

Price Index



6 Widths
3 Bending Radii

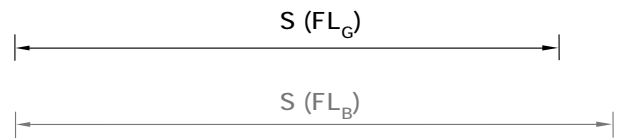
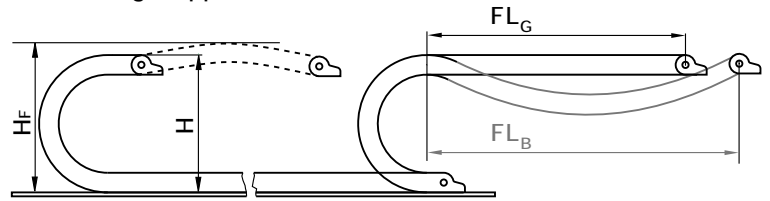


Product Range:

Inner Widths (B) in mm:	23, 36, 48, 63, 80, 100
Bending Radii (R) in mm:	060, 075, 100
Pitch:	30,5 mm/link = 33 links/m (1006,5 mm)

Unsupported length

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



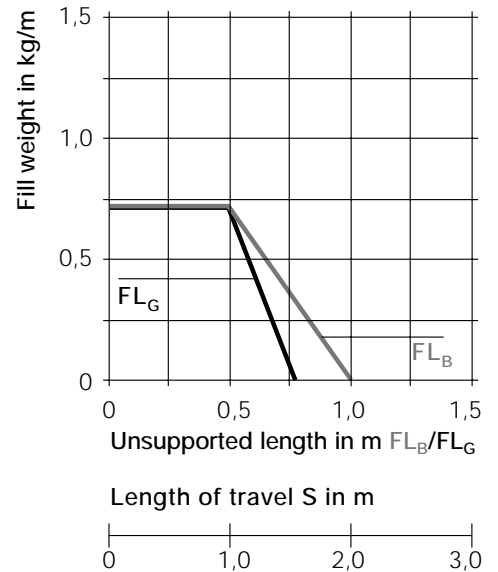
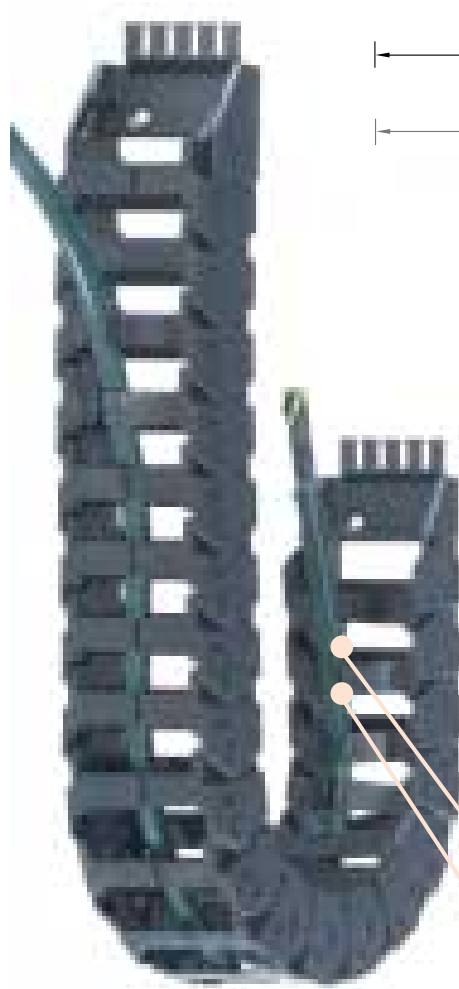
Mounting brackets with and without integrated strain relief



Quicksnap: the complete, detachable mounting unit



Quickfix: mounting bracket with dowel



High torsional rigidity

Small pitch for very smooth operation (50 links/m)



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

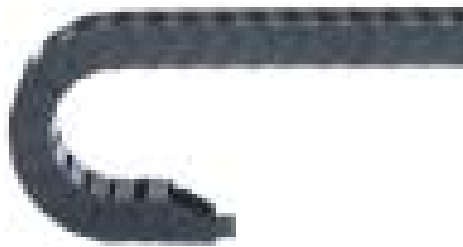
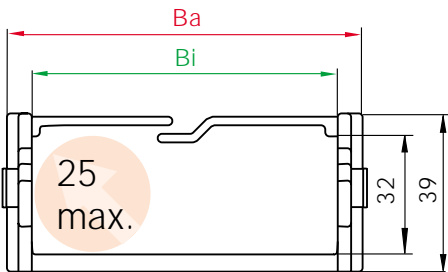


When not to use them:

- If a long unsupported length is required
 - ▶ Series 26/27/27i, Page 5.100
- If single-extrusion crossbars are required
 - ▶ Series 26/27/27i, Page 5.100

