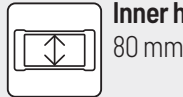


# UA1995



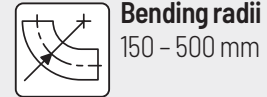
**Pitch**  
99.5 mm



**Inner height**  
80 mm

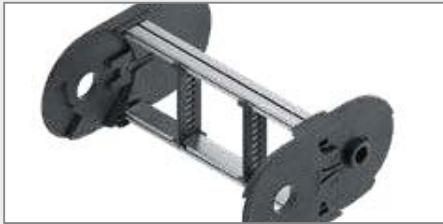


**Inner widths**  
66 – 600 mm



**Bending radii**  
150 – 500 mm

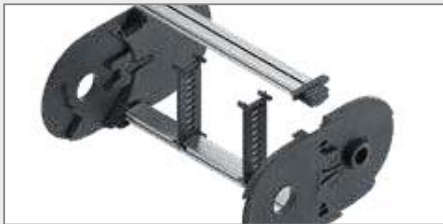
## Stay variants



**Design RSH 020** ..... page **348**

### Closed frame

- » Aluminum profile bars for light to medium loads.  
Assembly without screws.
- » **Outside/inside:** not openable.



**Design RSH 030** ..... page **349**

### Frame with outside detachable stays

- » Aluminum profile bars for light to medium loads.  
Assembly without screws.
- » **Outside:** release by rotating 90°.



**Design RSH 040** ..... page **350**

### Frame with inside detachable stays

- » Aluminum profile bars for light to medium loads.  
Assembly without screws.
- » **Inside:** release by rotating 90°.

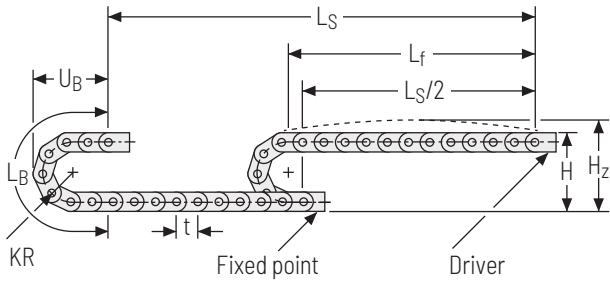


**Design RSH 070** ..... page **351**

### Frame with outside and inside detachable stays

- » Aluminum profile bars for light to medium loads.  
Assembly without screws.
- » **Outside/inside:** release by rotating 90°.

Unsupported arrangement

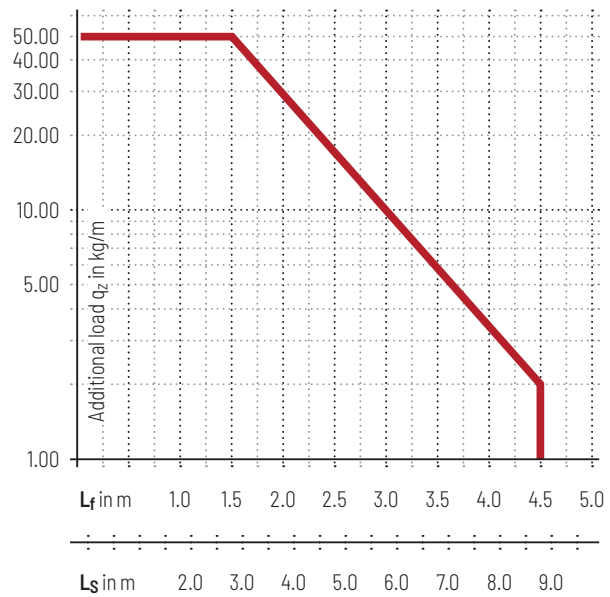


KR [mm]	H [mm]	H <sub>z</sub> [mm]	L <sub>B</sub> [mm]	U <sub>B</sub> [mm]
150	410	440	680	250
210	530	560	860	310
250	610	640	990	350
300	710	740	1150	400
350	810	840	1300	450
400	910	940	1460	500
500	1110	1140	1770	600

**Load diagram for unsupported length** depending on the additional load.

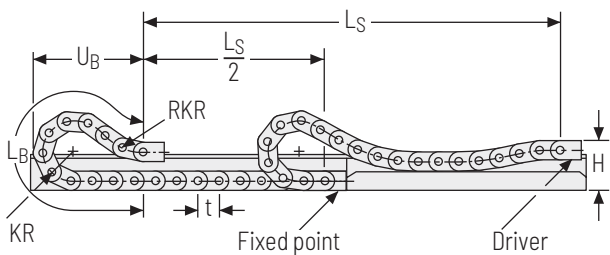
Sagging of the cable carrier is technically permitted for extended travel lengths, depending on the specific application.

