

E2 mini | Serie F17

● ● ● Price index



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 F17:

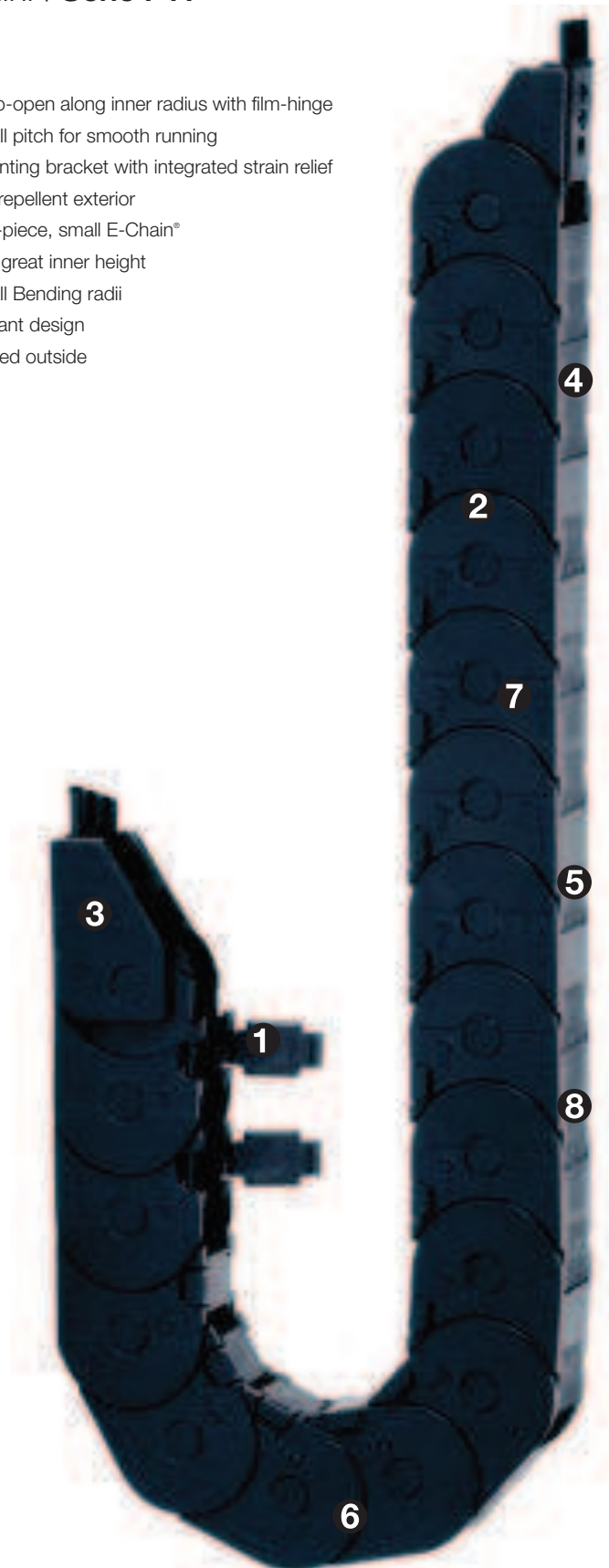
- For applications with low loads
- If a quick access to cables is required
- For small bending radii with a huge interior height is required
- For fast applications
- If a small E-Chain® with huge interior height is required
- If aesthetic design is required



When not to use it:

- If cable installation without opening lids is possible
 - ▶ Series 11.080 E2 mini, page 5.58
- If extremely quick, zipper-like access to cables is required
 - ▶ Serie R17 Zipper, page 4.42
- For gliding applications
 - ▶ Series 2600/2700/2650/2680 E2/000, page 5.114

- ① Snap-open along inner radius with film-hinge
- ② Small pitch for smooth running
- ③ Mounting bracket with integrated strain relief
- ④ Dirt-repellent exterior
- ⑤ Two-piece, small E-Chain® with great inner height
- ⑥ Small Bending radii
- ⑦ Elegant design
- ⑧ Closed outside