Product Range

E16 (split crossbar along outer radius)



Order Example



E16.2.060.0

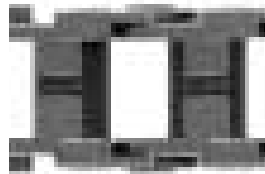
Standard color
0 = Black

Other colors
Design,
Page 1.62

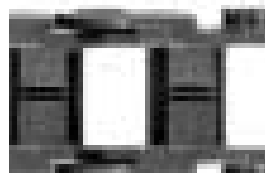
Part No.		Bi	Ba	Bending Radii for All Chain Widths		
E16.2.	Radius	23	37,5	060	075	100
E16.3.	Radius	36	50,5	060	075	100
E16.4.	Radius	48	62,5	060	075	100
E16.5.	Radius	63	78,3	060	075	100
E16.6.	Radius	80	95,3	060	075	100
E16.7.	Radius	100	115,3	060	075	100

Supplement part no. with required radius
for example, E16.2.60.0

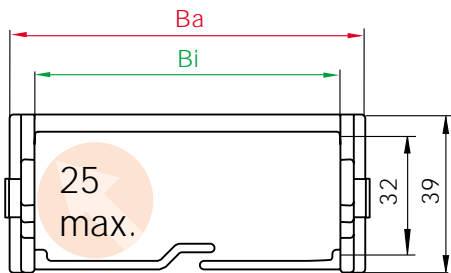
Special solution,
with large opening
Part No. E16.2.100N3



Special solution,
with large opening
Part No. Z16.2.075N3



Z16 (split crossbar along inner radius)

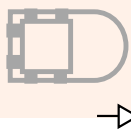


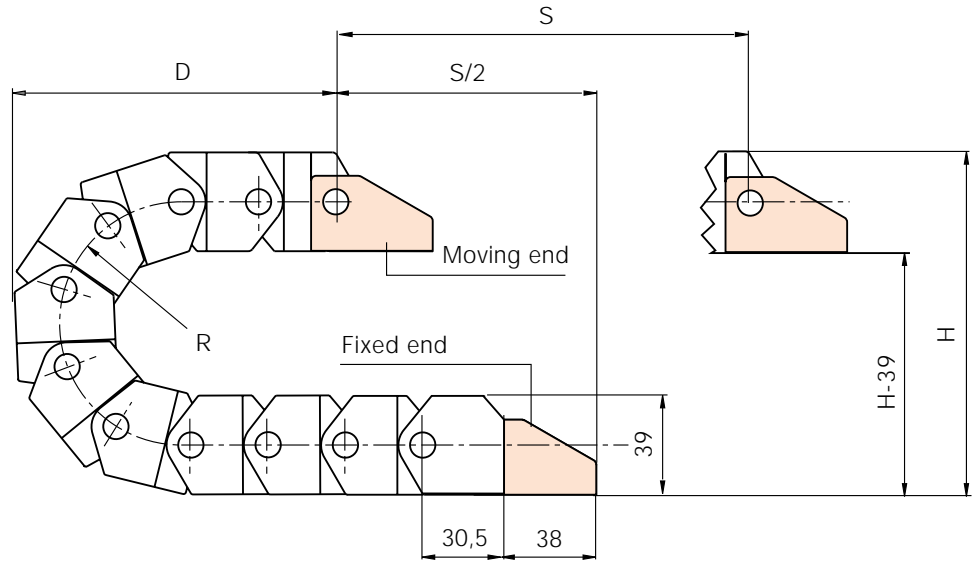
Part No.		Bi	Ba	Bending Radii for All Chain Widths		
Z16.2.	Radius	23	37,5	060	075	100
Z16.3.	Radius	36	50,5	060	075	100
Z16.4.	Radius	48	62,5	060	075	100
Z16.5.	Radius	63	78,3	060	075	100
Z16.6.	Radius	80	95,3	060	075	100
Z16.7.	Radius	100	115,3	060	075	100

Supplement part no. with required radius
for example, Z16.2.60.0

Easy Chain®

Phone +49- (0) 22 03 96 49-0
Fax +49- (0) 22 03 96 49-222

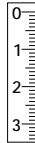




Pitch: = 30,5 mm per link

Links per m: = 33

Chain length: = $\frac{S}{2} + K$



R	040**	060	075	100
H*	119	159	189	239
D	85	110	130	155
K	210	270	305	395

*The required clearance height is HF = H + 15 (with 0,3 kg/m fill weight).

Please consult igus® if space is particularly restricted.

