

Price Index



Series 07

Special Features / Options



Upon request: Cleanroom Class 1
(ISO class 3) tested by the Dryden
Engineering Company, CA

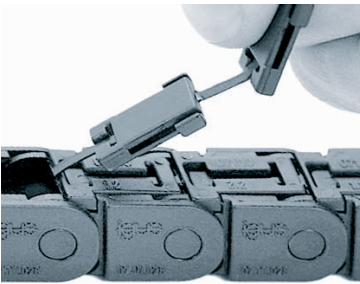


Flammability Class
VDE 0304 IIC UL94 HB



Low-noise

Assembly Tips



“Zipper-fast” opening and closing

Usage Guidelines



- If fast, zipper-like accessibility to cables is required
- If quiet operation is required
- If aesthetic design is required
- If excellent service life is required



- If a more cost-effective, openable E-Chain is required
 - **Series B07 E2 Micro**
- If cable installation without opening lids is possible
 - **Series E06 E-Z Chain**
- If a closed tube system is required
 - **Series R07 E2 Zipper Tube**

Features & Benefits

- 1 Mounting bracket with integrated strain relief
- 2 Zipper lids can be separated and joined at each link
- 3 Small pitch for low-noise and smooth operation
- 4 ‘Zipper-fast’ opening and closing
- 5 For high acceleration
- 6 Lightweight



Order Example: Complete E-Chain®

Please indicate chain length or number of links. Example:

3.28 ft (1 m) 07-20-038-0



E-Chain®

1 Set 060-20-12PZ



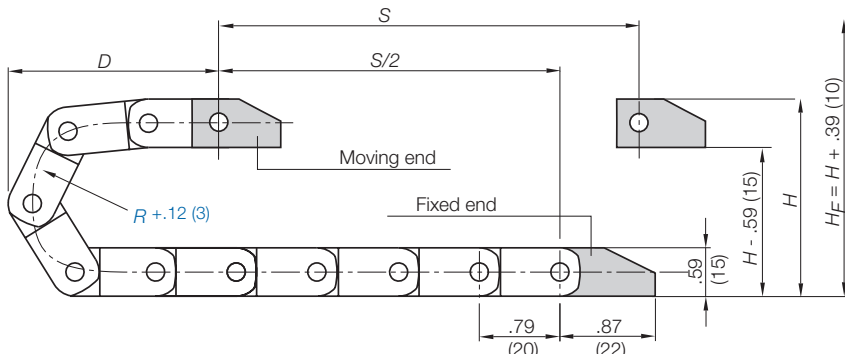
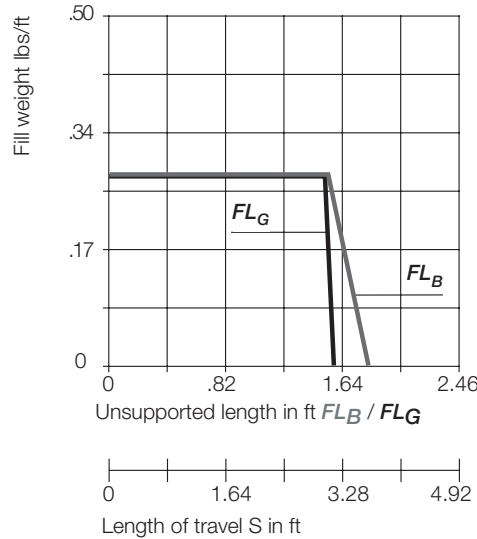
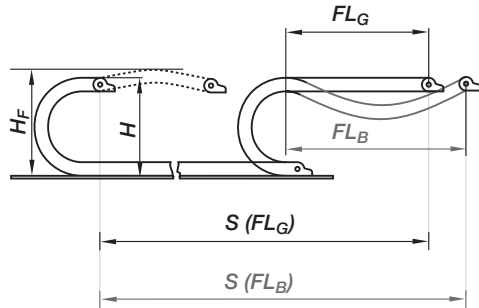
Mounting Bracket

E-Chain System® Zipper Series 07

Installation Dimensions

Short travel, unsupported length

- FL_B = unsupported with permitted sag
 - FL_G = unsupported with straight upper run
- Further information ► Design, Chapter 1



The required clearance height: $H_F = H + .39$ in. (10 mm) (with .13 lbs/ft (0.2 kg/m) fill weight). Please consult igus® if space is particularly restricted.

