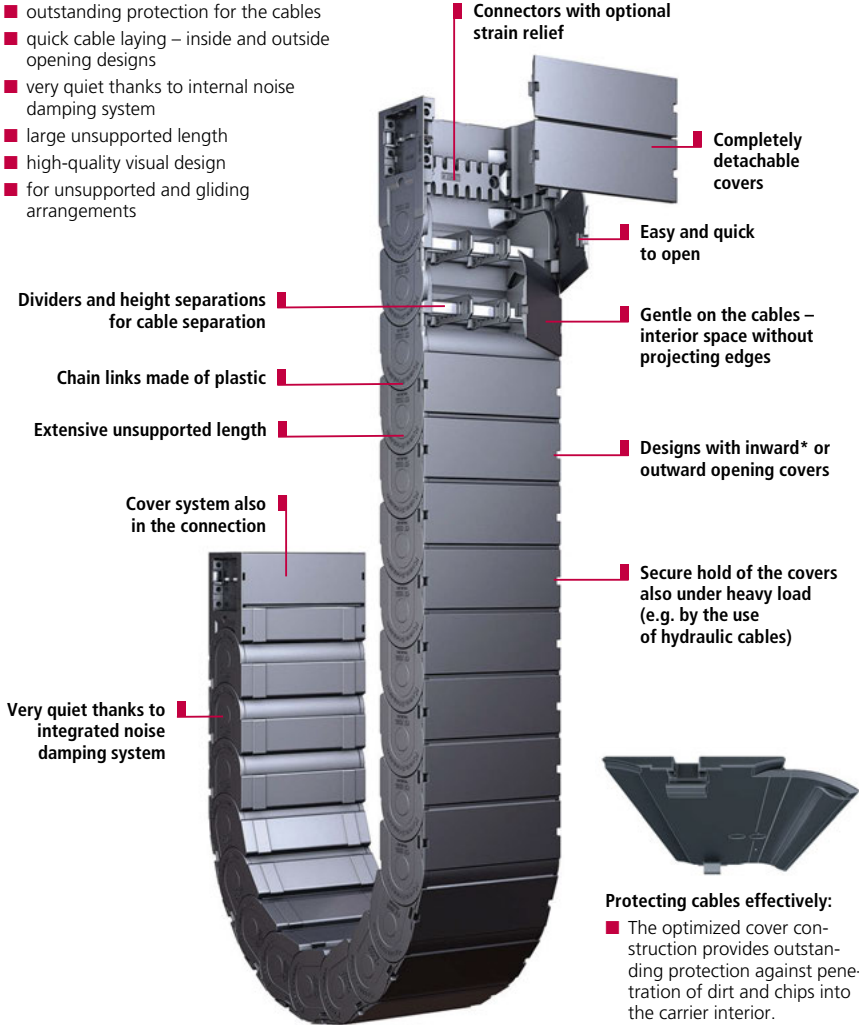


CoverTrax

Extreme cable protection in harsh environmental conditions

- outstanding protection for the cables
- quick cable laying – inside and outside opening designs
- very quiet thanks to internal noise damping system
- large unsupported length
- high-quality visual design
- for unsupported and gliding arrangements



Inside heights



Inside widths



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Font: +49 2762 4003-0



Protecting cables effectively:

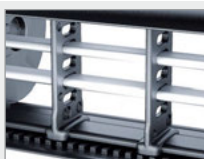
- The optimized cover construction provides outstanding protection against penetration of dirt and chips into the carrier interior.



Simply unlock cover with a screwdriver



Detach the cover from the chain link



Divider system TS 1



Optional strain relief comb – also placed on top of one another

Subject to change.

* On request – please contact us.

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TSUBAKI KABELSCHLEPP
 Cable Carrier Configuration

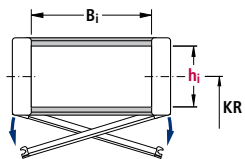
Overview CoverTrax

Design 060 with a cover that can be levered open to the inside*

Inside heights



Inside widths



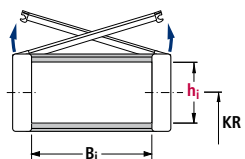
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Type	h _i	B _i	Maximum travel length in m	Dynamics of unsupported arrangement		Page
				Travel speed v _{max} in m/s	Travel acceleration a _{max} in m/s ²	
CT 1555.060	50	50-250	100	6	35	280

Dimensions in mm

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Bauart 080 with a cover that can be levered open to the outside



Type	h _i	B _i	Maximum travel length in m	Dynamics of unsupported arrangement		Page
				Travel speed v _{max} in m/s	Travel acceleration a _{max} in m/s ²	
CT 1555.080	50	50-250	100	6	35	280

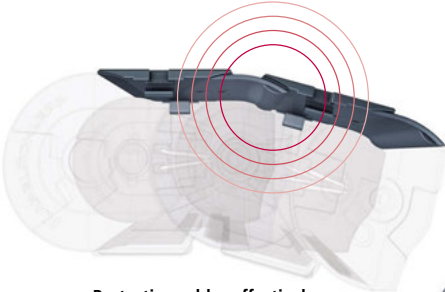
Dimensions in mm

Use our free project planning service.

* On request – please contact us.

Extreme cable protection – CoverTrax 1555

The CoverTrax cable carrier provides outstanding protection for the routed cables and hoses. It has been developed for harsh environmental conditions with chips, dirt and dust and effectively prevents foreign bodies from entering the cable space. The optimized geometry of the chain links makes the carrier very stable, with a large unsupported length. The integrated damping system makes it very quiet. The new CoverTrax 1555 is not just remarkable for its technical attributes, but also for its new visual design, with its impressive style and functionality. For example, the almost completely smooth side band contour of the individual chain links presents hardly any gap through which foreign bodies could penetrate.



Protecting cables effectively:

- The optimized cover construction provides outstanding protection against penetration of dirt and chips into the carrier interior.



Inside heights



Inside widths



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Optimized geometry

The protection for the routed cables has been optimized by means of design features. Extremely small gap dimensions and the new geometry effectively prevent the penetration of foreign bodies.



- The reinforced contour of the new cover provides extremely small gap dimensions even with large carrier widths.



- The openable covers reach above the side band and deflect dirt off to the side.

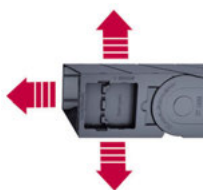


- Smooth side band contour with encapsulated stroke system.

Fon: +49 2762 4003-0

Easy connection – optionally with strain relief comb

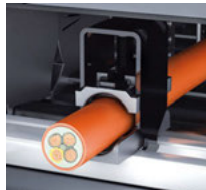
With the UMB connectors you can connect the CoverTrax easily from **above**, from **below** or at **the front**. The **optional C-rails** and **Linefix saddle-type clamps** allow the cables to be fixed securely and simply. C-rails and strain relief combs are fixed with the UMB connectors and do not have to be screwed separately.



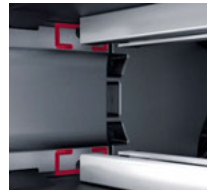
- UMB connector



- Optional strain relief comb



- Connection with LineFix on C-rail

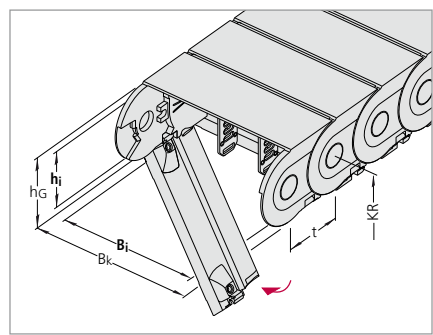


- The UMB connectors have mounts above and below for fixing a C-rail or strain relief comb.

Type CT 1555

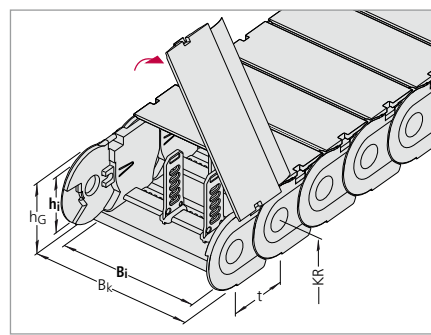
Design 060*

Inside: Hinged, openable (on the right/left) and detachable covers



Design 080

Inside: Hinged, openable (on the right/left) and detachable covers



Inside heights
50

Inside widths
50 - 250

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Dimensions and intrinsic chain weight

Type	hi	hG	Inside widths Bi									Bk	
			Intrinsic chain weight										
CT 1555	50	69	50*	75	100*	115*	125	150*	175	200*	225*	250*	Bi + 21
			2.18	2.43	2.68	2.83	2.94	3.19	3.44	3.69	3.94	4.20	

* on request

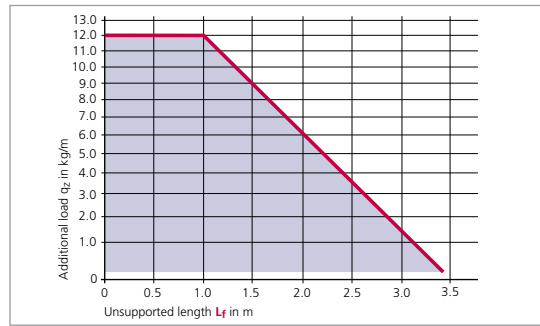
Dimensions in mm/Weights in kg/m

Bend radius and pitch

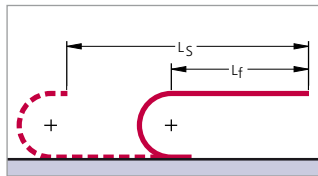
Bend radii KR mm								Pitch t = 55.5 mm
100	125	150	175	200	225	250	300	

Bend radius and pitch

for unsupported length Lf depending on the additional load



Unsupported length Lf



In the case of longer travel lengths, sag of the cable carriers is technically per-missible depending on the application. In a gliding arrangement, even longer travel lengths are possible (see page 375).

We are at your service to advise on these applications.

Example of ordering

Cable carrier	Divider system	Connection
CT 1555 . 080 . 175 . 150 - 1110	TS 0 / 1	FU/MU
Type Design	Divider system	Connection-Fixed point/Driver
Inside width Bi in mm	Number of dividers nT	
Bend radius KR in mm		
Chain length Lk in mm (without connection)		

Ordering divider systems:

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

* On request - please contact us.

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Type CT 1555

Fixing the dividers

In the standard version, dividers or the complete divider system (dividers with height separation) can be moved in the cross section. (Mounting version A)

For applications with transverse accelerations and where the carrier is rotated through 90° the dividers can be fixed simply by turning them. This causes the arresting cams to engage in the locking profiles of the covers (Version B).
If the fixed installation version is desired, please state this on the order.

Inside heights

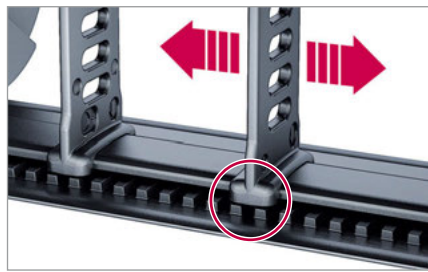


Inside widths



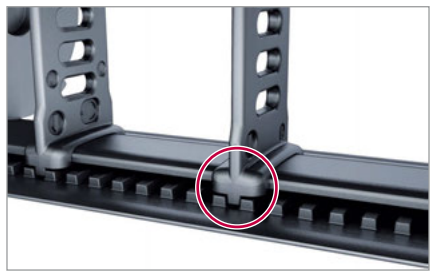
Version A (standard)

Movable divider



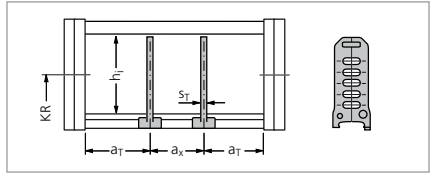
Version B

Divider fixed in 5 mm steps.



