

igus® Energy Chain
Systems®

Price Index



3 Widths
5 Bending Radii



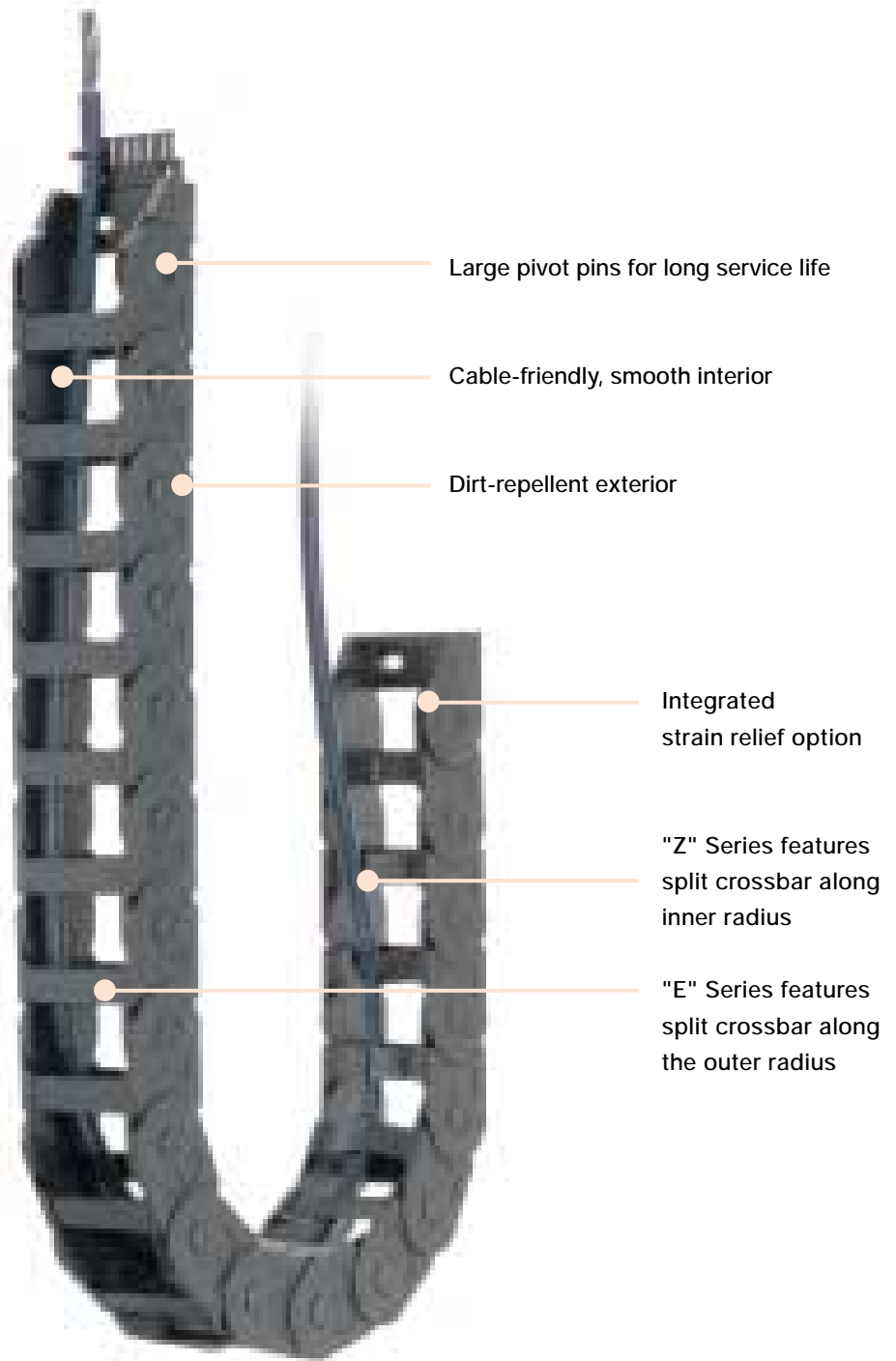
3 options for
mounting brackets



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When to use the Series E26/Z26:

