

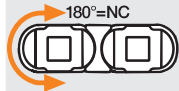







# E4.1L | Options and order keys


## Options with order keys | Examples based on series E4.38L

 <b>Standard</b> Simply turn outer side link no additional work	<b>Reverse Bend Radius (RBR) for circular movements</b>	<b>Unsupported lengths +25% possible</b>	<b>ATEX/ESD classified- II 2 GD</b>	
<b>Part No. Standard</b> 	<b>Part No. NC-Version</b> 	<b>Part No. RBR</b> 	<b>Part No. XXL-material<sup>2)</sup></b> 	<b>Part No. ESD-material</b> 
 <b>E4.38L.100.R.0</b> e-chain® with crossbars every link	<b>E4.38L.100.R.0.NC</b> e-chain® with crossbars every link	<b>E4.38L.100.R1/R2.0</b> e-chain® with crossbars every link	<b>E4.38L.100.R.0.XXL</b> e-chain® with crossbars every link	<b>E4.38L.100.R.0.ESD</b> e-chain® with crossbars every link
<b>R4.38L.100.R.0</b> e-tube, closed	<b>R4.38L.100.R.0.NC</b> e-tube, closed	<b>RBR for e-tubes - please consult igus®</b>	<b>R4.38L.100.R.0.XXL</b> e-tube, closed	<b>R4.38L.100.R.0.ESD</b> e-tube, closed
 <b>Delivery time*</b> <b>24hrs or today!</b>	<b>Delivery time*</b> <b>24hrs or today!</b>	<b>Delivery time*<sup>1)</sup></b> <b>5-10 business days</b>	<b>Delivery time*</b> <b>upon request</b>	<b>Delivery time*</b> <b>10 business days</b>

\*Delivery time means time until shipping of goods (after technical release)

1) 2-5 business days with express surcharge 2) Side-bands made from XXL material

## Order example | Order key and colour examples based on series E4.38L

 **Order example for complete e-chain® (1.0 m), colour black, with mounting brackets and interior separation:**

<b>e-chain® (1.0 m)</b>	Please indicate e-chain® length or number of links: 1.0 m or 18 links	<b>E4.38L.100.150.0</b>
<b>+ Mounting brackets</b>	1 set (with odd number of links and integrated C-profiles)	<b>E4.380.100.1.12.C</b>
<b>Interior separation</b>	with 2 separators assembled every 2 <sup>nd</sup> link	<b>2 x 38.1.1</b>
<b>Order text:</b>	<b>1 m E4.38L.100.150.0 + E4.380.100.1.12.C + 2 x 38.1.1</b>	

### Order key









e-chain® with crossbars every link  
e-tube fully enclosed

**E4.38L.100.150.0**  
**R4.38L.100.150.0**

Series / Type  
Inner height  
Width index (depends on *B*)  
Bend radius *R*  
Colour index (standard black)



### Order index for colour options

Colour	Order index	Colour	Order index
 <b>Black</b>	Standard .0	 Grey-white	Special colour .1S
 Grey	Special colour e-chain® .3	 Orange	Special colour .2
 Silver-grey	Special colour e-tubes .31	 Yellow	Special colour .4
 White	Special colour .1	 Light grey	Special colour .14

**Black e-chains® available from stock.**  
**Above special colours upon request.**



**e-chains® | E4.31L | Crossbars every link** (openable along inner and outer radius, from both sides)  
**e-tubes | R4.31L | Fully enclosed** (lids openable along inner and outer radius, either both sides)

Part No.	Part No.	<i>Bi</i>	<i>Ba</i>	E4.31L	R4.31L
e-chains®	e-tubes	[mm]	[mm]	[kg/m]	[kg/m]
E4.31L. 040.R.0	-	040	054	≈ 0,70	-
E4.31L. 050.R.0	R4.31L. 050.R.0	050	064	≈ 0,74	≈ 0,87
E4.31L. 062.R.0	-	062	076	≈ 0,76	-
E4.31L. 075.R.0	R4.31L. 075.R.0**	075	089	≈ 0,78	≈ 1,01
E4.31L. 087.R.0	-	087	101	≈ 0,83	-
E4.31L. 100.R.0	R4.31L. 100.R.0**	100	114	≈ 0,88	≈ 1,10
E4.31L. 112.R.0**	-	112	126	≈ 0,93	-