Divider system TS 0

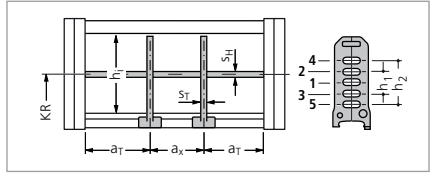
Type	h _i mm	Version A			Version B			
		S _T mm	a _T min mm	a _x min mm	S _T mm	a _T min mm	a _x min mm	a _x section mm
CT 1555	50	3	5	10	3	7.5	10	5



Divider system TS 1

with continuous height subdivision made of aluminum

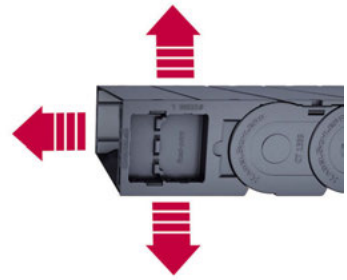
Type	h _i mm	Version A			Version B			S _H mm	h ₁ mm	h ₂ mm	
		S _T mm	a _T min mm	a _x min mm	S _T mm	a _T min mm	a _x min mm				a _x section mm
CT 1555	50	3	5	10	3	7.5	10	5	4	14	28



Type CT 1555

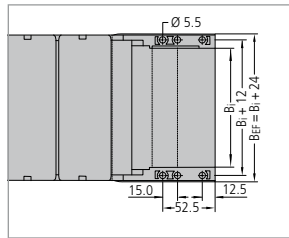
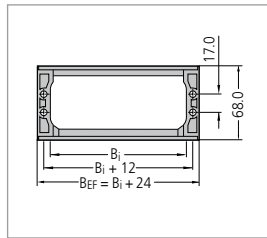
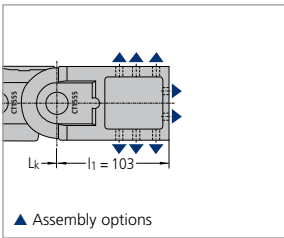
Universal mounting brackets

With plastic UMBs (Universal Mounting Brackets), you can easily connect the CoverTrax from above, from below, or at head height.



Inside heights
50

Inside widths
50
250



The dimensions of the fixed point and driver connections are identical. When ordering please specify the connection type FU/MU (see ordering key on page 422).

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Both-sided strain relief combs made of plastic

The cables can be fixed securely and simply using the optional strain relief combs. The strain relief combs are installed between the UMBs, and do not need to be bolted on separately or mounted on a C-Rail.

Please state on the order whether strain relief combs are needed.



■ Universal mounting bracket with optional strain relief comb

■ Fixing in the UMB

Type	B _i mm	n _z
CT 1555. 50	50	3
CT 1555. 75	75	5
CT 1555. 100	100	7
CT 1555. 125	125	9
CT 1555. 150	150	11
CT 1555. 175	175	13

n_z = Number of teeth on one side of the comb

Strain relief comb made of aluminum on one side

The cables can be fixed securely and simply using the optional strain relief combs. The strain relief combs are installed between the UMBs, and do not need to be bolted on separately or mounted on a C-Rail.

Please state on the order whether strain relief combs are needed.



■ Strain relief comb made of aluminum

Use our free project planning service.

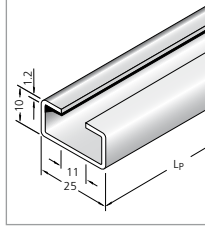
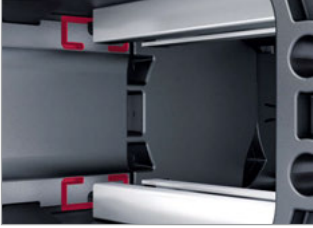
Type CT 1555

Strain relief devices

C-rails for LineFix bracket clamps, SZL strain reliefs and clamps

The optional C-rails are fixed by means of the universal mounting brackets and do not have to be screwed separately.

Please state in your order whether C-rails are needed.



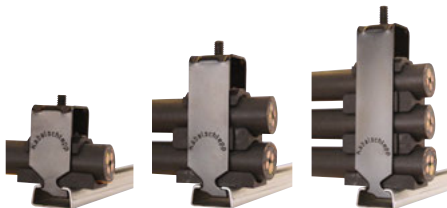
■ Universal mounting bracket with C-rail. The UMB connectors have mounts **above and below** for fixing a C-rail

■ Integratable C-rail 25 x 10 mm, slit width 11 mm, material steel, Item-No. 3931

Our LineFix strain reliefs are optimally suited for the C-rails. (LineFix bracket clamps and other strain relief devices – see Accessories chapter, from page 381 onwards).



■ C-rail with LineFix strain relief



Inside heights



Inside widths



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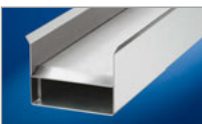
Font: +49 2762 4003-0

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Hersteller von KABELSCHLEPP
 Cable Carrier Engineering

Guide channels
 ▶ from page 375

Strain relief devices
 ▶ from page 381

Cables for cable carrier systems
 ▶ from page 438



UNIFLEX

TUBES with fixed chain widths

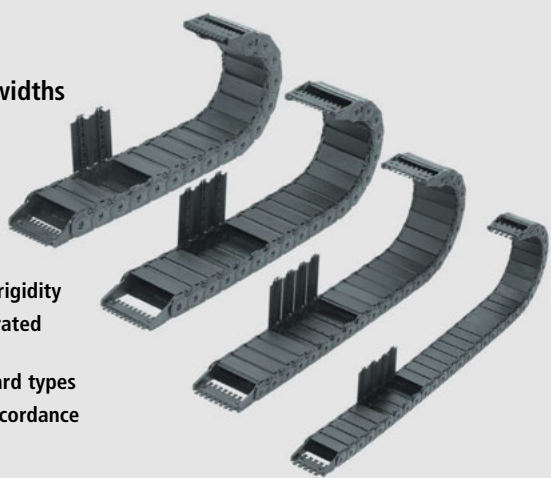
Inside heights



Inside widths



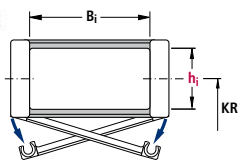
- Solid plastic
- Easy to open
- Robust, double stroke system for long unsupported lengths
- Particularly high torsional rigidity
- End connectors with integrated strain relief
- Economically priced standard types
- TÜV design approved in accordance with 2PFG 1036/10.97



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Design 050 – covered on one side

- Outside: Covered
- Inside: Hinged, openable (on the right/left) and detachable brackets



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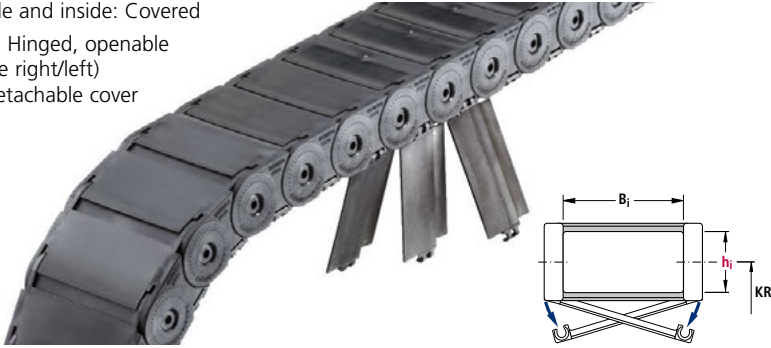
Use our free project planning service.

Type	h _i	B _i	Maximum travel length in m	Dynamics of unsupported arrangement		Page
				Travel speed v _{max} in m/s	Travel acceleration a _{max} in m/s ²	
0345.050	20	15-65	80	10	50	104
0455.050	26	25-130	120	10	50	104
0555.050	38	50-150	125	9	45	104
0665.050	44	50-175	150	8	40	104

Dimensions in mm

Design 060 – covered on both sides

- Outside and inside: Covered
- Inside: Hinged, openable (on the right/left) and detachable cover



Inside heights



Inside widths



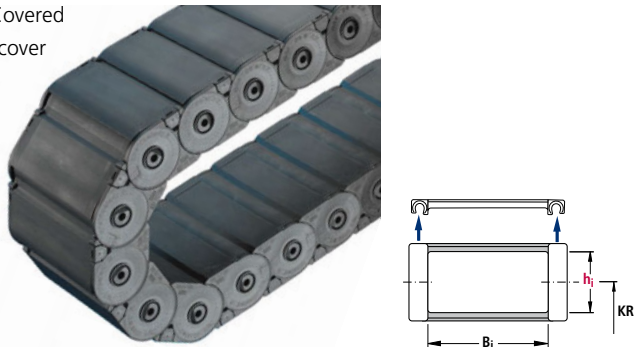
Type	h _i	B _i	Maximum travel length in m	Dynamics of unsupported arrangement		Page
				Travel speed v _{max} in m/s	Travel acceleration a _{max} in m/s ²	
0345.060	19.5	15-65	80	10	50	286
0455.060	25	25-130	120	10	50	286
0555.060	36	50-150	125	9	45	286
0665.060	42	50-175	150	8	40	286

Dimensions in mm

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Design 080 – covered on both sides

- Outside and inside: Covered
- Outside: Detachable cover



Type	h _i	B _i	Maximum travel length in m	Dynamics of unsupported arrangement		Page
				Travel speed v _{max} in m/s	Travel acceleration a _{max} in m/s ²	
0600.080	44	50-125	100	6	35	292

Dimensions in mm

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The online engineering calculator

UNIFLEX – Types 0345, 0455, 0555 and 0665

Design 060 – cable carriers covered on both sides

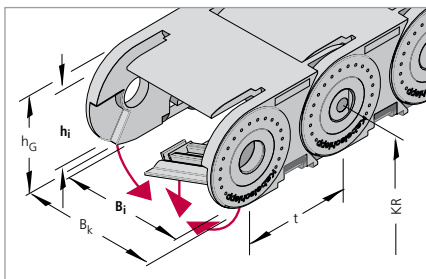
Outside and inside: Covered

Inside: Hinged, openable (on the right/left) and detachable covers

Inside heights



Inside widths



Dimensions and intrinsic chain weight

Type	h_i	h_G	Inside widths B_i						B_k
			Intrinsic chain weight						
0345	19.5	28	15	20	25	38	50	65	$B_i + 13$
			0.48	0.52	0.56	0.65	0.74	0.85	
0455	25	36	25	38	58	78	103	130	$B_i + 18$
			0.92	1.01	1.16	1.31	1.51	1.72	
0555	36	50	50	75	100	125	150	–	$B_i + 22$
			1.72	1.95	2.17	2.39	2.61	–	
0665	42	60	50	75	100	125	150	175	$B_i + 27$
			2.36	2.69	3.00	3.32	3.64	3.95	

Dimensions in mm/Weights in kg/m

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Bend radius and pitch

Type	Bend radii KR mm					
0345	75	100	125	150	–	–
0455	95	125	150	180	200	225
0555	100	125	160	200	230	–
0665	120	140	200	250	300	–

Pitch t:

Type 0345: 34.5 mm

Type 0455: 45.5 mm

Type 0555: 55.5 mm

Type 0665: 66.5 mm

Example of ordering

Cable carrier

0555 . **060** . **125** . **160** - **1665**

Type Design Inside width B_i in mm Bend radius KR in mm Chain length L_k in mm (with-out connection)

Divider system

TS 0 / **3**

Divider system Number of dividers n_T

Connection

FU/MU

Connection Fixed point/Driver

Ordering divider systems:

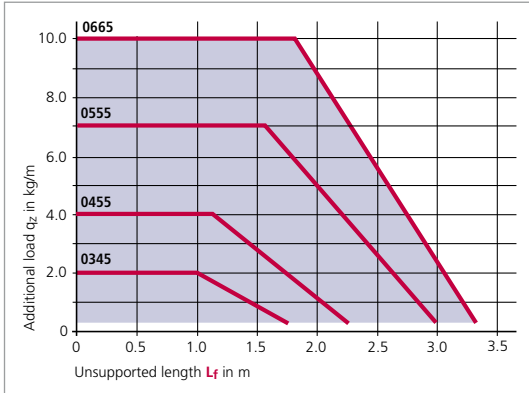
Please state the designation of the divider system (TS 0, TS 1 ...) and the number of dividers. Possibly attach a sketch with the dimensions.