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

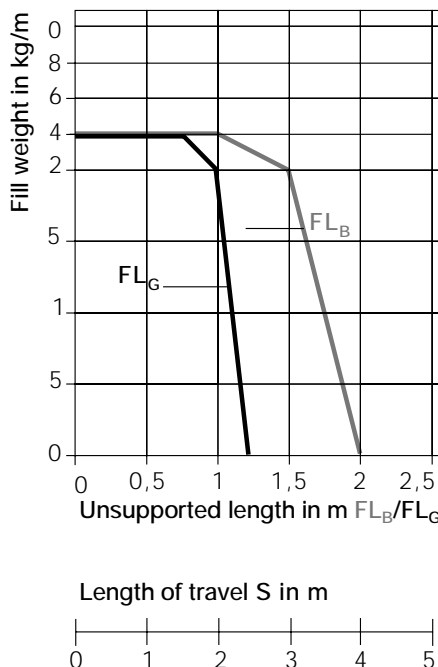
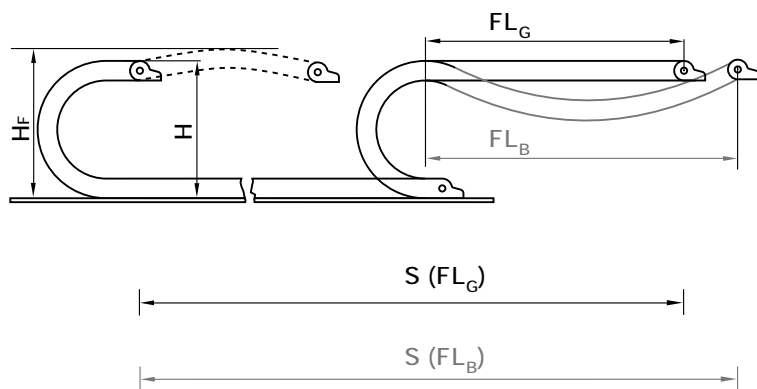
Product Range:

Inner Widths (Bi) in mm:	1 x 75, 2 x 48, 3 x 47
Bending Radii (R) in mm:	63, 75, 100, 125, 150, 175, 200, 250
Pitch:	56 mm/link = 18 links/m (1008 mm)

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Unsupported length

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



Unsupported Energy Chains® ► **Design, Page 1.8** feature positive camber over short travels. This must be accounted for when specifying the clearance height. Please refer to the **Installation Dimensions** section for further details.

If the unsupported length is exceeded, the Energy Chain® must glide on itself. This requires a guide trough.

► **Design, Page 1.18.**

The "E" Series is conditionally suitable for gliding applications. The "Z" Series is not suitable

Other installation methods

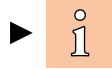
Vertical, hanging	= max. 10 m
Vertical, standing	= max. 1,5 m
Side mounted, unsupported	= max. 0,5 m
Rotary	= requires further calculation

- Further information
- Design, Page 1.1



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Order Example

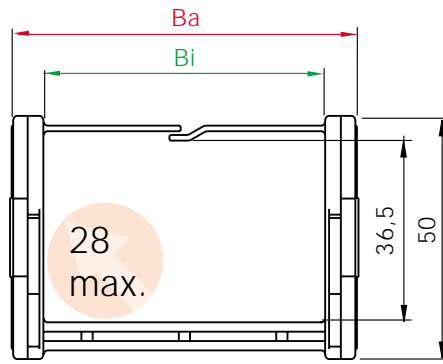


E26.07.150.0

Standard color
0 = Black

Other colors
Design,
Page 1.62

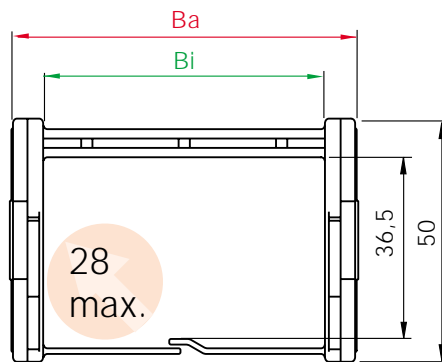
Series E26 (split crossbar along the outer radius)



Part No.		Bi	Ba	Bending Radii
E26.07	Radius	75	92	063 075 100 125 150 175 250

Supplement part no. with required radius
for example, E26.07.150.0

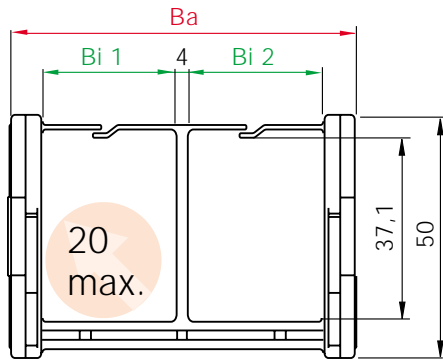
Series Z26 (split crossbar along inner radius)