Intrinsic cable carrier weight  $q_k = 3.85 \text{ kg/m}$  with B; 196 mm. For other inner widths, the maximum additional load changes.



- Speed** up to 10 m/s
- Acceleration** up to 25 m/s<sup>2</sup>
- Travel length** up to 4.5 m
- Additional load** up to 50 kg/m

Gliding arrangement | GO module with chain links optimized for gliding\*



KR [mm]	H [mm]	GO-Modul RKR [mm]	L <sub>B</sub> [mm]	U <sub>B</sub> [mm]
150	330	400	1805	890
210	330	400	2180	1010
250	330	400	2390	1070
300	330	400	2690	1160
350	330	400	3090	1310
400	330	400	3490	1450
500	330	400	4280	1740

- Speed** up to 8 m/s
- Acceleration** up to 20 m/s<sup>2</sup>
- Travel length** up to 200 m
- Additional load** up to 50 kg/m

The gliding cable carrier must be guided in a channel. See p. 850.

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

Glide shoes must be used for gliding applications.

\* only design 070

### Stay variant 020 - closed frame

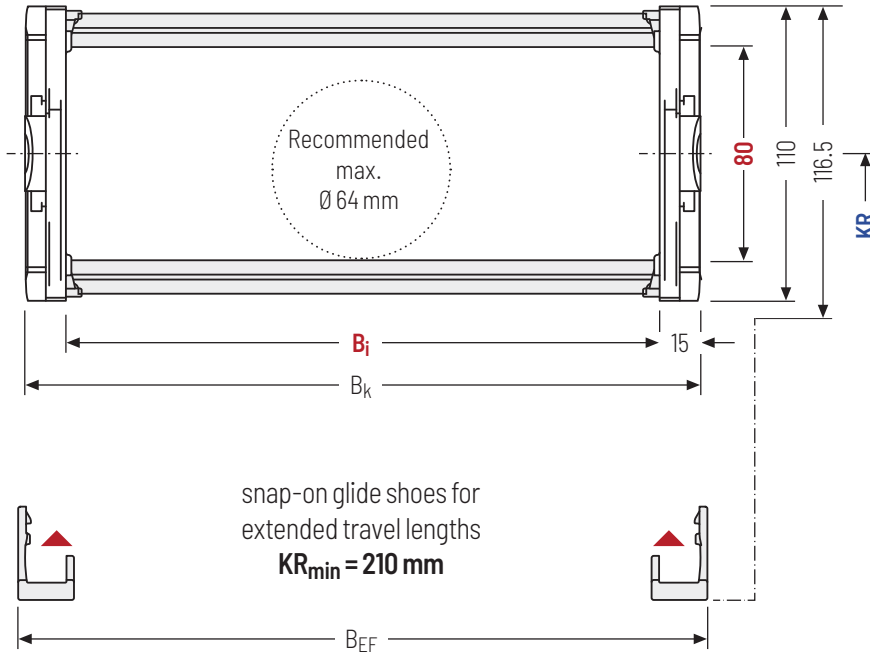
- » Weight-optimised, closed plastic frame with particularly high torsional rigidity.
- » **Outside/inside:** not openable.



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



**1mm** B<sub>i</sub> 66 – 600 mm in 1 mm width sections



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

#### Calculating the cable carrier length

##### Cable carrier length L<sub>k</sub>

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

Cable carrier length L<sub>k</sub> rounded to pitch t

h <sub>i</sub> [mm]	h <sub>G</sub> [mm]	h <sub>G'</sub> [mm]	B <sub>i</sub> [mm]*	B <sub>k</sub> [mm]	B <sub>EF</sub> [mm]	KR [mm]							q <sub>k</sub> [kg/m]
80	110	116.5	66 - 600	B <sub>i</sub> + 30	B <sub>i</sub> + 36	150	210	250	300	350	400	500	4.168 - 4.173

\* in 1 mm width sections

#### Order example

UA1995  
Type
150  
B<sub>i</sub> [mm]
RSH 020  
Stay variant
210  
KR [mm]
3582  
L<sub>k</sub> [mm]
VS  
Stay arrangement

