

PROTUM® series

Small, light cable carriers
for unsupported applications

P0240 GS

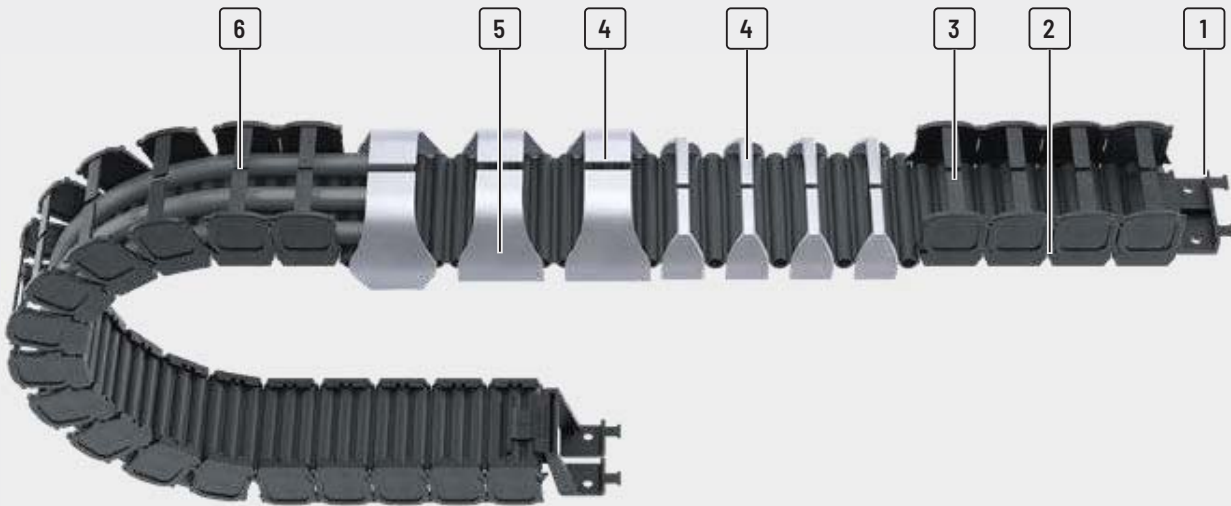


product
design award

2015

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- | | | |
|---|--|--|
| <p>1 End connectors with strain relief comb</p> <p>2 Very long service life – no links and therefore no link wear</p> | <p>3 Very good ratio of usable space to outer dimensions</p> <p>4 Variant for office use</p> | <p>5 Solid plastic cable carrier</p> <p>6 Cables are simply pressed in</p> |
|---|--|--|

Features

- » Quiet running through short pitch
- » Low-vibration operation
- » Ideal for short travel lengths and high travel speeds
- » Gentle on the cables due to virtually no polygon effect
- » Cost savings through easy cable installation
- » Installation of pre-assembled cables also possible
- » Belt with clip-on side parts
- » Easy adaptation of the chain length
- » Low weight, good ratio between inner and outer width



End connectors with integrated strain relief comb



Cables are simply pressed in



The basic structure: belt with clip-on side parts



PROTUM OFFICE for office furniture and interiors

Type	Opening variant	Stay variant	h_i	h_G	B_i	B_k	B_i - grid	t	KR	Additional load \leq [kg/m]	Cable- d_{max} [mm]
			[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		
P0160											
		010	15	25	15-30	19-34	-	16	18-48	0.26	12
P0240											
		010	20	31	20-40	25-45	-	24	27-72	0.50	16
P0240 GS											
		010	10	23	50	54	-	24	-	-	8
P0400 GS											
		010	21.5	34	50	55	-	40	-	-	8
		010	21.5	53.5	50	55	-	40	-	-	8

PROTUM®
series

K
series

UNIFLEX
Advanced
series

M
series

TKHD
series

XL
series

QUANTUM®
series

TKR
series

TKA
series

UAT
series

PROTUM® series | Overview

Unsupported arrangement			Gliding arrangement			Inner Distribution				Movement			Page
Travel length ≤ [m]	v_{max} ≤ [m/s]	a_{max} ≤ [m/s ²]	Travel length ≤ [m]	v_{max} ≤ [m/s]	a_{max} ≤ [m/s ²]	TS0	TS1	TS2	TS3	vertical hanging or standing	lying on the side	rotating arrangement	

1.18	25	200	-	-	-	-	-	-	-	•	-	-	268
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1.50	25	200	-	-	-	-	-	-	-	•	-	-	272
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-	-	-	-	-	-	-	-	-	-	(•)	-	-	275
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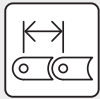
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-	-	-	-	-	-	-	-	-	-	(•)	-	-	290
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PROTUM® series
K series
UNIFLEX Advanced series
M series
TKHD series
XL series
QUANTUM® series
TKR series
TKA series
UAT series

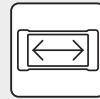
P0160



Pitch
16 mm



Inner height
15 mm



Inner widths
15 - 30 mm



Bending radii
18 - 48 mm

K series

UNIFLEX
Advanced
series

M series

TKHD
seriesXL
seriesQUANTUM®
seriesTKR
seriesTKA
seriesUAT
series

Stay variants



Design 010 page 268

Frame with lamellae in the outer radius

- » Belt with clip-on side parts.
- » **Outside:** for pressing in.



TOTALTRAX® complete systems

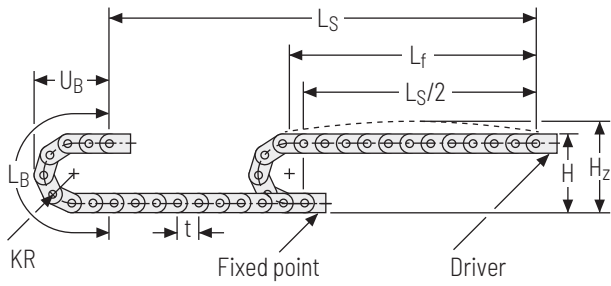
Benefit from the advantages of the TOTALTRAX® complete system. A complete delivery from one source – with a warranty certificate on request! Learn more at tsubaki-kabelschlepp.com/totaltrax



TRAXLINE® cables for cable carriers

Hi-flex electric cables which were specially developed, optimised and tested for use in cable carriers can be found at tsubaki-kabelschlepp.com/traxline.

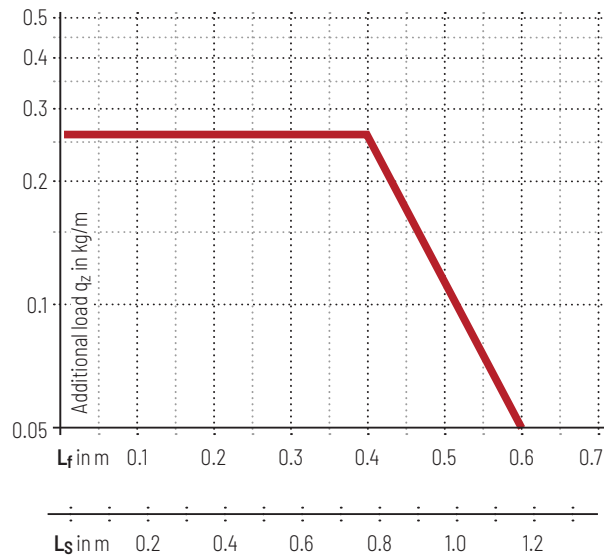
Unsupported arrangement



KR [mm]	H [mm]	H _z [mm]	L _B [mm]	U _B [mm]
18	76	91	89	54
28	96	111	120	64
38	116	131	152	74
48	136	151	183	84

Load diagram for unsupported length depending on the additional load.

Intrinsic cable carrier weight $q_k = 0.21 \text{ kg/m}$ with B; 30 mm. For other inner widths, the maximum additional load changes.



 **Speed**
up to 25 m/s

 **Acceleration**
up to 200 m/s²

 **Travel length**
up to 1.18 m

 **Additional load**
up to 0.26 kg/m

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UAT series

Additional product information online



Installation instructions, etc.:
Additional info via your smartphone or check online at tsubaki-kabelschlepp.com/downloads



Configure your cable carrier here:
online-engineer.de

Stay variant 010 – with lamellae in the outer radius

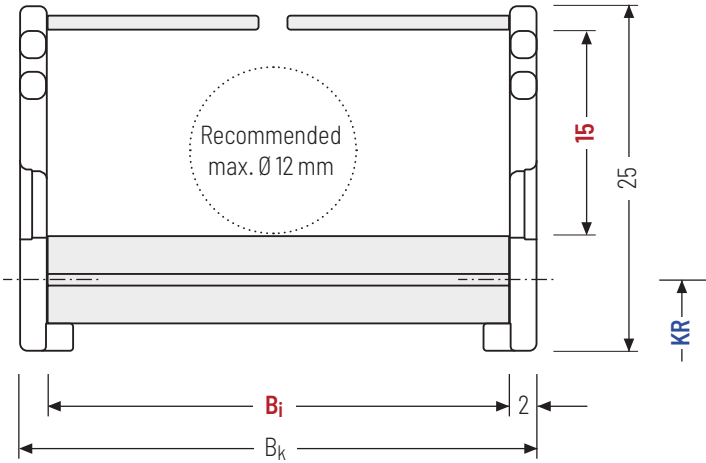
- » Belt with clip-on side parts.
- » **Outside:** for pressing in.



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



B_i 15 – 30 mm



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_k

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

Cable carrier length L_k rounded to pitch t

h_i [mm]	h_g [mm]	B_i [mm]			B_k [mm]	KR [mm]				q_k [kg/m]
15	25	15	20	30	$B_i + 4$	18	28	38	48	0.14 – 0.21

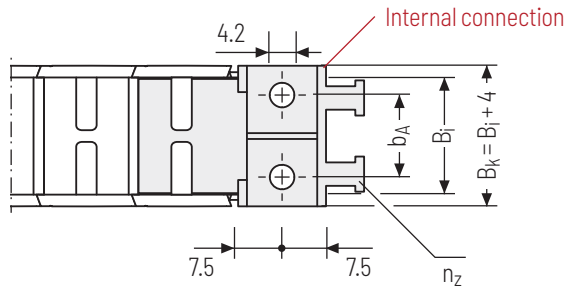
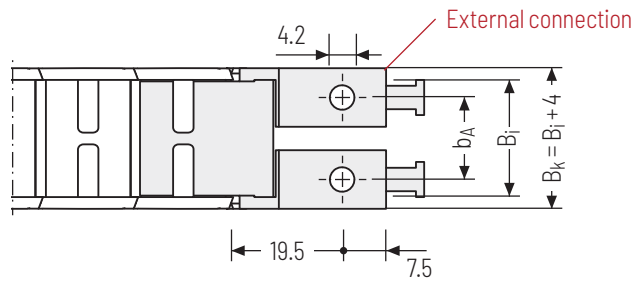
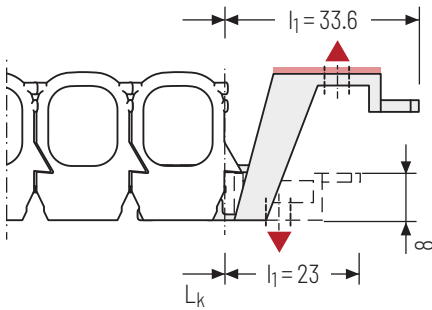
Order example



P0160
Type ·
 010
Stay variant ·
 20
 B_i [mm] ·
 38
 KR [mm] ·
 440
 L_k [mm] ·
 VS
Stay arrangement

Single-part end connectors – plastic (with integrated strain relief)

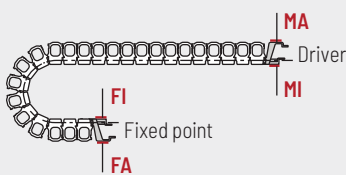
The plastic end connectors can be connected from above or below. The correct end connector has to be chosen in each case.



▲ Assembly options

B_i [mm]	b_A [mm]	n_z
15	11	2
20	14	2
30	22	3

The end connectors cannot be swivelled.



Connection point

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

Connection type

- A** - threaded joint outside (standard)
- I** - threaded joint inside

Order example

	Ext. connection	F	A
	Int. connection	M	A
	End connector	Connection point	Connection type

Subject to change without notice.

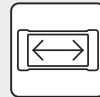
P0240



Pitch
24 mm



Inner height
20 mm



Inner widths
20 - 40 mm



Bending radii
27 - 72 mm

K series

Stay variants

UNIFLEX
Advanced
series

Design 010 page 272

Frame with lamellae in the outer radius

- » Belt with clip-on side parts.
- » **Outside:** for pressing in.

M series

TKHD
series

TOTALTRAX® complete systems

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XL series

QUANTUM®
series

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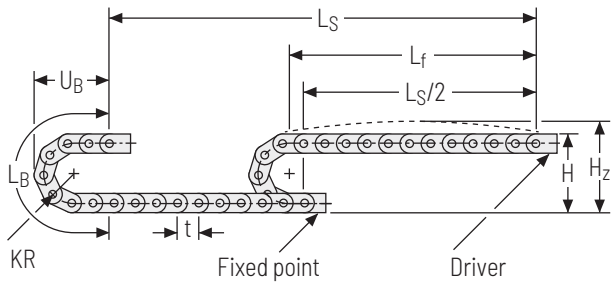
TKR series

TKA series

UAT series



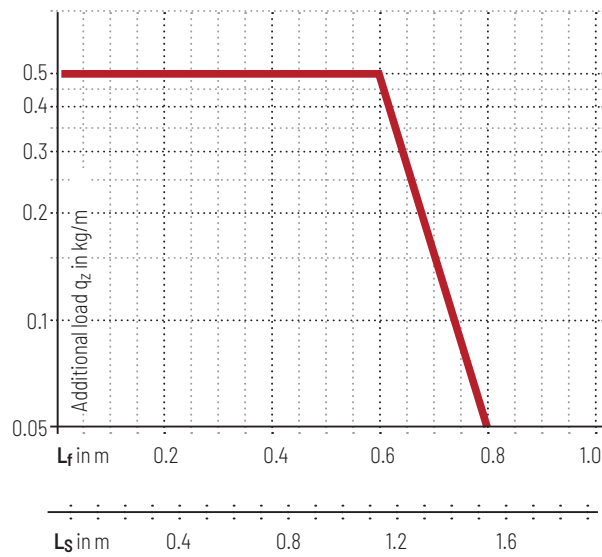
Unsupported arrangement



KR [mm]	H [mm]	H _z [mm]	L _B [mm]	U _B [mm]
27	106	126	133	77
42	136	156	180	92
57	166	186	227	107
72	196	216	275	122

Load diagram for unsupported length depending on the additional load.

Intrinsic cable carrier weight $q_k = 0.27 \text{ kg/m}$ with $B_i 40 \text{ mm}$. For other inner widths, the maximum additional load changes.



Speed
up to 25 m/s

Acceleration
up to 200 m/s^2

Travel length
up to 1.5 m

Additional load
up to 0.5 kg/m

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

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Installation instructions, etc.:
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Stay variant 010 – with lamellae in the outer radius

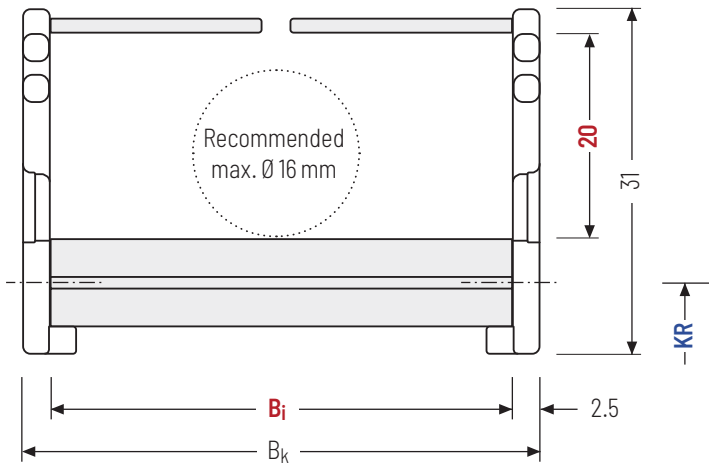
- » Belt with clip-on side parts.
- » **Outside:** for pressing in.