Part No.		Bi	Ba	Bending Radii
Z26.07	Radius	75	92	063 075 100 125 150 175 250

Supplement part no. with required radius
for example, Z26.07.150.0

Series E26 with 2-Chamber System

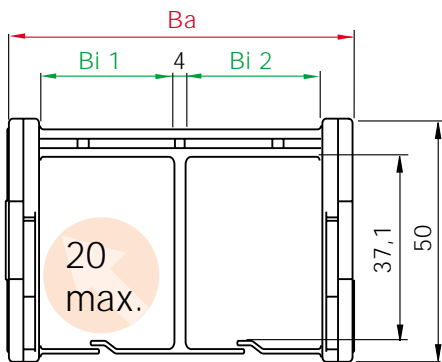


Part No.	Bi1	Bi2	Ba	Bending Radii
E26.2/45. Radius	48	48	117	063 075 100 125 150 200

Supplement part no. with required radius
for example, E26.2/45.150.0

Inner widths of chambers
Number of chambers

Series Z26 with 2-Chamber System



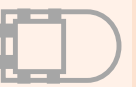
Part No.	Bi1	Bi2	Ba	Bending Radii
Z26.2/45. Radius	48	48	117	063 075 100 125 150 200

Supplement part no. with required radius
for example, Z26.2/45.150.0

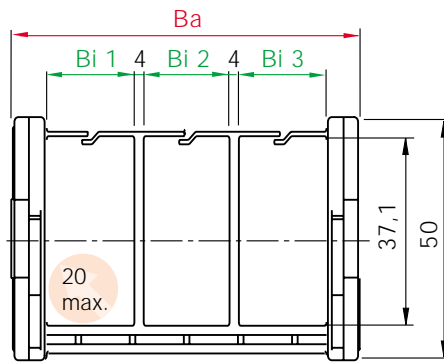
Inner widths of chambers
Number of chambers

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Series E26 with 3-Chamber System

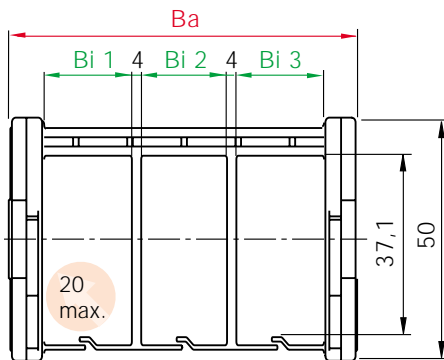


Part No.	Bi1	B2	B3	Ba	Bending Radii
E26.3/45.Radius	47	48	47	167	063 075 100 125 150 175 250

Supplement part no. with required radius
for example, E26.3/45.150.0

Inner widths of chambers
Number of chambers

Series Z26 with 3-Chamber System



Part No.	Bi1	B2	B3	Ba	Bending Radii
Z26.3/45.Radius	47	48	47	167	063 075 100 125 150 175 250

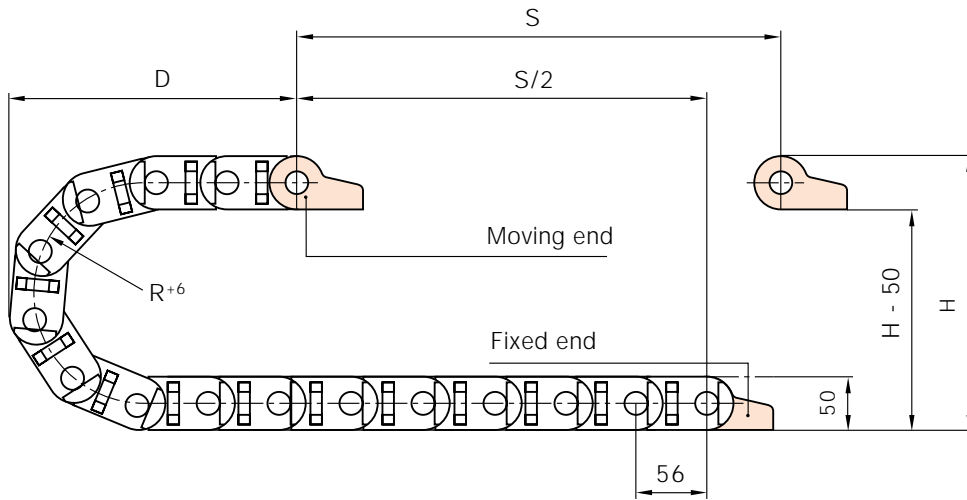
Supplement part no. with required radius
for example, Z26.3/45.150.0