## Stay variant 030 – with outside detachable stays

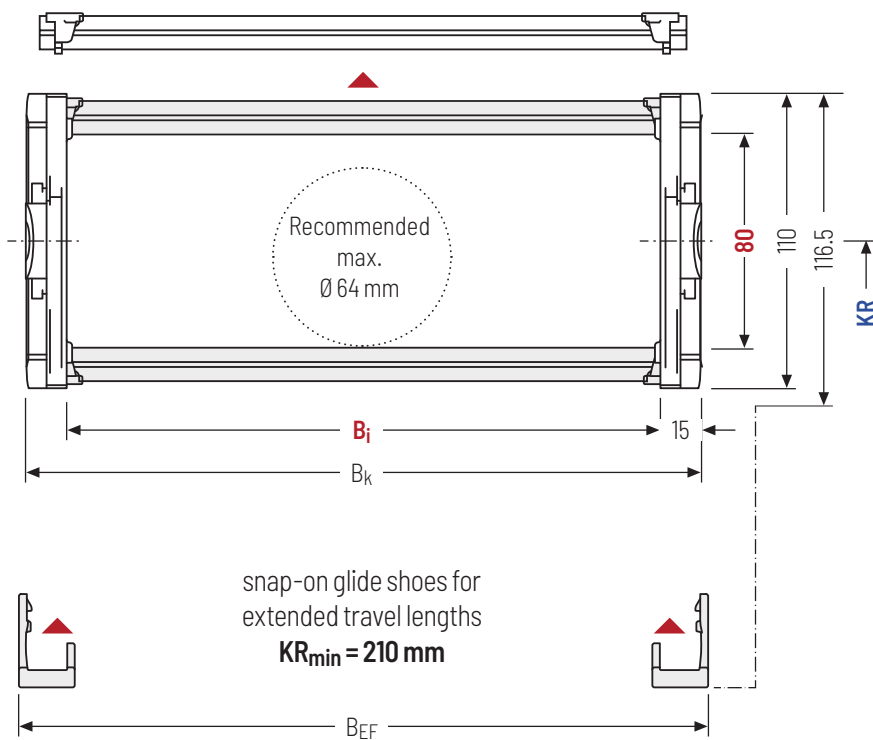
- » Weight-optimised plastic frame with particularly high torsional rigidity.
- » **Outside:** release by rotating 90°.



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



1mm B<sub>i</sub>: 66 – 600 mm in 1 mm width sections



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

### Calculating the cable carrier length

#### Cable carrier length L<sub>k</sub>

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

Cable carrier length L<sub>k</sub> rounded to pitch t

h <sub>i</sub> [mm]	h <sub>G</sub> [mm]	h <sub>G'</sub> [mm]	B <sub>i</sub> [mm]*	B <sub>k</sub> [mm]	B <sub>EF</sub> [mm]	KR [mm]					q <sub>k</sub> [kg/m]		
80	110	116.5	66 – 600	B <sub>i</sub> + 30	B <sub>i</sub> + 36	150	210	250	300	350	400	500	4.192 – 4.197

\* in 1 mm width sections

### Order example

UA1995 Type . 150 B<sub>i</sub> [mm] . RSH 030 Stay variant . 210 KR [mm] - 3582 L<sub>k</sub> [mm] VS Stay arrangement

### Stay variant 040 - with inside detachable stays

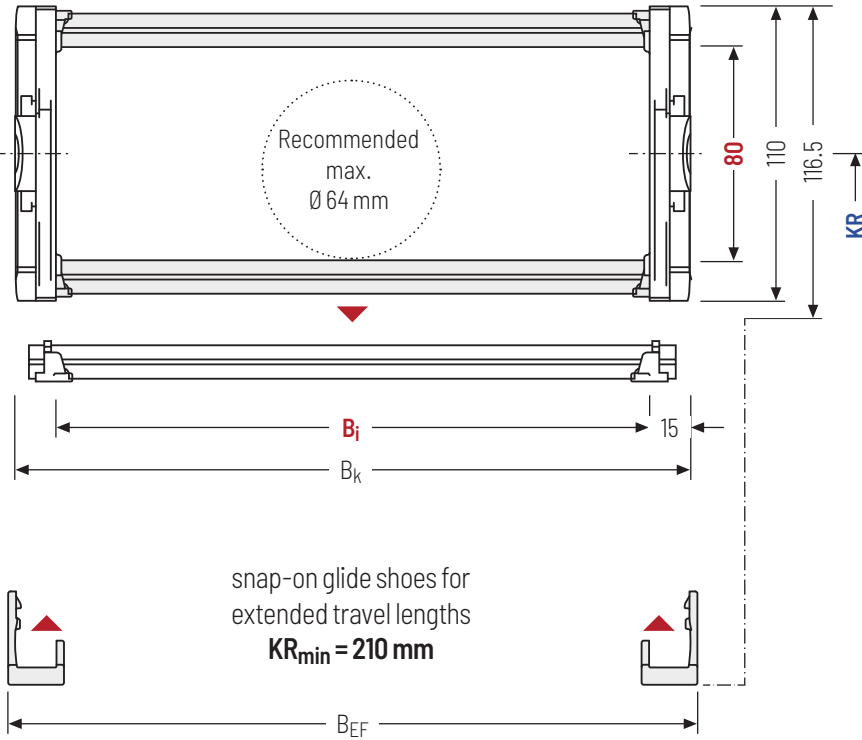
- » Weight-optimised plastic frame with particularly high torsional rigidity.
- » **Inside:** release by rotating 90°.



