Innovation in Motion
TSUBAKI

KABELSCHLEPP

M series

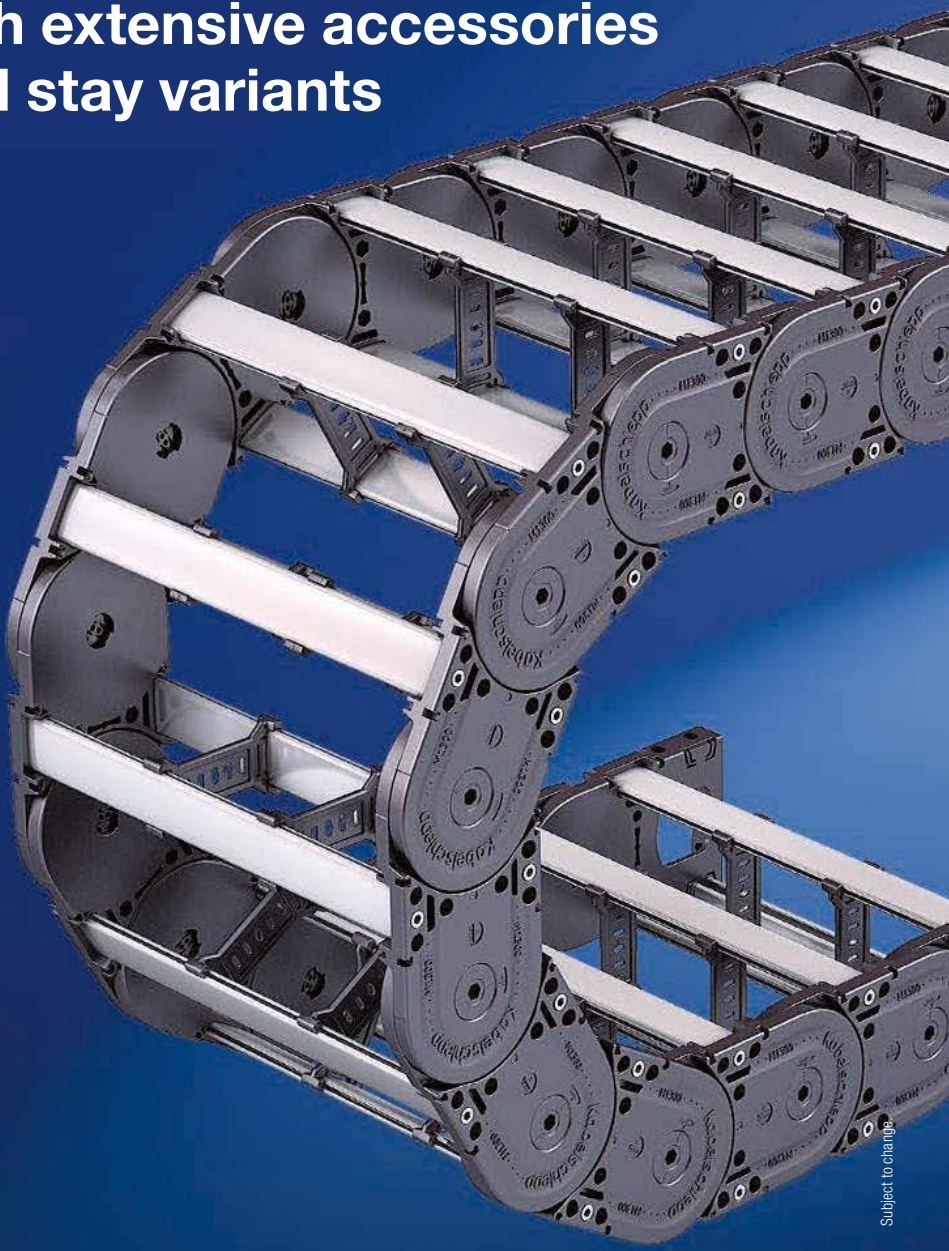
VARIABLE CABLE CARRIER

EXTREMELY ROBUST

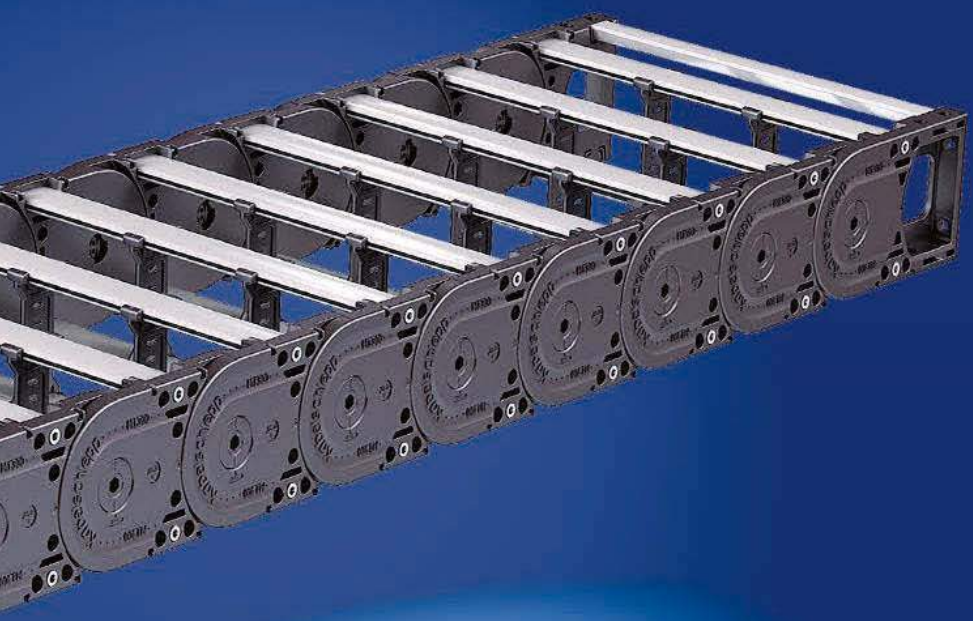
EXTENSIVE ACCESSORIES

M series

Variable cable carrier with extensive accessories and stay variants



Subject to change



Inner heights
19 – 87 mm

Inner widths
24 – 800 mm

Pitch
32 – 130 mm

Additional load
up to 65 kg/m

Travel length unsupported
up to 9.9 m

Travel length gliding
up to 300 m

Travel speed
up to 10 m/s

Travel acceleration
up to 50 m/s²

B_i increments
1, 4, 8 and 16 mm

All technical data and features depend on application and type.
Let us know your requirements - we are here to help!

Fon: +49 (0) 2762 4003-0 or e-mail: technik@kabelschlepp.de

Subject to change.

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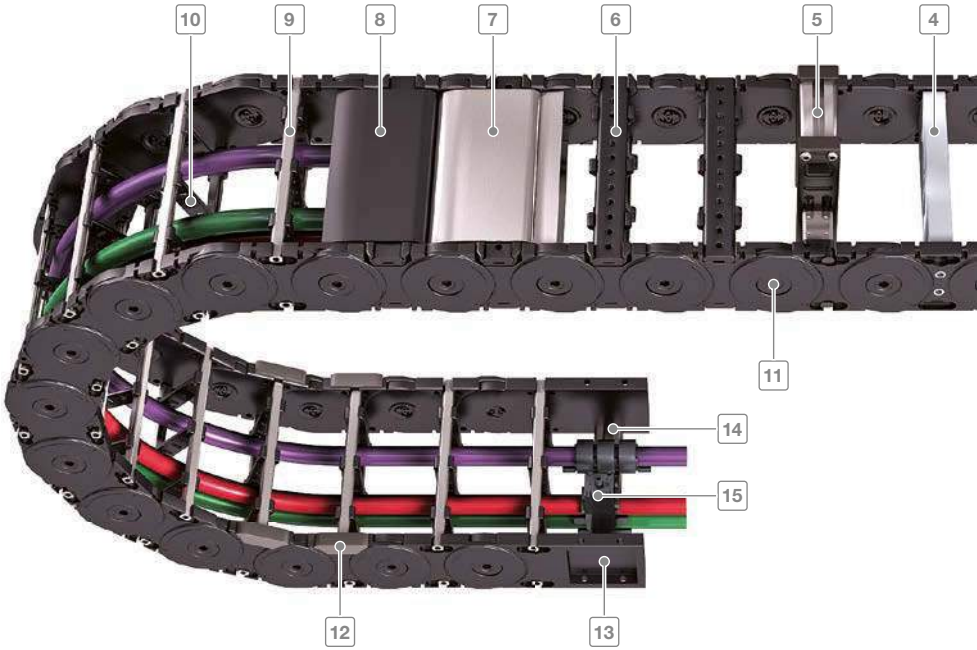
M series | Overview



Features

- Encapsulated stroke system, dirt-resistant
- Durable sidebands through robust link plate design
- Easy assembly of sidebands through bars with easy to assemble locking bolts
- Long service life due to minimized hinge wear owing to the “life extending 2 disc principle”
- Variable vertical inner distribution optional with fixable dividers
- Large selection of vertical and horizontal stay systems and dividing options for your cables
- Universal end connectors (UMB) with integrated strain relief using strain relief comb or C-rail
- Can be opened on the inside and the outside for installation of cables and hoses
- Replaceable glide shoes for a longer service life with gliding applications on long travel lengths
- Versions with aluminum stays in 1 mm width sections up to 800 mm inner width
- Versions with Aluminum stays and ball joint for easy opening
- Versions with plastic stays available in 4, 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

Subject to change.

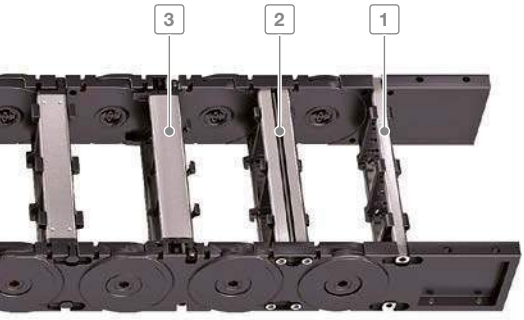
kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

M series | Overview

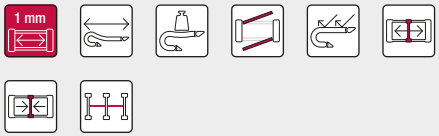


Example of inner distribution

1 Aluminum stays available in **1 mm width sections**
2 4-fold screw-fixed aluminum stays for extreme loads
3 Aluminum stays with ball joint
4 Aluminum hole stays
5 Mounting frame stays
6 Plastic stays available in **4, 8** or **16 mm width sections**
7 Aluminum cover available in **1 mm width sections**
8 Plastic cover available in **8** or **16 mm width sections**
9 Can be opened quickly on the inside and the outside for cable laying
10 Fixable dividers
11 Locking bolts
12 Replaceable glide shoes
13 Universal end connectors (UMB)
14 C-rail for strain relief elements
15 Strain relief combs

Selection criteria for M series

- For dirty environmental conditions
- If a particularly sturdy cable carrier is required
- If easy and fast assembly is required
- If a particularly long service life is required
- For requirements for a variable simple inner distribution also with fixable dividers
- If vertical and horizontal cable separation is required
- If screw fixing of the end connectors is required from above, below and the face side
- If an integrated strain relief or a C-rail is required onthe end connector



- If a cable carrier has to be adapted to the available space precisely at 1 mm increments
- If an especially wide cable carrier up to 800 mm inner width is required
- If replaceable glide shoes are desired for long travel lengths
- If easy opening is required

Type	h_i [mm]	B_i [mm]	t [mm]	Page
M0320	19	25 – 280	32.0	6
M0475	28	24 – 280	47.5	24
M0650	38	50 – 500	65.0	36
M0950	51 – 58	45 – 600	95.0	64
M1250	66 – 72	71 – 800	125.0	108
M1300	87	100 – 800	130.0	150

Subject to change.

M0320

Pitch
32 mm

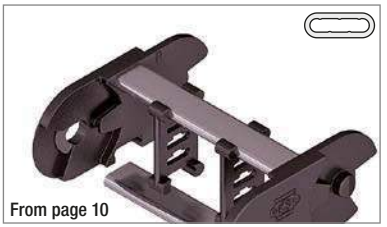
Height
19 mm

Width
25 – 280 mm

Bending radius
37 – 200 mm

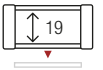
Stay variants

Aluminum stay 01

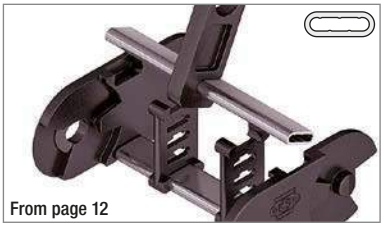

From page 10

Frame stay detachable inside
- Space-saving, quick to open and close.
- Aluminum profile bars for light to medium loads. Assembly without screws.
- Available customized in **1 mm width sections**.

Opening options
inside: Release by turning by 90°.

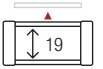


Aluminum stay 02

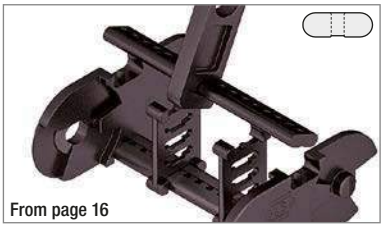

From page 12

Frame stay detachable outside “the standard”
- Space-saving, quick to open and close.
- Aluminum profile bars for light to medium loads. Assembly without screws.
- Available customized in **1 mm width sections**.

Opening options
outside: Release by turning by 90°.

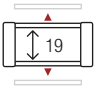


Plastic stay RE


From page 16

Frame screw-in stay
- Plastic profile bars for light to medium loads. Assembly without screws.
- Available customized in **4 mm width sections**.

Opening options
outside/inside: Release by turning by 90°.



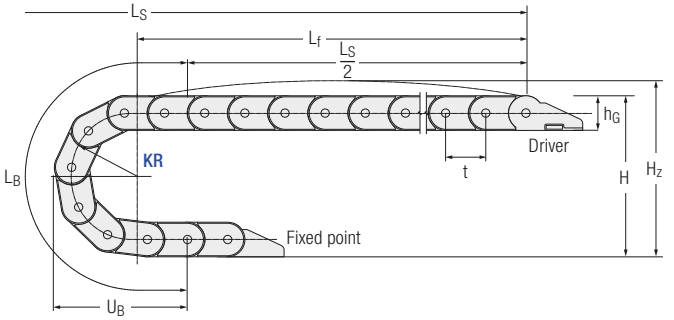
Technical data on page 8

Subject to change.

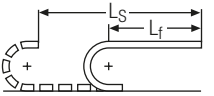
Subject to change.

M0320 | Installation Dimensions | Unsupported

Unsupported arrangement



Unsupported length L_f



A sagging of the cable carrier is technically permitted for extended travel lengths, depending on the specific application.

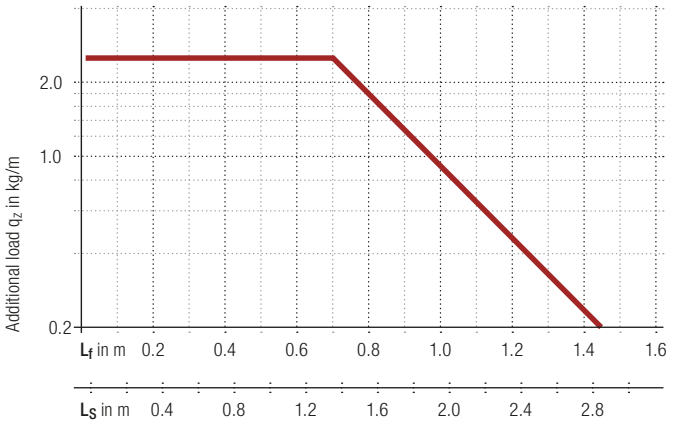
Dynamics of unsupported arrangement		t
v_{max} [m/s]	a_{max} [m/s²]	[mm]
10	50	32

Installation dimensions unsupported

KR [mm]	H [mm]	H_Z [mm]	L_B [mm]	U_B [mm]
37	101.5	121.5	181	83
47	121.5	141.5	212	93
77	181.5	201.5	306	123
100	227.5	247.5	379	146
200	427.5	427.5	693	246

Load diagram

for unsupported length depending on additional load



Intrinsic cable carrier weight q_k = 0.54 kg/m. The maximum additional load decreases if this value is exceeded.

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

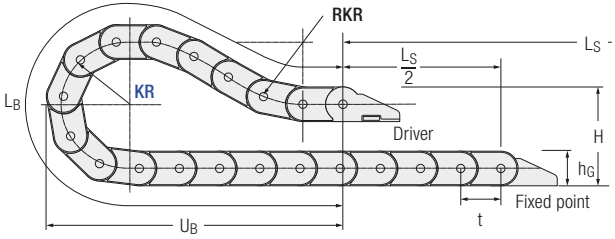
Unsupported length L_f

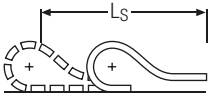
$$L_f = \frac{L_S}{2} + t$$

Fixed point offset L_v:
For off-center fixed point connections please contact us.

Subject to change.

Gliding arrangement





For more information on gliding arrangement please contact us.

Dynamics of gliding arrangement		t
v_{max} [m/s]	a_{max} [m/s²]	[mm]
2.5	25	32

The gliding cable carrier has to be routed in a channel.
Our engineers will be happy to help with project planning – 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

TSUBAKI KABELSCHLEPP Technical Support

If you have any questions about determining gliding cable carriers or other technical details please contact our technical support service at technik@kabelschlepp.de. We will be happy to help you.

Subject to change.

MC0320 01 | Overview

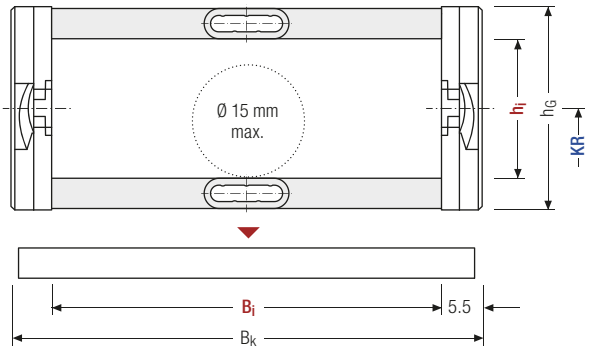
Aluminum stay 01 – frame stay detachable inside

- Extremely quick to open and close.
- Aluminum profile bars for light to medium loads. Assembly without screws.
- Available customized in **1 mm width sections**.
- **Opening options inside:** Release by turning by 90°.

Stay arrangement on every chain link **(VS)**

1 mm

B_i from 25 – 280 mm in **1 mm width sections**



Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 11$ mm

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

kabelschlepp.de/m

Configure your cable carrier: **onlineengineer.de**

Technical support: **technik@kabelschlepp.de**

online-engineer.de Cable Carrier Configurator

Subject to change.

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]
32	19	27.5

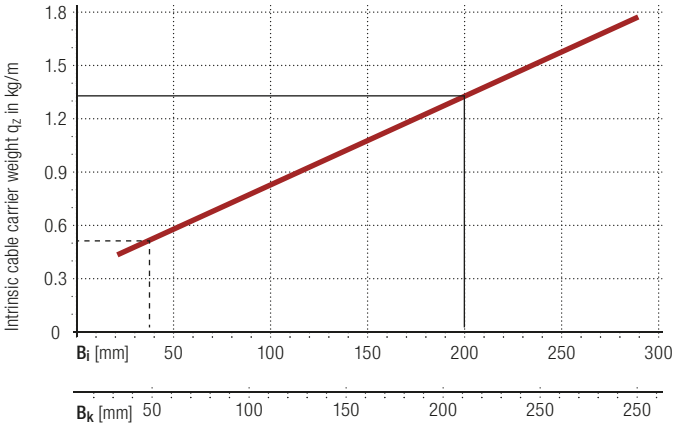
Bend radii

KR [mm]				
37	47	77	100	200

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
25	36	0.47
50	61	0.60
75	86	0.72
100	111	0.84
125	136	0.97
150	161	1.09
175	186	1.21
200	211	1.34
225	236	1.46
250	261	1.58
275	286	1.70

The stated values for B_i are sample values in 25 sections.
Stay variant 01 is available in **1 mm width sections**.



Reference weight = intrinsic cable carrier weight q_k = 0.54 kg/m
Determined weight

Calculation example

B_i	=	200 mm
B_k	=	211 mm
q_k	=	1.34 kg/m

M series
Inner height 19
Inner width 25 – 280
Incre-ments 1 mm
Key for abbreviated symbols on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 34

Subject to change.

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

MC0320 02 | Overview

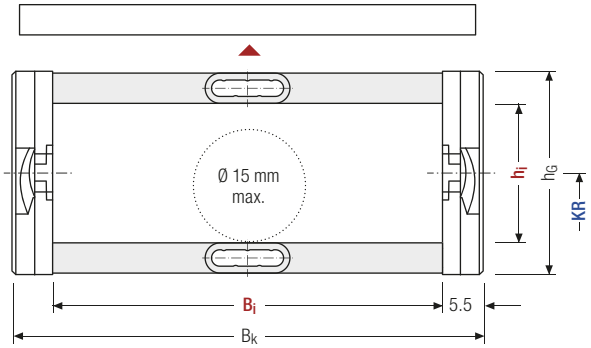
Aluminum stay 02 – frame stay detachable outside

- Extremely quick to open and close.
- Aluminum profile bars for light to medium loads. Assembly without screws.
- Available customized in **1 mm width sections**.
- **Opening options**
  outside: Release by turning by 90°.

Stay arrangement on every chain link **(VS)**

1 mm

B_i from 25 – 280 mm in **1 mm width sections**



Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 11$ mm

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

Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

Subject to change.

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]
32	19	27.5

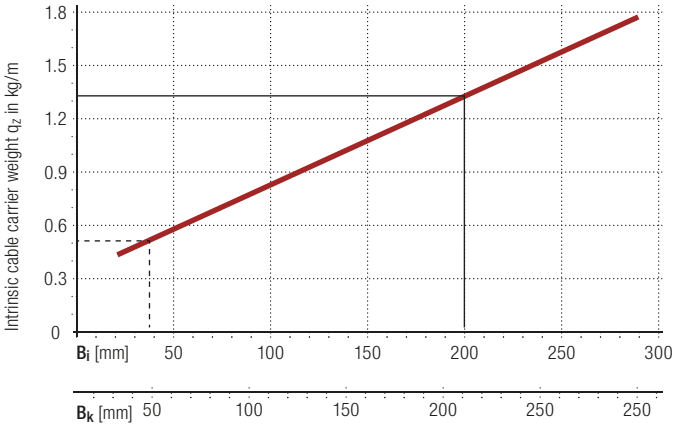
Bend radii

KR [mm]				
37	47	77	100	200

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
25	36	0.47
50	61	0.60
75	86	0.72
100	111	0.84
125	136	0.97
150	161	1.09
175	186	1.21
200	211	1.34
225	236	1.46
250	261	1.58
275	286	1.70

The stated values for B_i are sample values in 25 sections.
Stay variant 02 is available in **1 mm width sections**.



Reference weight = intrinsic cable carrier weight q_k = 0.54 kg/m
Determined weight

Calculation example

B_i	=	200 mm
B_k	=	211 mm
q_k	=	1.34 kg/m

Subject to change.

MC0320 01/02 | Inner Distribution | TS0

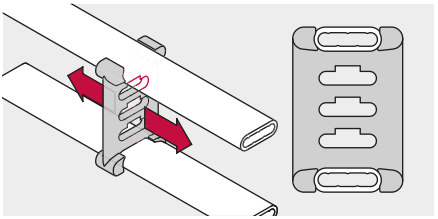
Divider systems

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

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

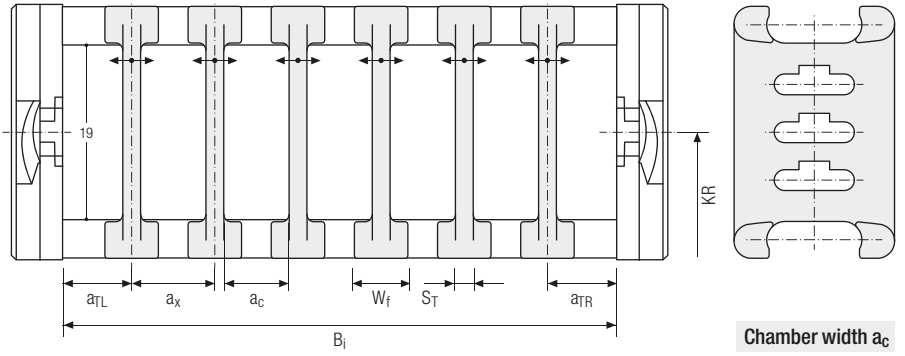
Movable divider

Version A



Divider system TS0 without height separation

Version A				
S_T [mm]	W_f [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]
2	6	3	6	4



Chamber width a_c

$a_c = a_x - S_T$

Order example

TS0	.	A	.	3
Divider system		Version		n_T

Information on the connection dimensions for the cable carrier can be found on page 20 f.

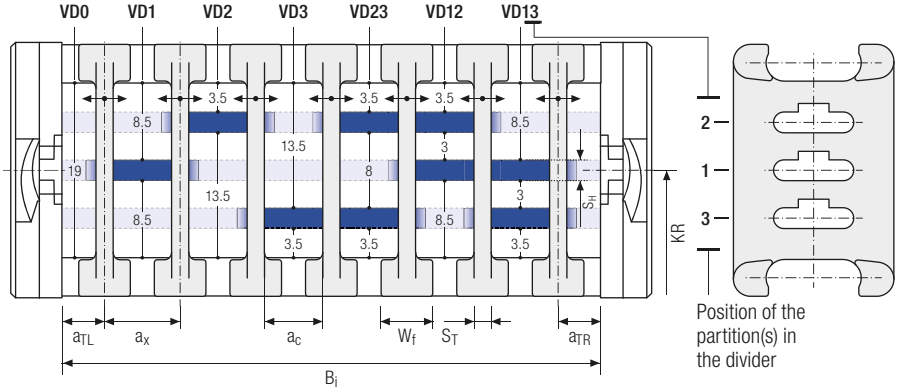
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
kabelschlepp.de/m
online-engineer.de Cable Carrier Configurator

Subject to change.

MC0320 01/02 | Inner Distribution | TS1

Divider system TS1 with continuous height separation

Version A							
S_T [mm]	W_f [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{TL}/a_{TR\ max}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
2	6	2	3	20	6	4	2



Standard height separation with **aluminum profile 9 × 2 mm**.
The dividers can be moved in the cross section.

Chamber width a_c

$a_c = a_x - S_T$

TOTALTRAX® complete systems

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More product information online

Assembly instructions etc.: Receive additional info via your smartphone or check online at **kabelschlepp.de/support**

Configure your custom cable carrier: **onlineengineer.de**

Information on the connection dimensions for the cable carrier can be found on page 20 f.

Subject to change.

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

ME0320 RE | Overview

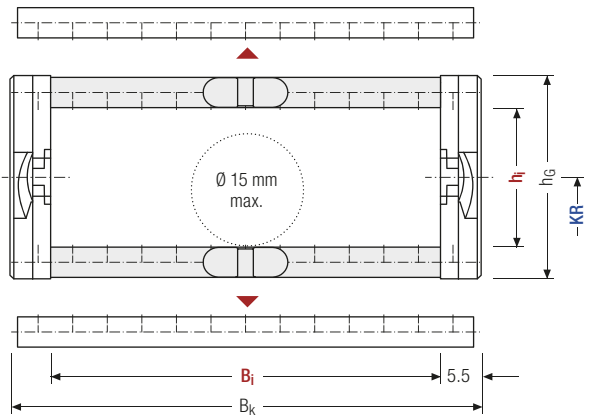
Plastic stay RE – frame screw-in stay

- Plastic profile bars for light to medium loads. Assembly without screws.
- Available customized in **4 mm width sections**.
- **Opening options outside/inside:** Release by turning by 90°.

Stay arrangement on every chain link **(VS)**

4 mm

B_i from 25 – 149 mm in **4 mm width sections**



Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 11$ mm

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

Subject to change.

ME0320 RE | Dimensions · Technical Data

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]
32	19	27.5

Bend radii

KR [mm]				
37	47	77	100	200

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
25	36	0.46
29	40	0.47
33	44	0.48
37	48	0.50
41	52	0.51
45	56	0.52
49	60	0.54
53	64	0.55
57	68	0.56
61	72	0.57
65	76	0.58
69	80	0.59
73	84	0.60
77	88	0.62
81	92	0.63
85	96	0.64
89	100	0.66
93	104	0.67
97	108	0.68
101	112	0.69
105	116	0.71
109	120	0.72
113	124	0.73
117	128	0.74
121	132	0.76
125	136	0.77
129	140	0.78
133	144	0.80
137	148	0.81
141	152	0.82
145	156	0.84
149	160	0.85

Subject to change.

ME0320 RE | Inner Distribution | TS0

Divider systems

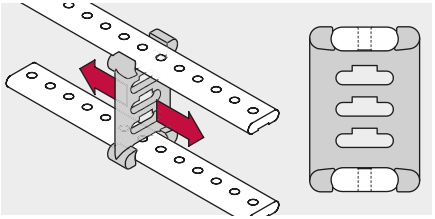
As a standard, the divider system is mounted on each crossbar – for stay mounting on every 2nd chain link (HS).

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

The dividers are easily attached to the stay for applications with lateral acceleration and for applications laying on their side by simply turning the frame stay by 180°. The locking cams click into place in the locking grids in the crossbars **(version B)**. The groove in the frame stay faces outwards.

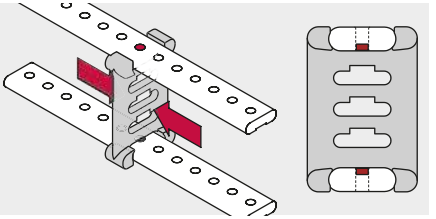
Movable divider

Version A (Standard)



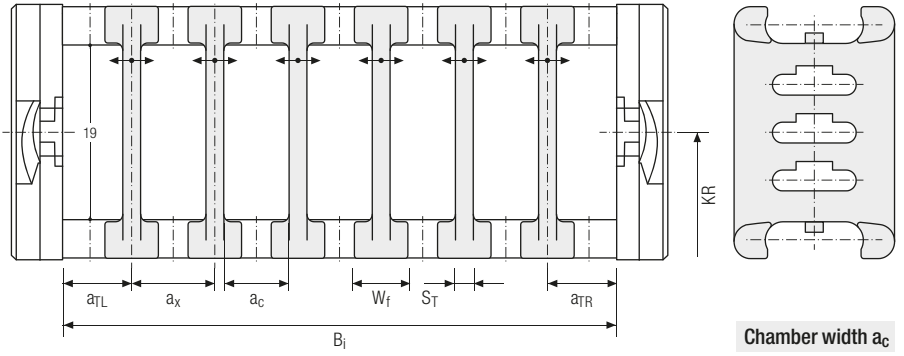
Fixable divider (4 mm grid)

Version B



Divider system TS0 without height separation

S_T [mm]	W_f [mm]	Version A: a_{TL}/a_{TR} min [mm]	Version A: a_x min [mm]	Version A: a_c min [mm]	Version B: a_{TL}/a_{TR} min [mm]	Version B: a_x min [mm]	Version B: a_c min [mm]	Version B: a_x grid [mm]
2	6	3	6	4	4.5	8	6	4



Chamber width a_c

$a_c = a_x - S_T$

Order example

TS0	.	A	.	3
Divider system		Version		n_T

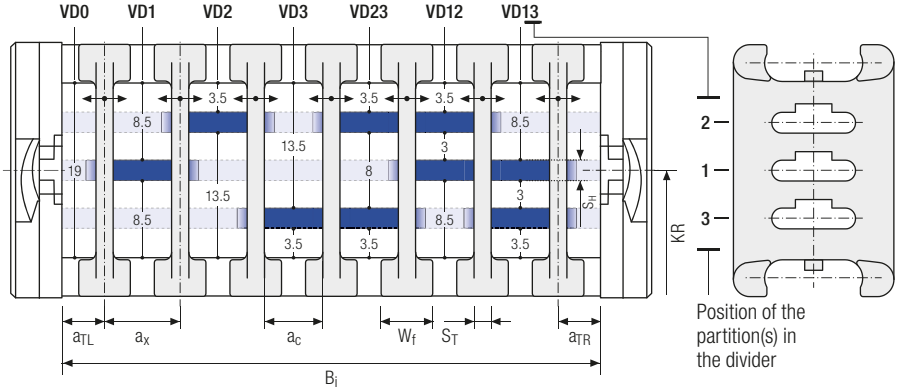
Information on the connection dimensions for the cable carrier can be found on page 20 f.

Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
kabelschlepp.de/m
online-engineer.de Cable Carrier Configurator
Subject to change.

ME0320 RE | Inner Distribution | TS1

Divider system TS1 with continuous height separation

S_T [mm]	W_f [mm]	S_H [mm]	$n_{T\ min}$	Version A: $a_{T\ min}$ [mm]	Version A: $a_{T\ max}$ [mm]	Version A: $a_{x\ min}$ [mm]	Version A: $a_{c\ min}$ [mm]	Version B: $a_{T\ min}$ [mm]	Version B: $a_{T\ max}$ [mm]	Version B: $a_{x\ min}$ [mm]	Version B: $a_{c\ min}$ [mm]	Version B: $a_{x\ grid}$ [mm]
2	6	2	2	3	20	6	4	4.5	20.5	8	6	4



Standard height separation with **aluminum profile 9 × 2 mm**.
The dividers can be moved in the cross section.

Chamber width a_c

$a_c = a_x - S_T$

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

More product information online

Assembly instructions etc.: Receive additional info via your smartphone or check online at **kabelschlepp.de/support**

Configure your custom cable carrier: **onlineengineer.de**

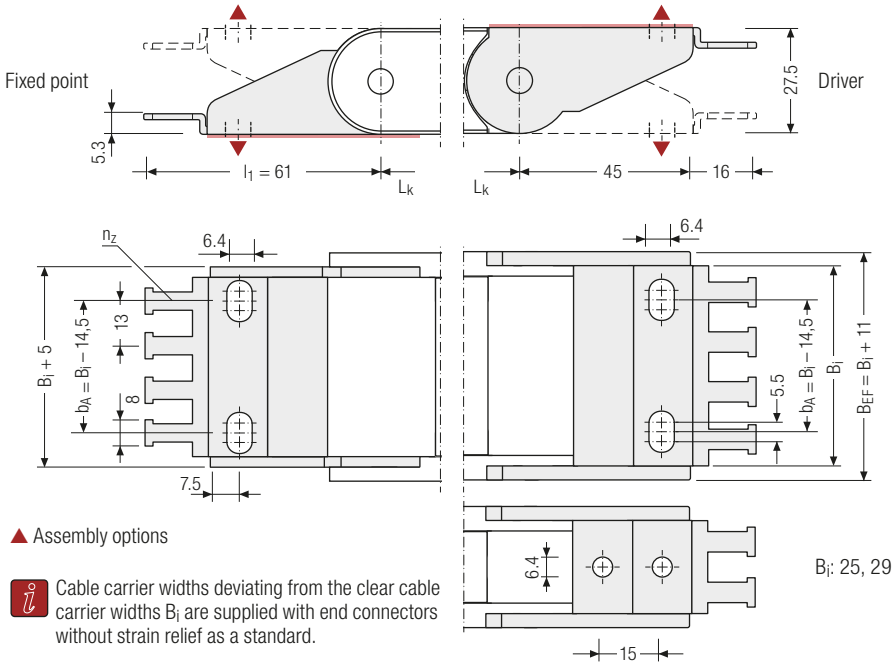
Information on the connection dimensions for the cable carrier can be found on page 20 f.

Subject to change.

M0320 | End Connectors | End Connectors

One part end connectors – plastic/aluminum (with integrated strain relief)

The plastic/aluminum end connectors can be **connected from above and below**. The connection variants on the fixed point and on the driver can be combined and, if required, changed subsequently.



▲ Assembly options

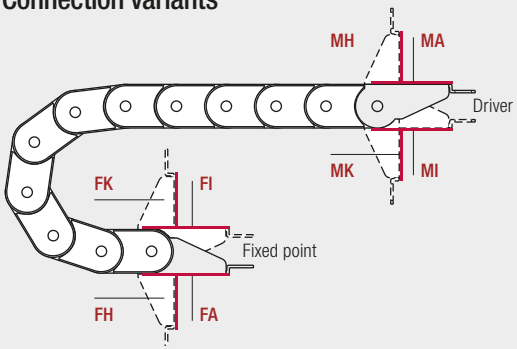
Cable carrier widths deviating from the clear cable carrier widths B_i are supplied with end connectors without strain relief as a standard.

B_i: 25, 29

B_i [mm]	B_{EF} [mm]	n_z
25	36	2
29	40	2
37	48	3
39	50	4
49	60	4

B_i [mm]	B_{EF} [mm]	n_z
69	80	5
89	100	7
109	120	8
124	135	10
149	160	11

Connection variants



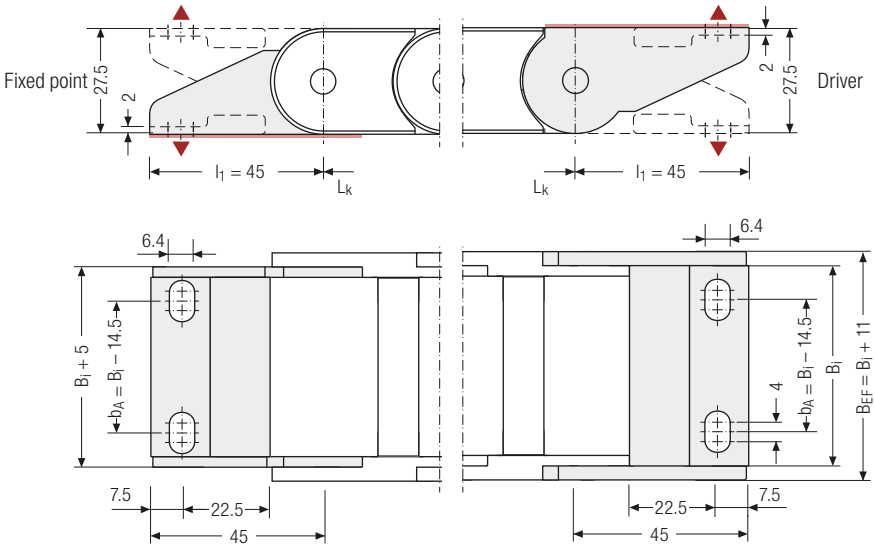
Connection point
- **F** – fixed point
- **M** – driver

Connection type
- **A** – threaded joint outside (standard)
- **I** – threaded joint inside
- **H** – threaded joint outside rotated by 90°
- **K** – threaded joint inside rotated by 90°

Subject to change.

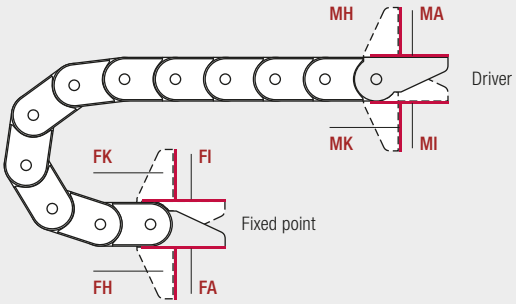
One part end connectors – plastic/aluminum

The plastic/aluminum end connectors can be **connected from above and below**. The connection variants on the fixed point and on the driver can be combined and, if required, changed subsequently.



▲ Assembly options

Connection variants



Connection point
- **F** – fixed point
- **M** – driver

Connection type
- **A** – threaded joint outside (standard)
- **I** – threaded joint inside
- **H** – threaded joint outside rotated by 90°
- **K** – threaded joint inside rotated by 90°

Subject to change.

M0320 | Order Key

Order

Cable carrier

Type	B_i [mm]	Stay variant	KR [mm]	L_k [mm]	Stay arrangement
			37		
	25	01	47		
MC0320	…	02	77		HS
ME0320	280	RE	100		VS
			200		

MC0320	.	200	.	RS 2	.	100	-	1152
Type		B_i [mm]		Stay variant		KR [mm]		L_k [mm]

HS
Stay arrangement

Caution: Not all combinations are possible. Please note the information on the individual stay variants.

International order specification INTOK: Information about the International Order Key can be found in the chapter “International Order Key” from page 1.

Divider system

Divider system	Version	n_T	Height separation (not for TS0)
			VD0
TS0	A	min. 2	VD1
TS1	B	…	…

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. VD23] viewed from the left driver belt.

Connection

End connector	Connection point	Connection type
		A
	F	I
Plastic/aluminum	M	H
		K

Plastic/aluminum	.	F	A
Plastic/aluminum	.	M	A

Please state the desired connection variant for the fixed point and for the driver.

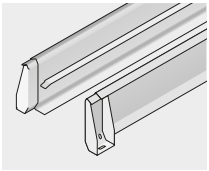
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
kabelschlepp.de/m
online-engineer.de Cable Carrier Configurator

Subject to change.

Accessories

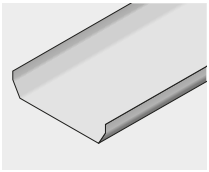
Guide channels

The cable carrier always has to be guided in a channel for gliding applications. This prevents the upper and lower run from slipping.



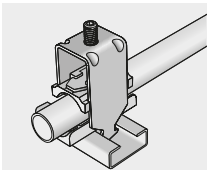
Support trays

An even surface is required for safe unrolling of the cable carrier. This is ensured by a support tray.



LineFix clamps

LineFix clamps are fixed to the C-rail. The serve as a separate strain relief or separate attachment of the cables outside the cable carrier.



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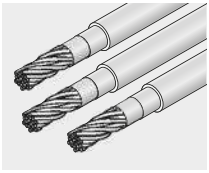

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More product information online

Assembly instructions etc.: Receive additional info via your smartphone or check online at **kabelschlepp.de/support**

Configure your custom cable carrier: **onlineengineer.de**

Subject to change.

M0475

Pitch
47.5 mm

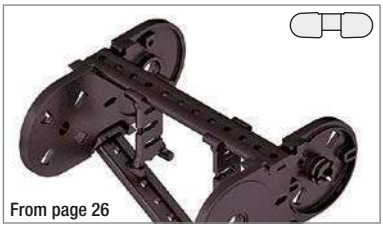
Height
28 mm

Width
24 – 280 mm

Bending radius
55 – 300 mm

Stay variants

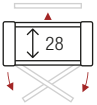
Plastic stay 01



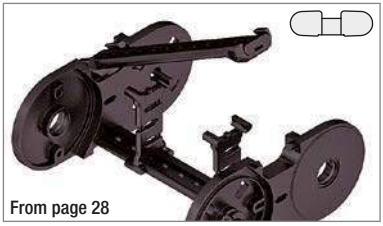
From page 26

Frame stay with hinge in the inner radius
- Plastic profile bars with hinge for light and medium loads. Assembly without screws.
- Available customized in **8 mm width sections**.

Opening options
outside: Release by turning by 90°.
inside: Swivable to both sides.



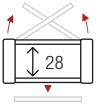
Plastic stay 02



From page 28

Frame stay with hinge in the outer radius
- Plastic profile bars with hinge for light and medium loads. Assembly without screws.
- Available customized in **8 mm width sections**.

Opening options
outside: Swivable to both sides.
inside: Release by turning by 90°.

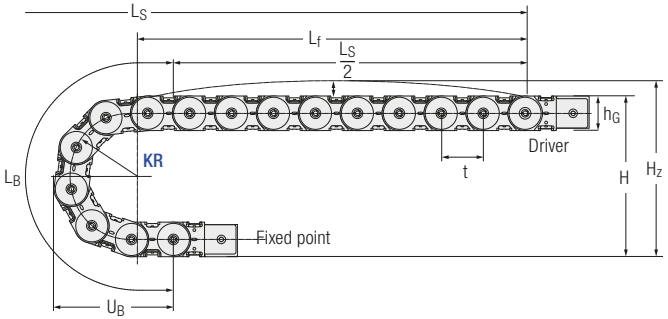


Technical data on page 25

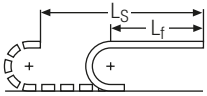
Subject to change.

M0475 | Installation Dimensions | Unsupported

Unsupported arrangement



Unsupported length L_f



A sagging of the cable carrier is technically permitted for extended travel lengths, depending on the specific application.

Dynamics of unsupported arrangement		t
v_{max} [m/s]	a_{max} [m/s²]	[mm]
10	50	47.5

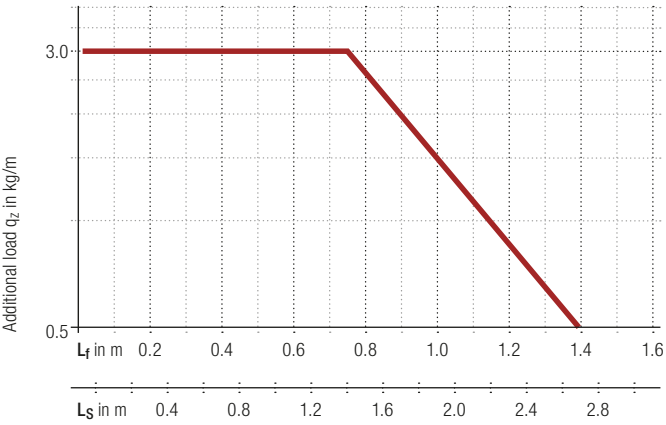
Installation dimensions unsupported

KR [mm]	H [mm]	H_z [mm]	L_B [mm]	U_B [mm]
55	149	174	268	122
75	189	214	331	142
100	239	264	410	167
130	299	324	504	197

KR [mm]	H [mm]	H_z [mm]	L_B [mm]	U_B [mm]
160	359	384	598	227
200	439	464	724	267
250	539	564	881	317
300	639	664	1,038	367

Load diagram

for unsupported length depending on additional load



Intrinsic cable carrier weight q_k = 1.7 kg/m. The maximum additional load decreases if this value is exceeded.

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

Unsupported length L_f

$$L_f = \frac{L_S}{2} + t$$

Fixed point offset L_v:
For off-center fixed point connections please contact us.

Inner height 28
Inner width 24 - 280
Key for abbreviations on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 34

Subject to change.

MK0475 RD 1 | Overview

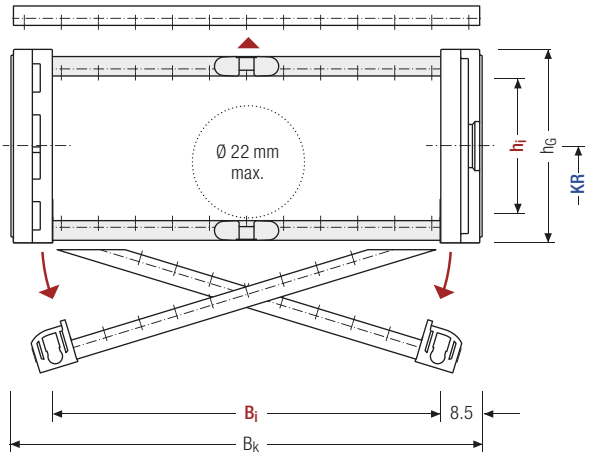
Plastic stay 01 – frame stay with hinge in the inner radius

- Plastic profile bars with hinges for light and medium loads. Assembly without screws.
- Available customized in **8 mm width sections**.
- **Opening options**
  outside: Release by turning by 90°.
  inside: Swivable to both sides.

Stay arrangement on every chain link **(VS)**, standard

8 mm

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



Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 17$ mm

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

kabelschlepp.de/m

Configure your cable carrier: **onlineengineer.de**

Technical support: **technik@kabelschlepp.de**

online-engineer.de Cable Carrier Configurator

Subject to change.

MK0475 RD 1 | Dimensions · Technical Data

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]
47.5	28	39

Bend radii

KR [mm]							
55	75	100	130	160	200	250	300

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_K [mm]	q_K [kg/m]
24	41	0.79
32	49	0.86
40	57	0.93
48	65	1.00
56	73	1.07
64	81	1.14
72	89	1.21
80	97	1.28
88	105	1.35
96	113	1.42
104	121	1.49
112	129	1.56
120	137	1.63
128	145	1.70
136	153	1.77
144	161	1.84
152	169	1.91
160	177	1.98
168	185	2.05
176	193	2.12
184	201	2.19
192	209	2.26
200	217	2.33
208	225	2.40
216	233	2.47
224	241	2.54
232	249	2.61
240	257	2.68
248	265	2.75
256	273	2.82
264	281	2.89
272	289	2.96
280	297	3.03

Subject to change.

