

Price Index



7 Widths
8 Bending Radii



Interior separation possible



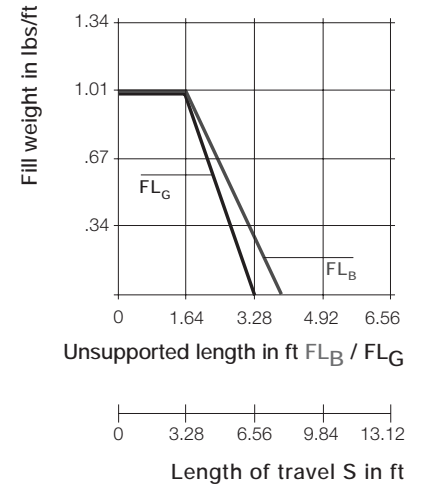
Mounting bracket with or without strain relief tiewrap plates



Quickfix: mounting bracket with pin
Call for availability

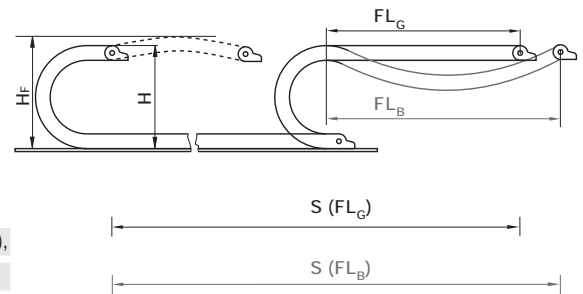


Large pins and double stop dog for long service life and long unsupported length



Unsupported length

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



Product Range:

Inner Widths (Bi) inches (mm):	.59 (15), .98 (25), 1.50 (38), 1.97 (50), 2.48 (63), 3.15 (80), 3.94 (100)
Bending Radii (R) inches (mm):	1.50 (38), 1.89 (48), 2.95 (75), 3.94 (100), 4.33 (110), 4.92 (125), 5.71 (145), 7.09 (180)
Pitch:	1.20 (30.5 mm)/link = 10.06 links/ft (33 links/m) 39.3 (1000.5 mm)

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



When to use the Series B15/B15i"E2 mini":

- If snap-open accessibility is required
- If connection options are required (Quicksnap, Quickfix, etc.)
- If a small but very stable chain is required



When not to use the Series B15/B15i"E2 mini":

- If snap-open accessibility is not required
 - ▶ Series 10, Chapter 4
- If torsion occurs
 - ▶ Series E14 "E-Z Chain", Chapter 2

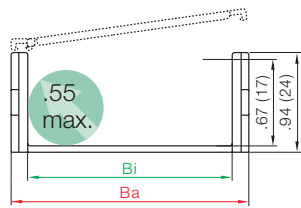
Series B15/B15i E2 "mini"



B15
B15i

Series B15

(snap-open along outer radius)



Part No.	Bi	Ba
B15-015	.59 (15)	1.02 (26)
B15-025	.98 (25)	1.42 (36)
B15-038	1.50 (38)	1.93 (49)
B15-050	1.97 (50)	2.40 (61)
B15-5	2.48 (63)	2.99 (76)
B15-6	3.15 (80)	3.70 (94)
B15-7	3.94 (100)	4.45 (113)

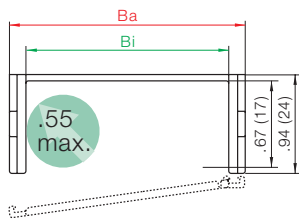
Bending Radii
for ALL Widths

- 1.50 (038)
- 1.89 (048)
- 2.95 (075)
- 3.94 (100)
- 4.33 (110)
- 4.92 (125)
- 5.71 (145)
- 7.09 (180)

Supplement part no. with required radius
for example, B15-025-100-0

Series B15i

(snap-open along inner radius)



