

Price Index



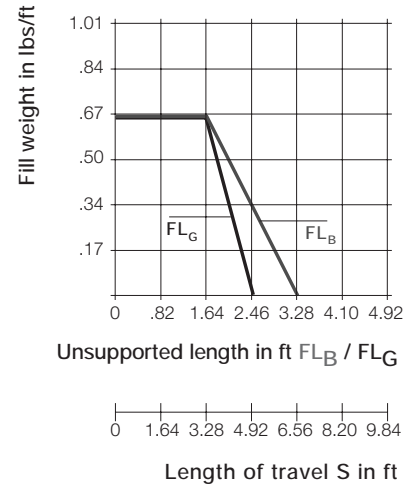
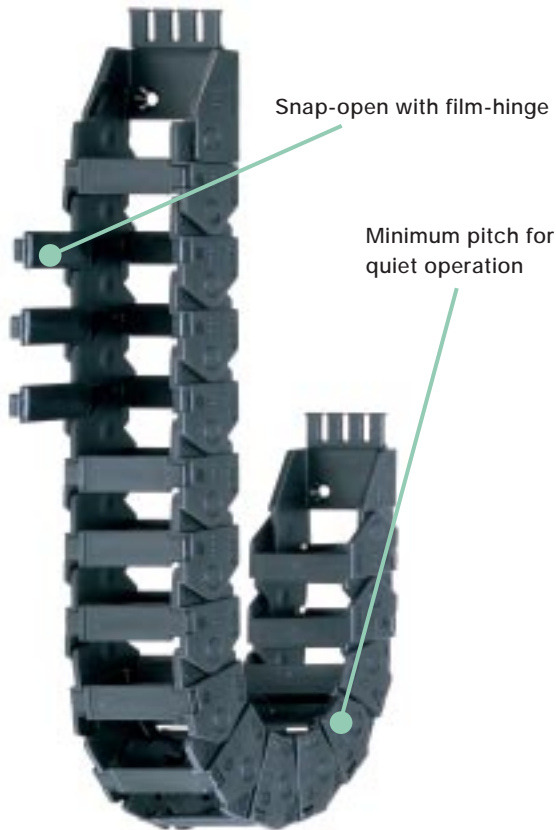
7 Widths  
5 Bending Radii



Interior separation possible

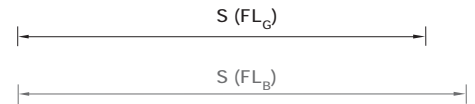
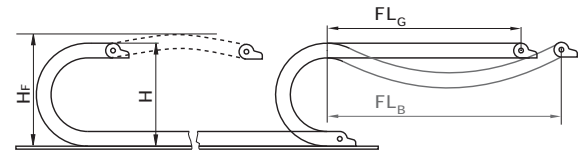


Mounting bracket with or without strain relief tiwrap plates



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):	1.89 (48), 2.48 (63), 2.95 (75), 3.94 (100), 4.92 (125)
Pitch:	1.20 (30.5 mm)/link = 10.06 links/ft (33 links/m) 39.6(1006.5 mm)



When to use the Series B17:

- If snap-open accessibility is required
- If a rather small chain with broad inner width is required
- If reverse bending radius is required

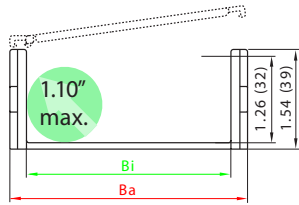


When not to use the Series B17:

- If quick cable/hose accessibility is required
  - ▶ Series 17 "Zipper", Chapter 3
- If quick insertion of cables with pre-assembled connectors is required
  - ▶ Series E16 "E-Z Chain", Chapter 2



Series B17 Energy Chain \*  
(snap-open along outer radius)

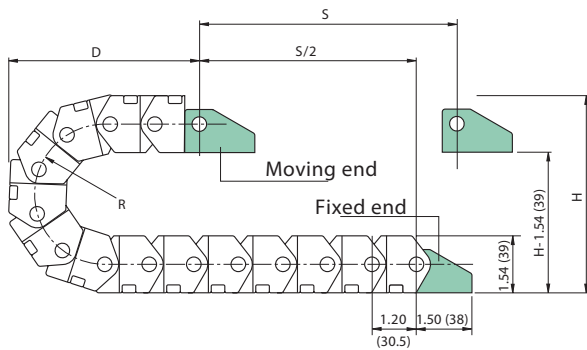


Part No.	Bi	Ba	Bending Radii for ALL Widths 1.89 (048)* 2.48 (063) 2.95 (075) 3.94 (100) 4.92 (125)
B17-1	.59 (15)	1.02 (26)	
B17-2	.98 (25)	1.42 (36)	
B17-3	1.50 (38)	1.93 (49)	
B17-4	1.97 (50)	2.40 (61)	
B17-5	2.48 (63)	2.99 (76)	
B17-6	3.15 (80)	3.66 (93)	
B17-7	3.94 (100)	4.45 (113)	