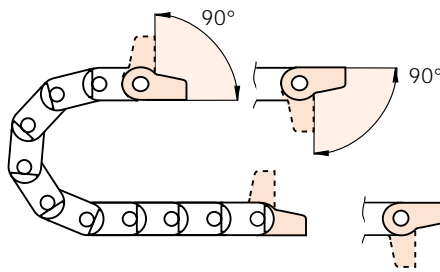
** Only Part No. Z16.3

Mounting Brackets: Series E16/Z16 "Easy Chain"

Polymer, One-Piece

- Standard
- One-piece mounting bracket
- Corrosion-resistant
- Available pre-assembled
- Inner and outer attachment possible
- Available with integrated strain relief tiwrap plates

117....1
Moving end



117....2
Fixed end

2 options for all applications

Option 1:

- Without integrated strain relief

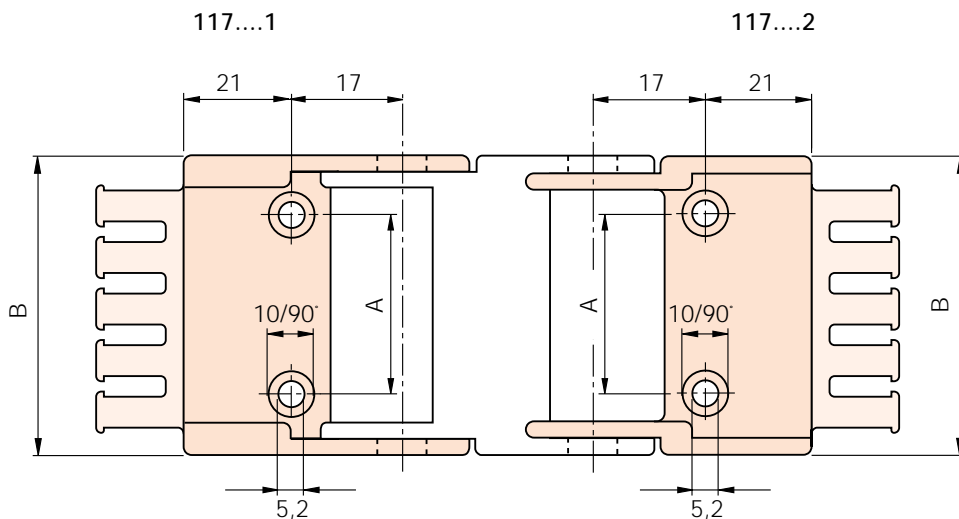
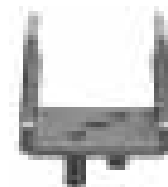


Option 2:

- With integrated strain relief

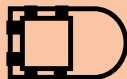


- Quickfix: with dowel for fast mounting available upon request



Chain Type	Part No. Full Set with Strain Relief Tiewrap Plate	Part No. Mounting Bracket Set	Number of Teeth	Dimension A in mm	Dimension B in mm
E16/Z16.2	117.2.12 PZ	117.2.12 P	3	12	35,5
E16/Z16.3	117.3.12 PZ	117.3.12 P	4	25	48,5
E16/Z16.4	117.4.12 PZ	117.4.12 P	5	37	60,5
E16/Z16.5	117.5.12 PZ	117.5.12 P	6	48	76
E16/Z16.6	117.6.12 PZ	117.6.12 P	8	65	93
E16/Z16.7	117.7.12 PZ	117.7.12 P	10	85	113

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

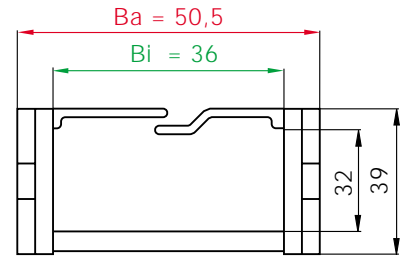


Order Example

08.30...

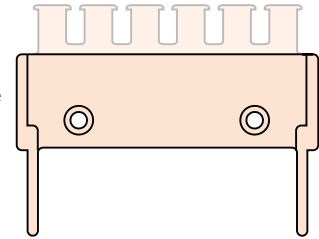
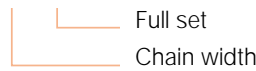
1. Chain selection:

E16.3.038.0



2. Mounting brackets:

117.3.12 PZ - with integrated strain relief tiwrap plate



For 5 m chain, color black, with mounting brackets:
5 m E16.30.038.0 and 0160.30.12 PZ



Technical Data

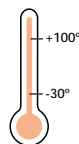
Chain Type	Weight Per Link (g)	Weight Per Meter (kg)
E16/Z16.2	≈ 15,5	≈ 0,51
E16/Z16.3	≈ 17,3	≈ 0,57
E16/Z16.4	≈ 18,8	≈ 0,62
E16/Z16.5	≈ 22,7	≈ 0,75
E16/Z16.6	≈ 25,1	≈ 0,83
E16/Z16.7	≈ 27,6	≈ 0,91



The following applies to all series listed here:

Material (chain)	igumid NB
Material (mounting brackets)*	igumid G
Permitted temperature °C	-30/+100
Gliding speed (maximum) m/s	Conditionally suitable
Unsupported v (maximum) m/s	10
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, Page 1.61