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



B_i 20 – 40 mm



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_k

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

Cable carrier length L_k rounded to pitch t

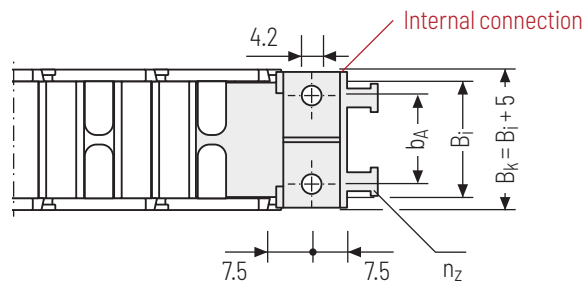
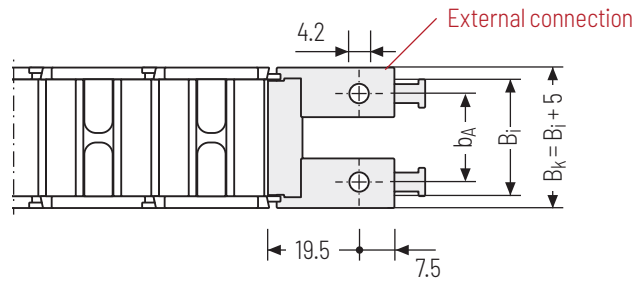
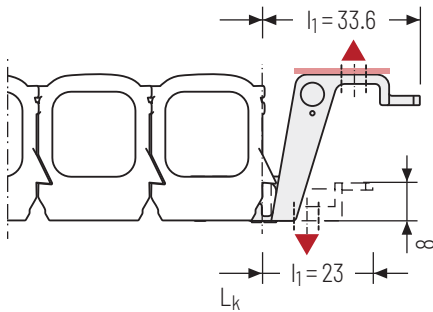
h_i [mm]	h_g [mm]	B_i [mm]			B_k [mm]	KR [mm]				q_k [kg/m]
20	31	20	30	40	$B_i + 5$	27	42	57	72	0.18 – 0.27

Order example


P0240
Type ·
 010
Stay variant ·
 30
 B_i [mm] ·
 42
 KR [mm] -
 440
 L_k [mm]
VS
Stay arrangement

Single-part end connectors – plastic (with integrated strain relief)

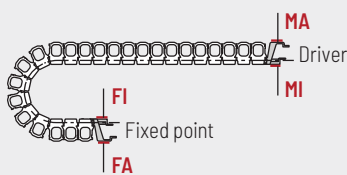
The plastic end connectors can be connected from above or below. The correct end connector has to be chosen in each case.



▲ Assembly options

B_i [mm]	b_A [mm]	n_z
20	11	2
30	22	3
40	32	3

The end connectors cannot be swivelled.



Connection point

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

Connection type

- A** - threaded joint outside (standard)
- I** - threaded joint inside

Order example

	Ext. connection	F	A
	Int. connection	M	A
	End connector	Connection point	Connection type

Subject to change without notice.

P0240 GS

PROTUM OFFICE



Pitch
24 mm



Inner height
10 mm



Inner width
50 mm

This variant for office use is based on the PROTUM® cable carrier system.

With an inner width of 50 mm and cable installation on both sides, PROTUM OFFICE offers sufficient space for telecommunication, energy and data cables in modern offices.

The linkless design can blend into the environment as a

design element, e.g. with an elegant silver-grey optic.

Small, light cable carrier

- » Long service life - no links and therefore no link wear
- » Good ratio of usable space to outer dimensions
- » Easy installation by pressing in the cables
- » Easy to install and fill
- » Suitable for retrofitting
- » Clean, space-saving installation
- » Can be filled on one or both sides

Easy and fast installation

- » Connections for all smooth surfaces
- » Standard connection for table frame, round and square outside the footwell
- » Up to 4 installation options, depending on connection (magnets, screws, cable ties and adhesive tape)
- » Floor connection for sturdy positioning and floor connection

Stay variants



Design 010 page 275

Frame with lamellae in the outer radius

- » Belt with clip-on side parts.
- » **One-sided:** for pressing in.

Stay variant 010 – with lamellae in the outer radius

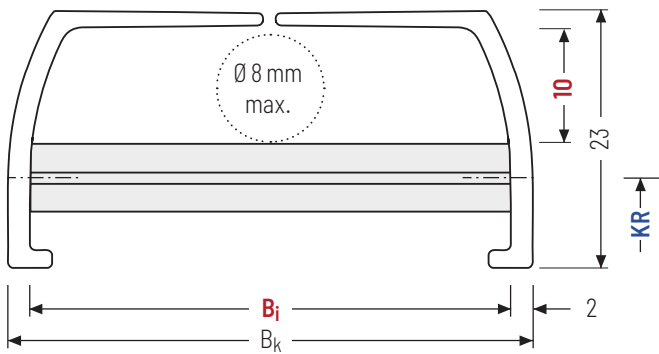
- » Belt with clip-on side parts.
- » **Outside:** for pressing in.



Stay arrangement on each chain link (**fully stayed**)

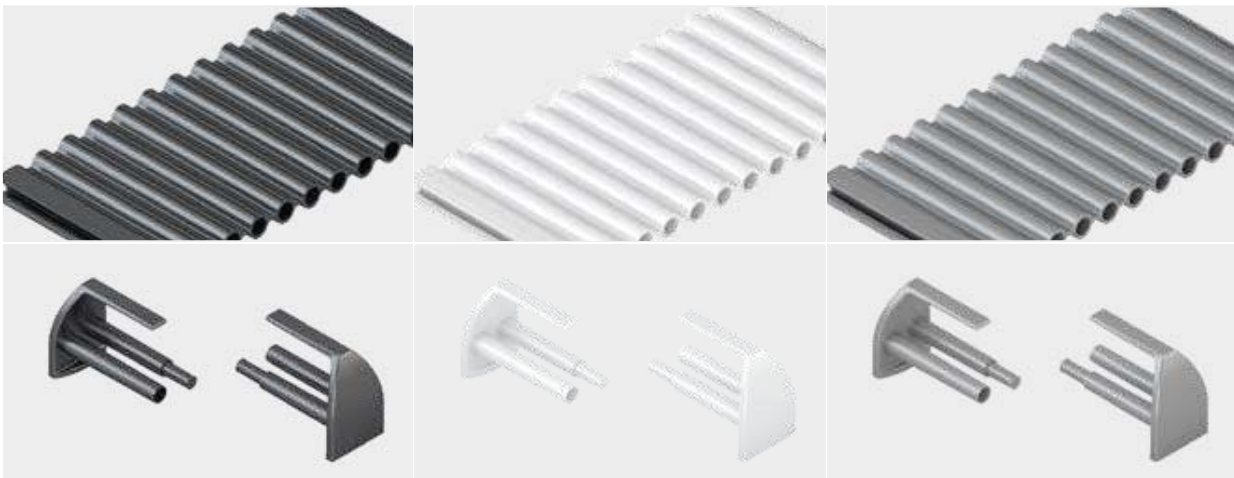


B_i 50 mm



h_i [mm]	h_G [mm]	B_i [mm]	B_k [mm]	q_k [kg/m]
10	23	50	$B_i + 4$	0.28

Standard colors



Black (RAL 9005)
Mat. no. 75637*

White (RAL 9010)
Mat. no. 75645*

Silver-gray (RAL 9023)
Mat. no. 75641*



For bulk buyers, the color variants of the belt, the side parts and the connections can be individually combined on request.

* Length: 960 mm

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K
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M
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TKHD
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series

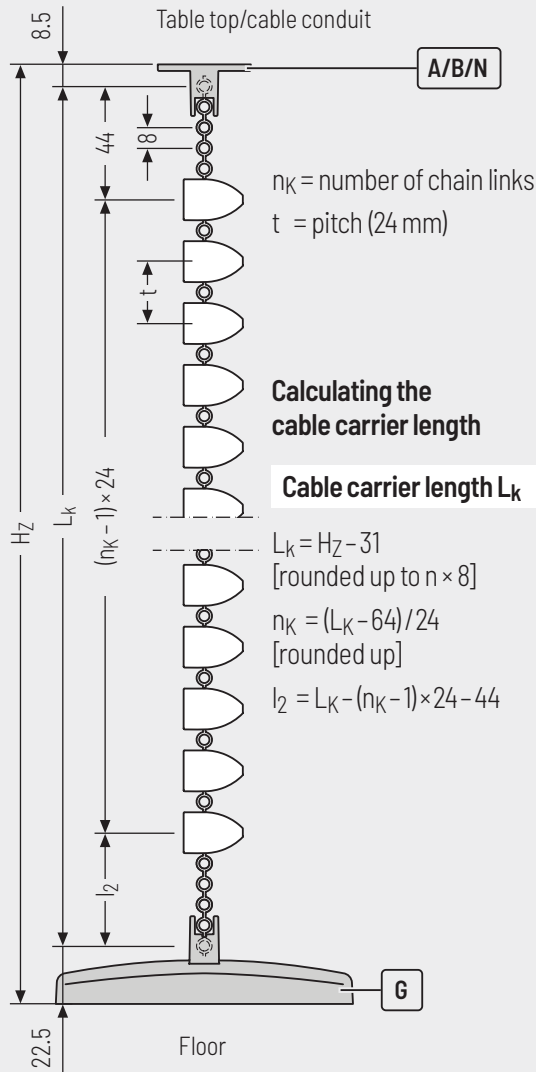
TKA
series

UAT
series

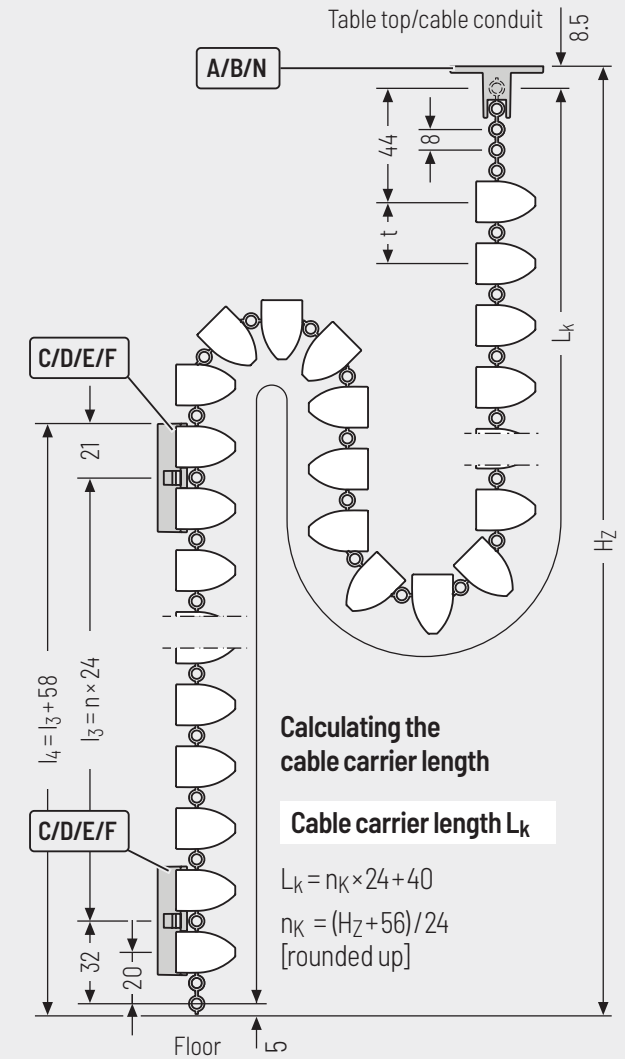
Combination options for end connectors

Depending on the design of your office furniture, different combination options are possible for the end connectors. They can be attached underneath table tops/cable conduits, to round or square table legs or to the floor.

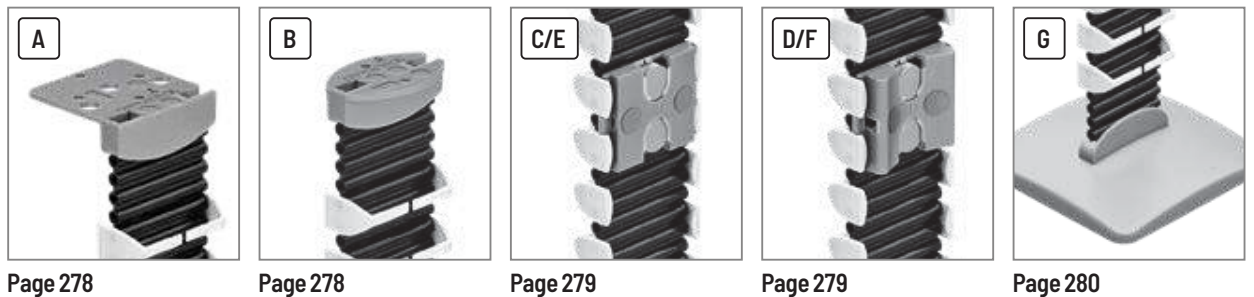
Combination options for tables without height adjustment



Combination options for tables with height adjustment



End connectors



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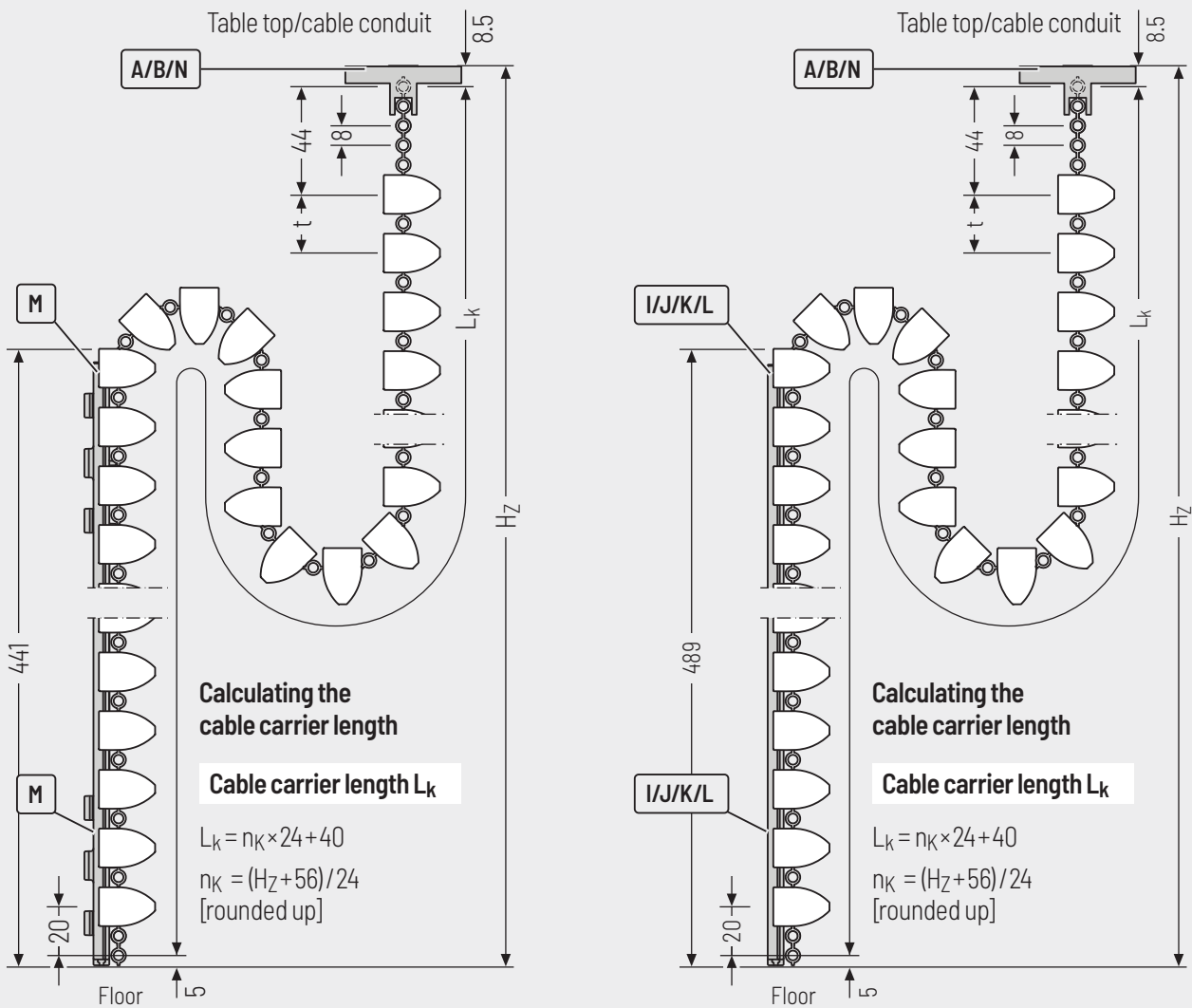
Page 280

All connections and cable carriers can be combined with each other and are available in the colour variants silver-grey, black and white.