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

MK0475 RD 2 | Overview

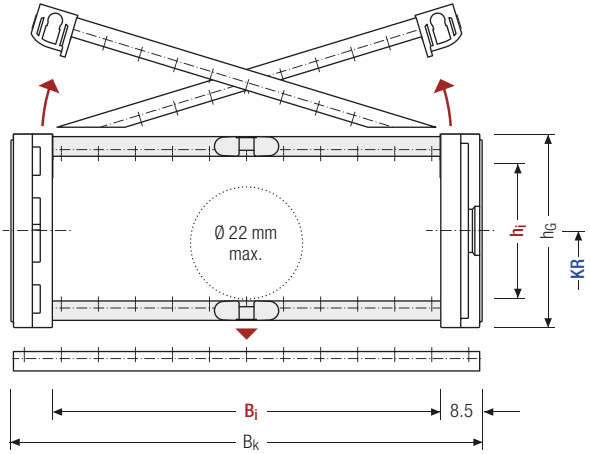
Plastic stay 02 – frame stay with hinge in the outer radius

- Plastic profile bars with hinges for light and medium loads. Assembly without screws.
- Available customized in **8 mm width sections**.
- **Opening options**
  outside: Swivable to both sides.
  inside: Release by turning by 90°.

Stay arrangement on every chain link **(VS)**, standard

8 mm

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



Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 17$ mm

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

Subject to change.

MK0475 RD 2 | Dimensions · Technical Data

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]
47.5	28	39

Bend radii

KR [mm]							
55	75	100	130	160	200	250	300

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_K [mm]	q_K [kg/m]
24	41	0.79
32	49	0.86
40	57	0.93
48	65	1.00
56	73	1.07
64	81	1.14
72	89	1.21
80	97	1.28
88	105	1.35
96	113	1.42
104	121	1.49
112	129	1.56
120	137	1.63
128	145	1.70
136	153	1.77
144	161	1.84
152	169	1.91
160	177	1.98
168	185	2.05
176	193	2.12
184	201	2.19
192	209	2.26
200	217	2.33
208	225	2.40
216	233	2.47
224	241	2.54
232	249	2.61
240	257	2.68
248	265	2.75
256	273	2.82
264	281	2.89
272	289	2.96
280	297	3.03

Subject to change.

MK0475 RD | Inner Distribution | TS0

Divider systems

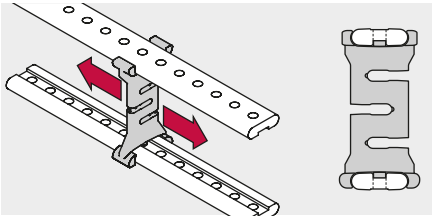
As a standard, the divider system is mounted on each crossbar – for stay mounting on every 2nd chain link (HS).

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

The dividers are easily attached to the stay for applications with lateral acceleration and for applications laying on their side by simply turning the frame stay by 180°. The locking cams click into place in the locking grids in the crossbars **(version B)**. The groove in the frame stay faces outwards.

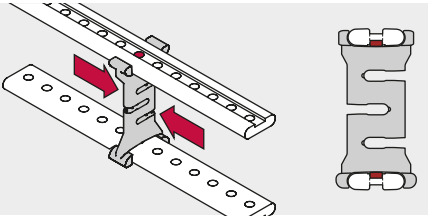
Movable divider

Version A (Standard)



Fixable divider (8 mm grid)

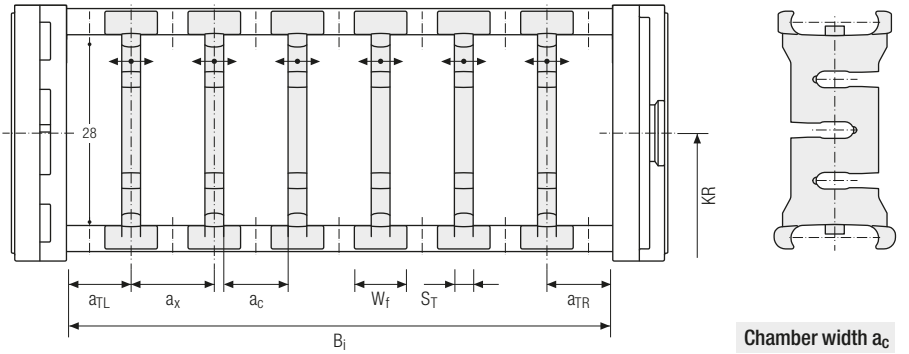
Version B



Please observe the assembly instructions on **kabelschlepp.de/info/MK0475**

Divider system TS0 without height separation

		Version A			Version B			
S_T [mm]	W_f [mm]	a_{TL}/a_{TR} min [mm]	a_x min [mm]	a_c min [mm]	a_{TL}/a_{TR} min [mm]	a_x min [mm]	a_c min [mm]	a_x grid [mm]
2.8	7.8	6	7.8	5	12	8	5.2	8



Chamber width a_c

$a_c = a_x - S_T$

Order example

TS0	.	A	.	3
Divider system		Version		n_T

Information on the connection dimensions for the cable carrier can be found on page 32 f.

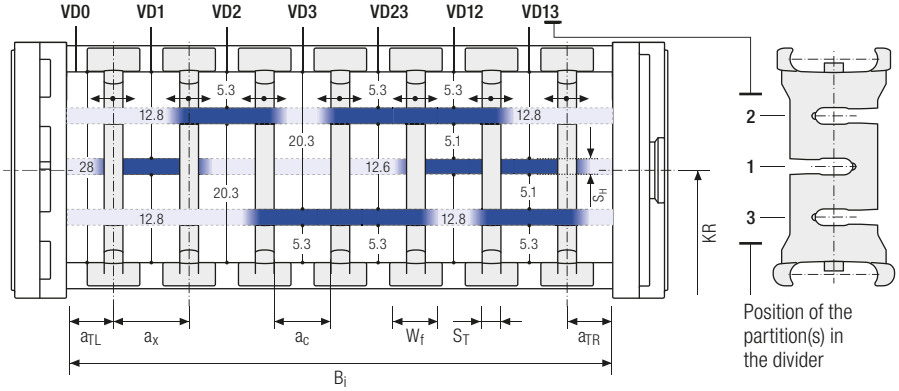
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
kabelschlepp.de/m
online-engineer.de Cable Carrier Configurator

Subject to change.

MK0475 RD | Inner Distribution | TS1 · TS2

Divider system TS1 with continuous height separation

				Version A				Version B				
S_T [mm]	W_f [mm]	S_H [mm]	$n_{T\,min}$	$a_{T\,min}$ [mm]	$a_{T\,max}$ [mm]	$a_{x\,min}$ [mm]	$a_{c\,min}$ [mm]	$a_{T\,min}$ [mm]	$a_{T\,max}$ [mm]	$a_{x\,min}$ [mm]	$a_{c\,min}$ [mm]	$a_{x\,grid}$ [mm]
2.8	7.8	2.4	2	6	20	7.8	5	12	20	8	5.2	8



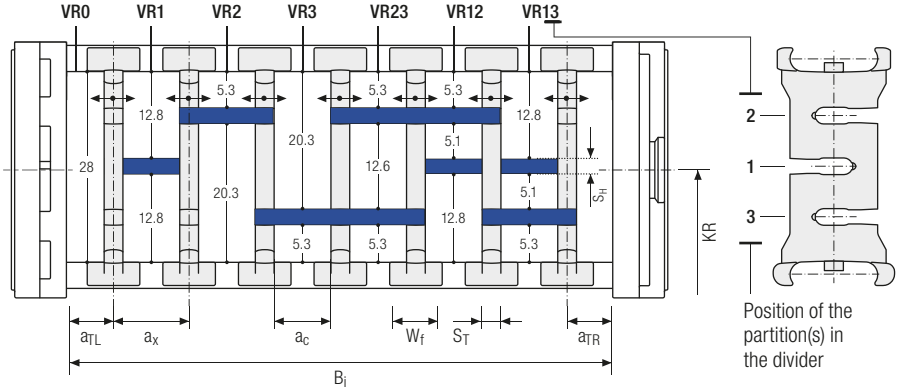
Position of the partition(s) in the divider

Standard height separation with **aluminum profile 6 × 2.4 mm**.
The dividers can be moved within the cross section (version A) or fixed (version B).

Divider system TS2 with partial height separation

Version B							
S_T [mm]	W_f [mm]	S_H [mm]	$n_{T\,min}$	$a_{TL}/a_{TR\,min}$ [mm]	$a_{x\,min}$ [mm]	$a_{c\,min}$ [mm]	$a_{x\,grid}$ [mm]
2.8	7.8	2.4	2	12	8* / 24	5.2* / 21.2	8

* for VR0



Position of the partition(s) in the divider

With grid distribution **(8 mm grid)**. Standard height separation with **aluminum profile 6 × 2.4 mm**. The dividers are attached by the height separation, the grid can be moved in the cross section (version A) or fixed (version B).

Chamber width a_c

$a_c = a_x - S_T$

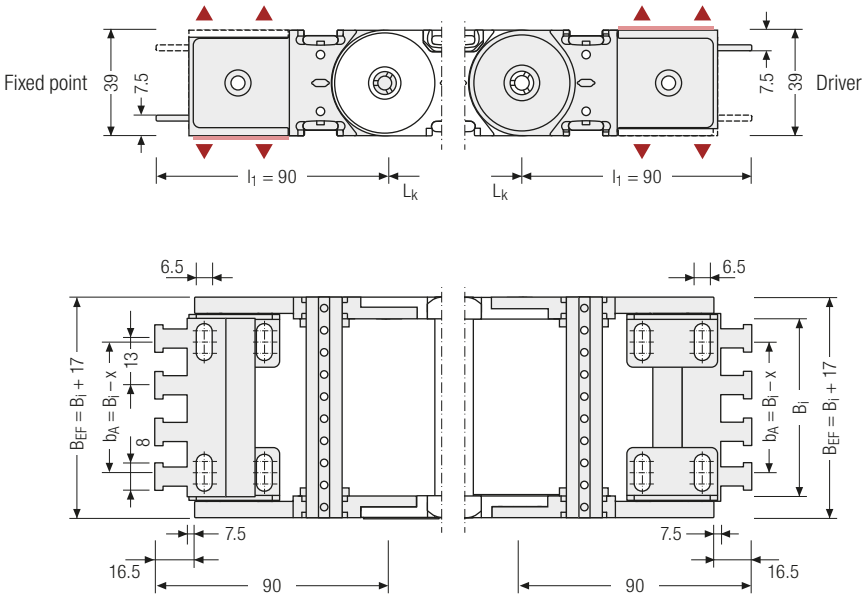
Information on the connection dimensions for the cable carrier can be found on page 32 f.

Subject to change.

M0475 | End Connectors | Plastic/Steel

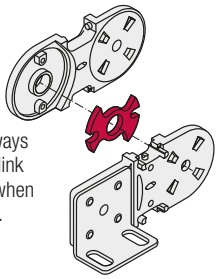
End connectors – plastic/steel (with strain relief)

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 subsequently.



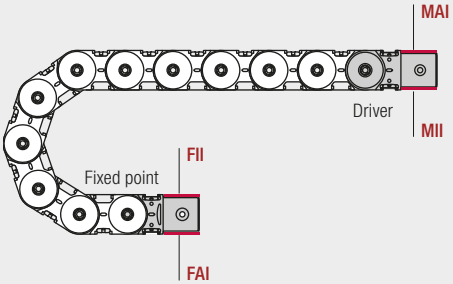
B_i [mm]	x [mm]	n_z
40	17.5	3
56	21.5	4
80	17.5	6
104	19.0	8
128	19.5	9
152	17.5	11
192	18.5	14

▲ Assembly options



As a standard, we always supply the first chain link with KR determining when using end connectors.

Connection variants



Connection point
F – fixed point
M – driver

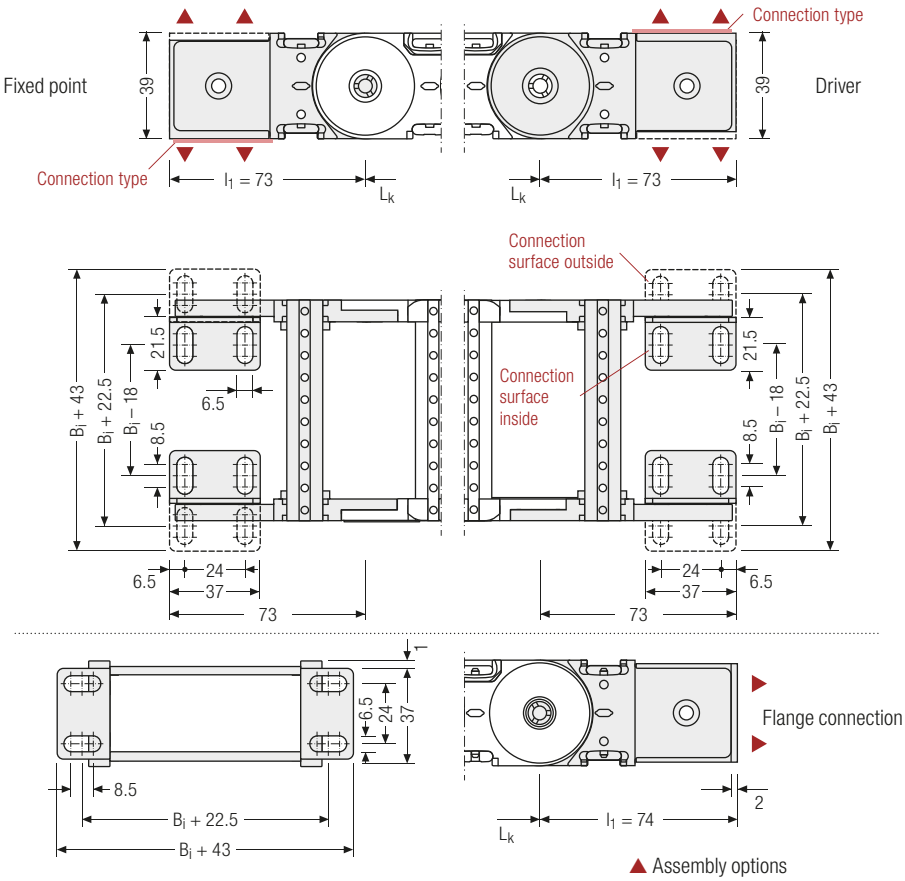
Connection type
A – threaded joint outside (standard)
I – threaded joint inside

Connection surface
I – connection surface inside

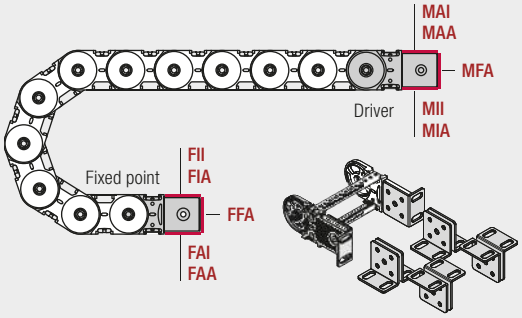
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
kabelschlepp.de/m
online-engineer.de Cable Carrier Configurator
Subject to change.

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 subsequently.



Connection variants



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

Subject to change.

M0475 | Order Key

Order

Cable carrier

Type	B_i [mm]	Stay variant	KR [mm]	L_k [mm]	Stay arrangement
MK0475	24	01	55		HS
	…	02	75		VS
	280		100		
			130		
			160		
			200		
			250		
			300		

MK0475	.	128	.	RD 2	.	100	-	1425		HS
Type		B_i [mm]		Stay variant		KR [mm]		L_k [mm]		Stay arrangement

Caution: Not all combinations are possible. Please note the information on the individual stay variants.

International order specification INTOK: Information about the International Order Key can be found in the chapter “International Order Key” from page 1.

Divider system

Divider system	Version	n_T	Chamber	a_x [mm]	Height separation (not for TS0)
TS0	A	min. 2	K1	min. 14	VD0
TS1	B	…	K2	…	VD1
TS2			…		…

TS3	.	A	.	3	.	K1	.	34	-	VD1
					.	K5	.	38	-	VD3
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].

If using divider systems with height separation **(TS1 – TS2)** please also state the positions [e.g. VD23] viewed from the left carrier belt.

Connection

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

Plastic/steel	.	F	A	A
Plastic/steel	.	M	U	

Please state the desired connection variant as well as the desired strain relief type for the fixed point and for the driver.

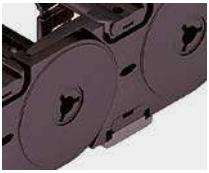
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
kabelschlepp.de/m
online-engineer.de Cable Carrier Configurator

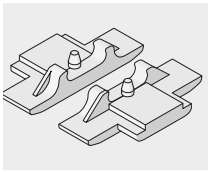
Subject to change.

Accessories

Gliding elements

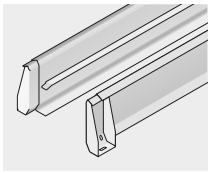
The optional glide shoes ensure a substantially longer service life of the cable carrier in gliding operation.





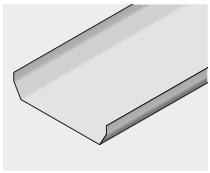
Guide channels

The cable carrier always has to be guided in a channel for gliding applications. This prevents the upper and lower run from slipping.



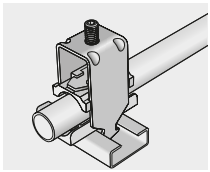
Support trays

An even surface is required for safe unrolling of the cable carrier. This is ensured by a support tray.



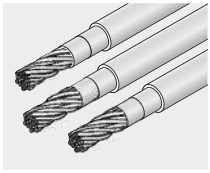
LineFix® clamps

LineFix® clamps are fixed to the C-rail. The serve as a separate strain relief or separate attachment of the cables outside the cable carrier.



TRAXLINE® cables in motion

Hi-flex electric cables which were especially developed, optimized and tested for use in cable carriers.



More product information online

Assembly instructions etc.: Receive additional info via your smartphone or check online at **kabelschlepp.de/support**

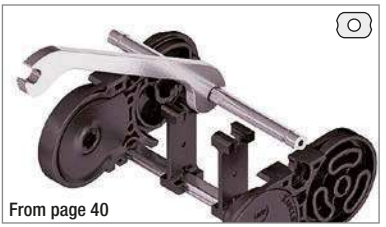
Configure your custom cable carrier: **onlineengineer.de**

Subject to change.

M0650

Stay variants

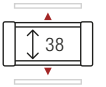
Aluminum stay RS



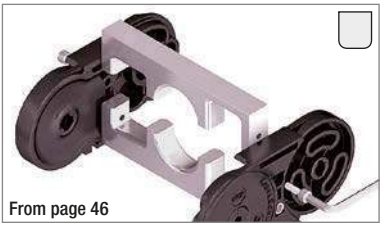
From page 40

Frame stay standard “the standard”
- Extremely quick to open and close.
- Aluminum profile bars for light to medium loads. Assembly without screws.
- Available customized in **1 mm width sections**.

Opening options
outside/inside: Release by turning by 90°.



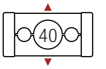
Aluminum stay LG



From page 46

Hole stay, split version
- Optimum cable routing in the neutral bending line. Split version for easy cable routing. Stays also available unsplit.
- Available customized in **1 mm width sections**.

Opening options
outside/inside: Screw-fixing easy to release.

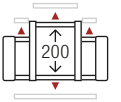


Aluminum stay RMA

From page 48

Mounting frame stay
- Aluminum profile bars with plastic mounting frame stays for guiding very large cable diameters.
- Available customized in **1 mm width sections**.

Opening options
inside/outside: Screw-fixing easy to release.



Technical data on page 38

Subject to change.

M0650 | Stay Variants | Overview

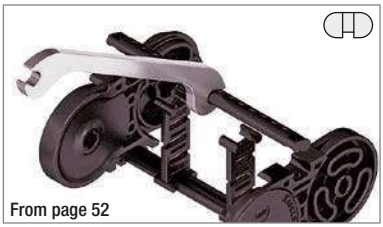
Pitch
65 mm

Height
38 – 42 mm

Width
50 – 500 mm

Bending radius
75 – 350 mm

Plastic stay RE

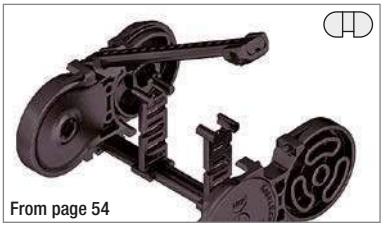


From page 52

Frame screw-in stay
- Plastic profile bars for light and medium loads. Assembly without screws.
- Available customized in **8 mm width sections**.

Opening options
outside/inside: Release by turning by 90°.

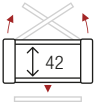
Plastic stay RD



From page 54

Frame stay with hinge
- Plastic profile bars with hinge for light and medium loads. Assembly without screws.
- Available customized in **8 mm width sections**.

Opening options
outside: Swivable to both sides.
inside: Release by turning by 90°.

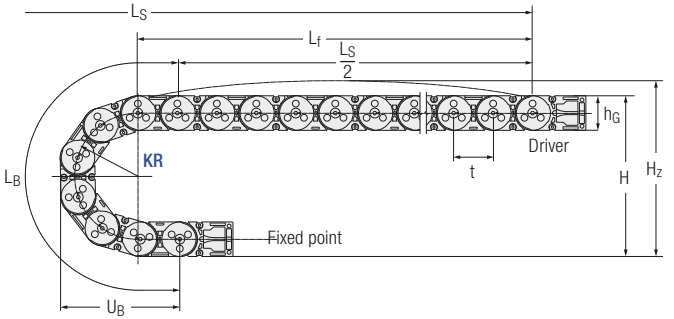


Technical data on page 38

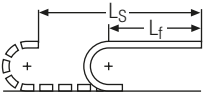
Subject to change.

M0650 | Installation Dimensions | Unsupported

Unsupported arrangement



Unsupported length L_f



A sagging of the cable carrier is technically permitted for extended travel lengths, depending on the specific application.

Dynamics of unsupported arrangement		t
v_{max} [m/s]	a_{max} [m/s²]	[mm]
8	40	65

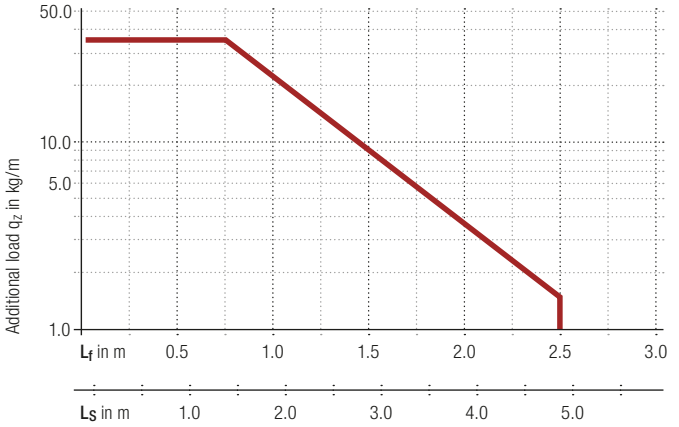
Installation dimensions unsupported

KR [mm]	H [mm]	H_Z [mm]	L_B [mm]	U_B [mm]
75	207	242	366	169
95	247	282	429	189
115	287	322	492	209
145	347	382	586	239
175	407	442	680	269

KR [mm]	H [mm]	H_Z [mm]	L_B [mm]	U_B [mm]
220	497	532	822	314
260	577	612	948	354
275	607	642	994	369
300	657	692	1,073	394
350	757	792	1,230	444

Load diagram

for unsupported length depending on additional load



Intrinsic cable carrier weight q_k = 2.4 kg/m. The maximum additional load decreases if this value is exceeded.

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

Unsupported length L_f

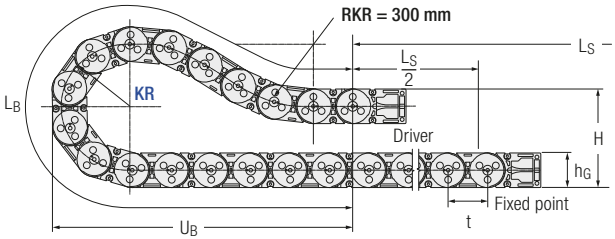
$$L_f = \frac{L_S}{2} + t$$

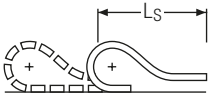
Fixed point offset L_v:
For off-center fixed point connections please contact us.

Subject to change.

kabelschlepp.de/m
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
online-engineer.de Cable Carrier Configurator

Gliding arrangement





For more information on gliding arrangement please contact us.

Glide shoes are required for gliding applications.

The gliding cable carrier has to be routed in a channel.
Our engineers will be happy to help with project planning – please contact us.

Installation dimensions gliding with RKR links

KR [mm]	H [mm]	n_{RKR}	L_B [mm]	U_B [mm]
145	171	5	1,625	691
175	171	5	1,690	718
220	171	5	1,950	810
260	171	5	2,275	926

KR [mm]	H [mm]	n_{RKR}	L_B [mm]	U_B [mm]
275	171	5	2,405	973
300	171	5	2,535	1,014
350	171	5	2,925	1,152

Connection height H is standard. Please contact us if you require other connection heights H. We will be happy to advise you. Optionally, the OnlineEngineer is always available for the calculation.

GO module with chain links optimised for gliding

The GO module mounted on the driver is a defined sequence of 5 different KR/RKR link plates. Faster and more controlled placing of the upper run on the lower run as well as a smaller station in the thrust end position are ensured. A support plate on the driver is not necessary. The GO module is always assembled fully-stayed.

Pull position

Push position

$L_{S\,max}$ [m]	H [mm]	v_{max} [m/s]	a_{max} [m/s]
60	171	2	2 – 3

The GO module can only be used from KR 145.

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

M series
Inner height 38 – 42
Inner width 50 – 500
Key for abbreviations on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 62

Subject to change.

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

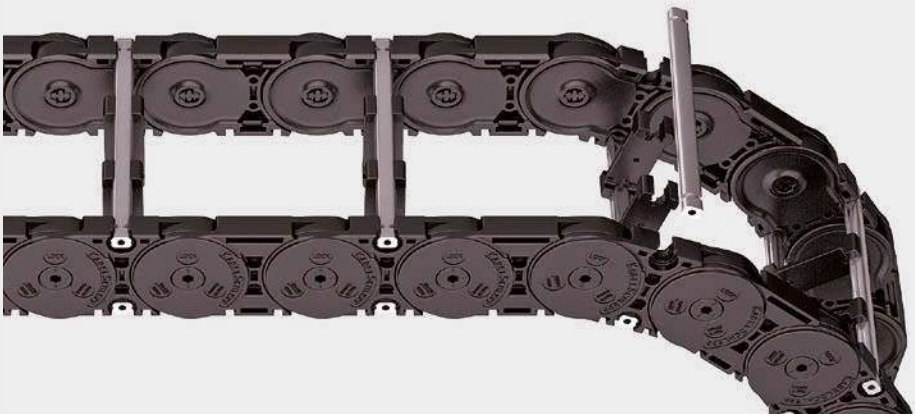
Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

MC0650 RS | Overview

Aluminum stay RS – frame stay standard

- Extremely quick to open and close.
- Aluminum profile bars for light to medium loads. Assembly without screws.
- Available customized in **1 mm width sections**.
- **Opening options outside/inside:** Release by turning by 90°.

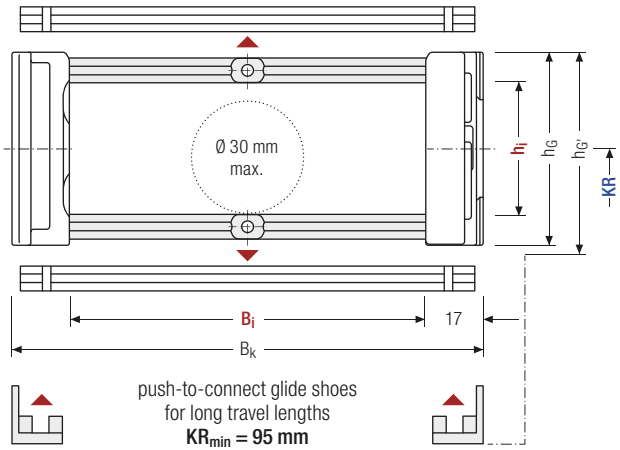


Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

1 mm

B_i from 75 – 400 mm in **1 mm width sections**



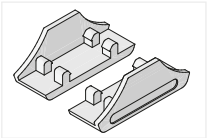
push-to-connect glide shoes
for long travel lengths
KR_{min} = 95 mm

Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 34$ mm

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



Replaceable glide shoes

Subject to change.

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]	$h_{G'}$ [mm]
65	38	57	60.2

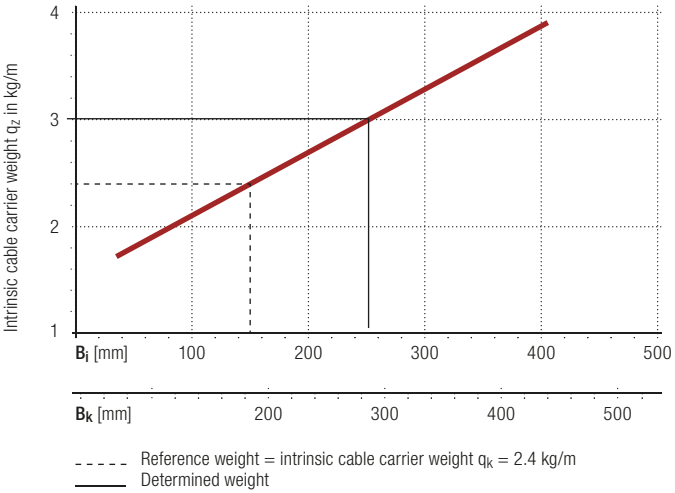
Bend radii

KR [mm]									
75	95	115	145	175	220	260	275	300	350

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
75	109	1.98
100	134	2.12
150	184	2.40
200	234	2.69
250	284	2.98
300	334	3.27
350	384	3.56
400	434	3.85

The stated values for B_i are sample values in 50 mm sections.
Stay variant RS is available in **1 mm width sections**.



Calculation example

B_i	=	250 mm
B_k	=	284 mm
q_k	=	2.98 kg/m

Subject to change.

MC0650 RS | Inner Distribution | TS0

Divider systems

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

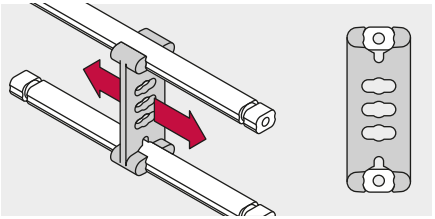
As a standard, dividers and the complete divider system (dividers with height separations) can be moved in the cross section **(version A).**

For applications with lateral acceleration and lying on the side, the dividers must be able to be attached by simple insertion of a bushing, available as an accessory.

The bushing additionally serves as a spacer between the dividers and is available in 1 mm sections between 3 – 50 mm **(version B).**

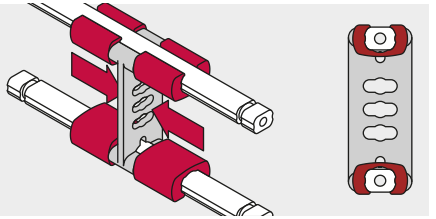
Movable divider

Version A (Standard)



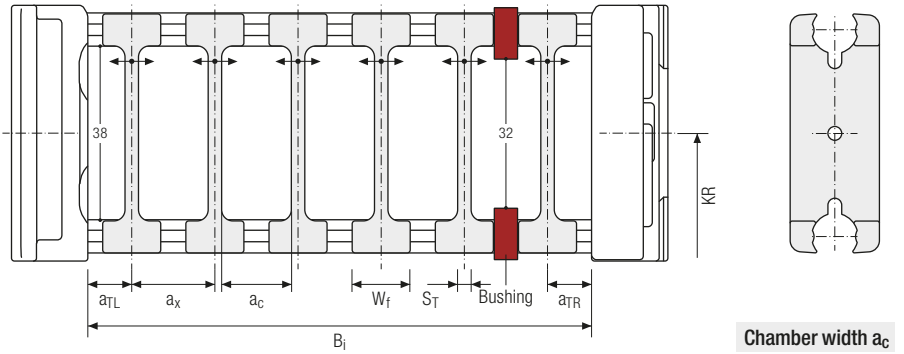
Fixable divider

Version B



Divider system TS0 without height separation

Version A				
S_T [mm]	W_f [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]
3	13	6.5	13	10



Chamber width a_c

$a_c = a_x - S_T$

Order example

TS0	.	A	.	3
Divider system		Version		n_T

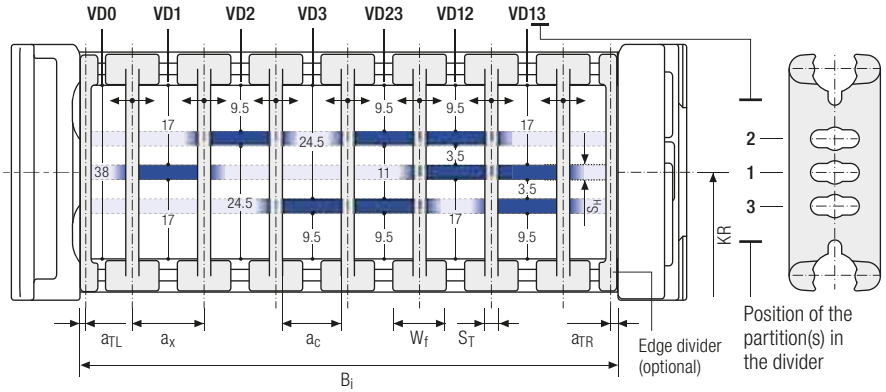
Information on the connection dimensions for the cable carrier can be found on page 60 f.

Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
kabelschlepp.de/m
online-engineer.de Cable Carrier Configurator

Subject to change.

Divider system TS1 with continuous height separation

Version A									
S_T [mm]	$S_{T\ edge\ divider}$ [mm]	W_f [mm]	$W_{f\ edge\ divider}$ [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{TL}/a_{TR\ max}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
3	3	13	5	4	1.5	40	13	10	2

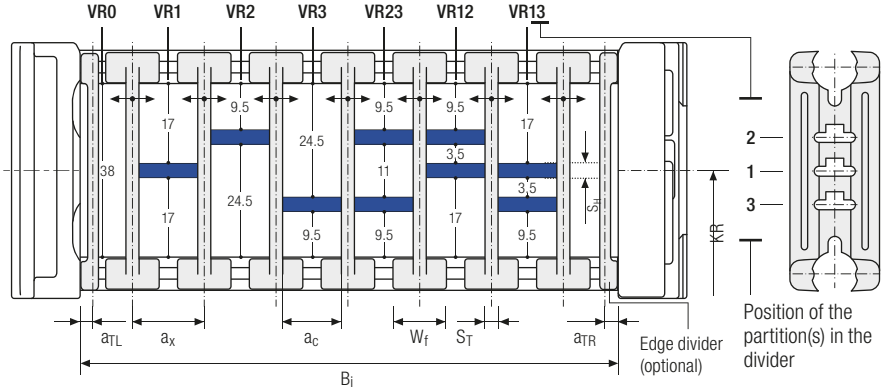


Standard height separation with **aluminum profile 11 × 4 mm**.
The dividers can be moved in the cross section.

Divider system TS2 with partial height separation

1 mm

Version A								
S_T [mm]	$S_{T\ edge\ divider}$ [mm]	W_f [mm]	$W_{f\ edge\ divider}$ [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
6	3	13	5	4	4	21	15	2



With grid distribution **(1 mm grid)**. Standard height separation with **aluminum profile 11 × 4 mm**. The dividers are attached by the height separation, the grid can be moved in the cross section.
Movable TS1 dividers can be used as an option.

Chamber width a_c

$a_c = a_x - S_T$

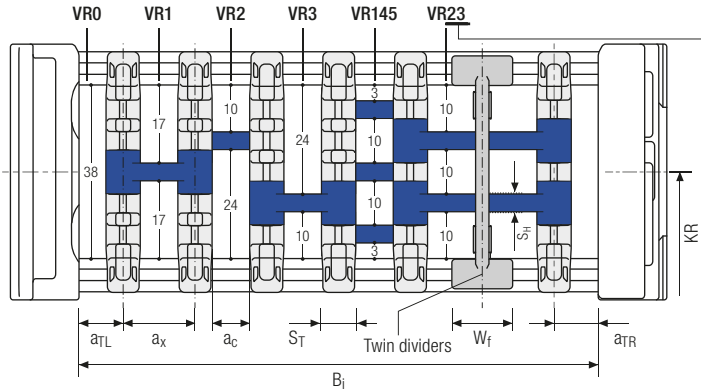
Subject to change.

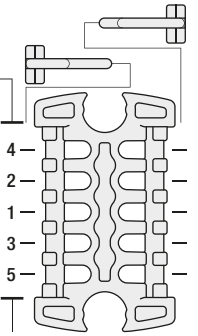
MC0650 RS | Inner Distribution | TS3

Divider system TS3 with height separation made of plastic section subdivisions

Version A								
S_T [mm]	S_T twin divider [mm]	W_f [mm]	W_f twin divider [mm]	S_H [mm]	a_{TL}/a_{TR} min [mm]	a_x min [mm]	a_c min [mm]	n_T min
8	3	8	12.5	4	4	16 / 42*	8	2

* For aluminum section subdivisions





Position of the partition(s) in the divider

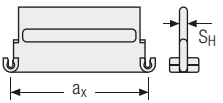
The dividers are fixed by the partitions, the complete divider system is movable in the cross section. Movable twin dividers are optionally available. Twin dividers are also suitable for retrofitting in the section subdivision system.

Chamber width a_c

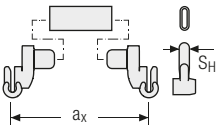
$a_c = a_x - S_T$

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

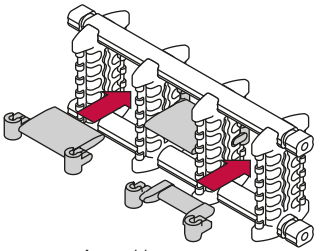
Plastic section subdivisions in a_x increments



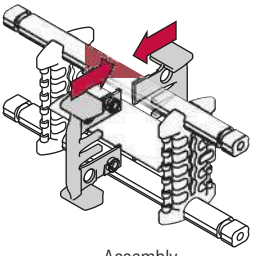
Aluminum section subdivisions with plastic adapters in 1 mm increments



When using **section subdivisions with a_x > 112 mm** we recommend an additional center support with a **twin divider.**
The height separations VR4 and VR5 are not possible when using twin dividers. Aluminum section subdivisions are only available with **a_x > 42 mm**.



Assembly section subdivision



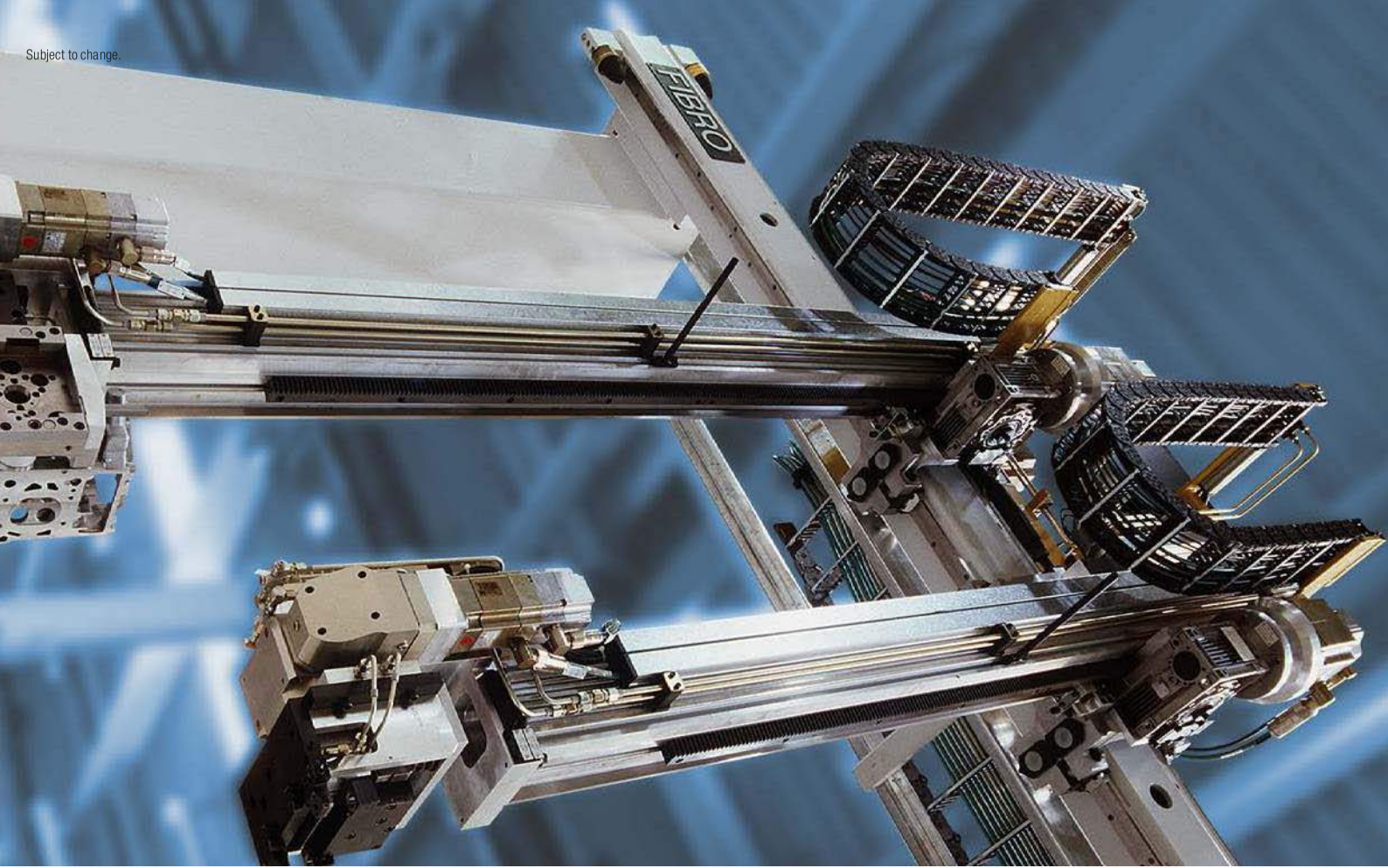
Assembly twin divider

Information on the connection dimensions for the cable carrier can be found on page 60 f.

kabelschlepp.de/m
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
online-engineer.de Cable Carrier Configurator

Subject to change.

Subject to change.



Order key on page 34

Assembly instructions on kabelschlepp.de/assembly

Key for abbreviated symbols on page 178

1 mm Incre-ments

75 400 Inner width

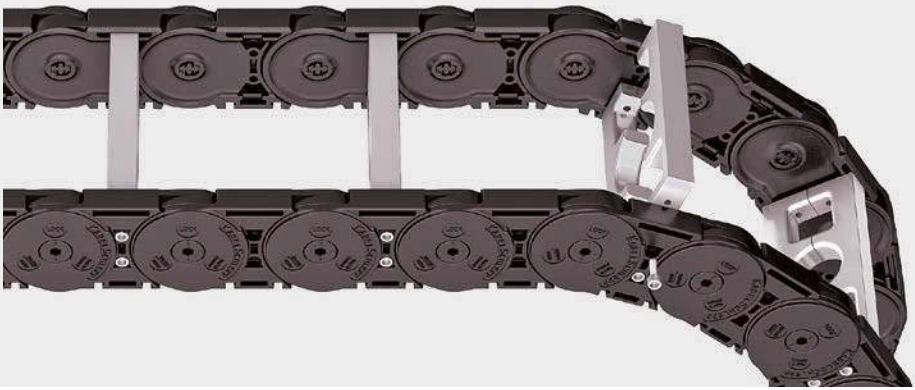
38 Inner height

MC0650 LG | Overview

HEAVY DUTY TSUBAKI KABELSCHLEPP

Aluminum stay LG – hole stay, split version

- Optimum cable routing in the neutral bending line. Split version for easy cable routing. Stays also available unsplit.
- Available customized in **1 mm width sections**.
- Order-specific manufacturing of the hole pattern according to your data.
- **Opening options outside/inside**: Screw-fixing easy to release.

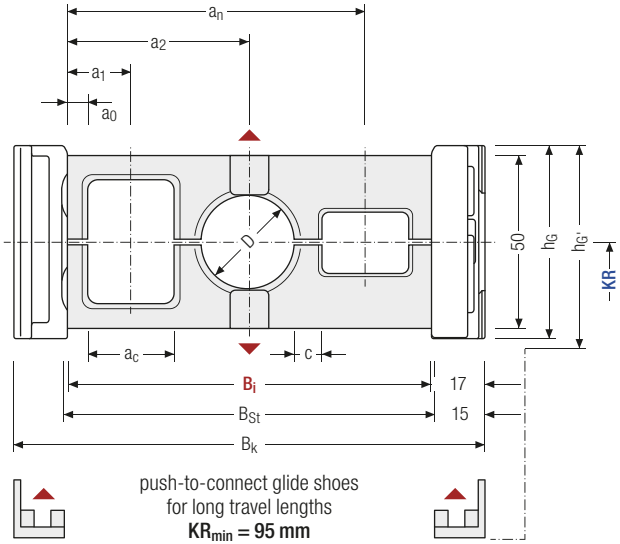


Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

1 mm

B_i from 75 – 500 mm in **1 mm width sections**



push-to-connect glide shoes for long travel lengths
KR_{min} = 95 mm

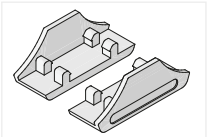
Calculating the cable carrier width

Inner width B_i

$B_i = B_{St} - 4$ mm

Outer width B_k

$B_k = B_{St} + 30$ mm



Replaceable glide shoes

Subject to change.

Pitch, chain link height and hole stay dimensions

t [mm]	h_G [mm]	$h_{G'}$ [mm]	D_{max} [mm]	c_{min} [mm]	$a_{c\ min}$ [mm]	$a_{0\ min}$ [mm]
65	57	60.2	36	4	10	10

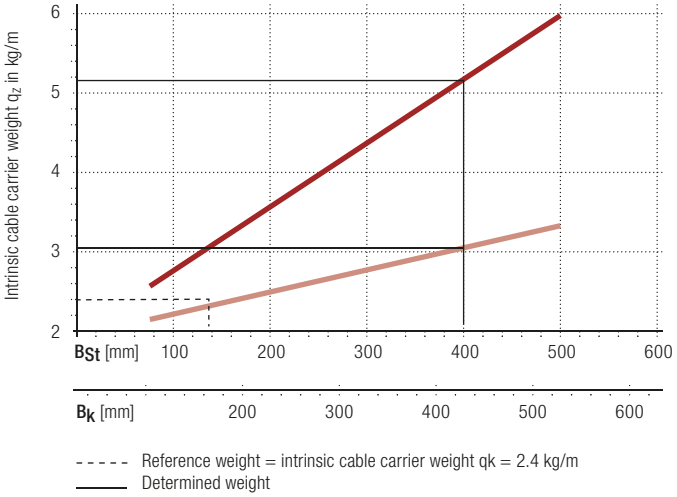
Bend radii

KR [mm]									
75	95	115	145	175	220	260	275	300	350

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_{St} [mm]	B_k [mm]	q_k 40 % [kg/m]	q_k 60 % [kg/m]
75	79	109	2.59	2.18
100	104	134	2.79	2.25
150	154	184	3.19	2.39
200	204	234	3.59	2.53
250	254	284	3.98	2.66
300	304	334	4.38	2.80
350	354	384	4.77	2.94
400	404	434	5.17	3.08
450	454	484	5.56	3.21
500	504	534	5.96	3.35

The stated values for B_i are sample values in 50 mm sections.
Stay variant LG is available in **1 mm width sections**.



Calculation example

B_{St} = 400 mm
B_k = 430 mm
q_k = 5.16 kg/m [40 %]
q_k = 3.07 kg/m [60 %]

Hole stays with 40 % hole ratio
Hole stays with 60 % hole ratio

M series
Inner height 40
Inner width 75 – 500
Increments 1 mm
Key for abbreviated symbols on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 34

Subject to change.

