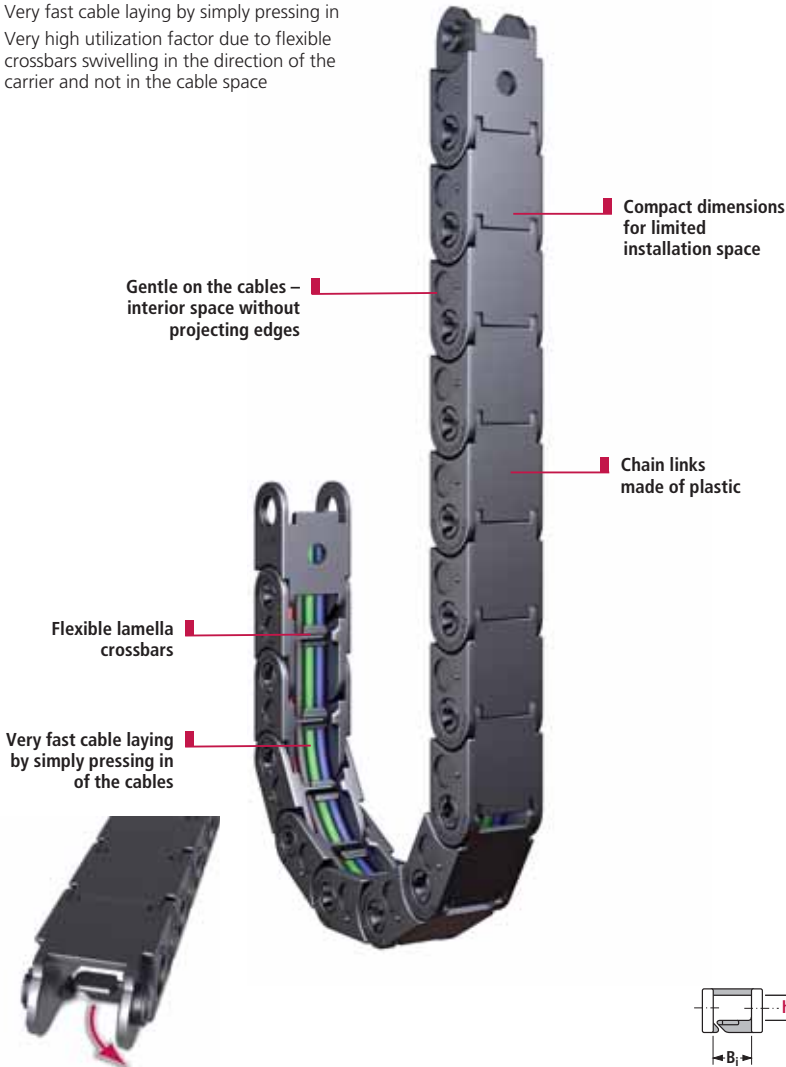


# EasyTrax 0115

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



Inside height

4.6

Inside widths

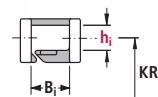
7

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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>	
ET 0115.040	4.6	7	10	3	10	110

Dimensions in mm

# Type ET 0115

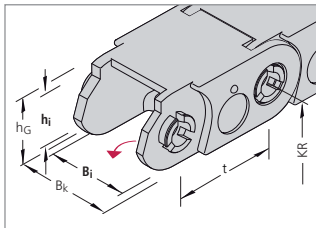
## Design 040

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

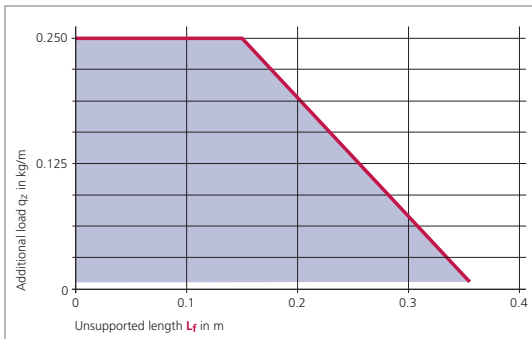
## Bend radius and pitch

Bend radii KR mm
10

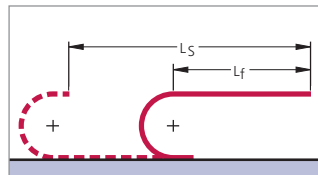
Pitch  $t = 11.5$  mm

## Load diagram

for unsupported length  $L_f$  depending on the additional load



## Unsupported length $L_f$



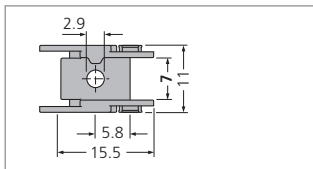
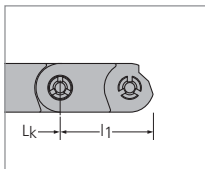
In the case of longer travel lengths, sag of the cable carriers is technically permissible depending on the application.