Inner widths of chambers
Number of chambers

Installation Dimensions: Series E26/Z26 "Easy Chain®"



E26
Z26

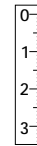


Pitch: = 56 mm per link

Links per m: = 18

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

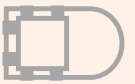
R	63	75	100	125	150	175	200	250
H*) ₀ ⁺⁵	180	200	250	300	350	400	450	550
D	140	150	175	200	225	250	275	325
K	335	375	475	550	650	750	825	925



*The required clearance height is HF = H + 35 mm (with 2 kg/m fill weight).
Please consult igus® if space is particularly restricted.

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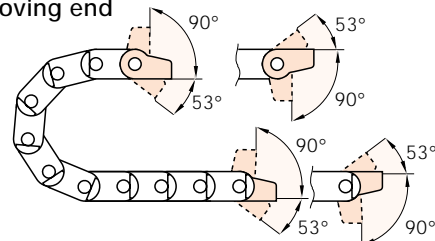
2 options for all applications

Option 1: Pivoting

- Standard
- Pivoting
- Short and long travels
- Confined installation conditions
- Corrosion-resistant
- Locked connections
- Vertical, hanging / standing unsupported

26....3PZB

Moving end



26....4PZB

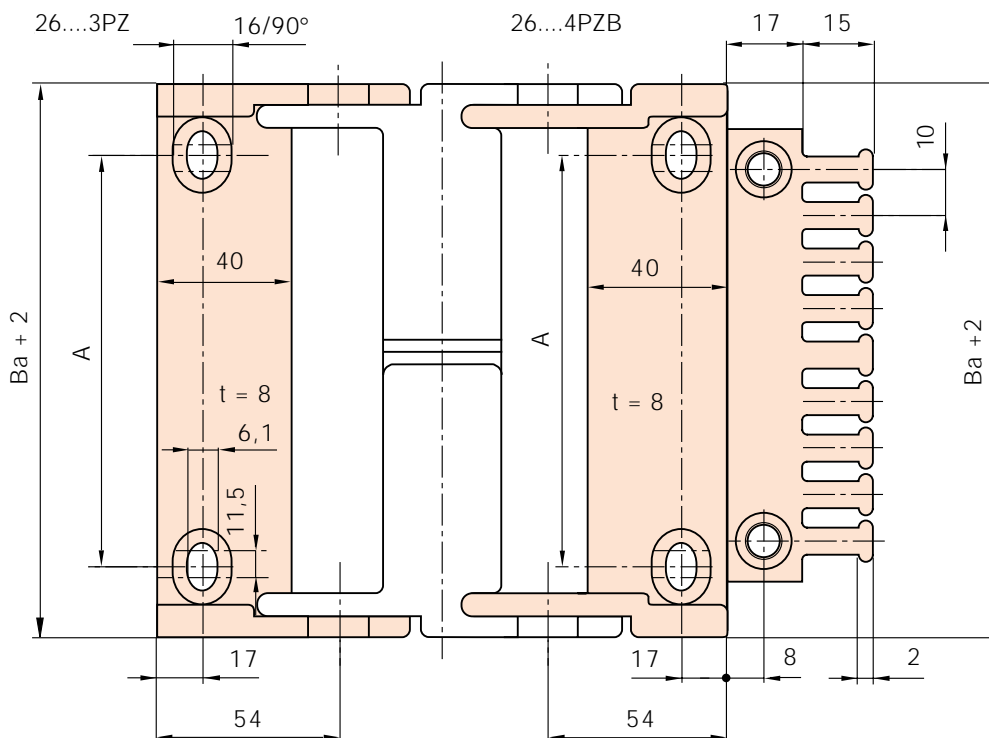
Fixed end

Option 1: Polymer pivoting*

- Standard



*Photograph shows chain links of Series 27 with identical mounting brackets



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Chain Type	Part No. Full Set, with Tiewrap Plates	Part No. with Tiewrap Plate 10 Cable Tiewraps	Part No. Mounting Bracket Set	Dimension A in mm
E/Z26.07	2607.34PZB	2607.34PZBK1	2607.34PZ	55
E/Z26.2/45	2610.34PZB	2610.34PZBK1	2610.34PZ	80
E/Z26.3/45	2615.34PZB	2615.34PZBK1	2615.34PZ	130

26...34 PZB = Full set, 1 part each with pin , including tiewrap plate / bore including tiewrap plate