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

MC0650 RMA | Overview

Aluminum stay RMA – mounting frame stay

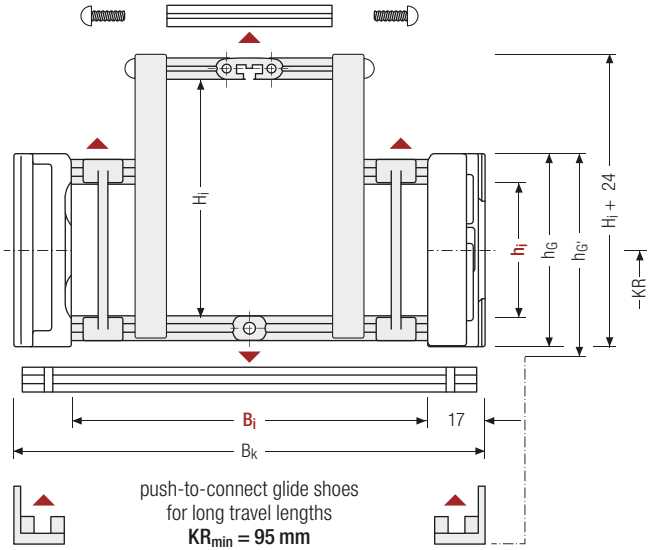
- Aluminum profile bars with plastic mounting frame stays for guiding very large cable diameters.
- The mounting frame stay can be mounted either **inside** or **outside** in the bending radius.
- Available customized in **1 mm width sections**.
- **Opening options outside/inside**: Screw-fixing easy to release.

Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

1 mm

B_i from 200 – 400 mm in **1 mm width sections**

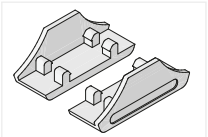


push-to-connect glide shoes
for long travel lengths
KR_{min} = 95 mm

Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 34$ mm



Replaceable glide shoes

All cable carrier cross sections according to section data in the schematic.

Subject to change.

MC0650 RMA | Dimensions · Technical Data

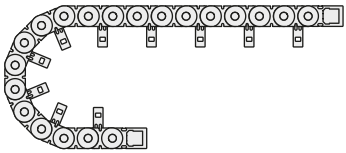
Pitch, inner height and chain link height

t [mm]	h_i [mm]	H_i [mm]	h_G [mm]	$h_{G'}$ [mm]
65	38	130 / 160 / 200	57	60.2

Bend radii

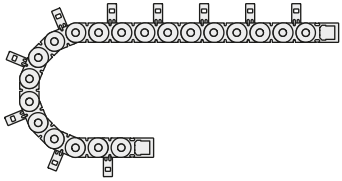
KR [mm]									
75	95	115	145	175	220	260	275	300	350

Assembly variants



RMA 1 – assembly to the inside:
Gliding application is not possible when using assembly version RMA 1.

Observe minimum KR:
H_i = 130 mm: KR_{min} = 220 mm
H_i = 160 mm: KR_{min} = 300 mm
H_i = 200 mm: KR_{min} = 300 mm



RMA 2 – assembly to the outside:
The cable carrier has to rest on the side bands and not on the stays.

Guiding in a **channel is required** for support. Please contact our technical support at technik@kabelschlepp.de to find the corresponding guide channel.

Please note the operating and installation height.

Intrinsic cable carrier weight

Determining the intrinsic cable carrier weight strongly depends on the selected stay arrangement. Please contact us.

TSUBAKI KABELSCHLEPP Technical Support

We would like to support you with complex design parameters. Just make use of our technical consultation service.

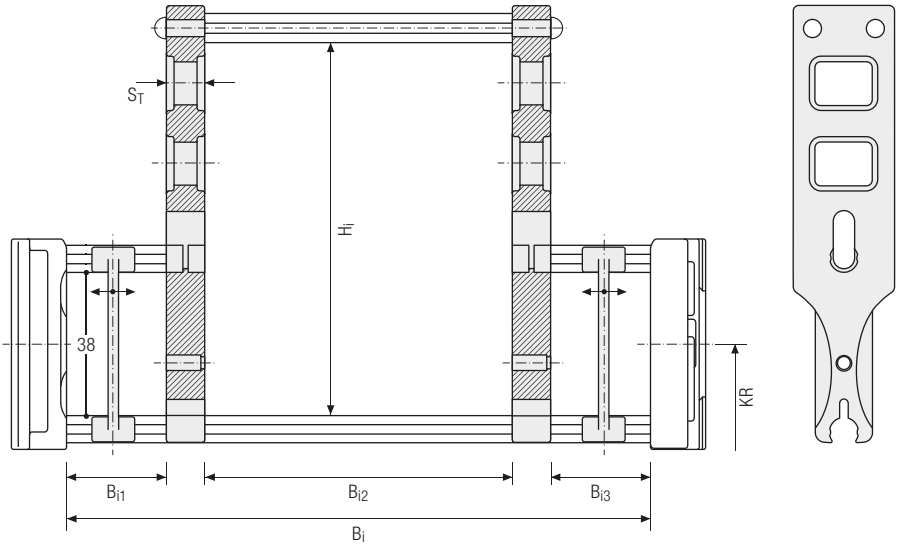
Information on the connection dimensions for the cable carrier can be found on page 60 f.

Subject to change.

MC0650 RMA | Inner Distribution

Inner distribution

S_T [mm]	H_i [mm]	$B_{i1\ min}$ [mm]	$B_{i3\ min}$ [mm]
15	130 / 160 / 200	15	15



TSUBAKI KABELSCHLEPP Technical Support

We would like to support you with complex design parameters.
Just make use of our technical consultation service.

TRAXLINE® cables in motion

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

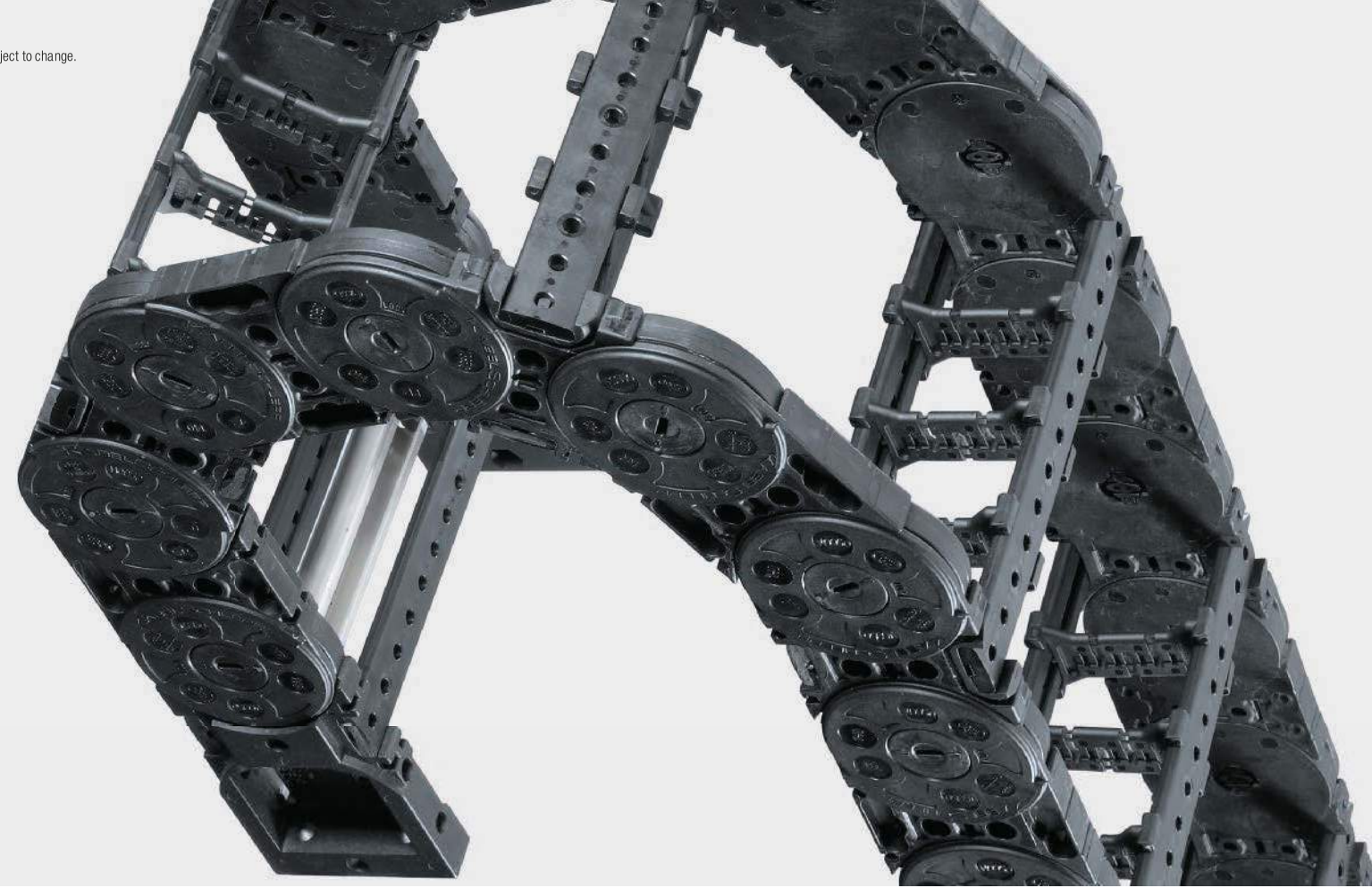
More product information online

Assembly instructions etc.:
Receive additional info via your smartphone or check online at
kabelschlepp.de/support

Configure your custom cable carrier:
onlineengineer.de

Subject to change.

Subject to change.



kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

ME0650 RE | Overview

Plastic stay RE – frame screw-in stay

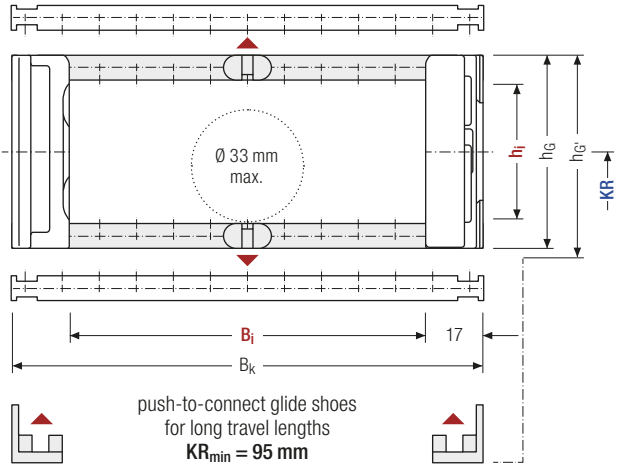
- Plastic profile bars for light and medium loads. Assembly without screws.
- Available customized in **8 mm width sections**.
- **Opening options outside/inside:** Release by turning by 90°.

Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

8 mm

B_i from 50 – 266 mm in **8 mm width sections**



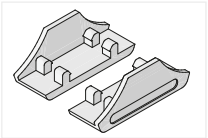
push-to-connect glide shoes
for long travel lengths
KR_{min} = 95 mm

Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 34$ mm

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



Replaceable glide shoes

Subject to change.

ME0650 RE | Dimensions · Technical Data

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]	$h_{G'}$ [mm]
65	42	57	60.2

Bend radii

KR [mm]									
75	95	115	145	175	220	260	275	300	350

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
50	84	2.00
58	92	2.03
66	100	2.06
74	108	2.09
82	116	2.12
90	124	2.15
98	132	2.18
106	140	2.21
114	148	2.24
122	156	2.27
130	164	2.30
138	172	2.33
146	180	2.36
154	188	2.39
162	196	2.42
170	204	2.45
178	212	2.48
186	220	2.51
194	228	2.54
202	236	2.57
210	244	2.60
218	252	2.64
226	260	2.68
234	268	2.72
242	276	2.75
250	284	2.78
258	292	2.81
266	300	2.84

Subject to change.

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

MK0650 RD | Overview

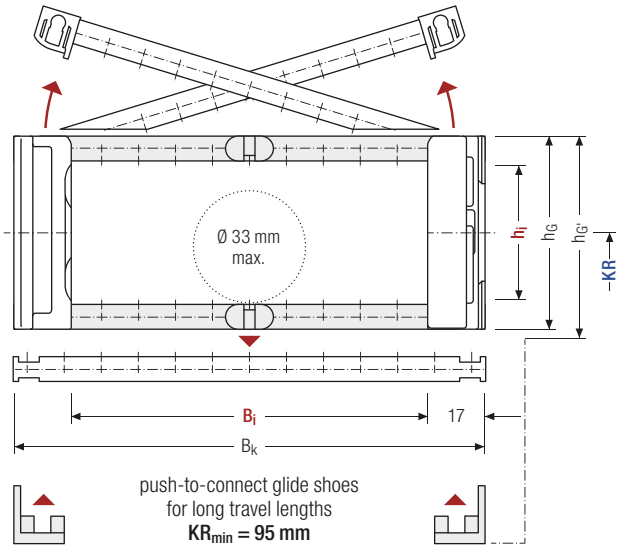
Plastic stay RD – frame stay with hinge

- Plastic profile bars with hinge for light and medium loads. Assembly without screws.
- Available customized in **8 mm width sections**.
- **Opening options**
  outside: Swivable to both sides.
  inside: Release by turning by 90°.

Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

16 mm
B_i from 50 – 266 mm in **8 mm width sections**



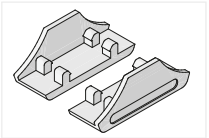
push-to-connect glide shoes
for long travel lengths
KR_{min} = 95 mm

Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 34$ mm

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



Replaceable glide shoes

Subject to change.

MK0650 RD | Dimensions · Technical Data

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]	$h_{G'}$ [mm]
65	42	57	60.2

Bend radii

KR [mm]									
75	95	115	145	175	220	260	275	300	350

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
50	84	2.00
58	92	2.03
66	100	2.06
74	108	2.09
82	116	2.12
90	124	2.15
98	132	2.18
106	140	2.21
114	148	2.24
122	156	2.27
130	164	2.30
138	172	2.33
146	180	2.36
154	188	2.39
162	196	2.42
170	204	2.45
178	212	2.48
186	220	2.51
194	228	2.54
202	236	2.57
210	244	2.60
218	252	2.64
226	260	2.68
234	268	2.72
242	276	2.75
250	284	2.78
258	292	2.81
266	300	2.84

Subject to change.

ME0650 RE/MK0650 RD | Inner Distribution | TS0

Divider systems

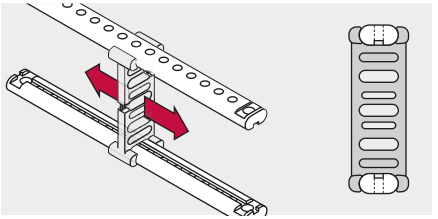
As a standard, the divider system is mounted on each crossbar – for stay mounting on every 2nd chain link (HS).

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

The dividers are easily attached to the stay for applications with lateral acceleration and for applications laying on their side by simply turning the frame stay by 180°. The locking cams click into place in the locking grids in the crossbars **(version B)**. The groove in the frame stay faces outwards.

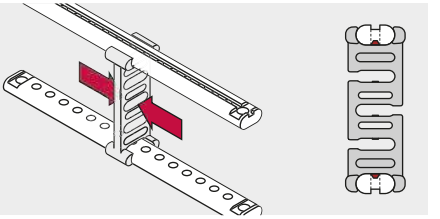
Movable divider

Version A (Standard)



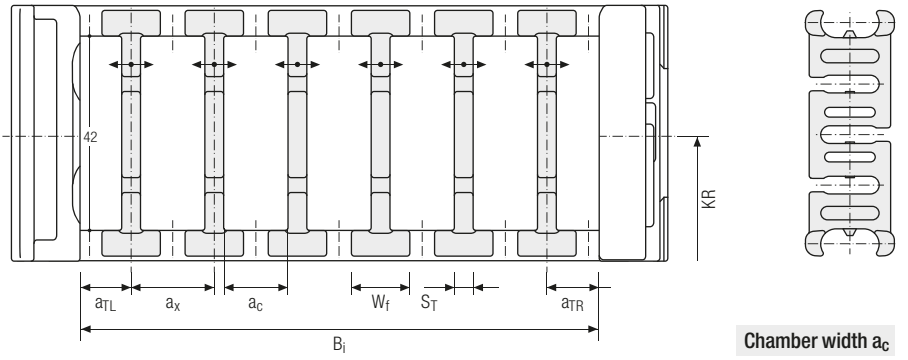
Fixable divider (8 mm grid)

Version B



Divider system TS0 without height separation

S_T [mm]	W_f [mm]	Version A a_{TL}/a_{TR} min [mm]	Version A a_x min [mm]	Version A a_c min [mm]	Version B a_{TL}/a_{TR} min [mm]	Version B a_x min [mm]	Version B a_c min [mm]	Version B a_x grid [mm]
4.2	13	6.5	13	8.8	13	16	11.8	8



Chamber width a_c

$a_c = a_x - S_T$

Order example

TS0	.	A	.	3
Divider system		Version		n_T

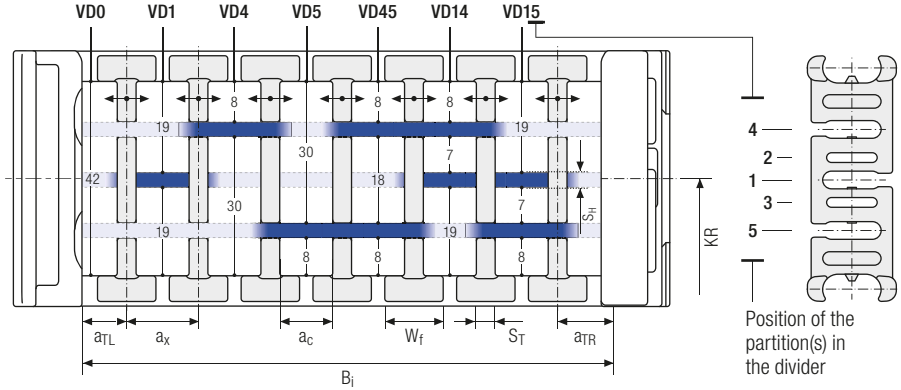
Information on the connection dimensions for the cable carrier can be found on page 60 f.

Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
kabelschlepp.de/m
online-engineer.de Cable Carrier Configurator

Subject to change.

Divider system TS1 with continuous height separation

S_T [mm]	W_f [mm]	S_H [mm]	$n_{T\ min}$	Version A: $a_{T\ min}$ [mm]	Version A: $a_{T\ max}$ [mm]	Version A: $a_{x\ min}$ [mm]	Version A: $a_{c\ min}$ [mm]	Version B: $a_{T\ min}$ [mm]	Version B: $a_{T\ max}$ [mm]	Version B: $a_{x\ min}$ [mm]	Version B: $a_{c\ min}$ [mm]	Version B: $a_{x\ grid}$ [mm]
4.2	13	4	2	6.5	25	13	8.8	13	29	16	11.8	8

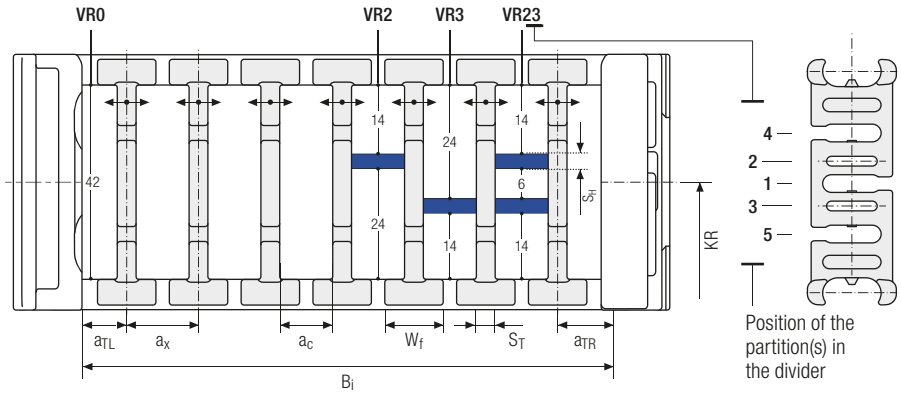


Standard height separation with **aluminum profile 11 × 4 mm**.
The dividers can be moved within the cross section (version A) or fixed (version B).

Divider system TS2 with partial height separation

8 mm

S_T [mm]	W_f [mm]	S_H [mm]	$n_{T\ min}$	Version A: $a_{TL}/a_{TR\ min}$ [mm]	Version A: $a_{x\ min}$ [mm]	Version A: $a_{c\ min}$ [mm]	Version B: $a_{TL}/a_{TR\ min}$ [mm]	Version B: $a_{x\ min}$ [mm]	Version B: $a_{c\ min}$ [mm]	Version B: $a_{x\ grid}$ [mm]
4.2	13	4	2	6.5	13	8.8	13	16	11.8	8



With grid distribution **(8 mm grid)**. Standard height separation with **plastic profile 11 × 4 mm**. The dividers are attached by the height separation, the grid can be moved in the cross section (version A) or fixed (version B).

Chamber width a_c

$a_c = a_x - S_T$

Information on the connection dimensions for the cable carrier can be found on page 60 f.

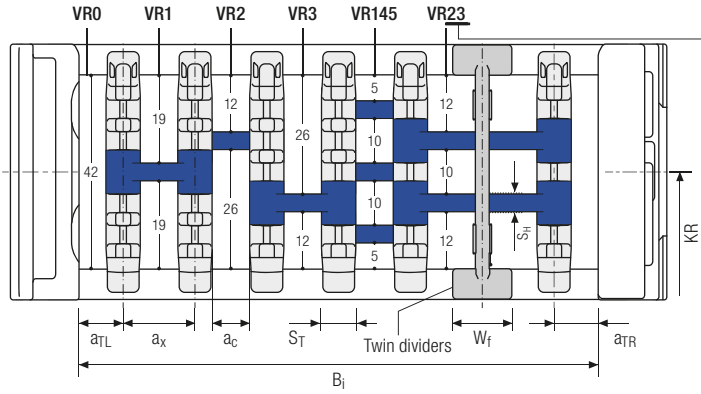
Subject to change.

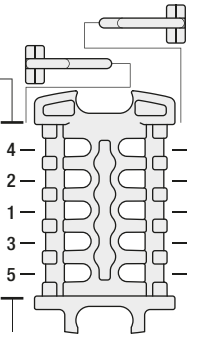
ME0650 RE/MK0650 RD | Inner Distribution | TS3

Divider system TS3 with height separation made of plastic section subdivisions

Version A								
S_T [mm]	S_T twin divider [mm]	W_f [mm]	W_f twin divider [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
8	3	8	12.5	4	4	16 / 42*	8	2

* For aluminum section subdivisions





Position of the partition(s) in the divider

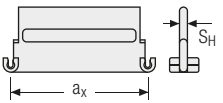
The dividers are fixed by the partitions, the complete divider system is movable in the cross section. Movable twin dividers are optionally available. Twin dividers are also suitable for retrofitting in the section subdivision system.

Chamber width a_c

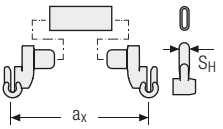
$a_c = a_x - S_T$

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**	**78**	**80**	**88**
8	10	15	20	24	25	30	35	40	50	56	60	70	72	80
96	**112**	**128**	**144**	**160**	**176**	**192**	**208**							
88	104	120	136	152	168	184	200							

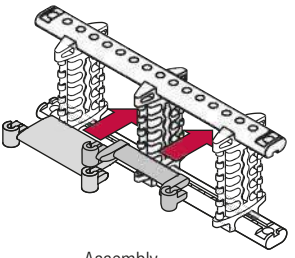
Plastic section subdivisions in a_x increments



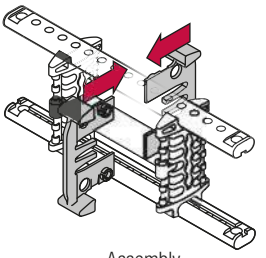
Aluminum section subdivisions with plastic adapters in 1 mm increments



When using **section subdivisions with a_x > 112 mm** we recommend an additional center support with a **twin divider.**
The height separations VR4 and VR5 are not possible when using twin dividers. Aluminum section subdivisions are only available with **a_x > 42 mm**.



Assembly section subdivision



Assembly twin divider

Information on the connection dimensions for the cable carrier can be found on page 60 f.

kabelschlepp.de/m
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
online-engineer.de Cable Carrier Configurator
Subject to change.

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

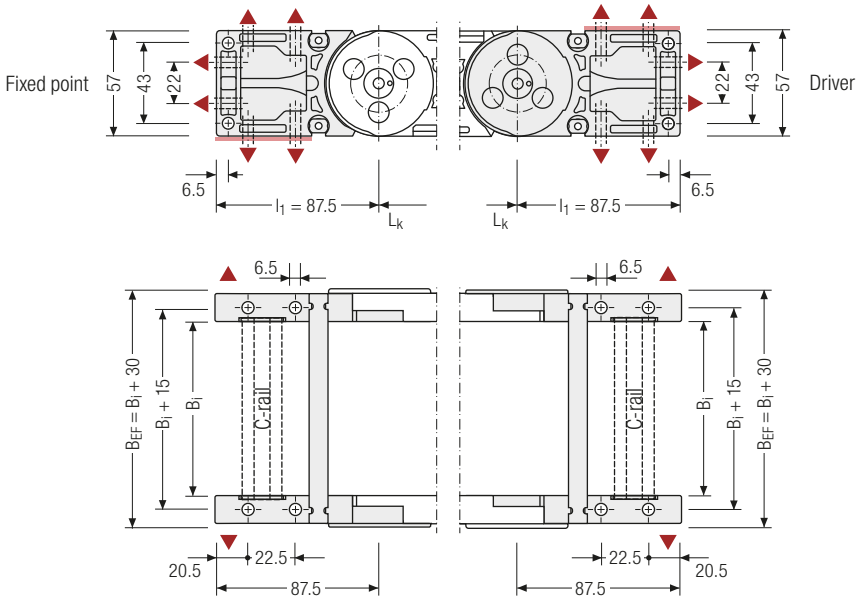
Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

M0650 | End Connectors | UMB

Universal end connectors UMB – plastic (standard)

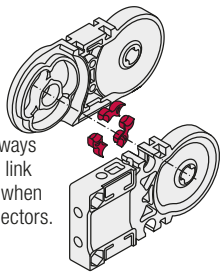
The universal mounting brackets (UMB) are made from plastic and can **be mounted from the top, from the bottom, face on or from the side**.



▲ Assembly options

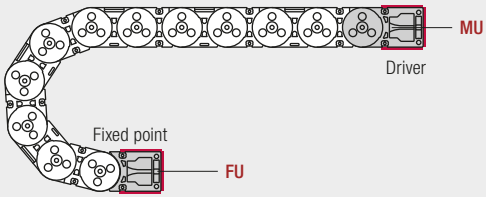
Optional with C-rail for holding strain relief elements.

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



As a standard, we always supply the first chain link with KR determining when using UMB end connectors.

Connection variants



Connection point
F – fixed point
M – driver

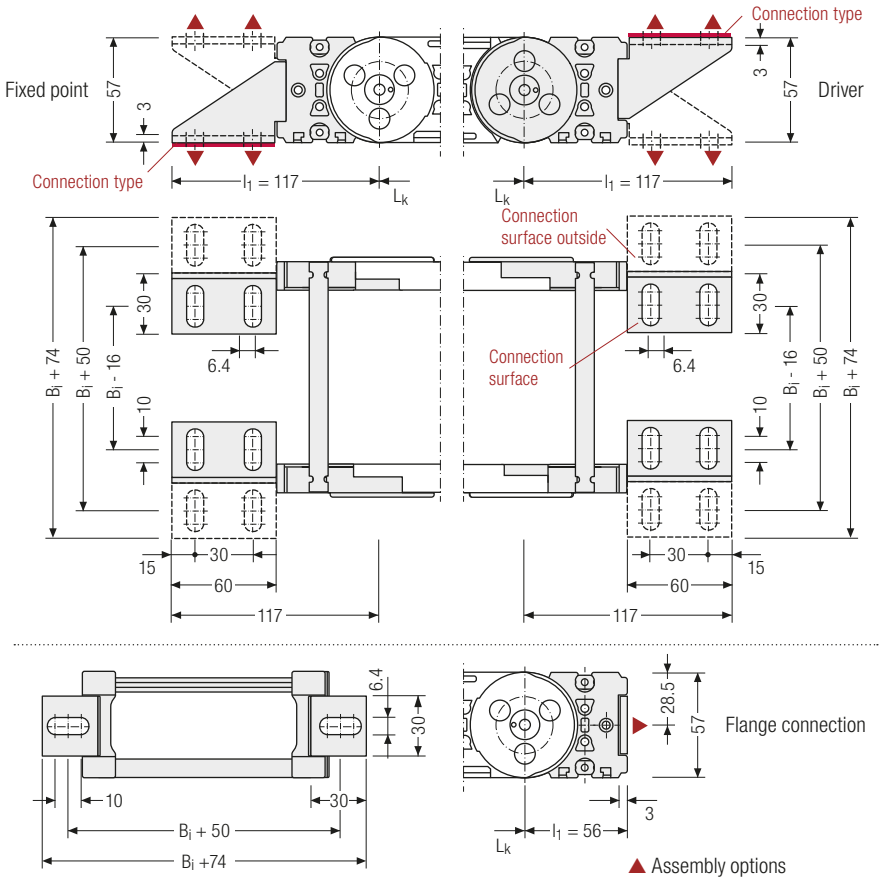
Connection type
U – universal mounting bracket

Subject to change.

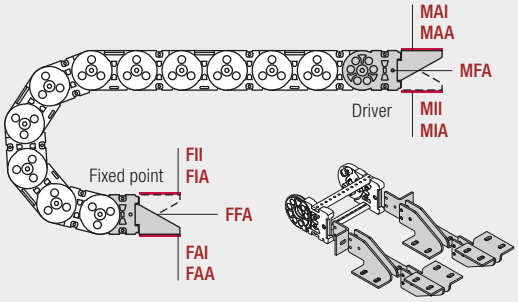
M0650 | End Connectors | Steel Connector

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 subsequently.



Connection variants



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

Subject to change.

M0650 | Order Key

Order

Cable carrier

Type	B_i [mm]	Stay variant	KR [mm]	L_k [mm]	Stay arrangement
			75		
			95		
			115		
			145		
		RS	175		
		LG	220		
MC0650	50	RMA	275		
ME0650	...	RD	300		HS
MK0650	500	RE	350		VS

MC0650	.	300	.	RS	.	175	-	1430		HS
Type		B_i [mm]		Stay variant		KR [mm]		L_k [mm]		Stay arrangement

Caution: Not all combinations are possible. Please note the information on the individual stay variants. When using stay variant LG, please provide dimension B_{St} instead of B_i.

International order specification INTOK: Information can be found in the chapter "International Order Key" from p. 1.

Divider system

Divider system	Version	n_T	Chamber	a_x [mm]	Height separation (not for TS0)
TS0					
TS1			K1		VD0
TS2	A	min. 2	K2	min. 13	VD1
TS3	B	...	...	...	...

TS3	.	A	.	4	.	K1	.	20	-	VD1
					.	K3	.	26	-	VD3
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].

If using divider systems with height separation **(TS1 – TS3)** please also state the positions [e.g. VD23] viewed from the left carrier belt. If using the divider system **TS3**, please also state the required twin dividers. You are welcome to add a sketch to your order.

Connection

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

Plastic/steel	.	F	A	A
Plastic/steel	.	M	U	

Please state the desired connection variant as well as the desired strain relief type for the fixed point and for the driver.

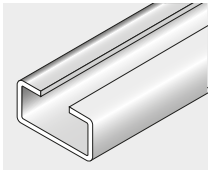
Subject to change.

kabelschlepp.de/m
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
online-engineer.de Cable Carrier Configurator

Accessories

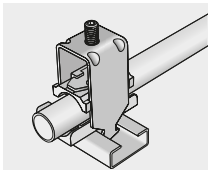
C-rails for strain relief elements

The optional C-rails are secured by the UMB end connectors and do not require separate screw connections.



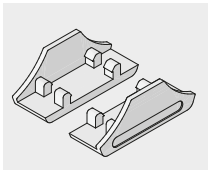
LineFix® clamps

LineFix® clamps are fixed to the C-rail. The serve as a separate strain relief or separate attachment of the cables outside the cable carrier.



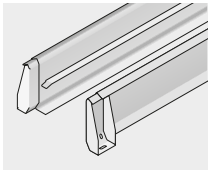
Gliding elements

The optional glide shoes ensure a substantially longer service life of the cable carrier in gliding operation.



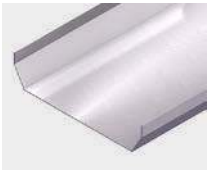
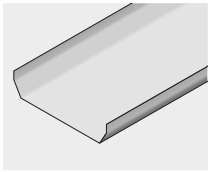
Guide channels

The cable carrier always has to be guided in a channel for gliding applications. This prevents the upper and lower run from slipping.



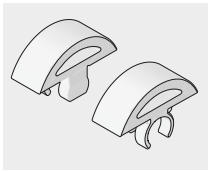
Support trays

An even surface is required for safe unrolling of the cable carrier. This is ensured by a support tray.

Outer dampers

The use of outer dampers effectively reduces uncoiling noise. Particularly recommended for support trays and guide channels.

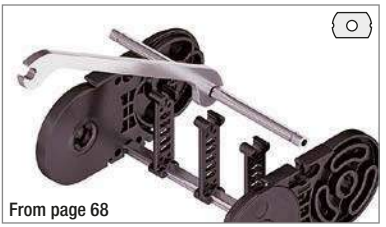


Subject to change.

M0950

Stay variants

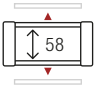
Aluminum stay RS



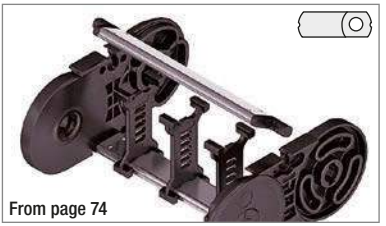
From page 68

Frame stay standard “the standard”
- Extremely quick to open and close.
- Aluminum profile bars for light to medium loads. Assembly without screws.
- Available customized in **1 mm width sections**.

Opening options
outside/inside: Release by turning by 90°.



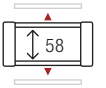
Aluminum stay RV



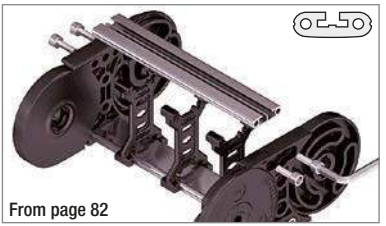
From page 74

Frame stay, reinforced
- Aluminum profile bars with plastic adapter for medium to heavy loads and large cable carrier widths. Assembly without screws.
- Available customized in **1 mm width sections**.

Opening options
outside/inside: Release by turning by 90°.



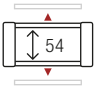
Aluminum stay RM



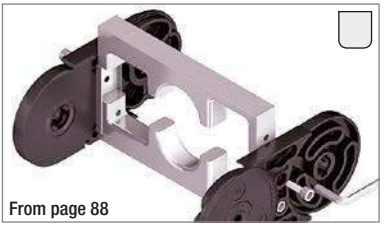
From page 82

Frame stay solid
- Aluminum profile bars for heavy loads and maximum cable carrier widths. Double screw connections on both sides **“Heavy Duty”**.
- Available customized in **1 mm width sections**.

Opening options
inside/outside: Screw connection is easy to release.



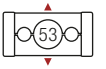
Aluminum stay LG



From page 88

Hole stay, split version
- Optimum cable routing in the neutral bending line. Split version for easy cable routing. Stays also available unsplit.
- Available customized in **1 mm width sections**.

Opening options
inside/outside: Screw connection is easy to release.



Technical data on page 66

Subject to change.

M0950 | Stay Variants | Overview

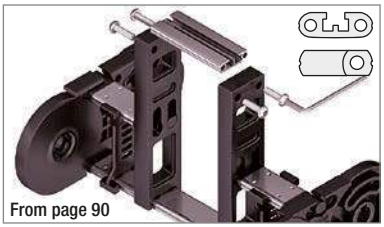
Pitch
95 mm

Height
51 – 58 mm

Width
45 – 600 mm

Bending radius
140 – 380 mm

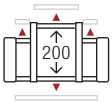
Aluminum stay RMA



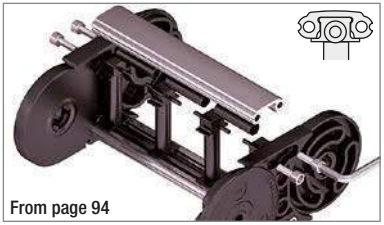
From page 90

Mounting frame stay
- Aluminum profile bars with plastic mounting frame stays for guiding very large cable diameters.
- Available customized in **1 mm width sections**.

Opening options
inside/outside: Screw connection is easy to release.



Aluminum stay RMR

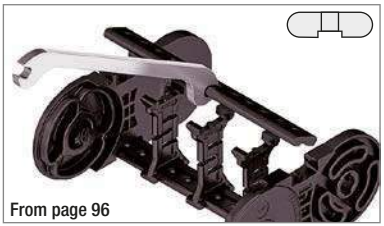


From page 94

Frame rolling stay
- Aluminum profile bars with rotating plastic rolling stay for highest requirements with gentle cable guiding. Double screw connection on both sides.
- Available customized in **1 mm width sections**.

Opening options
inside/outside: Screw connection is easy to release.

Plastic stay RE

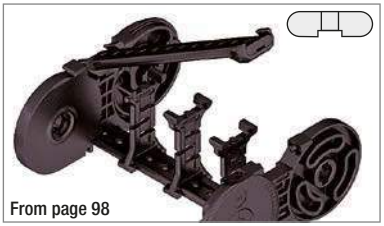


From page 96

Frame screw-in stay
- Plastic profile bars for light to medium loads. Assembly without screws.
- Available customized in **16 mm width sections**.

Opening options
outside/inside: Release by turning by 90°.

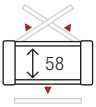
Plastic stay RD



From page 98

Frame stay with hinge
- Plastic profile rods with hinge for light and medium loads. Assembly without screws.
- Available customized in **16 mm width sections**.

Opening options
outside: Swivable to both sides.
inside: Release by turning by 90°.

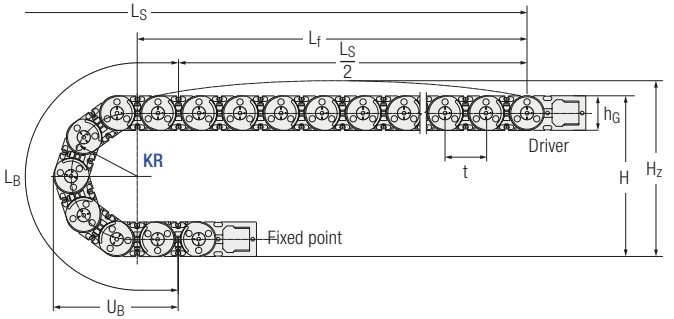


Technical data on page 66

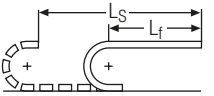
Subject to change.

M0950 | Installation Dimensions | Unsupported

Unsupported arrangement



Unsupported length L_f



A sagging of the cable carrier is technically permitted for extended travel lengths, depending on the specific application.

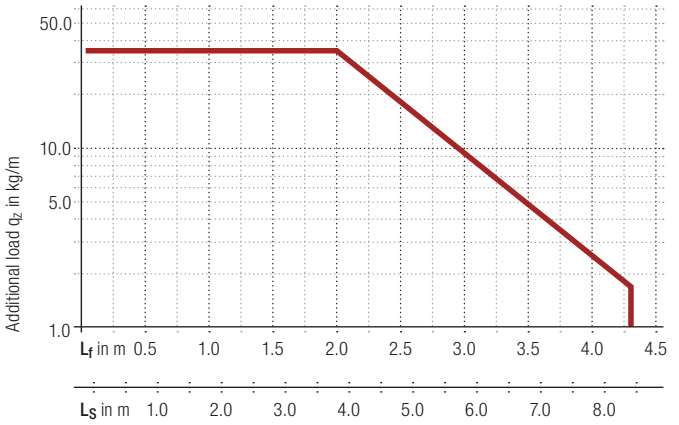
Dynamics of unsupported arrangement		t
v_{max} [m/s]	a_{max} [m/s²]	[mm]
6	30	95

Installation dimensions unsupported

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	1,007	395
290	660	705	1,102	425
320	720	765	1,196	445
380	840	885	1,384	515

Load diagram

for unsupported length depending on additional load



Intrinsic cable carrier weight q_k = 4.5 kg/m. The maximum additional load decreases if this value is exceeded.

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

Unsupported length L_f

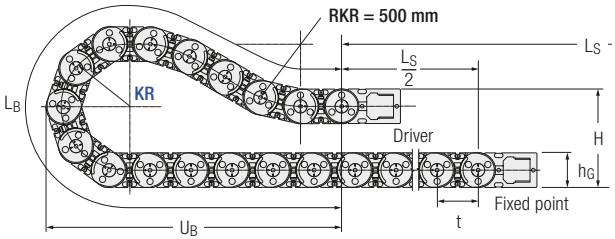
$$L_f = \frac{L_S}{2} + t$$

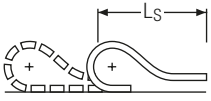
Fixed point offset L_v:
For off-center fixed point connections please contact us.

Subject to change.

kabelschlepp.de/m
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
online-engineer.de Cable Carrier Configurator

Gliding arrangement





For more information on gliding arrangement please contact us.

Glide shoes have to be used for gliding applications.

The gliding cable carrier has to be routed in a channel.
Our engineers will be happy to help with project planning – please contact us.

Installation dimensions gliding with RKR links

KR [mm]	H [mm]	n_{RKR}	L_B [mm]	U_B [mm]
170	240	4	1,710	773
200	240	4	1,995	888
260	240	4	2,565	1,114
290	240	4	2,755	1,183
320	240	4	3,040	1,296
380	240	4	3,610	1,523

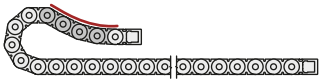
Connection height H is standard. Please contact us if you require other connection heights H. We will be happy to advise you. Optionally, the OnlineEngineer is always available for the calculation.

GO module with chain links optimised for gliding

The GO module mounted on the driver is a defined sequence of 4 different KR/RKR link plates. Faster and more controlled placing of the upper run on the lower run as well as a smaller station in the thrust end position are ensured. A support plate on the driver is not necessary. The GO module is always assembled fully-stayed.

Pull position

Push position



$L_{S\,max}$ [m]	H [mm]	v_{max} [m/s]	a_{max} [m/s]
80	240	2	2 – 3

The GO module can only be used from KR 170.

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

M series
inner height 51 – 58
inner width 45 – 600
Key for abbreviations on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 106

Subject to change.

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

MC0950 RS | Overview

Aluminum stay RS – frame stay standard

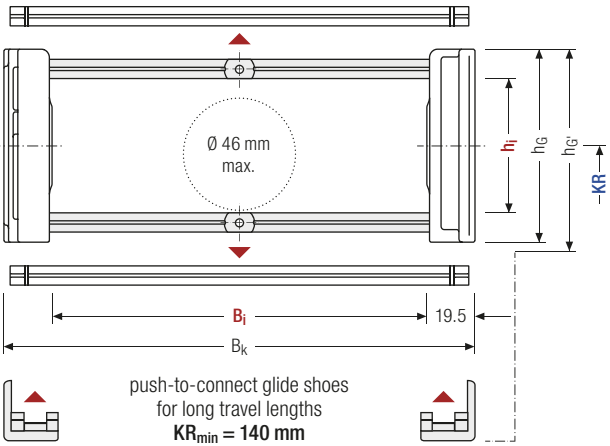
- Extremely quick to open and close.
- Aluminum profile bars for light to medium loads. Assembly without screws.
- Available customized in **1 mm width sections**.
- **Opening options**
  outside/inside: Release by turning by 90°.

Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

1 mm

B_i from 75 – 400 mm in **1 mm width sections**



push-to-connect glide shoes
for long travel lengths
KR_{min} = 140 mm

Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 39$ mm

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.

Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

Subject to change.

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	$h_{G'}$ Offroad [mm]
95	58	80	83,5	86

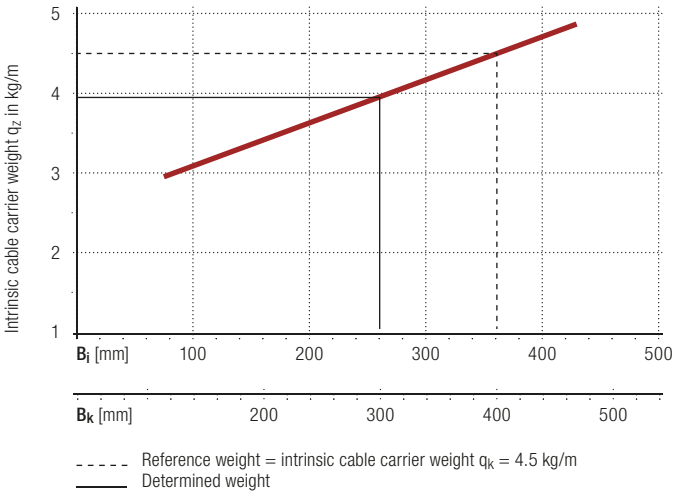
Bend radii

KR [mm]						
140	170	200	260	290	320	380

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
75	114	2.93
100	139	3.06
150	189	3.34
200	239	3.61
250	289	3.89
300	339	4.16
350	389	4.44
400	439	4.71

The stated values for B_i are sample values in 50 mm sections.
Stay variant RS is available in **1 mm width sections**.



Calculation example

B_i	=	261 mm
B_k	=	300 mm
q_k	=	3.95 kg/m

M series
Inner height 58
Inner width 75 – 400
Incre-ments 1 mm
Key for abbreviated symbols on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 106

Subject to change.

MC0950 RS | Inner Distribution | TS0

Divider systems

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

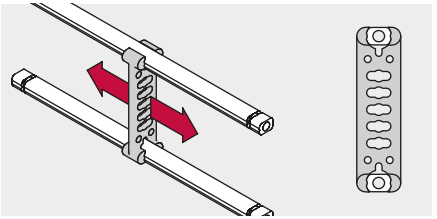
As standard, dividers and the complete divider system (dividers with height separations) can be moved in the cross section **(version A).**

For applications with lateral acceleration and lying on the side, the dividers must be able to be attached by simple insertion of a bushing, available as an accessory.

The bushing additionally serves as a spacer between the dividers and is available in 1 mm sections between 3 – 50 mm as well as 16.5 and 21.5 mm **(version B).**

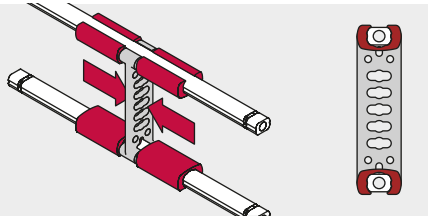
Movable divider

Version A (Standard)



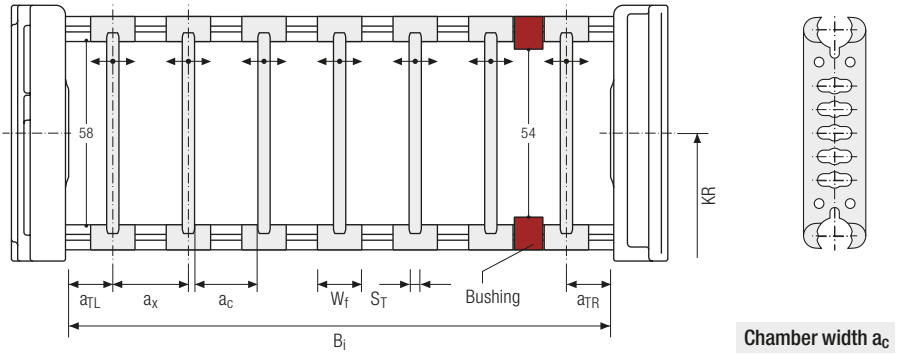
Fixable divider

Version B



Divider system TS0 without height separation

Version A				
S_T [mm]	W_f [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]
4	14	4.5	14	10



Chamber width a_c

$a_c = a_x - S_T$

Order example

TS0	.	A	.	3
Divider system		Version		n_T

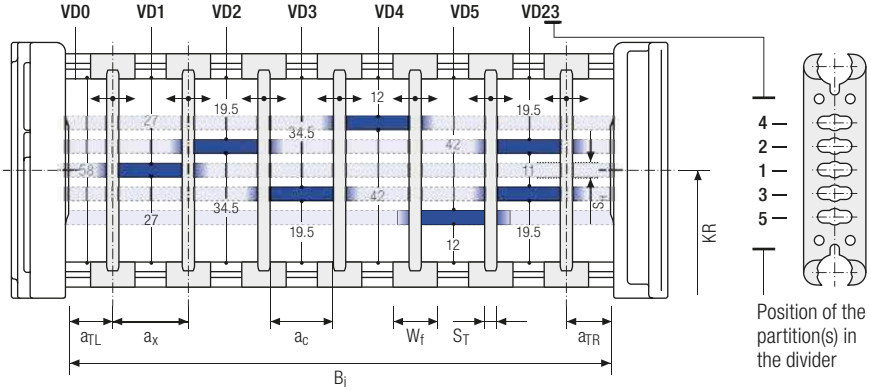
Information on the connection dimensions for the cable carrier can be found on page 104 f.

Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
kabelschlepp.de/m
online-engineer.de Cable Carrier Configurator

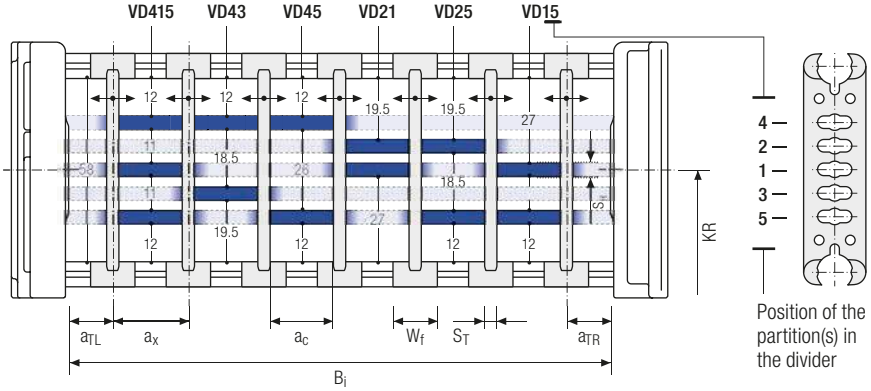
Subject to change.

Divider system TS1 with continuous height separation

Version A							
S_T [mm]	W_f [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{TL}/a_{TR\ max}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
4	14	4	4.5	25	14	14	2



Position of the partition(s) in the divider



Position of the partition(s) in the divider

Standard height separation with **aluminum profile 11 × 4 mm**.
The dividers can be moved in the cross section.

Chamber width a_c

$a_c = a_x - S_T$

Information on the connection dimensions for the cable carrier can be found on page 104 f.

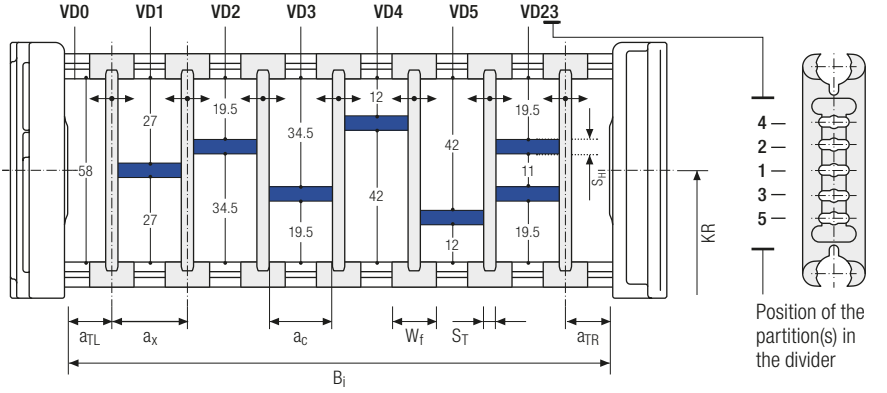
Subject to change.

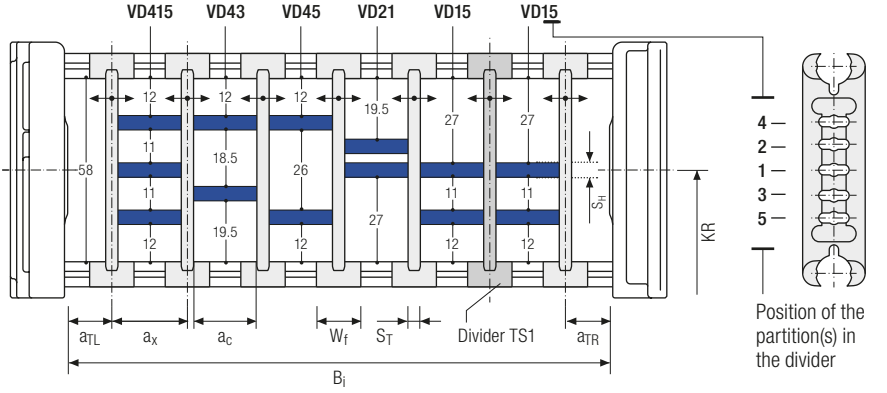
MC0950 RS | Inner Distribution | TS2

Divider system TS2 with partial height separation

1 mm

Version A						
S_T [mm]	W_f [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
4	14	4	4.5	14	10	2





With grid distribution **(1 mm grid)**. Standard height separation with **aluminum profile 11 × 4 mm**. The dividers are attached by the height separation, the grid can be moved in the cross section.
Movable TS1 dividers can be used as an option.

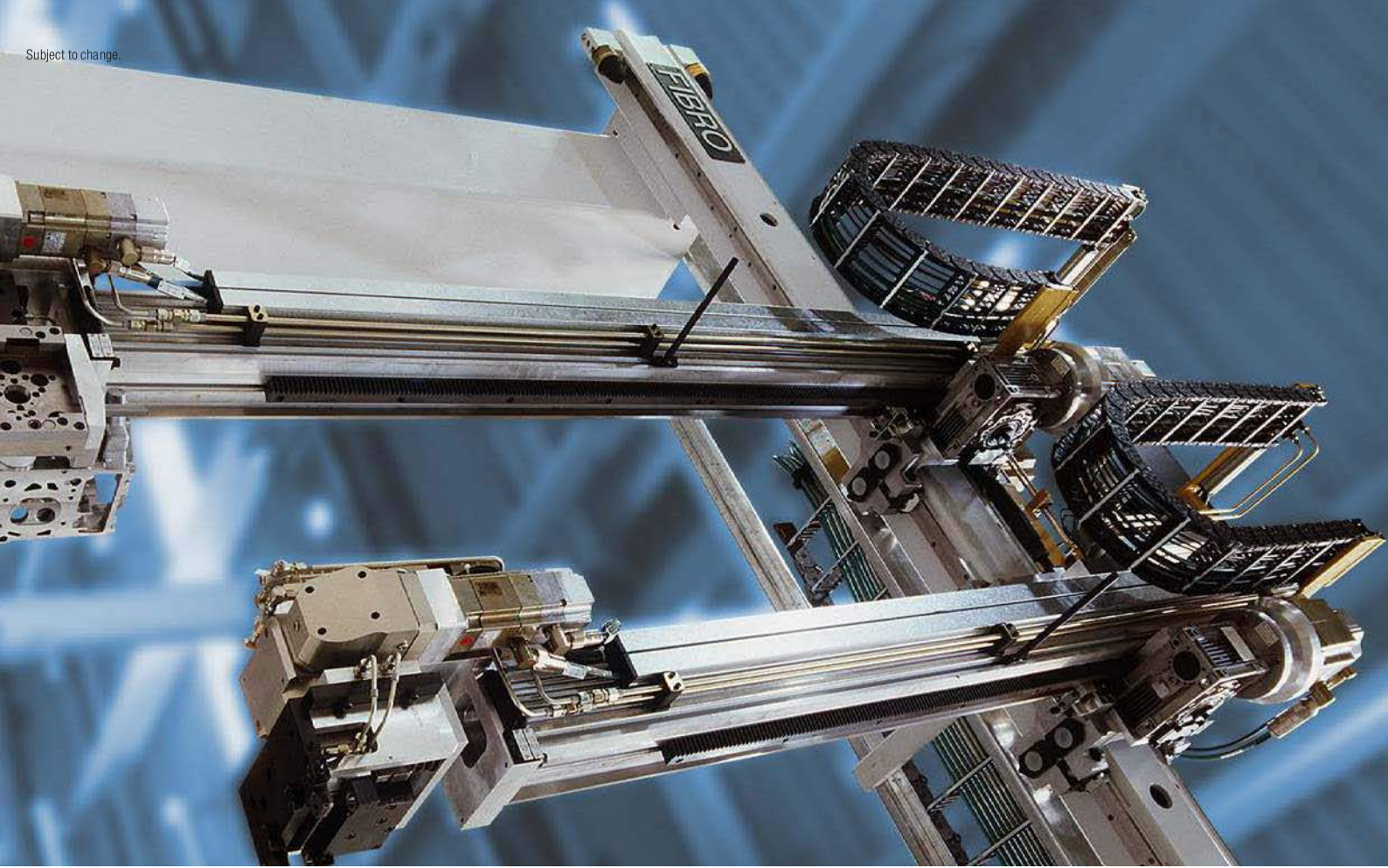
Chamber width a_c

$a_c = a_x - S_T$

Information on the connection dimensions for the cable carrier can be found on page 104 f.

kabelschlepp.de/m
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
online-engineer.de Cable Carrier Configurator
Subject to change.

Subject to change.



Order key on page 106

Assembly instructions on kabelschlepp.de/assembly

Key for abbreviated symbols on page 178

1 mm Incre-ments

75 400 Inner width

58 Inner height

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

MC0950 RV | Overview

Aluminum stay RV – frame stay reinforced

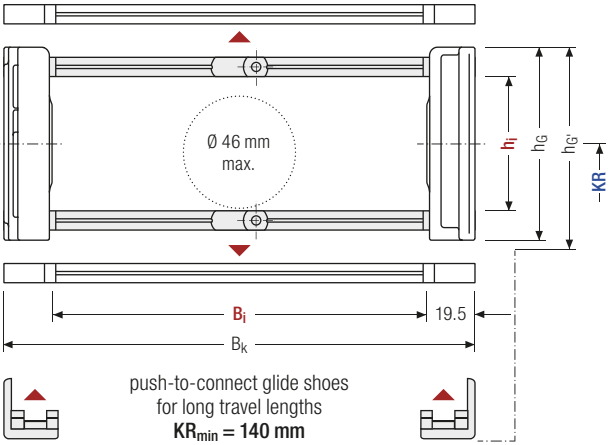
- Aluminum profile bars with plastic adapter for medium to heavy loads and large cable carrier widths. Assembly without screws.
- Available customized in **1 mm width sections**.
- **Opening options**
  outside/inside: Release by turning by 90°.

Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

1 mm

B_i from 75 – 500 mm in **1 mm width sections**



push-to-connect glide shoes
for long travel lengths
KR_{min} = 140 mm

Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 39$ mm

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.

Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

Subject to change.

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	$h_{G'}$ Offroad [mm]
95	58	80	83,5	86

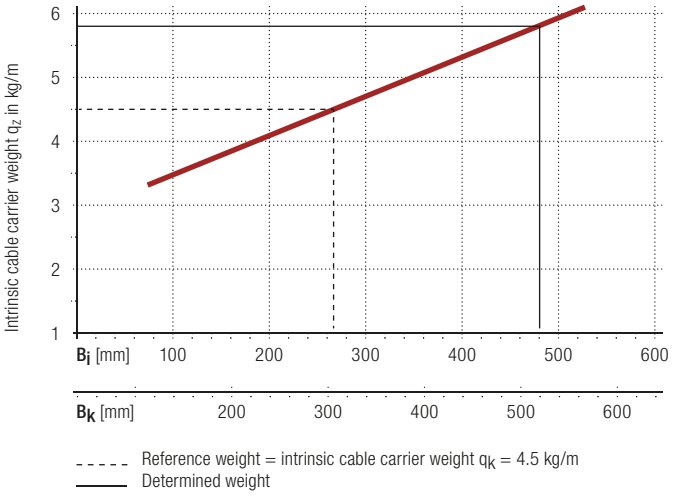
Bend radii

KR [mm]						
140	170	200	260	290	320	380

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
75	114	3.32
100	139	3.47
150	189	3.79
200	239	4.11
250	289	4.43
300	339	4.75
350	389	5.07
400	439	5.38
450	489	5.70
500	539	6.02

The stated values for B_i are sample values in 50 mm sections.
Stay variant RV is available in **1 mm width sections**.



Reference weight = intrinsic cable carrier weight q_K = 4.5 kg/m
Determined weight

Calculation example

B_i	=	**481 mm**
B_k	=	520 mm
q_k	=	5.90 kg/m

Subject to change.

MC0950 RV | Inner Distribution | TS0

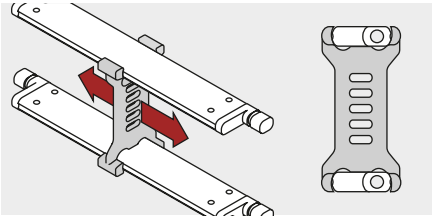
Divider systems

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

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

Movable divider

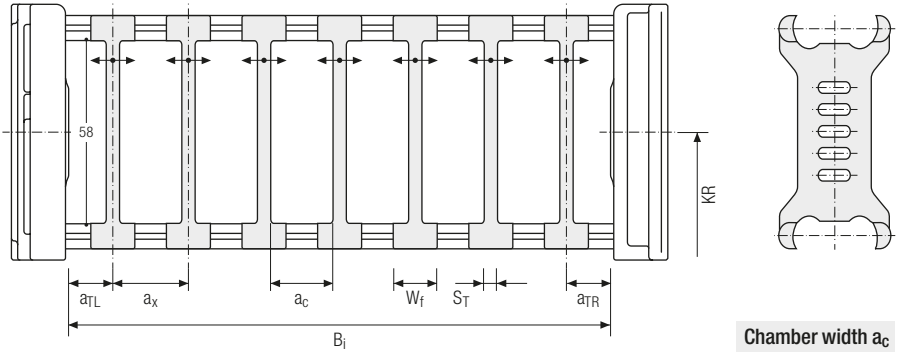
Version A



At least **2 dividers** always **have to** be used.

Divider system TS0 without height separation

Version A					
S_T [mm]	W_f [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
4	14	4.5	14	10	2



Chamber width a_c

$a_c = a_x - S_T$

Order example

TS0	.	A	.	3
Divider system		Version		n_T

Information on the connection dimensions for the cable carrier can be found on page 104 f.

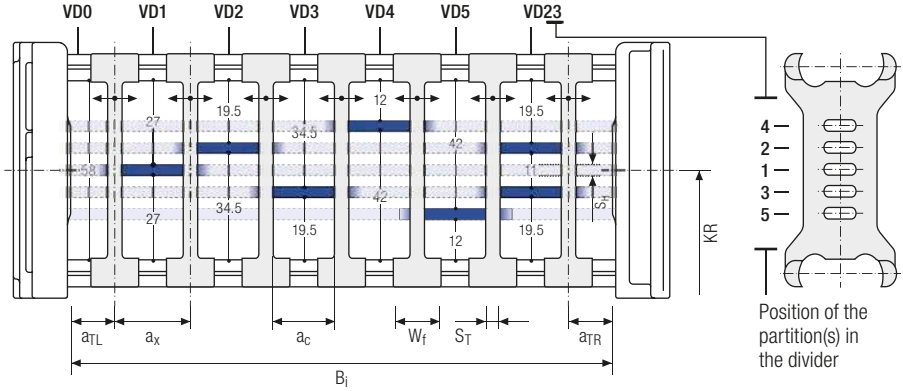
Subject to change.

kabelschlepp.de/m
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
online-engineer.de Cable Carrier Configurator

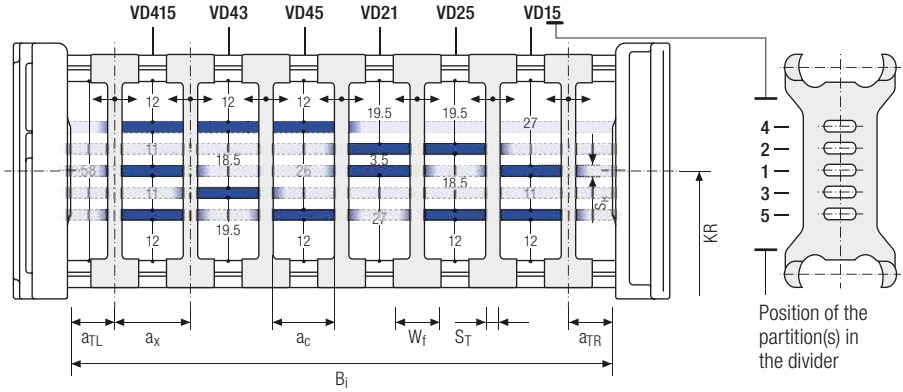
MC0950 RV | Inner Distribution | TS1

Divider system TS1 with continuous height separation

Version A							
S_T [mm]	W_f [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{TL}/a_{TR\ max}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
4	14	4	4.5	25	14	10	2



Position of the partition(s) in the divider



Position of the partition(s) in the divider

Standard height separation with **aluminum profile 11 × 4 mm**.
The dividers can be moved in the cross section.

Chamber width a_c

$a_c = a_x - S_T$

Information on the connection dimensions for the cable carrier can be found on page 104 f.

Inner height 58
Inner width 75 – 500
Increments 1 mm
Key for abbreviated symbols on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 106

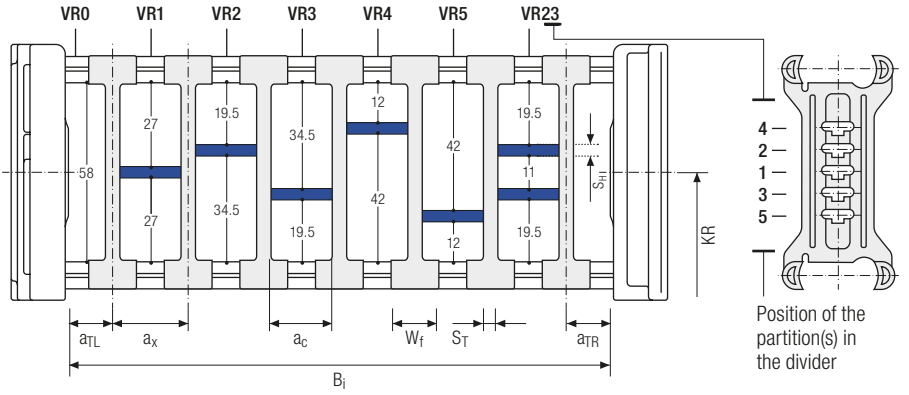
Subject to change.

MC0950 RV | Inner Distribution | TS2

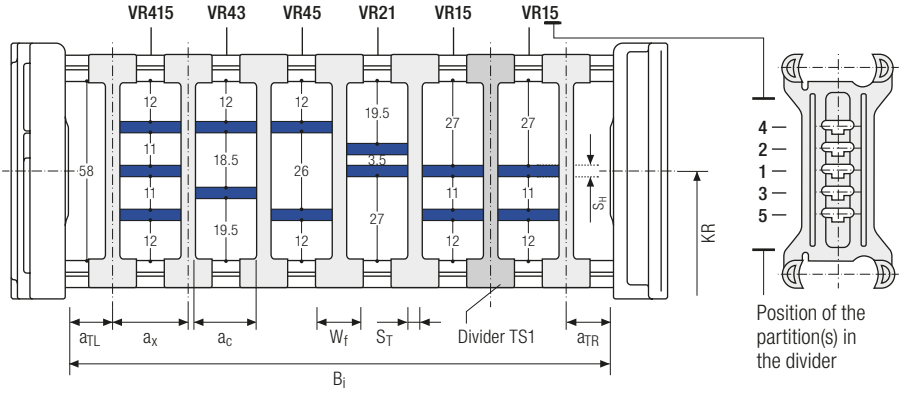
Divider system TS2 with partial height separation

1 mm

Version A						
S_T [mm]	W_f [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
4	16	4	4.5	14	10	2



Position of the partition(s) in the divider



Position of the partition(s) in the divider

With grid distribution **(1 mm grid)**. Standard height separation with **aluminum profile 11 × 4 mm**. The dividers are attached by the height separation, the grid can be moved in the cross section.
Movable TS1 dividers can be used as an option.

Chamber width a_c

$a_c = a_x - S_T$

Information on the connection dimensions for the cable carrier can be found on page 104 f.

kabelschlepp.de/m
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
online-engineer.de Cable Carrier Configurator

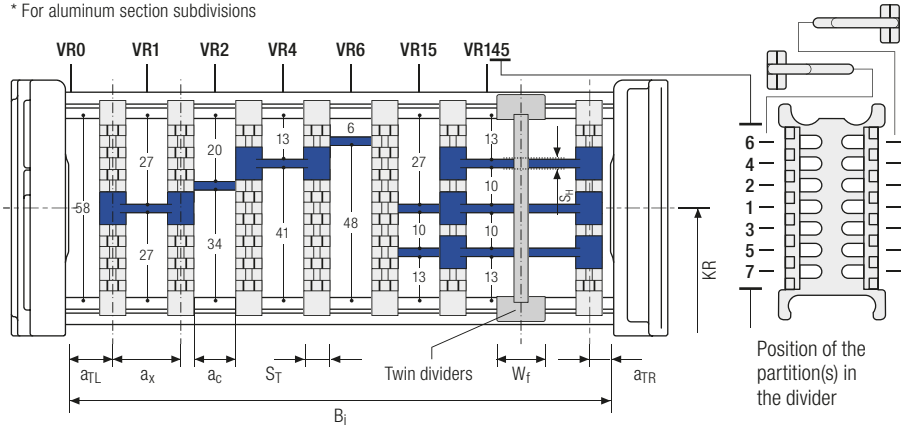
Subject to change.

MC0950 RV | Inner Distribution | TS3

Divider system TS3 with height separation made of plastic section subdivisions

Version A								
S_T [mm]	S_T twin divider [mm]	W_f [mm]	W_f twin divider [mm]	S_H [mm]	a_{TL}/a_{TR} min [mm]	a_x min [mm]	a_C min [mm]	n_T min
8	4	4	13	4	4	16 / 42*	8	2

* For aluminum section subdivisions



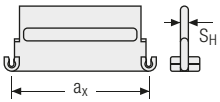
The dividers are fixed by the partitions, the complete divider system is movable in the cross section. Movable twin dividers are optionally available. Twin dividers are also suitable for retrofitting in the section subdivision system.

Chamber width a_C

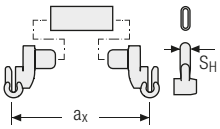
$a_C = a_x - S_T$

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**	**78**	**80**	**88**
8	10	15	20	24	25	30	35	40	50	56	60	70	72	80
96	**112**	**128**	**144**	**160**	**176**	**192**	**208**							
88	104	120	136	152	168	184	200							

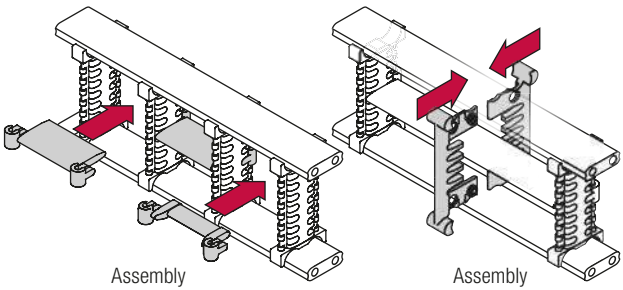
Plastic section subdivisions in a_x increments



Aluminum section subdivisions with plastic adapters in 1 mm increments



When using **section subdivisions with a_x > 112 mm** we recommend an additional center support with a **twin divider.**
The height separations VR6 and VR7 are not possible when using twin dividers. Aluminum section subdivisions are only available with **a_x > 42 mm**.



Assembly section subdivision

Assembly twin divider

Information on the connection dimensions for the cable carrier can be found on page 104 f.

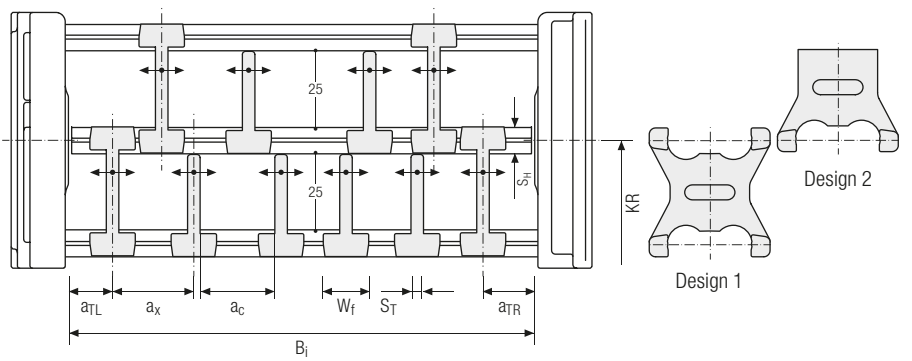
Inner height 58
Inner width 75 – 500
Increments 1 mm
Key for abbreviated symbols on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 106

Subject to change.

MC0950 RV | Inner Distribution | TS4

Divider system TS4 with continuous height separation

Version A						
S_T [mm]	W_f [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
4	14.5	8	7.5	15	11	4



Height separation with **aluminum profile 27 × 8 mm**.
At least 2 half dividers with wrap-around design on both sides (design 1) have to be mounted in the upper and lower chamber near the side band.

Chamber width a_c

$a_c = a_x - S_T$

Information on the connection dimensions for the cable carrier can be found on page 104 f.

TOTALTRAX® complete systems

Benefit from the advantages of a TOTALTRAX® complete system. Complete delivery from a single source – with a guarantee certificate on request! Learn more at **kabelschlepp.de/totaltrax**

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More product information online

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Receive additional info via your smartphone or check online at
kabelschlepp.de/support

Configure your custom cable carrier:
onlineengineer.de

Subject to change.

Subject to c

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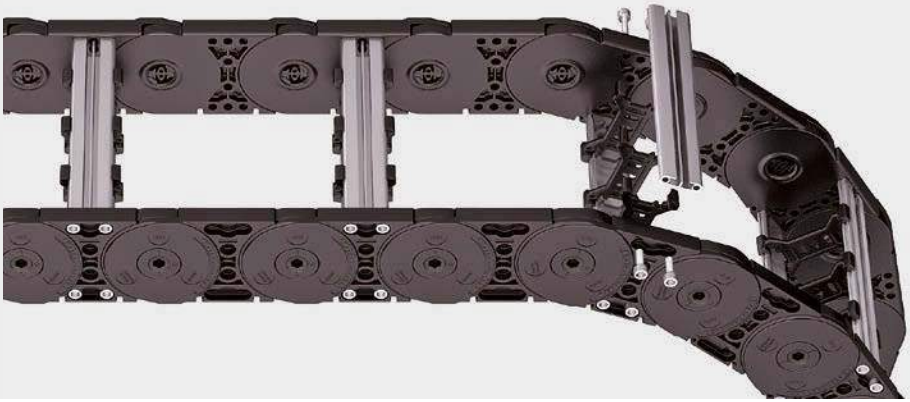
Configure your cable carrier:
onlineengineer.de

MC0950 RM | Overview

HEAVY DUTY
TSUBAKI KABELSCHLEPP

Aluminum stay RM – frame stay solid

- Aluminum profile bars for heavy loads and maximum cable carrier widths. Double screw connections on both sides **"Heavy Duty"**.
- Available customized in **1 mm width sections**.
- **Opening options outside/inside**: Screw connection is easy to release.

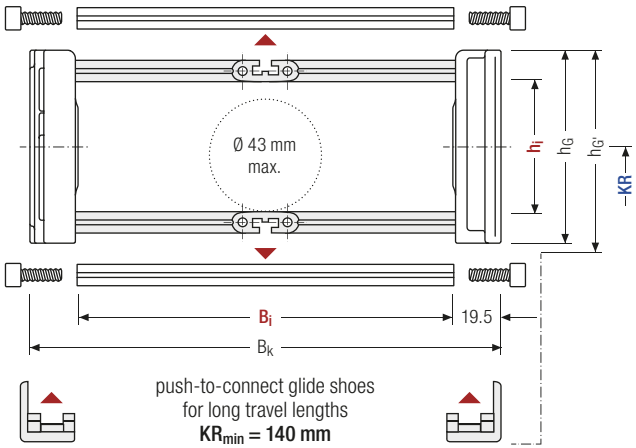


Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

1 mm

B_i from 75 – 600 mm in **1 mm width sections**



push-to-connect glide shoes
for long travel lengths
KR_{min} = 140 mm

Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 39$ mm

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.

Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

Subject to change.

MC0950 RM | Dimensions · Technical Data

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	$h_{G'}$ Offroad [mm]
95	54	80	83,5	86

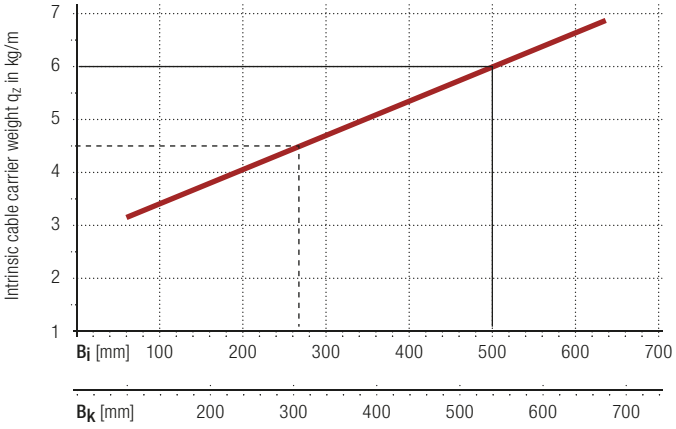
Bend radii

KR [mm]						
140	170	200	260	290	320	380

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
75	114	3.63
100	139	3.77
150	189	4.04
200	239	4.32
250	289	4.60
300	339	4.88
350	389	5.16
400	439	5.44
450	489	5.72
500	539	6.00
550	589	6.27
600	639	6.55

The stated values for B_i are sample values in 50 mm sections.
Stay variant RM is available in **1 mm width sections**.



Calculation example

B_i	=	500 mm
B_k	=	539 mm
q_k	=	6.0 kg/m

Subject to change.

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Configure your cable carrier:
onlineengineer.de

Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

MC0950 RM | Inner Distribution | TS0

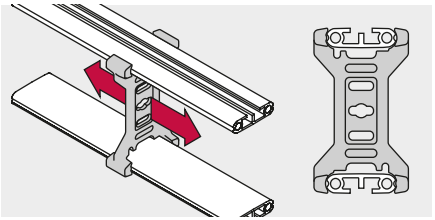
Divider systems

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

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

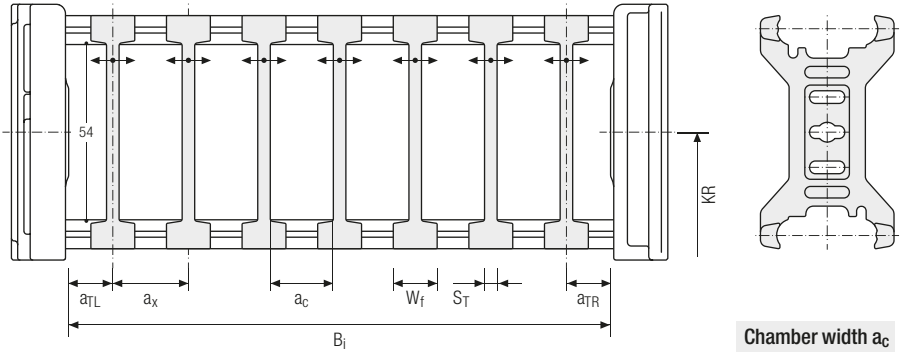
Movable divider

Version A



Divider system TS0 without height separation

Version A				
S_T [mm]	W_f [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]
4	14	7	14	10



Chamber width a_c

$a_c = a_x - S_T$

Order example

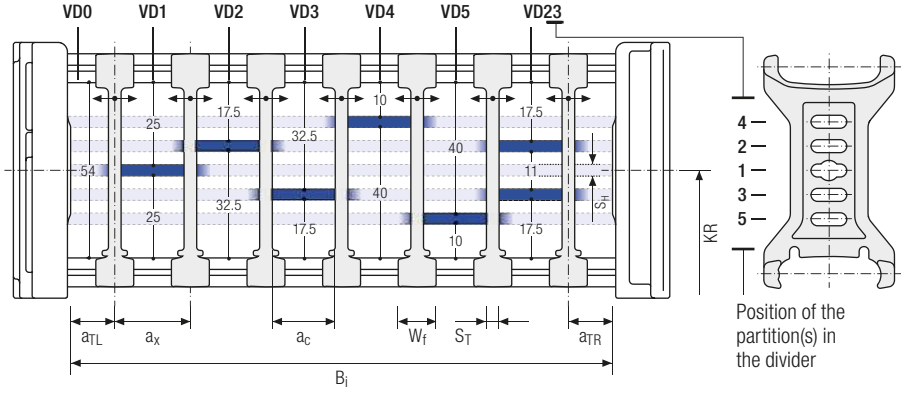
TS0	.	A	.	3
Divider system		Version		n_T

Information on the connection dimensions for the cable carrier can be found on page 104 f.

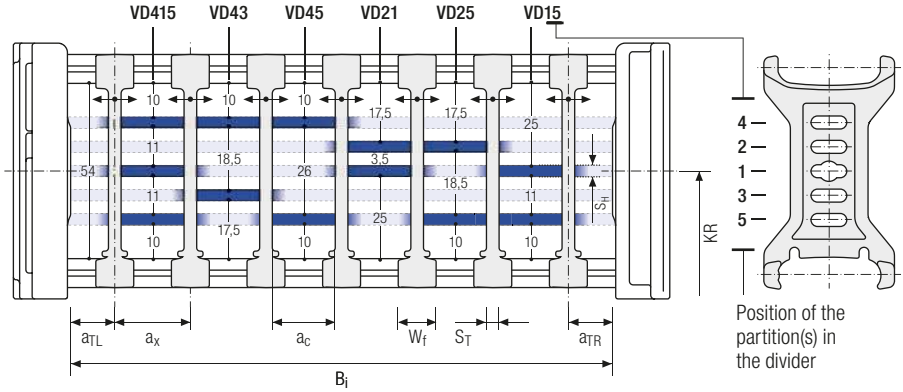
Subject to change.

Divider system TS1 with continuous height separation

Version A							
S_T [mm]	W_f [mm]	S_H [mm]	a_{TL}/a_{TR} min [mm]	a_{TL}/a_{TR} max [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
4	12	4	6	25	12	8	2



Position of the partition(s) in the divider



Position of the partition(s) in the divider

Standard height separation with **aluminum profile 11 × 4 mm**.
The dividers can be moved in the cross section.

Chamber width a_c

$a_c = a_x - S_T$

Information on the connection dimensions for the cable carrier can be found on page 104 f.

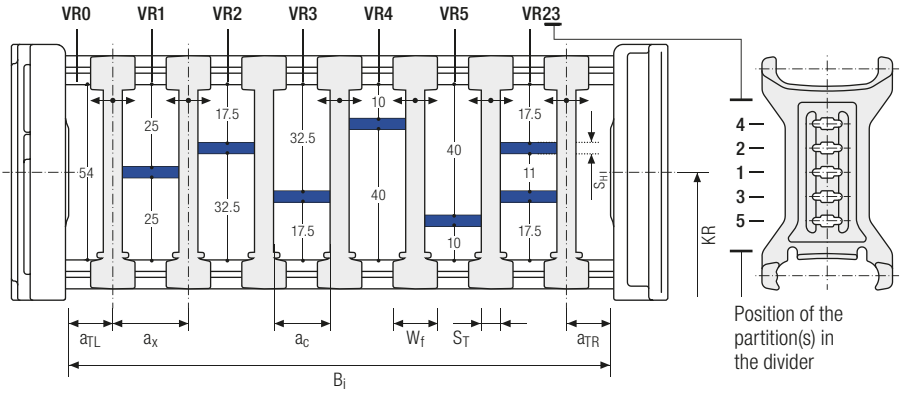
Subject to change.

MC0950 RM | Inner Distribution | TS2

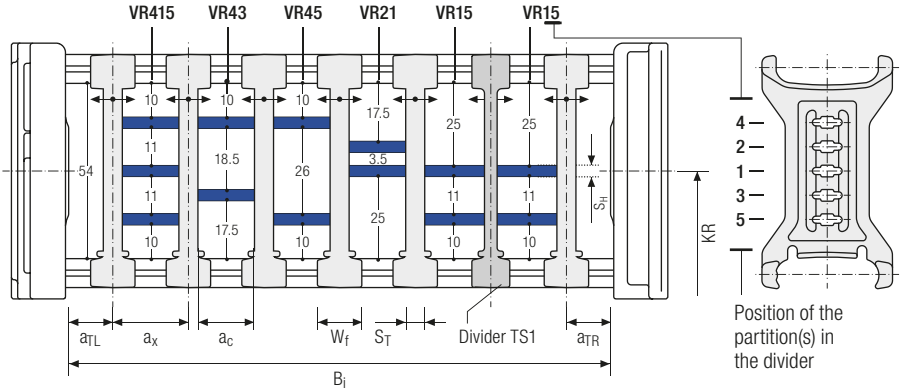
Divider system TS2 with partial height separation

1 mm

Version A						
S_T [mm]	W_f [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
6	14	4	7	16	10	2



Position of the partition(s) in the divider



Position of the partition(s) in the divider

With grid distribution **(1 mm grid)**. Standard height separation with **aluminum profile 11 × 4 mm**. The dividers are fixed by the height separation, the complete divider system is movable in the cross section.
Movable TS1 dividers can be used as an option.

Chamber width a_c

$a_c = a_x - S_T$

Information on the connection dimensions for the cable carrier can be found on page 104 f.

Subject to change.

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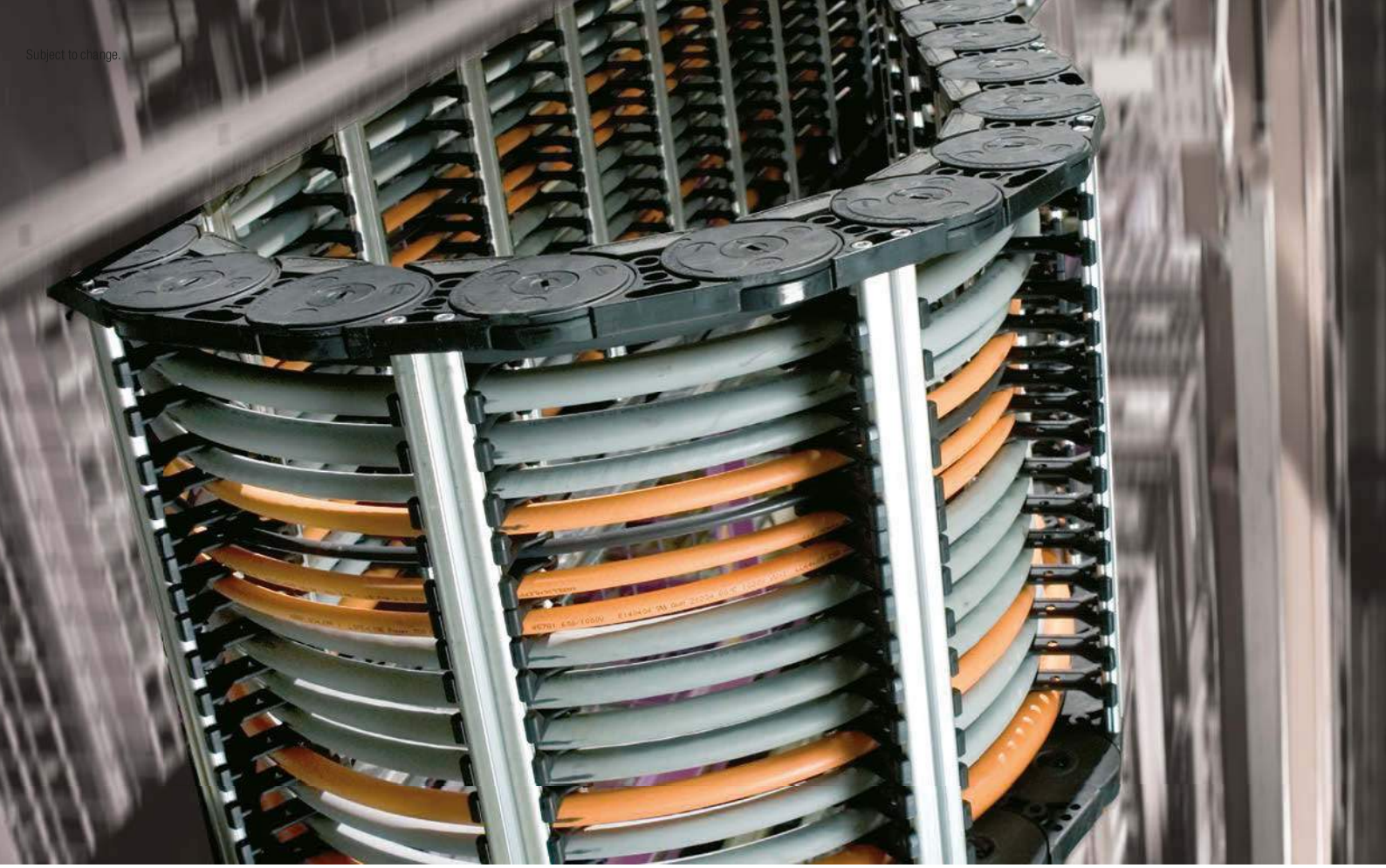
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
online-engineer.de Cable Carrier Configurator

Subject to change.

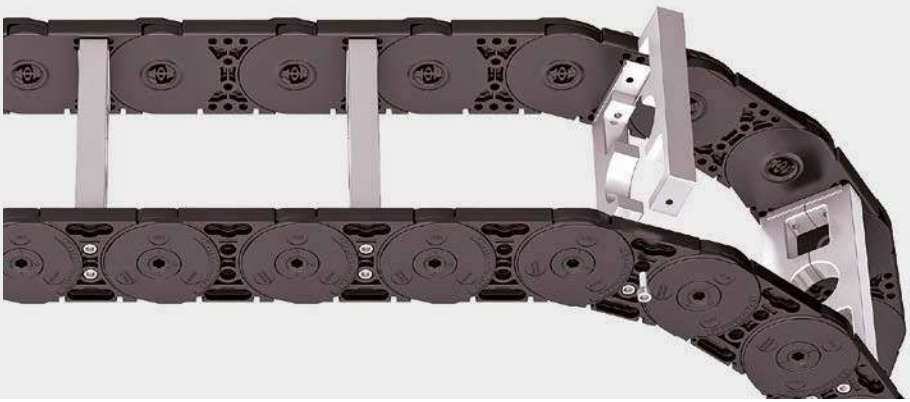


MC0950 LG | Overview

HEAVY DUTY TSUBAKI KABELSCHLEPP

Aluminum stay LG – hole stay, split version

- Optimum cable routing in the neutral bending line. Split version for easy cable routing. Stays also available unsplit.
- Available customized in **1 mm width sections**.
- Order-specific manufacturing of the hole pattern according to your data.
- **Opening options outside/inside**: Screw connection is easy to release.

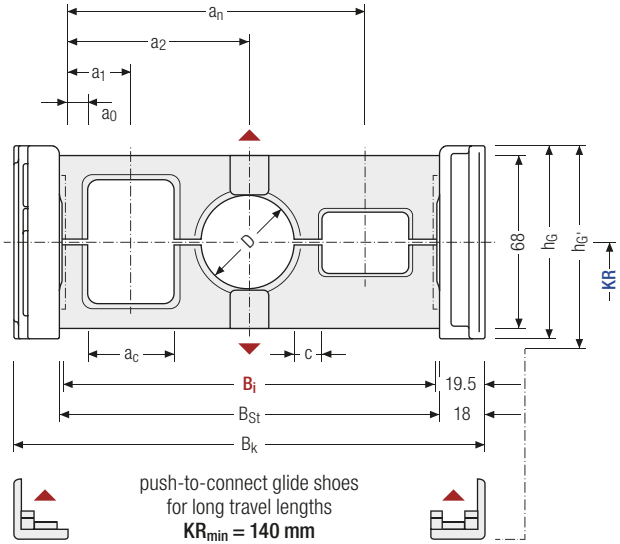


Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

1 mm

B_i from 75 – 600 mm in **1 mm width sections**



push-to-connect glide shoes for long travel lengths
KR_{min} = 140 mm

Calculating the cable carrier width

Inner width B_i

$B_i = B_{St} - 3$ mm

Outer width B_k

$B_k = B_{St} + 36$ mm

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

Subject to change.

MC0950 LG | Dimensions · Technical Data

Pitch, chain link height and hole stay dimensions

t [mm]	h_G [mm]	$h_{G'}$ [mm]	$h_{G'}$ Offroad [mm]	D_{max} [mm]	c_{min} [mm]	$a_{c\ min}$ [mm]	$a_{0\ min}$ [mm]
95	80	83,5	86	48	4	12	11

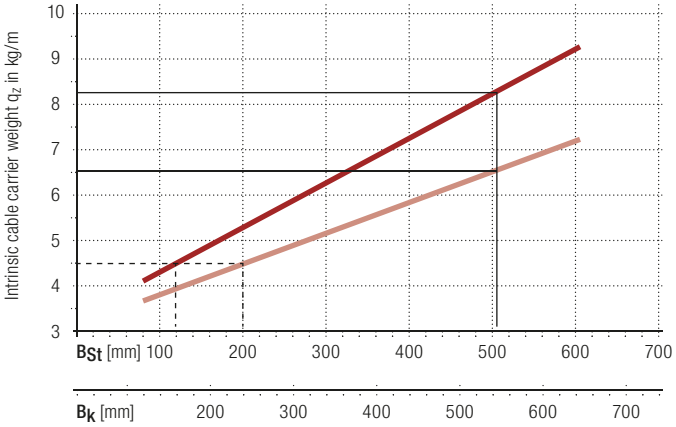
Bend radii

KR [mm]						
140	170	200	260	290	320	380

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_{St} [mm]	B_k [mm]	q_k 40 % [kg/m]	q_k 60 % [kg/m]
75	78	114	4.09	3.69
100	103	139	4.33	3.86
150	153	189	4.83	4.20
200	203	239	5.32	4.53
250	253	289	5.81	4.87
300	303	339	6.31	5.21
350	353	389	6.80	5.55
400	403	439	7.30	5.88
450	453	489	7.79	6.22
500	503	539	8.28	6.56
550	553	589	8.78	6.90
600	603	639	9.27	7.23

The stated values for B_i are sample values in 50 mm sections.
Stay variant LG is available in **1 mm width sections**.



Calculation example

B_{St} = 503 mm
B_k = 539 mm
q_k = 8.28 kg/m [40 %]
q_k = 6.56 kg/m [60 %]

Hole stays with 40 % hole ratio
Hole stays with 60 % hole ratio

Inner height 53
Inner width 75 – 600
Increments 1 mm
Key for abbreviated symbols on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 106

Subject to change.

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

Technical support:
technik@kabelschlepp.de

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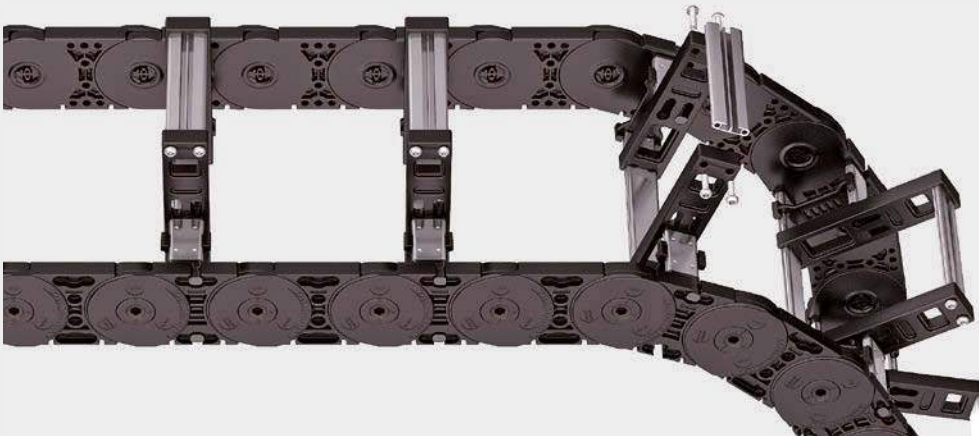
Cable Carrier Configurator

MC0950 RMA | Overview

Aluminum stay RMA – mounting frame stay

- Aluminum profile bars with plastic mounting frame stays for guiding very large cable diameters.
- The mounting frame stay can be mounted either **inside** or **outside** in the bending radius.
- Available customized in **1 mm width sections**.
- **Opening options outside/inside**: Screw connection is easy to release.