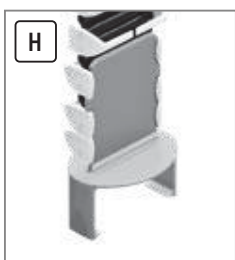
Combination options for end connectors

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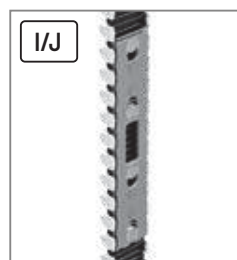
Combination options for tables with height adjustment



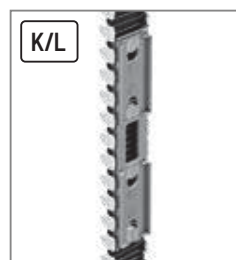
End connectors



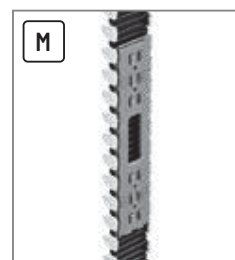
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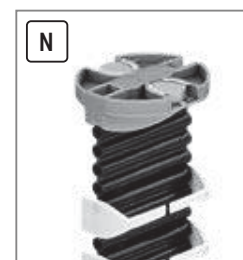
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Page 284

 All connections and cable carriers can be combined with each other and are available in the colour variants silver-grey, black and white.

PROTUM®
series

K
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TKHD
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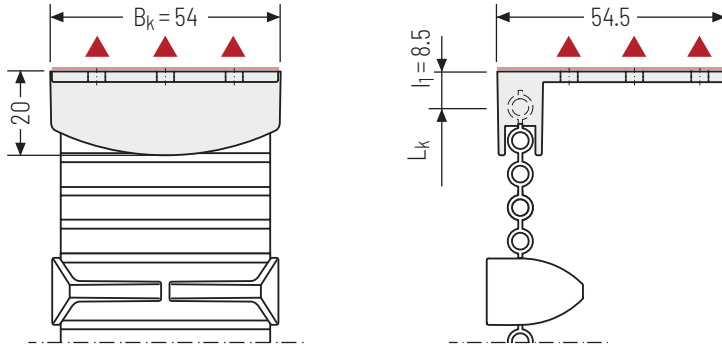
TKR
series

TKA
series

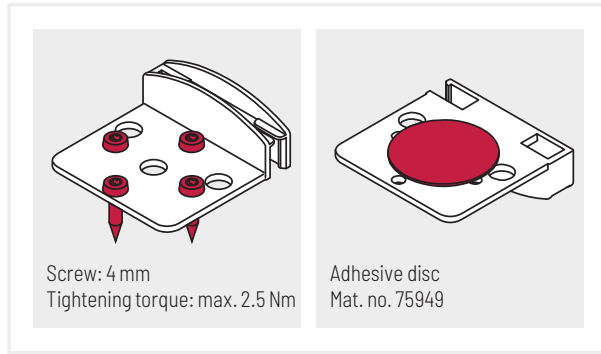
UAT
series

Connection A – angled for table top

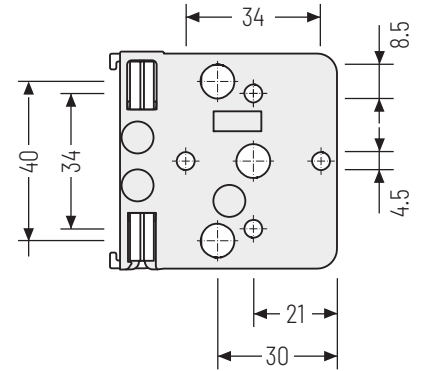
Table connection for screw-fixing the cable routing underneath the table top or on a cable conduit.



Fixing variant



▲ Installation options



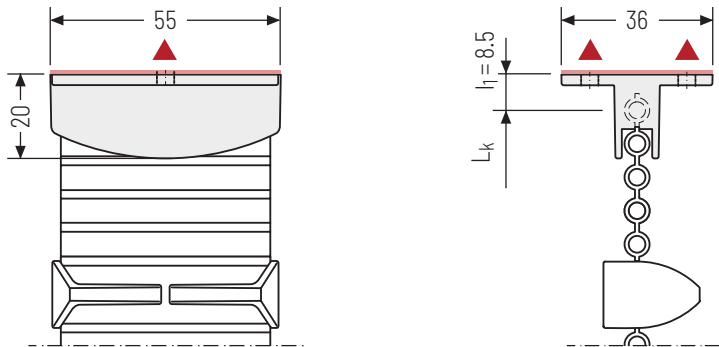
Color variants

- Black
Mat. no. 75739*
- White
Mat. no. 75884*
- Silver-gray
Mat. no. 75876*

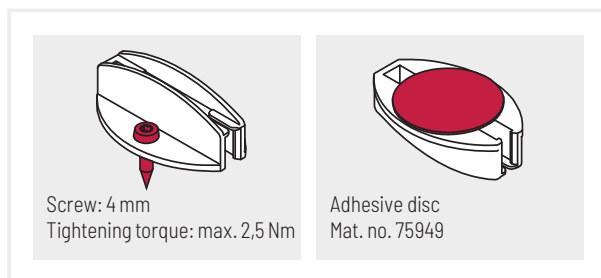
*SU = 50 pieces

Connection B – oval for table top

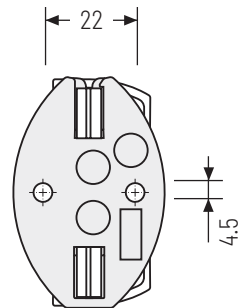
Table connection for screw-fixing the cable routing underneath the table top or on a cable conduit.



Fixing variant



▲ Installation options



Color variants

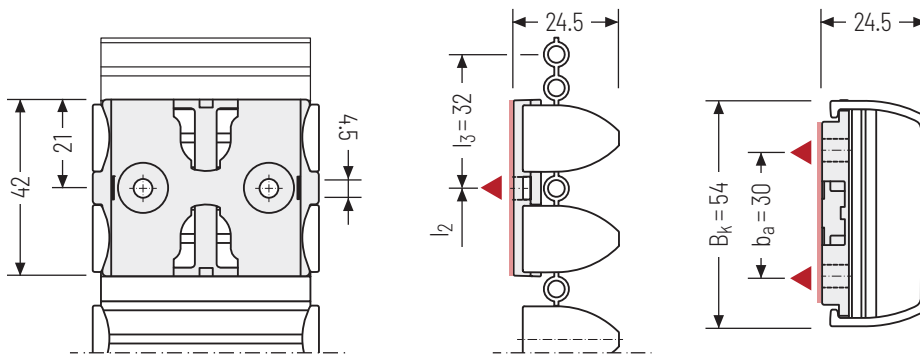
- Black
Mat. no. 75740*
- White
Mat. no. 75885*
- Silver-gray
Mat. no. 75877*

*SU = 50 pieces

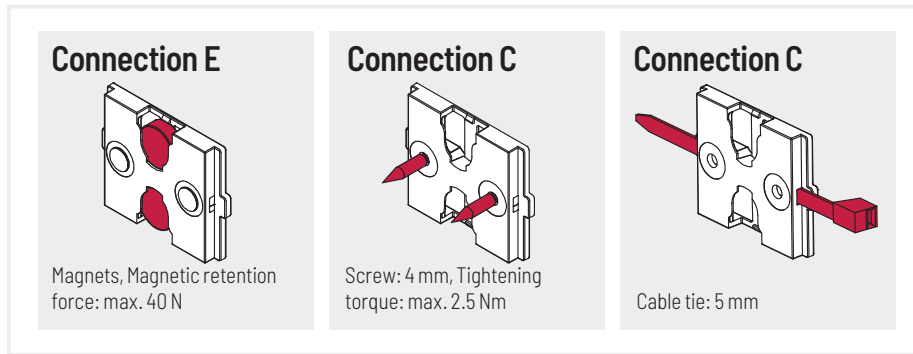
 Also available as magnetic version (Connector N) see p. 284

Connection C/E – for flat table frame

Connection for installing the cable routing on a square table frame. Fixing with integrated magnets, screws or cable ties.



Fixing variants



▲ Installation options

Self-adhesive counterholder available for non-magnetic surfaces!

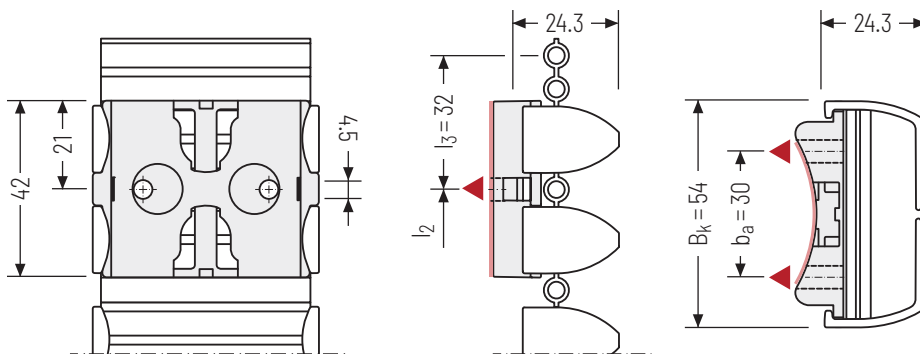
Color variants

- Black
(E) Mat. no. 75741*
(C) Mat. no. 75742*
- White
(E) Mat. no. 75886*
(C) Mat. no. 75887*
- Silver-gray
(E) Mat. no. 75878*
(C) Mat. no. 75879*

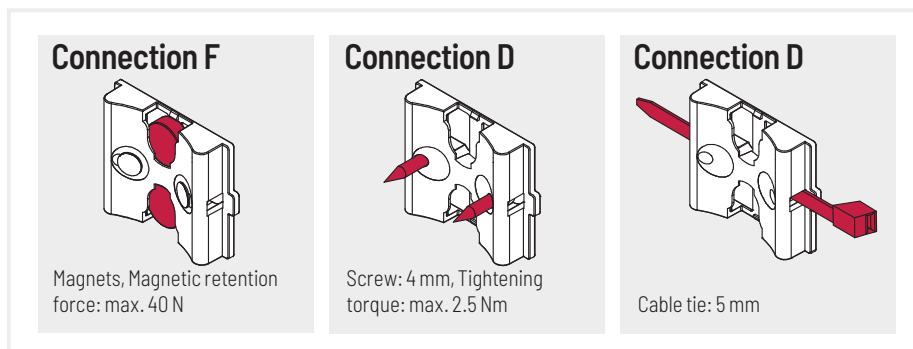
*SU=50 pieces

Connection D/F – for round table frame

Connection for installing the cable routing on a table frame with 70 mm diameter. Fixing with integrated magnets, screws or cable ties.



Fixing variants



▲ Installation options

Color variants

- Black
(F) Mat. no. 75744*
(D) Mat. no. 75743*
- White
(F) Mat. no. 75888*
(D) Mat. no. 75889*
- Silver-gray
(F) Mat. no. 75880*
(D) Mat. no. 75881*

*SU=50 pieces

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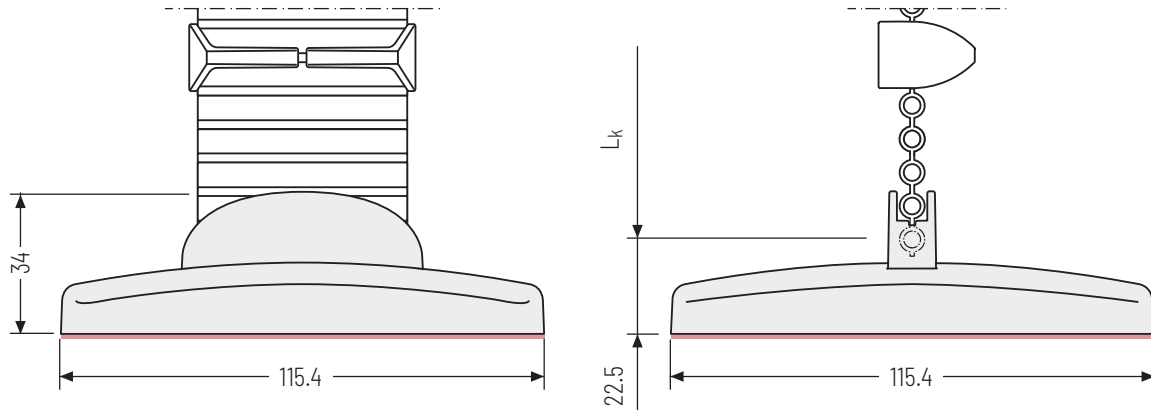
TKR
series

TKA
series

UAT
series

Connection G - floor connection

Floor connection for a clean transition of the cable routing to the floor.
Individual colors and designs on request.

