Easy Chain® | **Series E06·Z06**

10,7 | 10,5

Price index

IPA Qualification Certificate:
Air Cleanless Class ISO Class 2
(at v = 1 m/s) upon request

UL94-V2
classifications

Torsional
motion possible

Special equipment:
Electrically conductive ESD/ATEX
version upon request

1. Very easy to fill - ideal for harnessed cable assemblies
2. Small pitch for low-noise, smooth operation
3. Limited torsion tolerance
4. Very light weight
5. The patented push-button principle holds the links together
6. Cable -friendly smooth interior
7. "E" Series features split crossbar along the outer radius
8. "Z" Series features split crossbar along the inner radius
9. Integrated strain relief option

Special solution -
opening gap 3,5 mm
Part No. E06.10.018S3

Just push the cables with your thumb into the E-Chain® - and it's ready

When to use the Series E06/Z06:

- If filling is required without opening and closing lids
- If price is an issue
- If quiet operation is required

When not to use it:

- For applications with very high loads and long unsupported travel lengths
  ▶ **Series 06 E2 micro, page 5.26**
- "Z" Series is unsuitable for gliding applications
  ▶ **Series 07 Zipper, page 4.10**

Order example complete E-Chain®

Please indicate chain-lenghts or number of links **Example: 1 m or 50 links**

1 m **E06.10.038.0**	**E-Chain®**
1 set **060.10.12**	**Mounting bracket**

Available from stock. Delivery in 24h or today! (Delivery time means time until shipping of goods)

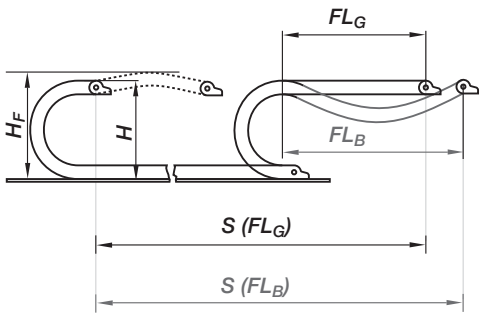
Phone +49- (0) 22 03-96 49-800
Fax +49- (0) 22 03-96 49-222

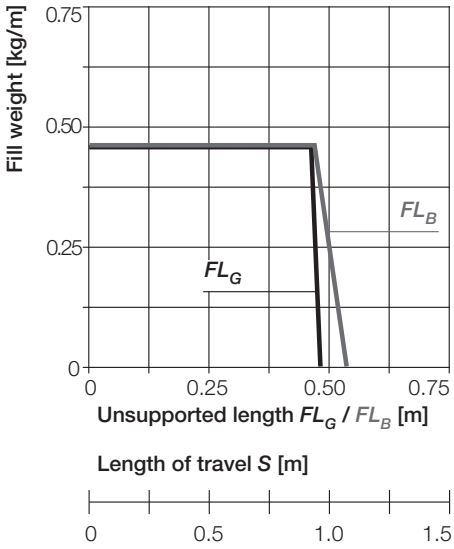
Unsupported length

FL_G = with straight upper run

FL_B = with permitted sag

Further information ▶ **Design, page 1.12**





S = Length of travel

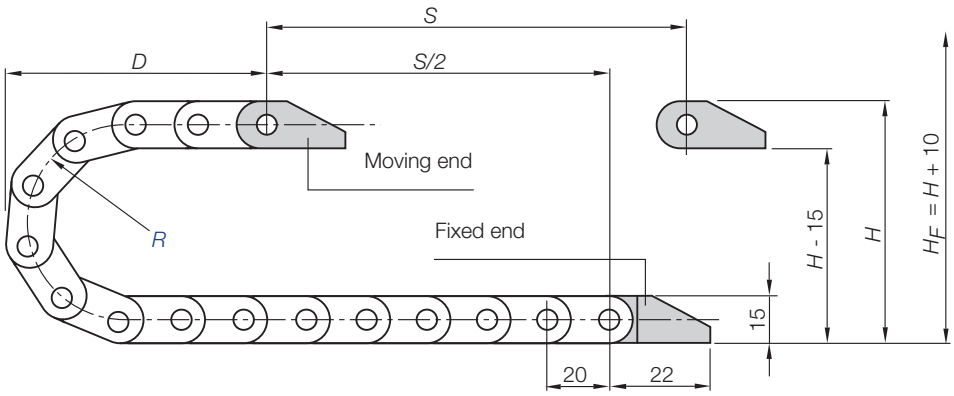
R = Bending radius

H = Nominal clearance height

H_F = Required clearance height

D = Overlength E-Chain® radius in final position

K = $\pi \bullet R$ + "safety"



Short travels - unsupported

Unsupported E-Chains® feature positive camber over short travels. This must be accounted for when specifying the clearance height H_F. Please consult igus® if space is particularly restricted.

Pitch = 20 mm/link **Links/m** = 50 (1.000 mm) **Chain length** = $^{S}/_{2}$ + ***K***

R	018	028	038
H	52	70	90
D	40	50	60
K	95	120	145

The required clearance height:
$H_F = H + 10$ mm
(with 0,2 kg/m fill weight)

Speed / acceleration FL_G	max. 20 [m/s] / max. 200 [m/s²]
Speed / acceleration FL_B	max. 3 [m/s] / max. 6 [m/s²]
Gliding speed / acceleration (maximum)	max. 3 [m/s] / max. 10 [m/s²]
Material (E-Chain®)- permitted temperature °C	igumid NB / -40° up to +80° C
Material (mounting brackets)* - permitted temperature °C	igumid G / -40° up to +120° C
Flammability class (E-Chain®), igumid NB	VDE 0304 IIC UL94 V2
Flammability class (mounting brackets), igumid G*	VDE 0304 IIC UL94 HB

