



BASIC-LINE^{PLUS}

Solid plastic cable carrier with fixed chain widths

- Fast cable laying by simply pulling/pressing the cables in
- Ideal for short travel paths and high travel speeds



EasyTrax

Extremely quick cable laying thanks to flexible lamella crossbars

page 126



PROTUM

Small, light cable carrier for unsupported applications

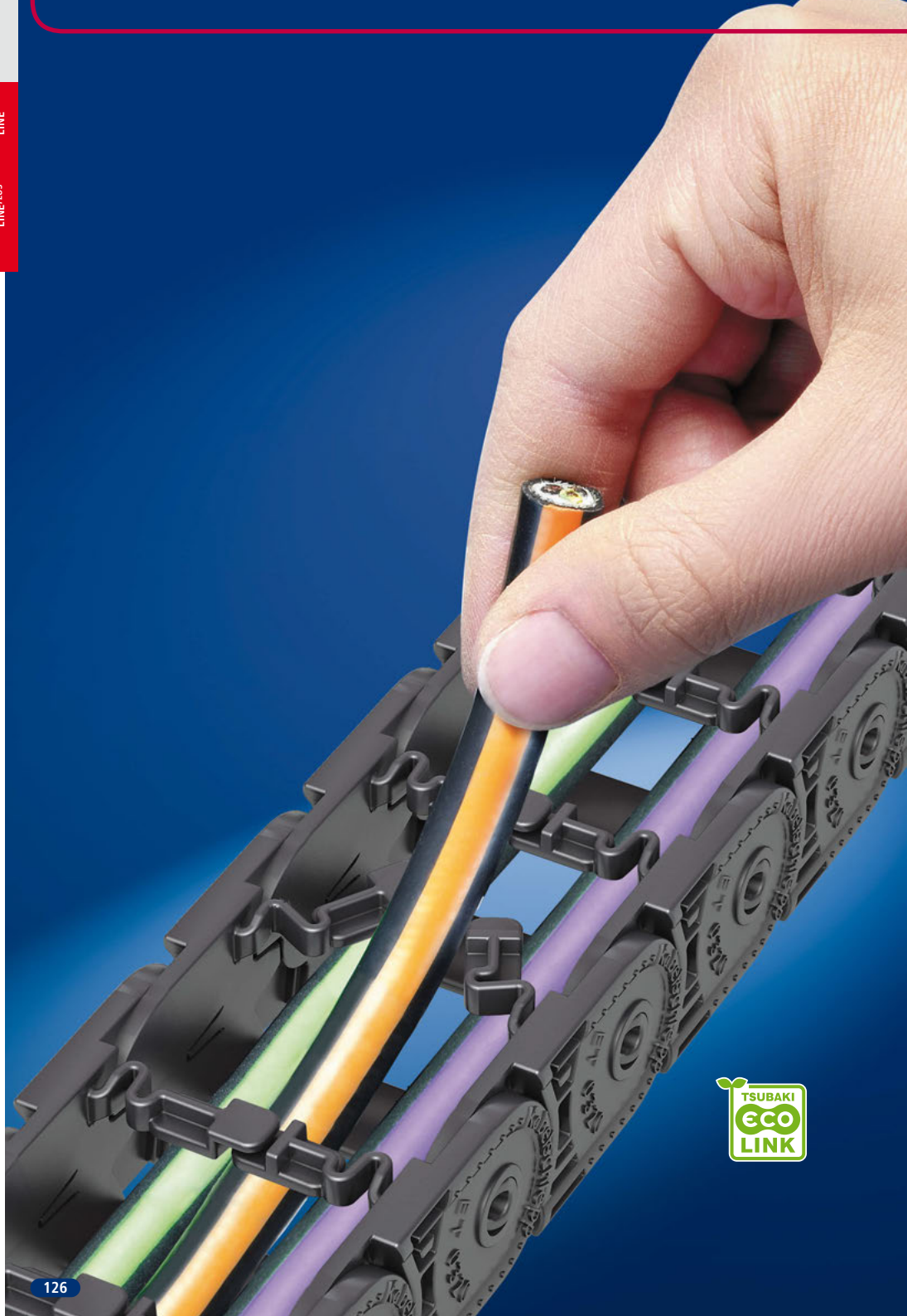
page 136



TKZP

Low-wear design made from extruded profiles

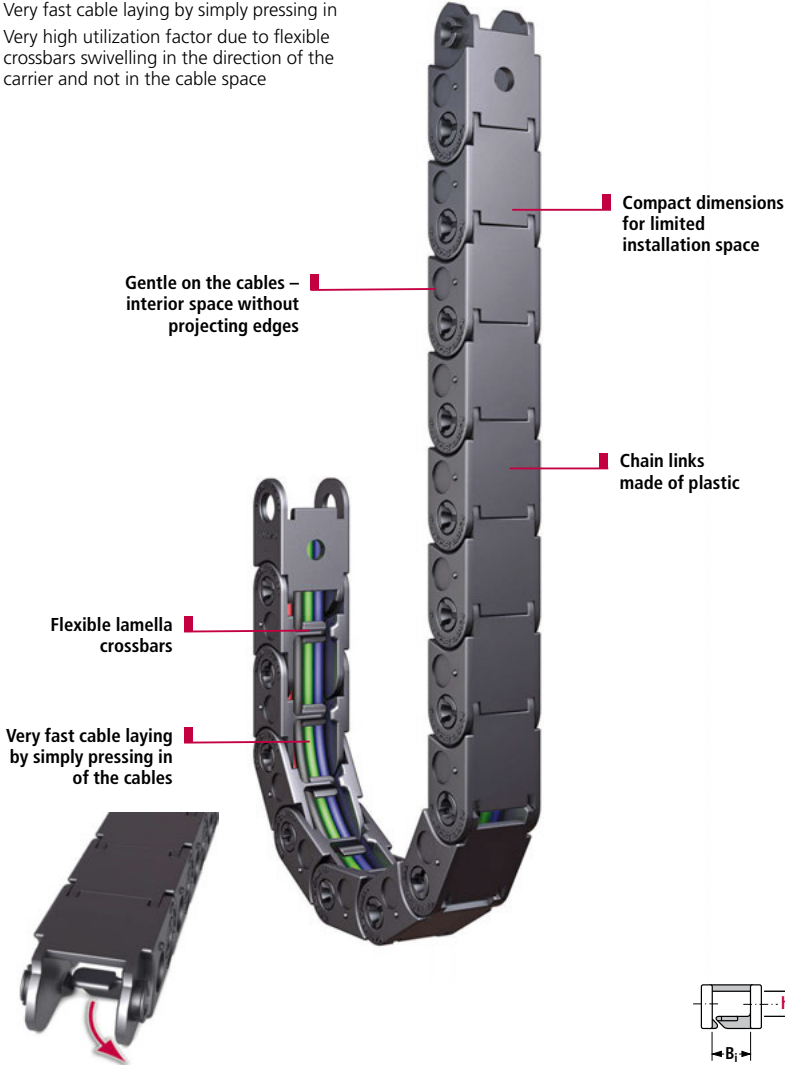
page 142



EasyTrax 0115

Extremely quick cable laying thanks to flexible lamella crossbars

- Very fast cable laying by simply pressing in
- Very high utilization factor due to flexible crossbars swivelling in the direction of the carrier and not in the cable space



EasyTrax
0115

Selection

BASIC
LINE

Inside height



Inside width



BASIC
LINEPLUS

kabelschlepp.de

Font:
+49 2762 4003-0

OnlineEngineer.de
TSUBAKI KABELSCHLEPP
Cable Carrier Configuration

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	
ET 0115.040	4.6	7	10	3	10	128