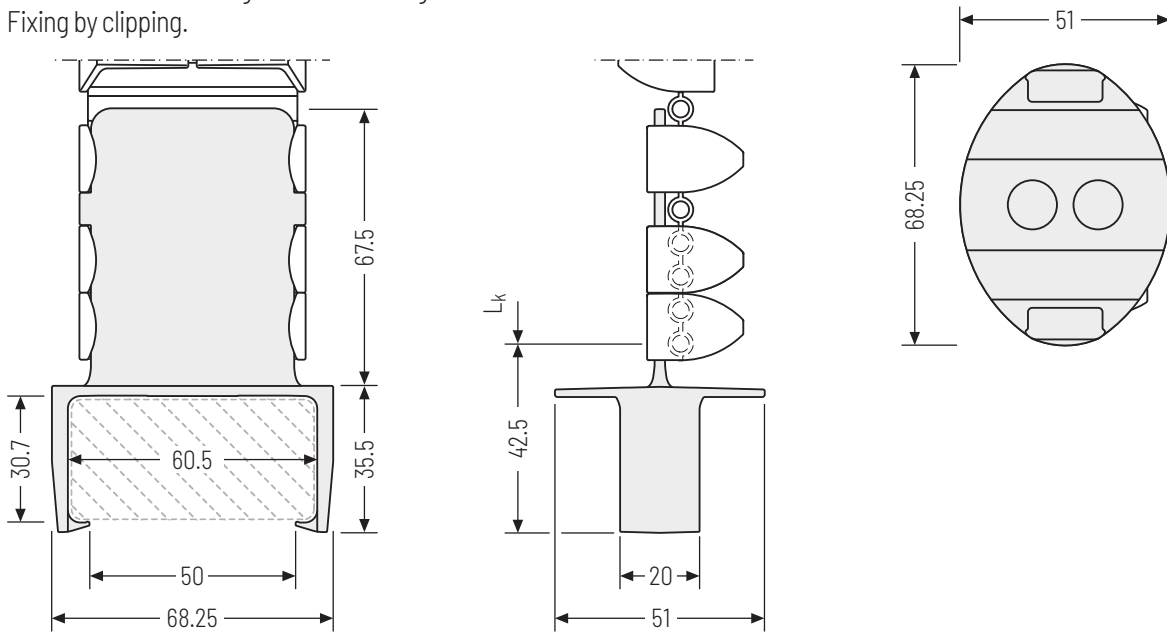


Color variants

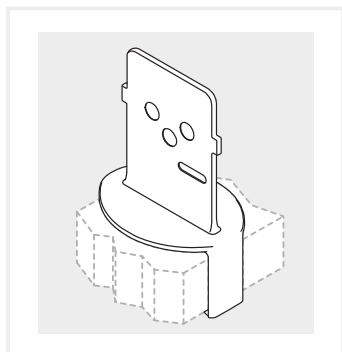
- Black
Mat. no. 75745*
 - White
Mat. no. 75890*
 - Silver-gray
Mat. no. 75882*
- *SU = 50 pieces

Connection H - for table base

Connection for installing the cable routing on a table base.
Fixing by clipping.



Fixing variant



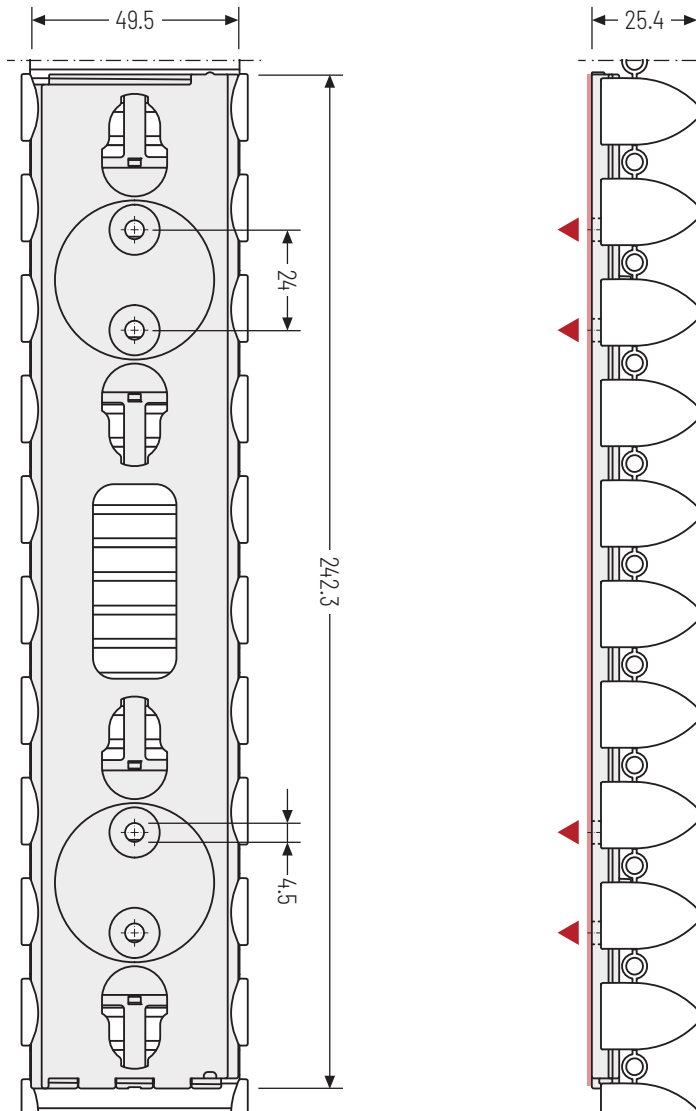
Color variants

- Black
Mat. no. 75992*
- White
Mat. no. 75994*
- Silver-gray
Mat. no. 75993*

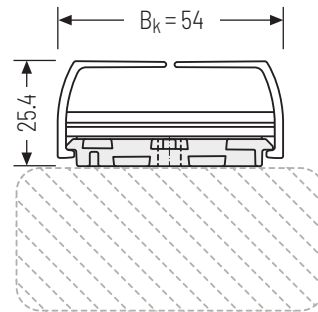
*SU = 50 pieces

Connection I/J – for flat table frame

Connection for installing the cable routing on a square table frame. Fixing with integrated magnets or screws.



▲ Installation options



i Self-adhesive counterholder available for non-magnetic surfaces!

Color variants

- Black
(I) Mat. no. 75940*
(J) Mat. no. 75634*
- White
(I) Mat. no. 75941*
(J) Mat. no. 75635*
- Silver-gray
(I) Mat. no. 75942*
(J) Mat. no. 75636*

*SU = 50 pieces

Fixing variants

<p>Connection I</p> <p>Up to 4 magnets, Magnetic retention force: min. 60 N</p>	<p>Connection J</p> <p>Up to 4 Screws: 4 mm Tightening torque: max. 2,5 Nm</p>	<p>Connection J</p> <p>For slot nut M4 Cylinder screw: DIN 9612 M4 Washer: DIN 125</p>	<p>Connection J</p> <p>Adhesive disc Mat. no. 75949</p>
--	---	---	--

Subject to change without notice.

PROTUM®
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K
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UNIFLEX
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TKHD
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XL
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QUANTUM®
series

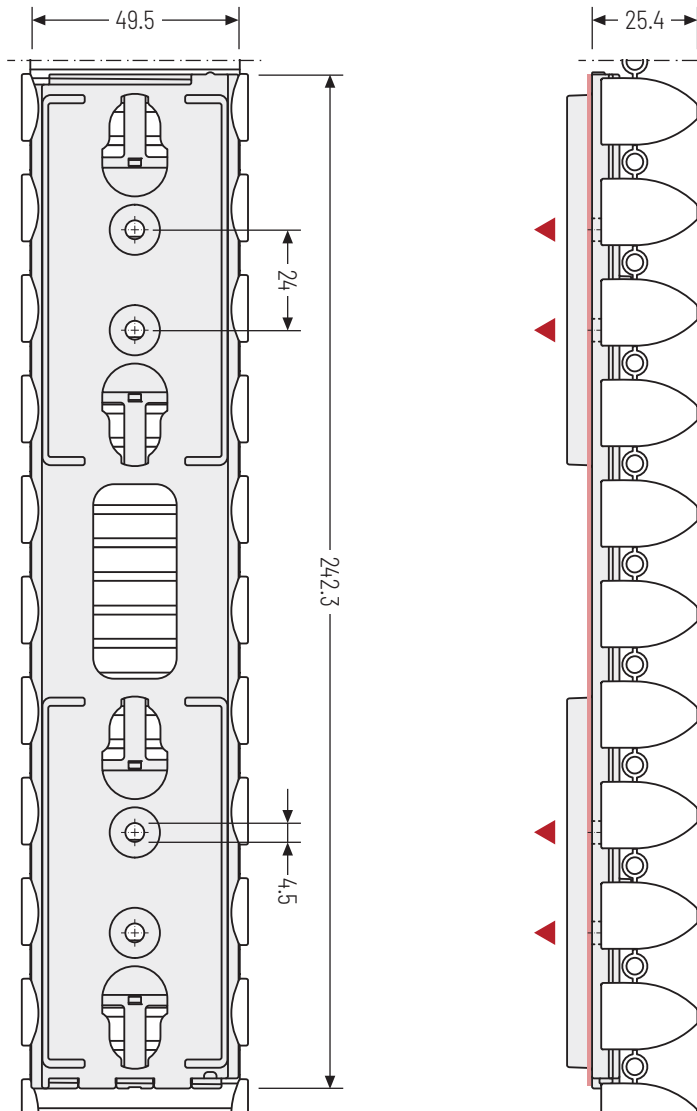
TKR
series

TKA
series

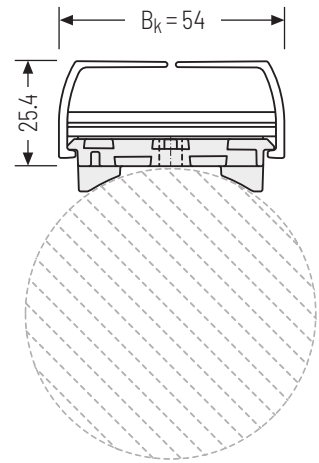
UAT
series

Connection K/L – for round table frame

Connection for installing the cable routing on a table frame with 70 mm diameter. Fixing with integrated magnets or screws.



▲ Installation options



i Individual diameters on request.

Color variants

- Black
(K) Mat. no. 75943*
(L) Mat. no. 75647*
- White
(K) Mat. no. 75944*
(L) Mat. no. 75648*
- Silver-gray
(K) Mat. no. 75945*
(L) Mat. no. 75649*

*SU = 50 pieces

Fixing variants

Connection K

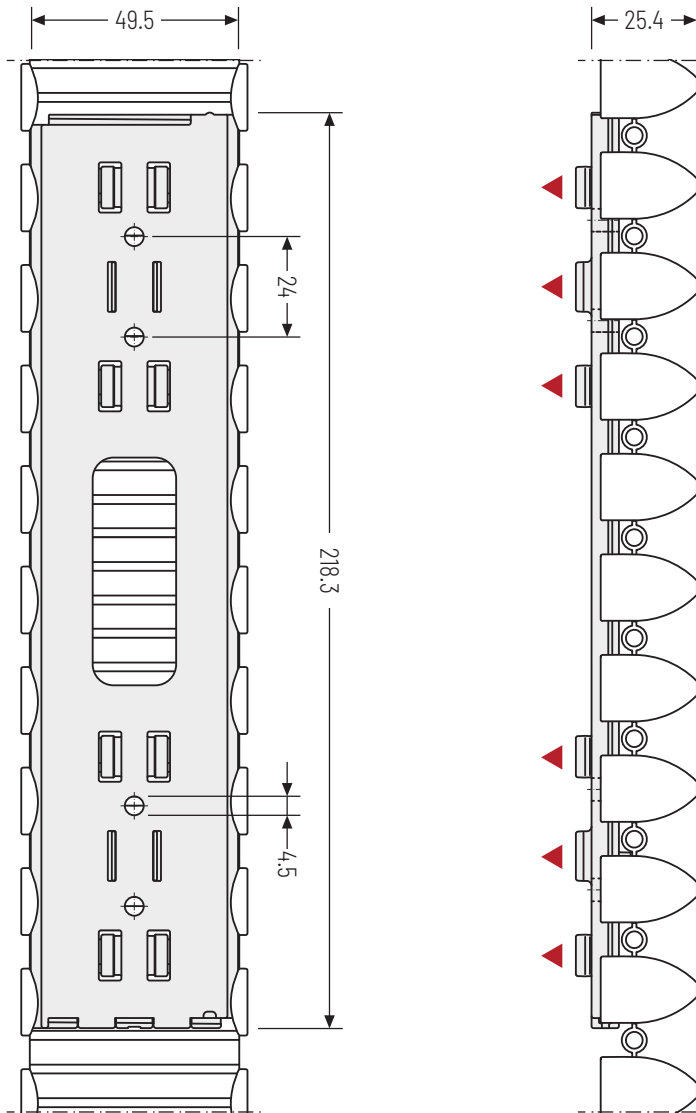
Up to 4 magnets
Magnetic retention force: min. 60 N

Connection L

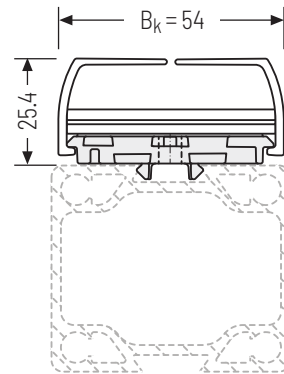
Up to 4 Screws: 4 mm
Tightening torque: max. 2.5 Nm

Connection M – for profiles flat

Connection for installing the cable routing on aluminum profiles rectangular. Fixing via integrated clip.



▲ Installation options



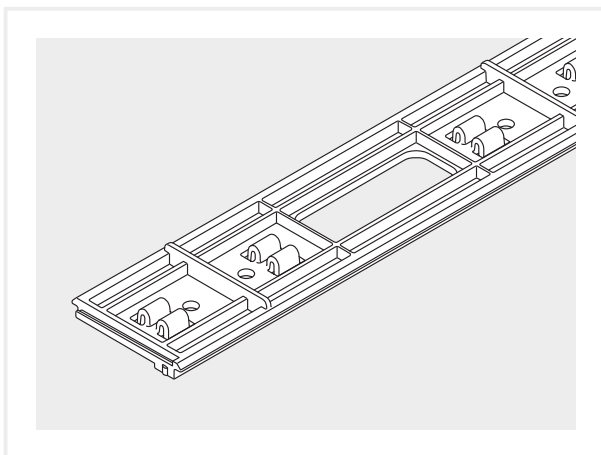
i Individual profile cross-section on request.

Color variants

- Black
Mat. no. 75937*
- White
Mat. no. 75938*
- Silver-gray
Mat. no. 75939*

*SU = 50 pieces

Fixing variant



i The assembly depends on the shape of the aluminum profile. Please contact us - we are happy to advise you

Subject to change without notice.

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series

UAT
series

PROTUM®
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K
series

UNIFLEX
Advanced
series

M
series

TKHD
series

XL
series

QUANTUM®
series

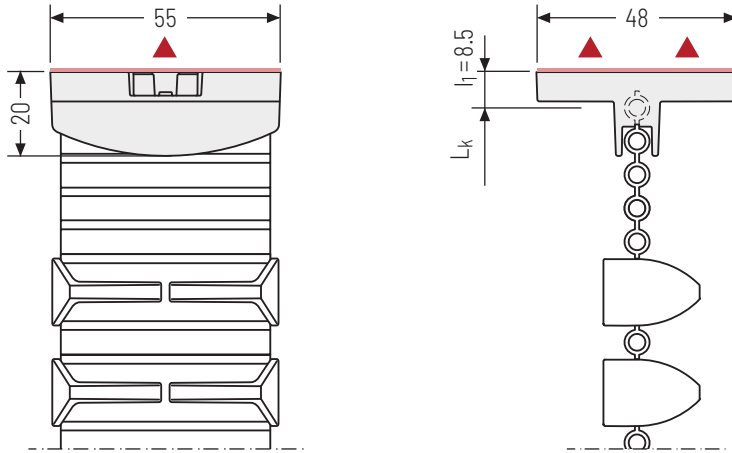
TKR
series

TKA
series

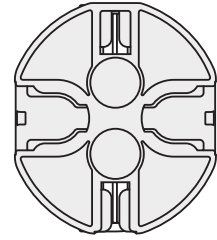
UAT
series

Connection N – oval for table top

Table connection for installing the cable routing underneath the table top or on a cable conduit via integrated magnets.

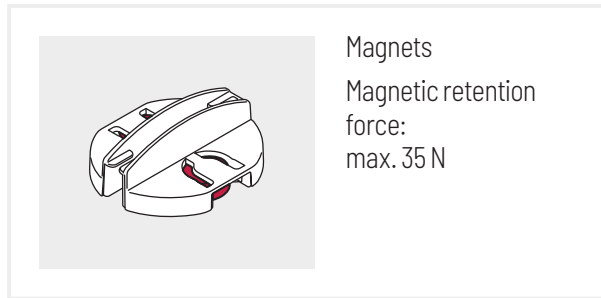


▲ Installation options



i Self-adhesive counterholder available for non-magnetic surfaces!

