



Price Index



3 Widths
5 Bending Radii



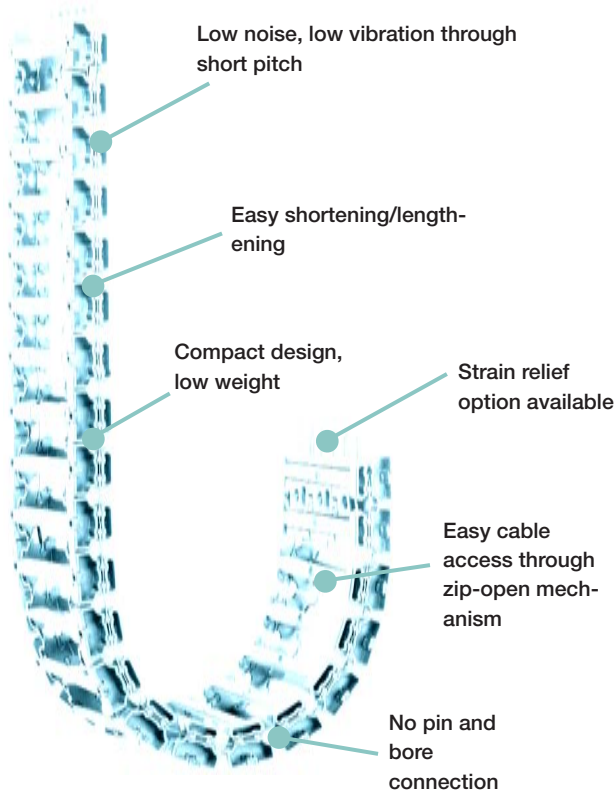
Low-noise design



Interior separation possible



mounting brackets and strain relief available



Product Range:

Inner Widths (Bi) inches (mm):	.79 (20), 1.57 (40), 2.36 (60)
Bending Radii (R) inches (mm):	.59 (015), .71 (018), 1.26 (028), 1.50 (038), 1.89 (048)
Pitch:	.66 (16.7 mm/link) = 18 links/ft (60 links/m)



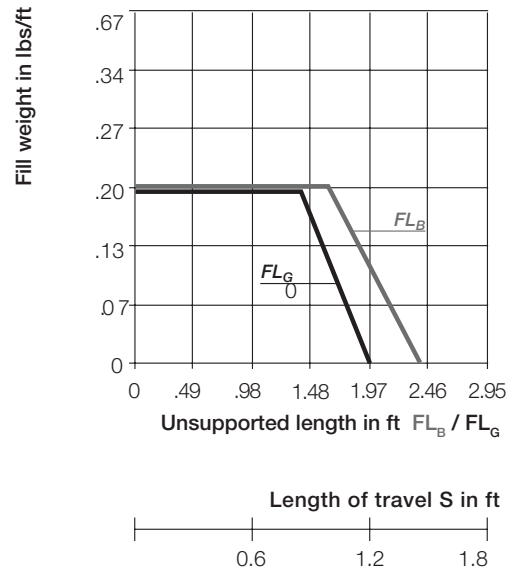
When to use the Series E3-10:

- If extremely quiet operation is required
- When low vibration is important
- When low weight is important



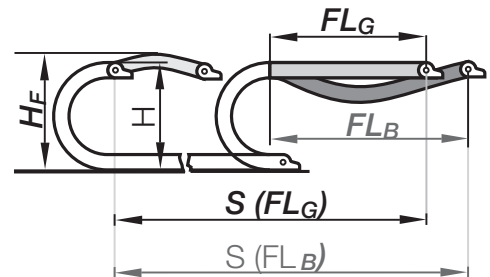
When not to use the Series E3-10:

- If protection against chips is required
- ▶ Series 07 Zipper
Chapter 3



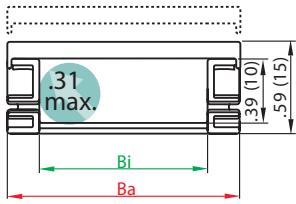
Unsupported length

- FL_B = unsupported with permitted sag
- FL_G = unsupported with straight upper run



[Click Here for Specs & CAD Files](#)

Series E3-10 Energy Chain



Part No.	Bi	Ba
E3-10-020	.79 (20)	1.26 (32)
E3-10-040*	1.57 (40)	2.05 (52)
E3-10-060	2.36 (60)	2.83 (72)

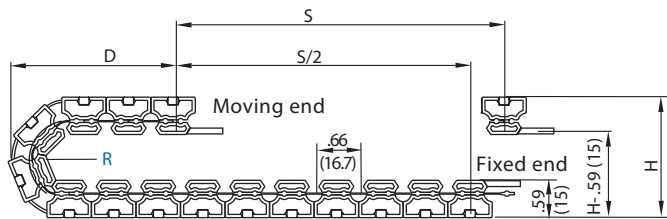
Supplement part no. with required radius
for example, E3-10-060-015-0

Bending Radii
for ALL Widths

.59 (015)
.71 (018)
1.10 (028)
1.50 (038)
1.89 (048)

*Delivery time upon request

Installation Dimensions



R	.59 (015)	.71 (018)	1.10 (028)
H*	1.97 (50)	2.20 (56)	2.99 (76)
D	1.65 (42)	1.77 (45)	2.17 (55)
K	3.35 (85)	3.54 (90)	4.92 (125)

R	1.50 (038)	1.89 (048)
H*	3.78 (96)	4.57 (116)
D	2.56 (65)	2.95 (75)
K	6.10 (155)	7.28 (185)

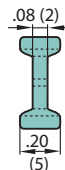
*The required clearance height is $HF = H + 1.97 (50 \text{ mm})$ with $.067 \text{ lbs/ft } (0.1 \text{ kg/m})$ fill weight. Please consult igus if space is particularly restricted.