Dimensions in mm

127

Type ET 0115

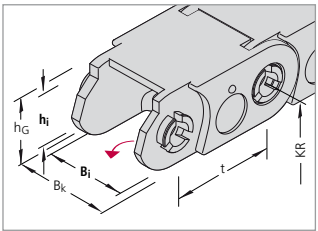
Design 040

Inside: Simple pressing in of the cables

Inside height



Inside widths



Dimensions and intrinsic chain weight

Type	h_i	h_G	Inside widths B_i Intrinsic chain weight	B_k
ET 0115	4.6	8.0	7 0.044	$B_i + 4$

Dimensions in mm/Weights in kg/m

Bend radius and pitch

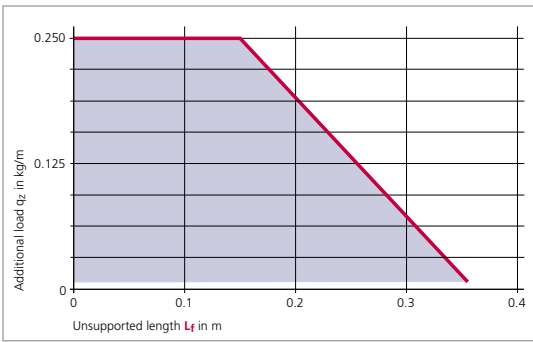
Bend radii KR mm
10

Pitch $t = 11.5$ mm

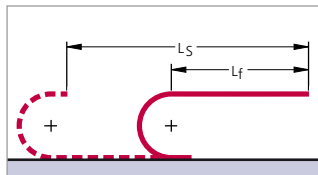
kabelschlepp.de

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.

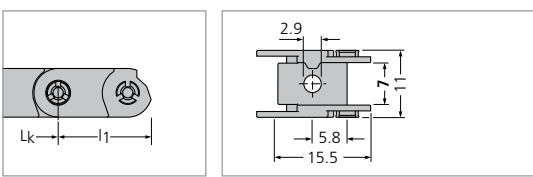
In a gliding arrangement, even longer travel lengths are possible (see page 375).

We are at your service to advise on these applications.

Fon: +49 2762 4003-0

Connection dimensions

Plastic connectors



Example of ordering

Cable carrier

ET 0115	040	7	10	230
Type	Design	Inside width B_i in mm	Bend radius KR in mm	Chain length L_k in mm (without connection)

Use our free project planning service.

EasyTrax 0320

Extremely quick cable laying, extra-stable thanks to two-component technology

- Very fast cable laying by simply pressing in the cables
- Very high utilization factor due to flexible crossbars swivelling in the direction of the carrier and not in the cable space
- Stable chain construction
- Extensive unsupported length
- High torsional rigidity
- Very quiet thanks to integrated noise damping system

Chain links made of plastic

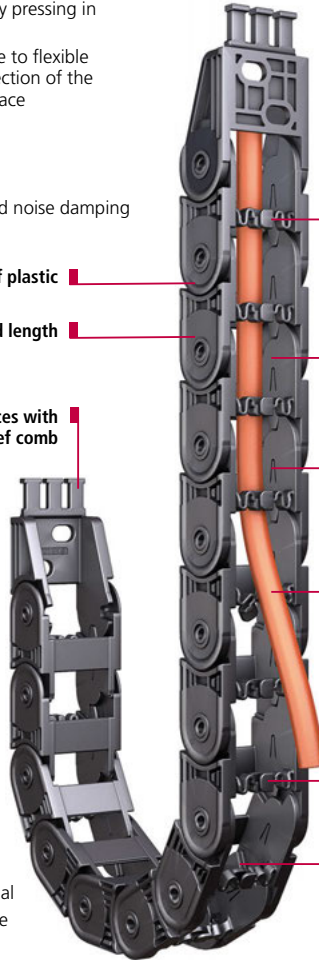
Extensive unsupported length

Connecting pieces with integrated strain relief comb



Every chain link is made of two different materials:

- Hard cable carrier body made of fiberglass-reinforced material
- Flexible lamella crossbars made of flexible special plastic



