

Mounting bracket  
with strain  
relief option

e-chain® zip-open  
along outer radius

Two-piece  
link design

For high  
accelerations

Small pitch  
for low-noise,  
smooth running

Can be separated  
and joined at each link

Interior separation  
possible

## + Fast opening, large inner height

### When to use Series 17 E2 mini:

- If an e-chain® with an inner height of 32 mm is required
- For inner widths up to 100 mm
- For unsupported lengths up to 1,0 m and fill weights up to 1,5 kg/m
- If a very small e-chain® with a large inner height is required
- Small pitch for smooth running
- If fast, zipper-like accessibility to cables is required



### When to use a different igus® Series:

- If a fully enclosed e-tube with zipper opening mechanism is required
- ▶ **Series R17 zipper e-tube, page 4.60**
- If snap-open accessibility along the inner radius is required
- ▶ **Series B17i E2 mini, page 5.120**
- If maximum stability is required
- ▶ **Series R4.32, page 7.42**
- If torsion occurs
- ▶ **Series E16/Z16 easy chain®, page 3.42**

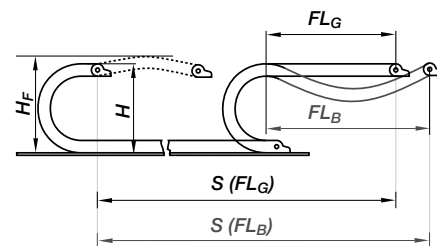
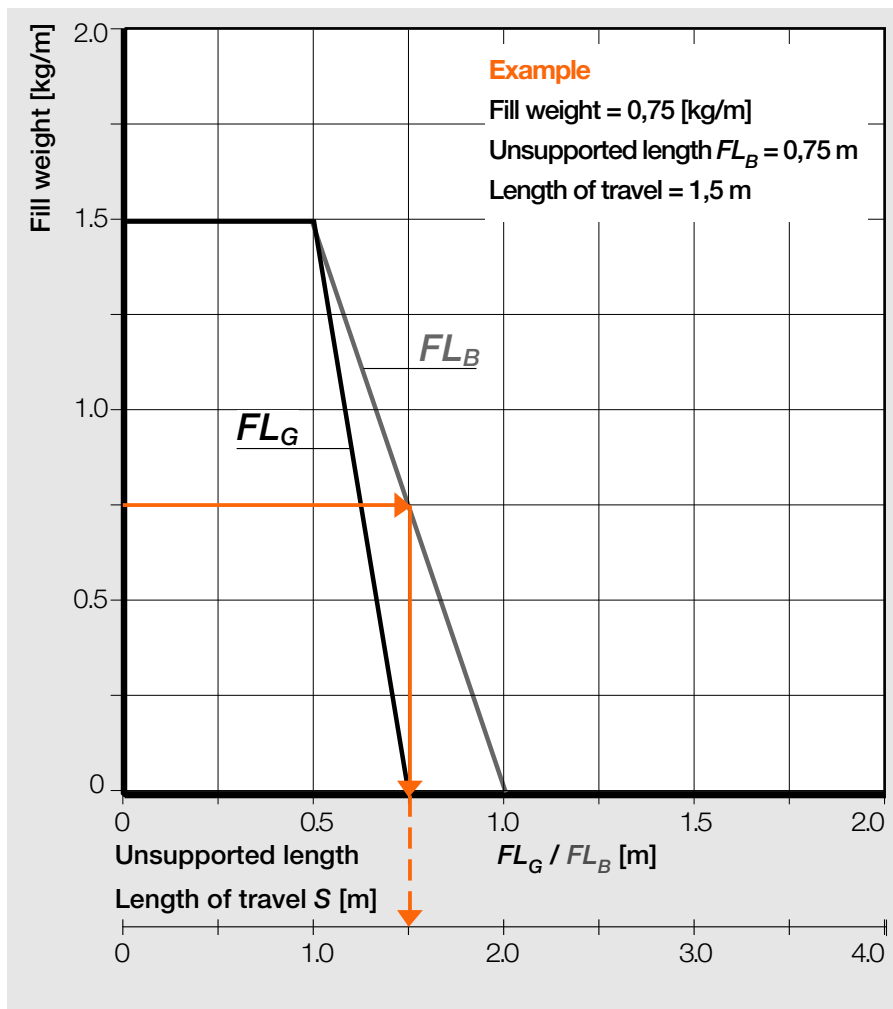


