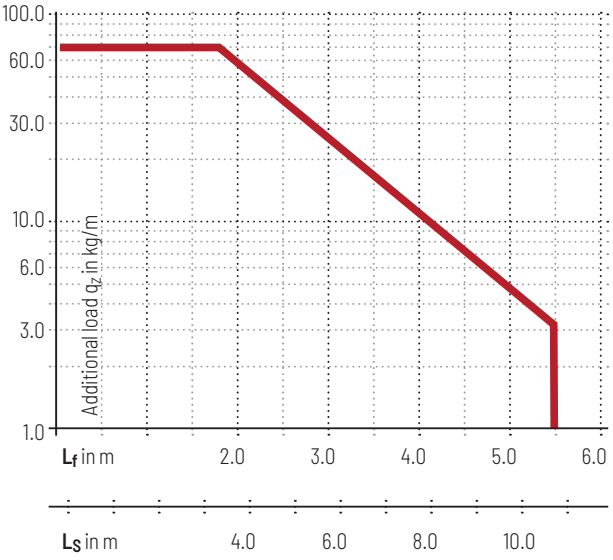


KR [mm]	H [mm]	Hz [mm]	LB [mm]	UB [mm]
240	660	720	1014	430
280	740	800	1140	470
320	820	880	1266	510
360	900	960	1391	550
400	980	1040	1517	590
500	1180	1240	1831	690

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.



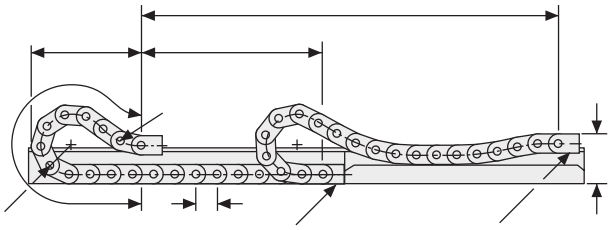
Speed
up to 10 m/s

Acceleration
up to 20 m/s²

Travel length
up to 10.8 m

Additional load
up to 70 kg/m

Gliding arrangement | GO module with chain links optimized for gliding



KR [mm]	H [mm]	GO module RKR [mm]	LB [mm]	UB [mm]
240	360	500	2470	1125
320	360	500	2880	1240
360	360	500	3140	1331
500	360	500	4310	1756

Speed
up to 8 m/s

Acceleration
up to 20 m/s²

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. 850.

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.

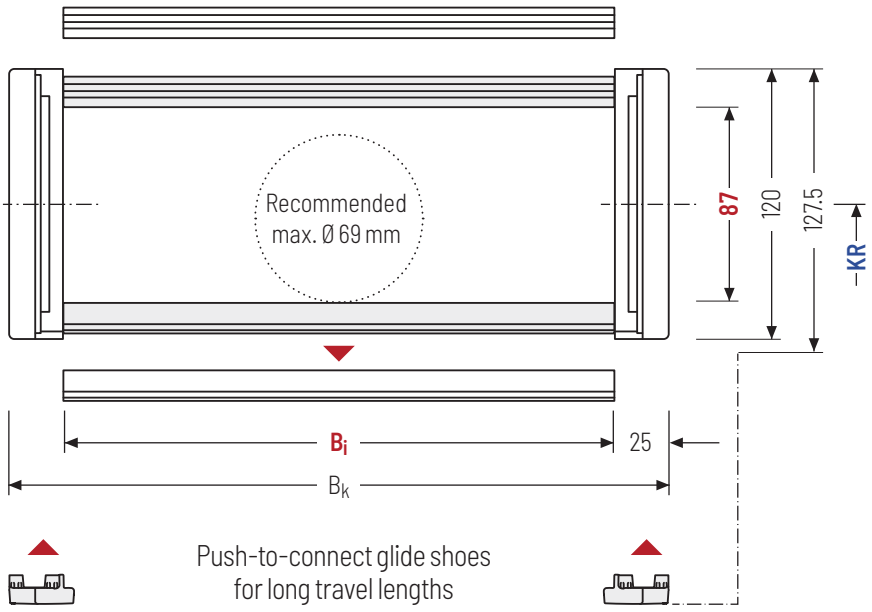
MT1300 RMD | Dimensions · Technical data

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.

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

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	.	360	.	RMD	.	360	-	2600		VS
Type		B_i [mm]		Stay variant		KR [mm]		L_k [mm]		Stay arrangement

MT1300 RMD | Inner distribution | TS0 · TS1 · TS3

Divider systems

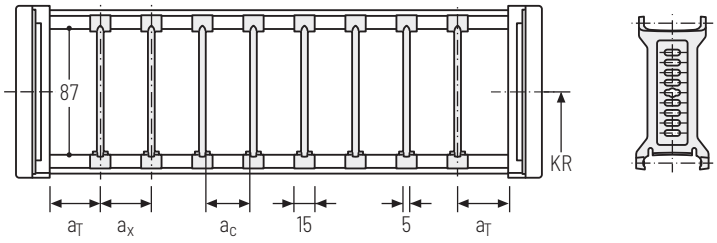
As a standard, the divider system is mounted on every 2nd chain link.