Intelligent 2-shot-design: hard cable carrier body, flexible lamella crossbars

Gentle on the cables – interior space without projecting edges

Very quiet thanks to internal noise damping system

Very fast cable laying by simply pressing in of the cables

Designs with inward or outward opening crossbars

Dividers for cable separation



Quick and easy cable laying



Very high utilization factor



High side stability



Divider systems for reliable cable separation

EasyTrax
0320

Selection
BASIC
LINE
LINEPLUS

Inside height



Inside widths



kabelschlepp.de

Fon: +49 2762 4003-0

OnlineEngineer.de
KABELSCHLEPP
Cable Carrier Configurator

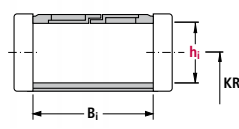
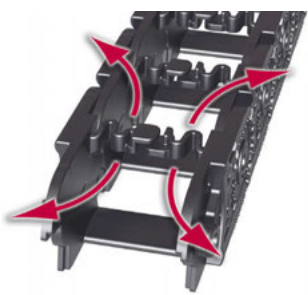
Overview EasyTrax

Design 030:
Cables can be laid easily in the outer radius

Inside height



Inside widths



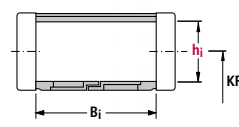
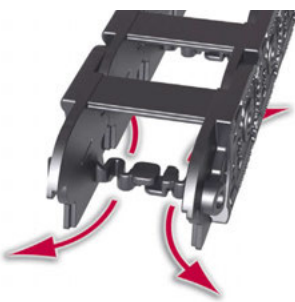
kabelschlepp.de

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	
ET 0320.030	18	15-50	80	10	50	132

Dimensions in mm

Design 040:
Cables can be laid easily in the inner radius

Fon: +49 2762 4003-0

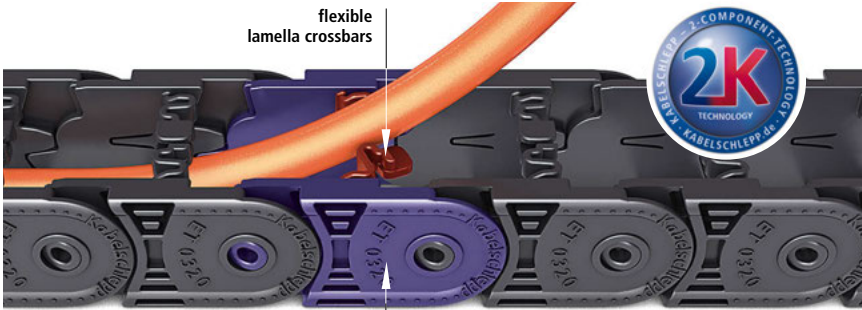


Type	h_i	B_i	Maximum travel length in m	Dynamics of unsupported arrangement		Page
				Travel speed v_{max} in m/s	Travel acceleration a_{max} in m/s ²	
ET 0320.040	18	15-50	80	10	50	132

Dimensions in mm

Use our free project planning service.

The 2-shot-technology of EasyTrax 0320



flexible
lamella crossbars



Inside height



Inside widths

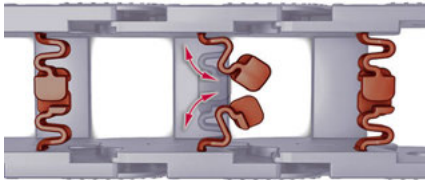


Flexible lamella crossbar – simple pressing in of the cables



hard chain link of fiberglass reinforced material

Fiberglass reinforced chain link – high stability



High flexibility, high utilization factor – very quick cable laying thanks to simple pressing in of the cables.

The elastic material of the lamella crossbar significantly shortens the assembly times. The cable carrier is laid **simply by pressing the cables in**. The defined swivel direction in the direction of the cable allows a significantly **higher utilization factor** than in systems where cables are inserted into the cable space from above. The new crossbar design also allows the use of dividers for cable separation.

High stability – long unsupported lengths thanks to fiberglass-reinforced material.