Order example complete E-Tube

Please indicate chain-lengths or number of links **Example: 1 m or 33 links**

1 m **F17.025.063.0**

E-Chain®

with 2 separators **R172** assembled every 2nd link

Interior separation

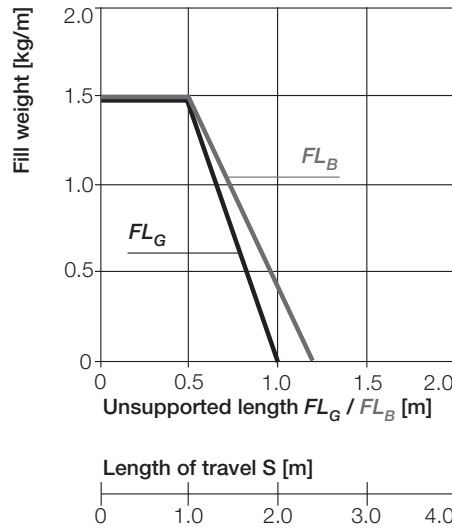
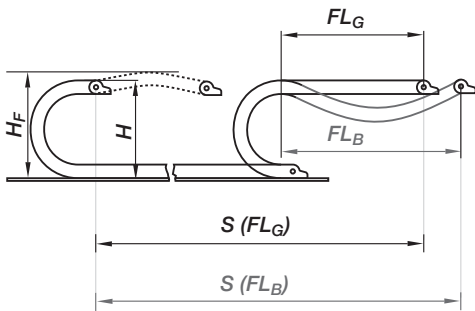
1 set **117.025.12PZ**

Mounting bracket

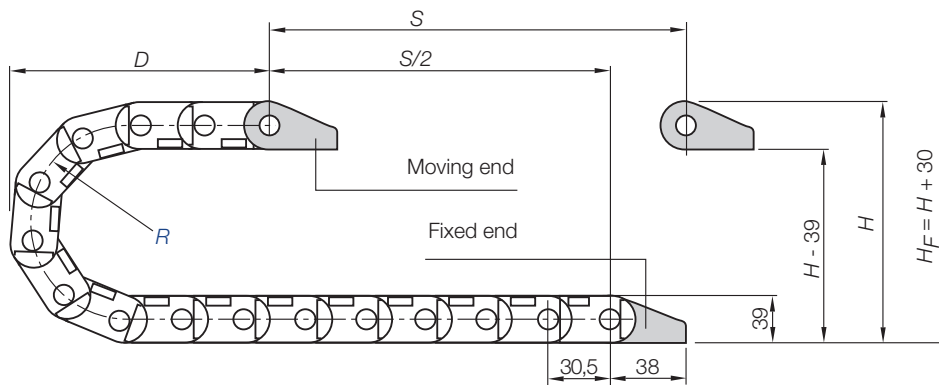


Unsupported length

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 = 30,5 mm/link Links/m = 33 (1.006,5 mm) Chain length = $S/2 + K$

| | |
|-----|-----|
| R | 048 |
| H | 135 |
| D | 100 |
| K | 220 |

The required clearance height:
 $H_F = H + 30$ mm
 0,5 kg/m fill weight)

| | |
|--|--|
| 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. 10 [m/s] / max. 50 [m/s ²] |
| Material - permitted temperature °C | igumid G / -40° to +120° C |
| Flammability class, igumid G | VDE 0304 IIC UL94 HB |

Technical Data



Details of material properties
 ► page 1.38

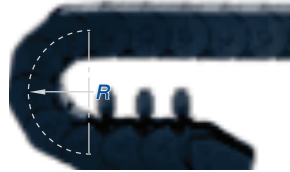
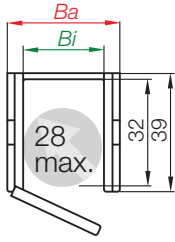


E2 mini
 Inner height: 32 mm

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



► page 5.47



Serie F17 - snap-open along inner radius

| Part No. | Bi [mm] | Ba [mm] | R [mm] | Bending Radii | Weight [kg/m] |
|----------------------------------|---------|---------|----------------------------------|---------------|---------------|
| F17.015. <input type="text"/> .0 | 15 | 26 | <input type="text" value="048"/> | | ≈ 0,52 |

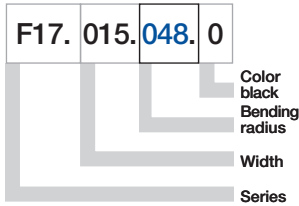
The bending radii are available upon request.