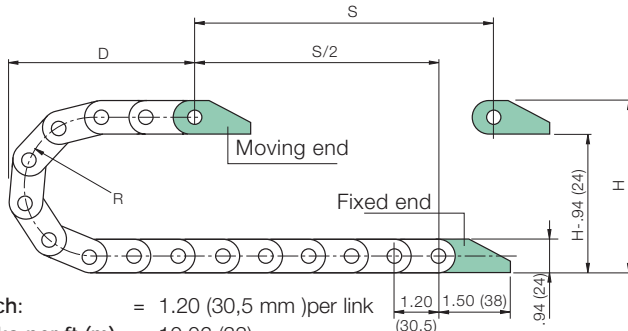
Part No.	Bi	Ba
B15i-015	.59 (15)	1.02 (26)
B15i-025	.98 (25)	1.42 (36)
B15i-038	1.50 (38)	1.93 (49)
B15i-050	1.97 (50)	2.40 (61)
B15i-5	2.48 (63)	2.99 (76)
B15i-6	3.15 (80)	3.70 (94)
B15i-7	3.94 (100)	4.45 (113)

Bending Radii
for ALL Widths

- 1.50 (038)
- 1.89 (048)
- 2.95 (075)
- 3.94 (100)
- 4.33 (110)
- 4.92 (125)
- 5.71 (145)
- 7.09 (180)

Supplement part no. with required radius
for example, B15i-025-100-0

Installation Dimensions



Pitch: = 1.20 (30,5 mm) per link
 Links per ft (m): = 10.06 (33)
 Chain length: = $\frac{S}{2} + K$

R	1.50 (38)	1.89 (48)	2.95 (75)	3.94 (100)
H*	3.94 (100)	4.72 (120)	6.89 (175)	8.86 (225)
D	3.15 (80)	3.54 (90)	4.72 (120)	5.71 (145)
K	7.28 (185)	8.46 (215)	11.81 (300)	14.76 (375)

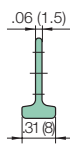
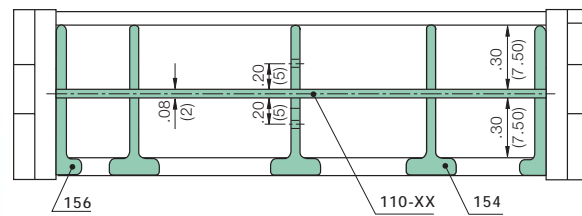
R	4.33 (110)	4.92 (125)	5.71 (145)	7.09 (180)
H*	9.65 (245)	10.83 (275)	12.40 (315)	15.16 (385)
D	6.10 (155)	6.69 (170)	7.48 (190)	8.86 (225)
K	16.14 (410)	17.91 (455)	20.47 (520)	24.80 (630)

*The required clearance height is $HF = H + .79 (20)$ with 1.01 lbs/ft (1.5 kg/m) fill weight. Please consult igus® if space is particularly restricted.

Interior Separation

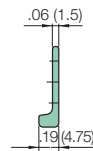
Option 1: vertical separators

Vertical separators are used if only a vertical subdivision is required. A slotted separator is used for this subdivision. This separator can also be used with full-width shelves for a continuous horizontal subdivision.



Vertical Separator, Slotted

Unassembled Part No. 153
 Assembled Part No. 154

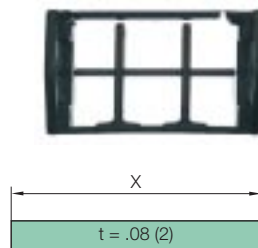


Side Plate

Unassembled Part No. 155
 Assembled Part No. 156

Option 2: full-width shelf

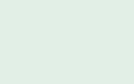
Interior separation with continuous horizontal subdivision is practical using a large number of thin cables with similar or identical diameters.