Use our free project planning service.

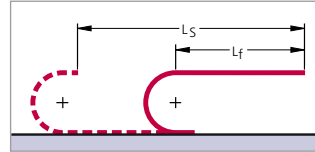
UNIFLEX – Types 0345, 0455, 0555 and 0665

Load diagram

for unsupported length L_f depending on the additional load



Unsupported length L_f



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

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

We are at your service to advise on these applications.

Inside heights



Inside widths



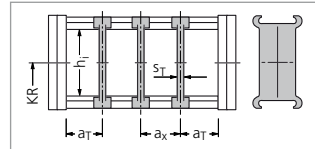
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Divider system TS 0

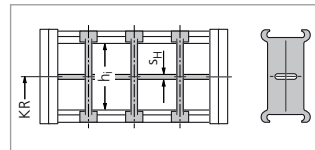
Type	h_i mm	S_T mm	a_x mm	B_i mm	a_T min mm
0455	25	3	20	25	12.5
0455	25	3	20	38, 58, 78	19
0455	25	3	20	103	21.5
0455	25	3	20	130	25
0555	36	3	25	50 ... 150	25
0665	42	5	25	50 ... 175	25

The dividers are fixed at an interval of a_x .

For type 0665, the divider system TS 1 with a central height subdivision ($S_H = 4$ mm) is also available.



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



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the online engineer
 cable carrier configuration

UNIFLEX – Types 0345, 0455, 0555 and 0665

Strain relief devices for plastic connectors

Inside heights



Inside widths



ZLK – A

Connecting elements with integrated, strain relief combs on both sides (ZLK – A)

ZLK – L

Connecting elements with screw-on type strain relief combs (ZLK – L)

The strain relief combs are generally supplied with the connecting elements.

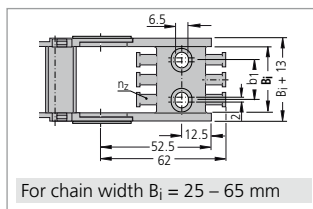
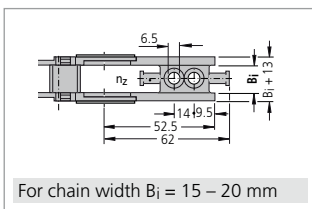
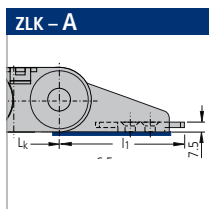
The combs are either clipped to the end connectors and bolted together with them, or screwed on at the desired intervals by using additional boreholes, behind the connecting elements.

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Connecting elements Type 0345

Connecting elements with integrated strain relief combs on both sides



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

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Type	B_i	B_k	b_1	n_Z
034515	15	28	–	1
034520	20	33	–	1
034525*	25	38	13	2
034538	38	51	24	3
034550	50	63	36	4
034565	65	78	51	5

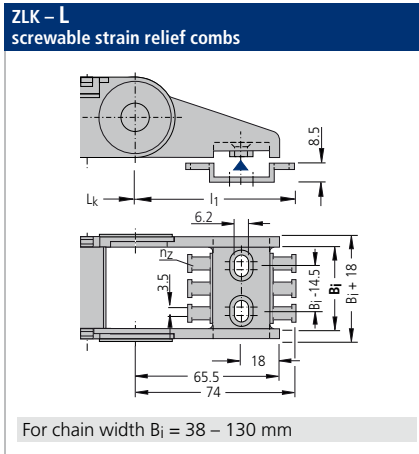
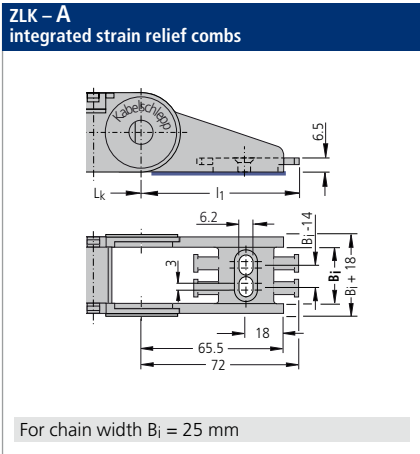
* Type 034525 with 6.5 mm hole (not an elongated hole)

Dimensions in mm

UNIFLEX – Types 0345, 0455, 0555 and 0665

Connecting elements Type 0455

Connecting elements with strain relief combs on both sides



Inside heights



Inside widths



kabelschlepp.de

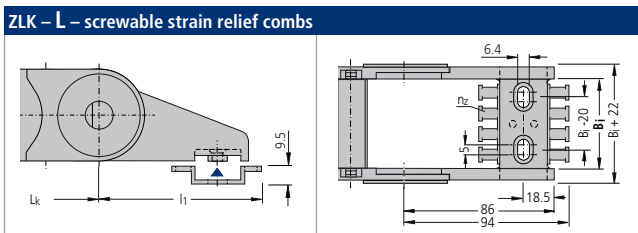
The dimensions of the fixed point and driver connections are identical.

Type	B_i	B_k	n_z
045525	25	43	2
045538	38	56	3
045558	58	76	4
045578	78	96	6
0455103	103	121	8
0455130	130	148	10

Dimensions in mm

Connecting elements Type 0555

Connecting elements with strain relief combs on both sides



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

Type	B_i	B_k	n_z
055550	50	72	4
055575	75	97	6
0555100	100	122	8
0555125	125	147	10
0555150	150	172	12

Dimensions in mm

UNIFLEX – Types 0345, 0455, 0555 and 0665

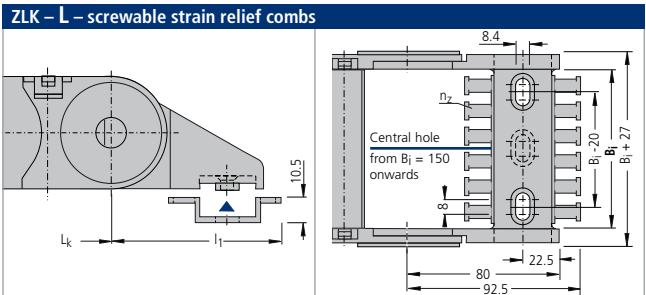
Connecting elements Type 0665

Connecting elements with strain relief combs on both sides

Inside heights



Inside widths



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

Type	B _i	B _k	n _z
0665.50	50	77	4
0665.75	75	102	6
0665.100	100	127	8
0665.125	125	152	10
0665.150	150	177	12
0665.175	175	202	14

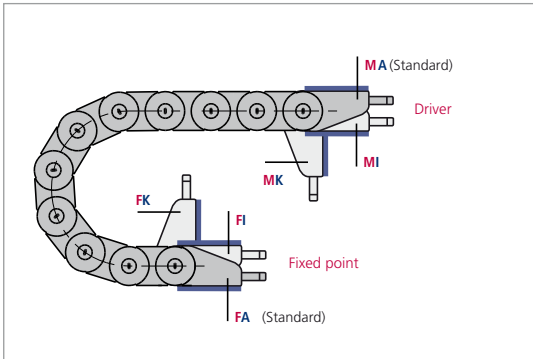
Dimensions in mm

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Connection variants for design 060



Connection point

- M** – Driver
- F** – Fixed point

Connection type

- A** – Threaded joint outside (standard)
- I** – Threaded joint inside
- H** – Threaded joint, rotated through 90° to the outside
- K** – Threaded joint, rotated through 90° to the inside

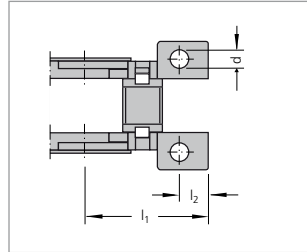
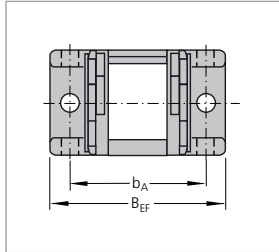
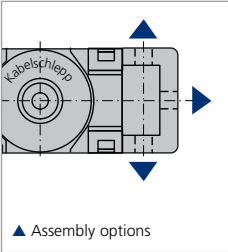
In the standard version, the connectors are mounted with the threaded joint outwards (**FA/MA**).
 When ordering please specify the desired connection type (see ordering key on page 416).
 The connection type can subsequently be altered simply by varying the connectors.

UNIFLEX – Types 0345, 0455, 0555 and 0665

UMB (Universal Mounting Brackets) made of aluminum



Universal connectors for connection above, below or at the front.



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

When ordering please specify the connection type FU/MU (see ordering key on page 416).

Type	B_{EF}	b_A	l_1	l_2	d
0345	$B_i + 30$	$B_i + 20$	36	9	5.5
0455	$B_i + 30$	$B_i + 20$	47	10.5	5.5
0555	$B_i + 40$	$B_i + 28$	57	13.5	6.5
0665	$B_i + 44$	$B_i + 28$	68	14.5	8.5

Dimensions in mm

Inside heights



Inside widths

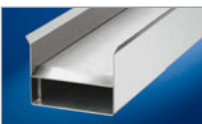


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The online engineer for cable carrier configurations

Guide channels
▶ from page 375



Strain relief devices
▶ from page 381



Cables for cable carrier systems
▶ from page 438



Subject to change.

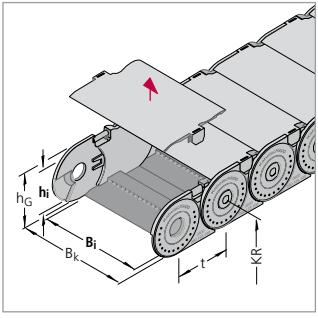
UNIFLEX – Type 0600 Tube, lightweight construction

Design 080 – cable carriers covered on both sides

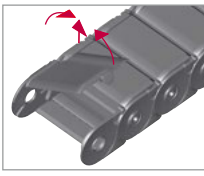
Outside and inside: Covered
 Outside: Detachable cover

Innenhöhe
 44

Inside widths
 50
 125



Cable carrier covered on both sides in a **lightweight design**. Can be opened on the outside for fast cable laying. Provides particularly good protection for the cables from all types of contamination, machining chips and moisture.



Also available with hinged cover – please contact us.