- Pitch: = $.66 (16.7 \text{ mm})$ per link
- Links per ft (m): = 18.29 (60)
- Total Travel: = S
- Chain length: = $\frac{S}{2} + K$

[Click Here for Specs & CAD Files](#)

Interior Separation

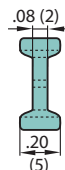
Vertical Separators



Vertical Separator, slotted

Unassembled Part No. E3-10-01

Assembled Part No. E3-10-11



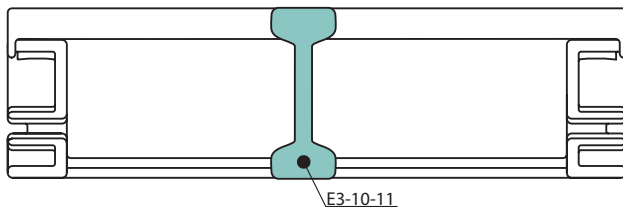
Vertical Separator, on a strip

Unassembled Part No. E3-10-01-10

Assembled Part No. E3-10-11-10

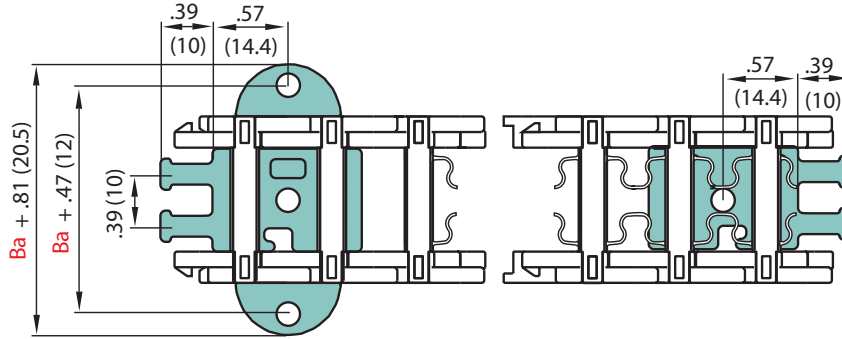
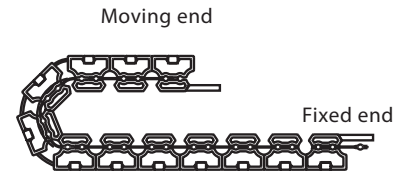
Energy Chains and Energy Tubes can be subdivided both vertically and horizontally using the various interior separation elements.

For layout recommendations, see Design, Chapter 1

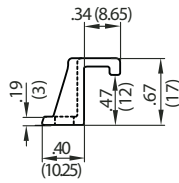


Plastic Mounting Brackets

- Mounting bracket for the stationary end of the chain
- Easy to attach to the machine
- Corrosion resistant
- Different attachment layouts possible
- Simple assembly



Mounting angle as a single part



Strain relief for both sides as single parts



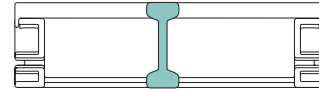
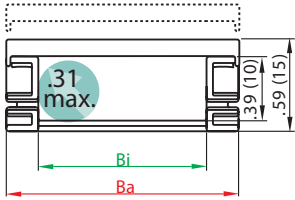
Chain Type	Part No. Full Set Strain relief both sides + 4 mounting angles	Part No. Strain relief for both sides	Part No. Mounting angles (Single part)
E3-10-020	E3-10-020-12	E3-020-12	E3-10-00
E3-10-040*	E3-10-040-12	E3-040-12	E3-10-00
E3-10-060	E3-10-060-12	E3-060-12	E3-10-00

* Delivery time upon request

[Click Here for Specs & CAD Files](#)

Order Example and Technical Data: Series E3-10 System E3

Order example



1. Chain selection:

E3-10-060-038-0

- Color black
- Radius
- Width
- Chain type

2. Mounting brackets:

E3-10-060-12

- Full set
- Chain width
- Single-sided, pivoting

3. Interior separation:

2 separators assembled
(Part No. E3-10-11).
Alternative interior separation configuration according to design layout possible.

For 6.56 ft (2 m) chain, color black, with pivoting mounting brackets
6.56 ft (2 m) E3-10-060-038-0 and E3-10-060-12

120 links — 18.29 links/ft (60 links/m)



Technical data

Chain Type	Weight	
	(lbs/ft)	(kg/m)
-020	.08	(.12)
-040	.10	(.15)
-060	.13	(.20)