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



**1 mm** B<sub>i</sub> 66 – 600 mm  
in 1 mm width sections



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

**i** Design 040 is not suitable for a gliding arrangements without the use of gliding shoes.

#### Calculating the cable carrier length

##### Cable carrier length L<sub>k</sub>

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

Cable carrier length L<sub>k</sub> rounded to pitch t

h <sub>i</sub> [mm]	h <sub>G</sub> [mm]	h <sub>G'</sub> [mm]	B <sub>i</sub> [mm]	B <sub>k</sub> [mm]	B <sub>EF</sub> [mm]	KR [mm]					q <sub>k</sub> [kg/m]		
80	110	116.5	66 – 600	B <sub>i</sub> + 30	B <sub>i</sub> + 36	150	210	250	300	350	400	500	4.192 – 4.197

#### Order example


UA1995
·
150
·
RSH 040
·
210
-
3582
-
VS

Type · B<sub>i</sub> [mm] · Stay variant · KR [mm] · L<sub>k</sub> [mm] · Stay arrangement

## Stay variant RSH 070 – with outside and inside detachable stays

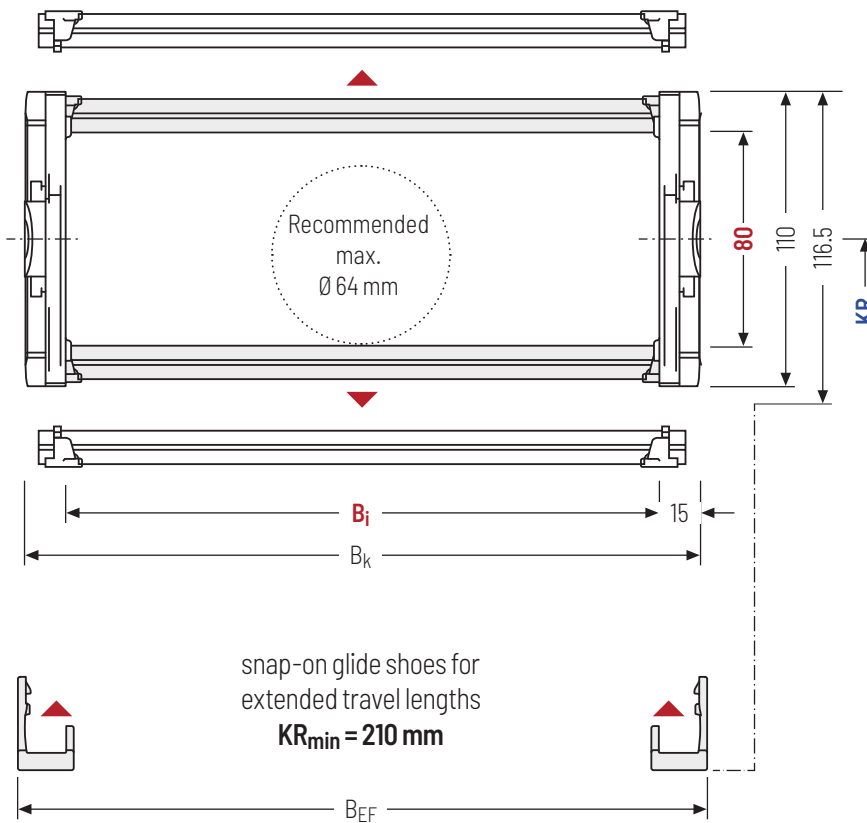
- » Aluminum profile bars for light to medium loads. Assembly without screws.
- » Available customized in **1 mm grid**.
- » **Outside/Inside:** release by rotating 90°.



