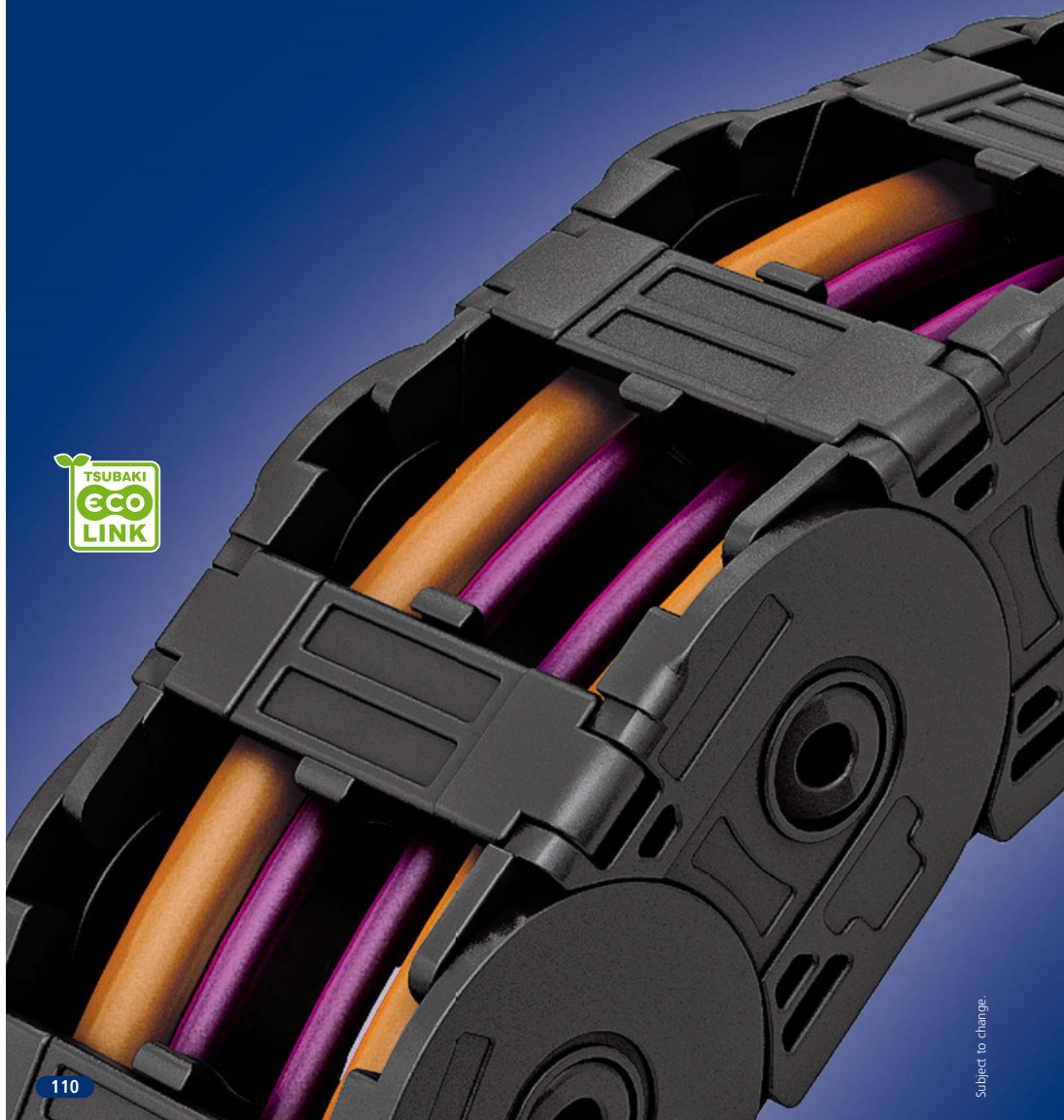


TKP35





Inside heights
32 mm



Inside widths
16 – 50 mm



Pitch
35 mm



Additional load
up to 2 kg/m



**Travel length
unsupported**
up to 2.4 m



Travel speed
up to 5 m/s



**Travel length
gliding**
up to 20 m/s²

All technical data and features are application and type-dependent.

Let us know your requirements – we are here to help!