**Available from stock. Delivery in 24h or today!\***

\*Delivery time means time until shipping of goods

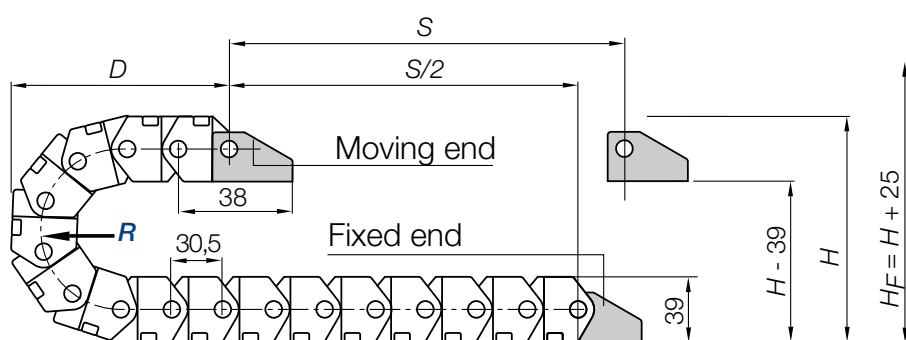


3D-CAD files, configurators, PDF ▶ [www.igus.de/en/17](http://www.igus.de/en/17)



**Standard** **Unsupported applications**

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. More information ► **Design, page 1.8**



**Technical Data**

Speed, material, temperature and flammability class ► **page 4.6**

- Pitch** = 30,5 mm/link
- Links/m** = 33 (1006,5 mm)
- Chain length** =  $S/2 + K$

R	063	075	100	125
H	165	189	239	289
D	128	140	165	190
K	260	300	380	455

The required clearance height:  $H_F = H + 25$  mm (with 1,5 kg/m fill weight)

- $FL_G$  = with straight upper run
- $FL_B$  = with permitted sag
- S = Length of travel
- R = Bending radius
- H = Nominal clearance height
- $H_F$  = Required clearance height
- D = Overlength e-chain®, radius in final position
- $K = \pi \cdot R + \text{"safety"}$

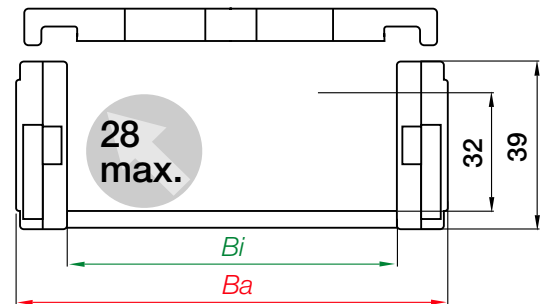
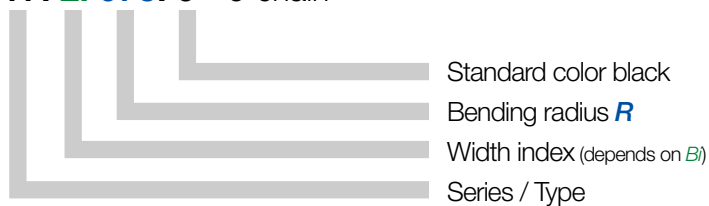


## e-chain® | Series 17 | zip-open along outer radius

e-chain® zip-open along outer radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/m]
17. 1 .R.0	15	25,5	063   075   100   125	≈ 0,52
17. 2 .R.0	25	35,5	063   075   100   125	≈ 0,59
17. 3 .R.0	38	48,5	063   075   100   125	≈ 0,65
17. 4 .R.0	50	60,5	063   075   100   125	≈ 0,70
17. 5 .R.0	63	76	063   075   100   125	≈ 0,83
17. 6 .R.0	80	93	063   075   100   125	≈ 0,92
17. 7 .R.0	100	113	063   075   100   125	≈ 1,06