Fixing variant



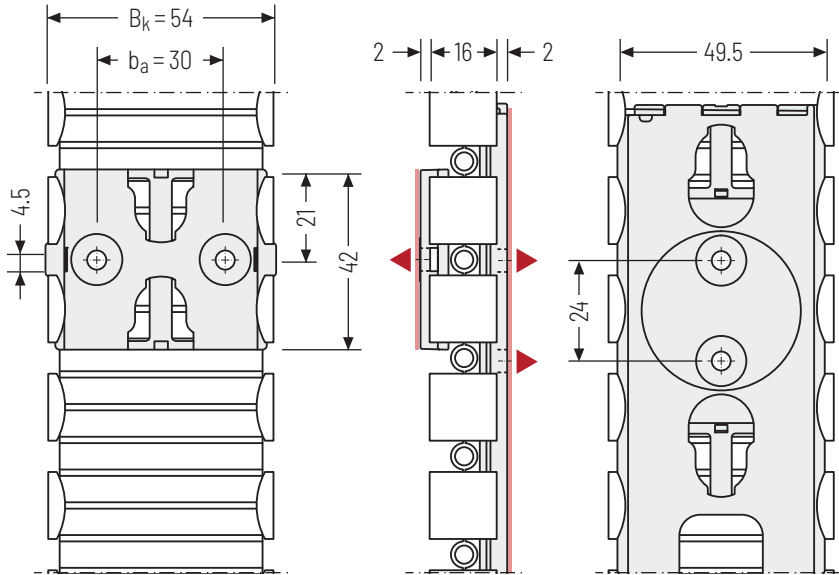
Color variants

- Black
Mat. no. 75937*
- White
Mat. no. 75938*
- Silver-gray
Mat. no. 75939*

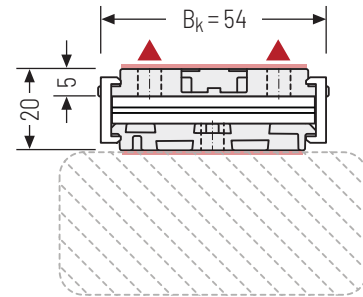
*SU = 50 pieces

Side parts „Clip“ – Fixing kit for connection on both sides

Connection for installing the cable routing and attachments such as connector strips, adapters and much more. Fixing with integrated magnets or screws.

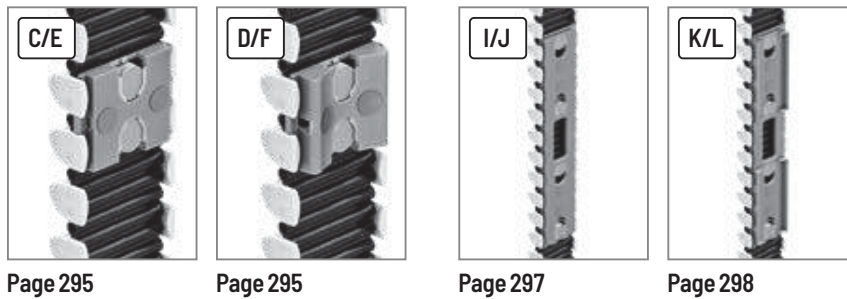


▲ Installation options



i Self-adhesive counterholder available for non-magnetic surfaces!

The fixing kit includes the belt and the side parts "Clip" for a length of 480 mm. The side parts "Clip" can be combined with the following connectors:



Page 295

Page 295

Page 297

Page 298

Color variants

- Black
Mat. no. 75815*
- White
Mat. no. 75817*
- Silver-gray
Mat. no. 75816*

* Length: 480 mm



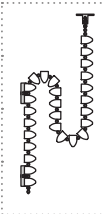
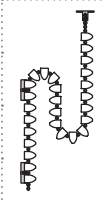
Side parts „Clip“

Subject to change without notice.



Order

Standard sets for height-adjustable tables (standing/seated work stations) up to 740 mm lifting height

		Color	Order no. Set
	Standard set Protum Office P0240GS for standing/seated work station for one-sided cable laying , total length 1350 mm incl. 1 connection B and 2 connections F for installation underneath a table top and on a round table frame (D = 70 mm)	● Black	75905
		○ White	75907
		● Silver-gray	75906
		● Black/Silver-gray	75908
	Standard set Protum Office P0240GS for standing/seated work station for one-sided cable laying , total length 1350 mm incl. 1 connection B and 2 connections E for installation underneath a table top and on a flat table frame	● Schwarz	75901
		○ White	75903
		● Silver-gray	75902
		● Black/Silver-gray	75904

Standard sets for non-height adjustable tables (standard work stations)

		Color	Order no. Set
	Standard set Protum Office P0240GS for standard work station for one-sided cable laying , total length 815 mm incl. 1 connection B and 1 connection G for installation underneath a table top and the floor transition	● Black	75896
		○ White	75898
		● Silver-gray	75897
		● Black/Silver-gray	75900

All sets are delivered packaged in a box including fixing materials and installation instructions. The order number applies for 1 set / 1 sales unit (SU) = 50 sets. Individual sets only for bulk buyers on request.

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series

UAT
series

P0400 GS

PROTUM OFFICE



Pitch
40 mm



Inner height
21.5 mm



Inner width
50 - 52 mm

This variant for office use is based on the PROTUM® cable carrier system.

With an inner width of 50 mm and cable installation on both sides, PROTUM OFFICE offers sufficient space for telecommunication, energy and data cables in modern offices.

The linkless design can blend into the environment as a

design element, e.g. with an elegant silver-grey optic.

Small, light cable carrier

- » Long service life - no links and therefore no link wear
- » Good ratio of usable space to outer dimensions
- » Easy installation by pressing in the cables
- » Easy to install and fill
- » Suitable for retrofitting
- » Clean, space-saving installation
- » Can be filled on one or both sides

Easy and fast installation

- » Connections for all smooth surfaces
- » Standard connection for table frame, round and square outside the footwell
- » Up to 4 installation options, depending on connection (magnets, screws, cable ties and adhesive tape)
- » Floor connection for sturdy positioning and floor connection
- » Complete separation of data and power cables

Stay variants



P0400GS01 (one-sided) page 290

Frame with lamellae in the outer radius

- » Belt with clip-on side parts.
- » **One-sided:** for pressing in.



P0400GS02 (double-sided) page 290

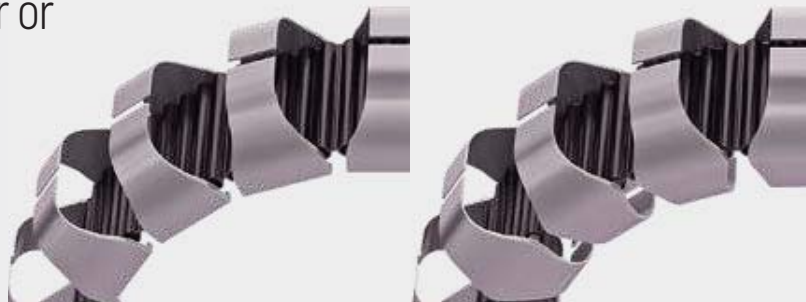
Frame with lamellae in the outer and inner radius

- » Belt with clip-on side parts.
- » **Double-sided:** for pressing in.

K
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Advanced
seriesM
seriesTKHD
seriesXL
seriesQUANTUM®
seriesTKR
seriesTKA
seriesUAT
series

Stay variant 010 – with lamellae in the outer or outer and innerradius

- » Belt with clip-on side parts.
- » **One-sided/Double-sided:** for pressing in.

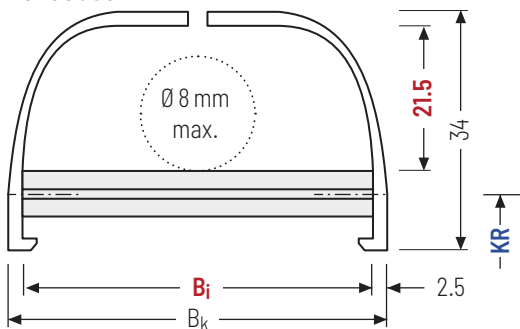


Stay arrangement on each chain link (**fully stayed**)

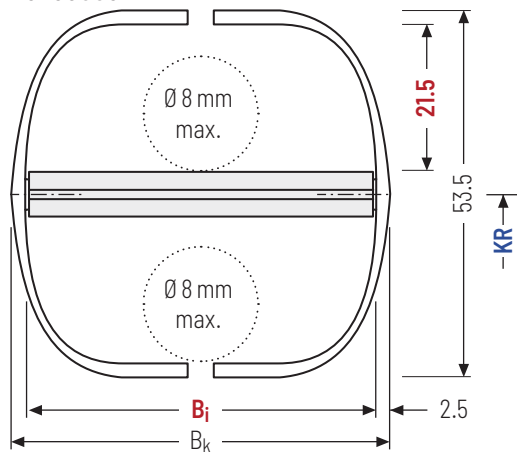


B_i 50 mm

P0400GS01

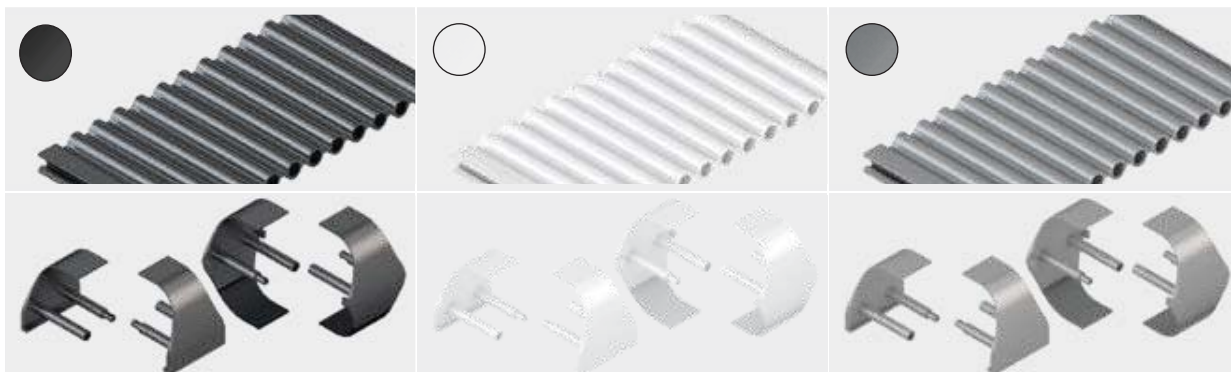


P0400GS02



Design	h_i [mm]	h_G [mm]	B_i [mm]	B_k [mm]	q_k [kg/m]
P0400GS01 (one-sided)	21.5	34	50	$B_i + 5$	0.286
P0400GS02 (double-sided)	21.5	53.5	50	$B_i + 5$	0.336

Standard colours



Black (RAL 9005)
 P0400GS01 Mat. no. 75972*
 P0400GS02 Mat. no. 75981*

White (RAL 9010)
 P0400GS01 Mat. no. 75980*
 P0400GS02 Mat. no. 75989*

Silver-grey (RAL 9023)
 P0400GS01 Mat. no. 75976*
 P0400GS02 Mat. no. 75985*

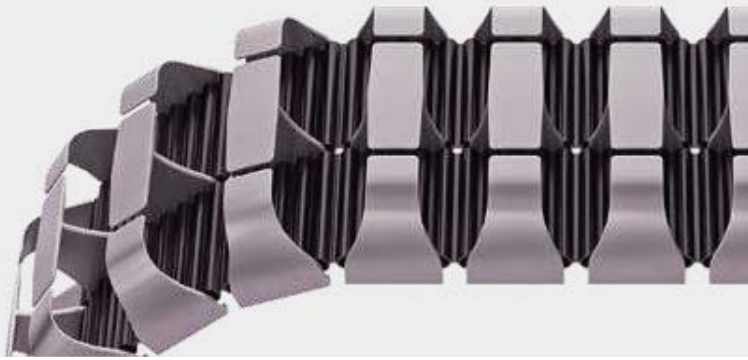


For bulk buyers, the colour variants of the belt, the side parts and the connections can be individually combined on request.

* Length: 960 mm

Stay variant 010 Module combination - with lamellae in the outer radius

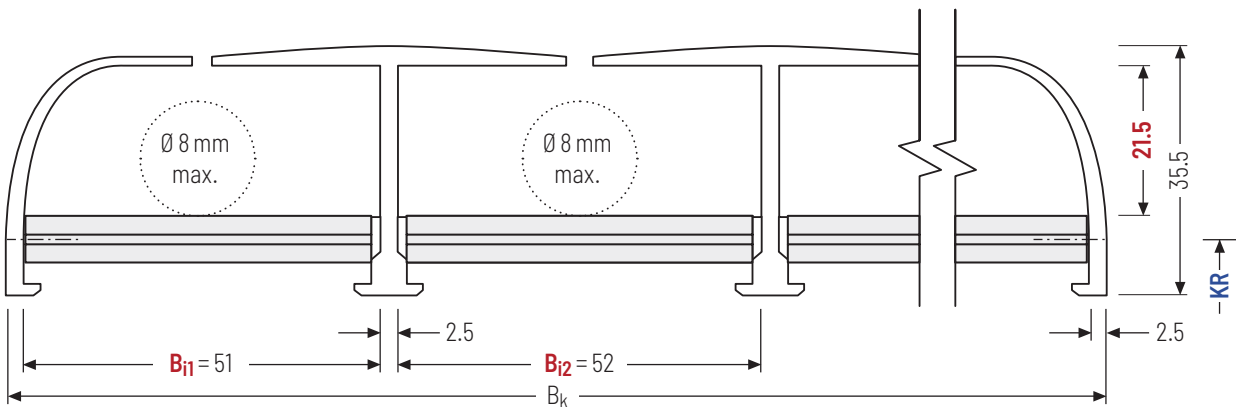
- » Belt with clip-on side and middle parts.
- » Modules can be combined with one another as required.
- » **One-sided:** for pressing in.



Stay arrangement on each chain link (**fully stayed**)

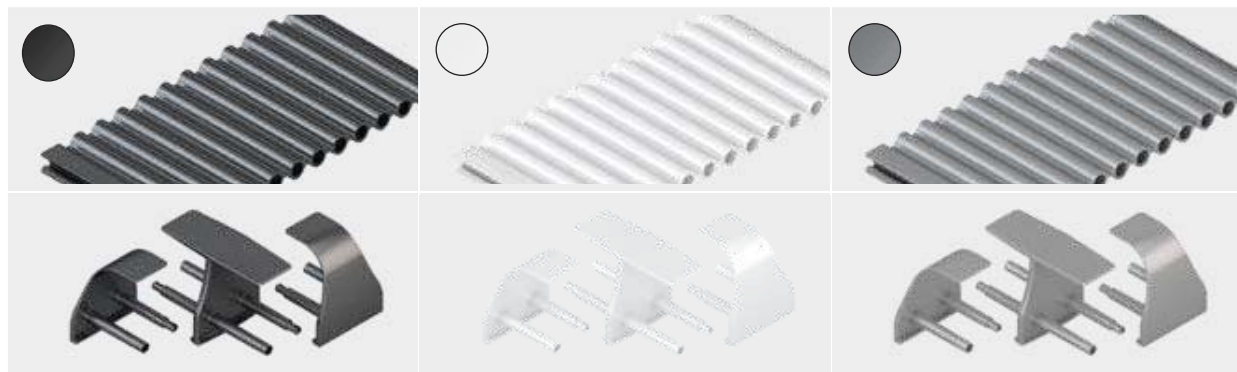


B_i 51/52 mm



Design	Chamber	h_i [mm]	h_G [mm]	B_i [mm]	B_k [mm]	q_k [kg/m]
P0400GS01.2	2	21.5	35.5	2x51	109.5	0.608
P0400GS01.3	3	21.5	35.5	2x51 + 1x52	164.0	0.911
P0400GS01.4	4	21.5	35.5	2x51 + 2x52	218.5	1.215
P0400GS01.5	5	21.5	35.5	2x51 + 3x52	273.0	1.519

Standard colours



Black (RAL 9005)
P0400GS01.2 Mat. no. 75855*

White (RAL 9010)
P0400GS01.2 Mat. no. 75857*

Silver-grey (RAL 9023)
P0400GS01.2 Mat. no. 75856*

Subject to change without notice.



