



Price Index



3 Widths
5 Bending Radii



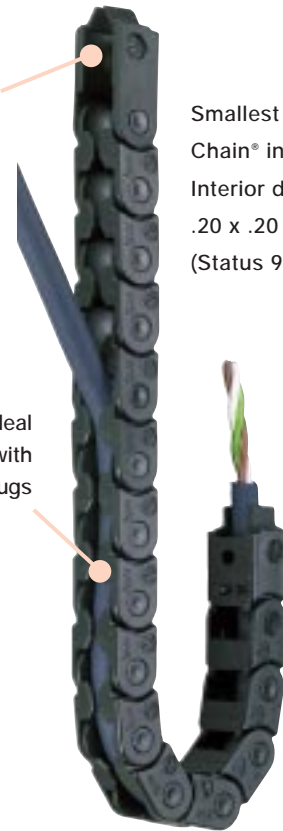
Mounting bracket with integrated strain relief



Adapter plate for rapid installation

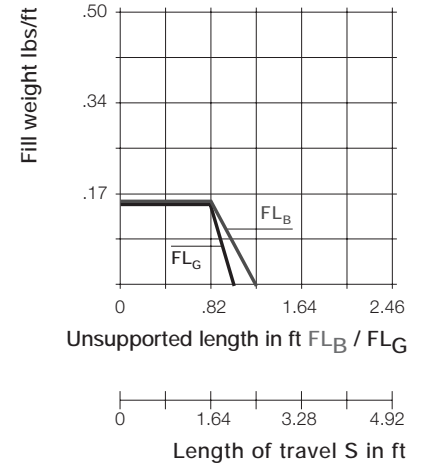


Mounting bracket with integrated strain relief



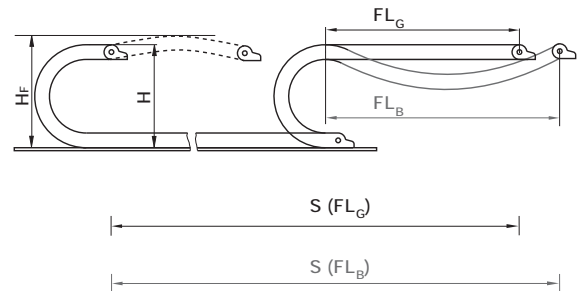
Smallest Energy Chain® in the world – Interior dimension .20 x .20 (5 x 5 mm) (Status 9/2000)

Very easy to fill — ideal for applications with made -to-spec plugs



Unsupported Length

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



Product Range:

Inner Widths (Bi) inches (mm):	.20 (05), .28 (07*), .39 (10*)
Bending Radii (R) inches (mm):	.39 (010), .47 (012), .59 (015), .71 (018), 1.10 (028)
Pitch:	.39 (10 mm)/Links = 30.47 links/ft (100 Links/m) 39.4 (1000 mm)



When to use the Series E03:

- If filling is required without opening
- If price is an issue
- If quiet operation is required



When not to use the Series E03:

- If long unsupported travels are required
- ▶ Series 03 "E2 micro", Chapter 4

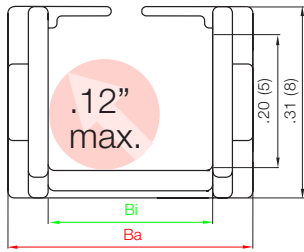
"E-Z Chain" is a line of Energy Chains® designed for easy handling. Cables and hoses can be inserted directly into these Energy Chains® through a split, memory-retaining crossbar. The split crossbar is available along the outer radius ("E") of the chain. E-Z Chains are ideal for short-cycle, low-speed applications. Because of its design, this line of Energy Chains® is also capable of handling torque in an application. All "E-Z Chain" Energy Chains® are made of a fire-retardant material

Series E03 "E-Z Chain"



E03

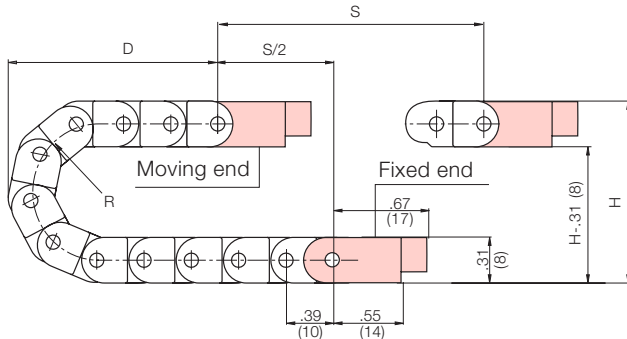
E03 (split crossbar along the outer radius)



Part No.	Bi	Ba	Bending Radii for ALL Widths
E03-05	.20 (05)	.34 (08.7)	.39 (010)
E03-07	.28 (07)	.42 (10.7)	.47 (012)
E03-10	.39 (10)	.54 (13.7)	.59 (015) .71 (018) 1.10 (028)

Supplement part number with required radius
for example E03-05-018-0

Installation Dimensions



R	.39 (010)	.47 (012)	.59 (015)
H*	1.18 (30)	1.34 (34)	1.57 (40)
D	.98 (25)	1.06 (27)	1.18 (30)
K	2.17 (55)	2.36 (60)	2.76 (70)

R	.71 (018)	1.10 (028)
H*	1.81 (46)	2.60 (66)
D	1.30 (33)	1.69 (43)
K	3.15 (80)	4.33 (110)

*The required clearance height is HF = H + 10 with .067 lbs/ft (0.1 kg/m) fill weight. Please consult igus® if space is particularly restricted.