*Available in igumid NB upon request, please consult igus® for delivery time

Technical Data

Details of material properties ▶ page 1.38

▶ page 3.5

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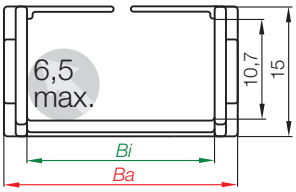
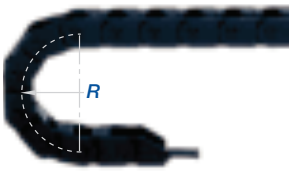




Series E06 - split crossbar along the outer radius

Standard

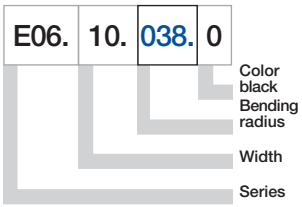
Part No.	Bi [mm]	Ba [mm]	R [mm] Bending radii			Weight [kg/m]
E06.10.□.0	10	16,5	018	028	038	≈ 0,14
E06.16.□.0	16	22,5	018	028	038	≈ 0,16
E06.20.□.0	20	26,5	018	028	038	≈ 0,18

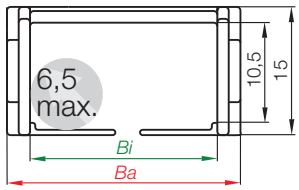
Ba: pin dimension approx. 0,2 - 0,4 mm wider!

Supplement Part No. with required radius. Example: E06.10.038.0

0 = standard color, other colors ▶ page 1.39 · Pitch = 20 mm/link - Links/m = 50

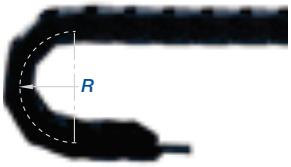
Part No. structure





Series Z06 - split crossbar along the inner radius

Part No.	Bi [mm]	Ba [mm]	R [mm] Bending radii			Weight [kg/m]
Z06.10.□.0	10	16,5	018	028	038	≈ 0,14
Z06.16.□.0	16	22,5	018	028	038	≈ 0,16
Z06.20.□.0	20	26,5	018	028	038	≈ 0,18



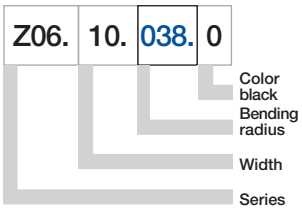
Ba: pin dimension approx. 0,2 - 0,4 mm wider!

The width ***Bi* 20** is available upon request. Time of delivery approx. 6-8 weeks after order.

Supplement Part No. with required radius. Example: Z06.10.038.0

0 = standard color, other colors ▶ page 1.39 · Pitch = 20 mm/link - Links/m = 50

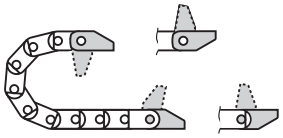
Part No. structure



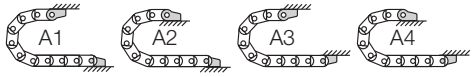
Polymer, one-piece

- One-piece mounting bracket
- Corrosion-resistant
- Available preassembled
- Inner and outer attachment possible
- Available with integrated strain relief tiewrap plates

Moving end with bore (outer link) 060...1(PZ)

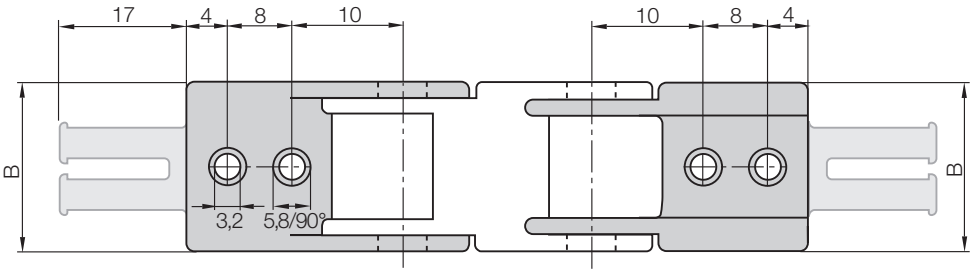


060...2(PZ) Fixed end with pin (inner link)



Possible installation conditions for assembled mounting brackets ▶ Order example "preassembled" below

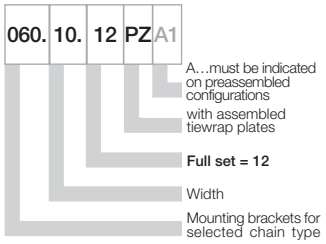
060...1(PZ) Moving end | **060...2(PZ) Fixed end**



Dimensions and order configurations

Strain relief is possible on the moving end and/or the fixed end.

Part No. structure



For E-Chain®	Part No. full set **with** tiewrap plate	Part No. full set **without** tiewrap plate	Number of teeth	Dim. B [mm]
E06·Z06.10. ▶	060.10. 12 PZ	060.10. 12	1	16,5
E06·Z06.16. ▶	060.16. 12 PZ	060.16. 12	2	22,5
E06.20. ▶	060.20. 12 PZ	060.20. 12	2	27

For the **preassembled** mode please add the index A1 ... A4 **e.g. 060.10. 12 PZ A1**

Full set, for both ends:
060. 10. 12 PZ +tiewrap plate

Single-part order:
060. 10. 1 PZ +tiewrap plate
Mounting bracket **with bore**
060. 10. 2 PZ +tiewrap plate
Mounting bracket **with pin**

Additional Features

Quicksnap - the complete, detachable mounting unit, available upon request

Quickfix - mounting bracket with dowel, available upon request

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▶ page 3.5