For bulk buyers, the colour variants of the belt, the side parts and the connections, as well as the modules can be individually combined on request.

* Length: 960 mm

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TKHD
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XL
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QUANTUM®
series

TKR
series

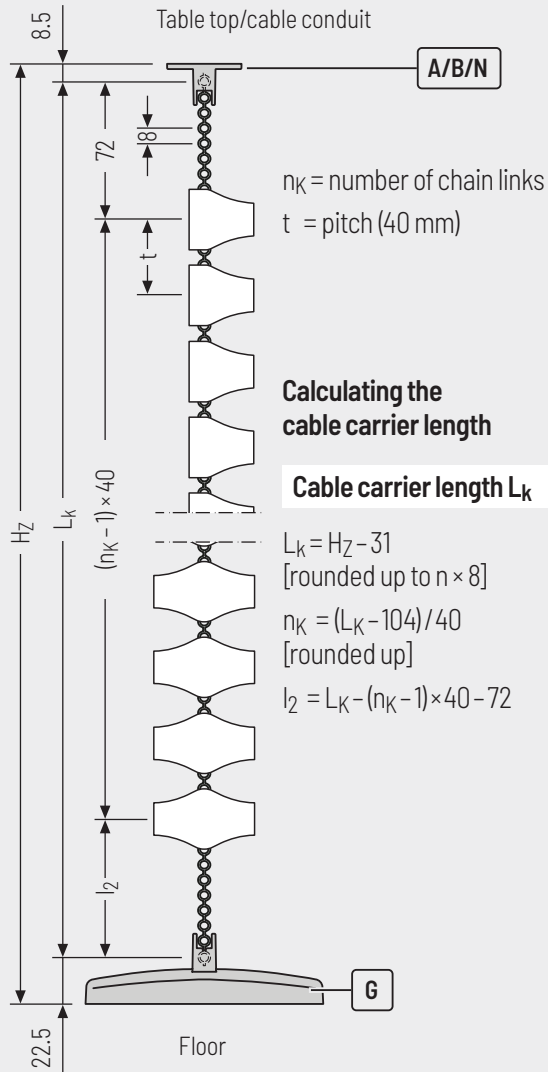
TKA
series

UAT
series

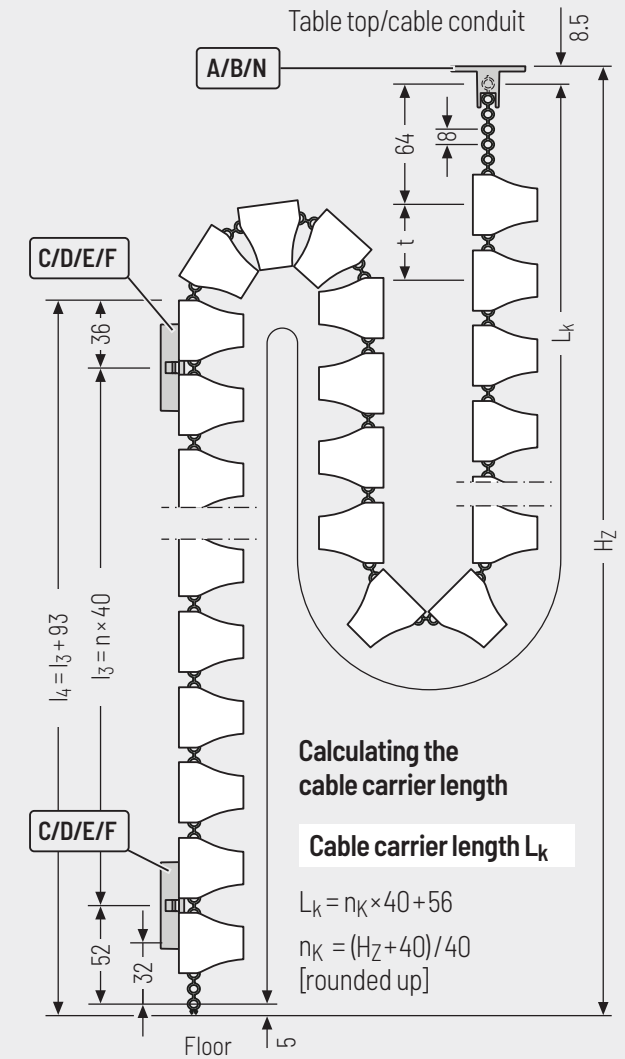
Combination options for end connectors

Depending on the design of your office furniture, different combination options are possible for the end connectors. They can be attached underneath table tops/cable conduits, to round or square table legs or to the floor.

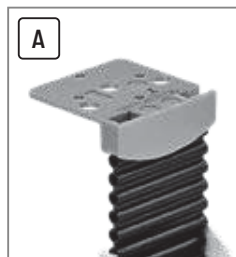
Combination options for tables without height adjustment



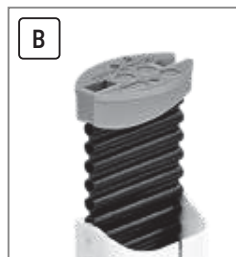
Combination options for tables with height adjustment (only one-sided variant)



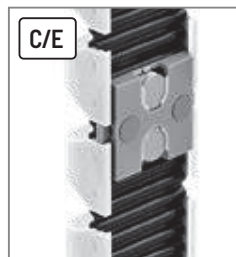
End connectors



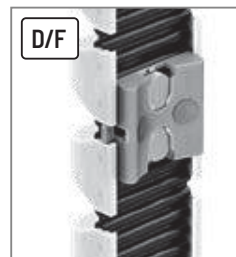
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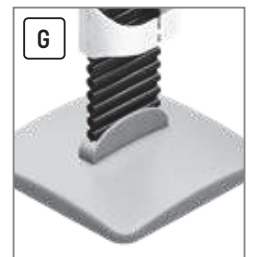
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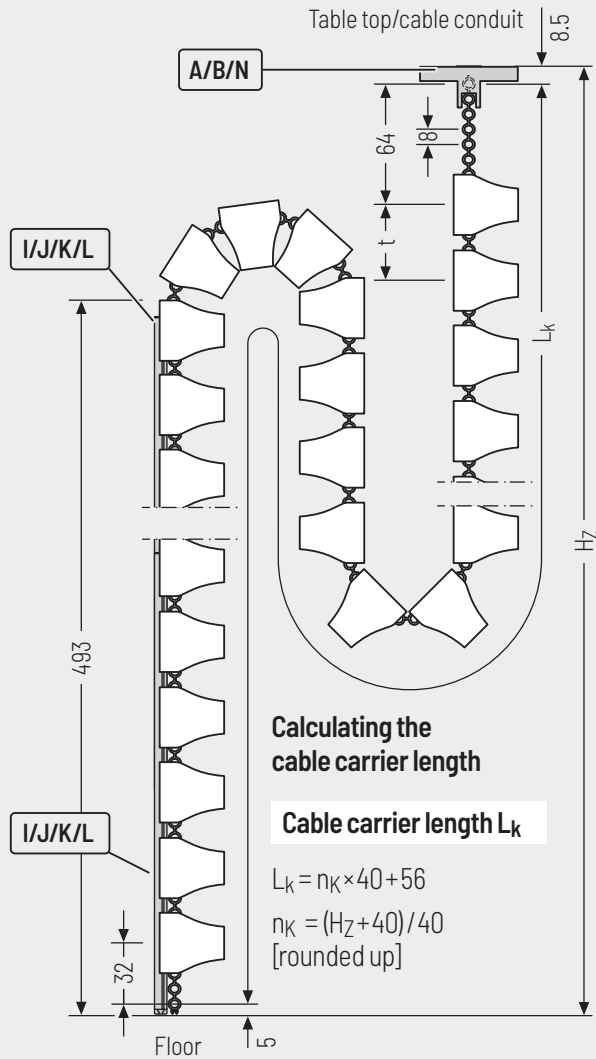
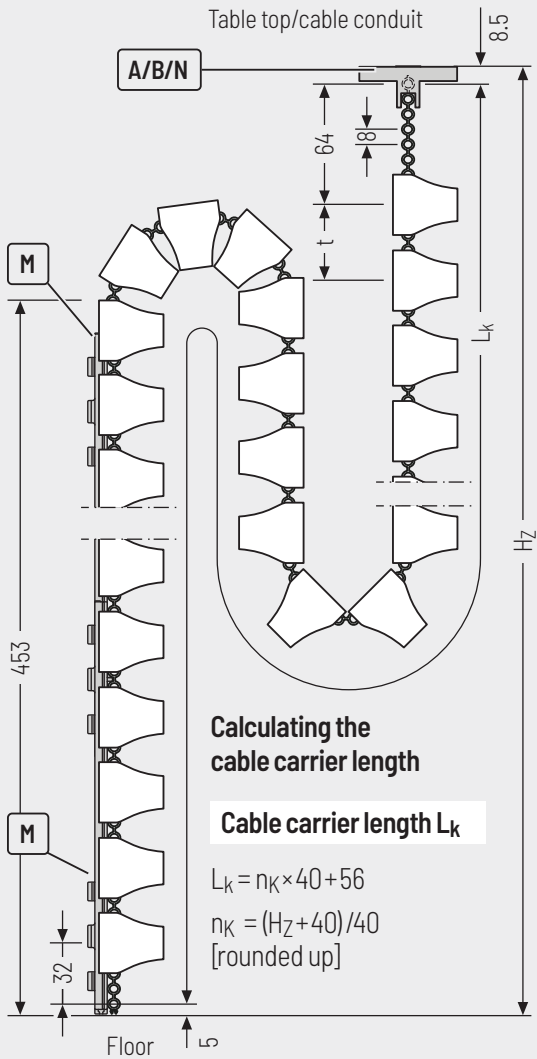
Page 296

 All connections and cable carriers can be combined with each other and are available in the colour variants silver-grey, black and white.

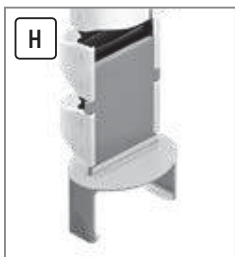
Combination options for end connectors

Depending on the design of your office furniture, different combination options are possible for the end connectors. They can be attached underneath table tops/cable conduits, to round or square table legs or to the floor.

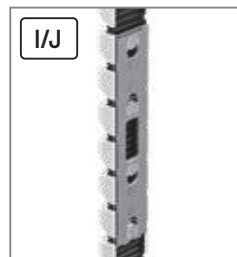
Combination options for tables with height adjustment (only one-sided variant)



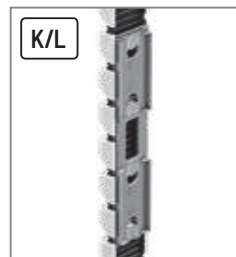
End connectors



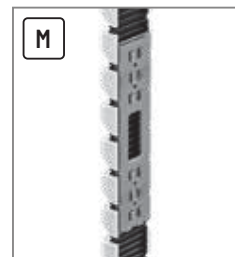
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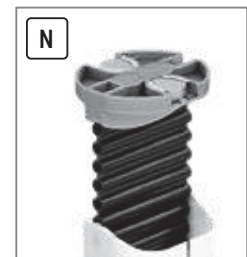
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Page 300

Subject to change without notice.

 All connections and cable carriers can be combined with each other and are available in the colour variants silver-grey, black and white.

PROTUM® series

K series

UNIFLEX Advanced series

M series

TKHD series

XL series

QUANTUM® series

TKR series

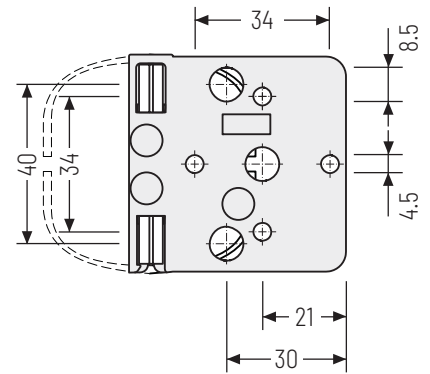
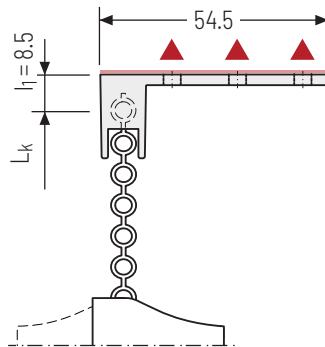
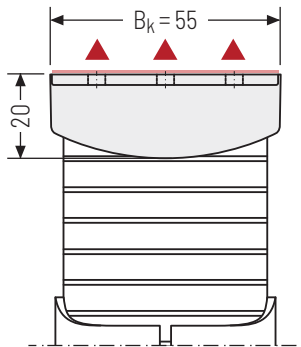
TKA series

UAT series

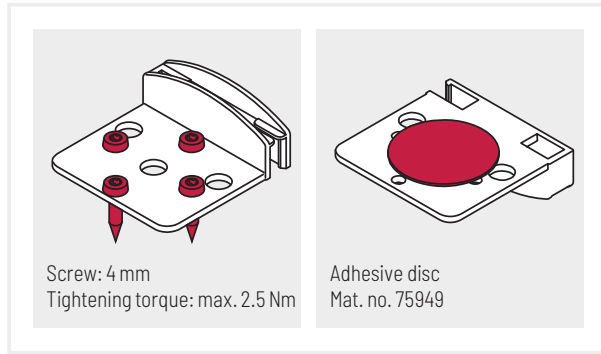
Connection A – angled for table top

Table connection for screw-fixing the cable routing underneath the table top or on a cable conduit.

▲ Installation options



Fixing variant



Color variants

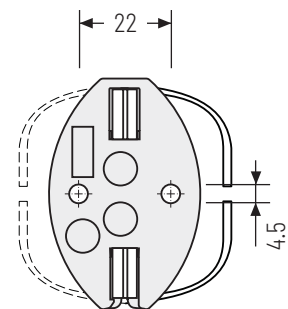
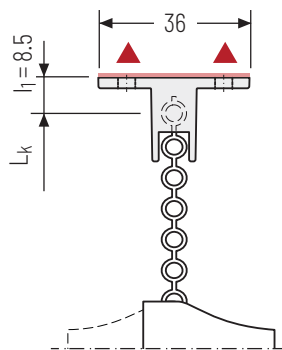
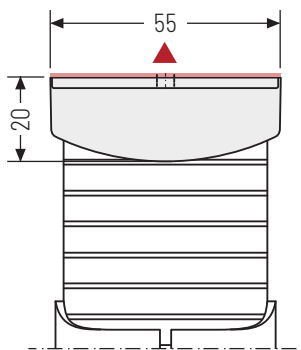
- Black
Mat. no. 75739*
- White
Mat. no. 75884*
- Silver-gray
Mat. no. 75876*

*SU = 50 pieces

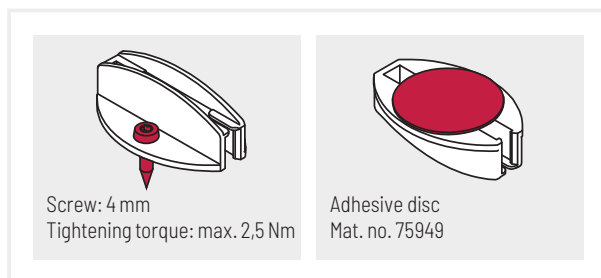
Connection B – oval for table top

Table connection for screw-fixing the cable routing underneath the table top or on a cable conduit.