Part No.	Part No.	<i>Bi</i>	<i>Ba</i>	E4.31L	R4.31L
e-chains®	e-tubes	[mm]	[mm]	[kg/m]	[kg/m]
E4.31L. 125.R.0	R4.31L. 125.R.0**	125	139	≈ 0,96	≈ 1,28
E4.31L. 137.R.0**	-	137	151	≈ 0,98	-
E4.31L. 150.R.0	R4.31L. 150.R.0**	150	164	≈ 1,00	≈ 1,40
E4.31L. 162.R.0**	-	162	176	≈ 1,04	-
E4.31L. 175.R.0	R4.31L. 175.R.0**	175	189	≈ 1,13	≈ 1,55
E4.31L. 187.R.0**	-	187	201	≈ 1,17	-
E4.31L. 200.R.0**	R4.31L. 200.R.0**	200	214	≈ 1,17	≈ 1,68

\*\*Width available upon request. Please consult igus® for delivery time.

1) Radius not available for e-tubes

### Available bend radii

**R** [mm] | 055<sup>1)</sup> | 063<sup>1)</sup> | 075 | 100 | 125 | 150 | 175 | 200 | 250 |

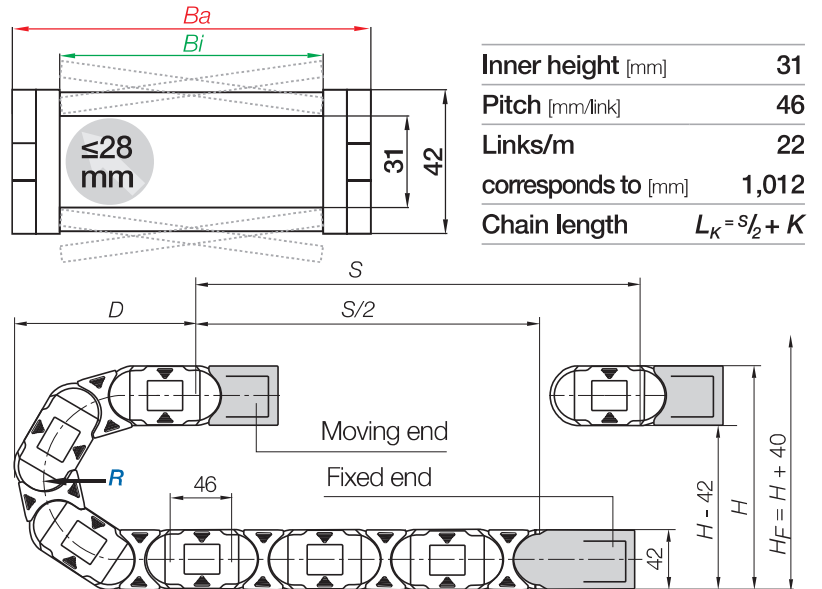
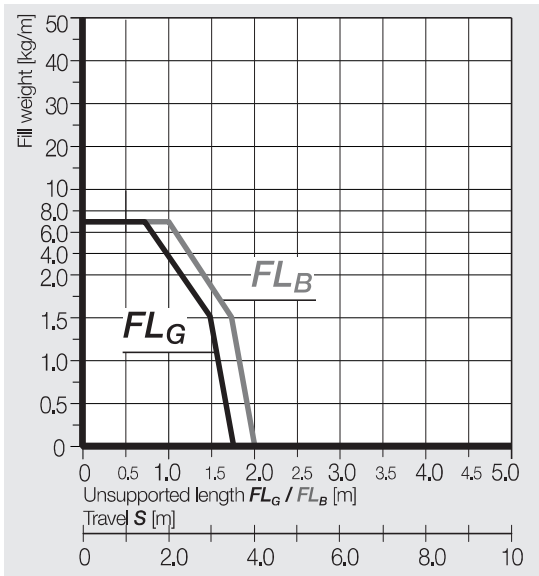
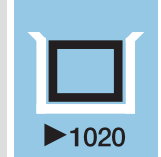
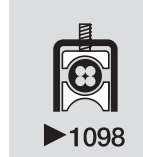
Complete Part No., with required radius (**R**). Example:

**E4.31L.050.075.0** = crossbars every link / **R4.31L.050.075.0** = fully enclosed

### Aluminium support tray - New

- Corrosion-resistant and seawater-resistant aluminium rails with adjustable width
- Noise-reducing slide bar integrated as a standard
- Easy installation and connection of the e-chain®
- Open design - dirt and debris fall through
- More information ► From page 1068



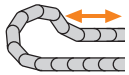


Inner height [mm]	31
Pitch [mm/link]	46
Links/m	22
corresponds to [mm]	1,012
Chain length	$L_K = \frac{S}{2} + K$

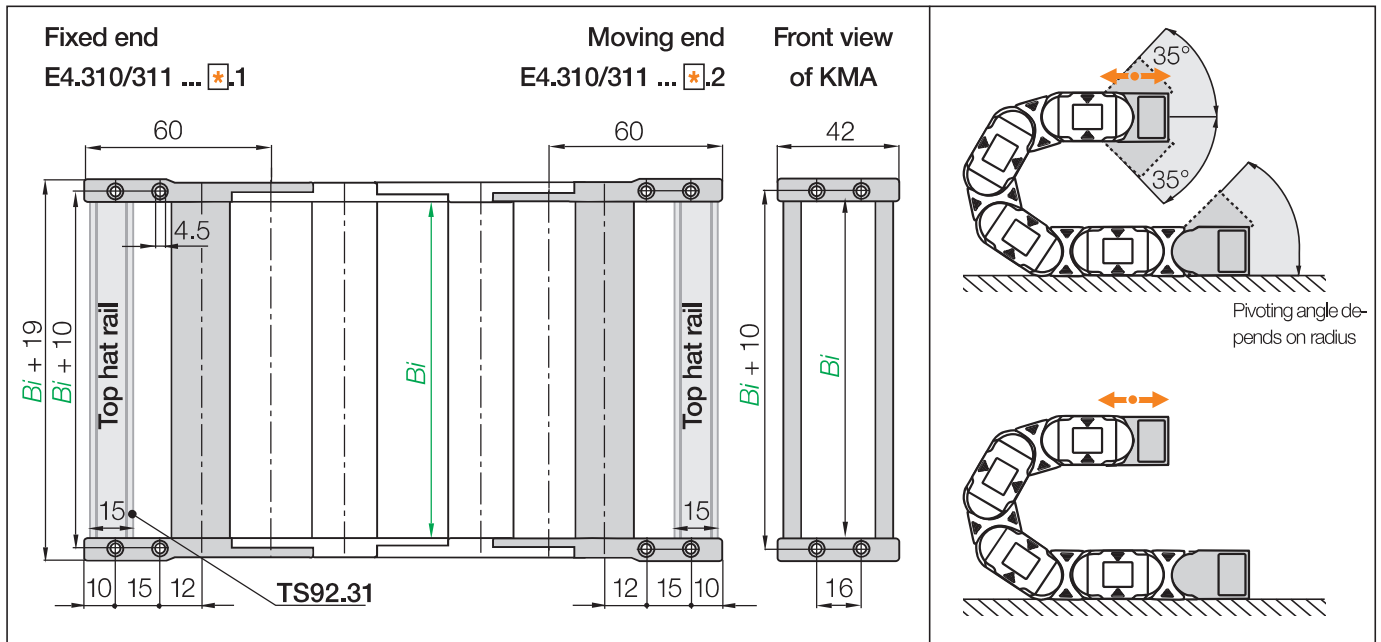
R	055 <sup>1)</sup>	063 <sup>1)</sup>	075	100	125	150	175	200	250
H	152	168	192	242	292	342	392	442	542
D	145	153	165	190	215	240	265	290	340
K	265	290	330	410	485	565	645	725	880