In a gliding arrangement, even longer travel lengths are possible (see page 305).

We are at your service to advise on these applications.

## 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)

# 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

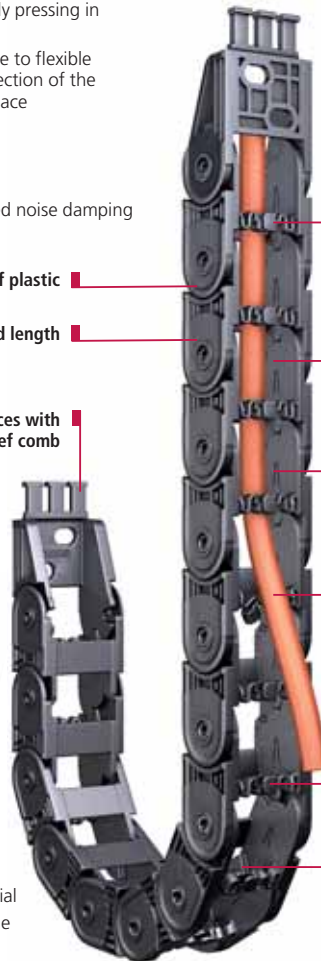
Extensive unsupported length

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

Inside height



Inside widths



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Quick and easy cable laying



Very high utilization factor



High side stability



Divider systems for reliable cable separation

Inside height

18

Inside widths

15  
50

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Font:

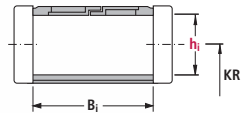
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Overview EasyTrax

Design 030:

Cables can be laid easily in the outer radius

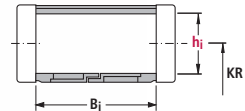


Type	h <sub>i</sub>	B <sub>i</sub>	Maximum travel length in m	Dynamics of unsupported arrangement		Page
				Travel speed v <sub>max</sub> in m/s	Travel acceleration a <sub>max</sub> in m/s²	
ET 0320.030	18	15-50	80	10	50	114

Dimensions in mm

Design 040:

Cables can be laid easily in the inner radius



Type	h <sub>i</sub>	B <sub>i</sub>	Maximum travel length in m	Dynamics of unsupported arrangement		Page
				Travel speed v <sub>max</sub> in m/s	Travel acceleration a <sub>max</sub> in m/s²	
ET 0320.040	18	15-50	80	10	50	114

Dimensions in mm

Inside height

18

Inside widths

15  
50

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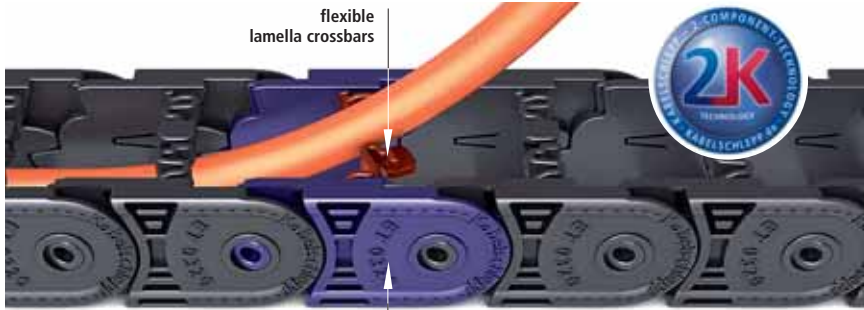
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113

## The 2-shot-technology of EasyTrax 0320



flexible  
lamella crossbars

hard chain link of  
fiberglass reinforced material

Flexible lamella crossbar –  
simple pressing in of the cables

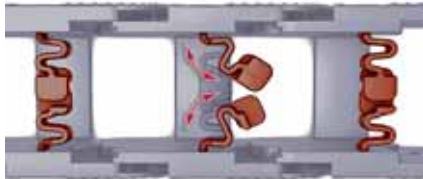


high flexibility

Fiberglass reinforced chain link –  
high stability



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**

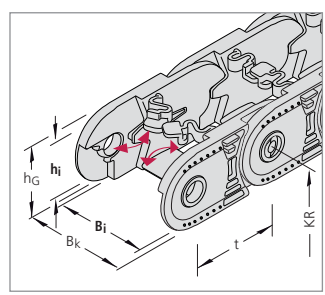
The stops are locked in the bend radius stop and pretension stop. This prevents snapping out in these areas and achieves very high lateral stability.