Supplement Part No. with required radius (*R*) Example: 17.2.075.0

### Order key 17. 2. 075. 0 e-chain®

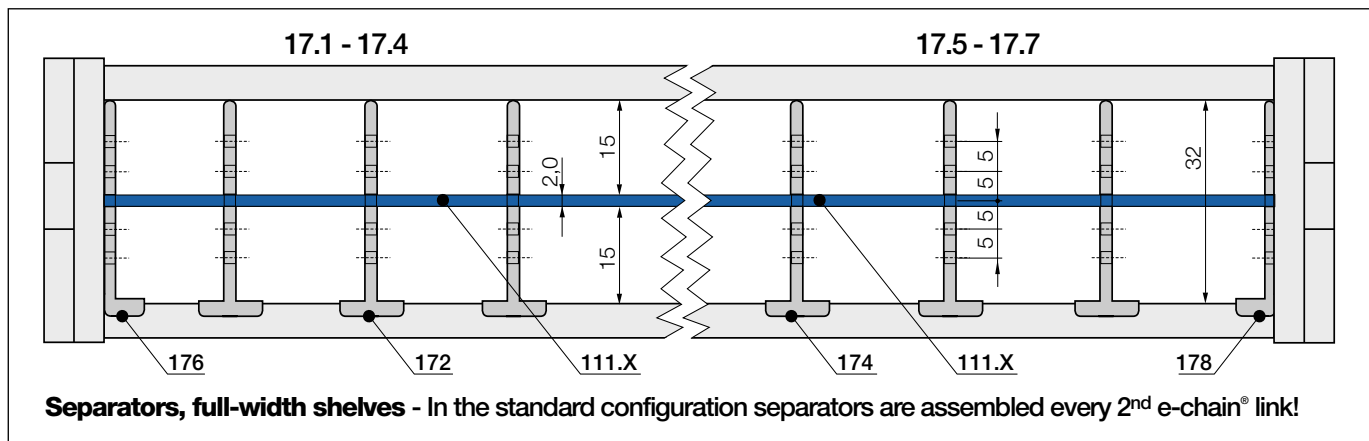


 17.2.075.0 = e-chain® snap-open along outer radius, *Bi* 25 mm inner width, *R* 075 mm radius, color black  
More order examples and configuration options ► page 4.59

 Part No. of e-chain® links as single parts ► page 4.7

 Standard e-chains® available from stock. Delivery in 24h or today!\*

\*Delivery time means time until shipping of goods



**Slotted separator for 17.1 up to 17.4**

unassembled	<b>171</b>
assembled	<b>172</b>

**Slotted separator 171** (17.1 up to 17.4) is used when vertical and horizontal separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.

**Side plate for 17.1 up to 17.4**

unassembled	<b>175</b>
assembled	<b>176</b>

**Side plate 175** (17.1 up to 17.4) Side plate for use with full-width shelf 110.X and slotted separator 171.

**Slotted separator for 17.5 bis 17.7**

unassembled	<b>173</b>
assembled	<b>174</b>

**Slotted separator 173** (17.5 up to 17.7) is used when vertical and horizontal separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.