The use of fiberglass reinforced special plastic in the supporting area of the cable carrier makes it possible to nearly double the **unsupported length** compared to designs manufactured entirely from non-reinforced materials.

EasyTrax – long unsupported lengths.



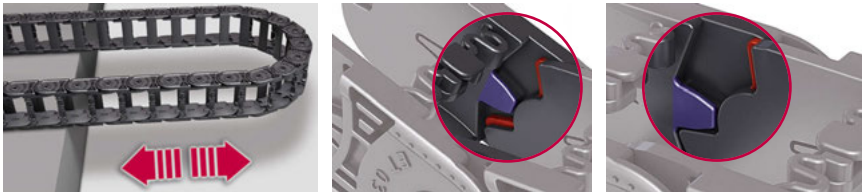
Designs completely made of non-reinforced material – long unsupported lengths can only be implemented with sag.



- EasyTrax – very high utilization factor. Crossbar can be swiveled in the direction of the cable.
- Unfavorable swivel direction of the crossbars in the cable space – cables already laid jam the crossbars.

Even greater side stability through locking in the stroke system

The stops are locked in the bend radius stop and pretension stop. This prevents snapping out in these areas and achieves very high lateral stability.



kabelschlepp.de

Fon: +49 2762 4003-0

OnlineEngineer.de
KABELSCHLEPP
Cable Carrier Configuration

Type ET 0320

Inside height

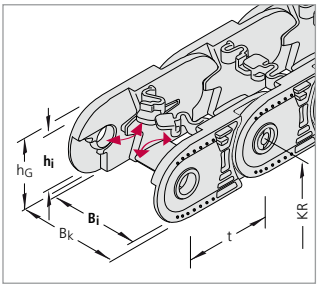


Inside widths



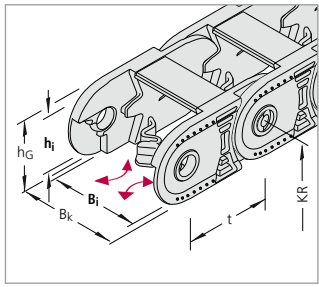
Design 030

Outside: Simple pressing in of the cables



Design 040

Inside: Simple pressing in of the cables



kabelschlepp.de

Dimensions and intrinsic chain weight

Type	h _i	h _G	Inside widths B _i				B _k
			Intrinsic chain weight				
ET 0320	18	25.5	15*	25	38	50	B _i + 12
			0.18	0.27	0.41	0.54	

* on request

Dimensions in mm/Weights in kg/m

Bend radius and pitch

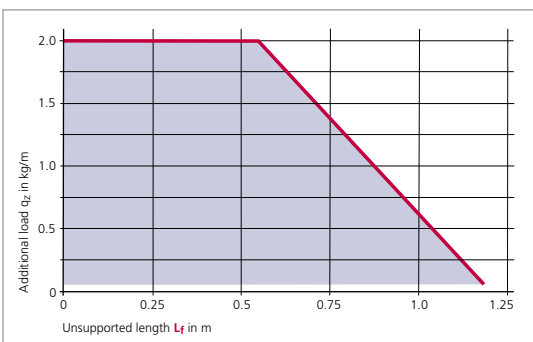
Bend radii KR mm					
28	38	48	75	100	125*

Pitch t = 32.0 mm

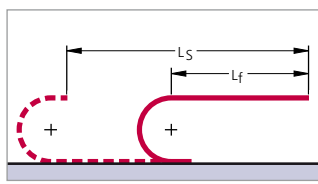
* on request

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
ET 0320	030	38	48	640	TS 0 / 1	FA/MA
Type	Design	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.

Fon: +49 2762 4003-0

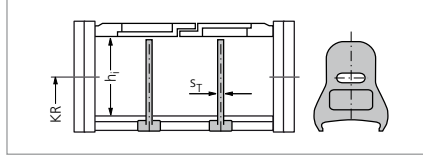
Use our free project planning service.