The required clearance height:  $H_F = H + 40$  mm (with 1.0 kg/m fill weight)

1) Radius not available for e-tubes



If a gliding application is required for a long travel, please consult igus®



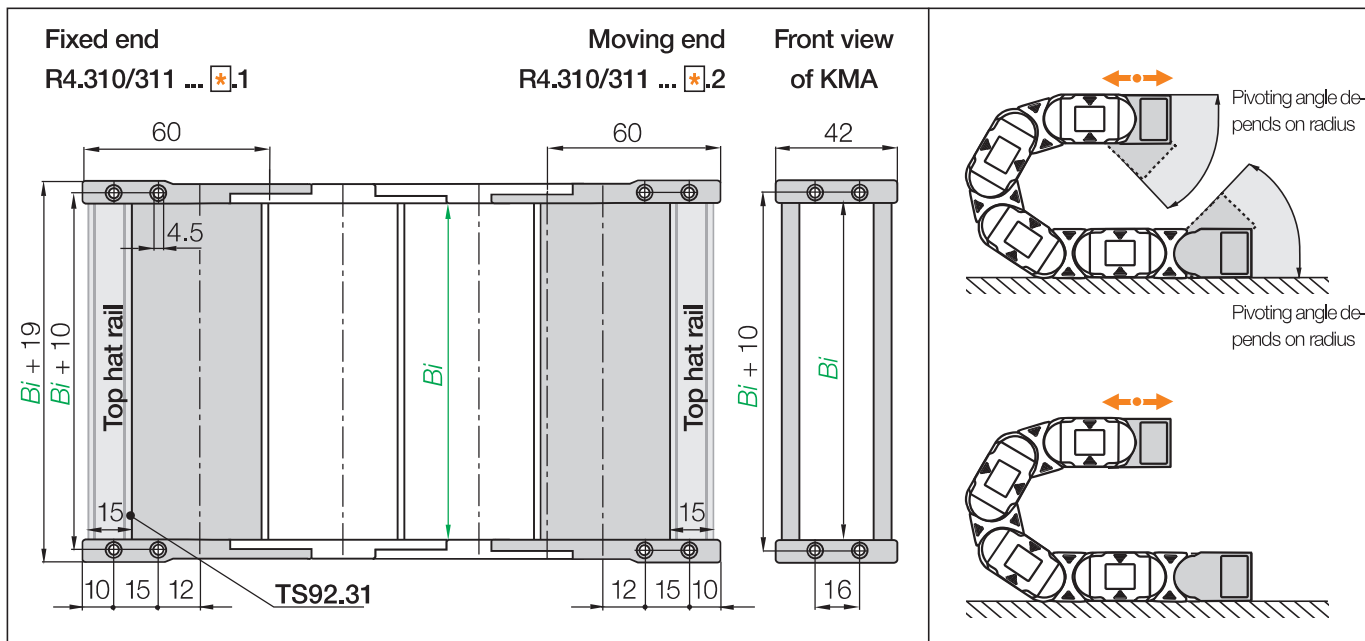
**KMA pivoting** | Recommended for unsupported and gliding applications  
**KMA locking** | Recommended for vertical hanging and standing applications