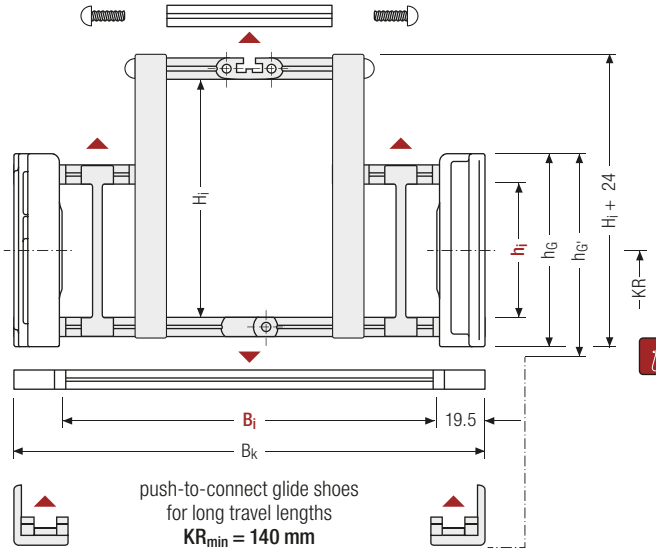


Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

1 mm

B_i from 200 – 500 mm in **1 mm width sections**



push-to-connect glide shoes for long travel lengths
KR_{min} = 140 mm

Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 39$ mm

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

All cable carrier cross sections according to section data in the schematic.

Subject to change.

MC0950 RMA | Dimensions · Technical Data

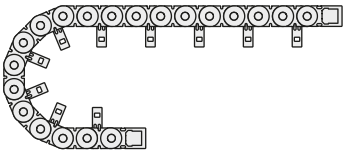
Pitch, inner height and chain link height

t [mm]	h_i [mm]	H_i [mm]	h_G [mm]	$h_{G'}$ [mm]	$h_{G'}$ Offroad [mm]
95	58	130 / 160 / 200	80	83,5	86

Bend radii

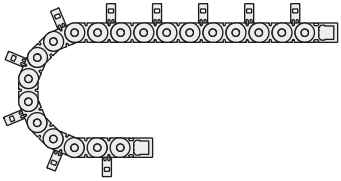
KR [mm]						
140	170	200	260	290	320	380

Assembly variants



RMA 1 – assembly to the inside:
Gliding application is not possible when using assembly version RMA 1.

Observe minimum KR:
H_i = 130 mm: KR_{min} = 170 mm
H_i = 160 mm: KR_{min} = 200 mm
H_i = 200 mm: KR_{min} = 260 mm



RMA 2 – assembly to the outside:
The cable carrier has to rest on the side bands and not on the stays.

Guiding in a **channel is required** for support. Please contact our technical support at technik@kabelschlepp.de to find the corresponding guide channel.

Please note the operating and installation height.

Intrinsic cable carrier weight

Determining the intrinsic cable carrier weight strongly depends on the selected stay arrangement. Please contact us.

TSUBAKI KABELSCHLEPP Technical Support

We would like to support you with complex design parameters. Just make use of our technical consultation service.

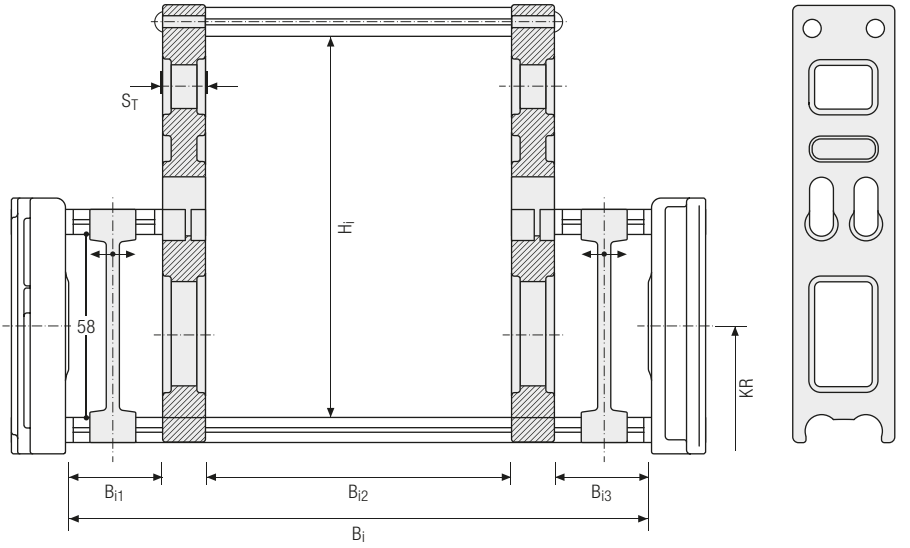
Information on the connection dimensions for the cable carrier can be found on page 104 f.

Subject to change.

MC0950 RMA | Inner Distribution

Inner distribution

S_T [mm]	H_i [mm]	$B_{i1\ min}$ [mm]	$B_{i3\ min}$ [mm]
15	130 / 160 / 200	40	40



TSUBAKI KABELSCHLEPP Technical Support

We would like to support you with complex design parameters. Just make use of our technical consultation service.

TRAXLINE® cables in motion

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

More product information online

Assembly instructions etc.: Receive additional info via your smartphone or check online at **kabelschlepp.de/support**

Configure your custom cable carrier: **onlineengineer.de**

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Configure your cable carrier: **onlineengineer.de**

Technical support: **technik@kabelschlepp.de**

online-engineer.de Cable Carrier Configurator

Subject to change.

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Configure your cable carrier:
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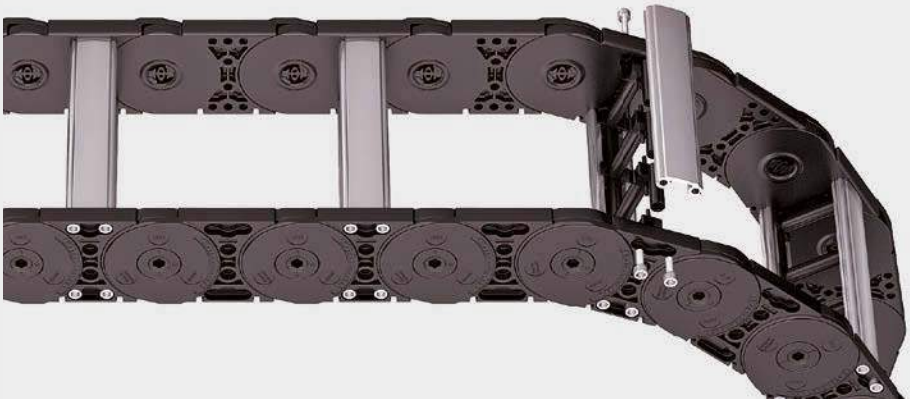
Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

MC0950 RMR | Overview

Aluminum stay RMR – frame rolling stay

- Aluminum profile bars with rotating plastic rolling stay for highest requirements with gentle cable guiding. Double screw connection on both sides.
- Available customized in **1 mm width sections**.
- **Opening options outside/inside**: Screw connection is easy to release.

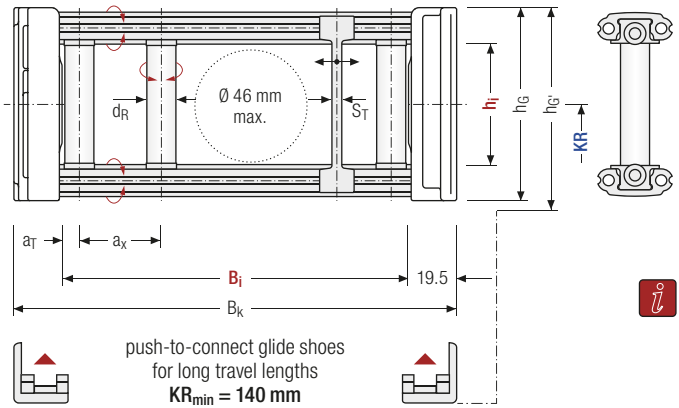


Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

1 mm

B_i from 75 – 600 mm in **1 mm width sections**



push-to-connect glide shoes
for long travel lengths
KR_{min} = 140 mm

Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 39$ mm

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.

Subject to change.

MC0950 RMR | Dimensions · Technical Data

Pitch, inner height, chain link height and rolling stay dimensions

t [mm]	h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	$h_{G'}$ Offroad [mm]	d_R [mm]	S_T [mm]	$a_{T\,min}$ [mm]	$a_{x\,min}$ [mm]
95	51	80	83,5	86	10	4	6.5	37

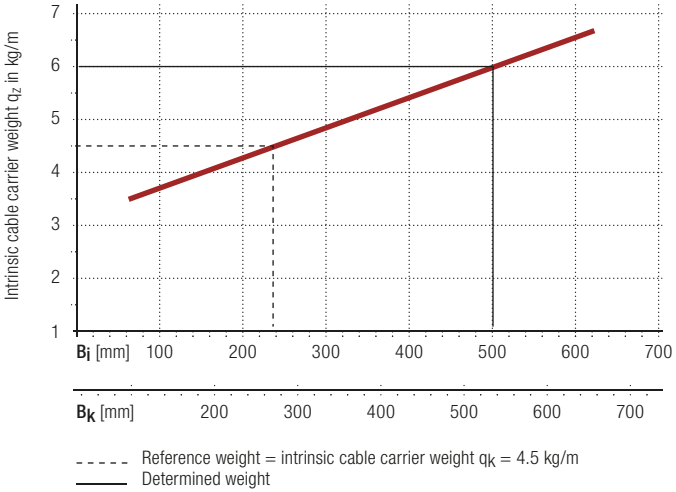
Bend radii

KR [mm]						
140	170	200	260	290	320	380

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
75	114	3.63
100	139	3.77
150	189	4.04
200	239	4.32
250	289	4.60
300	339	4.88
350	389	5.16
400	439	5.44
450	489	5.72
500	539	6.00
550	589	6.27
600	639	6.55

The stated values for B_i are sample values in 50 mm sections.
Stay variant RMR is available in **1 mm width sections**.



Calculation example

B_i	=	500 mm
B_k	=	539 mm
q_k	=	6.00 kg/m

Subject to change.

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

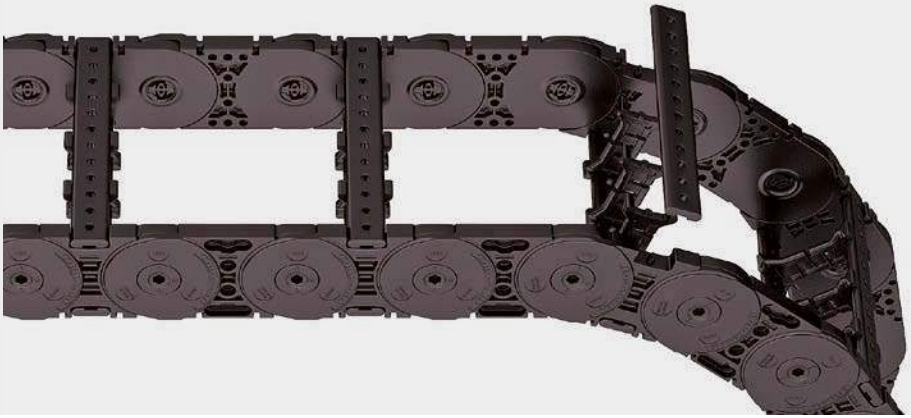
Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

ME0950 RE | Overview

Plastic stay RE – frame screw-in stay

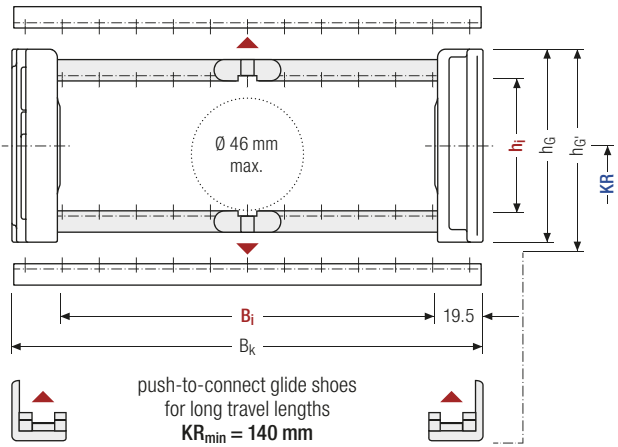
- Plastic profile bars for light to medium loads. Assembly without screws.
- Available customized in **16 mm width sections**.
- **Opening options outside/inside:** Release by turning by 90°.



Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

16 mm
B_i from 45 – 557 mm in **16 mm width sections**



push-to-connect glide shoes
for long travel lengths
KR_{min} = 140 mm

Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 39$ mm

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.

Subject to change.

ME0950 RE | Dimensions · Technical Data

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	$h_{G'}$ Offroad [mm]
95	58	80	83,5	86

Bend radii

KR [mm]						
140	170	200	260	290	320	380

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
45	84	3.0
61	100	3.1
77	116	3.2
93	132	3.3
109	148	3.4
125	164	3.5
141	180	3.6
157	196	3.7
173	212	3.8
189	228	3.9
205	244	4.0
221	260	4.1
237	276	4.2
253	292	4.3
269	308	4.4
285	324	4.5
301	340	4.6
317	356	4.7
333	372	4.8
349	388	4.9
365	404	5.0
381	420	5.1
397	436	5.2
413	452	5.3
429	468	5.4
445	484	5.5
461	500	5.6
477	516	5.7
493	532	5.8
509	548	5.9
525	564	6.0
541	580	6.1
557	596	6.2

Subject to change.

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

MK0950 RD | Overview

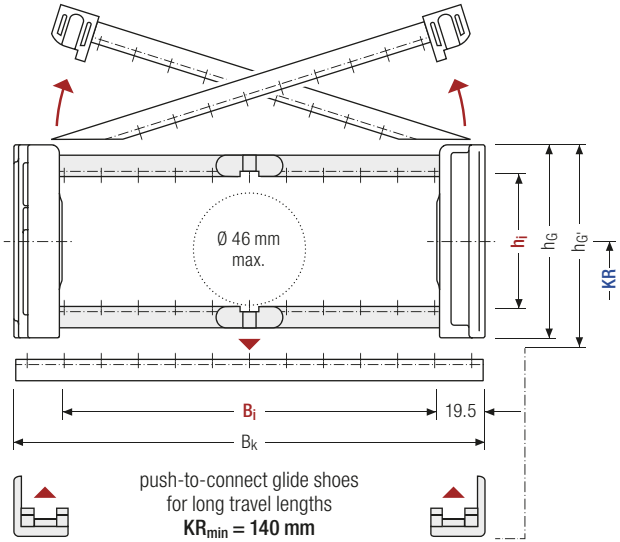
Plastic stay RD – frame stay with hinge

- Plastic profile bars with hinge for light and medium loads. Assembly without screws.
- Available customized in **16 mm width sections**.
- **Opening options**
  outside: Swivable to both sides.
  inside: Release by turning by 90°.

Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

16 mm
B_i from 45 – 557 mm in **16 mm width sections**



push-to-connect glide shoes for long travel lengths
KR_{min} = 140 mm

Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 39$ mm

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.

Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

Subject to change.

MK0950 RD | Dimensions · Technical Data

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	$h_{G'}$ Offroad [mm]
95	58	80	83,5	86

Bend radii

KR [mm]						
140	170	200	260	290	320	380

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
45	84	3.0
61	100	3.1
77	116	3.2
93	132	3.3
109	148	3.4
125	164	3.5
141	180	3.6
157	196	3.7
173	212	3.8
189	228	3.9
205	244	4.0
221	260	4.1
237	276	4.2
253	292	4.3
269	308	4.4
285	324	4.5
301	340	4.6
317	356	4.7
333	372	4.8
349	388	4.9
365	404	5.0
381	420	5.1
397	436	5.2
413	452	5.3
429	468	5.4
445	484	5.5
461	500	5.6
477	516	5.7
493	532	5.8
509	548	5.9
525	564	6.0
541	580	6.1
557	596	6.2

Subject to change.

ME0950 RE/MK0950 RD | Inner Distribution | TS0

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Configure your cable carrier: onlineengineer.de

Technical support: technik@kabelschlepp.de

online-engineer.de Cable Carrier Configurator

Divider systems

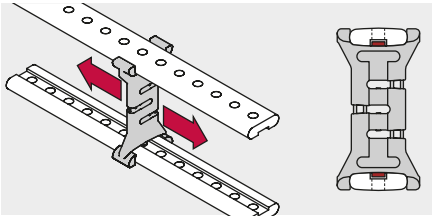
As a standard, the divider system is mounted on each crossbar – for stay mounting on every 2nd chain link (HS).

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

The dividers are easily attached to the stay for applications with lateral acceleration and for applications laying on their side by simply turning the frame stay by 180°. The locking cams click into place in the locking grids in the crossbars **(version B)**. The groove in the frame stay faces outwards.

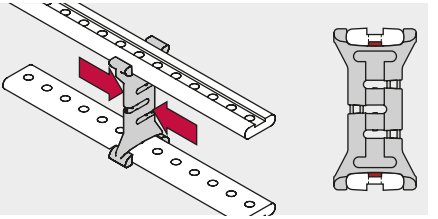
Movable divider

Version A (Standard)



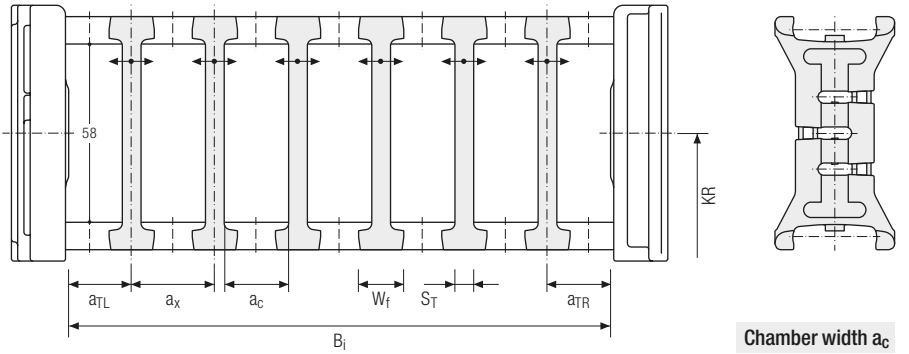
Fixable divider (16 mm grid)

Version B



Divider system TS0 without height separation

		Version A			Version B			
S_T [mm]	W_f [mm]	a_{TL}/a_{TR} min [mm]	a_x min [mm]	a_c min [mm]	a_{TL}/a_{TR} min [mm]	a_x min [mm]	a_c min [mm]	a_x grid [mm]
6	14.5	7.5	14.5	8.5	22.5	16	10	16



Chamber width a_c

$a_c = a_x - S_T$

Order example

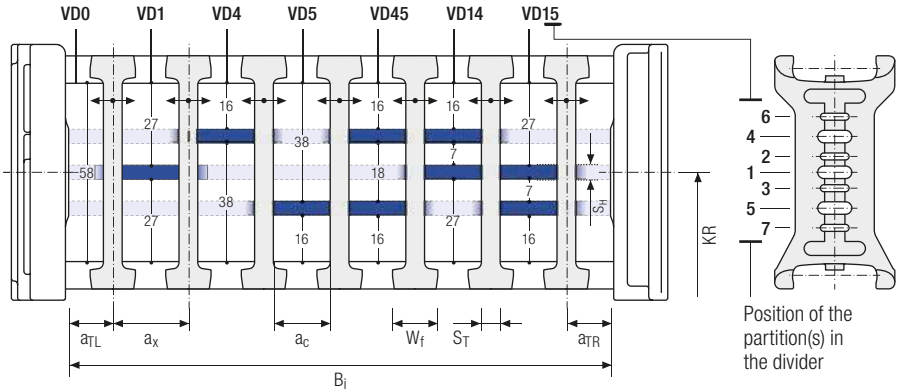
TS0	.	A	.	3
Divider system		Version		n_T

Information on the connection dimensions for the cable carrier can be found on page 104 f.

Subject to change.

Divider system TS1 with continuous height separation

S_T [mm]	W_f [mm]	S_H [mm]	$n_{T\ min}$	Version A $a_{TL}/a_{TR\ min}$ [mm]	Version A $a_{x\ min}$ [mm]	Version A $a_{c\ min}$ [mm]	Version B $a_{TL}/a_{TR\ min}$ [mm]	Version B $a_{x\ min}$ [mm]	Version B $a_{c\ min}$ [mm]	Version B $a_{x\ grid}$ [mm]
6	14.5	4	2	7.25	14.5	8.5	22.5	16	10	16



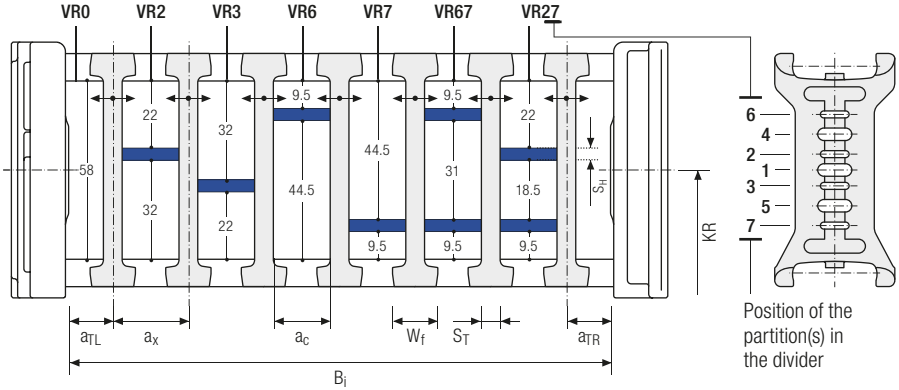
Standard height separation with **aluminum profile 11 × 4 mm**. The dividers can be moved in the cross section.

Divider system TS2 with partial height separation

16 mm

S_T [mm]	W_f [mm]	S_H [mm]	$n_{T\ min}$	Version A $a_{TL}/a_{TR\ min}$ [mm]	Version A $a_{x\ min}$ [mm]	Version A $a_{c\ min}$ [mm]	Version B $a_{TL}/a_{TR\ min}$ [mm]	Version B $a_{x\ min}$ [mm]	Version B $a_{c\ min}$ [mm]	Version B $a_{x\ grid}$ [mm]
6	14.5	4	2	9	14.5* / 20	8.5* / 14	22.5	16* / 32	10* / 26	16

* for VR0



With grid distribution **(16 mm grid)**. Standard height separation with **aluminum profile 11 × 4 mm**. The dividers are attached by the height separation, the grid can be moved in the cross section (version A) or fixed (version B).

Chamber width a_c

$a_c = a_x - S_T$

Information on the connection dimensions for the cable carrier can be found on page 104 f.

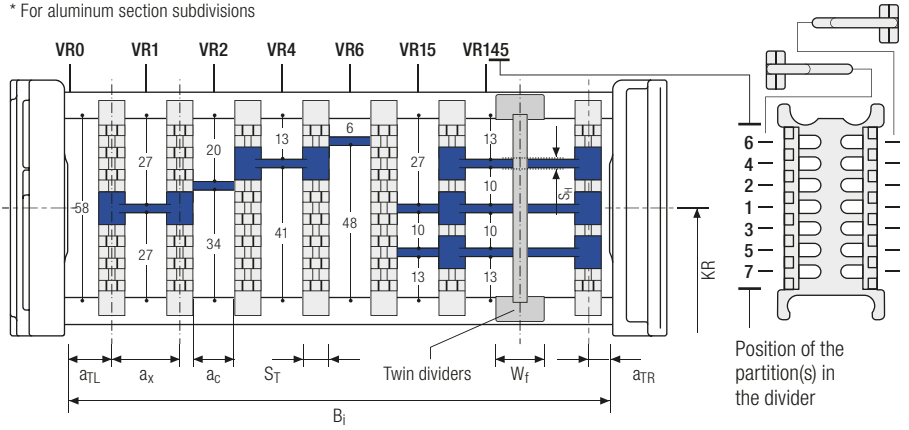
Subject to change.

ME0950 RE/MK0950 RD | Inner Distribution | TS3

Divider system TS3 with height separation made of plastic section subdivisions

Version A								
S_T [mm]	S_T twin divider [mm]	W_f [mm]	W_f twin divider [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
8	4	4	13	4	4	16 / 42*	8	2

* For aluminum section subdivisions



Position of the partition(s) in the divider

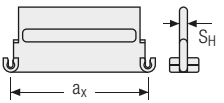
The dividers are fixed by the partitions, the complete divider system is movable in the cross section. Movable twin dividers are optionally available. Twin dividers are also suitable for retrofitting in the section subdivision system.

Chamber width a_c

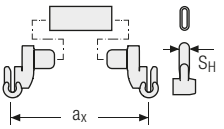
$a_c = a_x - S_T$

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

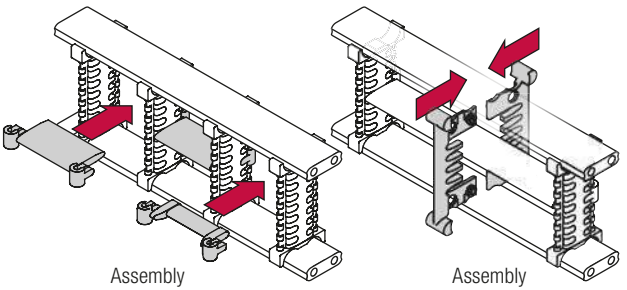
Plastic section subdivisions in a_x increments



Aluminum section subdivisions with plastic adapters in 1 mm increments



When using **section subdivisions with a_x > 112 mm** we recommend an additional center support with a **twin divider.**
The height separations VR6 and VR7 are not possible when using twin dividers. Aluminum section subdivisions are only available with **a_x > 42 mm**.



Assembly section subdivision

Assembly twin divider

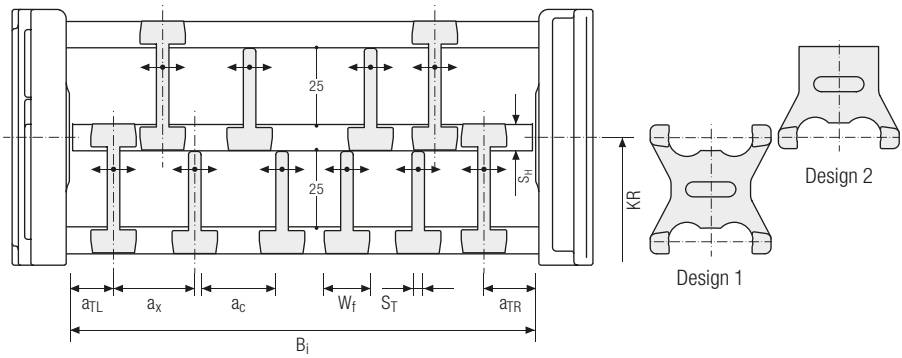
Information on the connection dimensions for the cable carrier can be found on page 104 f.

Subject to change.

kabelschlepp.de/m
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
online-engineer.de Cable Carrier Configurator

Divider system TS4 with continuous height and partial vertical partitions

Version A						
S_T [mm]	W_f [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
4	14.5	8	7.5	15	11	4



Height separation with **aluminum profile 27 × 8 mm**.
At least 2 half dividers with wrap-around design on both sides (design 1) have to be mounted in the upper and lower chamber near the side band.

Chamber width a_c

$a_c = a_x - S_T$

Information on the connection dimensions for the cable carrier can be found on page 104 f.

TOTALTRAX® complete systems

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Subject to change.

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

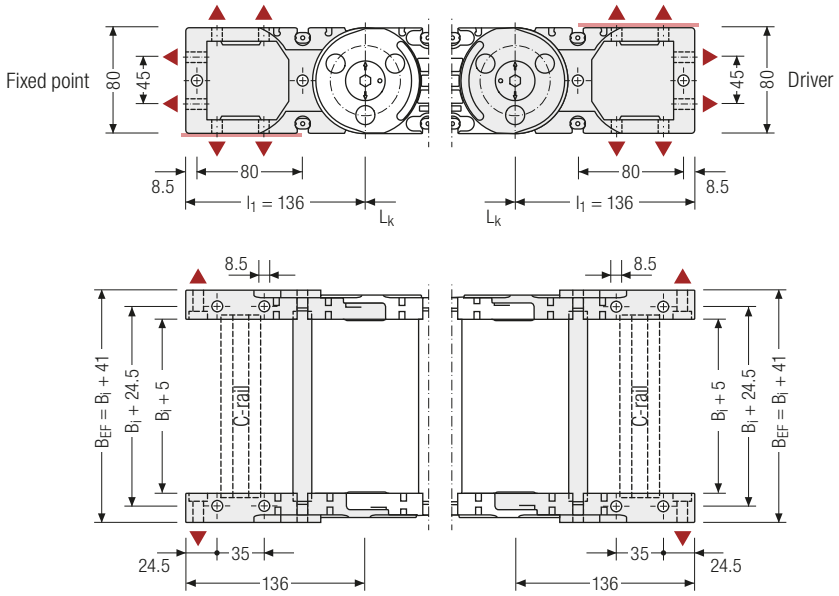
Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

M0950 | End Connectors | UMB

Universal end connectors UMB – plastic (standard)

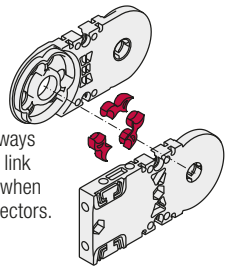
The universal mounting brackets (UMB) are made from plastic and can **be mounted from the top, from the bottom, face on or from the side**.



▲ Assembly options

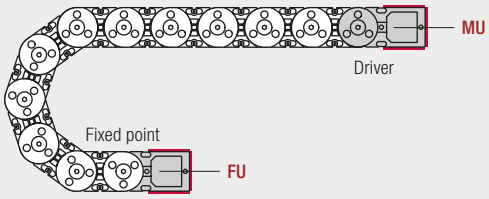
Optional with C-rail for holding strain relief elements.

Recommended tightening torque: 27 Nm for cheese-head screws ISO 4762 - M6 - 8.8



As a standard, we always supply the first chain link with KR determining when using UMB end connectors.

Connection variants



Connection point
F – fixed point
M – driver

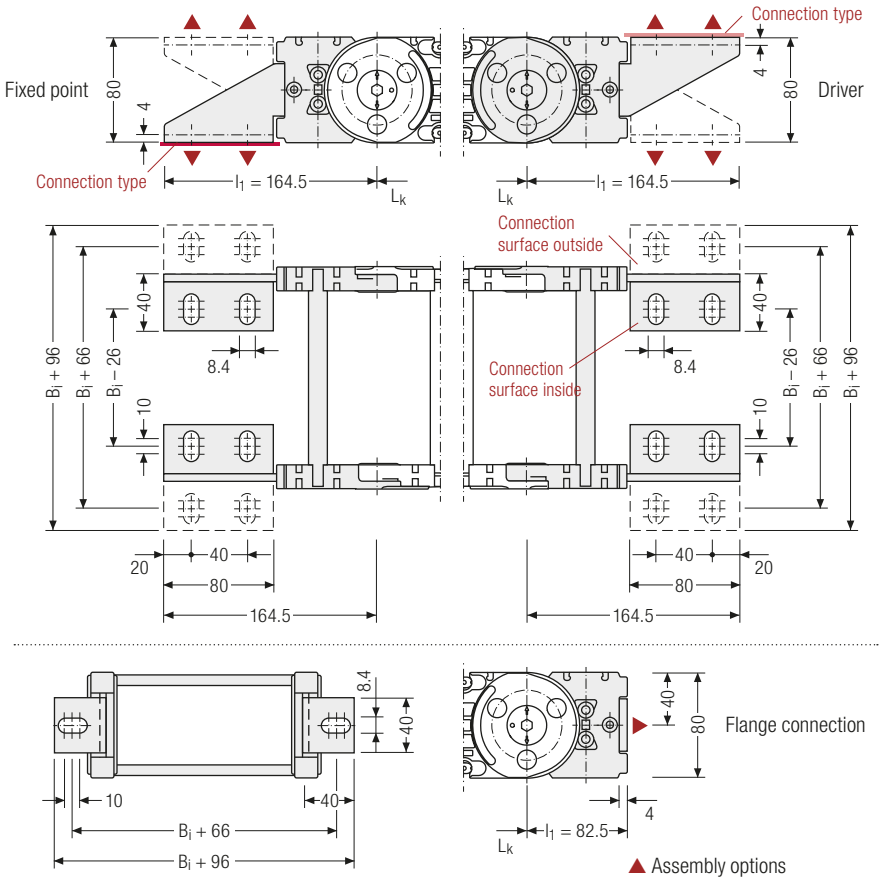
Connection type
U – universal mounting bracket

Subject to change.

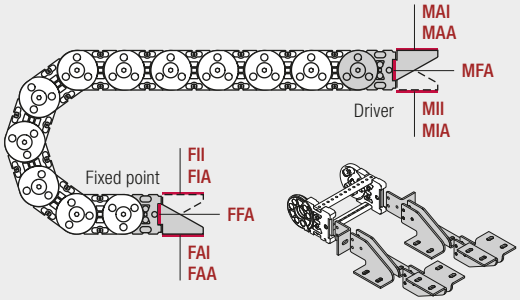
M0950 | End Connectors | Steel Connector

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 subsequently.



Connection variants



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

inner height 51 - 58
inner width 45 - 600
Key for abbreviations on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 106

Subject to change.

M0950 | Order Key

Order

Cable carrier

Type	B_i [mm]	Stay variant	KR [mm]	L_k [mm]	Stay arrangement
		RS			
		RV	140		
		RM	170		
		LG	200		
		RMA	260		
MC0950	24	RMR	290		
ME0950	…	RD	320		HS
MK0950	800	RE	380		VS

MC0950	.	400	.	RM	.	200	-	2850		HS
Type		B_i [mm]		Stay variant		KR [mm]		L_k [mm]		Stay arrangement

Caution: Not all combinations are possible. Please note the information on the individual stay variants. When using stay variant LG, please provide dimension B_{St} instead of B_i.

International order specification INTOK: Information can be found in the chapter “International Order Key” from p. 1.

Divider system

Divider system	Version	n_T	Chamber	a_x [mm]	Height separation (not for TS0)
TS0					
TS1					
TS2			K1		VD0
TS3	A	min. 2	K2	min. 14	VD1
TS4	B	…	…	…	…

TS3	.	A	.	3	.	K1	.	34	-	VD1
						⋮		⋮		⋮
					.	K5	.	38	-	VD3
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].

If using divider systems with height separation **(TS1 – TS4)** please also state the positions [e.g. VD23] viewed from the left carrier belt. If using the divider system **TS3**, please also state the required twin dividers. You are welcome to add a sketch to your order.

Connection

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

Plastic/steel	.	F	A	A
Plastic/steel	.	M	U	

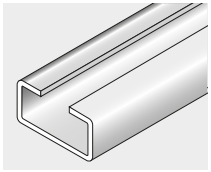
Please state the desired connection variant as well as the desired strain relief type for the fixed point and for the driver.

Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
kabelschlepp.de/m
online-engineer.de Cable Carrier Configurator
Subject to change.

Accessories

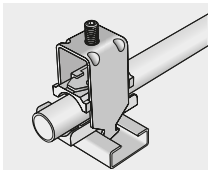
C-rails for strain relief elements

The optional C-rails are secured by the UMB end connectors and do not require separate screw connections.



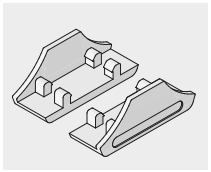
LineFix® clamps

LineFix® clamps are fixed to the C-rail. The serve as a separate strain relief or separate attachment of the cables outside the cable carrier.



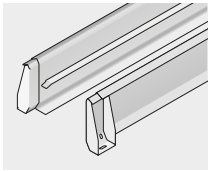
Gliding elements

The optional glide shoes ensure a substantially longer service life of the cable carrier in gliding operation.



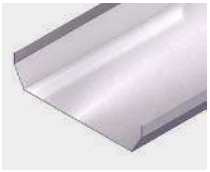
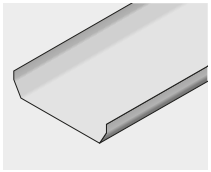
Guide channels

The cable carrier always has to be guided in a channel for gliding applications. This prevents the upper and lower run from slipping.



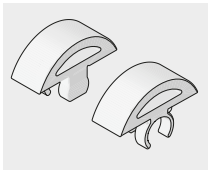
Support trays

An even surface is required for safe unrolling of the cable carrier. This is ensured by a support tray.

Outer dampers

The use of outer dampers effectively reduces uncoiling noise. Particularly recommended for support trays and guide channels.

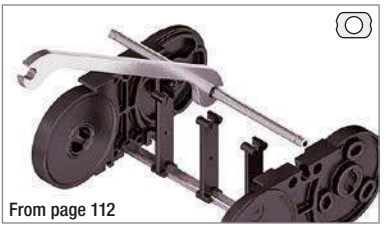


Subject to change.

M1250

Stay variants

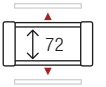
Aluminum stay RS



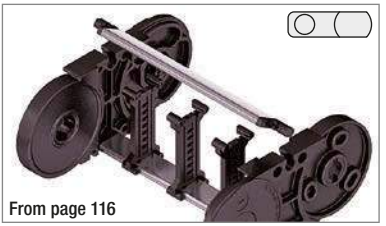
From page 112

Frame stay standard “the standard”
- Extremely quick to open and close.
- Aluminum profile bars for light to medium loads. Assembly without screws.
- Available customized in **1 mm width sections**.

Opening options
outside/inside: Release by turning by 90°.



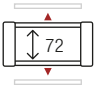
Aluminum stay RV



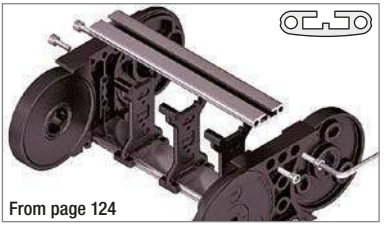
From page 116

Frame stay reinforced
- Aluminum profile bars plastic adapter for medium to high loads and large cable carrier widths. Assembly without screws.
- Available customized in **1 mm width sections**.

Opening options
outside/inside: Release by turning by 90°.



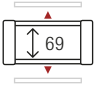
Aluminum stay RM



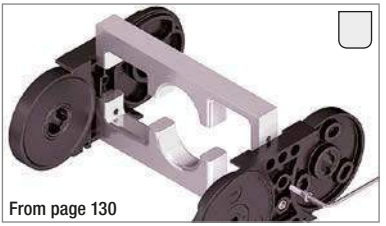
From page 124

Frame stay solid
- Aluminum profile bars for heavy loads and maximum cable carrier widths. Double screw connection on both sides **“Heavy Duty”**.
- Available customized in **1 mm width sections**.

Opening options
outside/inside: Screw connection is easy to release.



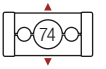
Aluminum stay LG



From page 130

Hole stay, split version
- Optimum cable routing in the neutral bending line. Split version for easy cable routing. Stays also available unsplit.
- Available customized in **1 mm width sections**.

Opening options
outside/inside: Screw connection is easy to release.



Technical data on page 110

Subject to change.

M1250 | Stay Variants | Overview

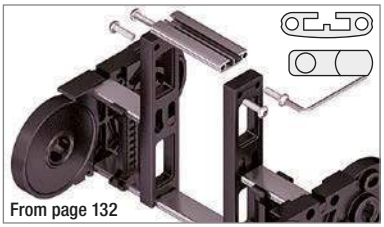
Pitch
125 mm

Height
66 – 74 mm

Width
71 – 800 mm

Bending radius
180 – 500 mm

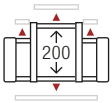
Aluminum stay RMA



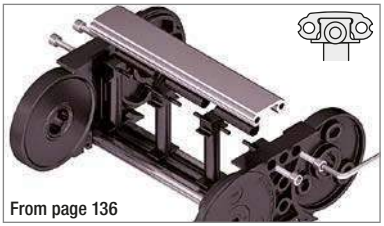
From page 132

Mounting frame stay
- Aluminum profile bars with plastic mounting frame stays for guiding very large cable diameters.
- Available customized in **1 mm width sections**.

Opening options
outside/inside: Screw connection is easy to release.



Aluminum stay RMR

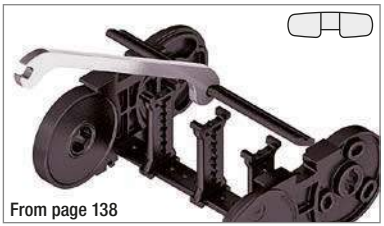


From page 136

Frame rolling stay
- Aluminum profile bars with rotating plastic rolling stay for highest requirements with gentle cable guiding. Double screw connection on both sides.
- Available customized in **1 mm width sections**.

Opening options
outside/inside: Screw connection is easy to release.

Plastic stay RE

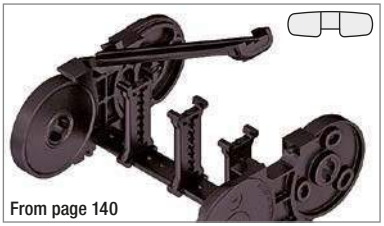


From page 138

Screw-in frame stay
- Plastic profile bars for light and medium loads. Assembly without screws.
- Available customized in **16 mm width sections**.

Opening options
outside/inside: Release by turning by 90°.

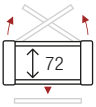
Plastic stay RD



From page 140

Frame stay with hinge
- Plastic profile bars with hinge for light and medium loads. Assembly without screws.
- Available customized in **16 mm width sections**.

Opening options
outside: Swivable to both sides.
inside: Release by turning by 90°.

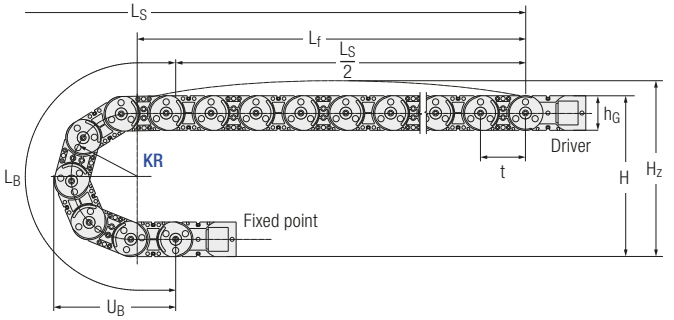


Technical data on page 110

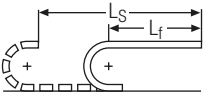
Subject to change.

M1250 | Installation Dimensions | Unsupported

Unsupported arrangement



Unsupported length L_f



A sagging of the cable carrier is technically permitted for extended travel lengths, depending on the specific application.

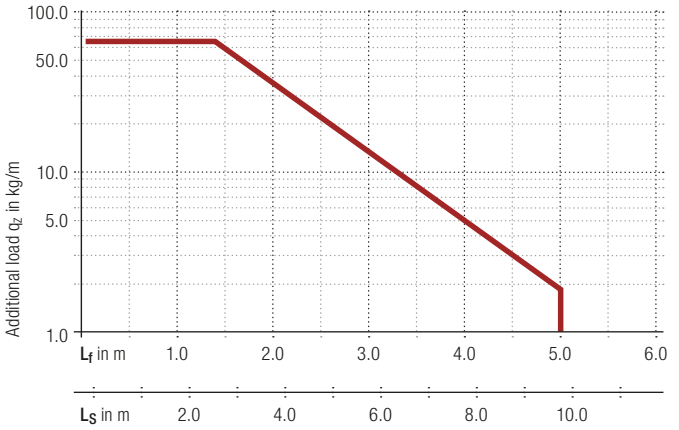
Dynamics of unsupported arrangement		t
v_{max} [m/s]	a_{max} [m/s²]	[mm]
5	25	125

Installation dimensions unsupported

KR [mm]	H [mm]	H_Z [mm]	L_B [mm]	U_B [mm]
180	456	506	816	353
220	536	586	942	393
260	616	666	1,067	433
300	696	746	1,193	473
340	776	826	1,319	513
380	856	906	1,444	553
500	1,096	1,146	1,821	673

Load diagram

for unsupported length depending on additional load



Intrinsic cable carrier weight q_k = 4.5 kg/m. The maximum additional load decreases if this value is exceeded.

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

Unsupported length L_f

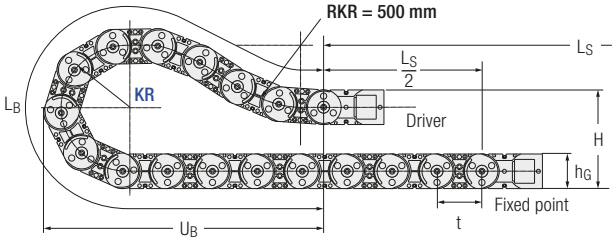
$$L_f = \frac{L_S}{2} + t$$

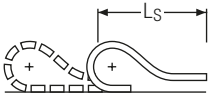
Fixed point offset L_v:
For off-center fixed point connections please contact us.

Subject to change.

kabelschlepp.de/m-series
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
online-engineer.de Cable Carrier Configurator

Gliding arrangement





For more information on gliding arrangement please contact us.

Glide shoes are required for gliding applications.

The gliding cable carrier has to be routed in a channel.
Our engineers will be happy to help with project planning – please contact us.

Installation dimensions gliding with RKR links

KR [mm]	H [mm]	n_{RKR}	L_B [mm]	U_B [mm]
220	288	4	2,500	1,088
260	288	4	2,625	1,140
300	288	4	2,750	1,177
340	288	4	3,125	1,318
380	288	4	3,375	1,403
500	288	4	4,375	1,770

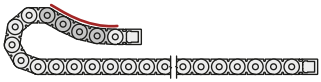
Connection height H is standard. Please contact us if you require other connection heights H. We will be happy to advise you. Optionally, the OnlineEngineer is always available for the calculation.

GO module with chain links optimised for gliding

The GO module mounted on the driver is a defined sequence of 4 different KR/RKR link plates. Faster and more controlled placing of the upper run on the lower run as well as a smaller station in the thrust end position are ensured. A support plate on the driver is not necessary. The GO module is always assembled fully-stayed.

Pull position

Push position



$L_{S\,max}$ [m]	H [mm]	v_{max} [m/s]	a_{max} [m/s]
100	288	2	2 – 3

The GO module can only be used from KR 220.

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

M series
Inner height 66 – 74
Inner width 71 – 800
Key for abbreviations on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 148

Subject to change.

MC1250 RS | Overview

Aluminum stay RS – frame stay standard

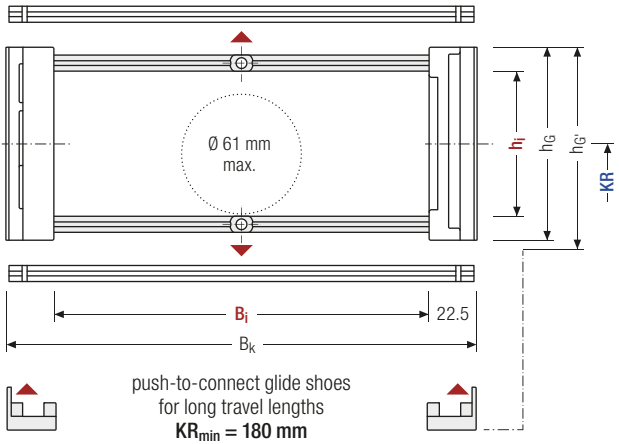
- Extremely quick to open and close.
- Aluminum profile bars for light to medium loads. Assembly without screws.
- Available customized in **1 mm width sections**.
- **Opening options outside/inside**: Release by turning by 90°.

Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

1 mm

B_i from 75 – 400 mm in **1 mm width sections**



push-to-connect glide shoes for long travel lengths
KR_{min} = 180 mm

Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 45$ mm

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.

