

## 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



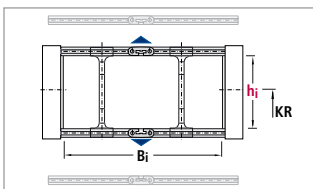
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| Type        | $h_i$ | $B_i$   | Maximum travel length in m | Dynamics of unsupported arrangement |                                                   | Page |
|-------------|-------|---------|----------------------------|-------------------------------------|---------------------------------------------------|------|
|             |       |         |                            | Travel speed $v_{max}$ in m/s       | Travel acceleration $a_{max}$ in m/s <sup>2</sup> |      |
| 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



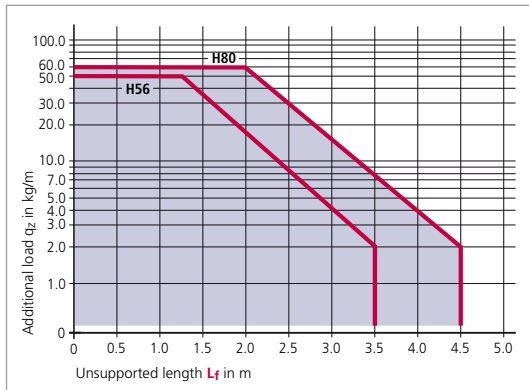
### Bend radius and pitch

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

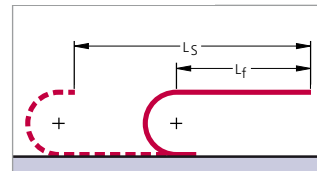
Pitch:  
TKC 0910:  $t = 91$  mm

### 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                  | TS 0           | 4                        | UMB                           |
| Type          | Inside width $B_i$ in mm | Bend radius KR in mm | 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

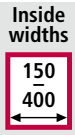
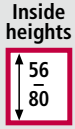
In the standard version, dividers or the complete tube system (dividers with height separation) can be moved in the cross section.

(Mounting version A)

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

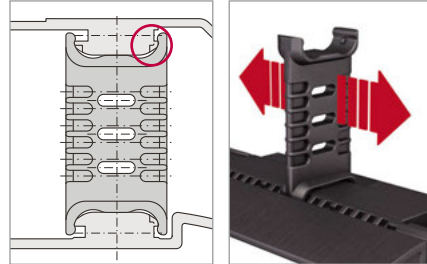
(Mounting version B).

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



### Mounting version A (standard)

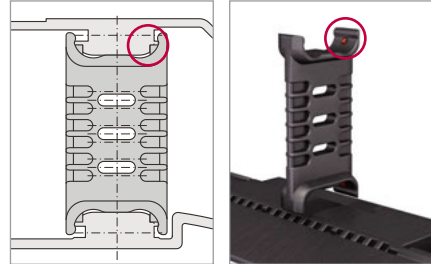
Movable divider



■ Divider without arresting cams

### Mounting version B

Fixed divider



■ Divider with arresting cams

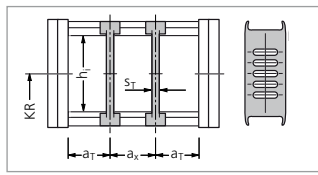
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## Divider system TS 0

| Type        | h <sub>i</sub> mm | Version A         |                       |                       | Version B         |                       |                       |                           |
|-------------|-------------------|-------------------|-----------------------|-----------------------|-------------------|-----------------------|-----------------------|---------------------------|
|             |                   | S <sub>T</sub> mm | a <sub>T</sub> min mm | a <sub>x</sub> min mm | S <sub>T</sub> mm | a <sub>T</sub> min mm | a <sub>x</sub> min mm | a <sub>x</sub> 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<sub>T</sub> min = 31 mm for B<sub>i</sub> = 200, 350, 500  
 a<sub>T</sub> min = 32 mm for B<sub>i</sub> = 250, 400  
 a<sub>T</sub> min = 33 mm for B<sub>i</sub> = 150, 300, 450