# Type ET 0320

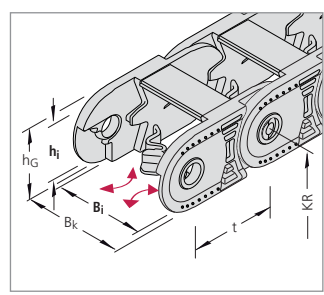
## Design 030

Outside: Simple pressing in of the cables



## Design 040

Inside: Simple pressing in of the cables



## Dimensions and intrinsic chain weight

Type	h <sub>i</sub>	h <sub>G</sub>	Inside widths B <sub>i</sub>				B <sub>k</sub>
			Intrinsic chain weight				
ET 0320	18	25.5	15*	25	38	50*	B <sub>i</sub> + 12
			0.18	0.27	0.41	0.54	

\* on request

Dimensions in mm/Weights in kg/m

## Bend radius and pitch

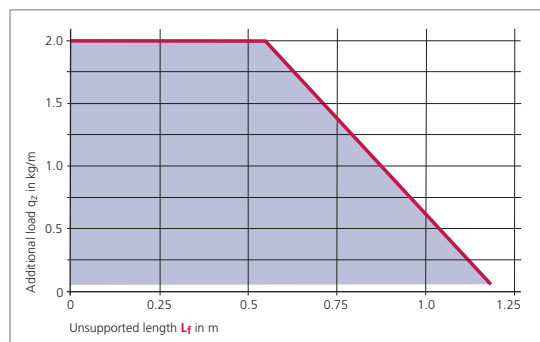
Bend radii KR mm					
28	38	48	75	100	125*

\* on request

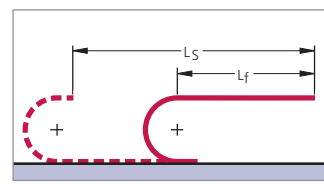
Pitch t = 32.0 mm

## Load diagram

for unsupported length L<sub>f</sub> depending on the additional load



## Unsupported length L<sub>f</sub>



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 305).

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 <sub>i</sub> in mm	Bend radius KR in mm	Chain length L <sub>k</sub> in mm (without connection)	Divider system	Number of dividers n <sub>T</sub>	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.

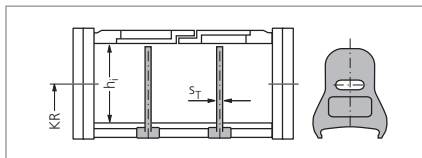


## Type ET 0320

### 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.



Inside height

18

Inside widths

15  
50

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# Type ET 0320

## Connection dimensions

Plastic connectors with integrated strain relief

Inside height



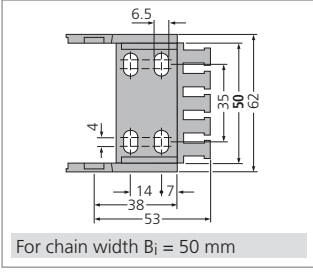
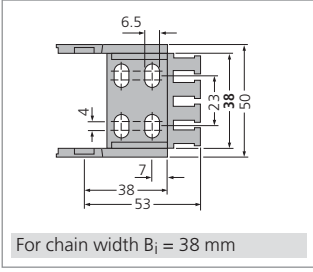
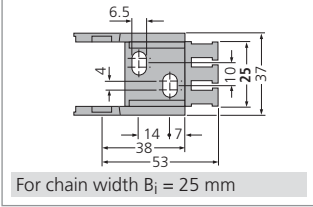
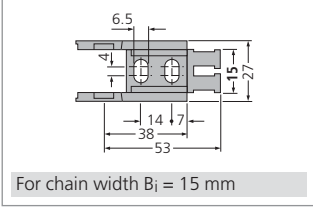
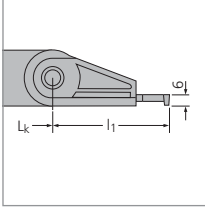
Inside widths



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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

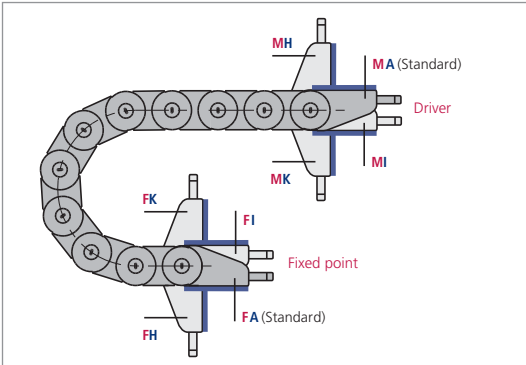


Mounting brackets without a strain relief comb are also available – please contact us.



## 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 345).

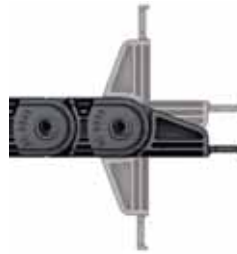
The connection type can subsequently be altered simply by varying the connectors.

#### 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

18

Inside widths

15  
50

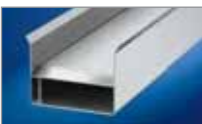
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Guide channels  
➤ from page 305



Strain relief devices  
➤ from page 311



Cables for cable carrier systems  
➤ from page 354