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Dimensions and intrinsic chain weight

Type	h _i	h _G	Inside widths B _i				B _k
			50	75	100	125	
0600	44	61	1.60	1.88	2.15	2.42	B _i + 18
			Intrinsic chain weight				

Dimensions in mm/Weights in kg/m

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Bend radius and pitch

Bend radii KR mm				
100	125	150	175	200

Pitch t = 60.0 mm

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Example of ordering

Cable carrier				Divider system		Connection
0600	080	125	175	1800	TS 0 / 3	FU/MU
Type	Design	Inside width B _i in mm	Bend radius KR in mm	Chain length L _k in mm (with-out connection)	Divider system	Number of dividers n _T Connection Fixed point/Driver

Ordering divider systems:

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

Innenhöhe

44

Inside widths

50
125

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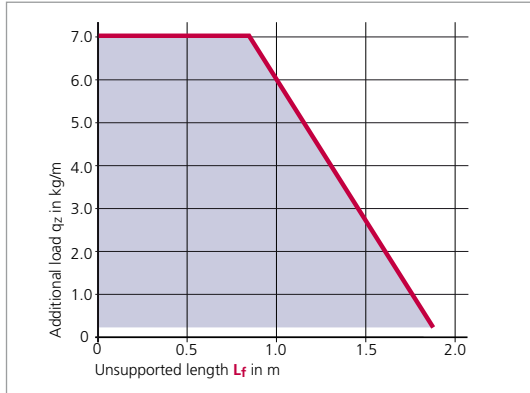
Fon: +49 2762 4003-0

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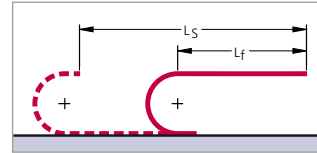
UNIFLEX – Type 0600 Tube, lightweight construction

Load diagram

for unsupported length L_f depending on the additional load



Unsupported length L_f



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

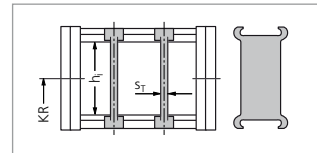
In a gliding arrangement, even longer travel lengths are possible (see page 375).

We are at your service to advise on these applications.

Divider system TS 0

Type	h_i mm	S_T mm
0600	44	3

In the standard version, the dividers can be moved in the cross section. The dividers can be fixed in 10 mm sections simply by re-attaching.

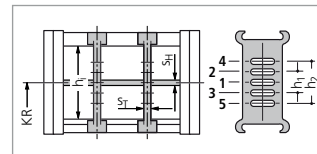


In the standard version, the divider systems are mounted on every second chain link.

Divider system TS 1 with continuous height subdivision

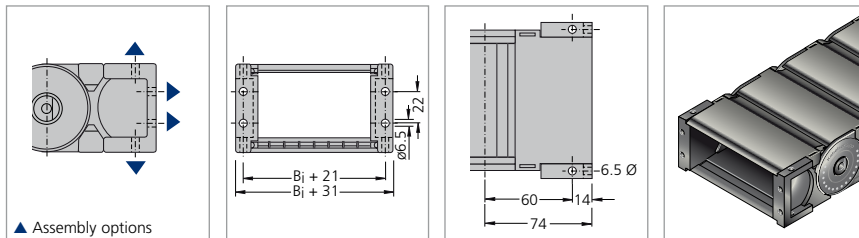
Type	h_i mm	S_T mm	S_H mm	h_1 mm	h_2 mm
0600	44	3	4	14	28

In the standard version, the dividers can be moved in the cross section. The dividers can be fixed in 10 mm sections simply by re-attaching.



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

UMB (Universal Mounting Brackets) made of aluminum



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

When ordering please specify the connection type FU/MU (see ordering key on page 416).

Inside height
60

Inside widths
53 - 300

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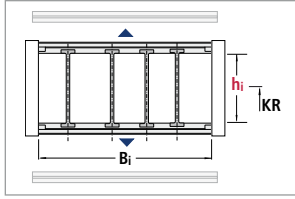
Types MASTER LT

Quiet and weight-optimized cable carriers

- Extremely quiet due to internal noise damping system
- Favorable ratio of inner to outer dimensions
- Standard bend radii, application-specific intermediate radii on request
- Variable pretension for many different applications possible
- Can be opened quickly on the inside and outside for cable laying
- Transmission of forces (tensile and thrust forces) over a large area – optimized link design – "life extending 2 disc principle"
- Wide range of options for internal subdivision
- Closed and open UMBs
- Various strain relief systems optionally available



Type LT with plastic cover system (stay variant RDL)



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Type	hi	Bi	Maximum travel length in m	Dynamics of unsupported arrangement		Page
				Travel speed v _{max} in m/s	Travel acceleration a _{max} in m/s ²	
LT 60	60	53 – 300	6.8*	6	30	295

* only unsupported

Dimensions in mm

Carrier construction and cover system

Available in 25 mm width sections.
Opening options:
 Outside/Inside: Unscrewable cover



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Types MASTER LT 60

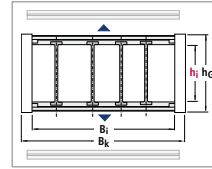
Dimensions and intrinsic chain weight

Plastic cover system (stay variant RDL)

Type	Stay variant	h _i	h _G	B _i min*	q _k min	B _i max	q _k max	B _k	Widths section
LT 60	RDL	60	88	75	3.21	300	6.07	B _i + 28	25

* also B_i 53 mm available

Dimensions in mm/Weights in kg/m



Inside height



Inside widths



Bend radius and pitch

Type	Bend radii KR mm								
LT 60	150	200	250	300	350	400	500	-	-

Pitch:

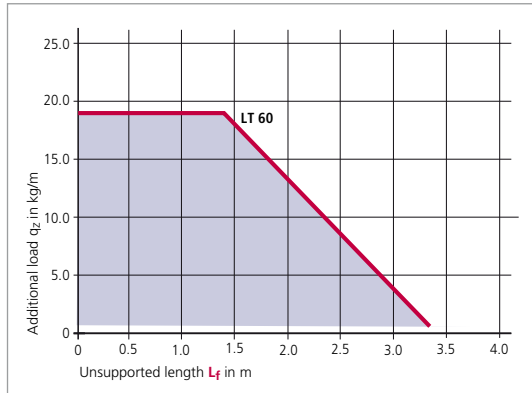
LT 60: t = 91 mm

The listed values are standard bend radii. For special applications it is also possible, to set any desired intermediate radii at the production stage.

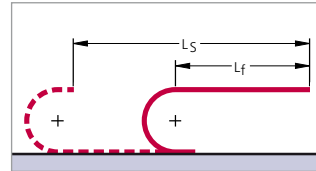
Please do get in touch with us, we would be happy to advise you.

Load diagram

for unsupported length L_f depending on the additional load*



Unsupported length L_f



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

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

We are at your service to advise on these applications.

Determining the length of the cable carrier see page 46.

* Load diagram for intrinsic chain weight q_k of 4.0 kg/m (L 60).

If the chain intrinsic weight exceeds these values, the permissible additional load is reduced by the difference.

Example of ordering

Cable carrier					Divider system		Connection
LT 60	300	RDL	300	1820	TS 0	3	FU/MU
Type	Inside width B _i in mm	Stay variant	Bend radius KR in mm	Chain length L _k in mm (without connection)	Divider system	Number of dividers n _T	Connection* Fixed point/Driver

Ordering divider systems:

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

* If the standard connector is not required, please state this on the order.

Types MASTER LT 60

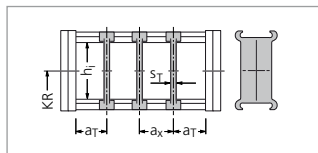
Divider system TS 0

Inside height
60

Inside widths
53
300

Type	h _i mm	S _T mm	a _T min mm	a _x min mm
LT 60	60	4	9	16

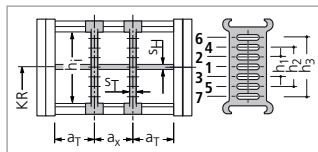
The dividers can be moved in the cross section. Dimensions in mm
In the standard version, the divider systems are mounted on every second chain link.



Divider system TS 1 with continuous height subdivision made of aluminum

Type	h _i mm	S _T mm	a _T min mm	a _x min mm	S _H mm	h ₁ mm	h ₂ mm	h ₃ mm
LT 60	60	4	9	16	4	15	30	45

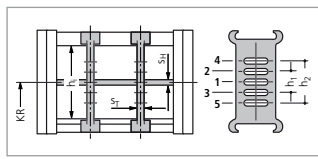
The dividers can be moved in the cross section. Dimensions in mm
In the standard version, the divider systems are mounted on every second chain link.



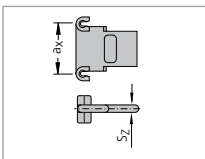
Divider system TS 3 with section subdivision, partitions made of plastic

Type	h _i mm	S _T mm	a _T min mm	a _x min mm	S _H mm	h ₁ mm	h ₂ mm
LT 60	60	8	6	16*	4	14	28

* When using plastic partitions Dimensions in mm
The dividers are fixed by the partitions, the complete divider system is movable.
In the standard version, the divider systems are mounted on every second chain link.



Dimensions of the plastic partitions for TS 3



Sz	a _x (center-to-center dividers)									
4	16	18	23	28	32	33	38	43	48	58
	64	68	78	80	88	96	112	128	144	160
	176	192	208	-	-	-	-	-	-	-

Dimensions in mm

Aluminum partitions in 1 mm width sections are also available.
When using **partitions with a_x > 112 mm** there should be an additional central support with a **twin divider**.
Twin dividers are designed for subsequent fitting in the partition system.

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Types MASTER LT 60

UMB (Universal Mounting Brackets) made of plastic

Various universal mounting brackets made of plastic provide a suitable connection for any assembly situation. Each type can be screwed from above, below or as a flange.



Inside height

60

Inside widths

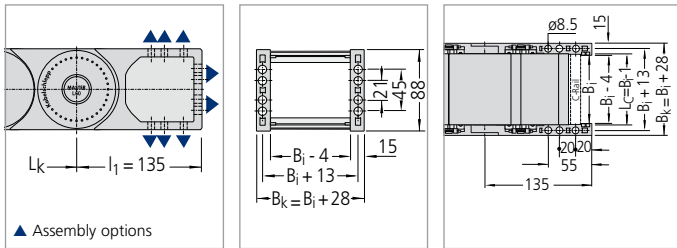
53

300

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Connection dimensions

Standard connector and short, open connector



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

Optional C-rails and strain relief elements for cables can be found on the following pages.

When ordering please specify the connection type FU/MU (see ordering key on page 419).

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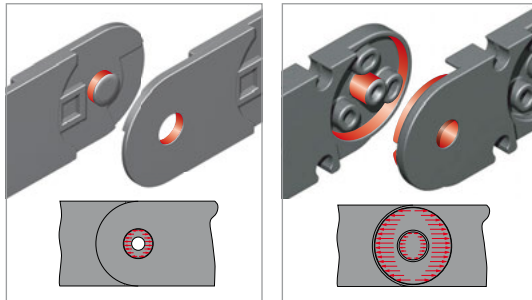
Minimized hinge wear owing to the "life extending 2 disc principle"

In the MASTER Series, the push and pull forces are transmitted via the optimum link design for this purpose.

As a result link wear is reduced to a minimum and the life of the cable carrier is considerably lengthened.

The internal stopper and pre-tensioning dampers have a noise-muffling effect. This makes the chain particularly quiet.