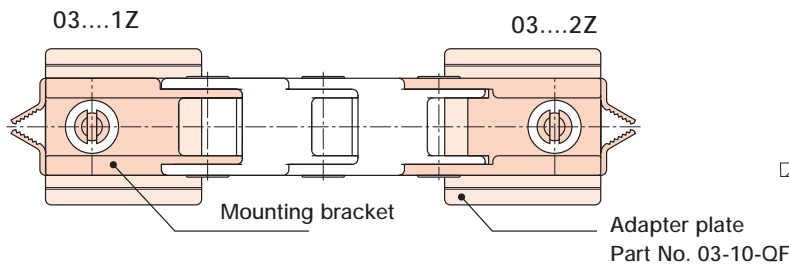
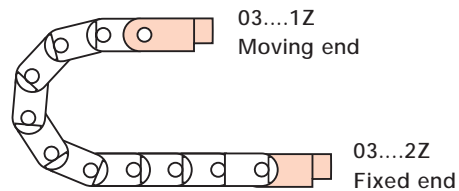
- Pitch: = .39 (10 mm) per link
- Links per ft (m): = 30.47 (100)
- Chain length: = $\frac{S}{2} + K$



Mounting Brackets

Polymer, One Piece

- One-piece mounting bracket
- Corrosion resistant
- Available pre-assembled
- Rapid installation through adaptor plate



Chain Type	Part No.	Dimension B	
		in	(mm)
E03-05	03-05-12Z	.34	(8.7)
E03-07	03-07-12Z	.42	(10.7)
E03-10	03-10-12Z	.54	(13.7)

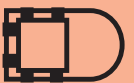
- 03...12Z = Full set, each part with pin/bore
- 03...1Z = Mounting bracket with bore
- 03...2Z = Mounting bracket with pin



03-10-QF = Adapter plate for all sizes

The adapter has broken edges, so that it can be adapted to the respective chain width. It is not absolutely necessary for attaching the mounting brackets. The mounting brackets can also be screwed on without the adapter plate.

PDF: www.igus.com/echainpdf.asp
Specs/CAD/RFO: www.igus.com/echain.asp
RoHS info: www.igus.com/RoHS.asp



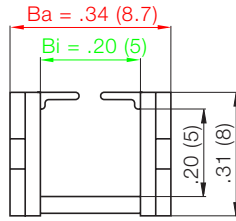
Order Example and Technical Data: Series E03 "E-Z Chain"

igus® Energy Chain
System®

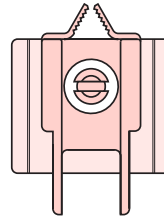
Telephone 1-800-521-2747
Fax 1-401-438-7270

Internet: <http://www.igus.com>
email: sales@igus.com
QuickSpec: <http://www.igus.com/qs/echain.asp>

Order example

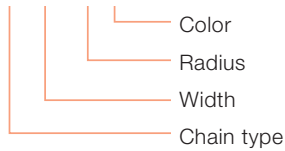


E03-05..



1. Chain selection:

03-05-028-0



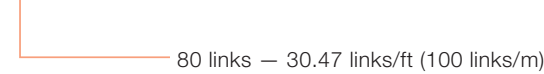
2. Mounting brackets:

03-05-12Z



For 2.62 ft (0.8 m) chain, color black, with mounting brackets:

2.62 ft. (0.8 m) E03-05-028-0 and 03-05-12Z



Technical Data

Chain Type	Weight Per Link		Weight	
	(oz.)	(g)	(lbs/ft)	(kg/m)
E03-05	0.014	(≈ 0.4)	0.022	(≈ 0.032)
E03-07	0.018	(≈ 0.5)	0.027	(≈ 0.040)
E03-10	0.021	(≈ 0.6)	0.032	(≈ 0.048)

Material (chain)	igumid NB
Material (mounting brackets)*	igumid G
Permitted temperature	-22°F/212°F (-30°C/+100°C)
Gliding speed max.	Conditionally suitable
Unsupported v max.	32.8 ft/s (10m/s)
Flammability class (chain)	VDE 0304 IIC UL94 V2
Flammability class (mounting brackets)*	VDE 0304 IIC UL94 HB

*Available in igumid NB upon request, please consult igus® for delivery time

- Details of material properties
- ▶ Design, Chapter 1