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



1mm B<sub>i</sub>: 66 – 600 mm in 1 mm width sections



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

**i** Design RSH is not suitable for a gliding arrangements without the use of gliding shoes.

### Calculating the cable carrier length

#### Cable carrier length L<sub>k</sub>

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

Cable carrier length L<sub>k</sub> rounded to pitch t

h <sub>i</sub> [mm]	h <sub>G</sub> [mm]	h <sub>G'</sub> [mm]	B <sub>i</sub> [mm]	B <sub>k</sub> [mm]	B <sub>EF</sub> [mm]	KR [mm]							q <sub>k</sub> [kg/m]
80	110	116.5	66 – 600	B <sub>i</sub> + 30	B <sub>i</sub> + 36	150	210	250	300	350	400	500	4.211 – 4.216

### Order example

UA1995
150
RSH 070
210
3582
VS

Type · B<sub>i</sub> [mm] · Stay variant · KR [mm] · L<sub>k</sub> [mm] · Stay arrangement

### Divider systems

The divider system is mounted on every 2<sup>nd</sup> chain link as a standard.

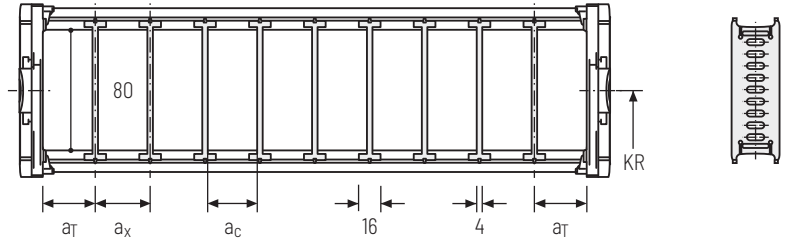
For applications with lateral acceleration and lying on the side, the dividers can be attached by a fixing profile, available as an accessory (**version B**). The fixing profile must be installed at the factory.

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

### Divider system TSO without height separation

Vers.	a <sub>T</sub> min [mm]	a <sub>x</sub> min [mm]	a <sub>c</sub> min [mm]	a <sub>x</sub> grid [mm]	η <sub>T</sub> min
A	10	16	12	-	-
B	10	17.5	13.5	2.5	-

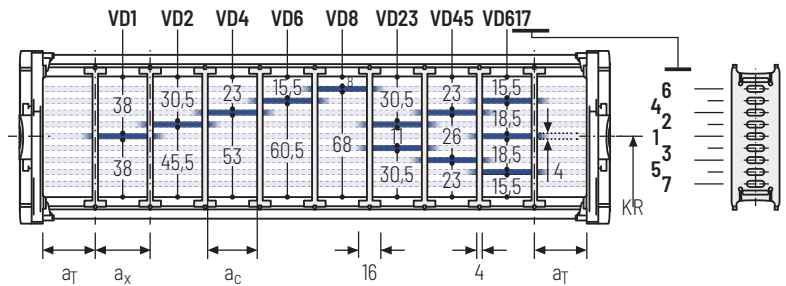
Number of dividers for design 020 depending on B<sub>i</sub>



### Divider system TS1 with continuous height separation\*

Vers.	a <sub>T</sub> min [mm]	a <sub>x</sub> min [mm]	a <sub>c</sub> min [mm]	a <sub>x</sub> grid [mm]	η <sub>T</sub> min
A	10	16	12	-	2
B	10	17.5	13.5	2.5	2

\* not for design 020



### Order example

TS1

A

3

- V D 0

⋮

- V D 1

Divider system

Version

η<sub>T</sub>

Height separation

Please state the designation of the divider system (TS0, TS1,...), the version, and the number of dividers per cross section [η<sub>T</sub>].

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



**Divider system TS3** with height separation consisting of plastic partitions

As a standard, the divider **version A** is used for vertical partitioning within the cable carrier. The complete divider system can be moved within the cross section.