Type ET 0320

Divider system TS 0

Type	h_i mm	S_T mm
ET 0320	18	2

The dividers can be moved in the cross section.



In the standard version, the divider systems are mounted on every second chain link.



Subject to change.

EasyTrax
0320

Selection

BASIC
LINE

BASIC
LINEPLUS

Inside height

18

Inside widths

15
50

kabelschlepp.de

Font:
+49 2762 4003-0

OnlineEngineer.de
TSUBAKI KABELSCHLEPP
Cable Center Configuration

Inside height

18

Inside widths

15
50

kabelschlepp.de

Fon:

+49 2762 4003-0

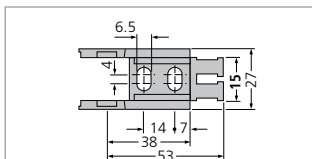
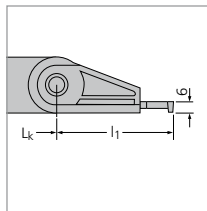
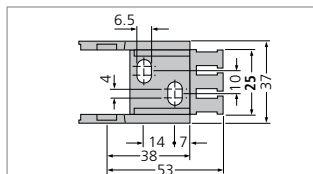
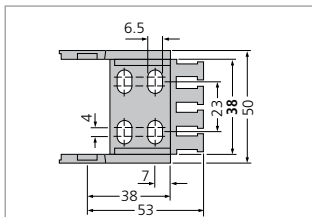
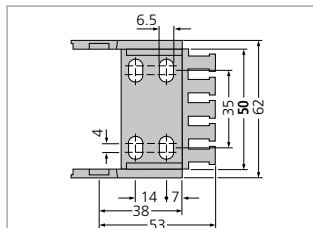
Use our free
project planning service.

134

Type ET 0320

Connection dimensions

Plastic connectors with integrated strain relief

For chain width $B_i = 15$ mmFor chain width $B_i = 25$ mmFor chain width $B_i = 38$ mmFor chain width $B_i = 50$ mm

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

Type	B_i	B_k	n_z
ET 0320.15	15	27	2
ET 0320.25	25	37	3
ET 0320.38	38	50	4
ET 0320.50	50	62	5

Dimensions in mm

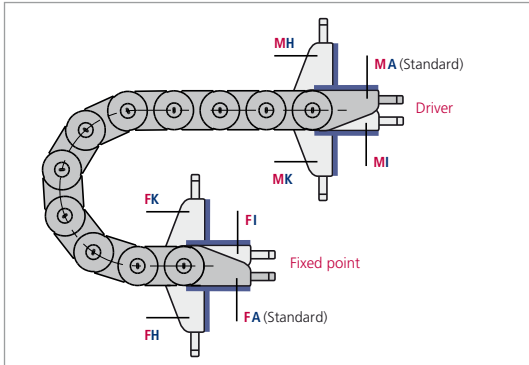


Mounting brackets
without a strain relief
comb are also available –
please contact us.



Type ET 0320

Connection variants



In the standard version, the connectors are mounted with the threaded joint outwards (**FA/MA**).

When ordering please specify the desired connection type (see ordering key on page 417).

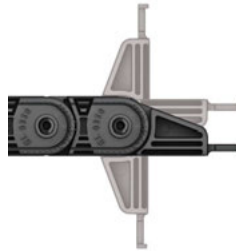
The connection type can subsequently be altered simply by varying the connectors.

Connection point

- M** – Driver
- F** – Fixed point

Connection type

- A** – Threaded joint outside (standard)
- I** – Threaded joint inside
- H** – Threaded joint, rotated through 90° to the outside
- K** – Threaded joint, rotated through 90° to the inside



Inside height



Inside widths

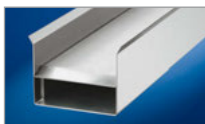


kabelschlepp.de

Font:
+49 2762 4003-0

OnlineEngineer.de
The online engineer
for cable carrier configuration

Guide channels
▶ from page 375



Strain relief devices
▶ from page 381



Cables for cable carrier systems
▶ from page 438