Delivery time: approx. 8-10 weeks after receipt of order!

Supplement part no. with required radius (R) Example: F17.015. .0

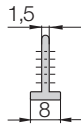
0 = standard color, other colors ▶ page 1.39 · Pitch = 30,5 mm/link - Links/m = 33

Part No. structure



Serie F17 - Interior separation

| Vert. Separator, slotted | |
|--------------------------|------|
| unassembled | R171 |
| assembled | R172 |

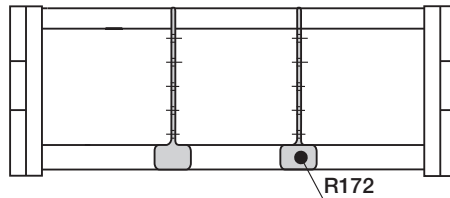


Option 1: Vertical Separators

Vertical Separators are used if a vertical subdivision of the E-Chain® interior is required -

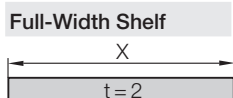
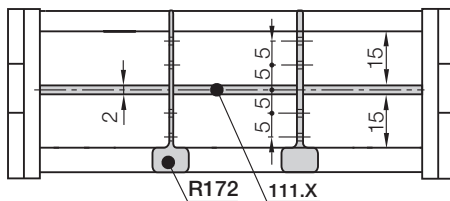
By standard Vertical Separators are assembled every other E-Chain® link

- Standard subdivision with Vertical Separator, slotted R172, for combinations with Full-Width Shelf 111.X



Option 2: Full-Width Shelves

For applications involving many thin cables with similar or identical diameters



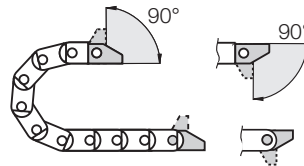
| Width | Part No. | Part No. |
|--------|-------------|-----------|
| X [mm] | unassembled | assembled |
| 015 | 110.15 | 111.15 |



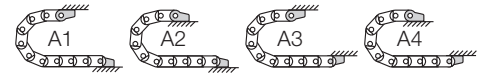
Polymer - locking

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

Moving end with bore (outer link) 117...1P(Z)



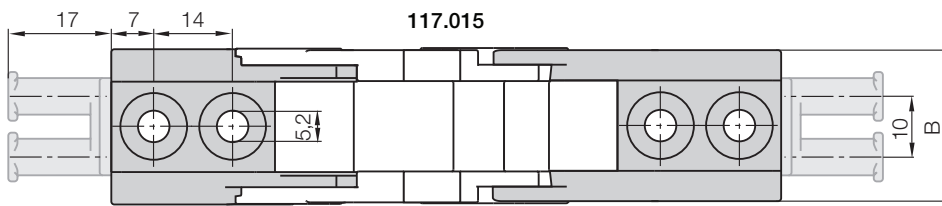
117...2P(Z) Fixed end with pin (inner link)



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

117...1P(Z)
Moving end

117...2P(Z)
Fixed end



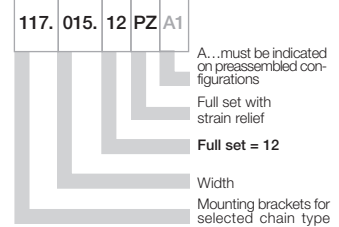
| For E-chain® | Part No. full set with tiwrap plate | Part No. full set without tiwrap plate | Number of teeth | Dim. B [mm] |
|--------------|-------------------------------------|--|-----------------|-------------|
| F17.015. ▶ | 117.015. 12 PZ | 117.015. 12 P | 2 | 25,7 |

For the **preassembled** mode please add the index **A1** ... **A4** Example: 117.015. 12 PZ **A1**

Dimensions and order configurations

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

Part No. structure



Full set, for both ends:

117. 015. 12 PZ +tiwrap plate

Single-part order:

117. 015. 1 PZ +tiwrap plate

Mounting bracket with bore

117. 015. 2 PZ +tiwrap plate

Mounting bracket with pin

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

