

Price Index



6 Widths and
3 Bending Radii



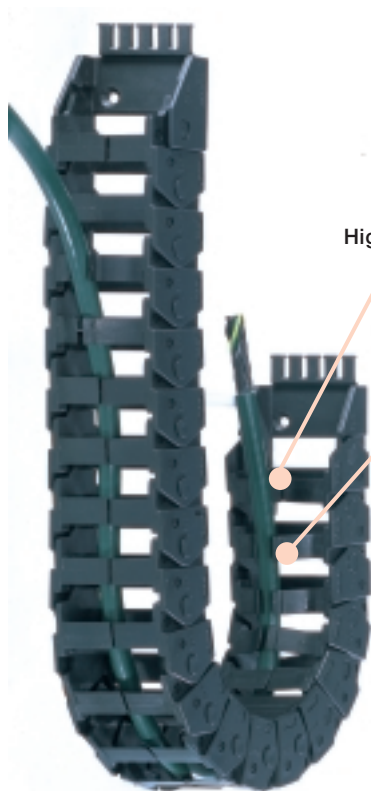
Mounting brackets with
and without integrated
strain relief



Quickfix: mounting
bracket with dowel
Call for availability

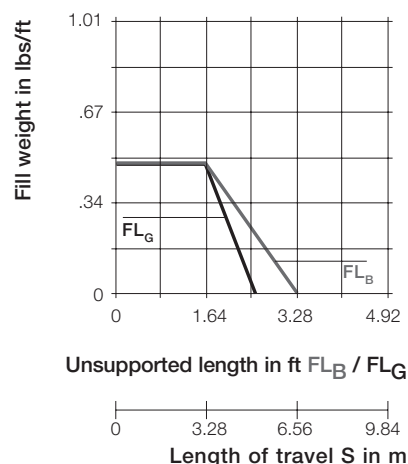


Quicksnap: the
complete unit,
detachable by hand
Call for availability



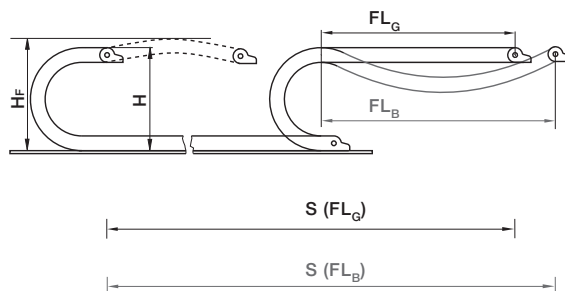
High torsional rigidity

Small pitch for very
smooth operation



Unsupported length

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



Product range:

Inner Widths (Bi) inches (mm):	.91 (23), 1.42 (36), 1.89 (48), 2.48 (63), 3.15 (80), 3.94 (100)
Bending Radii (R) inches (mm):	2.36 (60), 2.95 (75), 3.94 (100)
Pitch:	1.20 (30.5 mm)/link = 10.06 links/ft (33 links/m) 39.63 (1006.5mm)



When to use the Series E16/Z16:

- If price is an issue
- If fast and easy cable and hose accessibility is required
- If torsional rigidity and torque resistance are required
- If very quiet operation is required



When not to use the Series E16/Z16:

- If a long unsupported length is required
▶ Series 26/27/27i,
Chapter 4
- If single-extrusion crossbars are required
▶ Series 26/27/27i,
Chapter 4

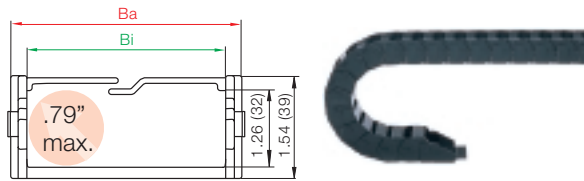
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Series E16/Z16 "E-Z Chain"



E16
Z16

E16 (split crossbar along outer radius)

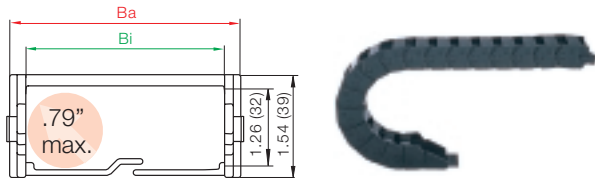


Part No.	Bi	Ba
E16-2-	.91 (23)	1.48 (37.5)
E16-3-	1.42 (36)	1.99 (50.5)
E16-4-	1.89 (48)	2.46 (62.5)
E16-5-	2.48 (63)	3.08 (78.3)
E16-6-	3.15 (80)	3.75 (95.3)
E16-7-	3.94 (100)	4.54 (115.3)

Bending Radii
for ALL Widths
2.36 (60)
2.95 (075)
3.94 (100)

Supplement part number with required radius
for example, E16-2-060-0

Z16 (split crossbar along inner radius)

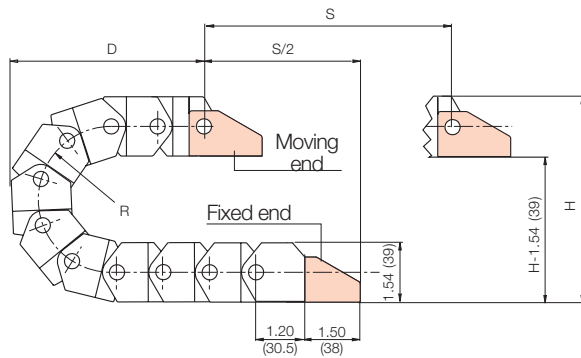


Part No.	Bi	Ba
Z16-2-	.91 (23)	1.48 (37.5)
Z16-3-	1.42 (36)	1.99 (50.5)
Z16-4-	1.89 (48)	2.46 (62.5)
Z16-5-	2.48 (63)	3.08 (78.3)
Z16-6-	3.15 (80)	3.75 (95.3)
Z16-7-	3.94 (100)	4.54 (115.3)