▲ Installation options



Fixing variant



Color variants

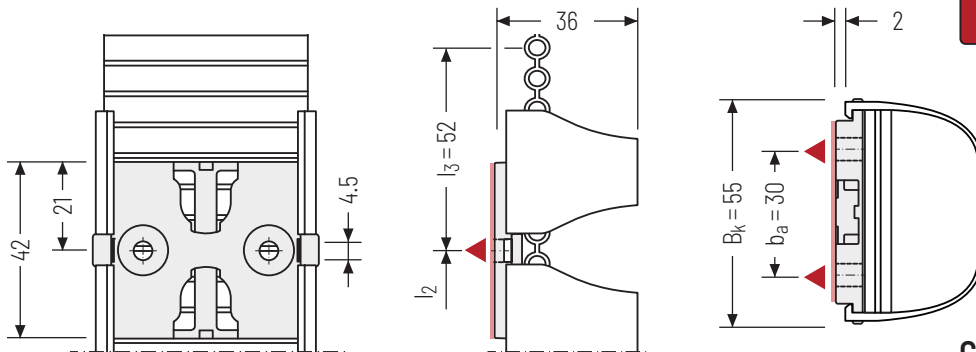
- Black
Mat. no. 75740*
- White
Mat. no. 75885*
- Silver-gray
Mat. no. 75877*

*SU = 50 pieces

 Also available as magnetic version (Connector N) see p. 284

Connection C/E – for flat table frame

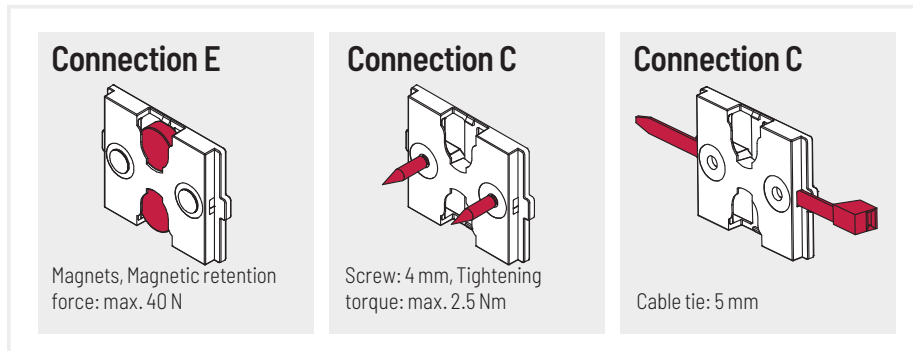
Connection for installing the cable routing on a square table frame. Fixing with integrated magnets, screws or cable ties.



▲ Installation options

i Self-adhesive counterholder available for non-magnetic surfaces!

Fixing variants



Color variants

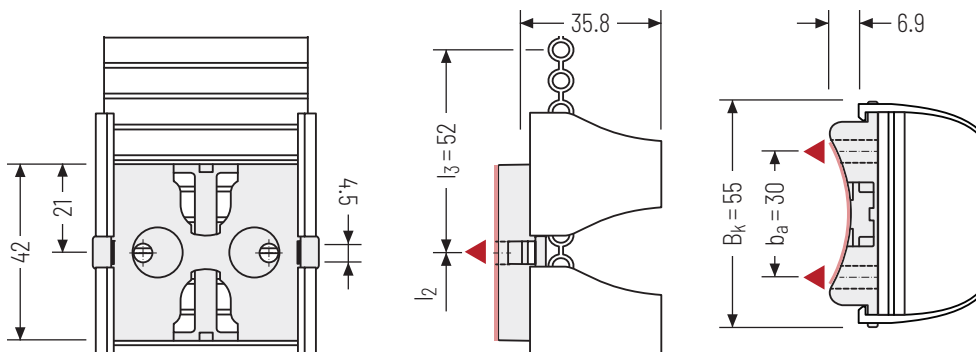
- Black
(E) Mat. no. 75741*
(C) Mat. no. 75742*
- White
(E) Mat. no. 75886*
(C) Mat. no. 75887*
- Silver-gray
(E) Mat. no. 75878*
(C) Mat. no. 75879*

*SU=50 pieces

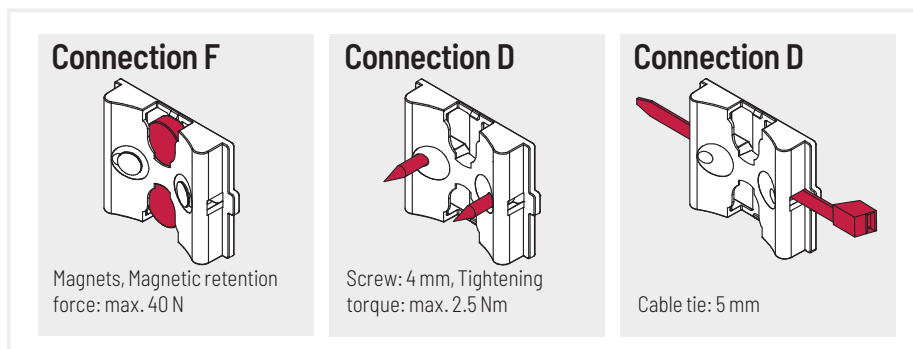
Connection D/F – for round table frame

Connection for installing the cable routing on a table frame with 70 mm diameter. Fixing with integrated magnets, screws or cable ties.

▲ Installation options



Fixing variants



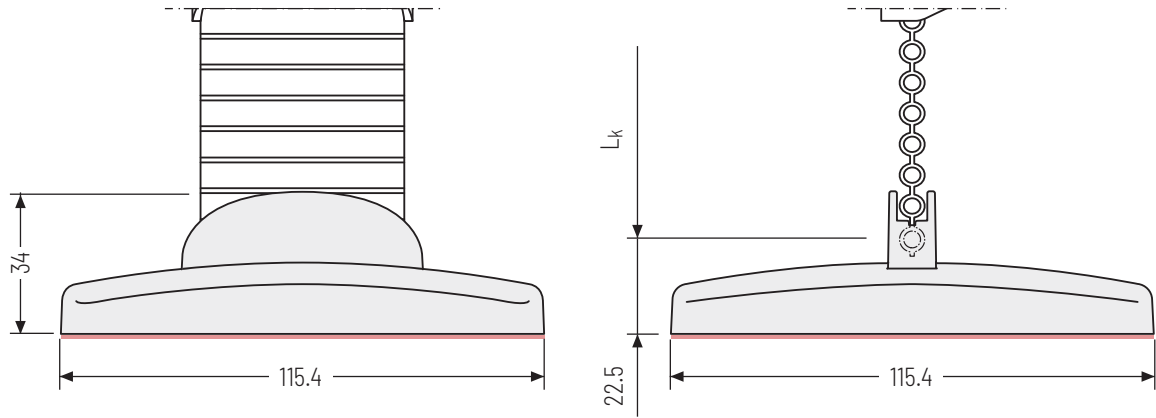
Color variants

- Black
(F) Mat. no. 75744*
(D) Mat. no. 75743*
- White
(F) Mat. no. 75888*
(D) Mat. no. 75889*
- Silver-gray
(F) Mat. no. 75880*
(D) Mat. no. 75881*

*SU=50 pieces

Connection G - floor connection

Floor connection for a clean transition of the cable routing to the floor. Individual colors and designs on request.

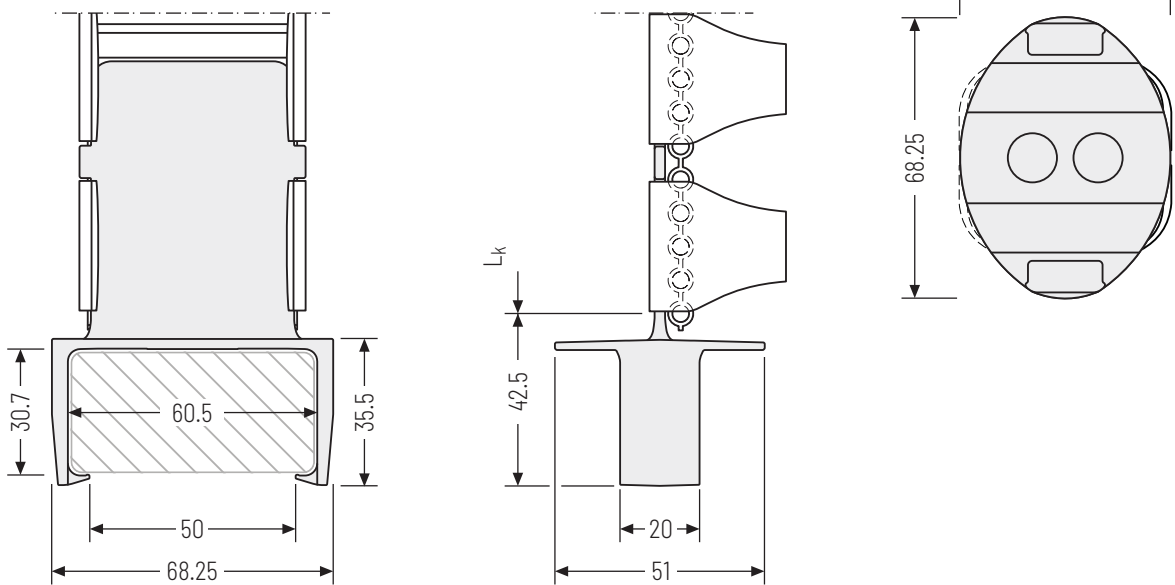


Color variants

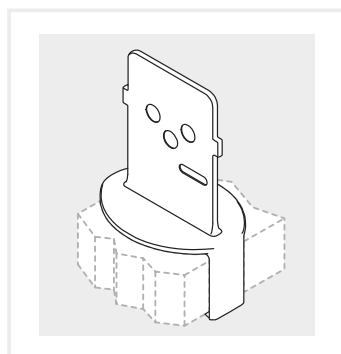
- Black
Mat. no. 75745*
 - White
Mat. no. 75890*
 - Silver-gray
Mat. no. 75882*
- *SU = 50 pieces

Connection H - for table base

Connection for installing the cable routing on a table base. Fixing by clipping.



Fixing variant



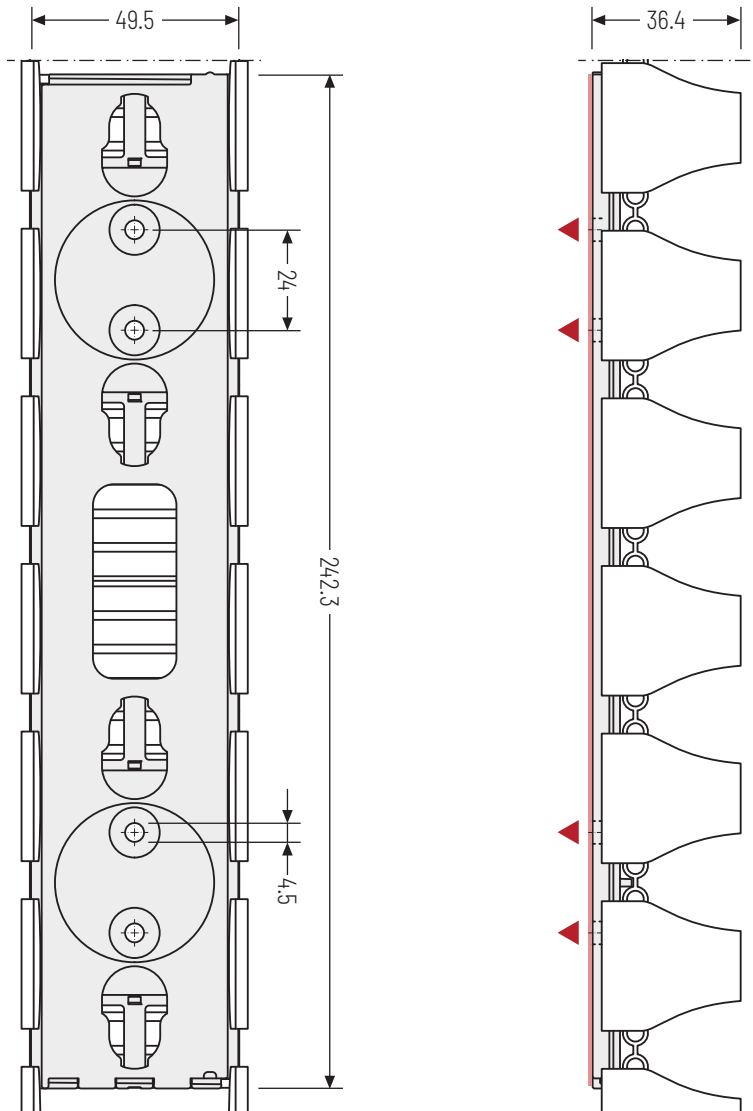
Color variants

- Black
Mat. no. 75992*
- White
Mat. no. 75994*
- Silver-gray
Mat. no. 75993*

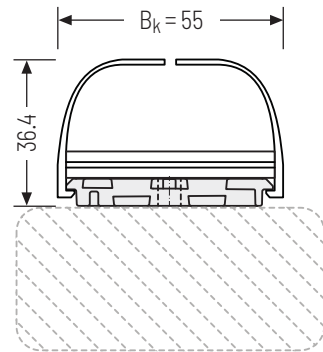
*SU = 50 pieces

Connection I/J – for flat table frame

Connection for installing the cable routing on a square table frame.
Fixing with integrated magnets or screws.



▲ Installation options



i Self-adhesive counterholder available for non-magnetic surfaces!

Color variants

- Black
(I) Mat. no. 75940*
(J) Mat. no. 75634*
- White
(I) Mat. no. 75941*
(J) Mat. no. 75635*
- Silver-gray
(I) Mat. no. 75942*
(J) Mat. no. 75636*

*SU = 50 pieces

Fixing variants

<p>Connection I</p> <p>Up to 4 magnets, Magnetic retention force: min. 60 N</p>	<p>Connection J</p> <p>Up to 4 Screws: 4 mm Tightening torque: max. 2,5 Nm</p>	<p>Connection J</p> <p>For slot nut M4 Cylinder screw: DIN 9612 M4 Washer: DIN 125</p>	<p>Connection J</p> <p>Adhesive disc Mat. no. 75949</p>
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Subject to change without notice.