Width X in. (mm)	Part No. Unassembled	Part No. Assembled
.59 (015)	110-15	111-15
.98 (025)	110-25	111-25
1.50 (038)	110-38	111-38
1.97 (050)	110-50	111-50
2.48 (063)	110-63	111-63
3.15 (080)	110-80	111-80
3.94 (100)	110-100	111-100



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

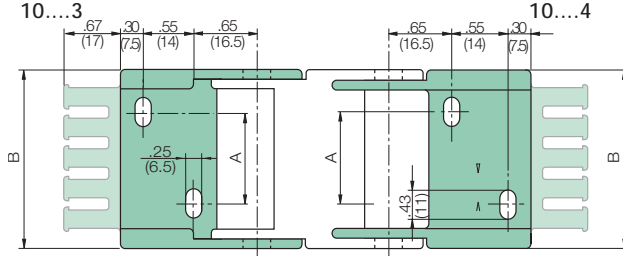
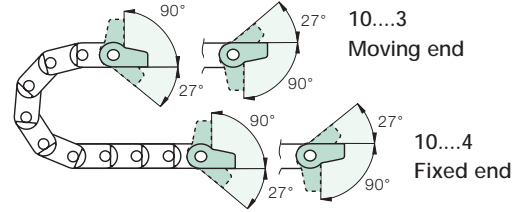


Chapter 9

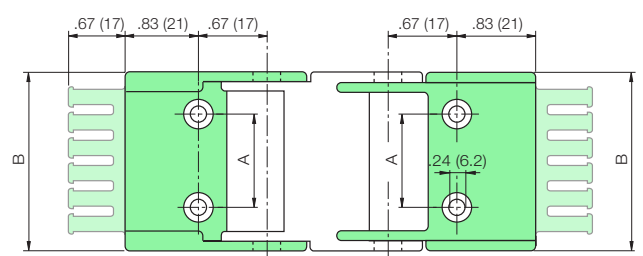
Mounting Brackets (2 options for all applications)

Option 1: pivoting

- Pivoting
- Short and long travel
- Space-restricted conditions
- Corrosion-resistant



1015-34-P(Z) – 1050-34-P(Z)



105-34-P(Z) – 107-34-P(Z)

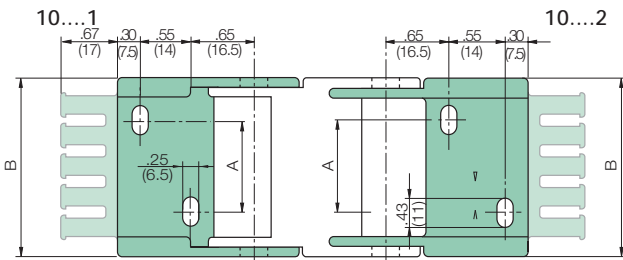
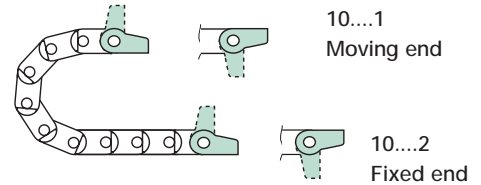
Chain Type	Part No. Full set with Tiewrap Plate	Part No. Mounting Bracket Set	Dimension A in. (mm)	Dimensions B in. (mm)
B15/B15i-015	1015-34PZ	1015-34P	— —	1.00 (25.5)
B15/B15i-025	1025-34PZ	1025-34P	.39 (10)	1.40 (35.5)
B15/B15i-038	1038-34PZ	1038-34P	.91 (23)	1.91 (48.5)
B15/B15i-050	1050-34PZ	1050-34P	1.54 (39)	2.38 (60.5)
B15/B15i-5	105-34PZ	105-34P	1.89 (48)	2.95 (75.0)
B15/B15i-6	106-34PZ	106-34P	2.56 (65)	3.62 (92.0)
B15/B15i-7	107-34PZ	107-34P	3.35 (85)	4.41 (112.0)

10... 34 = Full set, each part with pin/bore
10... 3 = Mounting bracket with bore
10... 4 = Mounting bracket with pin