**Side plate for 17.5 bis 17.7**

unassembled	<b>177</b>
assembled	<b>178</b>

**Side plate 177** (17.5 up to 17.7) Side plate for use with full-width shelf 110.X and slotted separator 174.

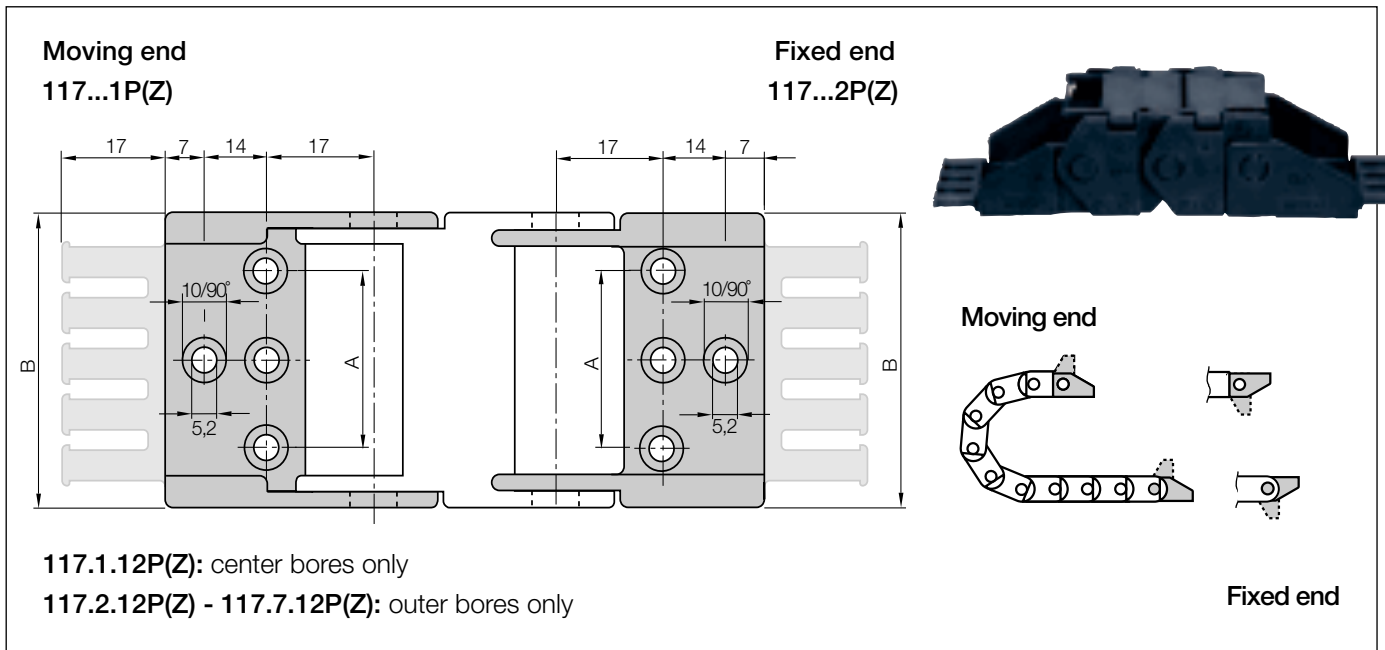
**Full-width shelf for all widths**

unassembled	<b>110.X</b>
assembled	<b>111.X</b>

**Full-width shelf 110.X** (for all widths) this option makes sense in applications with many thin cables with similar diameters. For a consequent subdivision. Full-width shelves can be arranged at 5 different heights (in 5 mm increments).

**Full-width shelves (for all widths)**

Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
015	<b>110.15</b>	<b>111.15</b>	050	<b>110.50</b>	<b>111.50</b>	100	<b>110.100</b>	<b>111.100</b>
025	<b>110.25</b>	<b>111.25</b>	063	<b>110.63</b>	<b>111.63</b>			
038	<b>110.38</b>	<b>111.38</b>	080	<b>110.80</b>	<b>111.80</b>			



**Polymer locking, one-piece** | Universal for e-chains®  
Recommended for unsupported applications

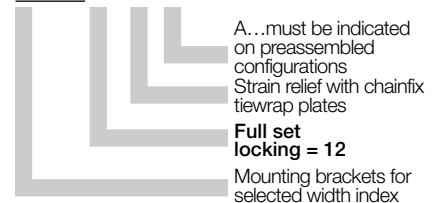
Width Index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	Dim. A [mm]	Dim. B [mm]	Number of teeth
1.	▶ 117.1.12PZ	117.1.12P	–	25,5	2
2.	▶ 117.2.12PZ	117.2.12P	12	35,5	3
3.	▶ 117.3.12PZ	117.3.12P	25	48,5	4
4.	▶ 117.4.12PZ	117.4.12P	37	60,5	5
5.	▶ 117.5.12PZ	117.5.12P	48	76	6
6.	▶ 117.6.12PZ	117.6.12P	65	93	8
7.	▶ 117.7.12PZ	117.7.12P	85	113	10