Width index	Part No. full set KMA pivoting	Part No. full set KMA locking	Bi [mm]	Width index	Part No. full set KMA pivoting	Part No. full set KMA locking	Bi [mm]
040.	E4.310.040.*.12.C	E4.311.040.*.12.C	040	125.	E4.310.125.*.12.C	E4.311.125.*.12.C	125
050.	E4.310.050.*.12.C	E4.311.050.*.12.C	050	137.	E4.310.137.*.12.C*	E4.311.137.*.12.C*	137
062.	E4.310.062.*.12.C	E4.311.062.*.12.C	062	150.	E4.310.150.*.12.C	E4.311.150.*.12.C	150
075.	E4.310.075.*.12.C	E4.311.075.*.12.C	075	162.	E4.310.162.*.12.C*	E4.311.162.*.12.C*	162
087.	E4.310.087.*.12.C	E4.311.087.*.12.C	087	175.	E4.310.175.*.12.C	E4.311.175.*.12.C	175
100.	E4.310.100.*.12.C	E4.311.100.*.12.C	100	187.	E4.310.187.*.12.C*	E4.311.187.*.12.C*	187
112.	E4.310.112.*.12.C*	E4.311.112.*.12.C*	112	200.	E4.310.200.*.12.C*	E4.311.200.*.12.C*	200

(KMA = polymer metal mounting bracket) For the C-profile option please add index **C** (top-hat rails TS92.31)

\*Width available upon request. Delivery time upon request. **Note:** if a gliding application is required for a long travel, please consult igus®.

## KMA mounting brackets | Attachment from any side | Pivoting | Locking

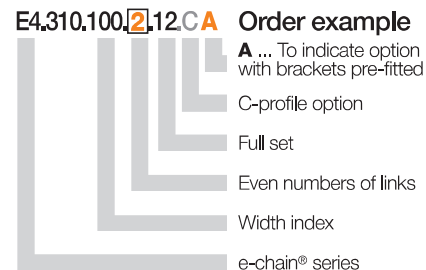
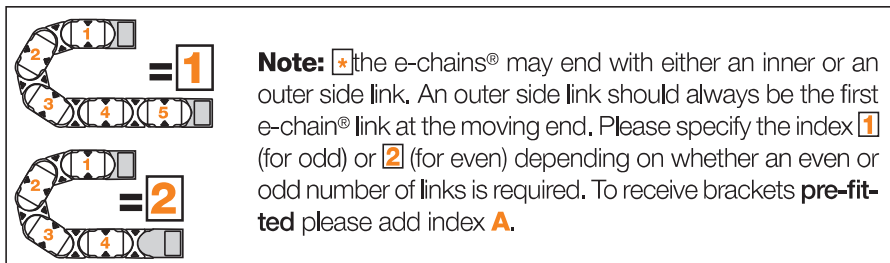


**KMA pivoting** | Recommended for unsupported and gliding applications  
**KMA locking** | Recommended for vertical hanging and standing applications

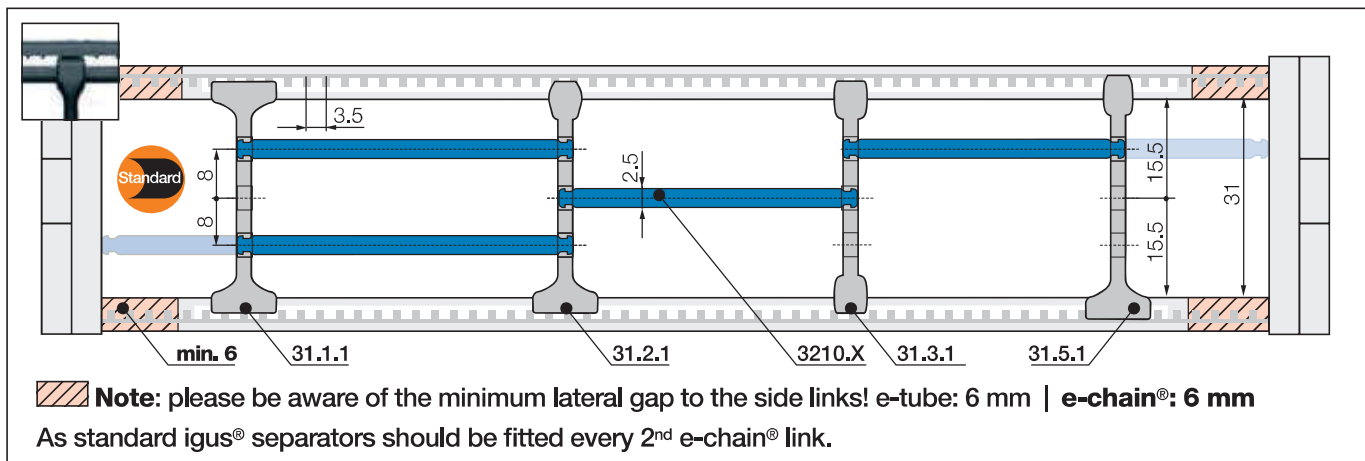
Width index	Part No. full set KMA pivoting	Part No. full set KMA locking	$Bi$ [mm]	Width index	Part No. full set KMA pivoting	Part No. full set KMA locking	$Bi$ [mm]
050.	R4.310.050.*.12.C	R4.311.050.*.12.C	050	150.	R4.310.150.*.12.C*	R4.311.150.*.12.C*	150
075.	R4.310.075.*.12.C*	R4.311.075.*.12.C*	075	175.	R4.310.175.*.12.C*	R4.311.175.*.12.C*	175
100.	R4.310.100.*.12.C*	R4.311.100.*.12.C*	100	200.	R4.310.200.*.12.C*	R4.311.200.*.12.C*	200
125.	R4.310.125.*.12.C*	R4.311.125.*.12.C*	125				