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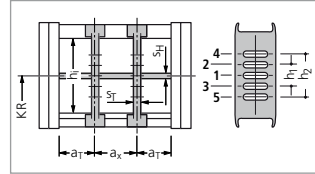
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### Divider system TS 1

with continuous height subdivision made of aluminum

| Type         | h <sub>i</sub> mm | Version A         |                       |                       |                   | Version B             |                       |                           |   | S <sub>H</sub> mm | h <sub>1</sub> mm | h <sub>2</sub> mm |
|--------------|-------------------|-------------------|-----------------------|-----------------------|-------------------|-----------------------|-----------------------|---------------------------|---|-------------------|-------------------|-------------------|
|              |                   | S <sub>T</sub> mm | a <sub>T</sub> min mm | a <sub>x</sub> min mm | S <sub>T</sub> mm | a <sub>T</sub> min mm | a <sub>x</sub> min mm | a <sub>x</sub> 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<sub>T</sub> min = 31 mm for B<sub>i</sub> = 200, 350, 500  
 a<sub>T</sub> min = 32 mm for B<sub>i</sub> = 250, 400  
 a<sub>T</sub> min = 33 mm for B<sub>i</sub> = 150, 300, 450



Inside heights

56  
80

Inside widths

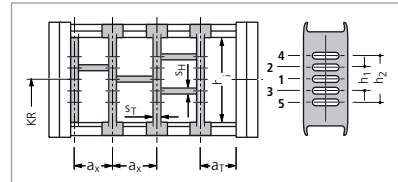
150  
400

### Divider system TS 3

with section subdivision, partitions made of aluminum

| Type         | h <sub>i</sub> mm | Version A         |                       |                       |                   | Version B             |                       |                           |   | S <sub>H</sub> mm | h <sub>1</sub> mm | h <sub>2</sub> mm |
|--------------|-------------------|-------------------|-----------------------|-----------------------|-------------------|-----------------------|-----------------------|---------------------------|---|-------------------|-------------------|-------------------|
|              |                   | S <sub>T</sub> mm | a <sub>T</sub> min mm | a <sub>x</sub> min mm | S <sub>T</sub> mm | a <sub>T</sub> min mm | a <sub>x</sub> min mm | a <sub>x</sub> 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<sub>T</sub> min = 31 mm for B<sub>i</sub> = 200, 350, 500  
 a<sub>T</sub> min = 32 mm for B<sub>i</sub> = 250, 400  
 a<sub>T</sub> min = 33 mm for B<sub>i</sub> = 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<sub>G'</sub> = h<sub>G</sub> + 10 = 94  
 TKC 0910H80 h<sub>G'</sub> = h<sub>G</sub> + 10 = 118

Dimensions in mm

#### Minimum bend radii when using glide shoes:

KR<sub>min</sub> = 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 configurator

# Type TKC91

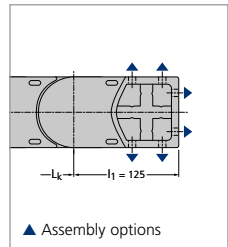
## UMB (Universal Mounting Brackets) made of plastic – TKC 0910H56

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

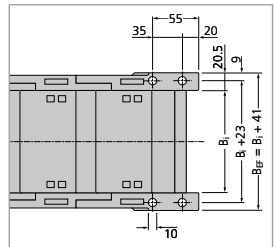
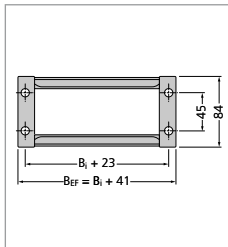
Inside heights



Inside widths



▲ Assembly options

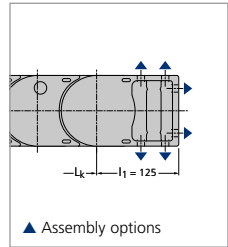


The dimensions of the fixed point and driver connections are identical.

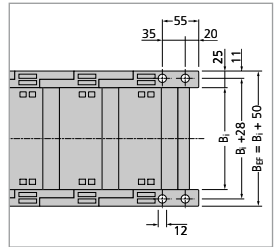
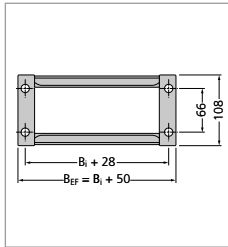
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## UMB (Universal Mounting Brackets) made of plastic – TKC 0910H80

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



▲ Assembly options

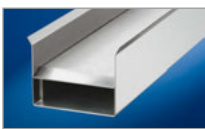


The dimensions of the fixed point and driver connections are identical.

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Guide channels  
 ▶ from page 375



Strain relief devices  
 ▶ from page 381



Cables for cable carrier systems  
 ▶ from page 438



Notes

Inside heights



Inside widths



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Cable Center Configuration