Subject to change.

kabelschlepp.de/m-series

Configure your cable carrier: **onlineengineer.de**

Technical support: **technik@kabelschlepp.de**

online-engineer.de Cable Carrier Configurator

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	$h_{G'}$ Offroad [mm]
125	72	96	99,5	103

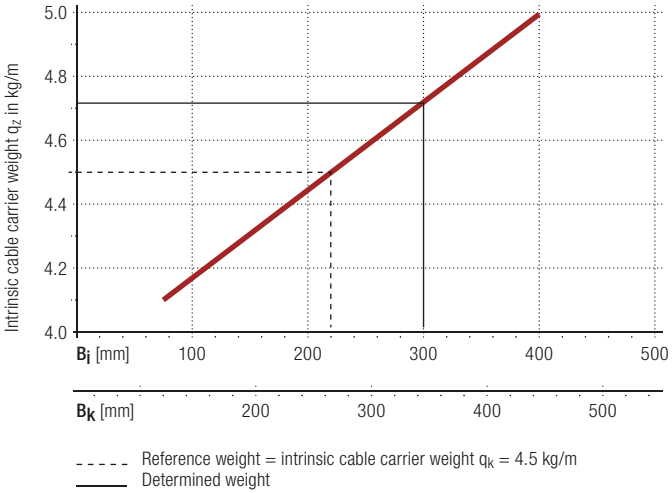
Bend radii

KR [mm]						
180	220	260	300	340	380	500

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
75	120	4.10
100	145	4.17
150	195	4.30
200	245	4.44
250	295	4.57
300	345	4.71
350	395	4.84
400	445	4.97

The stated values for B_i are sample values in 50 mm sections.
Stay variant RS is available in **1 mm width sections**.



Calculation example

B_i	=	300 mm
B_k	=	345 mm
q_k	=	4.71 kg/m

Subject to change.

MC1250 RS | Inner Distribution | TS0

Divider systems

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

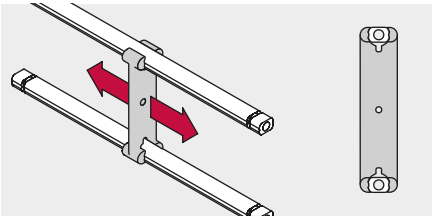
As a standard, dividers and the complete divider system (dividers with height separations) can be moved in the cross section **(version A).**

For applications with lateral acceleration and lying on the side, the dividers must be able to be attached by simple insertion of a bushing, available as an accessory.

The bushing additionally serves as a spacer between the dividers and is available in 1 mm sections between 3 – 50 mm **(version B).**

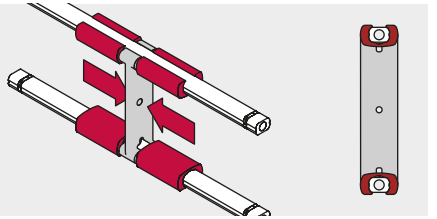
Movable divider

Version A (Standard)



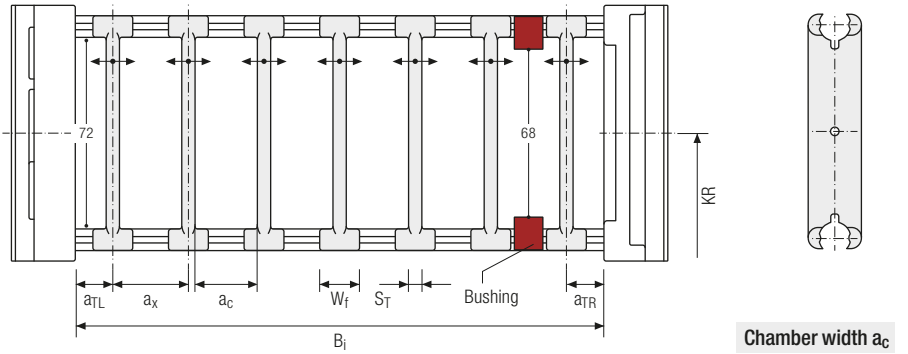
Fixable divider

Version B



Divider system TS0 without height separation

Version A				
S_T [mm]	W_f [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]
5	15	7.5	15	10



Chamber width a_c

$a_c = a_x - S_T$

Order example

TS0	.	A	.	3
Divider system		Version		n_T

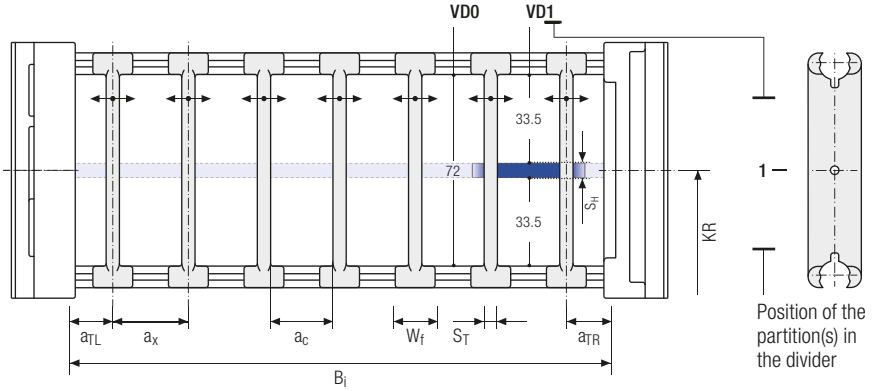
Information on the connection dimensions for the cable carrier can be found on page 146 f.

Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
kabelschlepp.de/m-series
online-engineer.de Cable Carrier Configurator

Subject to change.

Divider system TS1 with continuous height separation

Version A							
S_T [mm]	W_f [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{TL}/a_{TR\ max}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
5	15	5	7.5	25	15	10	2



Standard height separation with **steel tube Ø 5 mm**.
The dividers can be moved in the cross section.

Chamber width a_c

$a_c = a_x - S_T$

TOTALTRAX complete systems

Benefit from the advantages of a TOTALTRAX complete system. Complete delivery from a single source – with a guarantee certificate on request! Learn more at **kabelschlepp.de/totaltrax**

TRAXLINE cables in motion

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

More product information online

Assembly instructions etc.: Receive additional info via your smartphone or check online at **kabelschlepp.de/support**

Configure your custom cable carrier: **onlineengineer.de**

Information on the connection dimensions for the cable carrier can be found on page 146 f.

Subject to change.

MC1250 RV | Overview

Aluminum stay RV – frame stay reinforced

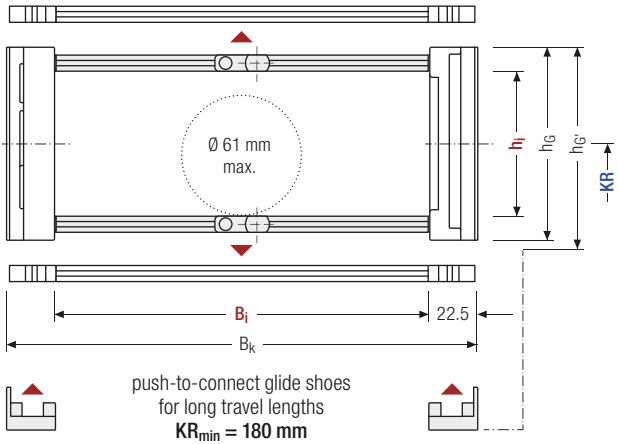
- Aluminum profile bars plastic adapter for medium to high loads and large cable carrier widths. Assembly without screws.
- Available customized in **1 mm width sections**.
- **Opening options outside/inside:** Release by turning by 90°.

Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

1 mm

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



Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 45$ mm

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.

Subject to change.

MC1250 RV | Dimensions · Technical Data

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	$h_{G'}$ Offroad [mm]
125	72	96	99,5	103

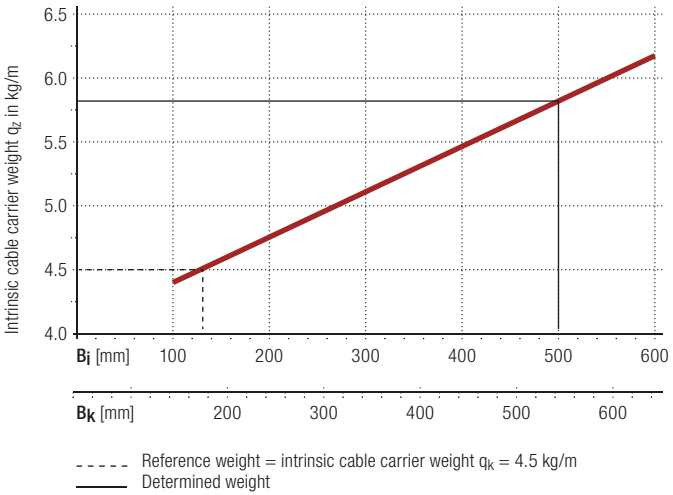
Bend radii

KR [mm]						
180	220	260	300	340	380	500

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
100	145	4.40
150	195	4.58
200	245	4.76
250	295	4.93
300	345	5.11
350	395	5.29
400	445	5.47
450	495	5.65
500	545	5.82
550	595	6.00
600	645	6.18

The stated values for B_i are sample values in 50 mm sections.
Stay variant RV is available in **1 mm width sections**.



Calculation example

B_i	=	500 mm
B_k	=	545 mm
q_k	=	5.82 kg/m

M series
Inner height 72
Inner width 100 – 600
Increments 1 mm
Key for abbreviated symbols on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 148

Subject to change.

MC1250 RV | Inner Distribution | TS0

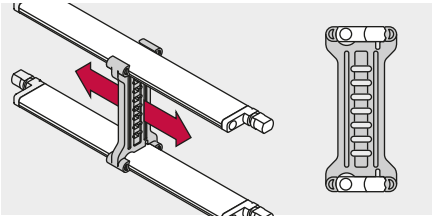
Divider systems

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

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

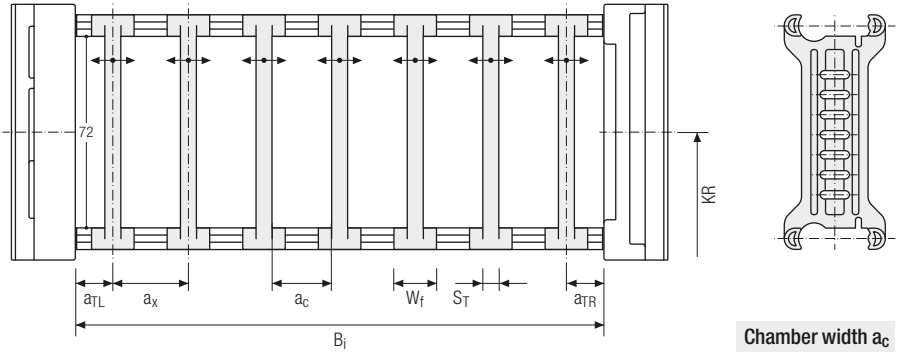
Movable divider

Version A



Divider system TS0 without height separation

Version A					
S_T [mm]	W_f [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
6	16	8	16	10	2



Chamber width a_c

$a_C = a_x - S_T$

Order example

TS0	.	A	.	3
Divider system		Version		n_T

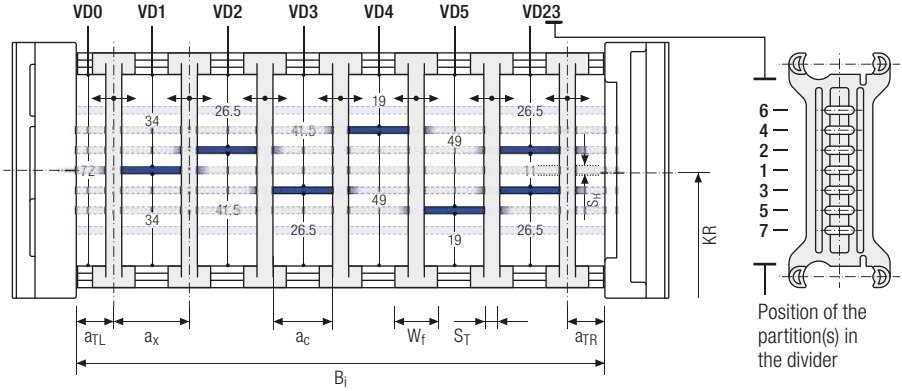
Information on the connection dimensions for the cable carrier can be found on page 146 f.

kabelschlepp.de/m-series
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
online-engineer.de Cable Carrier Configurator

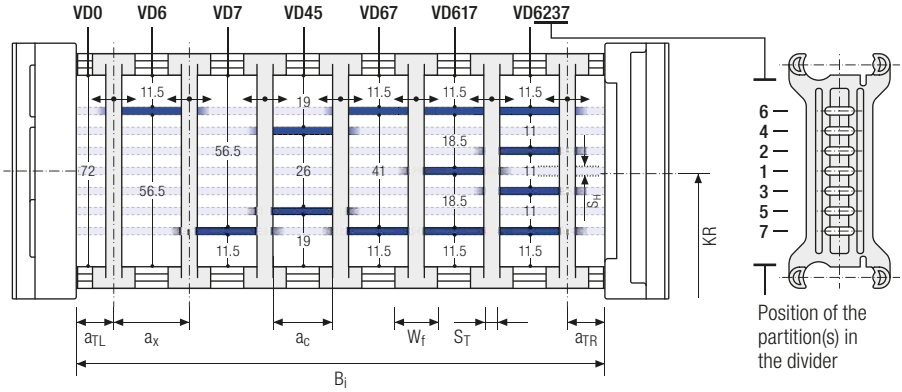
Subject to change.

Divider system TS1 with continuous height separation

Version A							
S_T [mm]	W_f [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{TL}/a_{TR\ max}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
6	16	4	8	25	16	10	2



Position of the partition(s) in the divider



Position of the partition(s) in the divider

Standard height separation with **aluminum profile 11 × 4 mm**.
The dividers can be moved in the cross section.

Chamber width a_c

$a_c = a_x - S_T$

Information on the connection dimensions for the cable carrier can be found on page 146 f.

Subject to change.

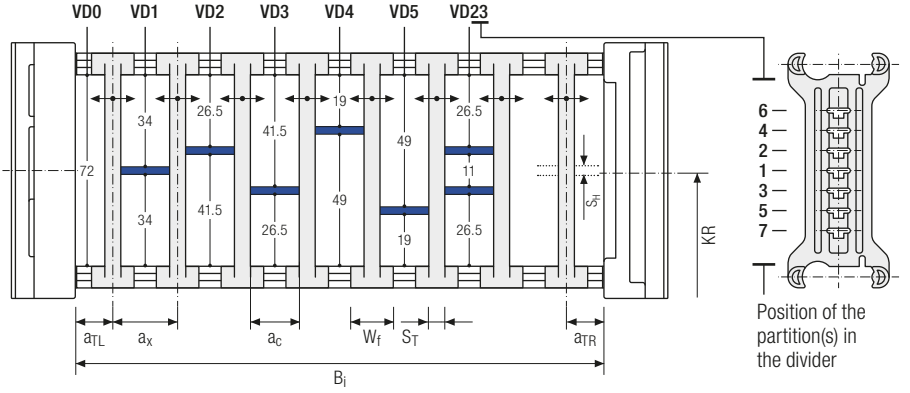
MC1250 RV | Inner Distribution | TS2

Divider system TS2 with partial height separation

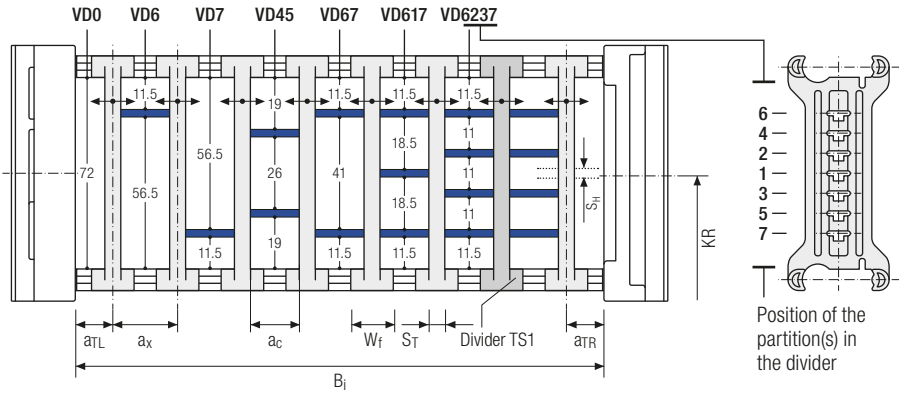
1 mm

Version A						
S_T [mm]	W_f [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
6	16	4	8	16* / 20	10* / 14	2

* For VR0.



Position of the partition(s) in the divider



Position of the partition(s) in the divider

With grid distribution **(1 mm grid)**. Standard height separation with **aluminum profile 11 × 4 mm**. The dividers are attached by the height separation, the grid can be moved in the cross section.
Movable TS1 dividers can be used as an option.

Chamber width a_c

$a_c = a_x - S_T$

Information on the connection dimensions for the cable carrier can be found on page 146 f.

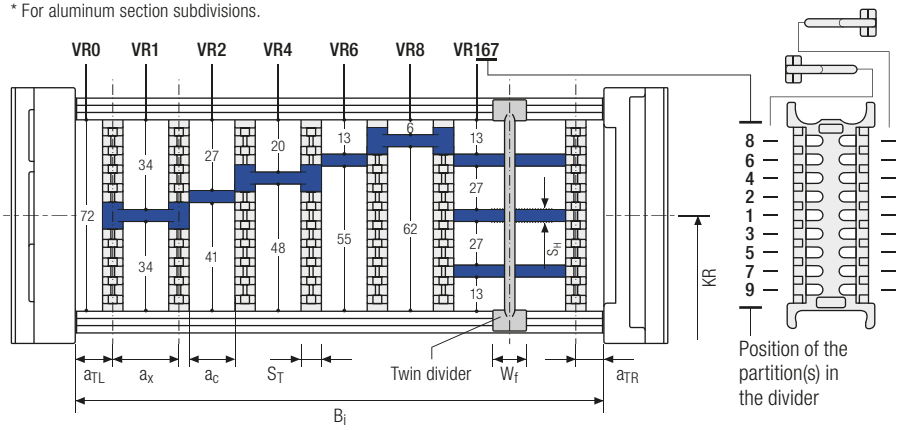
kabelschlepp.de/m-series
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
online-engineer.de Cable Carrier Configurator

Subject to change.

Divider system TS3 with height separation made of plastic section subdivisions

Version A								
S_T [mm]	S_T twin divider [mm]	W_f [mm]	W_f twin divider [mm]	S_H [mm]	a_{TL}/a_{TR} min [mm]	a_x min [mm]	a_c min [mm]	n_T min
8	4	8	13	4	4	16 / 42*	8	2

* For aluminum section subdivisions.



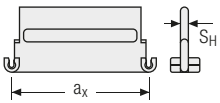
The dividers are fixed by the partitions, the complete divider system is movable in the cross section. Movable twin dividers are optionally available. Twin dividers are also suitable for retrofitting in the section subdivision system.

Chamber width a_c

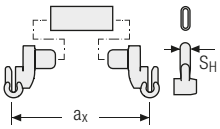
$a_c = a_x - S_T$

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**	**78**	**80**	**88**
8	10	15	20	24	25	30	35	40	50	56	60	70	72	80
96	**112**	**128**	**144**	**160**	**176**	**192**	**208**							
88	104	120	136	152	168	184	200							

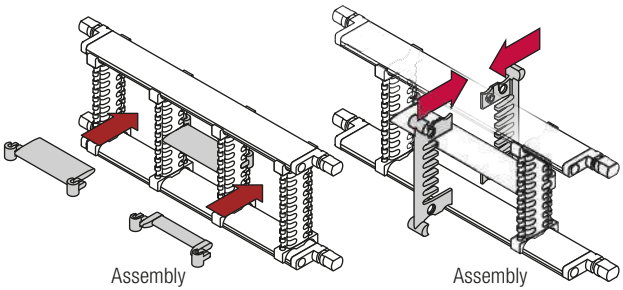
Plastic section subdivisions in a_x increments



Aluminum section subdivisions with plastic adapters in 1 mm increments



When using **section subdivisions with a_x > 112 mm** we recommend an additional center support with a **twin divider.**
The height separations VR8 and VR9 are not possible when using twin dividers. Aluminum section subdivisions are only available with **a_x > 42 mm**.



Assembly section subdivision

Assembly twin divider

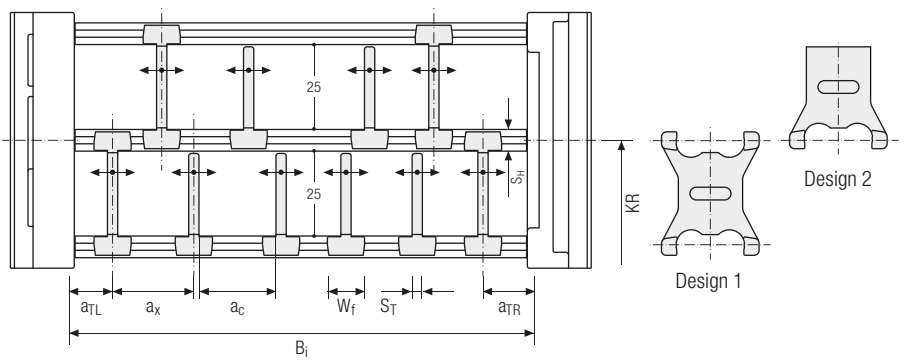
Information on the connection dimensions for the cable carrier can be found on page 146 f.

Subject to change.

MC1250 RV | Inner Distribution | TS4

Divider system TS4 with continuous height separation

Version A						
S_T [mm]	W_f [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
4	14.5	8	7.5	15	11	4



Height separation with **aluminum profile 27 × 8 mm**.
At least 2 half dividers with wrap-around design on both sides (design 1) have to be mounted in the upper and lower chamber near the side band.

Chamber width a_c

$a_c = a_x - S_T$

Information on the connection dimensions for the cable carrier can be found on page 146 f.

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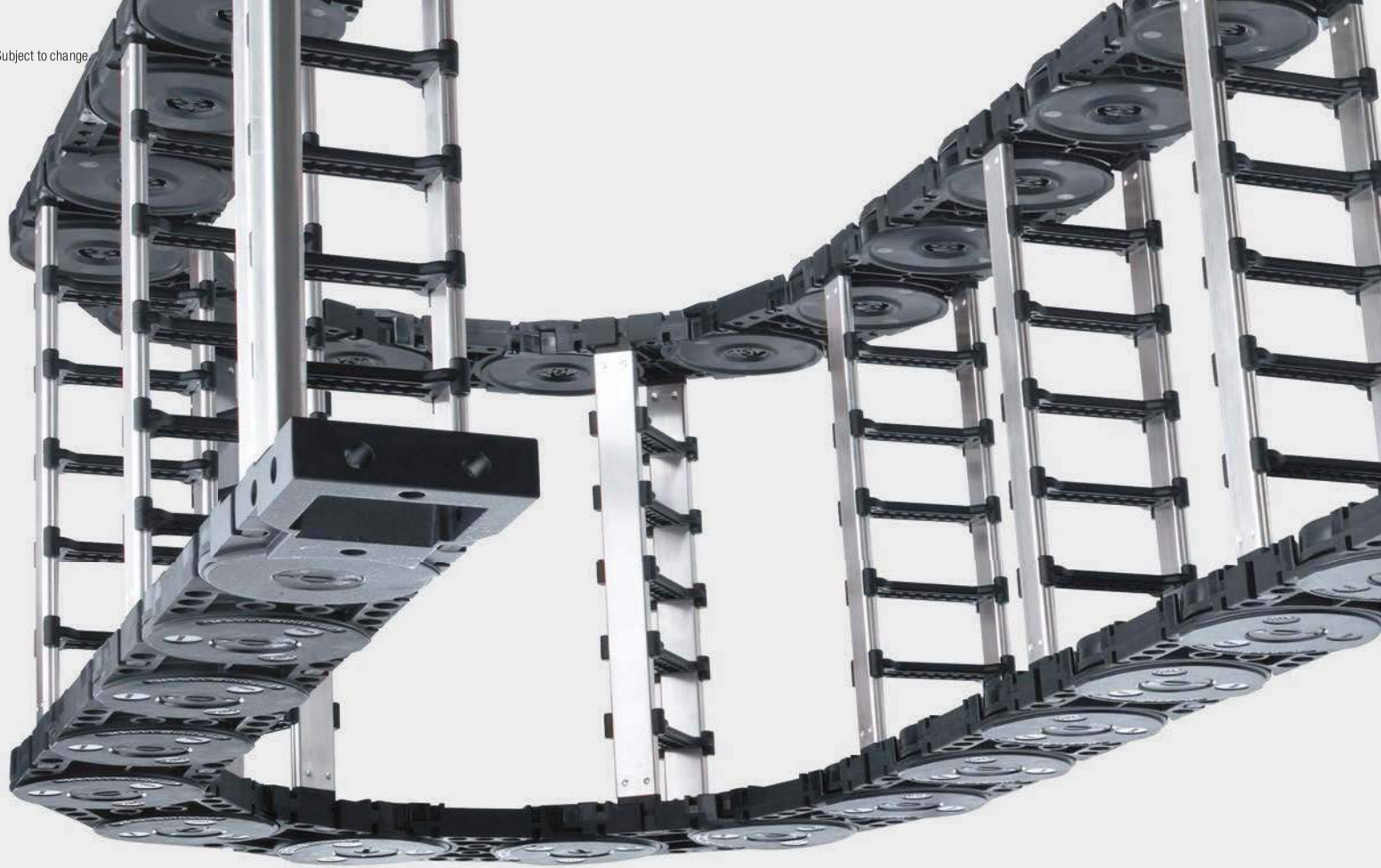
Subject to change.

Subject to change



MC1250 RM | Overview

HEAVY DUTY
TSUBAKI KABELSCHLEPP

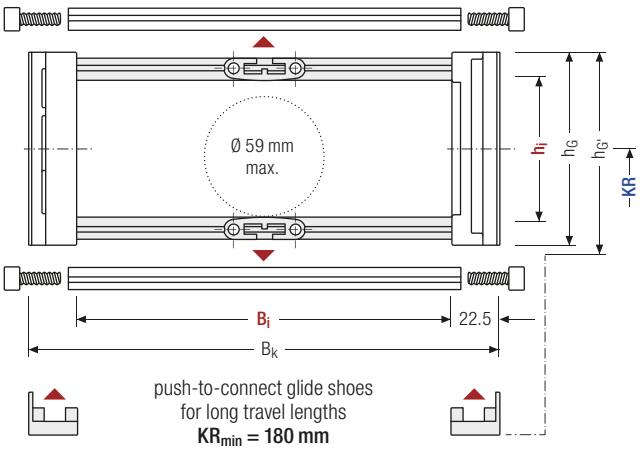
Aluminum stay RM – frame stay solid

- Aluminum profile bars for heavy loads and maximum cable carrier widths. Double screw connection on both sides **"Heavy Duty".**
- Available customized in **1 mm width sections**.
- **Opening options outside/inside**: Screw connection is easy to release.

Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

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



Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 45$ mm

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.

kabelschlepp.de/m-series

Configure your cable carrier: onlineengineer.de

Technical support: technik@kabelschlepp.de

online-engineer.de Cable Carrier Configurator

Subject to change.

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	$h_{G'}$ Offroad [mm]
125	69	96	99,5	103

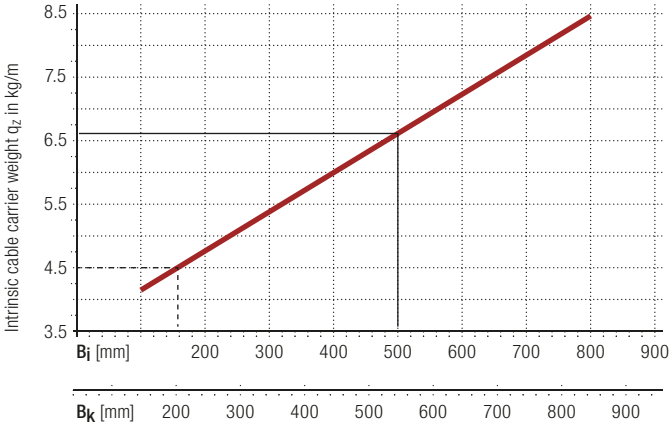
Bend radii

KR [mm]						
180	220	260	300	340	380	500

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
100	145	4.14
150	195	4.45
200	245	4.76
250	295	5.07
300	345	5.38
350	395	5.69
400	445	6.00
450	495	6.31
500	545	6.62
550	595	6.93
600	645	7.24
650	695	7.55
700	745	7.86
750	795	8.17
800	845	8.48

The stated values for B_i are sample values in 50 mm sections.
Stay variant RM is available in **1 mm width sections**.



Reference weight = intrinsic cable carrier weight q_k = 4.5 kg/m
Determined weight

Calculation example

B_i = 500 mm
B_k = 545 mm
q_k = 6.62 kg/m

M series
Inner height 69
Inner width 100 - 800
Increments 1 mm
Key for abbreviated symbols on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 148

Subject to change.

MC1250 RM | Inner Distribution | TS0

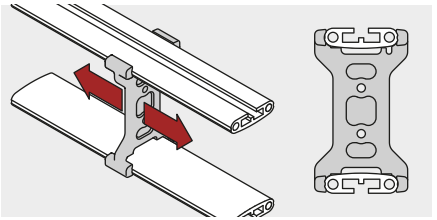
Divider systems

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

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

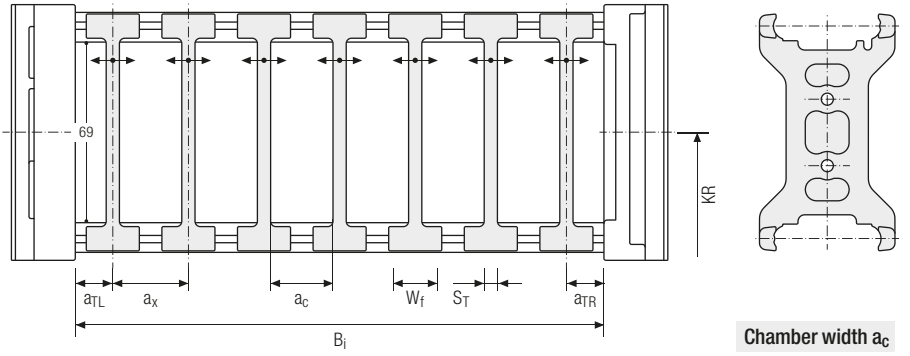
Movable divider

Version A



Divider system TS0 without height separation

Version A				
S_T [mm]	W_f [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]
5	20	10	20	15



Chamber width a_c

$a_c = a_x - S_T$

Order example

TS0	.	A	.	3
Divider system		Version		n_T

Information on the connection dimensions for the cable carrier can be found on page 146 f.

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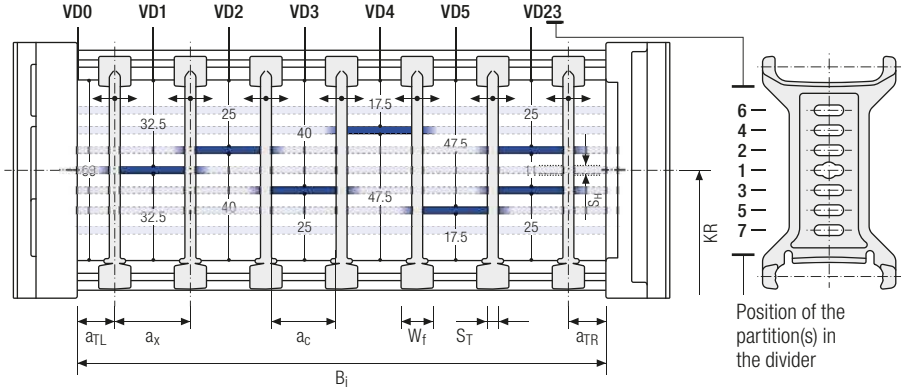
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
online-engineer.de Cable Carrier Configurator

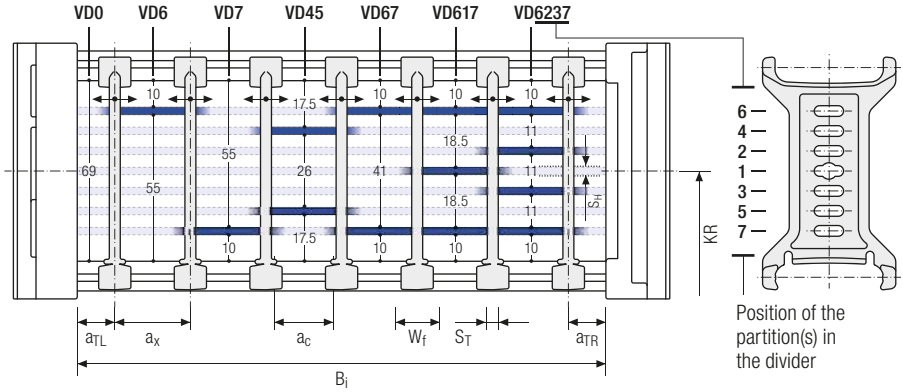
Subject to change.

Divider system TS1 with continuous height separation

Version A							
S_T [mm]	W_f [mm]	S_H [mm]	a_{TL}/a_{TR} min [mm]	a_{TL}/a_{TR} max [mm]	$a_{x\,min}$ [mm]	$a_{c\,min}$ [mm]	$n_{T\,min}$
4	12	4	6	25	12	8	2



Position of the partition(s) in the divider



Position of the partition(s) in the divider

Standard height separation with **aluminum profile 11 × 4 mm**.
The dividers can be moved in the cross section.

Chamber width a_c

$a_c = a_x - S_T$

Information on the connection dimensions for the cable carrier can be found on page 146 f.

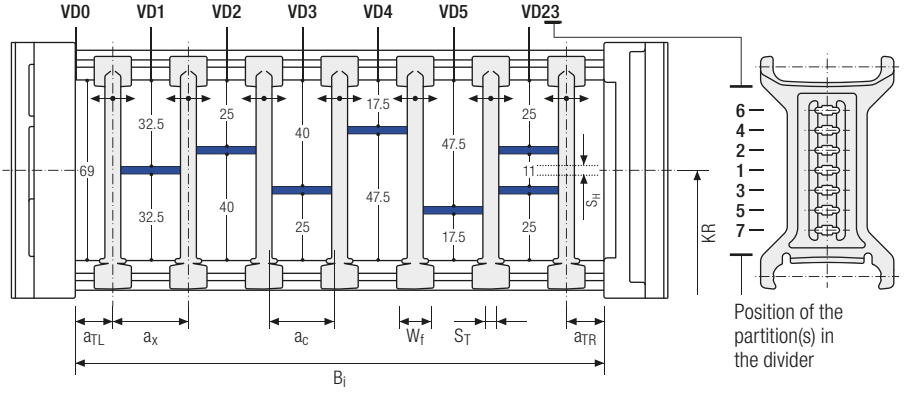
Subject to change.

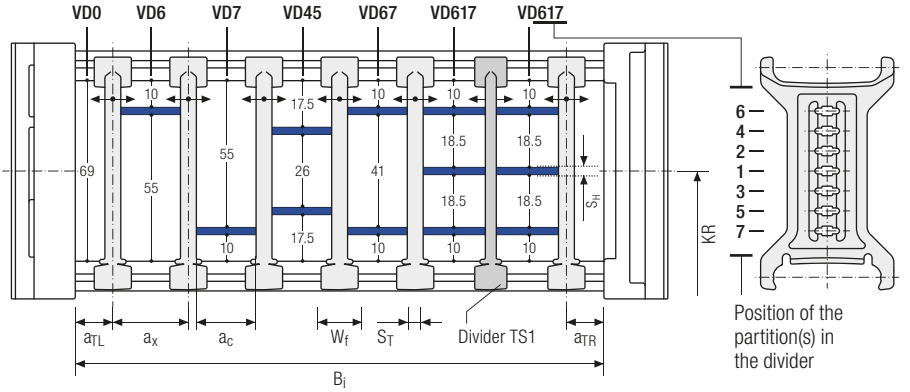
MC1250 RM | Inner Distribution | TS2

Divider system TS2 with partial height separation

1 mm

Version A						
S_T [mm]	W_f [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
6	14	4	7	14	8	2





With grid distribution **(1 mm grid)**. Standard height separation with **aluminum profile 11 × 4 mm**. The dividers are fixed by the height separation, the complete divider system is movable in the cross section. Movable TS1 dividers can be used as an option.

Chamber width a_c

$a_c = a_x - S_T$

Information on the connection dimensions for the cable carrier can be found on page 146 f.

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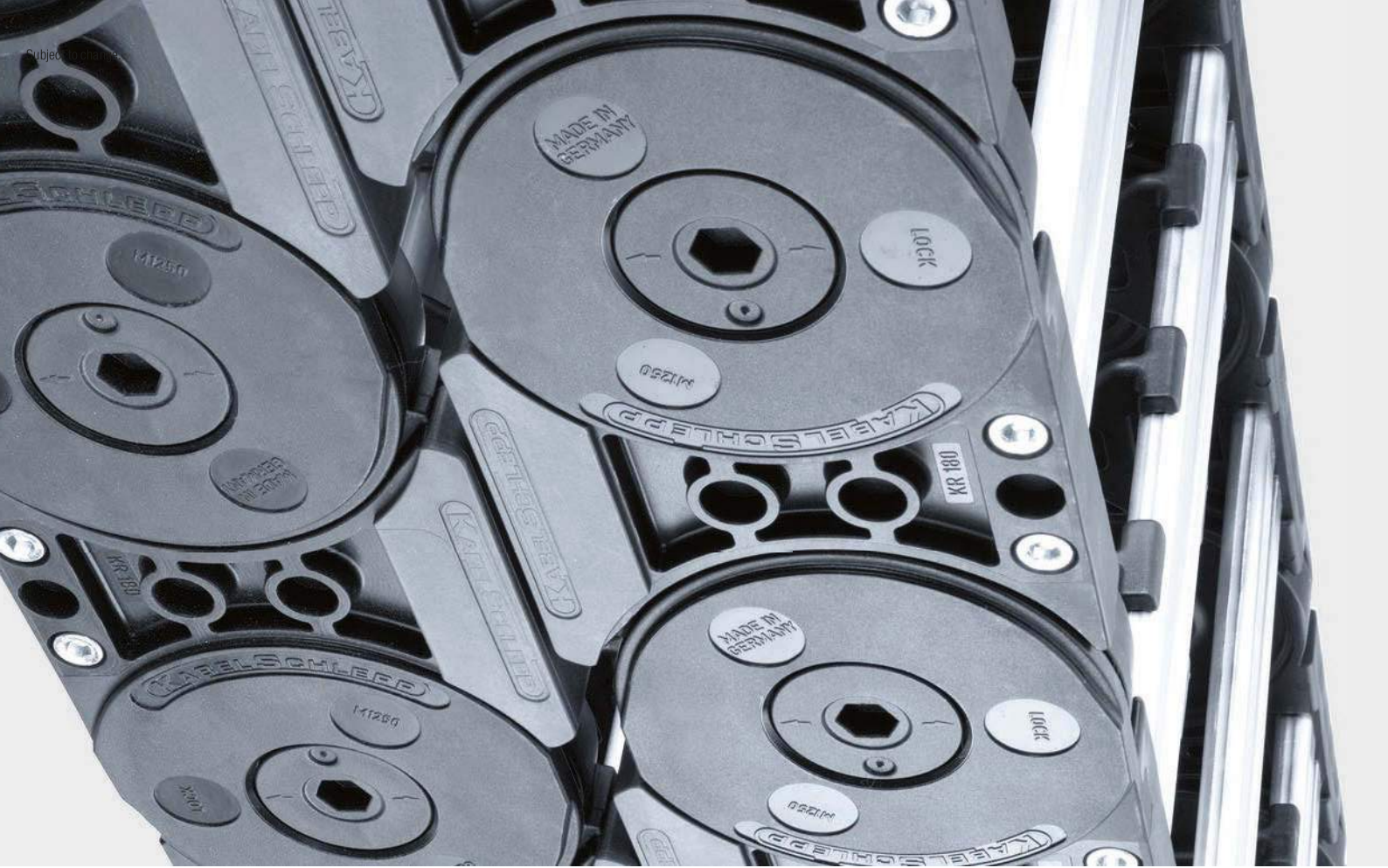
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
online-engineer.de Cable Carrier Configurator
Subject to change.

Subject to change



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Technical support:
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Cable Carrier Configurator

MC1250 LG | Overview

HEAVY DUTY
TSUBAKI KABELSCHLEPP

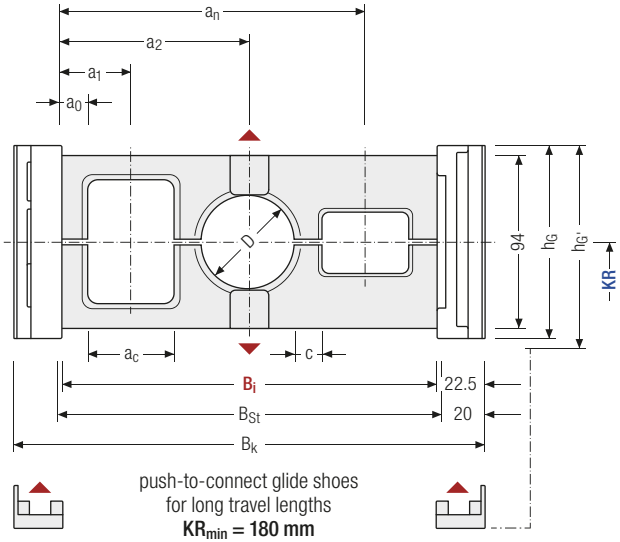
Aluminum stay LG – hole stay, split version

- Optimum cable routing in the neutral bending line. Split version for easy cable routing. Stays also available unsplit.
- Available customized in **1 mm width sections**.
- Order-specific manufacturing of the hole pattern according to your data.
- **Opening options outside/inside**: Screw connection is easy to release.

Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

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



push-to-connect glide shoes
for long travel lengths
KR_{min} = 180 mm

Calculating the cable carrier width

Inner width B_i

$B_i = B_{St} - 5$ mm

Outer width B_k

$B_k = B_{St} + 40$ mm

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

Subject to change.

MC1250 LG | Dimensions · Technical Data

Pitch, chain link height and hole stay dimensions

t [mm]	h_G [mm]	$h_{G'}$ [mm]	$h_{G'}$ Offroad [mm]	D_{max} [mm]	c_{min} [mm]	$a_{c\ min}$ [mm]	$a_{0\ min}$ [mm]
125	96	99,5	103	74	4	12	12

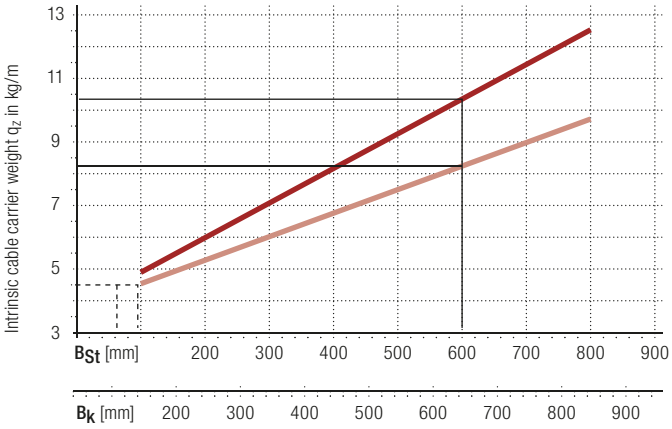
Bend radii

KR [mm]						
180	220	260	300	340	380	500

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_{St} [mm]	B_k [mm]	q_k 40 % [kg/m]	q_k 60 % [kg/m]
100	105	145	4.93	4.57
150	155	195	5.47	4.94
200	205	245	6.02	5.31
250	255	295	6.56	5.68
300	305	345	7.11	6.05
350	355	395	7.66	6.42
400	405	445	8.20	6.79
450	455	495	8.75	7.16
500	505	545	9.29	7.53
550	555	595	9.84	7.90
600	605	645	10.38	8.27
650	655	695	10.93	8.64
700	705	745	11.48	9.02
750	755	795	12.02	9.39
800	805	845	12.57	9.76

The stated values for B_i are sample values in 50 mm sections.
Stay variant LG is available in **1 mm width sections**.



Reference weight = intrinsic cable carrier weight q_k = 4.5 kg/m
Determined weight

Calculation example

B_{St} = 600 mm

B_k = 645 mm
q_k = 10,35 kg/m [40 %]
q_k = 8,24 kg/m [60 %]

Hole stays with 40 % hole ratio
Hole stays with 60 % hole ratio

Inner height
74
Inner width
100 – 800
Increments
1 mm
Key for abbreviated symbols on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 148

Subject to change.

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m-series

Configure your cable carrier:
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Technical support:
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online-engineer.de
Cable Carrier Configurator

MC1250 RMA | Overview

Aluminum stay RMA – mounting frame stay

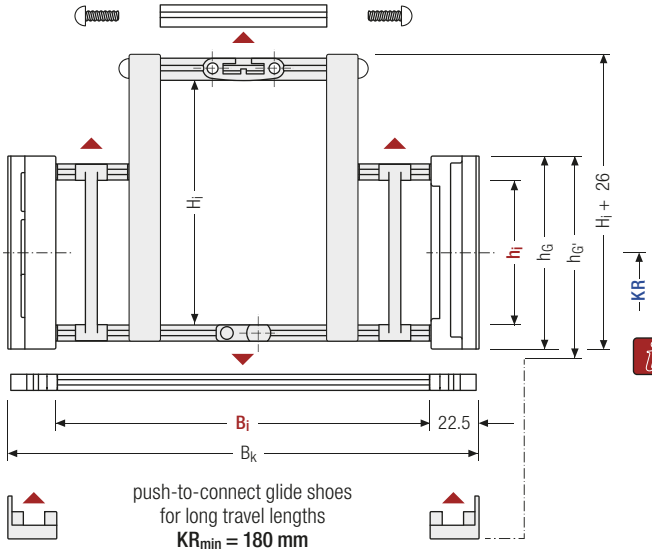
- Aluminum profile bars with plastic mounting frame stays for guiding very large cable diameters.
- The mounting frame stay can be mounted either **inside** or **outside** in the bending radius.
- Available customized in **1 mm width sections**.
- **Opening options outside/inside**: Screw connection is easy to release.

Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

1 mm

B_i from 200 – 800 mm in **1 mm width sections**



push-to-connect glide shoes for long travel lengths
KR_{min} = 180 mm

Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 45$ mm

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

All cable carrier cross sections according to section data in the schematic.

Subject to change.

MC1250 RMA | Dimensions · Technical Data

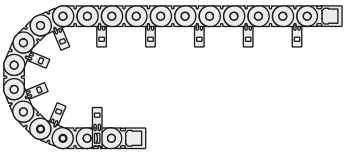
Pitch, inner height and chain link height

t [mm]	h_i [mm]	H_i [mm]	h_G [mm]	$h_{G'}$ [mm]	$h_{G'}$ Offroad [mm]
125	72	130 / 160 / 200	96	99,5	103

Bend radii

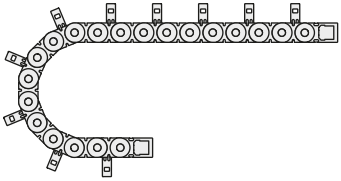
KR [mm]						
180	220	260	300	340	380	500

Assembly variants



RMA 1 – assembly to the inside:
Gliding application is not possible when using assembly version RMA 1.

Observe minimum KR:
H_i = 130 mm: KR_{min} = 180 mm
H_i = 160 mm: KR_{min} = 180 mm
H_i = 200 mm: KR_{min} = 220 mm



RMA 2 – assembly to the outside:
The cable carrier has to rest on the side bands and not on the stays.

Guiding in a **channel is required** for support. Please contact our technical support at technik@kabelschlepp.de to find the corresponding guide channel.

Please note the operating and installation height.

Intrinsic cable carrier weight

Determining the intrinsic cable carrier weight strongly depends on the selected stay arrangement. Please contact us.

TSUBAKI KABELSCHLEPP Technical Support

We would like to support you with complex design parameters. Just make use of our technical consultation service.

