



Price index



IPA Qualification Certificate:
Cleanroom test
upon request



Special equipment:
Electrically conductive ESD/ATEX
version upon request



UL94-V2 classifications
upon request



Easy to assemble and to disassemble



When to use the Series 06:

- High torsional rigidity
- If price is an issue
- If connection options are required
(Quicksnap, Quickfix, ...)



When not to use it:

- If snap-open links are required
 - ▶ Series 07 Zipper, page 4.10
 - ▶ Series B07 E2 micro, page 5.30
- If quick insertion of cables with preassembled connectors is required
 - ▶ Series E06 Easy Chain®, page 3.20
- If very quiet operation is required
 - ▶ Series 045 E2 micro, page 5.18

- ① High torsional rigidity
- ② Very light weight - low price
- ③ Dirt-repellent exterior
- ④ Mounting bracket with integrated strain relief
- ⑤ Easy to fill configuration
- ⑥ Snap-open configuration
- ▶ Series E06 Easy Chain®, page 3.20
- ⑦ Molded-in separator available
- ▶ Series B07 Zipper, page 4.10
- ▶ Series B07 E2 micro, page 5.30
- ⑦ Molded-in separator available
Series 06.16.018.S1



Order example complete E-Chain®

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

1 m 06.20.038.0



E-Chain®

1 set 060.20.12PZ



Mounting bracket

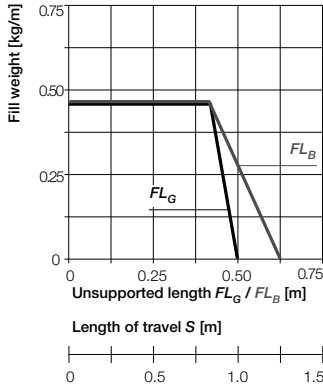
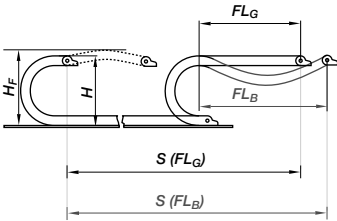


Unsupported length

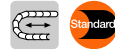
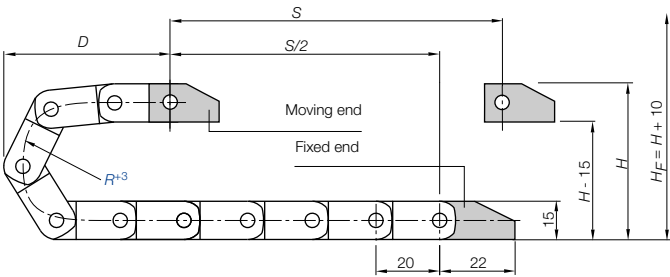
FL_G = with straight upper run

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
- $K = \pi \cdot R + \text{"safety"}$



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 = $S/2 + K$

	018	028	038
R			
H	52	72	92
D	45	55	65
K	100	140	160

The required clearance height:
 $H_F = H + 10 \text{ mm}$
 (with 0.2 kg/m fill weight)



E2 micro
 Inner height: 10,5 mm

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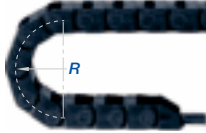
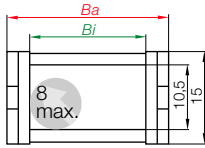
► page 5.9

Speed / acceleration FL_G	max. 20 [m/s] / max. 200 [m/s ²]
Speed / acceleration FL_B	max. 3 [m/s] / max. 6 [m/s ²]
Gliding speed / acceleration (maximum)	max. 3 [m/s] / max. 10 [m/s ²]
Material - permitted temperature °C	igumid G / -40° up to +120° C
Flammability class, igumid G	VDE 0304 IIC UL94 HB

Technical Data



Details of material properties
 ► page 1.38



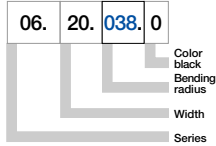
Series 06 E-Chain® - non snap-open

Part No.	Bl [mm]	Ba [mm]	R [mm]	Bending radii	Weight [kg/m]
06.06.□.0	6	12,5	018 028 038		≈ 0,13
06.10.□.0	10	16,5	018 028 038		≈ 0,14
06.16.□.0	16	22,5	018 028 038		≈ 0,16
06.20.□.0	20	27,0	018 028 038		≈ 0,17
06.30.□.0	30	37,0	018 028 038		≈ 0,20
06.40.□.0	40	47,0	018 028 038		≈ 0,23
06.50.□.0	50	57,0	018 028 038		≈ 0,26
06.64.□.0	64	71,0	018 028 038		≈ 0,30

Supplement Part No. with required radius. Example: 06.20.□.038.0

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

Part No. structure

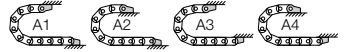
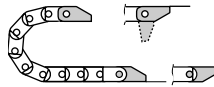




Polymer, one-piece

- One-piece mounting bracket
- Corrosion-resistant
- Available preassembled
- Inner and outer attachment possible
- Available with or without strain relief tiewrap plates

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

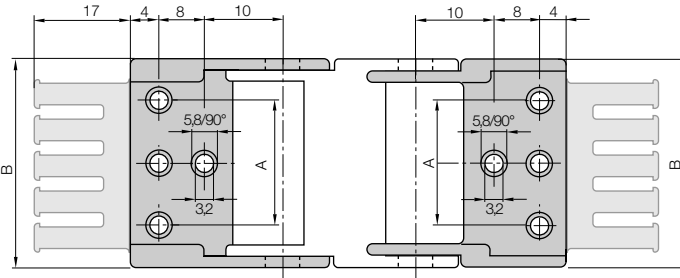


060...2(PZ) Fixed end
with pin (inner link)

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

060...1(PZ)
Moving end

060...2(PZ)
Fixed end



060.06.12 - 060.20.12: center bores only
060.30.12 - 060.64.12: outer bores only

For E-Chain®	Part No. full set with tiewrap plate	Part No. full set without tiewrap plate	Number of teeth	Dim. A [mm]	Dim. B [mm]
06.06. ▶	060.06. 12 PZ	060.06. 12	1	-	12,5
06.10. ▶	060.10. 12 PZ	060.10. 12	1	-	16,5
06.16. ▶	060.16. 12 PZ	060.16. 12	2	-	22,5
06.20. ▶	060.20. 12 PZ	060.20. 12	2	-	27,0
06.30. ▶	060.30. 12 PZ	060.30. 12	3	22	37,0
06.40. ▶	060.40. 12 PZ	060.40. 12	4	32	47,0
06.50. ▶	060.50. 12 PZ	060.50. 12	5	42	57,0
06.64. ▶	060.64. 12 PZ	060.64. 12	6	56	71,0

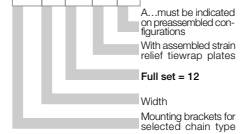
For the preassembled mode please add the index A1 ... A4 e.g. 060.20. 12 PZ A1

Dimensions and order configurations

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

Part No. structure

060.20. 12 PZ A1



Full set, for both ends:

060.20. 12 PZ +tiewrap plate

Single-part order:

060.20. 1 PZ +tiewrap plate

Mounting bracket with bore

060.20. 2 PZ +tiewrap plate

Mounting bracket with pin



Quicksnap - the complete, detachable mounting unit, upon request

Part No. 060.10.QS, Art. Nr. 060.16.QS,

Part No. 060.20.QS, Art. Nr. 060.40.QS



Quickfix - mounting bracket with dowel, upon request

Additional Features

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