R	.71 (018)	1.10 (028)	1.50 (038)
H*	2.01 (51)	2.80 (71)	3.58 (91)
D	2.20 (56)	2.60 (66)	2.99 (76)
K	3.94 (100)	5.12 (130)	6.30 (160)

Short Travels - Unsupported



Unsupported E-Chains® feature positive camber over short travels. This must be accounted for when specifying the clearance height. Please refer to **Installation dimensions** for further details.

Legend

- S = Length of travel
- R = Bending radius
- H = Nominal clearance height
- D = Overlength E-Chain® radius in final position
- $K = \pi \cdot R + \text{safety buffer}$
- H_F = Required clearance height

Pitch per link = .79" (20 mm)
Links per ft (m) = 15.24 (50)
For center mount applications:
Chain length = $\frac{S}{2} + K$

Speed / acceleration FL_G	max. 65.6 ft/s (20 m/s) / max. 656 ft/s² (200 m/s²)
Speed / acceleration FL_B	max. 9.84 ft/s (3 m/s) / max. 19.69 ft/s² (6 m/s²)
Gliding speed / acceleration (maximum)	max. 32.8 ft/s (10 m/s) / max. 164 ft/s² (50 m/s²)
Material - permitted temperature	igumid G / -40°F (-40°C) up to +248°F (+120° C)
Flammability Class, igumid G	VDE 0304 IIC UL94 HB

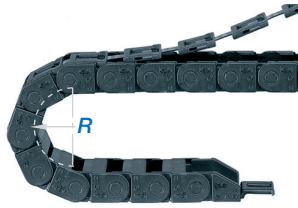
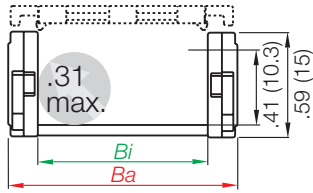
Technical Data



Details of material properties

► Chapter 1

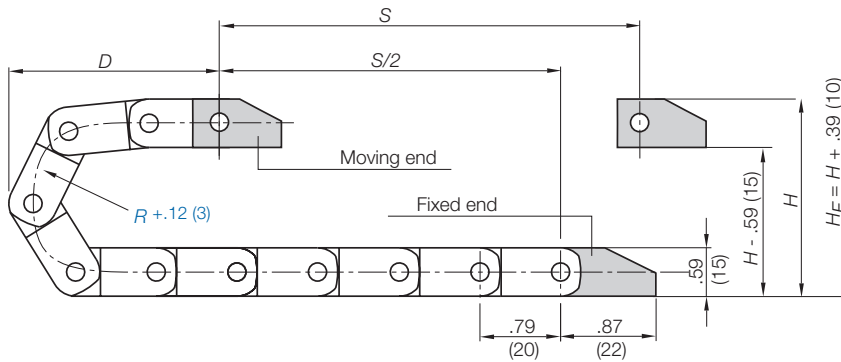
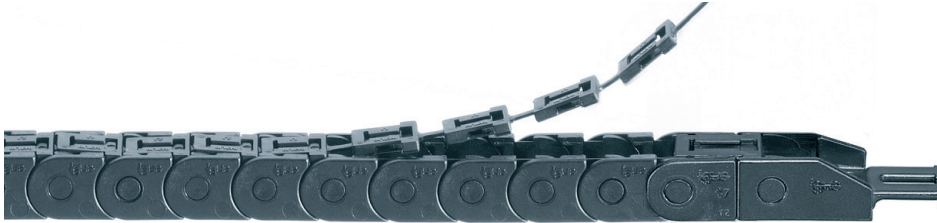
Series 07 - zip open along the outer radius



Part Number Structure

07-	20-	038-	0
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Color - Black
Bending radius
Width
Series



Supplement part number with required radius. Example: 07-20-038-0

Pitch: .79 in. (20 mm) per link links/ft (m) = 15.24 (50)

Part Number	Bi in. (mm)	Ba in. (mm)	Weight lbs/ft (kg/m)
07-06- -0	.24 (6)	.49 (12.5)	≈ 0.09 (0.13)
07-10- -0	.39 (10)	.65 (16.5)	≈ 0.09 (0.14)
07-16- -0	.63 (16)	.89 (22.5)	≈ 0.11 (0.16)
07-20- -0	.79 (20)	1.06 (27.0)	≈ 0.11 (0.17)
07-30- -0	1.18 (30)	1.46 (37.0)	≈ 0.13 (0.20)
07-40- -0	1.57 (40)	1.85 (47.0)	≈ 0.15 (0.23)
07-50- -0	1.97 (50)	2.24 (57.0)	≈ 0.17 (0.26)
07-64- -0	2.52 (64)	2.80 (71.0)	≈ 0.20 (0.30)