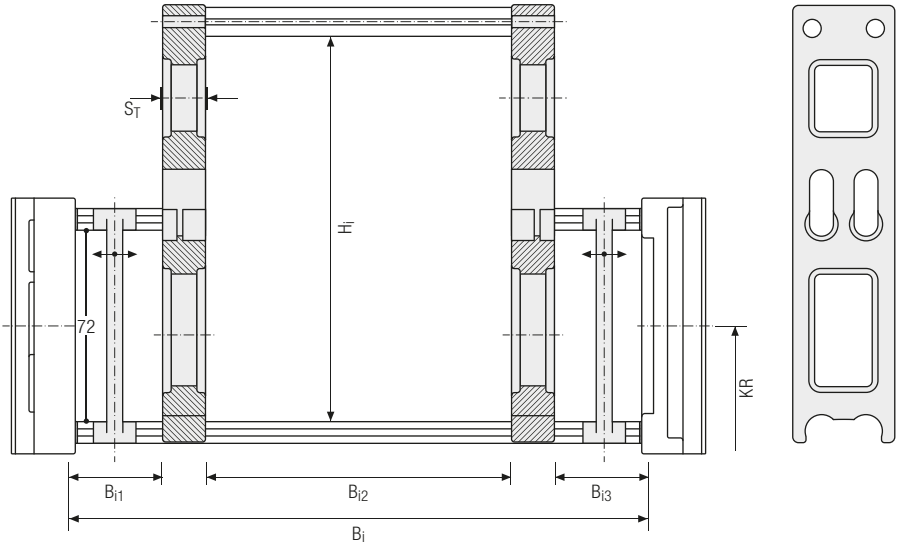
Information on the connection dimensions for the cable carrier can be found on page 146 f.

Subject to change.

MC1250 RMA | Inner Distribution

Inner distribution

S_T [mm]	H_i [mm]	$B_{i1\ min}$ [mm]	$B_{i3\ min}$ [mm]
15	130 / 160 / 200	40	40



TSUBAKI KABELSCHLEPP Technical Support

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Just make use of our technical consultation service.

TRAXLINE cables in motion

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More product information online

Assembly instructions etc.:
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Configure your custom cable carrier:
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m-series

Configure your cable carrier:
onlineengineer.de

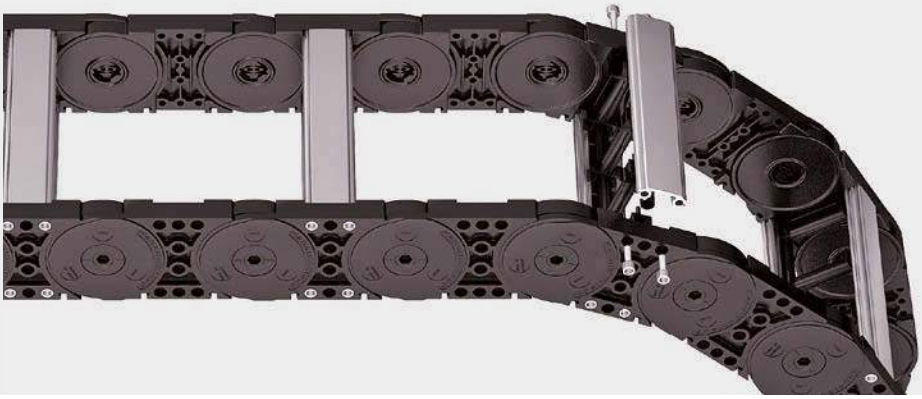
Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

MC1250 RMR | Overview

Aluminum stay RMR – frame rolling stay

- Aluminum profile bars with rotating plastic rolling stay for highest requirements with gentle cable guiding. Double screw connection on both sides.
- Available customized in **1 mm width sections**.
- **Opening options outside/inside**: Screw connection is easy to release.

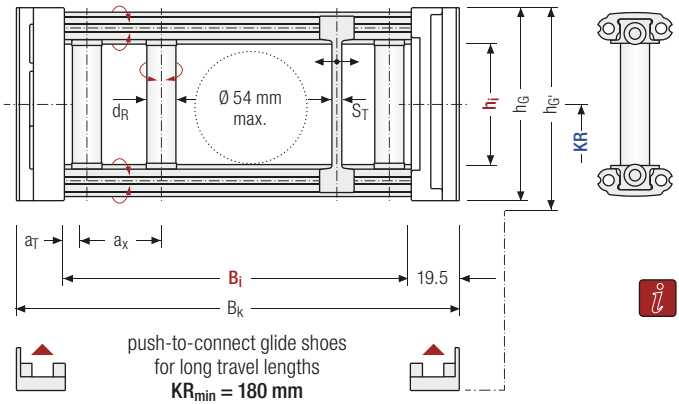


Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

1 mm

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



Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 45$ mm

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.

Subject to change.

Pitch, inner height, chain link height and rolling stay dimensions

t [mm]	h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	$h_{G'}$ Offroad [mm]	d_R [mm]	S_T [mm]	$a_{T\,min}$ [mm]	$a_{x\,min}$ [mm]
125	66	96	99,5	103	10	6	6.5	37

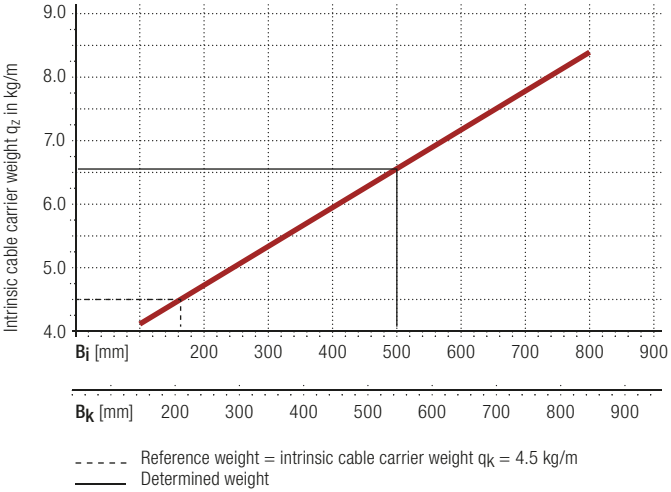
Bend radii

KR [mm]						
180	220	260	300	340	380	500

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
100	145	4.13
150	195	4.44
200	245	4.74
250	295	5.05
300	345	5.35
350	395	5.66
400	445	5.96
450	495	6.26
500	545	6.57
550	595	6.87
600	645	7.18
650	695	7.48
700	745	7.79
750	795	8.09
800	845	8.39

The stated values for B_i are sample values in 50 mm sections.
Stay variant RMR is available in **1 mm width sections**.



Calculation example

B_i	**=**	**500 mm**
B_k	=	545 mm
q_k	=	6.57 kg/m

Subject to change.

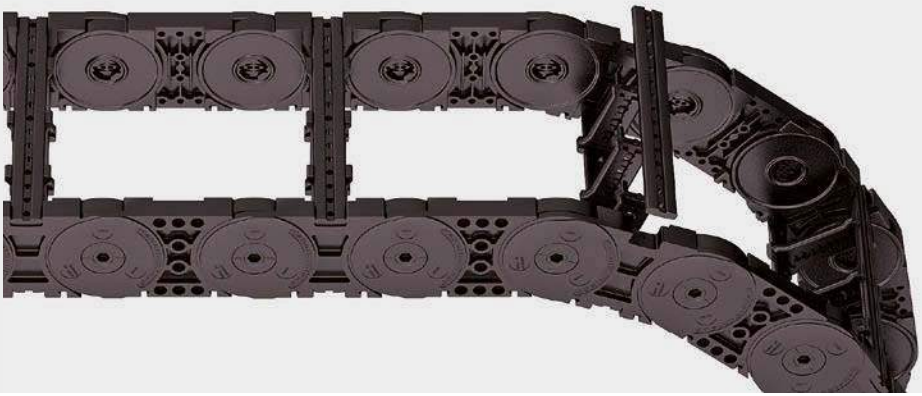
kabelschlepp.de/
m-series

Configure your cable carrier:
onlineengineer.de

ME1250 RE | Overview

Plastic stay RE – frame screw-in stay

- Plastic profile bars for light and medium loads. Assembly without screws.
- Available customized in **16 mm width sections**.
- **Opening options outside/inside:** Release by turning by 90°.

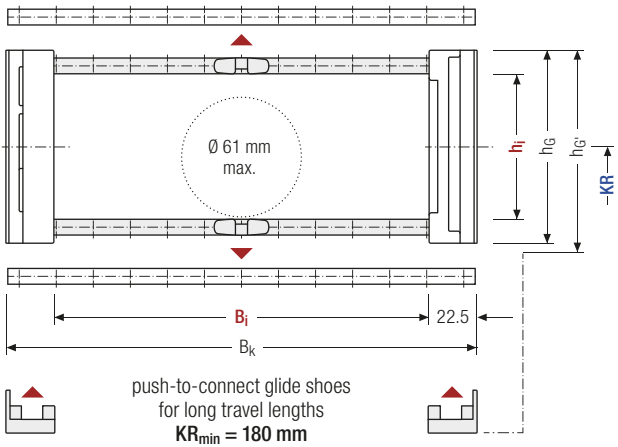


Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

16 mm

B_i from 71 – 551 mm in **16 mm width sections**



Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 45$ mm

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.

Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

Subject to change.

ME1250 RE | Dimensions · Technical Data

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	$h_{G'}$ Offroad [mm]
125	72	96	99,5	103

Bend radii

KR [mm]						
180	220	260	300	340	380	500

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
71	116	4.30
87	132	4.35
103	148	4.40
119	164	4.45
135	180	4.50
151	196	4.55
167	212	4.60
183	228	4.65
199	244	4.70
215	260	4.75
231	276	4.80
247	292	4.85
263	308	4.90
279	324	4.95
295	340	5.00
311	356	5.05
327	372	5.10
343	388	5.15
359	404	5.20
375	420	5.25
391	436	5.30
407	452	5.35
423	468	5.40
439	484	5.45
455	500	5.50
471	516	5.55
487	532	5.60
503	548	5.65
519	564	5.70
535	580	5.75
551	596	5.80

Key for abbreviated symbols on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 148

Subject to change.

kabelschlepp.de/
m-series

Configure your cable carrier:
onlineengineer.de

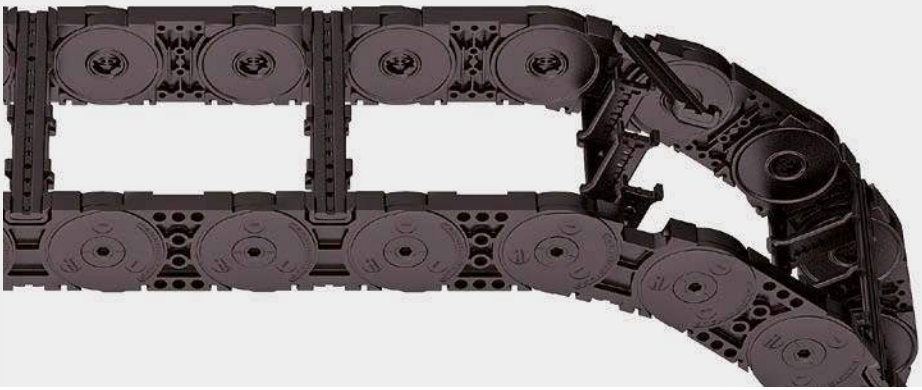
Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

MK1250 RD | Overview

Plastic stay RD – frame stay with hinge

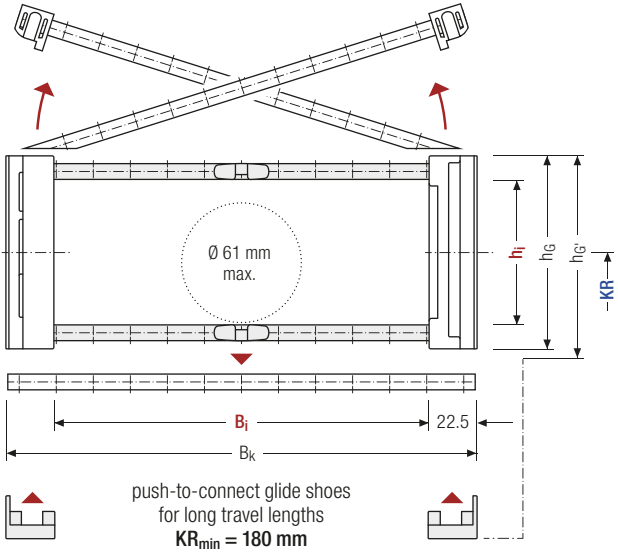
- Plastic profile bars with hinge for light and medium loads. Assembly without screws.
- Available customized in **16 mm width sections**.
- **Opening options**
  outside: Swivable to both sides.
  inside: Release by turning by 90°.



stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

16 mm
B_i from 71 – 551 mm in **16 mm width sections**



push-to-connect glide shoes for long travel lengths
KR_{min} = 180 mm

Calculating the cable carrier width

Outer width B_k

$B_k = B_i + 45$ mm

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.

Subject to change.

MK1250 RD | Dimensions · Technical Data

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]	$h_{G'}$ [mm]	$h_{G'}$ Offroad [mm]
125	72	96	99,5	103

Bend radii

KR [mm]						
180	220	260	300	340	380	500

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
71	116	4.30
87	132	4.35
103	148	4.40
119	164	4.45
135	180	4.50
151	196	4.55
167	212	4.60
183	228	4.65
199	244	4.70
215	260	4.75
231	276	4.80
247	292	4.85
263	308	4.90
279	324	4.95
295	340	5.00
311	356	5.05
327	372	5.10
343	388	5.15
359	404	5.20
375	420	5.25
391	436	5.30
407	452	5.35
423	468	5.40
439	484	5.45
455	500	5.50
471	516	5.55
487	532	5.60
503	548	5.65
519	564	5.70
535	580	5.75
551	596	5.80

Inner height

Inner width

Incre-ments

Key for abbreviated symbols on page 178

Assembly instructions on kabelschlepp.de/assembly

Order key on page 148

Subject to change.

kabelschlepp.de/
m-series

Configure your cable carrier:
onlineengineer.de

Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

ME1250 RE/MK1250 RD | Inner Distribution | TS0

Divider systems

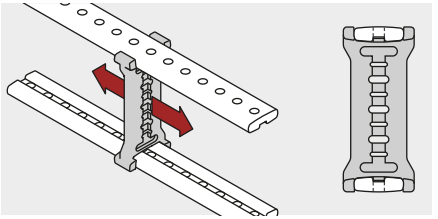
As a standard, the divider system is mounted on each crossbar – for stay mounting on every 2nd chain link (HS).

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

The dividers are easily attached to the stay for applications with lateral acceleration and for applications laying on their side by simply turning the frame stay by 180°. The locking cams click into place in the locking grids in the crossbars **(version B)**. The groove in the frame stay faces outwards.

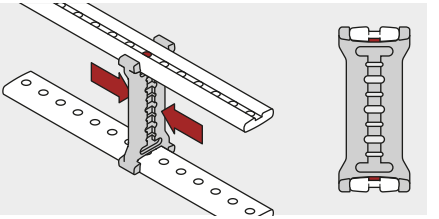
Movable divider

Version A (Standard)



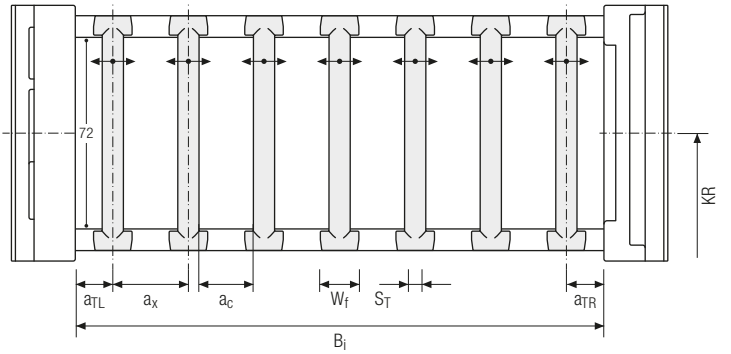
Fixable divider (16 mm grid)

Version B



Divider system TS0 without height separation

S_T [mm]	W_f [mm]	Version A a_{TL}/a_{TR} min [mm]	Version A a_x min [mm]	Version A a_c min [mm]	Version B a_{TL}/a_{TR} min [mm]	Version B a_x min [mm]	Version B a_c min [mm]	Version B a_x grid [mm]
8	14.5	5	14.5	6.5	19.5	16	8	16



Chamber width a_c

$a_c = a_x - S_T$

Order example

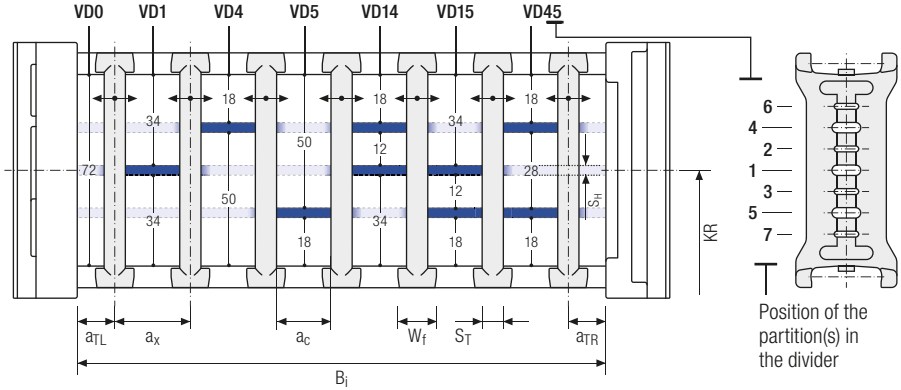
TS0	.	A	.	3
Divider system		Version		n_T

Information on the connection dimensions for the cable carrier can be found on page 146 f.

Subject to change.

Divider system TS1 with continuous height separation

S_T [mm]	W_f [mm]	S_H [mm]	$n_{T\ min}$	Version A: $a_{TL}/a_{TR\ min}$ [mm]	Version A: $a_{x\ min}$ [mm]	Version A: $a_{c\ min}$ [mm]	Version B: $a_{TL}/a_{TR\ min}$ [mm]	Version B: $a_{x\ min}$ [mm]	Version B: $a_{c\ min}$ [mm]	Version B: $a_{x\ grid}$ [mm]
8	14.5	4	2	5	14.5	6.5	19.5	16	8	16



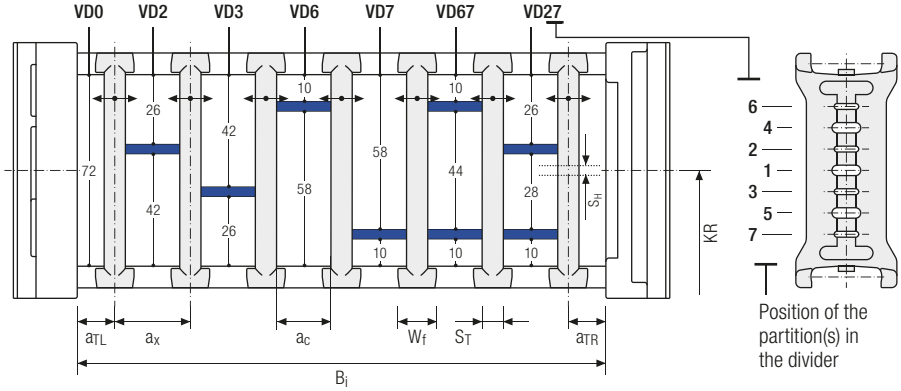
Standard height separation with **aluminum profile 11 × 4 mm**. The dividers can be moved in the cross section.

Divider system TS2 with partial height separation

16 mm

S_T [mm]	W_f [mm]	S_H [mm]	$n_{T\ min}$	Version A: $a_{TL}/a_{TR\ min}$ [mm]	Version A: $a_{x\ min}$ [mm]	Version A: $a_{c\ min}$ [mm]	Version B: $a_{TL}/a_{TR\ min}$ [mm]	Version B: $a_{x\ min}$ [mm]	Version B: $a_{c\ min}$ [mm]	Version B: $a_{x\ grid}$ [mm]
8	14.5	4	2	5	14.5* / 20	6.5* / 12	19.5	16* / 32	8* / 24	16

* For VR0.



With grid distribution **(16 mm grid)**. Standard height separation with **aluminum profile 11 × 4 mm**. The dividers are attached by the height separation, the grid can be moved in the cross section (version A) or fixed (version B).

Chamber width a_c

$a_c = a_x - S_T$

Information on the connection dimensions for the cable carrier can be found on page 146 f.

Subject to change.

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m-series

Configure your cable carrier:
onlineengineer.de

Technical support:
technik@kabelschlepp.de

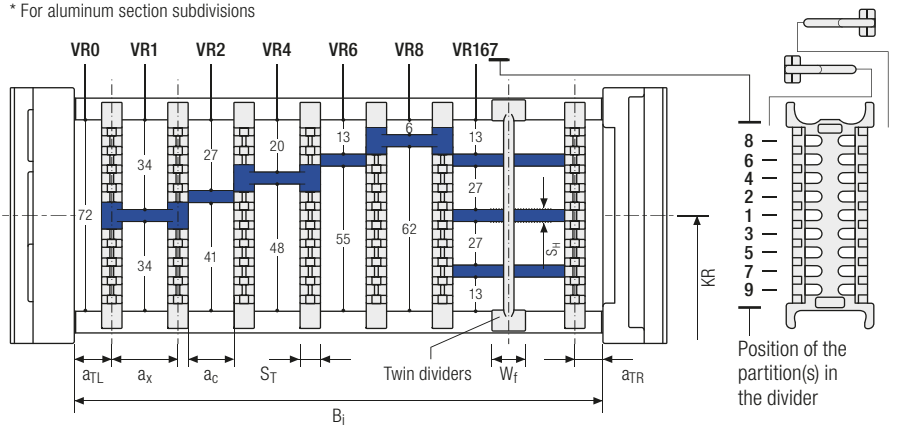
online-engineer.de
Cable Carrier Configurator

ME1250 RE/MK1250 RD | Inner Distribution | TS3

Divider system TS3 with height separation made of plastic section subdivisions

Version A								
S_T [mm]	S_T twin divider [mm]	W_f [mm]	W_f twin divider [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
8	4	8	13	4	4	16 / 42*	8	2

* For aluminum section subdivisions



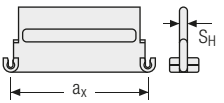
The dividers are fixed by the partitions, the complete divider system is movable in the cross section. Movable twin dividers are optionally available. Twin dividers are also suitable for retrofitting in the section subdivision system.

Chamber width a_c

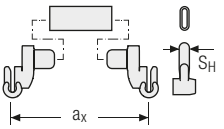
$a_c = a_x - S_T$

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**	**78**	**80**	**88**
8	10	15	20	24	25	30	35	40	50	56	60	70	72	80
96	**112**	**128**	**144**	**160**	**176**	**192**	**208**							
88	104	120	136	152	168	184	200							

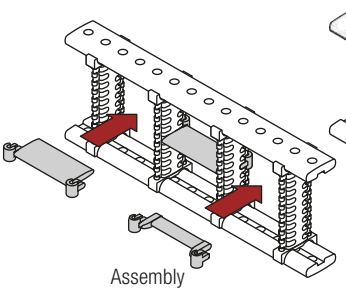
Plastic section subdivisions in a_x increments



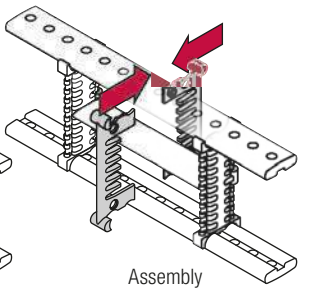
Aluminum section subdivisions with plastic adapters in 1 mm increments



When using **section subdivisions with a_x > 112 mm** we recommend an additional center support with a **twin divider.**
The height separations VR8 and VR9 are not possible when using twin dividers. Aluminum section subdivisions are only available with **a_x > 42 mm**.



Assembly section subdivision



Assembly twin divider

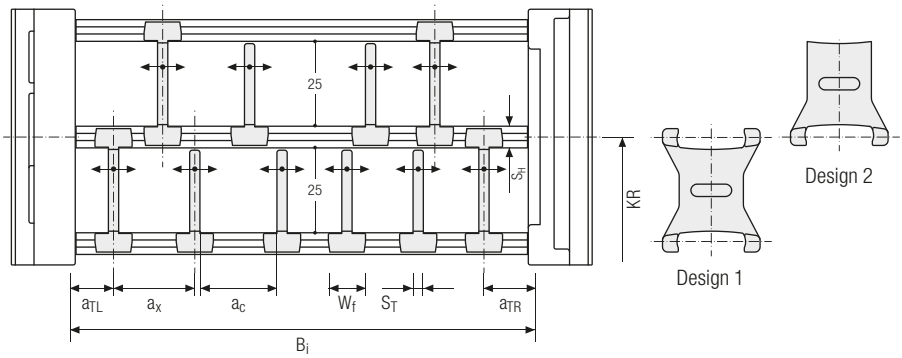
Information on the connection dimensions for the cable carrier can be found on page 146 f.

Subject to change.

ME1250 RE/MK1250 RD | Inner Distribution | TS4

Divider system TS4 with continuous height and partial vertical partitions

Version A						
S_T [mm]	W_f [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
4	14.5	8	5	15	11	4



Height separation with **aluminum profile 27 × 8 mm**.
At least 2 half dividers with wrap-around design on both sides (design 1) have to be mounted in the upper and lower chamber near the side band.

Chamber width a_c

$a_c = a_x - S_T$

Information on the connection dimensions for the cable carrier can be found on page 146 f.

TOTALTRAX complete systems

Benefit from the advantages of a TOTALTRAX complete system. Complete delivery from a single source – with a guarantee certificate on request! Learn more at **kabelschlepp.de/totaltrax**

TRAXLINE cables in motion

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

More product information online

Assembly instructions etc.: Receive additional info via your smartphone or check online at **kabelschlepp.de/support**

Configure your custom cable carrier: **onlineengineer.de**

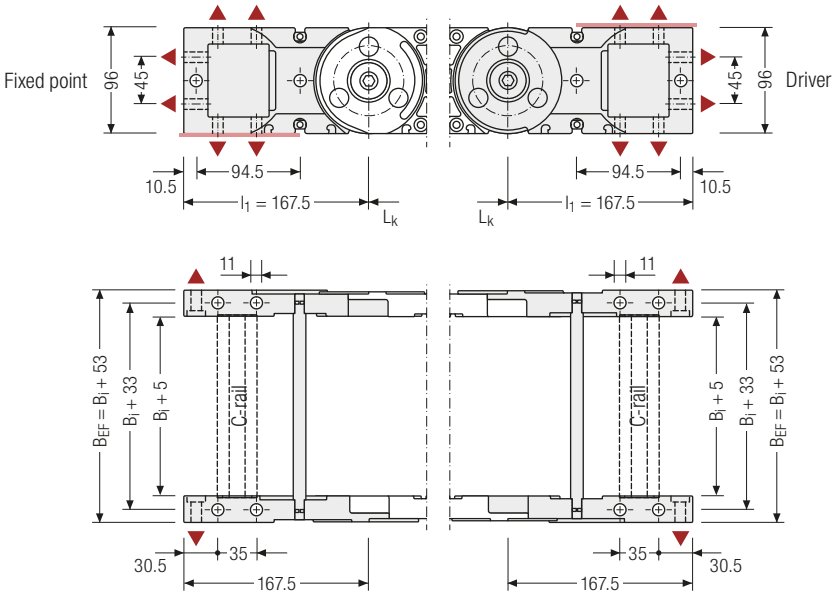
Inner height
72
Inner width
71 – 551
Increments
16 mm
Key for abbreviated symbols on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 148

Subject to change.

M1250 | End Connectors | UMB

Universal end connectors UMB – plastic (standard)

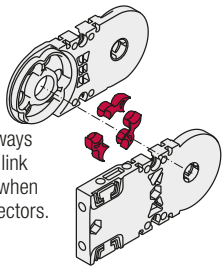
The universal mounting brackets (UMB) are made from plastic and can **be mounted from the top, from the bottom, face on or from the side.**



▲ Assembly options

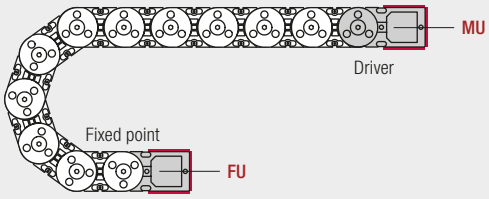
Optional with C-rail for holding strain relief elements.

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



As a standard, we always supply the first chain link with KR determining when using UMB end connectors.

Connection variants



Connection point
F – fixed point
M – driver

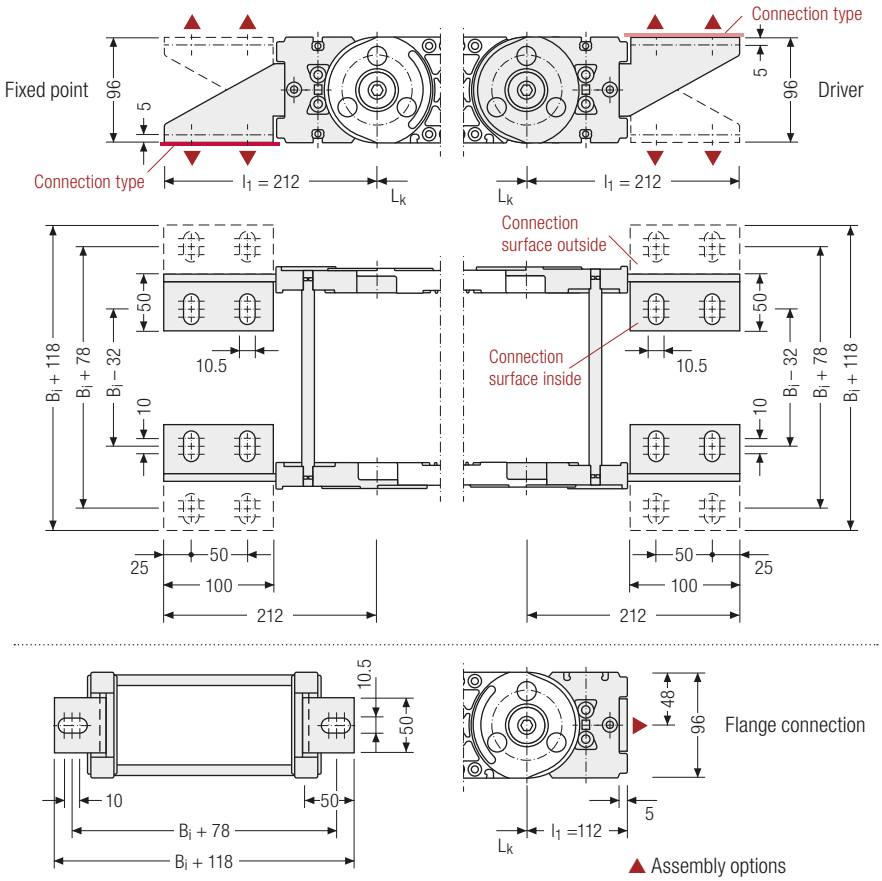
Connection type
U – universal mounting bracket

Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
kabelschlepp.de/m-series
online-engineer.de Cable Carrier Configurator

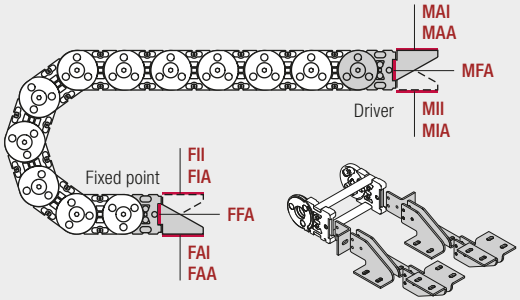
Subject to change.

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 subsequently.



Connection variants



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

Subject to change.

M1250 | Order Key

Order

Cable carrier

Type	B_i [mm]	Stay variant	KR [mm]	L_k [mm]	Stay arrangement
		RS			
		RV	140		
		RM	170		
		LG	200		
		RMA	260		
MC1250	71	RMR	290		
ME1250	…	RD	320		HS
MK1250	800	RE	380		VS

MC1250	.	530	.	RM	.	260	-	4250		HS
Type		B_i [mm]		Stay variant		KR [mm]		L_k [mm]		Stay arrangement

Caution: Not all combinations are possible. Please note the information on the individual stay variants. When using stay variant LG, please provide dimension B_{St} instead of B_i.

International order specification INTOK: Information can be found in the chapter "International Order Key" from p. 1.

Divider system

Divider system	Version	n_T	Chamber	a_x [mm]	Height separation (not for TS0)
TS0					
TS1					
TS2			K1		VD0
TS3	A	min. 2	K2	min. 14	VD1
TS4	B	…	…	…	…

TS3	.	A	.	3	.	K1	.	34	-	VD1
						⋮		⋮		⋮
					.	K5	.	38	-	VD3
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].

If using divider systems with height separation **(TS1 – TS4)** please also state the positions [e.g. VD23] viewed from the left carrier belt. If using the divider system **TS3**, please also state the required twin dividers. You are welcome to add a sketch to your order.

Connection

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

Plastic/steel	.	F	A	A
Plastic/steel	.	M	U	

Please state the desired connection variant as well as the desired strain relief type for the fixed point and for the driver.

Subject to change.

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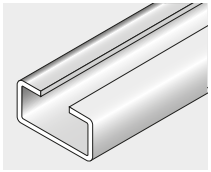
Technical support: technik@kabelschlepp.de
online-engineer.de Cable Carrier Configurator

Accessories

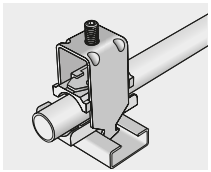
C-rails for strain relief elements

The optional C-rails are secured by the UMB end connectors and do not require separate screw connections.



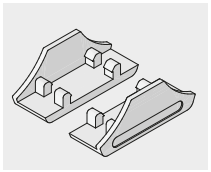
LineFix clamps

LineFix clamps are fixed to the C-rail. The serve as a separate strain relief or separate attachment of the cables outside the cable carrier.



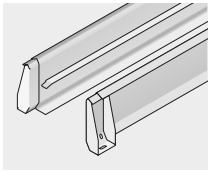
Gliding elements

The optional glide shoes ensure a substantially longer service life of the cable carrier in gliding operation.



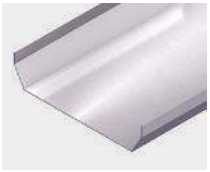
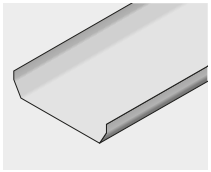
Guide channels

The cable carrier always has to be guided in a channel for gliding applications. This prevents the upper and lower run from slipping.



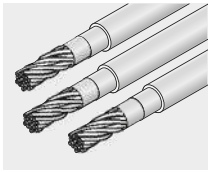
Support trays

An even surface is required for safe unrolling of the cable carrier. This is ensured by a support tray.

TRAXLINE cables in motion

Hi-flex electric cables which were especially developed, optimized and tested for use in cable carriers.

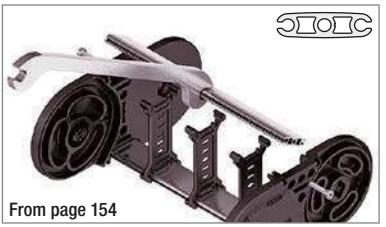


Subject to change.

M1300

Stay variants

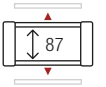
Aluminum stay RMF



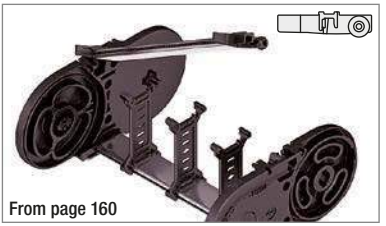
From page 154

Frame stay solid
- Aluminum profile bars for heavy loads and large cable carrier widths. Easy screw connection.
- Available customized in **1 mm width sections**.

Opening options
inside/outside: Screw connection is easy to release.



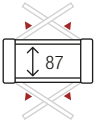
Aluminum stay RMS



From page 160

Frame stay solid with ball joint
- Aluminum profile bars with plastic ball joint for heavy loads and large cable carrier widths. Assembly without screws.
- Swivable and detachable on both sides in any position.
- Available customized in **1 mm width sections**.

Opening options
inside/outside: Swivable and detachable.



Technical data on page 152

Subject to change.

M1300 | Stay Variants | Overview

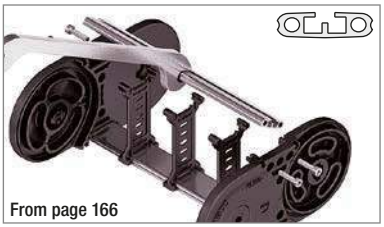
Pitch
130 mm

Height
87 – 92 mm

Width
100 – 800 mm

Bending radius
150 – 500 mm

Aluminum stay RM

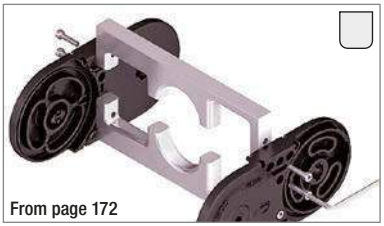


From page 166

Frame stay solid
- Aluminum profile bars for heavy loads and maximum cable carrier widths. Double screw connections on both sides **"Heavy Duty"**.
- Available customized in **1 mm width sections**.

Opening options
inside/outside: Screw connection is easy to release.

Aluminum stay LG



From page 172

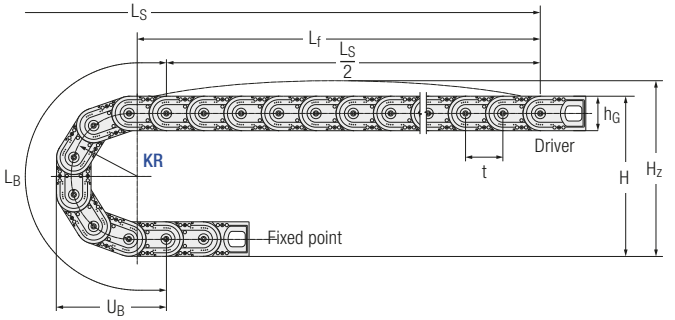
Hole stay, split version
- Optimum cable routing in the neutral bending line. Split version for easy cable routing. Stays also available unsplit.
- Available customized in **1 mm width sections**.

Opening options
inside/outside: Screw connection is easy to release.

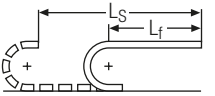
Subject to change.

M1300 | Installation Dimensions | Unsupported

Unsupported arrangement



Unsupported length L_f



A sagging of the cable carrier is technically permitted for extended travel lengths, depending on the specific application.

Dynamics of unsupported arrangement		t
v_{max} [m/s]	a_{max} [m/s²]	[mm]
5	25	130

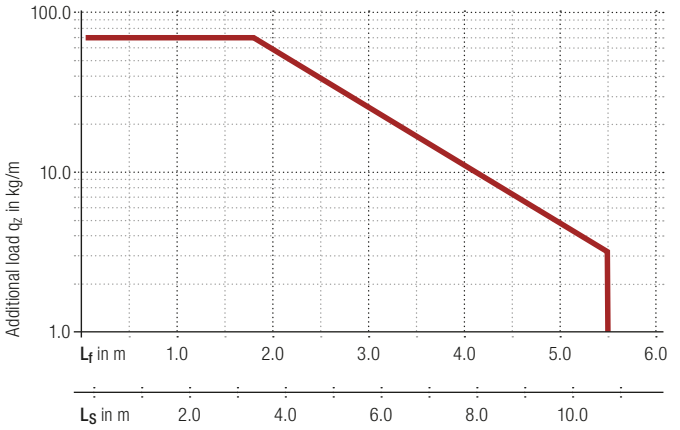
Installation dimensions unsupported

KR [mm]	H [mm]	H_Z [mm]	L_B [mm]	U_B [mm]
150	480	540	732	340
195	570	630	873	385
240	660	720	1,014	430
280	740	800	1,140	470

KR [mm]	H [mm]	H_Z [mm]	L_B [mm]	U_B [mm]
320	820	880	1,266	510
360	900	960	1,391	550
400	980	1,040	1,517	590
500	1,180	1,240	1,831	690

Load diagram

for unsupported length depending on additional load



Intrinsic cable carrier weight q_k = 8.0 kg/m. The maximum additional load decreases if this value is exceeded.

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

Unsupported length L_f

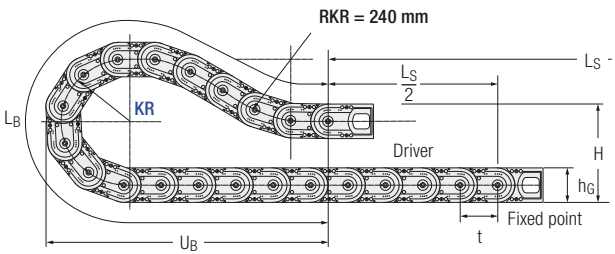
$$L_f = \frac{L_S}{2} + t$$

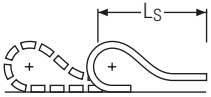
Fixed point offset L_v:
For off-center fixed point connections please contact us.

Subject to change.

kabelschlepp.de/m
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
online-engineer.de Cable Carrier Configurator

Gliding arrangement





For more information on gliding arrangement please contact us.

Glide shoes are required for gliding applications.

Dynamics of gliding arrangement		t
v_{max} [m/s]	a_{max} [m/s²]	[mm]
5	20	32

Installation dimensions gliding with RKR links

KR [mm]	H [mm]	n_{RKR}	L_B [mm]	U_B [mm]
240	360	2	2,730	1,180
280	360	3	2,860	1,235
320	360	3	2,860	1,231

KR [mm]	H [mm]	n_{RKR}	L_B [mm]	U_B [mm]
360	360	3	3,250	1,381
400	360	3	3,510	1,469
500	360	3	4,290	1,748

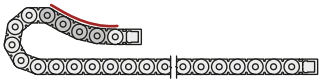
Connection height H is standard. Please contact us if you require other connection heights H. We will be happy to advise you. Optionally, the OnlineEngineer is always available for the calculation.

GO module with chain links optimised for gliding

The GO module mounted on the driver is a defined sequence of 4 different KR/RKR link plates. Faster and more controlled placing of the upper run on the lower run as well as a smaller station in the thrust end position are ensured. A support plate on the driver is not necessary. The GO module is always assembled fully-stayed.

Pull position

Push position



$L_{S\,max}$ [m]	H [mm]	v_{max} [m/s]	a_{max} [m/s]
120	360	2	2 – 3

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

M series
Inner height 87 – 92
Inner width 100 – 800
Key for abbreviations on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 148

Subject to change.

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

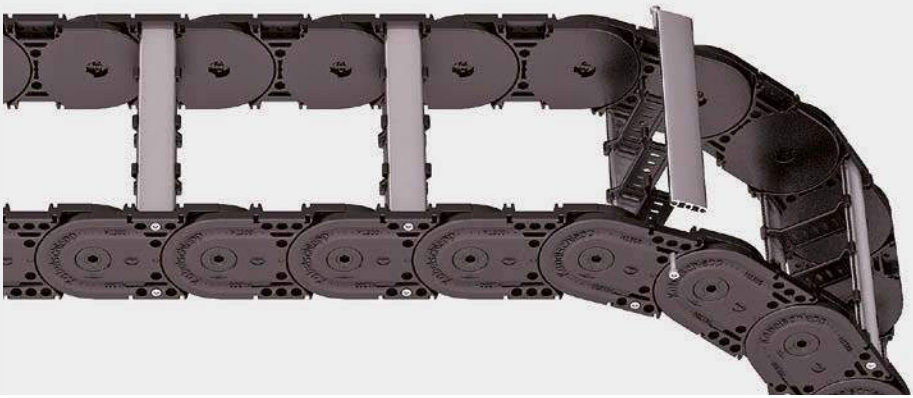
Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

MC1300 RMF | Overview

Aluminum stay RMF – frame stay solid

- Aluminum profile bars for heavy loads and large cable carrier widths. Easy screw connection.
- Available customized in **1 mm width sections**.
- **Opening options outside/inside**: Screw connection is easy to release.

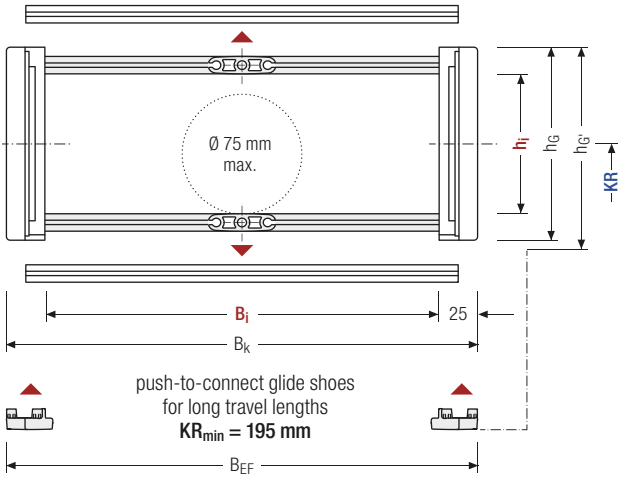


Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

1 mm

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



Calculating the cable carrier width

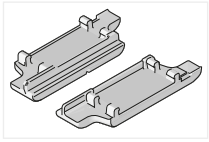
Outer width B_k

$B_k = B_i + 50$ mm

Total width B_{EF}

$B_{EF} = B_k$

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



Replaceable glide shoes

Subject to change.

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]	$h_{G'}$ [mm]
130	87	120	127.5

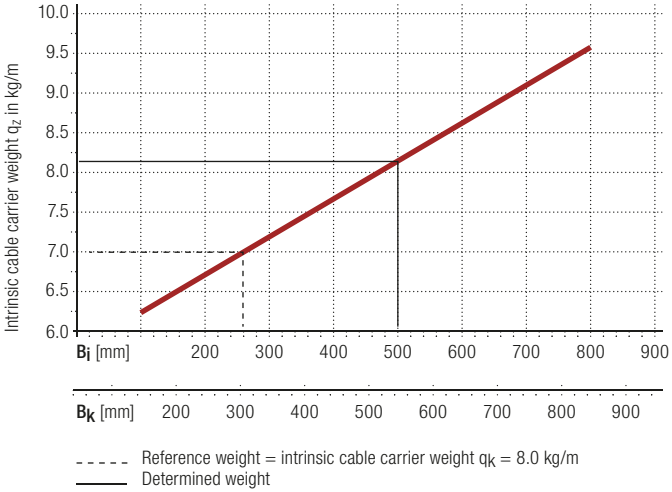
Bend radii

KR [mm]							
150	195	240	280	320	360	400	500

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
100	150	6.24
150	200	6.48
200	250	6.72
250	300	6.96
300	350	7.20
350	400	7.44
400	450	7.68
450	500	7.92
500	550	8.15
550	600	8.39
600	650	8.63
650	700	8.87
700	750	9.11
750	800	9.35
800	850	9.59

The stated values for B_i are sample values in 50 mm sections.
Stay variant RMF is available in **1 mm width sections**.



Reference weight = intrinsic cable carrier weight q_k = 8.0 kg/m
Determined weight

Calculation example

B_i = 500 mm

B_k = 550 mm
q_k = 8.15 kg/m

Subject to change.

MC1300 RMF | Inner Distribution | TS0

Divider systems

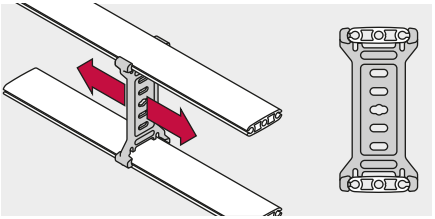
As a standard, the divider system is mounted on each crossbar – for stay mounting on every 2nd chain link (HS).