Should your application require it, the pre-tensioning (in deviation from the standard pre-tensioning) can be adjusted at the time of production. We can produce a cable carrier with a pre-tension which is exactly suited to the load values of your application.



■ Force transmission with a pin-hole joint

■ Force transmission with the "life extending 2 disc principle"

Types MASTER LT 60

Strain relief devices

C-rails for LineFix bracket clamps, SZL strain reliefs and clamps

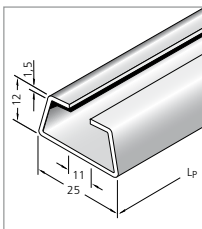
The optional C-rails are fixed by means of the universal mounting brackets and do not have to be screwed separately.

Please state in your order whether C-rails are needed.

Inside height



Inside widths



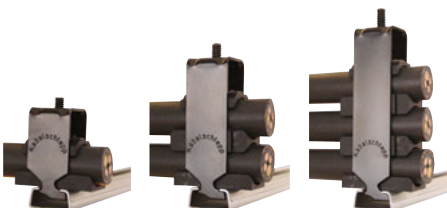
■ Universal mounting bracket with C-rail

■ **MASTER LT:**
Integratable C-rail
25 x 12 mm,
slit width 11 mm,
material steel,
Item-No. 3934

Our LineFix strain reliefs are optimally suited for the C-rails. (LineFix bracket clamps and other strain relief devices – see Accessories chapter, from page 381 onwards).



■ C-rail with LineFix strain relief



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project planning service.

Guide channels
▶ from page 375



Strain relief devices
▶ from page 381



Cables for cable carrier systems
▶ from page 438



Notes

Inside height



Inside widths



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The Online Engineer
Cable Center - OnlineEngineer

Inside heights



Inside widths

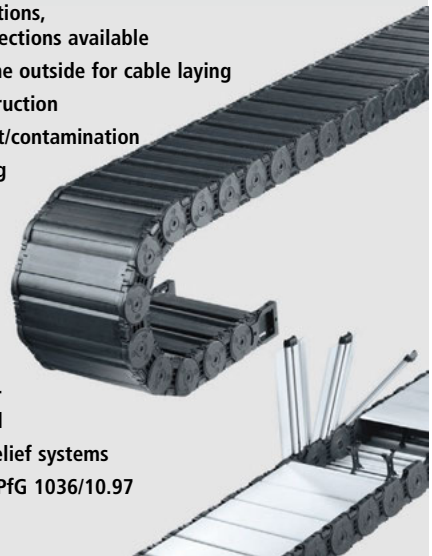


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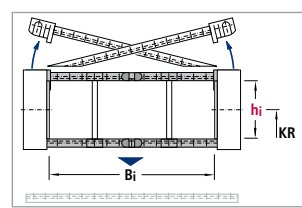
MT Series

Multivariable cable carrier with plastic or aluminum cover system

- Aluminum cover system in 1 mm width sections, plastic cover system in 8 or 16 mm width sections available
- Can be opened quickly on the inside and the outside for cable laying
- Extremely robust due to stable plate construction
- Enclosed stroke system not sensitive to dirt/contamination
- Transmission of forces (tensile and shearing forces) over a large surface area via the optimum link design – according to the “life extending 2 disc principle”
- Standard universal mounting brackets (UMBs)
- Many separation options for the cables
- Highly wear-resistant, replaceable glide shoes available – resulting in minimal wear at high speeds, sliding in the guide channel
- Optionally available with different strain relief systems
- TÜV design approved in accordance with 2PFG 1036/10.97



Type MT with plastic cover system (stay variant RDD)



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Type	h _i	B _i	Maximum travel length in m	Dynamics of unsupported arrangement		Page
				Travel speed v _{max} in m/s	Travel acceleration a _{max} in m/s ²	
MT 0475	26	24-280	100	10	40	302
MT 0650	38.5	50-258	170	8	35	302
MT 0950	54.5	77-349	230	6	25	302
MT 1250	68.5	103-359	270	5	20	302

Dimensions in mm

Carrier construction and cover system

MT 0475, 0650:
Available in 8 mm width sections.

MT 0950, 1250:
Available in 16 mm width sections.

Opening options

Outside: Simply by levering the cover open (on the right or left). Cover can also be removed

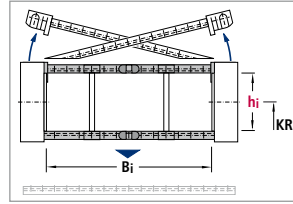
Inside: Simply by turning the cover

MT 0475 is available with a cover that can be levered open to the inside. Please specify when ordering.



Subject to change.

Type MT with aluminum cover system (stay variant RMD)



Inside heights

26
-
87

Inside widths

24
-
800

Type	h_i	B_i	Maximum travel length in m	Dynamics of unsupported arrangement		Page
				Travel speed v_{max} in m/s	Travel acceleration a_{max} in m/s^2	
MT 0650	38.5	100-500	170	8	35	302
MT 0950	54.5	100-600	230	6	25	302
MT 1250	68.5	150-800	270	5	20	302
MT 1300	87	100-800	300	5	20	302

Dimensions in mm

Carrier construction and cover system

WIDTHSECTIONS



Available in 1 mm width sections.

Opening options (MT 0650, 0950, 1250)

Outside: Simply by levering the cover open

(on the right or left). Cover can also be removed

Inside: Simply by turning the cover

Opening options (MT 1300)

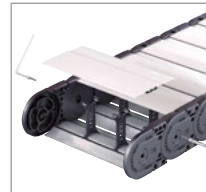
Inside/Outside: Bolted cover for maximum stability



■ Cover openable (MT 0650, 0950, 1250)



■ Cover bolted (MT 1300)

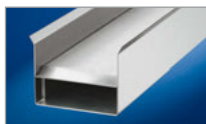


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The cable engineer
Cable carrier configuration

Guide channels
► from page 375



Strain relief devices
► from page 381



Cables for cable carrier systems
► from page 438



Types MT 0475, 0650, 0950, 1250 and 1300

Dimensions and intrinsic chain weight

Inside heights



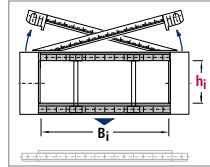
Inside widths



Plastic cover systems (stay variant RDD)

Type	Stay variant	h _i	h _G	B _i min	q _k min	B _i max	q _k max	B _k	Width section
MT 0475	RDD	26	39	24	0.9	280	4.4	B _i + 17	8
MT 0650	RDD	38.5	57	50	2.4	258	3.7	B _i + 34	8
MT 0950	RDD	54.5	80	77	4.3	349	7.7	B _i + 39	16
MT 1250	RDD	68.5	96	103	5.7	359	8.9	B _i + 45	16

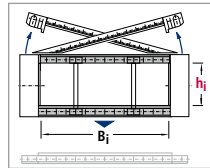
Dimensions in mm/Weights in kg/m



Aluminum cover systems (stay variant RMD)

Type	Stay variant	h _i	h _G	B _i min	q _k min	B _i max	q _k max	B _k
MT 0475	RMD	26	39	24	0.9	180	4.5	B _i + 17
MT 0650	RMD	38.5	57	100	3.3	500	9.7	B _i + 34
MT 0950	RMD	54.5	80	100	5.5	600	16.2	B _i + 39
MT 1250	RMD	68.5	96	150	9.0	800	26.0	B _i + 45
MT 1300	RMD	87	120	100	8.8	800	27.4	B _i + 50

Dimensions in mm/Weights in kg/m



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Bend radius and pitch

Type	Bend radii KR mm								
MT 0475	75	100	130	160	200	250	300	-	-
MT 0650	95*	115	145	175	220	260	275	300	350
MT 0950	140*	170*	200	260	290	320	380	-	-
MT 1250	220*	260	300	340	380	500	-	-	-
MT 1300	240	280	320	360	400	500	-	-	-

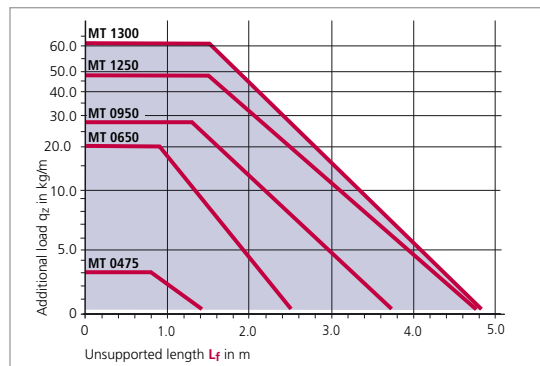
* not for aluminum cover system RMD

Pitch:

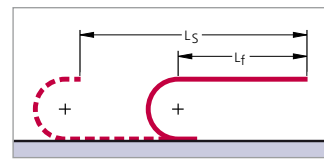
- MT 0475: t = 47.5 mm
- MT 0650: t = 65 mm
- MT 0950: t = 95 mm
- MT 1250: t = 125 mm
- MT 1300: t = 130 mm

Load diagram

for unsupported length L_f depending on the additional load



Unsupported length L_f



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

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

We are at your service to advise on these applications.

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Example of ordering

Cable carrier: **MT 0950** . **450** . **RMD** . **290** - **2850**

Type: Inside width B_i in mm Stay variant Bend radius KR in mm Chain length L_k in mm (without connection)

Divider system: **TS 0** / **4**

Connection: **FU/MU**

Divider system: Divider system Number of dividers n_T Connection: Fixed point/Driver

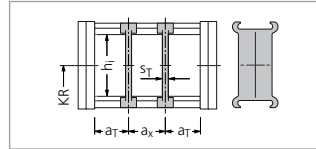
Ordering divider systems:

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

Types MT 0475, 0650, 0950, 1250 and 1300

Divider system TS 0

Type	Stay variant	h _j mm	S _T mm	a _T min mm	a _x min mm	a _x section mm
MT 0475	RDD	26	2.8	12	8	8
MT 0650	RDD	38.5	4.2	13	16	8
MT 0650	RMD	38.5	3	16	13	–
MT 0950	RDD	54.5	6	22.5	16	16
MT 0950	RMD	54.5	4	7	14	–
MT 1250	RDD	68.5	8	19.5	16	16
MT 1250	RMD	68.5	5	10	20	–
MT 1300	RMD	87	5	7.5	15	5



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

Inside heights



Inside widths

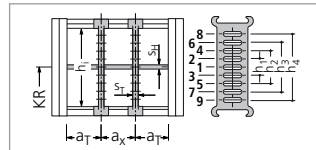


With plastic cover systems (RDD), the dividers are fixed in the cross-section (at intervals of a_x-section). With aluminum cover systems (RMD), the dividers can be moved.

Divider system TS 1 with continuous height subdivision made of aluminum

Type	Stay variant	h _j mm	S _T mm	a _T min mm	a _x min mm	a _x section mm	S _H mm	h ₁ mm	h ₂ mm	h ₃ mm	h ₄ mm
MT 0475	RDD	26	2.8	12	8	8	2.4	15	–	–	–
MT 0650	RDD	38.5	4.2	13	16	8	4	10	22	–	–
MT 0650	RMD	38.5	3	16	13	–	4	–	–	–	–
MT 0950	RDD	54.5	6	22.5	16	16	4	22	–	–	–
MT 1250	RDD	68.5	8	19.5	32	16	4	32	–	–	–
MT 1300	RMD	87	5	7.5	15	–	4	14	28	42	56

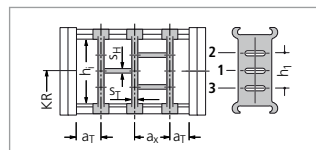
With plastic cover systems (RDD), the dividers are fixed in the cross-section (at intervals of a_x-section). With aluminum cover systems (RMD), the dividers can be moved.



