

Price Index



6 Widths  
3 Bending Radii



Mounting bracket  
Series 05



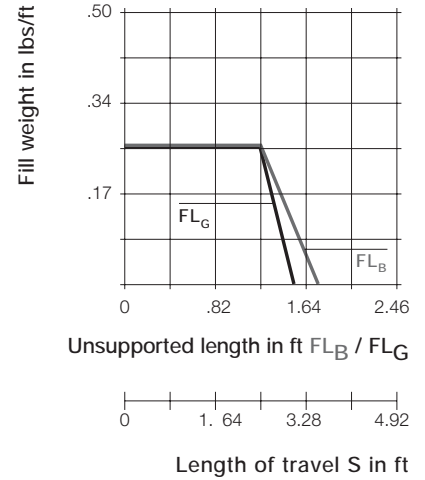
**Quicksnap:** the complete unit, detachable by hand  
Call for availability



**Quickfix:** mounting bracket with pin  
Call for availability

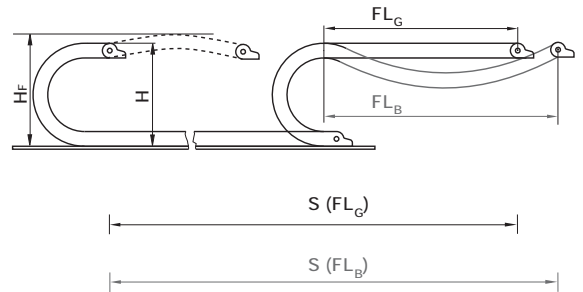


Very lightweight — ideal for applications with low fill weight



Unsupported length

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



Product Range:

Inner Widths (Bi) inches (mm):	.24 (6), .39 (10), .63 (16), .79 (20), 1.18 (30), 2.52 (64)
Bending Radii (R) inches (mm):	.71 (018), 1.10 (028), 1.50 (038)
Pitch:	.79 (20 mm/link) = 15.24 links/ft (50 links/m)



When to use the Series 05 E2 "micro":

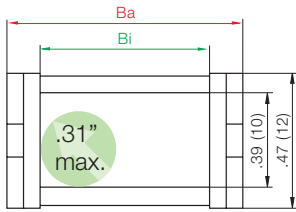
- If lightweight construction is required
- If minimal height and width dimensions are required
- If cost is a factor



When not to use the Series 05 E2 "micro":

- If snap-open links are necessary
  - ▶ Series 07 "Zipper", Chapter 3
- If quick insertion of cables with pre-assembled connectors is required
  - ▶ Series E45 "E-Z Chain", Chapter 2
- If extra rigidity is required
  - ▶ Series 06 E2 "micro", Chapter 4





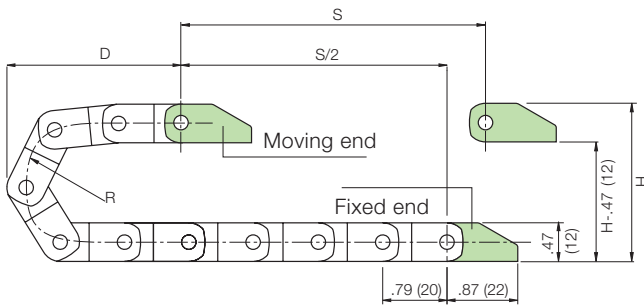
Part No.	(Old Part No.)	Bi	Ba
05-06	(05-1)*	.24 (6)	.39 (10)
05-10	(05-2)*	.39 (10)	.55 (14)
05-16	(05-3)*	.63 (16)	.79 (20)
05-20	(05-4)*	.79 (20)	.94 (24)
05-30	(05-5)*	1.18 (30)	1.34 (34)
05-64		2.52 (64)	2.68 (68)

Bending Radii for ALL Widths  
.71 (018)  
1.10 (028)  
1.50 (038)

\*You may continue to order this chain type using the old part number.

Supplement part number with required radius for example 05-20-038-0

### Installation Dimensions



R	.71 (018)	1.10 (028)	1.50 (038)
H*	1.97 (50)	2.76 (70)	3.54 (90)
D	1.57 (40)	1.97 (50)	2.36 (60)
K	3.94 (100)	5.51 (140)	6.30 (160)

\*The required clearance height is HF = H + .39 (10) with .13 lbs/ft (0.2 kg/m) fill weight. Please consult igus® if space is particularly restricted.