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

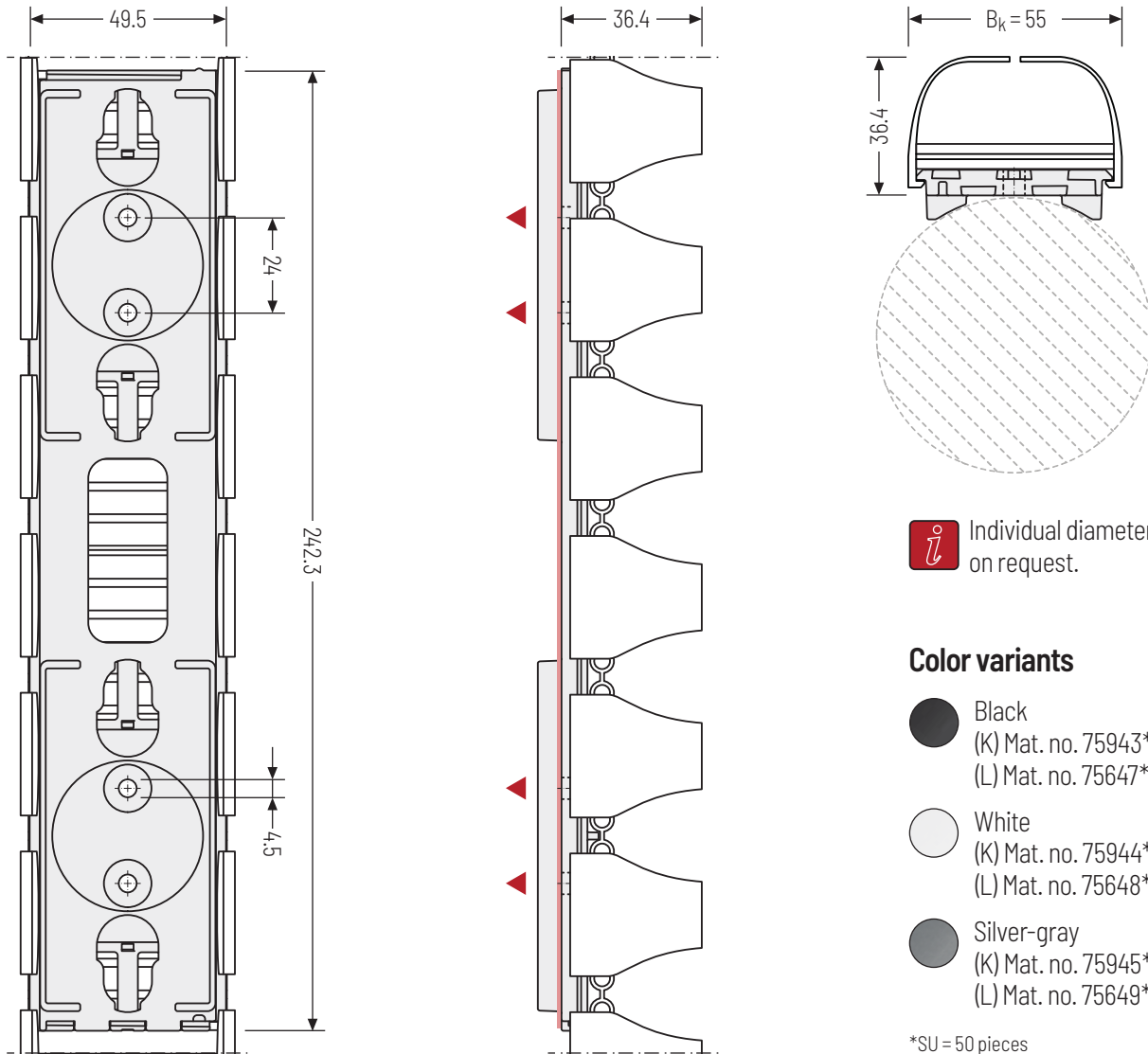
TKA series

UAT series

Connection K/L – for round table frame

Connection for installing the cable routing on a table frame with 70 mm diameter. Fixing with integrated magnets or screws.

▲ Installation options



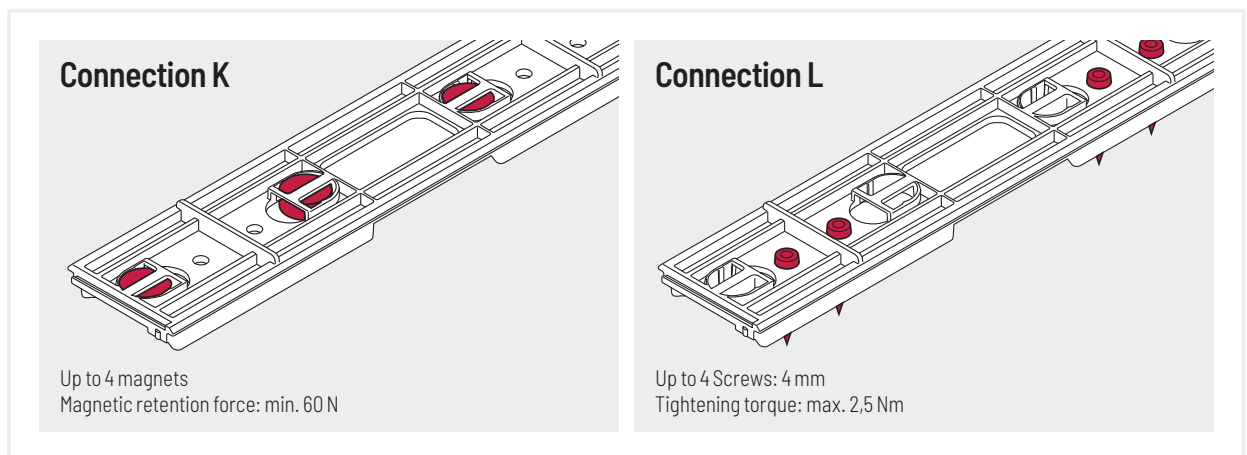
i Individual diameters on request.

Color variants

- Black
(K) Mat. no. 75943*
(L) Mat. no. 75647*
- White
(K) Mat. no. 75944*
(L) Mat. no. 75648*
- Silver-gray
(K) Mat. no. 75945*
(L) Mat. no. 75649*

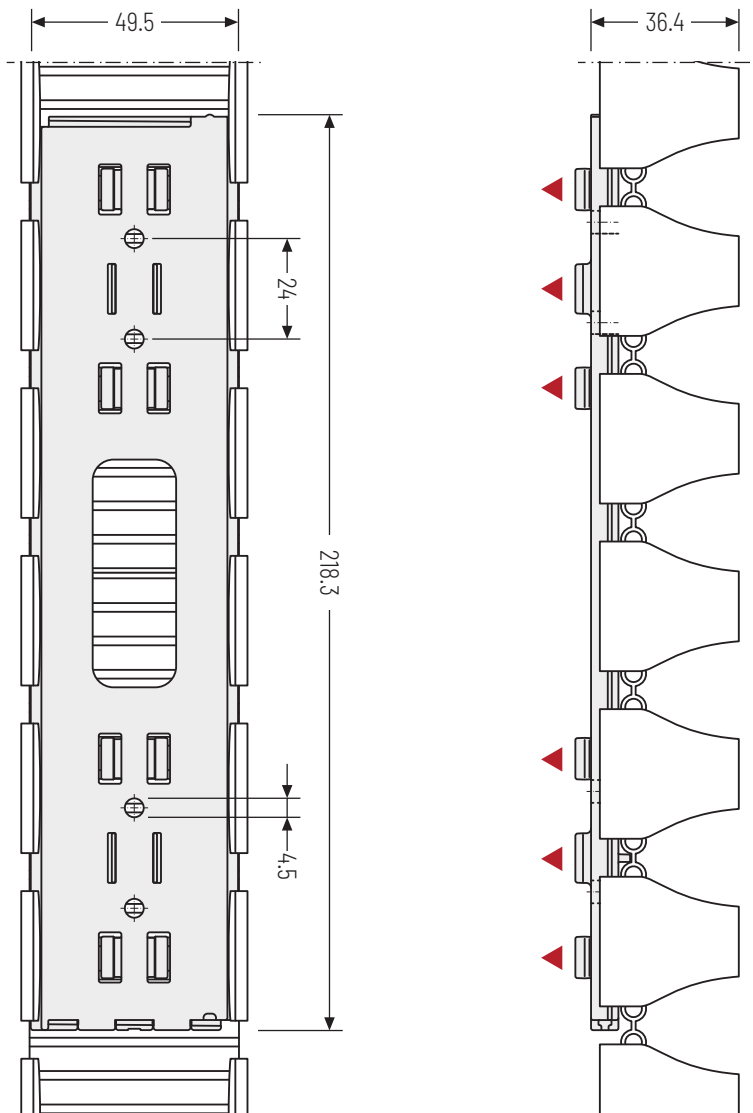
*SU = 50 pieces

Fixing variants

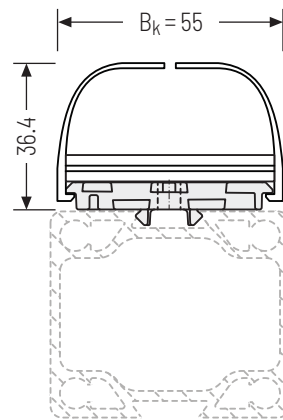


Connection M – for profiles flat

Connection for installing the cable routing on aluminum profiles rectangular.
Fixing via integrated clip.



▲ Installation options



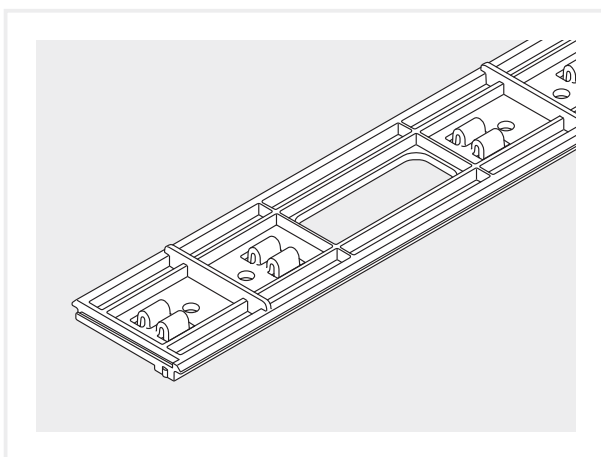
i Individual profile cross-section on request.

Color variants

- Black
Mat. no. 75937*
- White
Mat. no. 75938*
- Silver-gray
Mat. no. 75939*

*SU = 50 pieces

Fixing variant



i The assembly depends on the shape of the aluminum profile. Please contact us - we are happy to advise you

Subject to change without notice.

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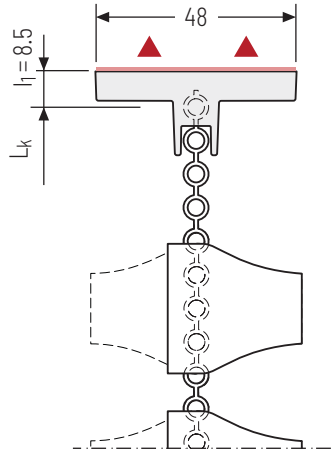
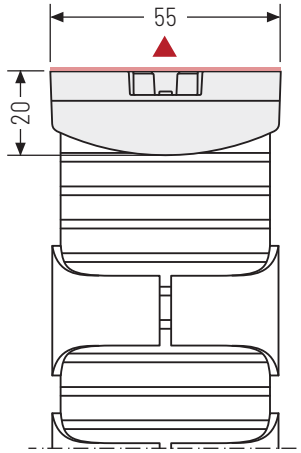
TKR
series

TKA
series

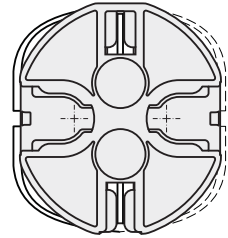
UAT
series


Connection N – oval for table top

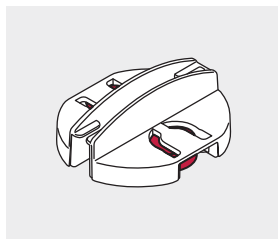
Table connection for installing the cable routing underneath the table top or on a cable conduit via integrated magnets.



▲ Installation options






 Self-adhesive counterholder available for non-magnetic surfaces!

Fixing variant

Magnets
Magnetic retention
force:
max. 35 N

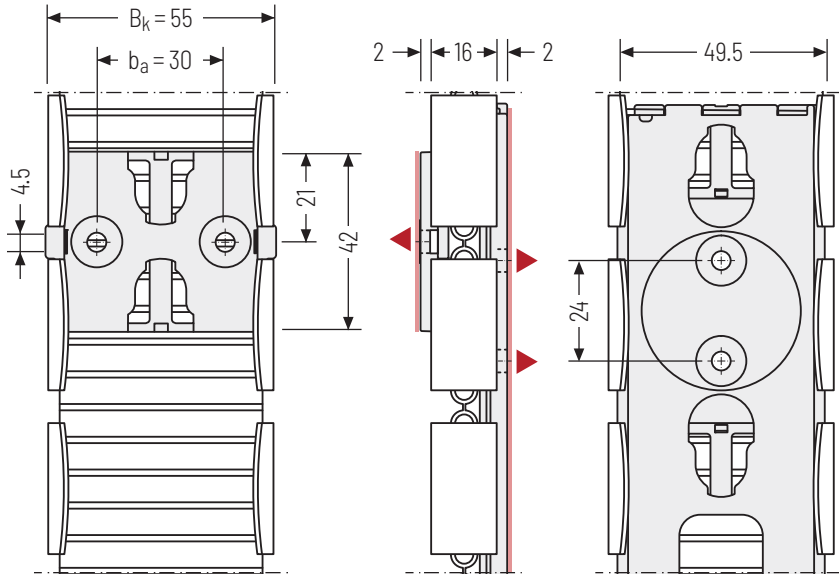
Color variants

-  Black
Mat. no. 75937*
-  White
Mat. no. 75938*
-  Silver-gray
Mat. no. 75939*


*SU = 50 pieces

Side parts „Clip“ – Fixing kit for connection on both sides

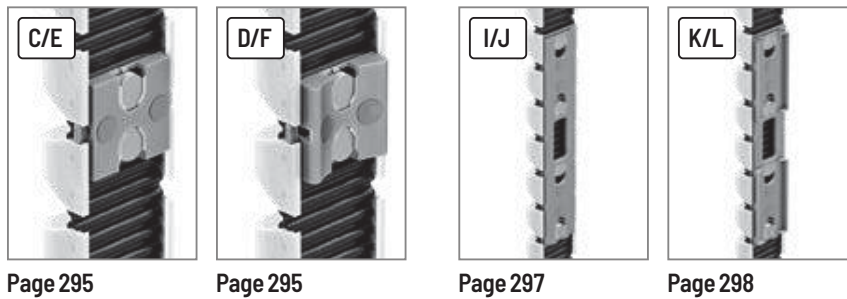
Connection for installing the cable routing and attachments such as connector strips, adapters and much more. Fixing with integrated magnets or screws.






▲ Installation options

 Self-adhesive counterholder available for non-magnetic surfaces!

The fixing kit includes the belt and the side parts "Clip" for a length of 480 mm. The side parts "Clip" can be combined with the following connectors:



Color variants

-  Black
Mat. no. 75812*
-  White
Mat. no. 75814*
-  Silver-gray
Mat. no. 75813*

* Length: 480 mm



Subject to change without notice.



Order

Standard sets for height-adjustable tables (standing/seated work stations) up to 740 mm lifting height

		Color	Order no. Set
	Standard set Protum Office P0400GS01 for standing/seated work station for one-sided cable laying , total length 1350 mm incl. 1 connection B and 2 connections F for installation underneath a table top and on a round table frame (D=70 mm)	Black	75968
		White	75970
		Silver-gray	75969
		Black/Silver-gray	75971
	Standard set Protum Office P0400GS01 for standing/seated work station for one-sided cable laying , total length 1350 mm incl. 1 connection B and 2 connections E for installation underneath a table top and on a flat table frame	Black	75964
		White	75966
		Silver-gray	75965
		Black/Silver-gray	75967

Standard sets for non-height adjustable tables (standard work stations)

		Color	Order no. Set
	Standard set Protum Office P0400GS02 for standard work station for double-sided cable laying , total length 815 mm incl. 1 connection B and 1 connection G for installation underneath a table top and the floor transition	Black	75960
		White	75962
		Silver-gray	75961
		Black/Silver-gray	75963
	Standard set Protum Office P0400GS01 for standard work station for one-sided cable laying , total length 815 mm incl. 1 connection B and 1 connection G for installation underneath a table top and the floor transition	Black	75956
		White	75958
		Silver-gray	75957
		Black/Silver-gray	75959

All sets are delivered packaged in a box including fixing materials and installation instructions. The order number applies for 1 set / 1 sales unit (SU) = 50 sets. Individual sets only for bulk buyers on request.

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