BASIC LINE | TKP35

Inside
heightsInside
widths
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Features

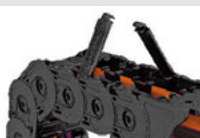
- Robust and extremely rigid stroke system
- Extensive unsupported sections
- Quiet operation due to internal dampening system
- Weight-optimized chain geometry
- Interior without sharp edges, design that protects the cable
- Variable internal partitioning
- Vertical moveable dividers or with locking cams, can be attached at 2-mm increments (not B; 16)
- Easy to open versions, left or right (not B; 16)
- Very quick and easy to open
- Optional tension relief completely integrated into the connecting element

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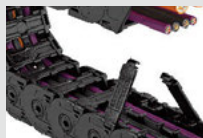
Use our free
project planning service.



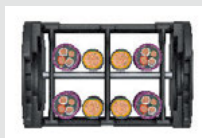
Safe cable separation
using fixed dividers



Model 030 with
outwardly hinged,
detachable brackets on
both sides



Model 040 with
inwardly hinged,
detachable brackets on
both sides



Optimised utilisation
of the interior space;
vertical as well as
horizontal internal
division possible



Example of cross section

- 1 Dividers and height partitions for cable separation
- 2 Cable-friendly interior without sharp edges
- 3 Model types for internal/external opening
- 4 Quick and easy opening from an arbitrary position
- 5 Integrated noise damper
- 6 Connector pieces with optional strain relief

Inside heights



Inside widths



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Selection criteria for TKP35

- If a greater internal height is required for a narrower internal width
- If a smaller bend radius is required for a greater internal height
- If internal partitioning is required
- If divider attachment should be possible
- If very smooth operation of the cable carrier is required
- If no cover on the cable carrier is required
- If no sliding arrangement is required
- If no steel cable carrier is required (e.g. at extremely high temperatures)

Type	h_i [mm]	B_i [mm]	t [mm]	Page
TKP35	32	16 – 50	35	114

Inside
heightsInside
widths
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114

TKP35

Pitch
35 mmHeight
32 mmWidth
16 – 50 mm

Stay variants

Stay variant 030

Outside: hinged and detachable
brackets

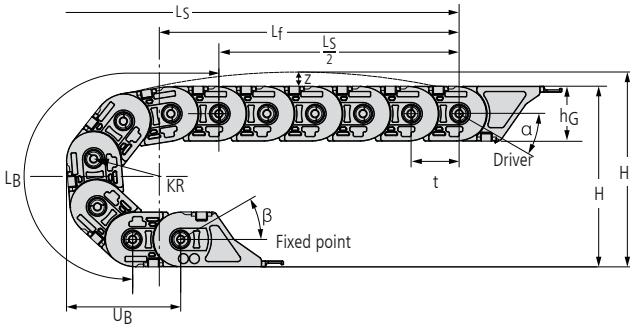

Stay variant 040

Inside: hinged and detachable
brackets

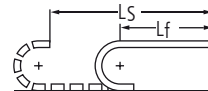
 Spare parts list, installation instructions, etc.:
 Receive additional info at kabelschlepp.de

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Unsupported arrangement



Unsupported length Lf



A sag of the cable carrier is technically permissible for extended movement ranges, depending on specific application.

Inside heights



Inside widths



LS max. [m]	Dynamics		t [mm]	z [mm/m]
	vmax [m/s]	amax [m/s]		
2.4	5	20	35	20

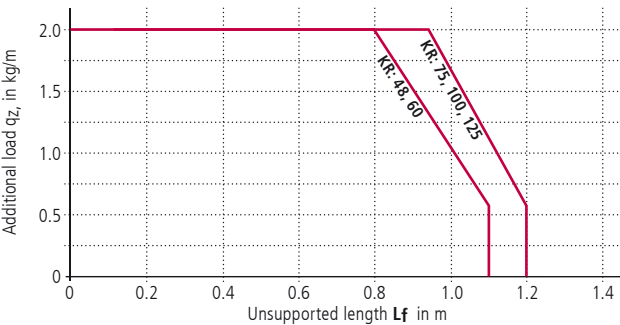
Installation measurements unsupported

KR [mm]	H [mm]	H _z [mm]	L _B [mm]	U _B [mm]	α [°]	β [°]
48	146	176	220	103	17 / 28*	25.7 / 27*
60	170	200	258	115	17 / 28*	16.9 / 27*
75	200	230	306	130	17 / 28*	9.9 / 27*
100	250	280	384	155	17 / 28*	3.1 / 27*
125	300	330	463	180	17 / 28*	0 / 27*