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)**.

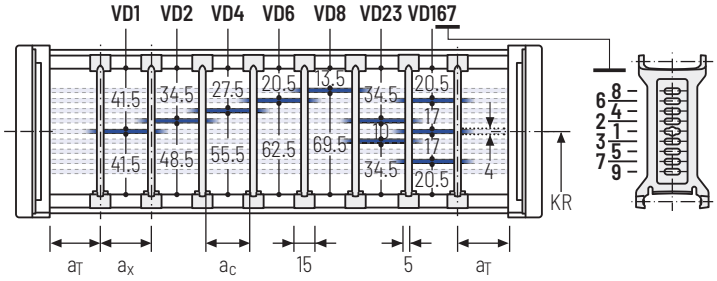
Divider system TS0 without height separation

Vers.	a_T min [mm]	a_x min [mm]	a_c min [mm]	a_x grid [mm]	n_T min
A	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]	n_T min
A	12	25	15	10	–	2
B	15	25	15	10	5	2

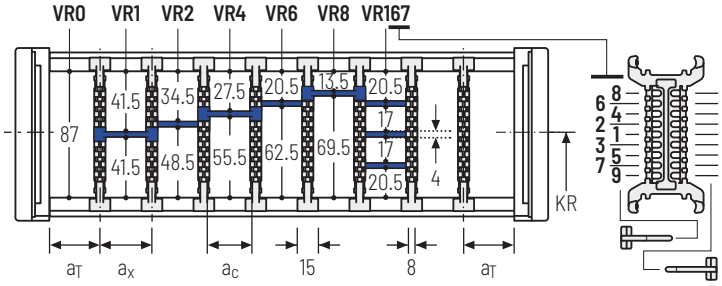


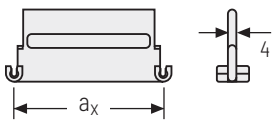
Divider system TS3 with partial height separation

Vers.	a_T min [mm]	a_x min [mm]	a_c min [mm]	n_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.





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

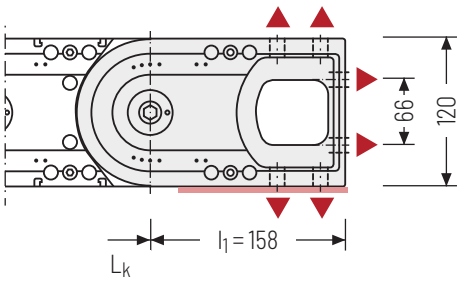
a_x (center distance of dividers) [mm]											
a_C (nominal width of inner chamber) [mm]											
16	**18**	**23**	**28**	**32**	**33**	**38**	**43**	**48**	**58**	**64**	**68**
8	10	15	20	24	25	30	35	40	50	56	60
78	**80**	**88**	**96**	**112**	**128**	**144**	**160**	**176**	**192**	**208**	
70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

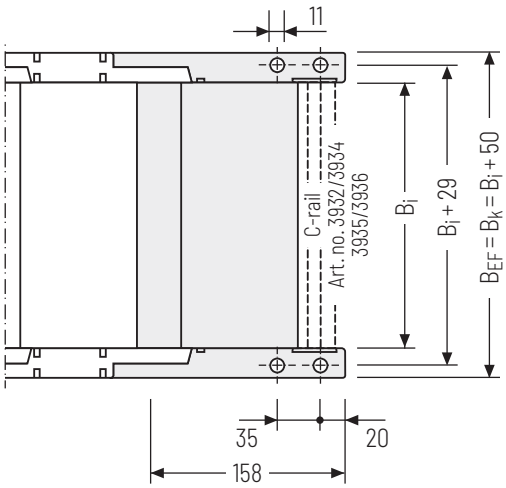
When using **plastic partitions with a_x > 112 mm**, we recommend an additional center support with a **twin divider** (S_T = 5 mm). Twin dividers are also suitable for retrofitting in the partition system.

MT1300 | End connectors

Universal end connectors UMB – plastic (standard)

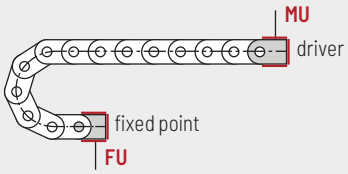
The universal end connectors (UMB) are made from plastic and can be mounted **from the top, from the bottom, face on or from the side.**





▲ Assembly options

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



Connection point
F – fixed point
M – driver

Connection type
U – Universal mounting bracket

Order example

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

We recommend the use of strain reliefs at the driver and fixed point. See from p. 908.

More product information online

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

Configure your custom cable carrier here: **online-engineer.de**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