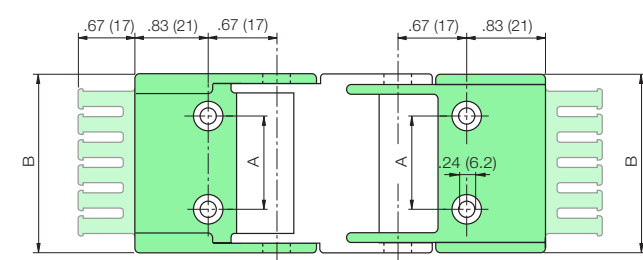


Option 2: locking

- Locked connections
- Short and long travels
- Extreme accelerations
- Corrosion-resistant



1015-12-P(Z) – 1050-12-P(Z)



105-12-P(Z) – 107-12-P(Z)

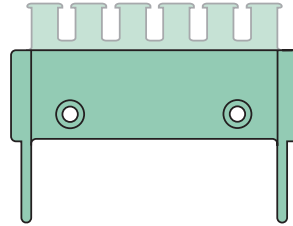
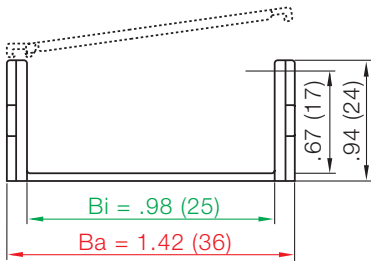
Chain Type	Part No. Full set with Tiewrap Plate	Part No. Mounting Bracket Set	Dimension A in. (mm)	Dimensions B in. (mm)
B15/B15i-015	1015-12PZ	1015-12P	— —	1.00 (25.5)
B15/B15i-025	1025-12PZ	1025-12P	.39 (10)	1.40 (35.5)
B15/B15i-038	1038-12PZ	1038-12P	.91 (23)	1.91 (48.5)
B15/B15i-050	1050-12PZ	1050-12P	1.54 (39)	2.38 (60.5)
B15/B15i-5	105-12PZ	105-12P	1.89 (48)	2.95 (75.0)
B15/B15i-6	106-12PZ	106-12P	2.56 (65)	3.62 (92.0)
B15/B15i-7	107-12PZ	107-12P	3.35 (85)	4.41 (112.0)

10...12 = Full set, each part with pin/bore
10... 1 = Mounting bracket with bore
10... 2 = Mounting bracket with pin

Order Example and Technical Data: Series B15/B15i E2 "mini"

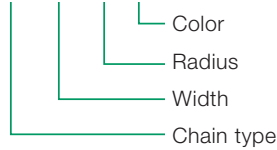
Order example

B15-025



1. Chain selection:

B15-025-038-0



2. Mounting brackets:

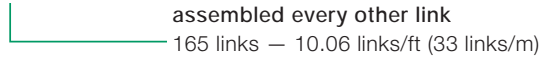
1025-12PZ



3. Interior separation:

2 separators, unassembled, (Part No. 150),
or
assembled every other link (Part No. 151).
Alternative interior separation configuration
according to design layout possible.

For 16.4 ft (5 m) chain, color black, with mounting brackets and two separators:
16.4 ft (5 m) B15-025-038-0 and 1025-12PZ and two separators 154



Technical data

Chain Type	Weight Per Link		Weight	
	(oz.)	(g)	(lbs/ft)	(kg/m)
B15/B15i-015	0.35	(≈ 10)	0.24	(≈ 0.35)
B15/B15i-025	0.42	(≈ 12)	0.27	(≈ 0.40)
B15/B15i-038	0.49	(≈ 14)	0.31	(≈ 0.46)
B15/B15i-050	0.56	(≈ 16)	0.35	(≈ 0.52)
B15/B15i-5	0.67	(≈ 19)	0.42	(≈ 0.63)
B15/B15i-6	0.74	(≈ 21)	0.47	(≈ 0.70)
B15/B15i-7	1.02	(≈ 29)	0.51	(≈ 0.76)

Material	igumid G
Permitted temperature	-40°/+266°F (-40°/+130°C)
Gliding speed max.	16.4 ft/s (5 m/s)
Unsupported V max.	32.8 ft/s (10 m/s)
Flammability class	VDE 0304 IIC UL94 HB

- Details of material properties
- ▶ Design, Chapter 1

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



Chapter 9