* only Bj 16

Load diagram

for unsupported length L_f depending on the additional load



Calculation of the chain length

Chain length L_k

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

Chain length L_k rounded off to pitch t

Unsupported length L_f

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

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 Cable Carrier Configuration

BASIC LINE | TKP35

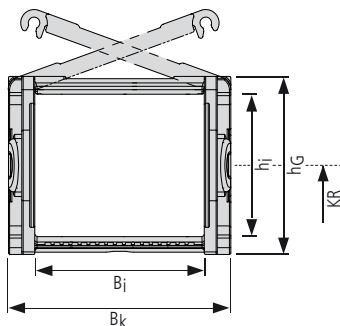
Inside
heightsInside
widths

Stay variant 030 –
outward opening and detachable bracket


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Pitch, inside height and chain link height

Type	t [mm]	h _i [mm]	h _G [mm]
TKP35.030	35	32	40



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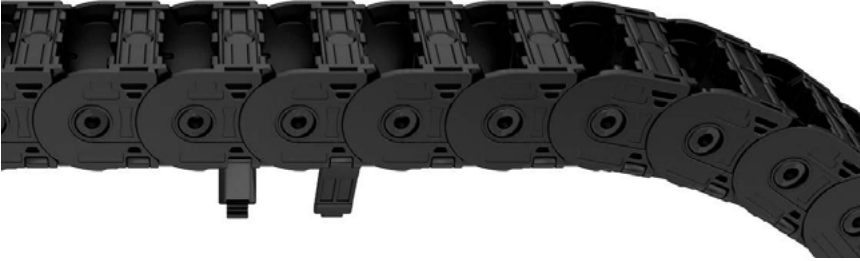
Inside/outside width and intrinsic chain weight

Type	B _i [mm]	B _k [mm]	q _k [kg/m]
TKP35.030	16	26	0.2
TKP35.030	25	37	0.6
TKP35.030	38	50	0.7
TKP35.030	50	62	0.8

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Stay variant 040 –
inward opening and detachable bracket



Inside heights



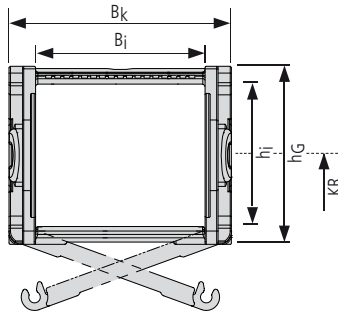
Inside widths



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Pitch, inside height and chain link height

Type	t [mm]	h _i [mm]	h _G [mm]
TKP35.040	35	32	40



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Inside/outside width and intrinsic chain weight

Type	B _i [mm]	B _k [mm]	q _k [kg/m]
TKP35.040	25	37	0.6
TKP35.040	38	50	0.7
TKP35.040	50	62	0.8

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TSUBAKI KABELSCHLEPP
Cable Chain Configurator

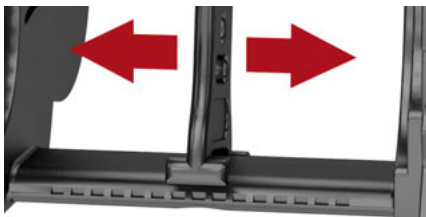
BASIC LINE | TKP35

Inside
heightsInside
widths

Divider systems

In the standard version, dividers or the complete divider system (dividers with subdivision) can be moved in the cross section (**Version A**).

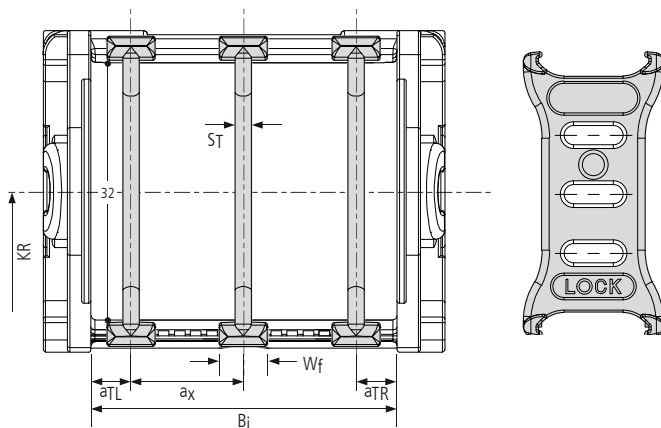
For applications with transverse accelerations and where the carrier is rotated through 90° the dividers can be fixed simply by turning them. This causes the arresting cams to engage in the locking profiles of the covers (**Version B**).