(KMA = polymer metal mounting bracket) For the C-profile option please add index **C** (top-hat rails TS92.31)

\*Width available upon request. Delivery time upon request. **Note:** if a gliding application is required for a long travel, please consult igus®.



**Strain relief** e.g. clamps, tiwrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with ordering options ► From page 1098



Standard			<b>Standard separator, wide base</b> unassembled <b>31.1*</b> assembled <b>31.1.1*</b>
			<b>Separator, narrow base</b> unassembled <b>31.2</b> assembled <b>31.2.1</b>
			<b>Separator, narrow base</b> unassembled <b>31.3*</b> assembled <b>31.3.1*</b>
			<b>Notch separator for notched crossbar</b> unassembled <b>31.5</b> assembled <b>315.1</b>
			<b>Shelf, lockable</b> unassembled <b>2300.X</b> assembled <b>2310.X</b>

### Standard - for any application

Separator with a wide base for maximum holding strength in the e-chain®.

\*Available upon request. Please consult igus® for delivery time.

### For even faster installation

Wide on one side for high holding strength, narrow on opposite side for easy cable fitting.

### For small cables

Separator with a narrow base for a large number of small cables side by side. Saves space in the e-chain®.

\*Available upon request. Please consult igus® for delivery time.

### Locks securely in preset increments

Notch separator for exact positioning in e-chains®. Recommended for side-mounted applications.

### Horizontal separation

Full-width shelf locks securely into separators at both ends, giving a fixed width. Can be used as full-width or partial shelf.

### Shelves

Width = X [mm]



X [mm]	unassembled	assembled	X [mm]	unassembled	assembled	X [mm]	unassembled	assembled
015	2300.015	2310.015	060	2300.060	2310.060	087	2300.87	2310.087
025	2300.025	2310.025	062	2300.062	2310.062	090	2300.90	2310.090
030	2300.030	2310.030	065	2300.065	2310.065	100	2300.100	2310.100
038	2300.038	2310.038	070	2300.070	2310.070	103	2300.103	2310.103
040	2300.040	2310.040	075	2300.075	2310.075	110	2300.110	2310.110
050	2300.050	2310.050	077	2300.077	2310.077	120	2300.120	2310.120
057	2300.057	2310.057	080	2300.080	2310.080	125	2300.125	2310.125

## Large range of accessories



Due to the modular design, the E4.1L energy chain can be adapted to any specific application. As an open standard version for cable guidance, with extender crossbars for large hoses, or enclosed in a chip-resistant tube form complete with guide trough – just three of many options.