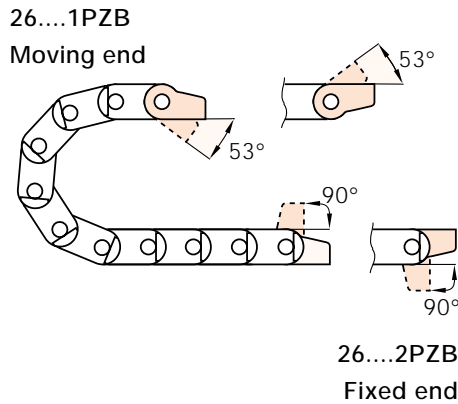
26...3 PZB = Mounting bracket with bore, including tiewrap plate

26...4 PZB = Mounting bracket with pin, including tiewrap plate

Mounting Brackets

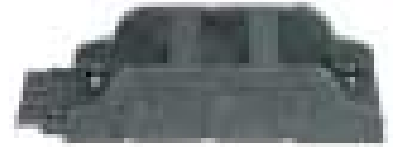
Option 2: Locking

- Locked connections
- Vertical, hanging / vertical travel
- High accelerations
- Corrosion-resistant
- If the 1st chain link must pivot
- Gliding applications

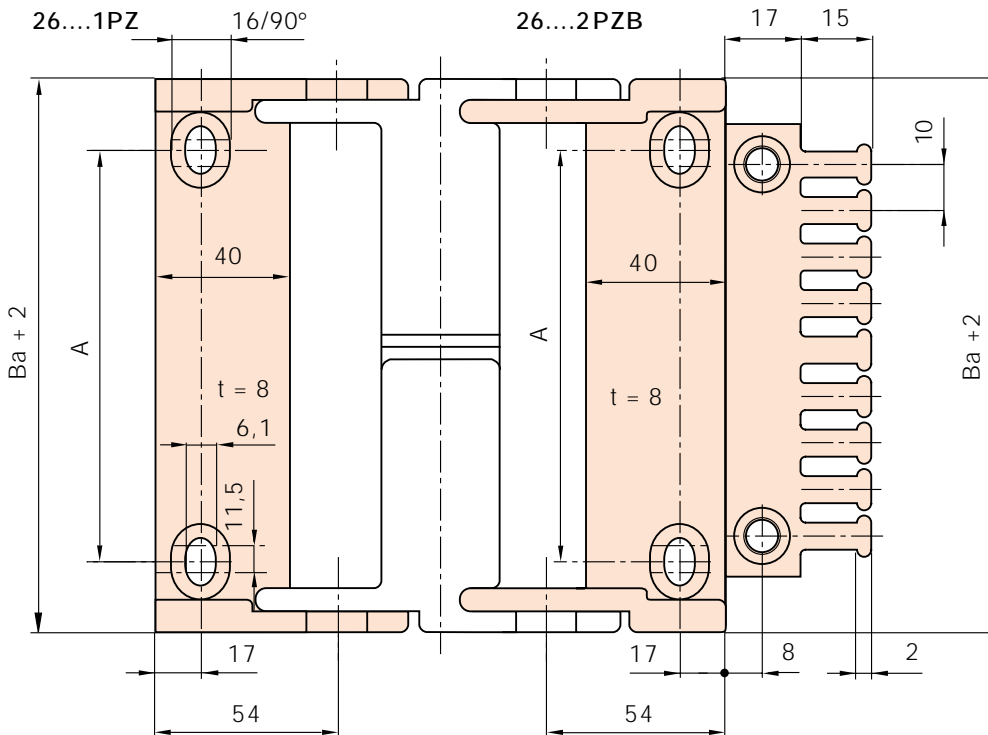


Option 2: Polymer locking*

- Locked connection



*Photograph shows chain links of Series 27 with identical mounting brackets



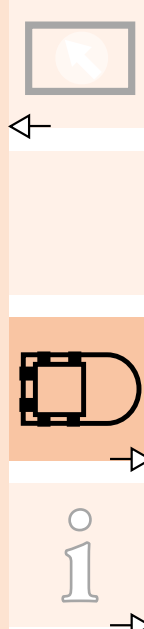
Chain Type	Part No. Full Set, with Tiewrap Plates	Part No. with Tiewrap Plates 10 Cable Tiewraps	Part No. Mounting Bracket Set	Dimension A in mm
E/Z26.07	2607.12PZB	2607.12PZBK1	2607.12PZ	55
E/Z26.2/45	2610.12PZB	2610.12PZBK1	2610.12PZ	80
E/Z26.3/45	2615.12PZB	2615.12PZBK1	2615.12PZ	130