Moveable divider
Version A (standard)Fixable divider (2 mm grid)
Version B

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Divider system TS0 without subdivision

B _i [mm]	S _T [mm]	W _f [mm]	Version A moveable		Version B fixable		
			a _{TL} /a _{TR} min [mm]	a _x min [mm]	a _{TL} /a _{TR} min [mm]	a _x min [mm]	a _x grid [mm]
25	2	6	3	6	4.5	6	2
38	2	6	3	6	5	6	2
50	2	6	3	6	5	6	2



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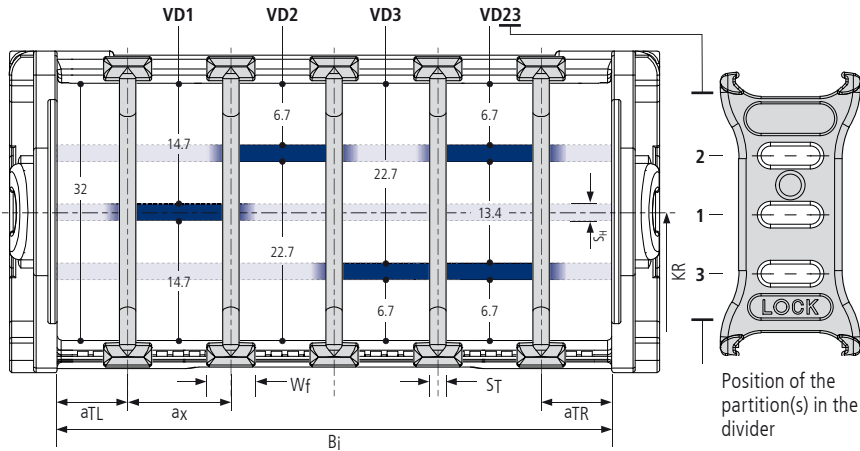
Divider system TS1 with continuous subdivision made of aluminum

Bj [mm]	ST [mm]	Wf [mm]	SH [mm]	Version A moveable			Version B fixable			
				aTL/aTR max [mm]	aTL/aTR min [mm]	ax min [mm]	aTL/aTR max [mm]	aTL/aTR min [mm]	ax min [mm]	ax grid [mm]
25	2	6	2.6	16.0	3	6	14.5	4.5	6	2
38	2	6	2.6	21.0	3	6	21.0	5.0	6	2
50	2	6	2.6	21.0	3	6	21.0	5.0	6	2

Inside heights



Inside widths



Position of the partition(s) in the divider

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Note: For order example and notes for ordering, refer to Page 123.

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 Cable Carrier Configuration

BASIC LINE | TKP35

Inside heights

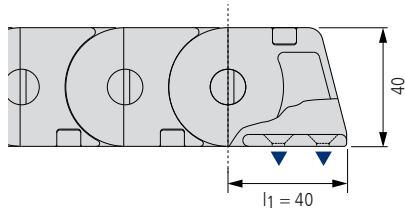
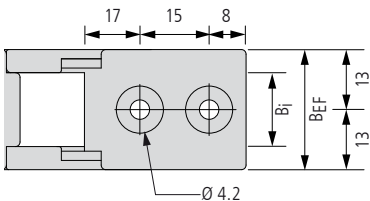


Inside widths



Connection elements made from plastic

Suitable for B_i 16



▲ Assembly options

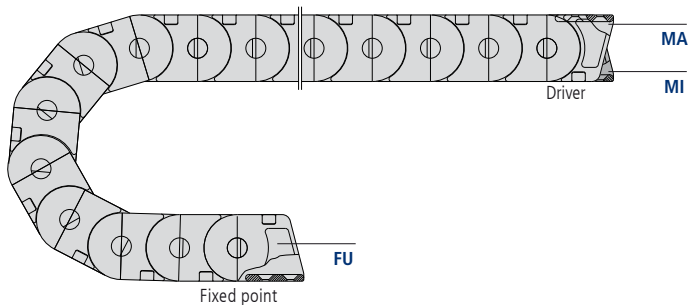
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Connection dimensions