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

Divider system TS 2 with grid subdivision made of aluminum (1 mm grid)

Type	Stay-variant	h _j mm	S _T mm	a _T min mm	a _x min mm	a _x section mm	S _H mm	h ₁ mm	h ₂ mm	h ₃ mm
MT 0475	RDD	26	2,8	12	8	8	2,4	15	–	–
MT 0650	RDD	38,5	4,2	13	16	8	4	10	–	–
MT 0950	RMD	54	6	7	16	–	4	15	30	–
MT 1250	RMD	69	6	7	16	–	4	15	30	45



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

With plastic cover systems (RDD), the dividers are fixed in the cross-section (at intervals of a_x-section). With aluminum cover systems (RMD), the dividers are fixed by the partitions, the complete divider system is movable.

Divider system TS 3 can be found on the following page.

Types MT 0475, 0650, 0950, 1250 and 1300

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

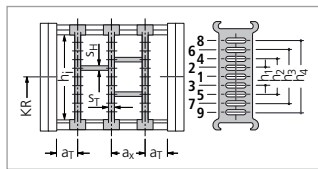
Inside heights



Inside widths



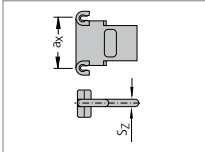
Type	Stay variant	h ₁ mm	S _T mm	a _T min mm	a _x min mm	S _H mm	h ₁ mm	h ₂ mm	h ₃ mm	h ₄ mm
MT 0950	RDD	54.5	8	6.5	16*	4	14	28	42	–
MT 1250	RDD	68.5	8	4	16*	4	14	28	42	56
MT 1300	RMD	87	8	7.5	16*	4	14	28	42	56



* When using plastic partitions

With plastic cover systems (RDD), the dividers are fixed in the cross-section. In the standard version, the divider systems are mounted on every second chain link.

Dimensions of plastic partitions for TS 3



S _Z	a _x (center-to-center distance, dividers)									
4	16	18*	23*	28*	32	33*	38*	43*	48	58*
	64	68*	78*	80	88*	96	112	128	144	160
	176	192	208	–	–	–	–	–	–	–

* only MT 1300

Dimensions in mm

Aluminum partitions in 1 mm width sections are also available.

When using partitions with a_x > 112 mm there should be an additional central support with a twin divider (S_T = 4 mm).

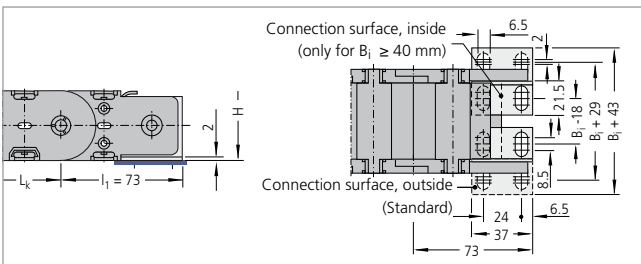
Twin dividers are designed for subsequent fitting in the partition system.

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Connectors of plastic/steel – Type MT 0475

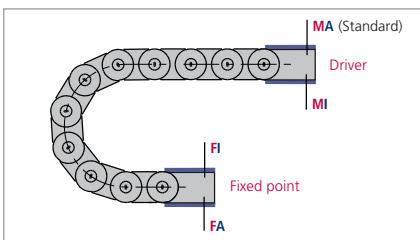
End connector of steel plate

Screwable strain relief of aluminum on inquiry.



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

Connection variants – Type MT 0475



Connection point

- M – Driver
- F – Fixed point

Connection type

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

In the standard version, the connectors are mounted with the threaded joint outwards (FA/MA).

When ordering please specify the desired connection type (see ordering key on page 419).

The connection type can subsequently be altered.

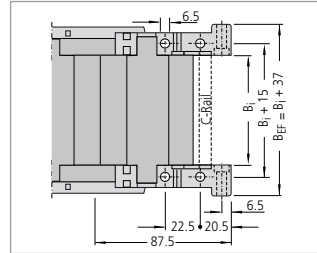
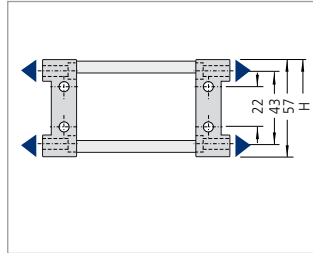
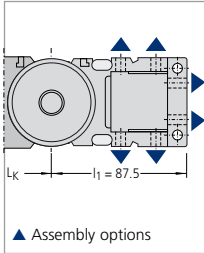
Glide shoes and "life extending 2 disc principle" – see page 308.

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Types MT 0475, 0650, 0950, 1250 and 1300

UMB-connectors of aluminum – Type MT 0650



Inside heights

26
-
87

Inside widths

24
-
800

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

End connectors of steel plate available on inquiry.

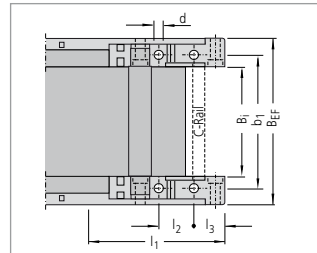
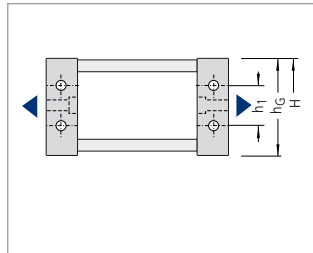
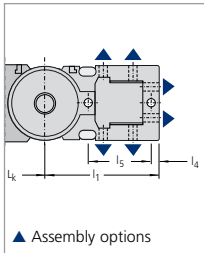
Optional C-rails and strain relief elements for cables can be found on the following pages.

When ordering please specify the connection type FU/MU (see ordering key on page 419).



UMB-connectors of aluminum – Types MT 0950, 1250

UMB-connectors of plastic – Type MT 1300



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

End connectors of steel plate available on inquiry.

Optional C-rails and strain relief elements for cables can be found on the following pages.

When ordering please specify the connection type FU/MU (see ordering key on page 419).

Type	B _{EF}	b ₁	d	l ₁	l ₂	l ₃	l ₄	l ₅	h ₁	h _G
MT 0950	B _i + 44	B _i + 24.5	8,5	136	35	24.5	8.5	80	45	80
MT 1250	B _i + 51	B _i + 28	11	168	35	31	10.5	94.5	45	96
MT 1300	B _i + 50	B _i + 29	11	158	35	20	-	-	66	120

B_{EF} = Chain width over connector

Dimensions in mm

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Types MT 0475, 0650, 0950, 1250 and 1300

Strain relief devices

Both-sided strain relief combs made of plastic (MT 0650)

The cables can be fixed securely and simply using the **optional strain relief combs**.

The strain relief combs are installed between the UMBs, and do not need to be bolted on separately or mounted on a C-Rail.

Please state on the order whether strain relief combs are needed.

Inside
heights



Inside
widths



■ Universal mounting bracket with strain relief comb



■ Both-sided strain relief comb

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■ Fixing in the UMB.

Type	B _i mm	n _z
MT 0650	50	3
MT 0650	75	5
MT 0650	95	7
MT 0650	100	7
MT 0650	115	8
MT 0650	120	9
MT 0650	125	9
MT 0650	145	11
MT 0650	150	11
MT 0650	170	13
MT 0650	175	13
MT 0650	195	15
MT 0650	200	15
MT 0650	225*	17
MT 0650	250*	19

n_z = Number of teeth on one side of the comb

* on request

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Inside heights



Inside widths



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 Cable Chain Engineering

Types MT 0475, 0650, 0950, 1250 and 1300

Strain relief devices

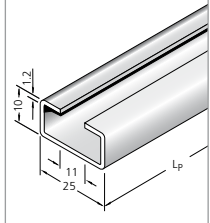
C-rails for LineFix bracket clamps, SZL strain reliefs and clamps

The optional C-rails are fixed by means of the universal mounting brackets and do not have to be screwed separately.

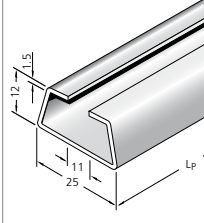
Please state in your order whether C-rails are needed.



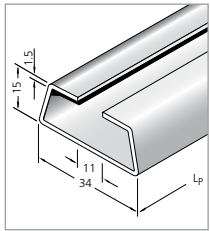
■ Universal mounting bracket with C-rail



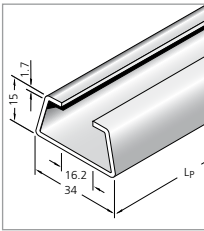
■ **MT 0650:**
 Integratable C-rail
 25 x 10 mm,
 slit width 11 mm,
 material steel,
 Item-No. 3931



■ **MT 1300:**
 Integratable C-rail
 25 x 12 mm,
 slit width 11 mm,
 material steel,
 Item-No. 3934



■ **MT 0950, 1250 and 1300:**
 Integratable C-rail
 34 x 15 mm,
 slit width 11 mm,
 material steel,
 Item-No. 3935

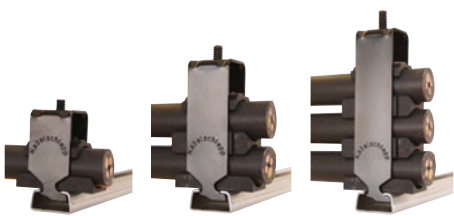


■ **MT 0950, 1250 and 1300:**
 Integratable C-rail
 34 x 15 mm,
 slit width 16 – 17 mm,
 material aluminum,
 Item-No. 3926,
 material steel,
 Item-No. 3932

Our LineFix strain reliefs are optimally suited for the C-rails. (LineFix bracket clamps and other strain relief devices – see Accessories chapter, from page 381 onwards).



■ C-rail with LineFix strain relief



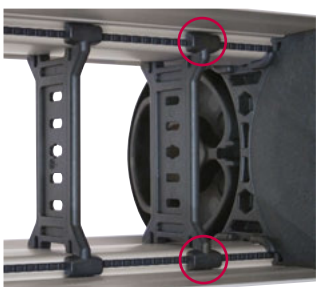
Types MT 0475, 0650, 0950, 1250 and 1300

Fixing the dividers in 5 mm steps – Type MT 1300

In the standard version, dividers or the complete divider system (dividers with height separation) can be moved in the cross section.

Fixing profiles can be used to fix the dividers or complete divider systems. Also best suited for applications where the carrier is rotated through 90° with extreme transverse accelerations (fixable dividers for stay variant RMD).

If the fixed installation version is required, please state this when placing your order.



■ Secure seating of the dividers due to fixing on both sides.



■ The fixing profiles are simply pushed into the cover (RMD).

Inside heights
26
87

Inside widths
24
800

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Gliding elements – the economical solution for gliding applications

Replaceable glide shoes made of plastic

To extend the life of cable carriers in gliding operations KABELSCHLEPP supplies detachable, exchangeable glide shoes. Replaceable glide shoes are a very economical solution. When wear occurs only the glide shoes are replaced, and not the complete cable carrier. For travel speeds > 2.5 m/s and large additional loads, a highly wear-resistant special material is used.

For types MT 0950 and MT 1250 **OFFROAD glide shoes** with 80 % greater wear volumes are also available. We recommend their use in extreme environmental conditions (with particularly abrasive materials such as e. g. sand, dust, corundum).