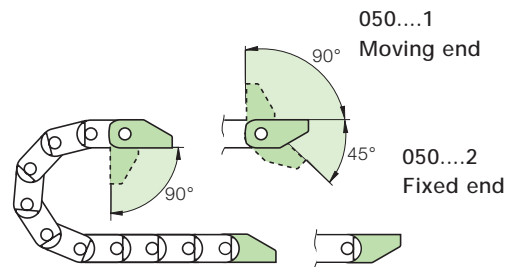
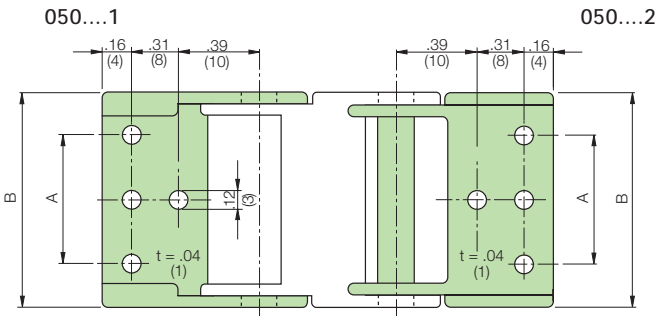


Pitch: = .79 (20 mm) per link  
Links per ft (m): = 15.24 (50)  
Chain length: =  $\frac{S}{2} + K$

### Mounting Brackets

#### Polymer, One Piece

- One-piece, locked mounting bracket
- Corrosion resistant
- Available pre-assembled
- Inner and outer attachment possible



050-06-12 - 050-20-12:  
Center bores only  
050-30-12 - 050-64-12:  
Outer bores only

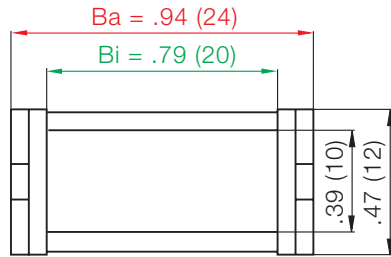
Chain Type	Part No. Full set	Dimension A		Dimensions B	
		in.	(mm)	in.	(mm)
05-06 (05-1)	050-06-12	-		.42	(10.7)
05-10 (05-2)	050-10-12	-		.58	(14.7)
05-16 (05-3)	050-16-12	-		.81	(20.7)
05-20 (05-4)	050-20-12	-		.97	(24.7)
05-30 (05-5)	050-30-12	.87	(22)	1.57	(34.7)
05-64	050-64-12	2.20	(56)	2.70	(68.7)

050...12 = Full set, each part with pin/bore  
050... 1 = Mounting bracket with bore  
050... 2 = Mounting bracket with pin

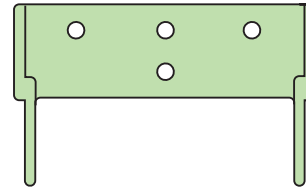
PDF: [www.igus.com/echainpdf.asp](http://www.igus.com/echainpdf.asp)  
Specs/CAD/RFO: [www.igus.com/echain.asp](http://www.igus.com/echain.asp)  
RoHS info: [www.igus.com/RoHS.asp](http://www.igus.com/RoHS.asp)



## Order example



05-20...



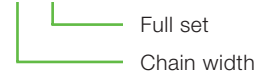
### 1. Chain selection:

05-20-038-0



### 2. Mounting brackets:

050-20-12



For 3.94 ft (1.2 m) chain, color black, with mounting brackets:  
3.94 ft (1.2 m) 05-20-038-0 and 050-20-12

60 links — 15.24 links/ft (50 links/m)

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CAD Files](#)

## Technical data

Chain Type (Old Part No.)	Weight Per Link		Weight	
	(oz.)	(g)	(lbs/ft)	(kg/m)
05-06 (05-1)	0.042	(≈ 1.20)	0.040	(≈ 0.060)
05-10 (05-2)	0.046	(≈ 1.30)	0.044	(≈ 0.065)
05-16 (05-3)	0.049	(≈ 1.40)	0.047	(≈ 0.070)
05-20 (05-4)	0.053	(≈ 1.50)	0.050	(≈ 0.075)
05-30 (05-5)	0.063	(≈ 1.80)	0.060	(≈ 0.090)
05-64	0.091	(≈ 2.60)	0.128	(≈ 0.190)

Material	igumid G
Permitted temperature	-40°F/266°F (-40°C/+130°C)
Gliding speed max.	16.4 ft/s (5 m/s)
Unsupported v max.	32.81 ft/s (10 m/s)
Flammability class	VDE 0304 IIC UL94 HB

● Details of material properties

▶ Design, Chapter 1