B _i [mm]	B _{EF} [mm]
16	40

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Connection variants

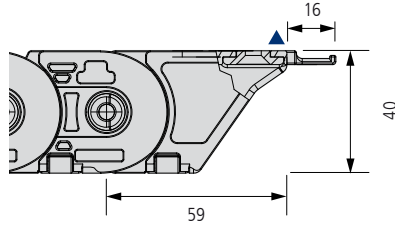
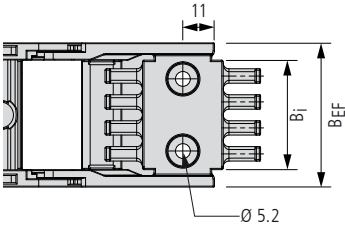


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Connection elements made from plastic

Suitable for B_i 25, B_i 38 and B_i 50



▲ Assembly options

Inside heights



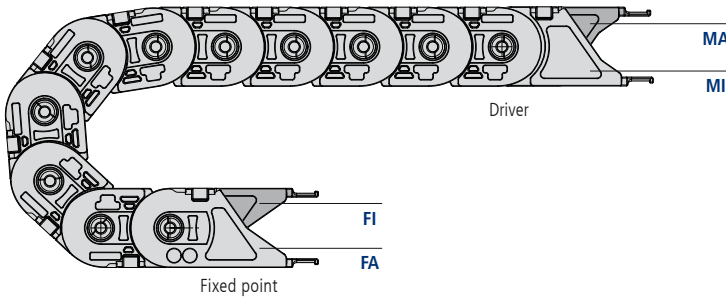
Inside widths



Connection dimensions

B _i [mm]	BEF [mm]
25	37
38	50
50	62

Connection variants



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 Cable Center Configurator

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Inside
heightsInside
widths

Both-sided strain relief combs made of plastic

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

The combs are either clipped into the end connector and attached using this or attached using additional holes at an arbitrary distance at the rear of the connecting elements.

B_j [mm]	n_z
25	3
38	4
50	6

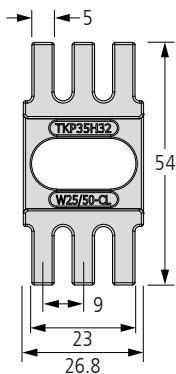
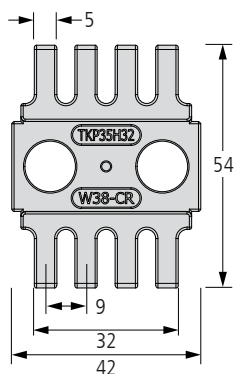
n_z = Number of teeth on one side of the comb



Connecting elements with attachable strain relief combs

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Strain relief comb for B_j 25 / 50Strain relief comb for B_j 38

i For $B_j = 50$, two strain relief combs of Type W25/50-CL are used.

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project planning service.

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Ordering

Ordering example cable carrier

TKP35	.	040	.	38	.	75	.	700
Type		Stay variant		Bj [mm]		KR [mm]		LK [mm]

Inside heights



Inside widths



Ordering example divider system

TS0	.	B	/	3
Divider system		Version		nT

Please state the designation of the divider system (TS0, TS1), the version and number of dividers required.

TS1	.	A	/	3	/	VD23
Divider system		Version		nT		Height separation

When ordering the fixed version (version B), please indicate the position of the dividers (sketch). Where a continuous subdivision is required (TS1), please also indicate their positions (e.g. VD23, or add a sketch).

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Ordering example connection elements

FA	/	MA
Fixed point		Driver

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See online for additional product information

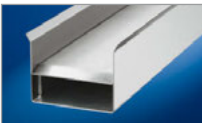
Spare parts list, installation instructions, etc.:
Receive additional info at kabelschlepp.de

Configure your custom cable carrier system:
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Guide channels

■ from page 375



Strain relief devices

■ from page 381



Cables for cable carrier systems

■ from page 438