26...12 PZB = Full set, 1 part each with pin, including tiewrap plate / bore including tiewrap plate

26...1 PZB = Mounting bracket with bore, including tiewrap plate

26...2 PZB = Mounting bracket with pin, including tiewrap plate

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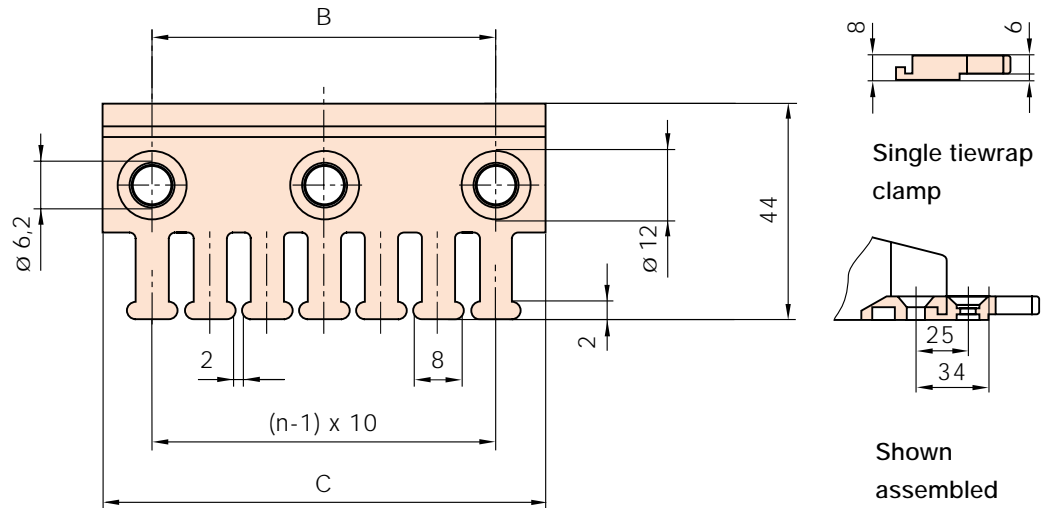
- Other strain relief elements
 - ▶ Strain Relief
- Page 9.97

Strain Relief for Polymer Mounting Brackets (pivoting or locking)

The strain relief tiewrap plates can be directly snapped onto the mounting bracket. After bolting the mounting brackets to the machine, the strain relief tiewrap plates are also firmly connected to the base. They do not need to be bolted on separately. Cable tiewraps secured the tiewrap plate "teeth" and the cable provide proper strain relief and save time.



Tiewrap Plate as Individual Part



Tiewrap Plate	n Number of Teeth	C Total Width	B Hole Spacing	Center Bore
3050.ZB	5	50 mm	30 mm	no
3075.ZB	7	75 mm	55 mm	no
3100.ZB	10	100 mm	80 mm	no
3125.ZB	12	125 mm	105 mm	no
3150.ZB	15	150 mm	130 mm	no
3175.ZB	17	175 mm	155 mm	no
3200.ZB	20	200 mm	180 mm	yes

Cable Tiewraps as Individual Part

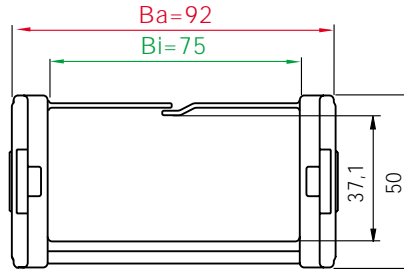
Cable tiewraps 100 Pieces/Bag	Width x Length	Max. Ø	Tensile Strength
CFB.001	4,8 x 150 mm	36 mm	222 N

Order Example

1. Chain selection:

E26.07.150.0

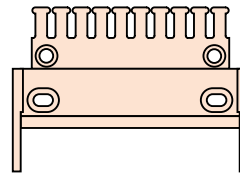
- Color black
- Radius
- Width
- Chain type
- Split crossbar along the outer radius



2. Mounting brackets:

2607.34.PZB

- With tiwrap plates
- Full set, pivoting
- Chain width



For 2 m chain, color black,
with pivoting mounting brackets:

2 m E26.07.150.0 and 2607.34PZ

30 links (22 links/m)



Technical Data

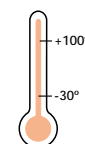
Please consult igus® for weight information



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

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