**Divider version A**

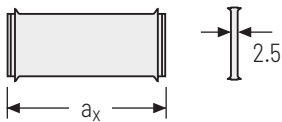
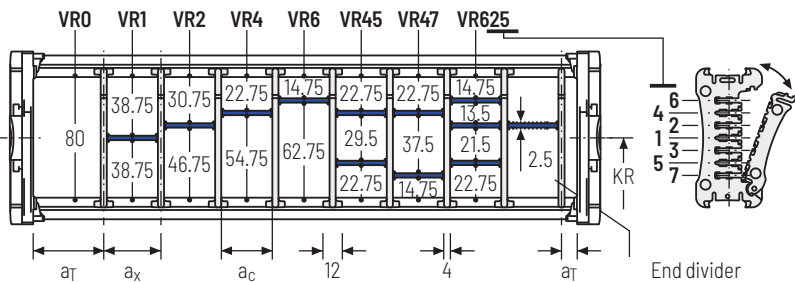
**End divider**



Vers.	$a_T$ min [mm]	$a_x$ min [mm]	$a_c$ min [mm]	$n_T$ min
A	8/4*	14	10	2

Number of dividers for design D20 depending on  $B_i$   
 \* For End divider

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



$a_x$ (center distance of dividers) [mm]																
$a_c$ (nominal width of inner chamber) [mm]																
14	16	19	23	24	28	29	32	33	34	38	39	43	44	48	49	54
10	12	15	19	20	24	25	28	29	30	34	35	39	40	44	45	50
58	59	64	68	69	74	78	79	80	84	88	89	94	96	99	112	
54	55	60	64	65	70	74	75	76	80	84	85	90	92	95	108	

An additional central support is required when using plastic partitions with  $a_x > 49$  mm.

**Order example**

TS3 . 
 A . 
 3 . 
 K1 . 
 34 - 
 VR1  
 ⋮ ⋮ ⋮  
K4 . 
 38 - 
 VR3  
 Divider system      Version       $n_T$       Chamber       $a_x$       Height separation

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

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

PROTUM® series  
 K series  
**UNIFLEX Advanced series**  
 M series  
 TKHD series  
 XL series  
 QUANTUM® series  
 TKR series  
 TKA series  
 UAT series



PROTUM®  
series

K  
series

**UNIFLEX  
Advanced  
series**

M  
series

TKHD  
series

XL  
series

QUANTUM®  
series

TKR  
series

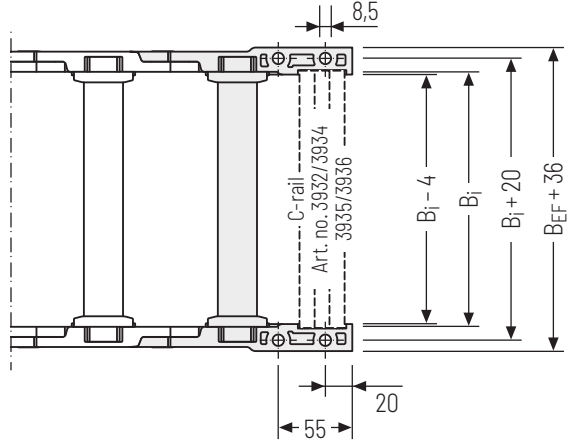
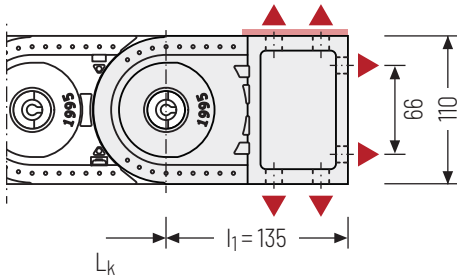
TKA  
series

UAT  
series



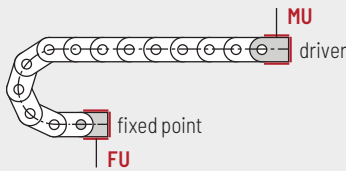
## Universal end connectors UMB – plastic (standard)

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



▲ Assembly options

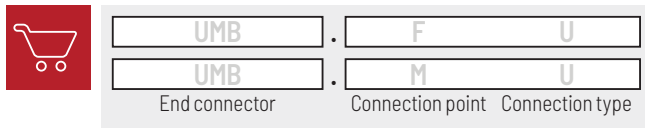
 Recommended tightening torque:  
27 Nm for screws M8




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

**Connection type**  
**U** - Universal mounting bracket

### Order example



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

### Additional product information online



Installation instructions, etc.:  
 Additional info via your smartphone or check online at  
[tsubaki-kabelschlepp.com/downloads](https://www.tsubaki-kabelschlepp.com/downloads)



Configure your cable carrier here:  
[online-engineer.de](https://www.online-engineer.de)