

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



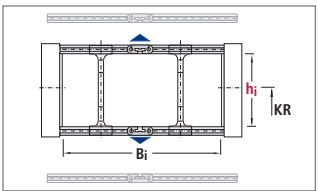
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Type	h _i	B _i	Maximum travel length in m	Dynamics of unsupported arrangement		Page
				Travel speed v _{max} in m/s	Travel acceleration a _{max} in m/s ²	
TKC 0910H56	56	150-400	80	5	30	311
TKC 0910H80	80	150-400	100	5	30	311

Dimensions in mm



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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



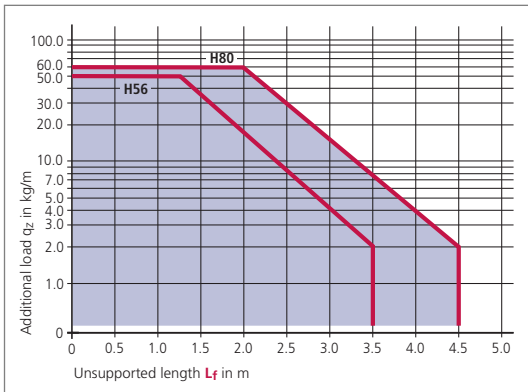
Bend radius and pitch

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

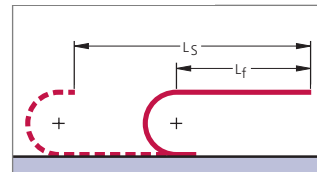
Pitch:
TKC 0910: $t = 91$ mm

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	TKC 0910H80	300	250	1820	Divider system	TS 0 / 4	Connection	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.

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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.

Inside heights

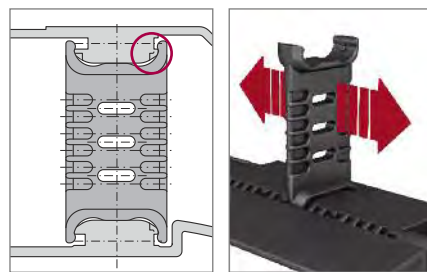


Inside widths



Mounting version A (standard)

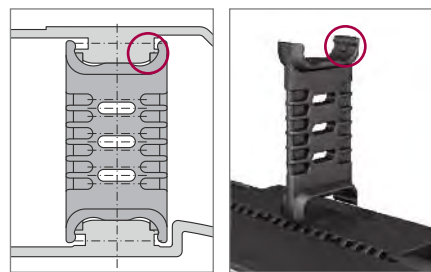
Movable divider



■ Divider without arresting cams

Mounting version B

Fixed divider



■ Divider with arresting cams

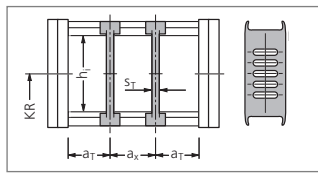
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Divider system TS 0

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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Inside heights

56
—
80

Inside widths

150
—
400

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 Cable carrier configuration

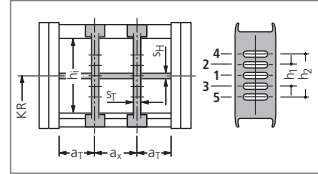
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Divider system TS 1

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

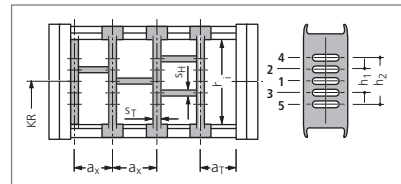


Divider system TS 3

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.

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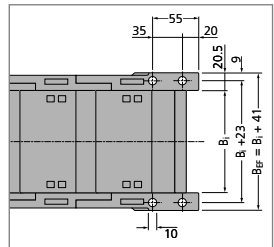
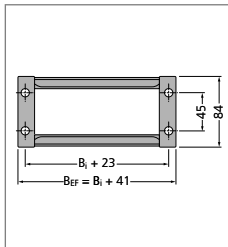
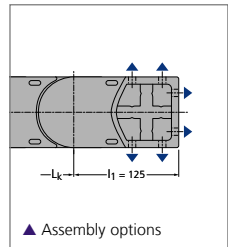
UMB (Universal Mounting Brackets) made of plastic – TKC 0910H56

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

Inside heights



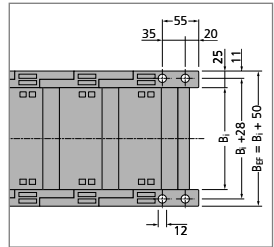
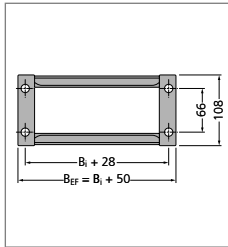
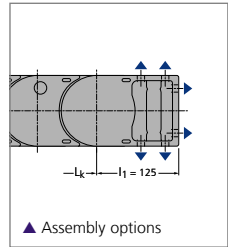
Inside widths



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

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

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



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 436



Notes

Inside heights



Inside widths



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