Supplement part no. with required radius  
for example, B17-1-063-0

\* Radius 048 only for B17-1 and B17-3 Others upon request

Installation Dimensions



R	1.89 (48)	2.48 (63)	2.95 (75)	3.94 (100)	4.92 (125)
H *	5.31 (135)	6.50 (165)	7.44 (189)	9.41 (239)	11.38 (289)
D	3.94 (100)	4.53 (115)	5.12 (130)	6.10 (155)	7.09 (180)
K	8.66 (220)	10.83 (275)	12.01 (305)	15.55 (395)	18.70 (475)

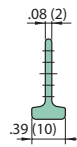
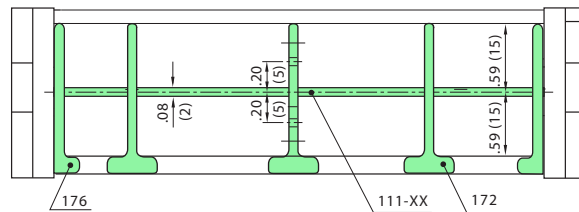
\*The required clearance height is  $HF = H + .98 (25)$  with 1.01 (1.5 kg/m) fill weight. Please consult igus is space is particularly restricted.

Pitch: = 1.20 (30.5 mm) per link  
 Links per ft (m): = 10.06 (33)  
 Chain length: =  $\frac{S}{2} + K$

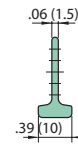
Interior Separation

Option 1: vertical separators

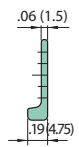
Separators are used when vertical compartmentalization of the Energy Chain \* is the only type of separation required. Spacers can be used on either side of each separator to maintain the distance between them. Spacers are necessary primarily with side-mounted chains.



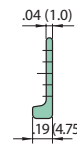
Vertical Separators, slotted  
for B17-1 to B17-4  
Unassembled Part No. 171  
Assembled Part No. 172



Vertical Separators, Slotted  
for B17-5 to B17-7  
Unassembled Part No. 173  
Assembled Part No. 174



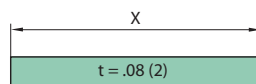
Side Plates  
for B17-1 to B17-4  
Unassembled Part No. 175  
Assembled Part No. 176



Side Plates  
for B17-5 to B17-7  
Unassembled Part No. 177  
Assembled Part No. 178

Option 2: full-width shelf

Full-width shelves are used with applications involving numerous thin cables with similar or identical diameters. This shelf slides into place and spans the entire width of the chain.

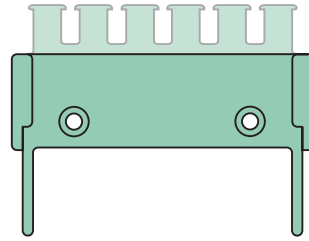
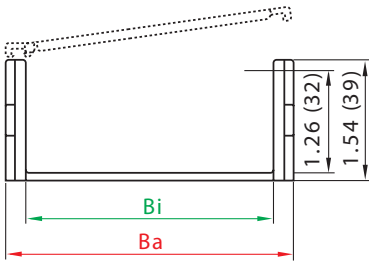


Width X in. (mm)	Part No. Unassembled	Part No. Assembled
.59 (015)	110-15	111-15
.98 (025)	110-25	111-25
1.50 (038)	110-38	111-38
1.97 (050)	110-50	111-50
2.48 (063)	110-63	111-63
3.15 (080)	110-80	111-80
3.94 (100)	110-100	111-100

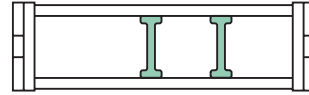


# Order Example and Technical Data: Series B17 E2 "mini"

## Order example

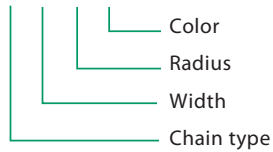


## B17-1...



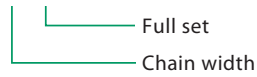
### 1. Chain selection:

B17-1-063-0



### 2. Mounting brackets:

117-1-12PZ

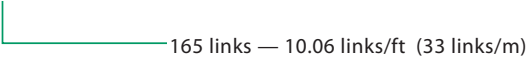


### 3. Interior separation:

2 separators unassembled (Part No. 171),  
or  
assembled every other link (Part No. 172).  
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) B17-1-063-0 and 117-1-12PZ and two separators 172 assembled every other link



## Technical data

Chain Type	Weight Per Link		Weight	
	(oz.)	(g)	(lbs/ft)	(kg/m)
B17-1	0.56	(16)	0.35	(≈ 0.52)
B17-2	0.63	(18)	0.40	(≈ 0.59)
B17-3	0.67	(19)	0.44	(≈ 0.65)
B17-4	0.74	(21)	0.47	(≈ 0.70)
B17-5	0.88	(25)	0.56	(≈ 0.83)
B17-6	0.98	(28)	0.62	(≈ 0.92)
B17-7	1.12	(32)	0.71	(≈ 1.06)

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