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

Chain height with glide shoes:

MT 0475:	$h_{G'} = h_G + 2.5 = 41.5$
MT 0650:	$h_{G'} = h_G + 3.2 = 60.2$
MT 0950:	$h_{G'} = h_G + 3.5 = 83.5$
MT 1250:	$h_{G'} = h_G + 3.5 = 99.5$
MT 1300:	$h_{G'} = h_G + 7.0 = 127.0$

In the case of the type MT 0475, with the bend radius $KR = 75$ mm no glide shoes can be used.

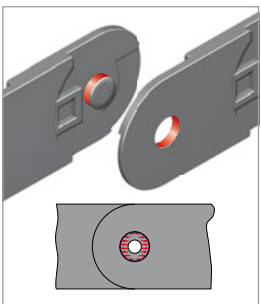
Dimensions in mm

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

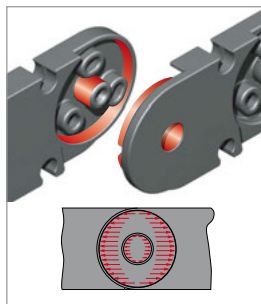
In the M Series*, the push and pull forces are transmitted via the optimum link design for this purpose.

As a result link wear is reduced to a minimum and the life of the cable carrier is considerably lengthened.

* not for type 0320



■ Force transmission with a pin-hole joint



■ Force transmission with the "life extending 2 disc principle"

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Notes

Inside heights



Inside widths



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Cable Center - 24/7/365

Type TKC91

Easy to assemble, stable cable carriers with variable dimensions

Inside heights



Inside widths



- Plastic covers available in 50 mm width sections
- Can be opened quickly on the inside and outside for cable laying
- Extremely robust due to stable plate construction
- Universal connectors (UMB)
- Many separation options for the cables
- Replaceable glide shoes for long service life for gliding applications



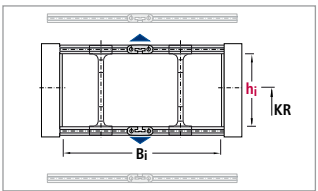
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Type	h _i	B _i	Maximum travel length in m	Dynamics of unsupported arrangement		Page
				Travel speed v _{max} in m/s	Travel acceleration a _{max} in m/s ²	
TKC 0910H56	56	150-400	80	5	30	311
TKC 0910H80	80	150-400	100	5	30	311

Dimensions in mm



Type TKC91

Dimensions and intrinsic chain weight

Type	h_i	h_G	Inside widths B_i						B_k
			Intrinsic chain weight						
TKC 0910H56	56	84	150	200	250	300	350	400	$B_i + 41$
			5.4	6.2	7.0	7.7	8.5	9.2	
TKC 0910H80	80	108	150	200	250	300	350	400	$B_i + 50$
			7.8	8.6	9.3	10.1	10.8	11.6	

Dimensions in mm/Weights in kg/m

Inside heights



Inside widths



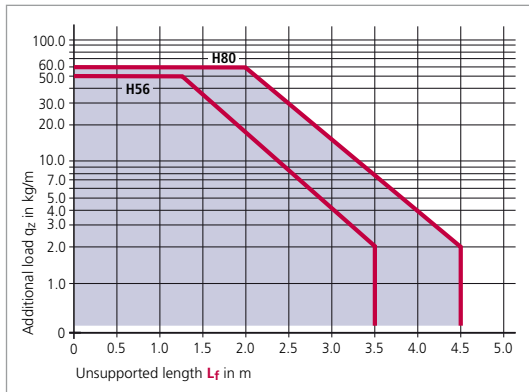
Bend radius and pitch

Type	Bend radii KR mm							
	TKC 0910H56	200	250	300	350	400	-	-
TKC 0910H80	150	200	250	300	350	400	450	500

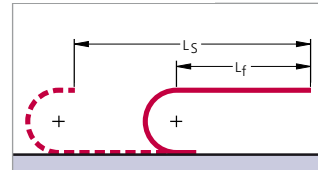
Pitch:
TKC 0910: $t = 91$ mm

Load diagram

for unsupported length L_f depending on the additional load



Unsupported length L_f



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

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

We are at your service to advise on these applications.

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Example of ordering

Cable carrier			Divider system		Connection
TKC 0910H80	300	250	1820	TS 0 / 4	UMB
Type	Inside width B_i in mm	Bend radius KR in mm	Chain length L_k in mm (without connection)	Divider system	Number of dividers n_T
					Connection Fixed point/Driver

Ordering divider systems:

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

Type TKC91

Fixing the dividers

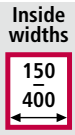
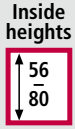
In the standard version, dividers or the complete tube system (dividers with height separation) can be moved in the cross section.

(Mounting version A)

However, it is often also possible to fix dividers or complete divider systems (dividers with height separation).

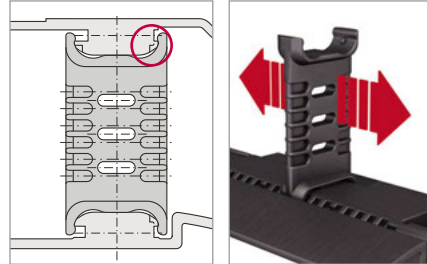
(Mounting version B).

If the fixed mounting version is desired, please state this when placing your order.



Mounting version A (standard)

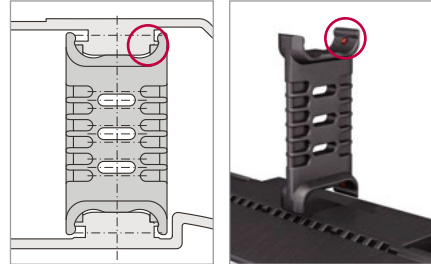
Movable divider



■ Divider without arresting cams

Mounting version B

Fixed divider



■ Divider with arresting cams

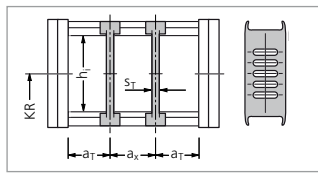
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Divider system TS 0

Type	h _i mm	Version A			Version B			
		S _T mm	a _T min mm	a _x min mm	S _T mm	a _T min mm	a _x min mm	a _x section mm
TKC 0910H56	56	6	20	14	6	31/32/33*	18	6
TKC 0910H80	80	6	20	14	6	31/32/33*	18	6

* a_T min = 31 mm for B_i = 200, 350, 500
 a_T min = 32 mm for B_i = 250, 400
 a_T min = 33 mm for B_i = 150, 300, 450



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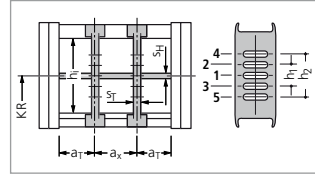
Type TKC91

Divider system TS 1

with continuous height subdivision made of aluminum

Type	h _i mm	Version A				Version B				S _H mm	h ₁ mm	h ₂ mm
		S _T mm	a _T min mm	a _x min mm	S _T mm	a _T min mm	a _x min mm	a _x section mm				
TKC 0910 H56	56	6	20	14	6	31/32/33*	18	6	4	24	–	
TKC 0910 H80	80	6	20	14	6	31/32/33*	18	6	4	24	48	

* a_T min = 31 mm for B_i = 200, 350, 500
 a_T min = 32 mm for B_i = 250, 400
 a_T min = 33 mm for B_i = 150, 300, 450



Inside heights

56
80

Inside widths

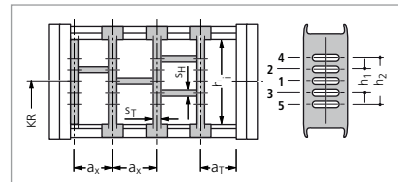
150
400

Divider system TS 3

with section subdivision, partitions made of aluminum

Type	h _i mm	Version A				Version B				S _H mm	h ₁ mm	h ₂ mm
		S _T mm	a _T min mm	a _x min mm	S _T mm	a _T min mm	a _x min mm	a _x section mm				
TKC 0910 H56	56	6	20	14	6	31/32/33*	18	6	4	24	–	
TKC 0910 H80	80	6	20	14	6	31/32/33*	18	6	4	24	48	

* a_T min = 31 mm for B_i = 200, 350, 500
 a_T min = 32 mm for B_i = 250, 400
 a_T min = 33 mm for B_i = 150, 300, 450



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

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Gliding elements – the economical solution for gliding applications

Replaceable glide shoes made of plastic

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

Chain height with glide shoes:

TKC 0910H56 h_G' = h_G + 10 = 94
 TKC 0910H80 h_G' = h_G + 10 = 118

Dimensions in mm

Minimum bend radii when using glide shoes:

KR_{min} = 200 mm



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

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 Ihre Online-Kabelschlepp-Planung
 Cable carrier configuration

Type TKC91

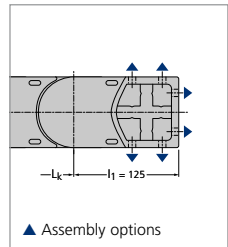
UMB (Universal Mounting Brackets) made of plastic – TKC 0910H56

Universal connectors for connection above, below or at the front.

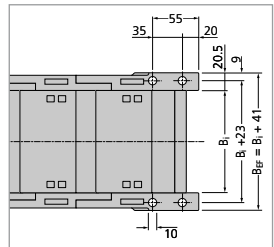
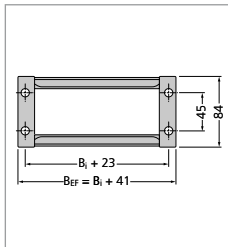
Inside heights



Inside widths



▲ Assembly options

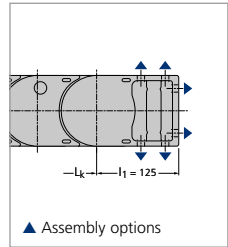


The dimensions of the fixed point and driver connections are identical.

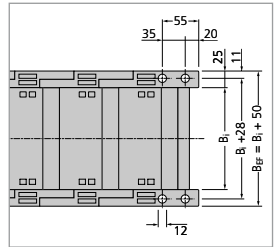
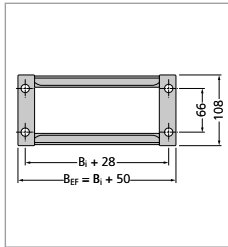
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UMB (Universal Mounting Brackets) made of plastic – TKC 0910H80

Universal connectors for connection above, below or at the front.



▲ Assembly options

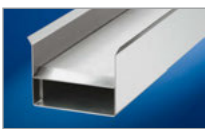


The dimensions of the fixed point and driver connections are identical.