Bending Radii
for ALL Widths
2.36 (60)
2.95 (075)
3.94 (100)

Supplement part number with required radius
for example, Z16-2-060-0

Installation Dimensions



R	1.57 (040)**	2.36 (060)	2.95 (075)	3.94 (100)
H*	4.69 (119)	6.26 (159)	7.44 (189)	9.41 (239)
D	3.35 (85)	4.33 (110)	5.12 (130)	6.10 (155)
K	8.27 (210)	10.63 (270)	12.00 (305)	15.55 (395)

*The required clearance height is $HF = H + .59$ (15) with .20 lbs/ft (0.3 kg/m) fill weight. Please consult igus® if space is particularly restricted. **only for part number **Z16-3**

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

Mounting Brackets

Option 1:

- Without integrated strain relief



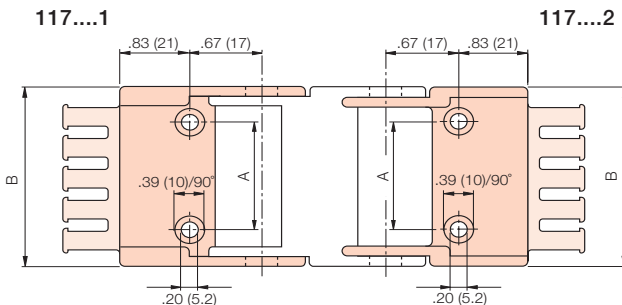
Option 2:

- With integrated strain relief

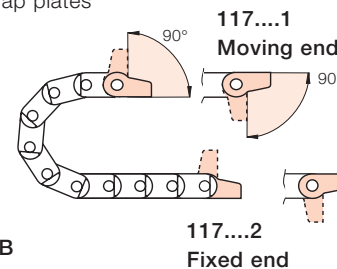


Standard mounting brackets

- One-piece, locking mounting bracket
- Corrosion-resistant
- Available pre-assembled
- Inner and outer attachment possible
- Available with integrated strain relief tie-wrap plates



117-2-12 – 117-4-12:
Center bores only
117-5-12 – 117-7-12:
Outer bores only



Chain Type	Part No. Full set with Tiewrap Plate	Part No. Mounting Bracket Set	Number of Teeth	Dimension A in. (mm)	Dimensions B in. (mm)
E16/Z16-2	117-2-12 PZ	117-2-12 P	3	.47 (12)	1.40 (35.5)
E16/Z16-3	117-3-12 PZ	117-3-12 P	4	.98 (25)	1.91 (48.5)
E16/Z16-4	117-4-12 PZ	117-4-12 P	5	1.46 (37)	2.38 (60.5)
E16/Z16-5	117-5-12 PZ	117-5-12 P	6	1.89 (48)	2.99 (76)
E16/Z16-6	117-6-12 PZ	117-6-12 P	8	2.56 (65)	3.66 (93)
E16/Z16-7	117-7-12 PZ	117-7-12 P	10	3.35 (85)	4.45 (113)

117...12 = Full set, each part with pin/bore
117... 1 = Mounting bracket with bore
117... 2 = Mounting bracket with pin

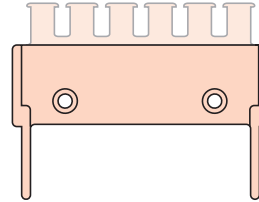
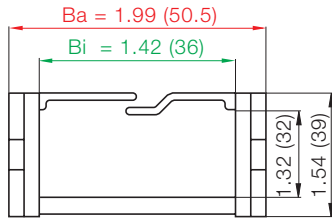


PDF: www.igus.com/echainpdf.asp
Specs/CAD/Samples/Size Selector/RFQ:
www.igus.com/echain.asp



Order example

E16-3



1. Chain selection:

E16-3-038-0

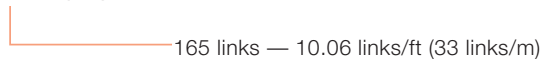


2. Mounting brackets:

117-3-12PZ - With integrated strain relief tiewrap plate



For 16.4 ft (5m) chain, color black, with mounting brackets:
16.4 ft (5m) E16-3-038-0 and 117-3-12PZ



**Click Here for
Specs &
CAD Files**

Technical data

Chain Type	Weight Per Link		Weight	
	(oz.)	(g)	(lbs/ft)	(kg/m)
E16/Z16-2	0.54	(≈ 15.5)	0.343	(≈ 0.51)
E16/Z16-3	0.61	(≈ 17.3)	0.383	(≈ 0.57)
E16/Z16-4	0.66	(≈ 18.8)	0.417	(≈ 0.62)
E16/Z16-5	0.79	(≈ 22.7)	0.504	(≈ 0.75)
E16/Z16-6	0.88	(≈ 25.1)	0.558	(≈ 0.83)
E16/Z16-7	0.97	(≈ 27.6)	0.612	(≈ 0.91)

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