Choose from the radii below for all of the above sizes

Radius (mm) Example: 07-20-038-0

	018	028	038
R	.71 (018)	1.10 (028)	1.50 (038)
H*	2.01 (51)	2.80 (71)	3.58 (91)
D	2.20 (56)	2.60 (66)	2.99 (76)
K	3.94 (100)	5.12 (130)	6.30 (160)

E-Chain System® Zipper Series 07 Mounting Brackets

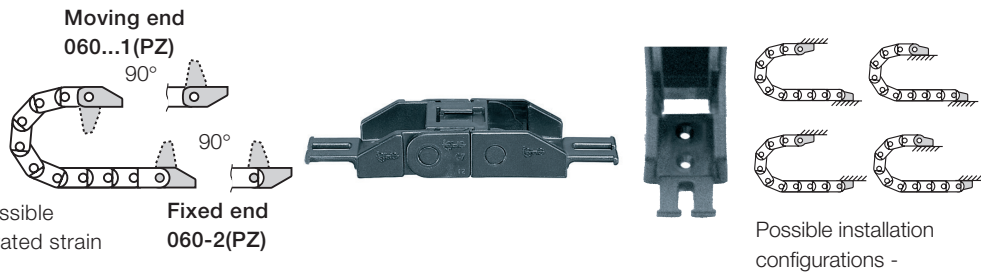


07

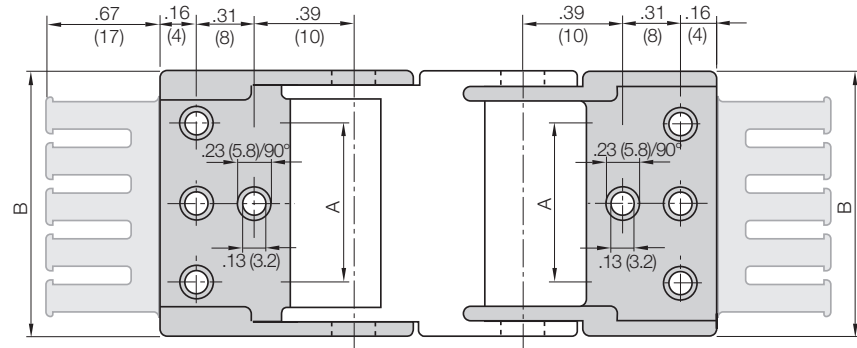
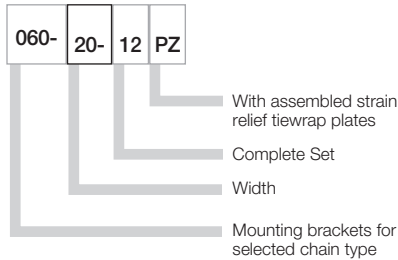


Plastic, one-piece

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



Part Number Structure



Full set, for both ends:

060- 20- 12 Full set, each part with pin/bore

Single-part order:

060- 20- 1 Mounting bracket with bore

060- 20- 2 Mounting bracket with pin

060-06-12 - 060-20-12:

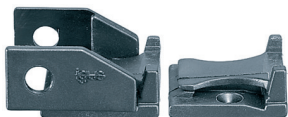
Center bores only

060-30-12 - 060-64-12:

Outer bores only

Chain Type	Part No. Full set with Tiewrap Plate	Part No. Full Set without Tiewrap Plate	Dimension A in. (mm)	Dimensions B in. (mm)	Number of Teeth
07-06	060-06-12PZ	060-06-12	— —	.49 (12.5)	1
07-10	060-10-12PZ	060-10-12	— —	.65 (16.5)	1
07-16	060-16-12PZ	060-16-12	— —	.89 (22.5)	2
07-20	060-20-12PZ	060-20-12	— —	1.06 (27.0)	2
07-30	060-30-12PZ	060-30-12	.87 (22)	1.46 (37.0)	3
07-40	060-40-12PZ	060-40-12	1.26 (32)	1.85 (47.0)	4
07-50	060-50-12PZ	060-50-12	1.65 (42)	2.24 (57.0)	5
07-64	060-64-12PZ	060-64-12	2.20 (56)	2.80 (71.0)	6

Additional Accessories



Quicksnap - the complete, detachable mounting unit, upon request

Part No.

060-10-QS

060-16-QS

060-20-QS

060-40-QS



Quickfix - mounting bracket with dowel, upon request

Part No.

060-10-34QZ

060-20-34QZ

PDF: www.igus.com/e-chain-pdfs
Specs/CAD/RFQ: www.igus.com/e-chains
RoHS info: www.igus.com/RoHS