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

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

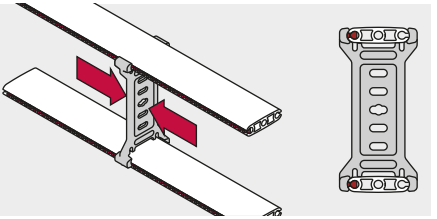
Movable divider

Version A (Standard)



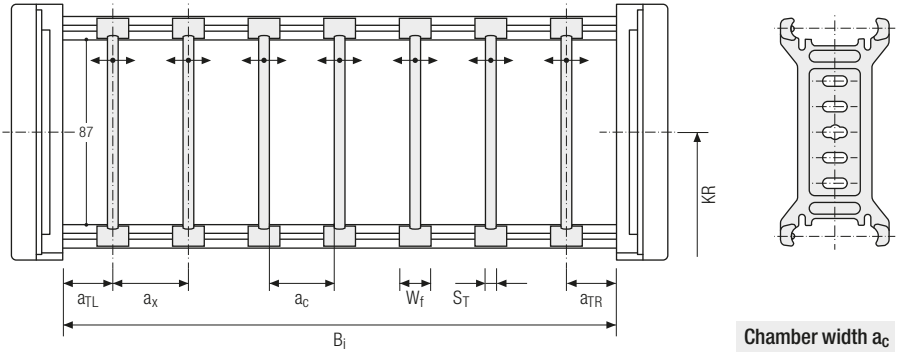
Fixable divider (5 mm grid)

Version B



Divider system TS0 without height separation

S_T [mm]	W_f [mm]	Version A $a_{TL}/a_{TR\ min}$ [mm]	Version A $a_{x\ min}$ [mm]	Version A $a_{c\ min}$ [mm]	Version B $a_{TL}/a_{TR\ min}$ [mm]	Version B $a_{x\ min}$ [mm]	Version B $a_{c\ min}$ [mm]	Version B $a_{x\ grid}$ [mm]
5	15	7.5	15	10	10	15	10	5



Chamber width a_c

$a_c = a_x - S_T$

Order example

TS0	.	A	.	3
Divider system		Version		n_T

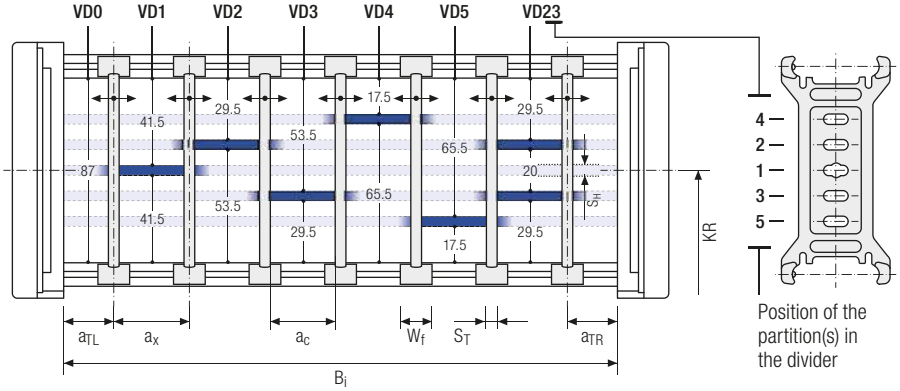
Information on the connection dimensions for the cable carrier can be found on page 174 f.

Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
kabelschlepp.de/m
online-engineer.de Cable Carrier Configurator
Subject to change.

MC1300 RMF | Inner Distribution | TS1

Divider system TS1 with continuous height separation

S_T [mm]	W_f [mm]	S_H [mm]	$n_{T\ min}$	Version A: $a_{T\ min}$ [mm]	Version A: $a_{T\ max}$ [mm]	Version A: $a_{x\ min}$ [mm]	Version A: $a_{c\ min}$ [mm]	Version B: $a_{T\ min}$ [mm]	Version B: $a_{T\ max}$ [mm]	Version B: $a_{x\ min}$ [mm]	Version B: $a_{c\ min}$ [mm]	Version B: $a_{x\ grid}$ [mm]
5	15	4	2	7.5	25	15	10	10	25	15	10	5



Standard height separation with **aluminum profile 11 × 4 mm**. The dividers can be moved in the cross section.

Chamber width a_c

$a_c = a_x - S_T$

TOTALTRAX® complete systems

Benefit from the advantages of a TOTALTRAX® complete system. Complete delivery from a single source – with a guarantee certificate on request! Learn more at **kabelschlepp.de/totaltrax**

TRAXLINE® cables in motion

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

More product information online

Assembly instructions etc.: Receive additional info via your smartphone or check online at **kabelschlepp.de/support**

Configure your custom cable carrier: **onlineengineer.de**

Information on the connection dimensions for the cable carrier can be found on page 174 f.

Inner height 87
Inner width 100 - 800
Increments 1 mm
Key for abbreviated symbols on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 176

Subject to change.

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

Technical support:
technik@kabelschlepp.de

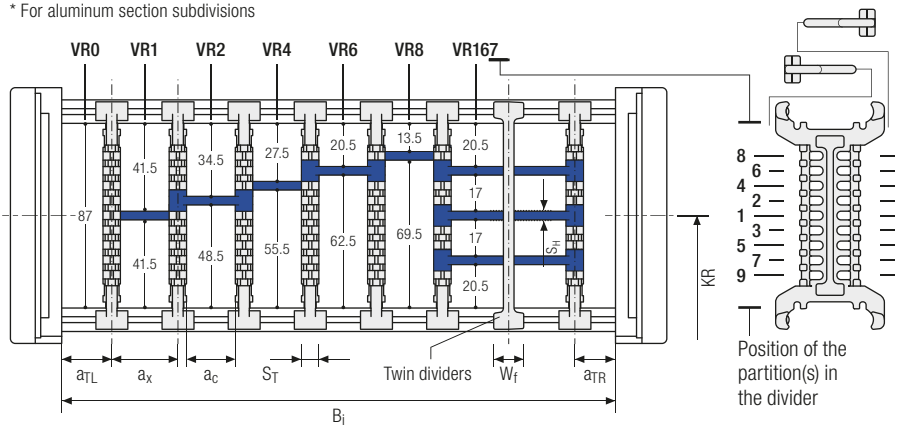
online-engineer.de
Cable Carrier Configurator

MC1300 RMF | Inner Distribution | TS3

Divider system TS3 with height separation made of plastic section subdivisions

Version A								
S_T [mm]	S_T twin divider [mm]	W_f [mm]	W_f twin divider [mm]	S_H [mm]	a_{TL}/a_{TR} min [mm]	a_x min [mm]	a_c min [mm]	n_T min
8	5	15	14	4	7.5	16 / 42*	8	2

* For aluminum section subdivisions



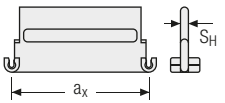
The dividers are fixed by the partitions, the complete divider system is movable in the cross section. Movable twin dividers are optionally available. Twin dividers are also suitable for retrofitting in the section subdivision system.

Chamber width a_c

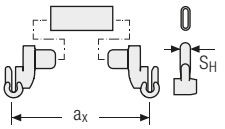
$a_c = a_x - S_T$

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**	**78**	**80**	**88**
8	10	15	20	24	25	30	35	40	50	56	60	70	72	80
96	**112**	**128**	**144**	**160**	**176**	**192**	**208**							
88	104	120	136	152	168	184	200							

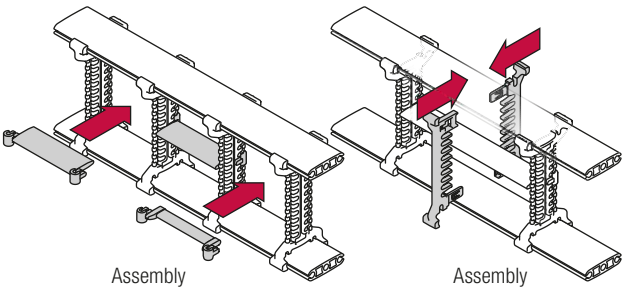
Plastic section subdivisions in a_x increments



Aluminum section subdivisions with plastic adapters in 1 mm increments



When using **section subdivisions with a_x > 112 mm** we recommend an additional center support with a **twin divider.**
The height separations VR8 and VR9 are not possible when using twin dividers. Aluminum section subdivisions are only available with **a_x > 42 mm**.

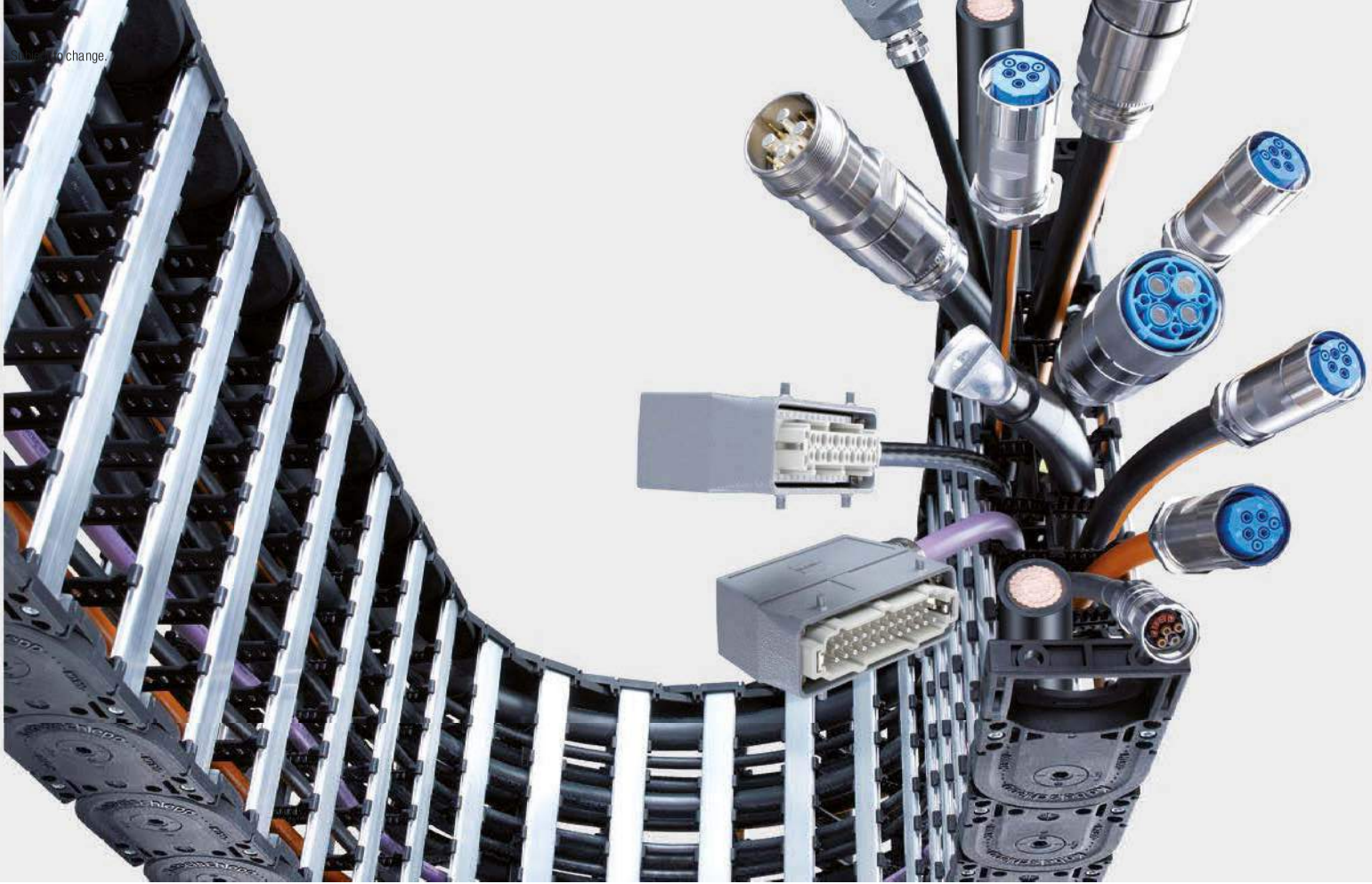


Assembly section subdivision

Assembly twin divider

Information on the connection dimensions for the cable carrier can be found on page 174 f.

Subject to change.



kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

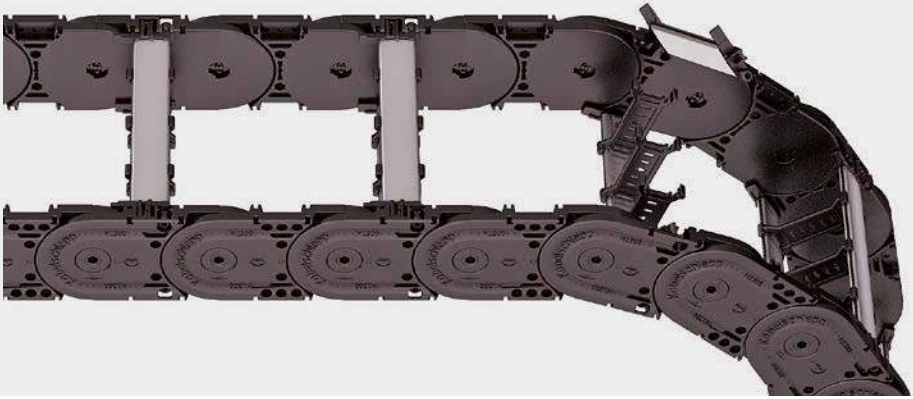
Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

MC1300 RMS | Overview

Aluminum stay RMS – frame stay reinforced

- Aluminum profile bars with plastic ball joint for heavy loads and large cable carrier widths. Assembly without screws.
- Swivable and detachable on both sides in any position.
- Available customized in **1 mm width sections**.
- **Opening options outside/inside**: Swivable and detachable.

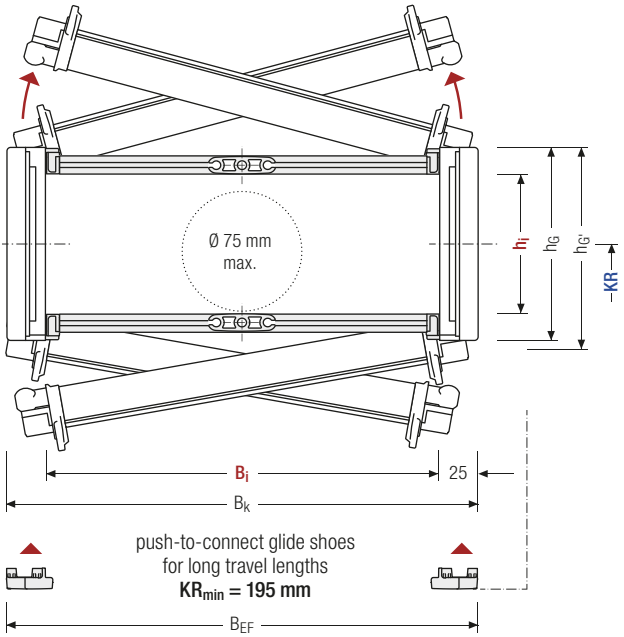


Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

1 mm

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



Calculating the cable carrier width

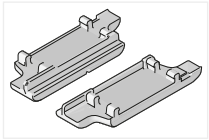
Outer width B_k

$B_k = B_i + 50$ mm

Total width B_{EF}

$B_{EF} = B_k$

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



Replaceable glide shoes

Subject to change.

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]	$h_{G'}$ [mm]
130	87	120	127.5

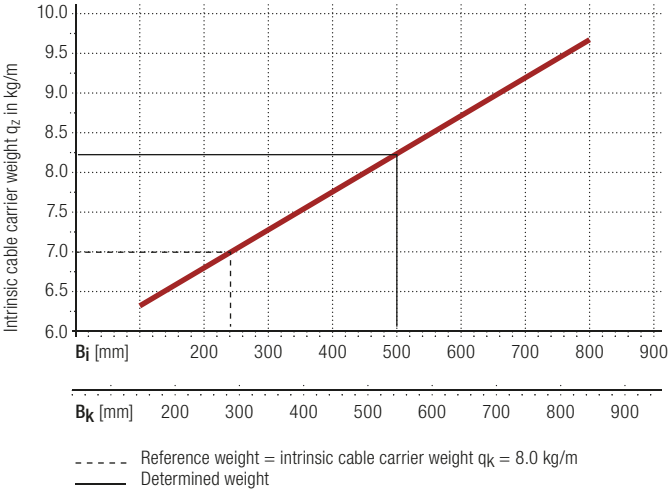
Bend radii

KR [mm]							
150	195	240	280	320	360	400	500

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
100	150	6.31
150	200	6.55
200	250	6.79
250	300	7.03
300	350	7.26
350	400	7.50
400	450	7.74
450	500	7.98
500	550	8.22
550	600	8.46
600	650	8.70
650	700	8.93
700	750	9.17
750	800	9.41
800	850	9.65

The stated values for B_i are sample values in 50 mm sections.
Stay variant RMS is available in **1 mm width sections**.



Reference weight = intrinsic cable carrier weight q_k = 8.0 kg/m
Determined weight

Calculation example

B_i = 500 mm

B_k = 550 mm
q_k = 8.22 kg/m

M series
Inner height 87
Inner width 100 – 800
Increments 1 mm
Key for abbreviated symbols on page 178
Assembly instructions on kabelschlepp.de/assembly
Order key on page 176

Subject to change.

MC1300 RMS | Inner Distribution | TS0

Divider systems

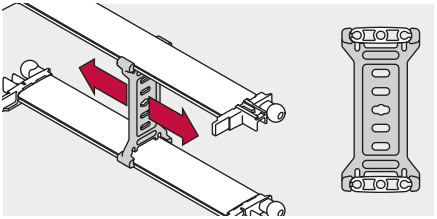
As a standard, the divider system is mounted on each crossbar – for stay mounting on every 2nd chain link (HS).

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

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

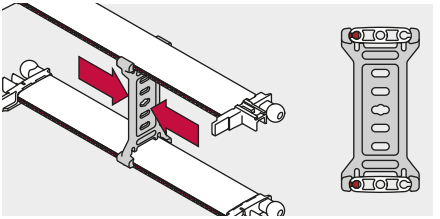
Movable divider

Version A (Standard)



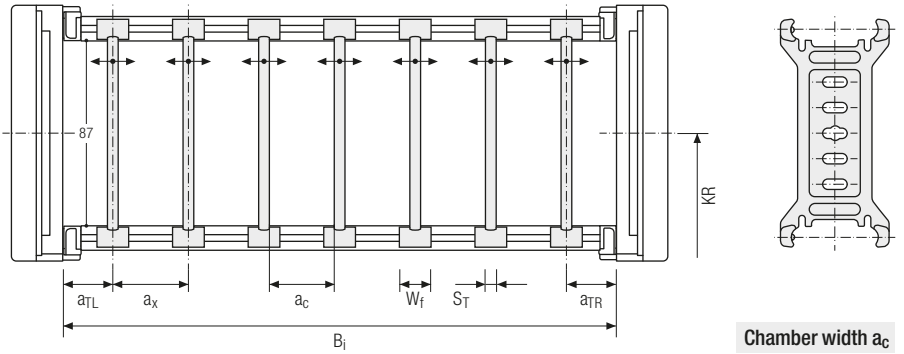
Fixable divider (5 mm grid)

Version B



Divider system TS0 without height separation

S_T [mm]	W_f [mm]	Version A $a_{TL}/a_{TR\ min}$ [mm]	Version A $a_{x\ min}$ [mm]	Version A $a_{c\ min}$ [mm]	Version B $a_{TL}/a_{TR\ min}$ [mm]	Version B $a_{x\ min}$ [mm]	Version B $a_{c\ min}$ [mm]	Version B $a_{x\ grid}$ [mm]
5	15	15.5	15	10	18.5	15	10	5



Chamber width a_c

$a_c = a_x - S_T$

Order example

TS0	.	A	.	3
Divider system		Version		n_T

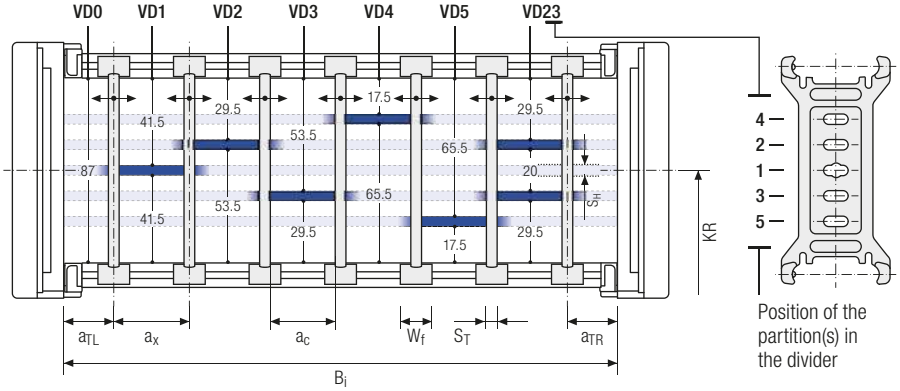
Information on the connection dimensions for the cable carrier can be found on page 174 f.

Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
kabelschlepp.de/m
online-engineer.de Cable Carrier Configurator

Subject to change.

Divider system TS1 with continuous height separation

S_T [mm]	W_f [mm]	S_H [mm]	$n_{T\ min}$	Version A: $a_{T\ min}$ [mm]	Version A: $a_{T\ max}$ [mm]	Version A: $a_{x\ min}$ [mm]	Version A: $a_{c\ min}$ [mm]	Version B: $a_{T\ min}$ [mm]	Version B: $a_{T\ max}$ [mm]	Version B: $a_{x\ min}$ [mm]	Version B: $a_{c\ min}$ [mm]	Version B: $a_{x\ grid}$ [mm]
5	15	4	2	15.5	25	15	10	18.5	25	15	10	5



Standard height separation with **aluminum profile 11 × 4 mm**. The dividers can be moved in the cross section.

Chamber width a_c

$a_c = a_x - S_T$

TOTALTRAX® complete systems

Benefit from the advantages of a TOTALTRAX® complete system. Complete delivery from a single source – with a guarantee certificate on request! Learn more at **kabelschlepp.de/totaltrax**

TRAXLINE® cables in motion

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

More product information online

Assembly instructions etc.: Receive additional info via your smartphone or check online at **kabelschlepp.de/support**

Configure your custom cable carrier: **onlineengineer.de**

Information on the connection dimensions for the cable carrier can be found on page 174 f.

Subject to change.

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

Technical support:
technik@kabelschlepp.de

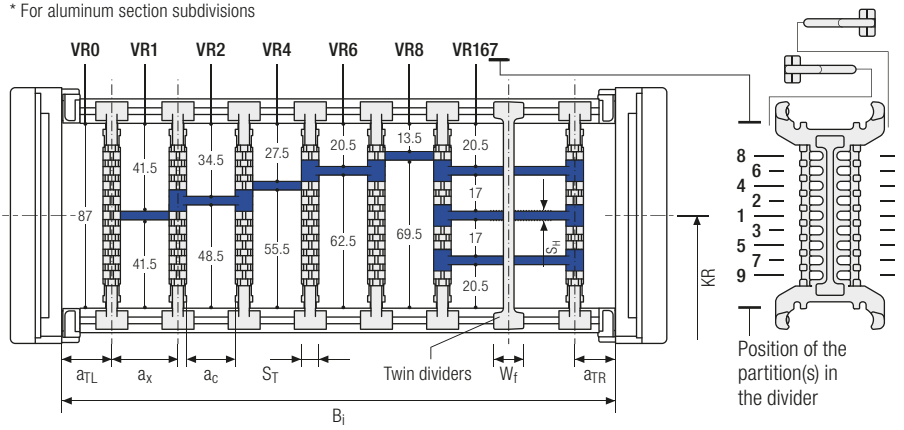
online-engineer.de
Cable Carrier Configurator

MC1300 RMS | Inner Distribution | TS3

Divider system TS3 with height separation made of plastic section subdivisions

Version A								
S_T [mm]	S_T twin divider [mm]	W_f [mm]	W_f twin divider [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
8	5	15	14	4	7.5	16 / 42*	8	2

* For aluminum section subdivisions



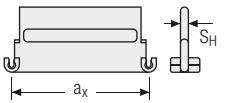
The dividers are fixed by the partitions, the complete divider system is movable in the cross section. Movable twin dividers are optionally available. Twin dividers are also suitable for retrofitting in the section subdivision system.

Chamber width a_c

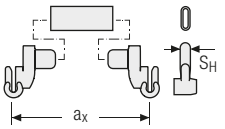
$a_c = a_x - S_T$

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**	**78**	**80**	**88**
8	10	15	20	24	25	30	35	40	50	56	60	70	72	80
96	**112**	**128**	**144**	**160**	**176**	**192**	**208**							
88	104	120	136	152	168	184	200							

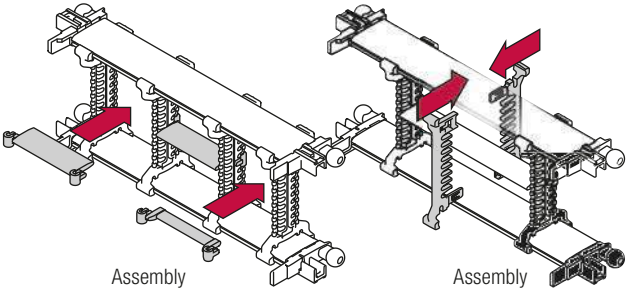
Plastic section subdivisions in a_x increments



Aluminum section subdivisions with plastic adapters in 1 mm increments



When using **section subdivisions with a_x > 112 mm** we recommend an additional center support with a **twin divider.**
The height separations VR8 and VR9 are not possible when using twin dividers. Aluminum section subdivisions are only available with **a_x > 42 mm**.



Assembly section subdivision

Assembly twin divider

Information on the connection dimensions for the cable carrier can be found on page 174 f.

Subject to change.

Subject to change.

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

MC1300 RM | Overview

HEAVY DUTY
TSUBAKI KABELSCHLEPP

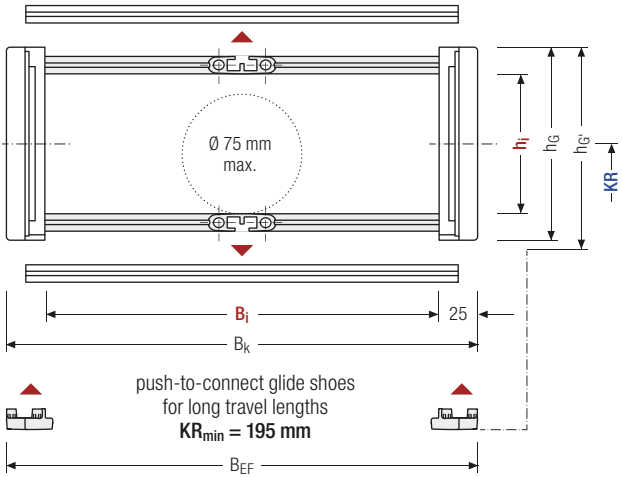
Aluminum stay RM – frame stay solid

- Aluminum profile bars for heavy loads and maximum cable carrier widths. Double screw connections on both sides **"Heavy Duty"**.
- Available customized in **1 mm width sections**.
- **Opening options outside/inside**: Screw connection is easy to release.

Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

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



Calculating the cable carrier width

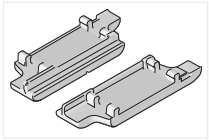
Outer width B_k

$B_k = B_i + 50$ mm

Total width B_{EF}

$B_{EF} = B_k$

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



Replaceable glide shoes

Subject to change.

Pitch, inner height and chain link height

t [mm]	h_i [mm]	h_G [mm]	$h_{G'}$ [mm]
130	87	120	127.5

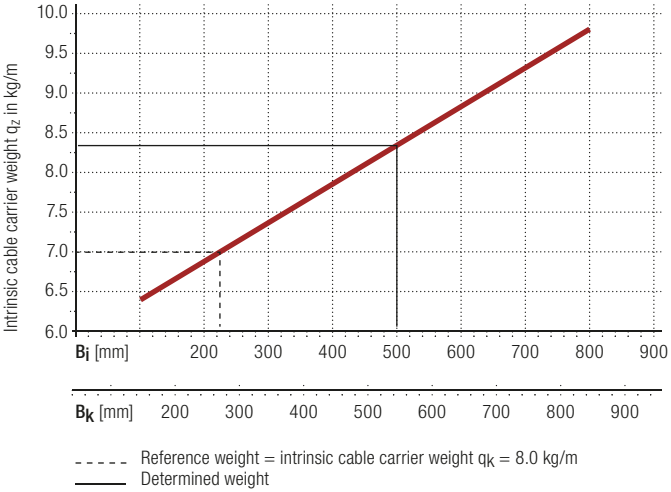
Bend radii

KR [mm]							
150	195	240	280	320	360	400	500

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k [kg/m]
100	150	6.36
150	200	6.61
200	250	6.85
250	300	7.10
300	350	7.34
350	400	7.59
400	450	7.83
450	500	8.08
500	550	8.32
550	600	8.57
600	650	8.81
650	700	9.06
700	750	9.30
750	800	9.55
800	850	9.79

The stated values for B_i are sample values in 50 mm sections.
Stay variant RM is available **in 1 mm width sections**.



Reference weight = intrinsic cable carrier weight q_k = 8.0 kg/m
Determined weight

Calculation example

B_i = 500 mm

B_k = 550 mm
q_k = 8.32 kg/m

Subject to change.

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

Technical support:
technik@kabelschlepp.de

online-engineer.de
Cable Carrier Configurator

MC1300 RM | Inner Distribution | TS0

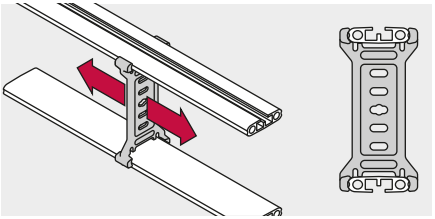
Divider systems

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

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

Movable divider

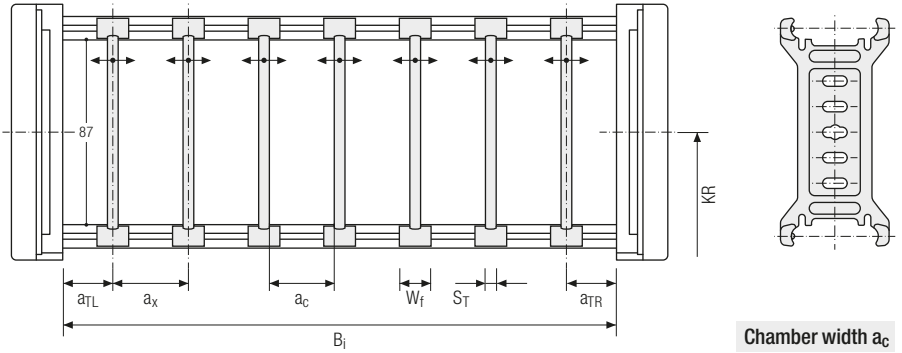
Version A



Divider system TS0 without height separation

Version A

S_T [mm]	W_f [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]
5	15	7.5	15	10



Chamber width a_c

$a_c = a_x - S_T$

Order example

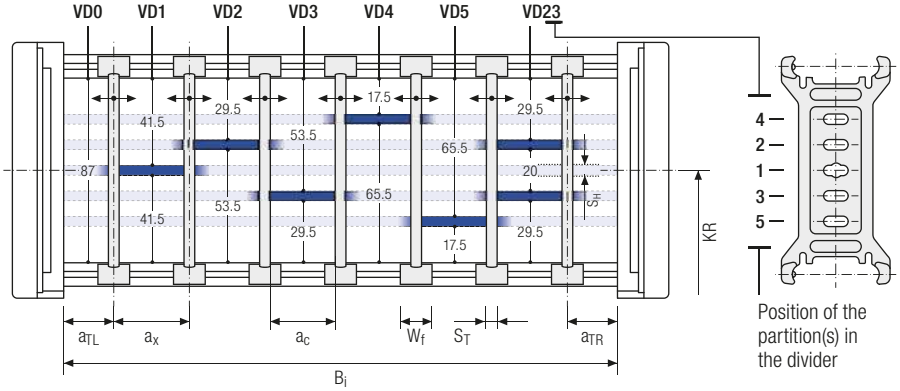
TS0	.	A	.	3
Divider system		Version		n_T

Information on the connection dimensions for the cable carrier can be found on page 174 f.

Subject to change.

Divider system TS1 with continuous height separation

Version A							
S_T [mm]	W_f [mm]	S_H [mm]	$a_{TL}/a_{TR\ min}$ [mm]	$a_{TL}/a_{TR\ max}$ [mm]	$a_{x\ min}$ [mm]	$a_{c\ min}$ [mm]	$n_{T\ min}$
5	15	4	7.5	25	15	10	2



Standard height separation with **aluminum profile 11 × 4 mm**. The dividers can be moved in the cross section.

Chamber width a_c

$a_c = a_x - S_T$

TOTALTRAX® complete systems

Benefit from the advantages of a TOTALTRAX® complete system. Complete delivery from a single source – with a guarantee certificate on request! Learn more at **kabelschlepp.de/totaltrax**

TRAXLINE® cables in motion

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

More product information online

Assembly instructions etc.: Receive additional info via your smartphone or check online at **kabelschlepp.de/support**

Configure your custom cable carrier: **onlineengineer.de**

Information on the connection dimensions for the cable carrier can be found on page 174 f.

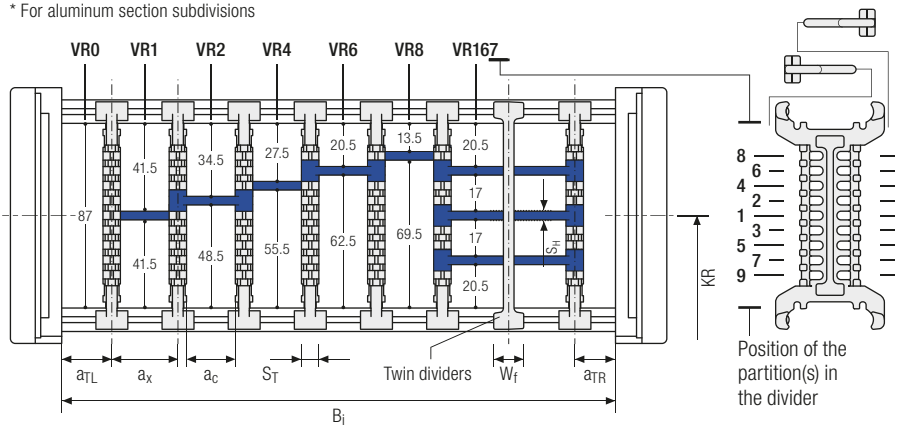
Subject to change.

MC1300 RM | Inner Distribution | TS3

Divider system TS3 with height separation made of plastic section subdivisions

Version A								
S_T [mm]	S_T twin divider [mm]	W_f [mm]	W_f twin divider [mm]	S_H [mm]	a_{TL}/a_{TR} min [mm]	a_x min [mm]	a_c min [mm]	n_T min
8	5	15	14	4	7.5	16 / 42*	8	2

* For aluminum section subdivisions



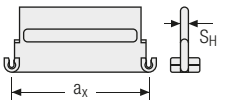
The dividers are fixed by the partitions, the complete divider system is movable in the cross section. Movable twin dividers are optionally available. Twin dividers are also suitable for retrofitting in the section subdivision system.

Chamber width a_c

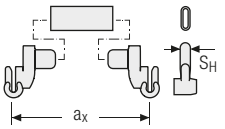
$a_c = a_x - S_T$

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**	**78**	**80**	**88**
8	10	15	20	24	25	30	35	40	50	56	60	70	72	80
96	**112**	**128**	**144**	**160**	**176**	**192**	**208**							
88	104	120	136	152	168	184	200							

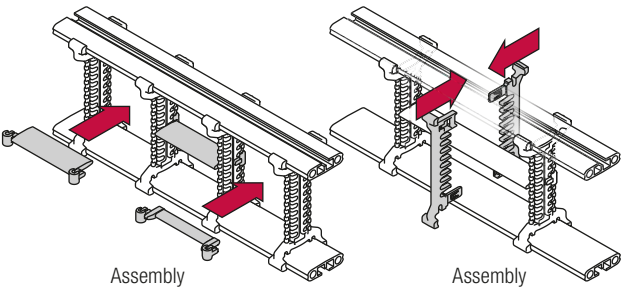
Plastic section subdivisions in a_x increments



Aluminum section subdivisions with plastic adapters in 1 mm increments



When using **section subdivisions with a_x > 112 mm** we recommend an additional center support with a **twin divider.**
The height separations VR8 and VR9 are not possible when using twin dividers. Aluminum section subdivisions are only available with **a_x > 42 mm**.



Assembly section subdivision

Assembly twin divider

Information on the connection dimensions for the cable carrier can be found on page 174 f.

Subject to change.

kabelschlepp.de/m
Configure your cable carrier: onlineengineer.de
Technical support: technik@kabelschlepp.de
online-engineer.de Cable Carrier Configurator

Subject to change.

MC1300 LG | Overview

HEAVY DUTY TSUBAKI KABELSCHLEPP

Aluminum stay LG – hole stay, split version

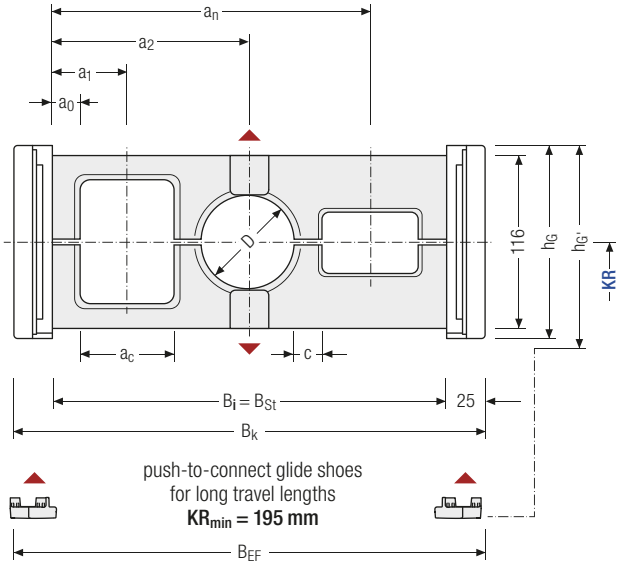
- Optimum cable routing in the neutral bending line. Split version for easy cable routing. Stays also available unsplit.
- Available customized in **1 mm width sections**.
- Order-specific manufacturing of the hole pattern according to your data.
- **Opening options outside/inside**: Screw connection is easy to release.

Stay arrangement on every 2nd chain link **(HS)**, standard

Stay arrangement on every chain link **(VS)**

1 mm

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



Calculating the cable carrier width

Inner width B_i

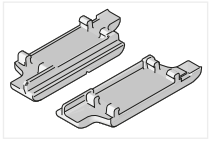
$B_i = B_{St}$

Outer width B_k

$B_k = B_{St} + 50$ mm

Total width B_{EF}

$B_{EF} = B_k$



Replaceable glide shoes

Subject to change.

Pitch, chain link height and hole stay dimensions

t [mm]	h_G [mm]	$h_{G'}$ [mm]	D_{max} [mm]	c_{min} [mm]	$a_{c\ min}$ [mm]	$a_{0\ min}$ [mm]
130	120	127.5	92	4	12	13

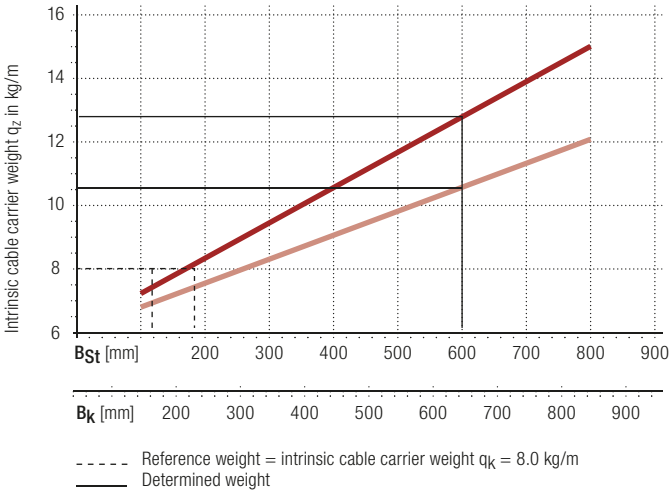
Bend radii

KR [mm]							
150	195	240	280	320	360	400	500

Inner/outer width and intrinsic cable carrier weight

B_i [mm]	B_k [mm]	q_k 40 % [kg/m]	q_k 60 % [kg/m]
100	150	7.22	6.85
150	200	7.78	7.22
200	250	8.33	7.59
250	300	8.89	7.96
300	350	9.45	8.33
350	400	10.00	8.70
400	450	10.56	9.07
450	500	11.12	9.45
500	550	11.67	9.82
550	600	12.23	10.19
600	650	12.78	10.56
650	700	13.34	10.93
700	750	13.90	11.30
750	800	14.45	11.67
800	850	15.01	12.04

The stated values for B_i are sample values in 50 mm sections.
Stay variant LG is available in **1 mm width sections**.



Calculation example

B_{St} = 600 mm

B_k = 650 mm
q_k = 12.78 kg/m [40 %]
q_k = 10.56 kg/m [60 %]

Hole stays with 40 % hole ratio
Hole stays with 60 % hole ratio

Subject to change.

kabelschlepp.de/m

Configure your cable carrier:
onlineengineer.de

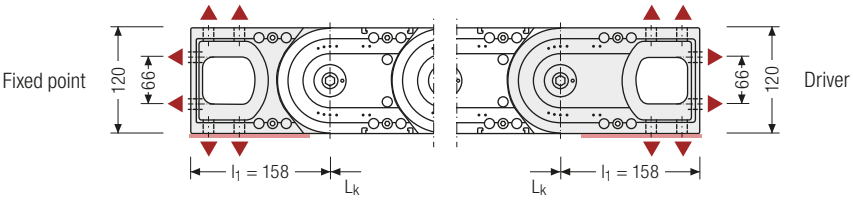
Technical support:
technik@kabelschlepp.de

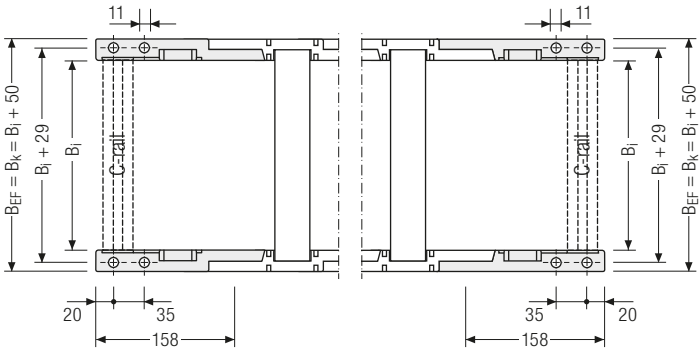
online-engineer.de
Cable Carrier Configurator

M1300 | End Connectors | UMB

Universal end connectors UMB – plastic (standard)

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



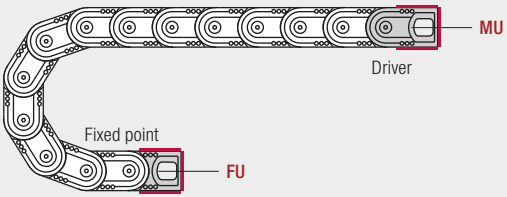


▲ Assembly options

Optional with C-rail for holding strain relief elements.

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

Connection variants



Connection point
F – fixed point
M – driver

Connection type
U – universal mounting bracket

Subject to change.

kabelschlepp

M1300 | Order Key

Order

Cable carrier

Type	B_i [mm]	Stay variant	KR [mm]	L_k [mm]	Stay arrangement
MC1300	100	RMF	150		HS
	...	RMS	195		VS
	800	RM	240		
		LG	280		
			320		
			360		
			400		
			500		

MC1300	.	360	.	RMF	.	360	-	2600		HS
Type		B_i [mm]		Stay variant		KR [mm]		L_k [mm]		Stay arrangement

Caution: Not all combinations are possible. Please note the information on the individual stay variants. When using stay variant LG, please provide dimension B_{St} instead of B_i.

International order specification
INTOK: Information can be found in the chapter "International Order Key" from p. 1.

Divider system

Divider system	Version	n_T	Chamber	a_x [mm]	Height separation (not for TS0)
TS0			K1		VD0
TS1	A	min. 2	K2	min. 14	VD1
TS3	B	...	...	...	...

TS3	.	A	.	3	.	K1	.	34	-	VD1
						⋮		⋮		⋮
					.	K5	.	38	-	VD3
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].

If using divider systems with height separation **(TS1, TS3)** please also state the positions [e.g. VD23] viewed from the left carrier belt. If using the divider system **TS3**, please also state the required twin dividers. You are welcome to add a sketch to your order.

Connection

End connector	Connection point	Connection type
UMB	F	A
	M	U

UMB	.	F	A
UMB	.	M	U

Please state the desired connection variant as well as the desired strain relief type for the fixed point and for the driver.

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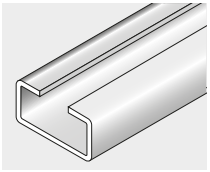
online-engineer.de Cable Carrier Configurator

Subject to change.

Accessories

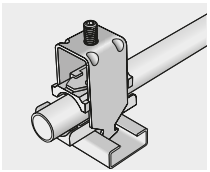
C-rails for strain relief elements

The optional C-rails are secured by the UMB end connectors and do not require separate screw connections.



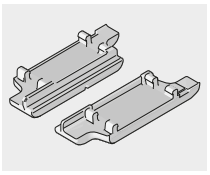
LineFix® clamps

LineFix® clamps are fixed to the C-rail. The serve as a separate strain relief or separate attachment of the cables outside the cable carrier.



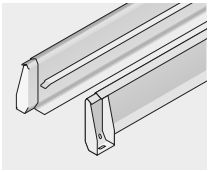
Gliding elements

The optional glide shoes ensure a substantially longer service life of the cable carrier in gliding operation.



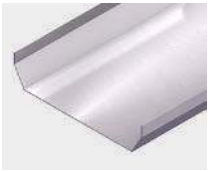
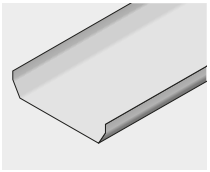
Guide channels

The cable carrier always has to be guided in a channel for gliding applications. This prevents the upper and lower run from slipping.



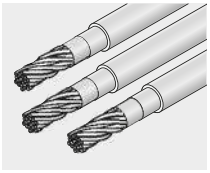
Support trays

An even surface is required for safe unrolling of the cable carrier. This is ensured by a support tray.

TRAXLINE® cables in motion

Hi-flex electric cables which were especially developed, optimized and tested for use in cable carriers.



Subject to change.

M series | General abbreviations

General abbreviations

a_c = nominal width inner chamber
a_{max} = max. travel acceleration
a_{TL} = distance lateral tabs inside to center of first divider
a_{TR} = distance lateral tabs inside to center of last divider
a_x = divider center to center distance
b_1 = inner width of guide channel
b_A = distance between connection boreholes
B_{EF} = overall width of cable carrier incl. attachments
B_i = inner width
B_k = outer width
B_{KA} = outer width of guide channel
B_p = width of hole stay inserts
B_{St} = stay width
c = distance between hole stay bores
d = diameter
D = bore diameter
d_R = pipe diameter
H = connection height
H' = reduced connection height
h_G = chain link height
$h_{G'}$ = chain link height incl. glide shoe
h_i = inner height
H_i = inner height of frame stay assembly
h_{KA} = outer height of guide channel
HS = half-stayed
H_z = installation height
KR = bending radius
l_1 = connection length
l_{2-5} = connection dimensions
l_A = length of end connector
L_B = length of carrier in bend
L_D = length of permitted sag
L_f = unsupported length
L_{ES} = length of energy conduit
L_k = cable carrier length without connection
L_S = travel length
L_V = fixed point offset
n_p = number of hole stay inserts
n_{RKR} = number of RKR links
n_T = number of dividers
n_Z = number of comb teeth for strain relief
q_k = intrinsic cable carrier weight
q_z = additional load
RKR = reverse bending radius
s = sheet metal thickness
S_H = thickness of height separation
S_T = thickness of divider
t = pitch
U_B = loop overhang
VD = position of continuous height separations in divider
VR = position of partial height separations in divider
v_{max} = max. travel speed
VS = fully-stayed
W_f = base width of divider
z = pretension

Definitions

Driver view = view into the driver connection

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online-engineer.de Cable Carrier Configurator

Subject to change.

Pictographs

inner height

inner width

inner width (B_i) in x mm increments

pitch

bending radius

long travel length

travel length unsupported

travel length gliding

high additional load

high travel acceleration

high travel velocity

stay arrangement on every 2nd chain link

stay arrangement on every chain link

cannot be opened

opens outward

opens inward

opens inward/outward

covered cable carrier

sliding dividers

fixable dividers

fixable dividers in x mm grid

height separation possible

height separation in 1 mm increments

guide channel required

strain relief

clean room suitable

quiet running/low noise

sold by the meter

ESD material

suitable for explosive atmospheres

heat-resistant

cold-resistant

resistant to hot chips

flame-resistant V0 (UL94)

flame-resistant V2 (UL94)

order code

important information

Subject to change.