- One-piece mounting bracket
- Available with or without strain relief tiewrap plates
- Corrosion-resistant
- Various installation options on the fixed end and/or the moving end
- Inner and outer attachment possible

#### Part No. structure

##### 117.2.12 PZ A1



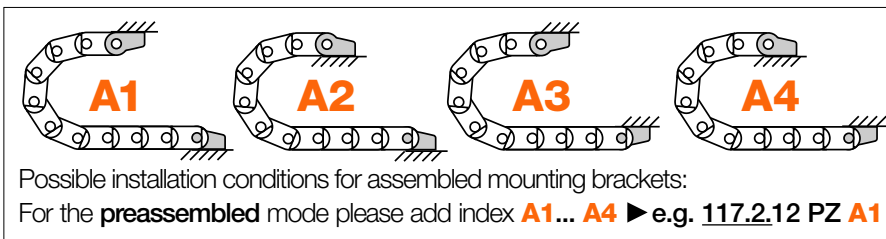
#### Single-part order

Mounting bracket **Moving end**



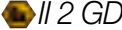



**117.2.1 PZ A1** (preass. + tiewrap plate)

Mounting bracket **Fixed end**

**117.2.2 PZ A1** (preass. + tiewrap plate)



**Strain relief**, e.g. clamps, tiewrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 10.1

<p><b>i</b> Standard</p> <p>Part No. <b>Standard</b> e-chains®</p> 	<p>NC-Version - (no camber) without pretension</p> <p>Part No. <b>NC-Material</b> e-chains®</p> <p>NC</p> 	<p>ATEX / ESD classified e-chains®</p>  <p>Part No. <b>ESD-Material</b> e-chains®</p> 
<p> <b>17.2.R.0</b></p>	<p><b>17.2.R.0.NC</b></p>	<p><b>17.2.R.0.ESD</b></p>
<p> <b>Delivery time</b> 24h or today!*</p>	<p><b>Delivery time</b> 3-5 work days</p>	<p><b>Delivery time</b> 5 work days</p>

Order example | Order key and color options

 **Order example for complete e-chain® (1,0 m), color black, with mounting brackets and interior separation:**

e-chain® (1,0 m)	Please indicate e-chain® length or number of links: 1,0 m or 33 links	<b>17.2.075.0</b>
+ Mounting brackets	1 set (with integrated strain relief)	<b>117.2.12PZ</b>
+ Interior separation	with 2 separators assembled every 2 <sup>nd</sup> link	<b>2 x 172</b>

Order text: 1,0 m 17.2.075.0 + 117.2.12PZ + 2 x 172

 **Order key**  
**17.025.038.0**



**Color options for e-chains® and e-tubes**

Color	Order index	Color	Order index
black	<b>.0 from stock!</b>	green*	<b>.7</b>
white*	<b>.1</b>	grey*	<b>.3 for e-chains®</b>
violet*	<b>.5</b>	dusty grey*	<b>.3 for e-tubes</b>
yellow*	<b>.4</b>	agate grey*	<b>.11</b>
orange*	<b>.2</b>	light grey*	<b>.14</b>
red*	<b>.6</b>	black grey*	<b>.13</b>
blue*	<b>.8</b>	yellow/black*	<b>.9</b>

**Black e-chains® from stock!**

\*Colored e-chains® delivered in 15 work days (Delivery in 5 work days at an express surcharge, available upon request!)

 **Available from stock. Delivery in 24h or today!\***

\*Delivery time means time until shipping of goods