TKP91

Easy to assemble, stable cable carriers with variable dimensions

Universal connectors (UMB)

Dividers can be fixed

Can be opened quickly on the inside and outside for cable laying

Plastic covers available in 50 mm width sections (TKC series)

Plastic stays available in 50 mm width sections

Replaceable glide shoes

Extremely robust due to stable plate construction

Many separation options for the cables

Universal connectors (UMB) for connection above, below or at the front

Dividers can be fixed for installations where the carrier is rotated through 90°

Many separation options for the cables

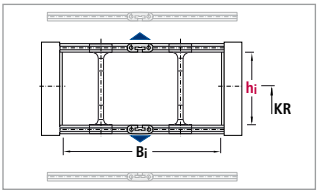
Replaceable glide shoes for long service life for gliding applications

Type TKP91

with plastic stays

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/s²	
TKP 0910H56	56	150-500	80	5	20	205
TKP 0910H80	80	150-500	100	5	20	205

Dimensions in mm



TUBE SERIES – covered cable carriers

Type TKC91 with plastic cover system

Detailed information can be found in the chapter TUBES – Covered Cable Carriers from page 310 onwards.

Type TKP91

Dimensions and intrinsic chain weight

Type	h_i	h_G	Inside widths B_i Intrinsic chain weight								B_k
			150	200	250	300	350	400	450	500	
TKP 0910H56	56	84	4.3	4.6	5.0	5.4	5.7	6.1	6.5	6.8	B_i + 41
TKP 0910H80	80	108	6.7	7.0	7.4	7.7	8.1	8.5	8.8	9.2	B_i + 50

Dimensions in mm/Weights in kg/m

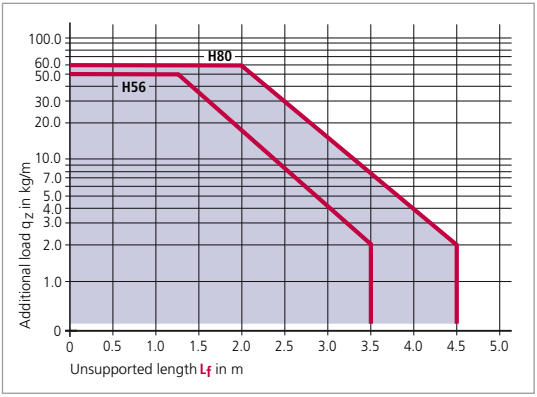
Bend radius and pitch

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

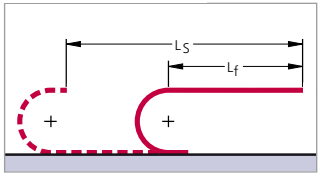
Pitch:
TKP 0910: t = 91 mm

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.

Example of ordering

Cable carrier					Divider system		Connection
TKP 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 TKP91

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**)

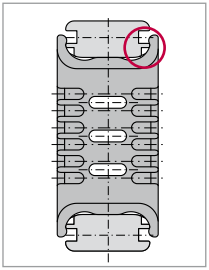
However, it is often also possible to fix dividers or complete divider systems (dividers with height separation).

(**Mounting version B**).

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

Mounting version A (standard)

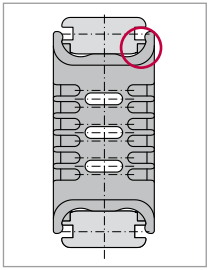
Movable divider



■ Divider without arresting cams

Mounting version B

Fixed divider

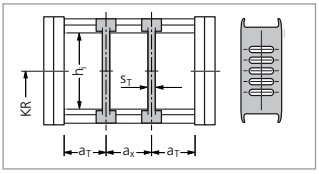


■ Divider with arresting cams

Divider system TS 0

Type	h_i mm	Version A S_T mm	Version A $a_{T\ min}$ mm	Version A $a_{x\ min}$ mm	Version B S_T mm	Version B $a_{T\ min}$ mm	Version B $a_{x\ min}$ mm	Version B $a_{x\ section}$ mm
TKP 0910H56	56	6	20	14	6	31/32/33*	18	6
TKP 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



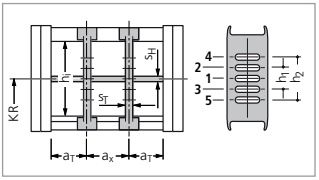
Type TKP91

Divider system TS 1

with continuous height subdivision made of aluminum

		Version A			Version B						
Type	h_i 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	S_H mm	h_1 mm	h_2 mm
TKP 0910 H56	56	6	20	14	6	31/32/33*	18	6	4	24	–
TKP 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

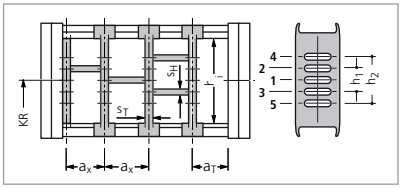


Divider system TS 3

with section subdivision, partitions made of aluminum

		Version A			Version B						
Type	h_i 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	S_H mm	h_1 mm	h_2 mm
TKP 0910 H56	56	6	20	14	6	31/32/33*	18	6	4	24	–
TKP 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:

TKP 0910H56 $h_G' = h_G + 10 = 94$
TKP 0910H80 $h_G' = h_G + 10 = 118$

Dimensions in mm

Minimum bend radii when using glide shoes:

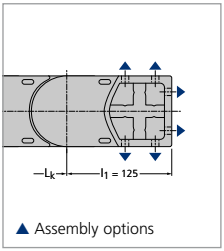
KR_{min} = 200 mm

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

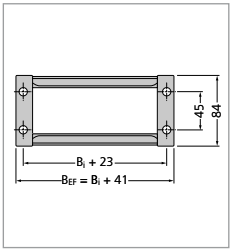
Type TKP91

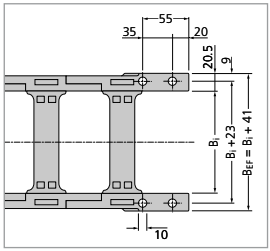
UMB (Universal Mounting Brackets) made of plastic – TKP 0910H56

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



▲ Assembly options

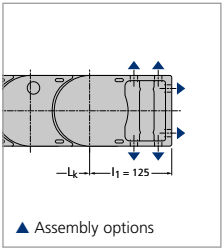




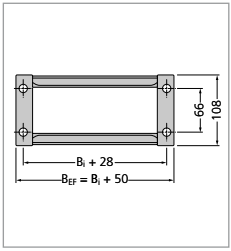
The dimensions of the fixed point and driver connections are identical.

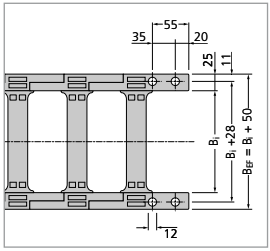
UMB (Universal Mounting Brackets) made of plastic – TKP 0910H80

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



▲ Assembly options



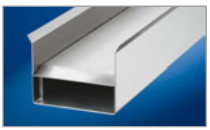


The dimensions of the fixed point and driver connections are identical.

Guide channels
➤ from page 375

Strain relief devices
➤ from page 381

Cables for cable carrier systems
➤ from page 438



Notes