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Guide channels
 ▶ from page 375



Strain relief devices
 ▶ from page 381



Cables for cable carrier systems
 ▶ from page 438



Inside height



Inside widths

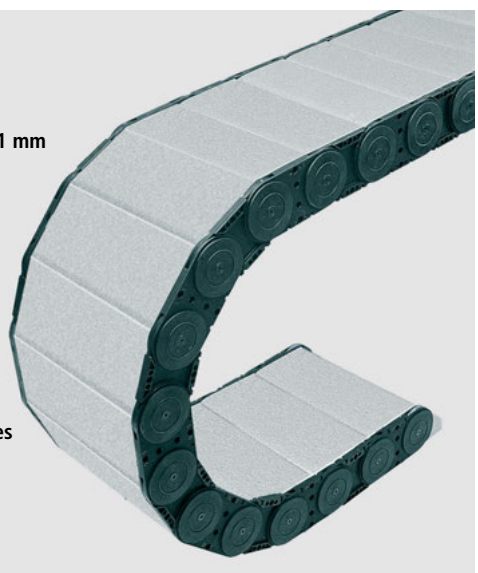


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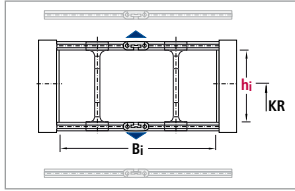
XLT Series

TUBES with variable chain widths

- Aluminum cover systems available in 1 mm width sections
- Large dimensions
- Can be quickly opened on the inside and outside for cable laying
- Highly wear-resistant, replaceable glide shoes available – resulting in minimal wear at high speeds, sliding in the guide channel
- Different connection variants
- Different ways of separating the cables
- Optionally with strain relief
- TÜV design approved in accordance with 2PFG 1036/10.97



Type XLT with aluminum cover system (stay variant RMD)



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Type	h _i	B _i	Maximum travel length in m	Dynamics of unsupported arrangement		Page
				Travel speed v _{max} in m/s	Travel acceleration a _{max} in m/s ²	
XLT 1650	105	200-1000	300	4	20	317

Dimensions in mm

Carrier construction and cover system

WIDTHSECTIONS



Available in 1 mm width sections.
RMD cover system made of aluminum – solid version
 Bolted, high stability, large carrier widths



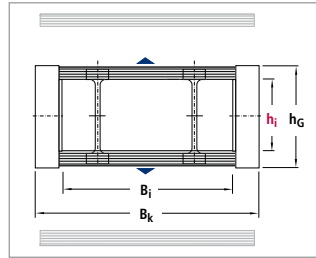
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Type XLT 1650

Dimensions and intrinsic chain weight

Type	Stay variant	h_i	h_G	B_i min	q_k min	B_i max	q_k max	B_k
XLT 1650	RMD	105	140	200	17	1000	50	$B_i + 68$

Dimensions in mm



Inside height

105

Inside widths

200
1000

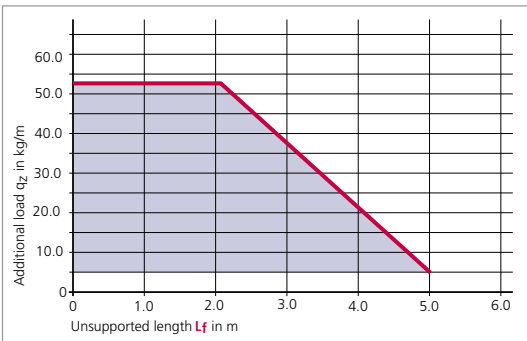
Bend radius and pitch

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

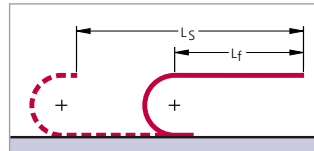
Pitch $t = 165$ mm

Load diagram

for unsupported length L_f depending on the additional load



Unsupported length L_f



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

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

We are at your service to advise on these applications.

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Example of ordering

Cable carrier

XLT 1650	700	RMD	400	4950
Type	Inside width B_i in mm	Stay variant	Bend radius KR in mm	Chain length* L_k in mm (without connection)

Divider system

TS 0	4
Divider system	Number of dividers n_T

Connection

FA/MA
Connection Fixed point/Driver

Ordering divider systems:

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

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

Type XLT 1650

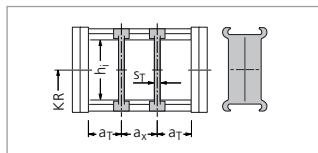
Divider system TS 0

Inside height
105

Inside widths
200
1000

Type	Stay variant	h _i mm	S _T mm	a _T min mm	a _x min mm
XLT 1650	RMD	105	8	6	25

The dividers can be moved in the cross section.



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

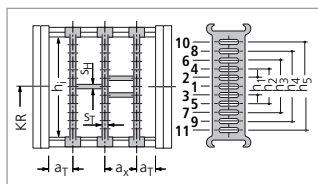
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Divider system TS 3 with section subdivision, partitions made of plastic

Type	Stay variant	h _i mm	S _T mm	a _T min mm	a _x min mm	S _H mm	h ₁ mm	h ₂ mm	h ₃ mm	h ₄ mm	h ₅ mm
XLT 1650	RMD	105	8	1	16*	4	14	28	42	56	70

* When using plastic partitions

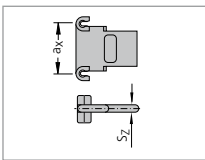
The dividers are fixed by the partitions, the complete divider system is movable.



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

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Dimensions of the plastic partitions for TS 3



S _z	a _x (center-to-center dividers)										
4	16	18	23	28	32	33	38	43	48	58	
	64	68	78	80	88	96	112	128	144	160	
	176	192	208	-	-	-	-	-	-	-	-

Dimensions in mm

Aluminum partitions in 1 mm width sections are also available.

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

Gliding elements – the economical solution for gliding applications

Replaceable glide shoes made of plastic

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

Chain height with glide shoes:

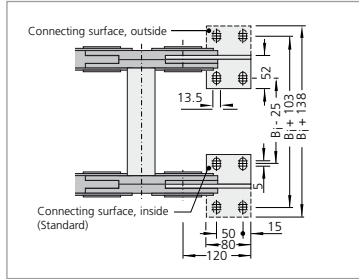
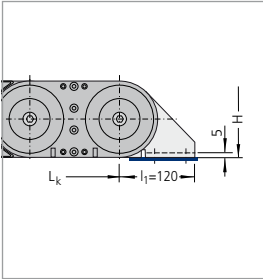
h_{G'} = 147 mm



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

Type XLT 1650

Connectors made of steel plate



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

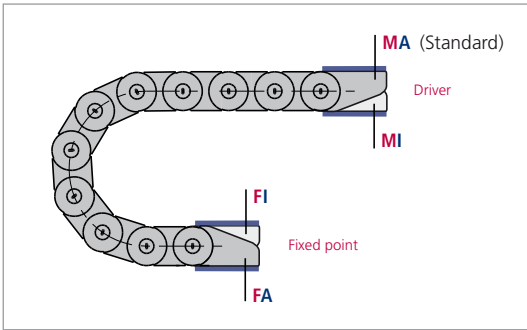
Inside height

105

Inside widths

200
1000

Connection variants



Connection point

- M** – Driver
- F** – Fixed point

Connection type

- A** – Threaded joint (standard)
- I** – Threaded joint, inside

In the standard version, the connectors are mounted with the threaded joint outwards (**FA/MA**).

When ordering please specify the desired connection type (see ordering key on page 419).

The connection type can subsequently be altered.

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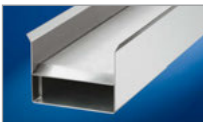
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 Cable Carrier Engineering

Guide channels
 ▶ from page 375

Strain relief devices
 ▶ from page 381

Cables for cable carrier systems
 ▶ from page 438



Subject to change.

Inside
heights30
104Inside
widths70
1000

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Steel Cable Carriers – STEEL TUBES

The solution for extreme applications.
Cable carriers with chainbands
made of zinc plated steel and of high-grade
stainless steel

- Available in 1 mm section widths
- Extremely robust stable steel chains for heavy mechanical loads and harsh environmental conditions
- Long unsupported lengths also for large additional loads
- Various types available in different dimensions
- Link design with special bolts for a long service life

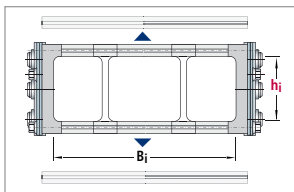


Types S/SX 0650, 0950, 1250, 1800

Type	h_i	B_i	Bend radii in mm		Travel length L_s in m	
			min.	max.	Unsupported arrangement*	Maximum travel length
S/SX 0650	30	70-400	75	300	6	60
S/SX 0950	44	125-600	125	410	9	60
S/SX 1250	69	130-800	145	1000	12	150
S/SX 1800	104	250-1000	265	1405	18	200

* Max. value for type S

Dimensions in mm



Detailed information on STEEL TUBES
can be found on page 349 onwards.

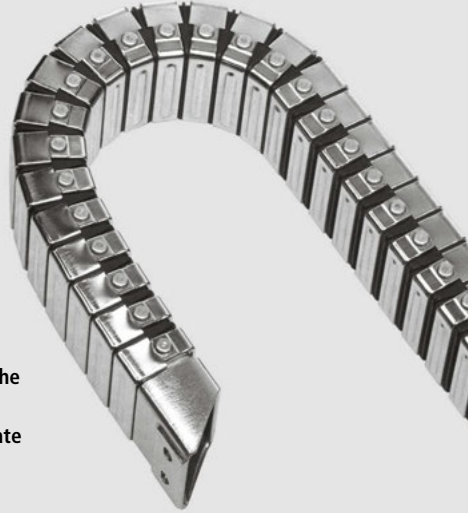
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CONDUFLEX

Designer TUBES

- Attractive appearance owing to high-grade steel brackets and fiberglass reinforced polyamide frame
- Very well sealed design
- With protective straps ideal for hot chips
- Optimum protection for cables and hoses
- Quiet operation due to small pitch
- Easy replacement of the crossbars in the case of external damage is possible
- Easy to shorten or extend at a later date
- TÜV type tested in accordance with 2 PFG 1036/10.97



Inside heights



Inside widths



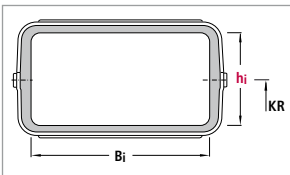
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Types CF 055, 060, 085, 115, 120, 175

Type	h_i	B_i	Maximum travel length in m	Dynamics of unsupported arrangement	
				Travel speed v_{max} in m/s	Travel acceleration a_{max} in m/s ²
CF 055	25	45	3.0	10	20
CF 060	40	36	3.5	10	20
CF 085	38	73	4.0	8	18
CF 115	52	102	5.0	8	16
CF 120	70	100	5.5	6	15
CF 175	72	162	6.0	6	12

Dimensions in mm



Detailed information on designer TUBES CONDUFLEX can be found on page 362 onwards.

MOBIFLEX

Flexible metal helical TUBES

- Very well sealed design
- Ideal in case of hot metal chips
- Optimum protection for cables and hoses
- Unsupported thanks to the inserted, pre-tensioned steel band



Inside heights

24
167

Inside widths

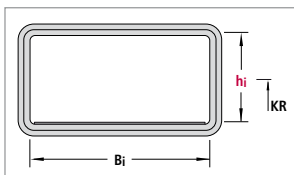
26
170

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Types MF 030, 050, 080, 110, 170

Type	h_i	B_i	Maximum travel length in m	Dynamics of unsupported arrangement	
				Travel speed v_{max} in m/s	Travel acceleration a_{max} in m/s^2
MF 030.1	24	26	2.0	10	20
MF 050.1	24	45	3.0	10	20
MF 050.2	44	45	3.0	10	20
MF 080.1	40	80	3.5	10	18
MF 080.2	54	80	3.5	10	18
MF 080.3	78	80	3.5	10	18
MF 110.1	53	109	4.0	6	15
MF 110.2	73	109	4.0	6	15
MF 110.3	108	109	4.0	6	15
MF 170.1	72	170	5.0	6	12
MF 170.2	102	170	5.0	6	12
MF 170.3	167	170	5.0	6	12

Dimensions in mm



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Detailed information on enclosed solid metal TUBES MOBIFLEX can be found on page 368 onwards.

Notes

Inside heights



Inside widths



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