

## E2.1 micro | Series E2.15 | Product range

Next generation, strong, low noise, fast opening



e-chains® Series E2i.15 Openable along the inner radius, from both sides  
 e-chains® Series E2.15 Openable along the outer radius, from both sides  
 e-chains® Series E2C.15 One-piece, non-openable

Part No. e-chains® openable along the inner radius	Part No. e-chains® openable along the outer radius	Part No. e-chains® one-piece, non- openable	Bi [mm]	Ba [mm]	R Available bend radii [mm]	E2i.15 [kg/m]	E2.15 [kg/m]	E2C.15 [kg/m]
E2i.15.10.R.0	E2.15.10.R.0	E2C.15.10.R.0	10	17.8	028   038   048   -	≈ 0.18	≈ 0.18	≈ 0.19
E2i.15.13.R.0	E2.15.13.R.0	E2C.15.13.R.0	13	20.8	028   038   048   -	≈ 0.19	≈ 0.19	≈ 0.20
E2i.15.16.R.0	E2.15.16.R.0	E2C.15.16.R.0 <sup>1)</sup>	16	23.8	028   038   048   -	≈ 0.20	≈ 0.20	≈ 0.20
E2i.15.20.R.0	E2.15.20.R.0	E2C.15.20.R.0 <sup>1)</sup>	20	27.8	028   038   048   -	≈ 0.21	≈ 0.21	≈ 0.21
E2i.15.30.R.0	E2.15.30.R.0	E2C.15.30.R.0 <sup>1)</sup>	30	37.8	028   038   048   -	≈ 0.24	≈ 0.24	≈ 0.24
E2i.15.40.R.0	E2.15.40.R.0	E2C.15.40.R.0	40	47.8	028   038   048   075*	≈ 0.26	≈ 0.26	≈ 0.26
E2i.15.50.R.0	E2.15.50.R.0	E2C.15.50.R.0	50	57.8	028   038   048   -	≈ 0.29	≈ 0.29	≈ 0.29

\*Radius 075 only for series E2C.15.40

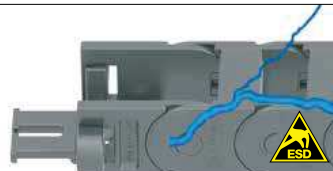
1) ▲ Available as ESD version from stock

Complete Part No. with required radius (R). Example: E2.15.20.038.0

### ESD - many sizes from stock

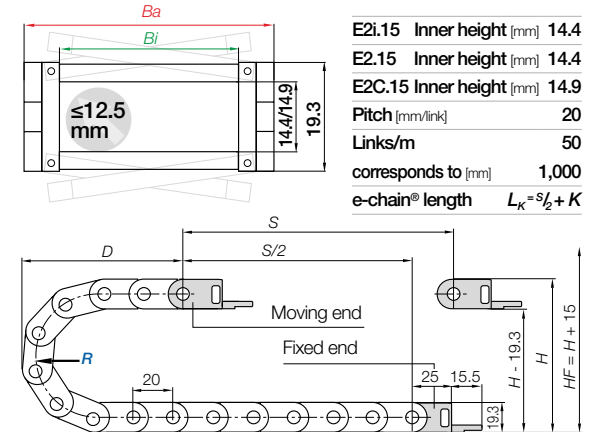
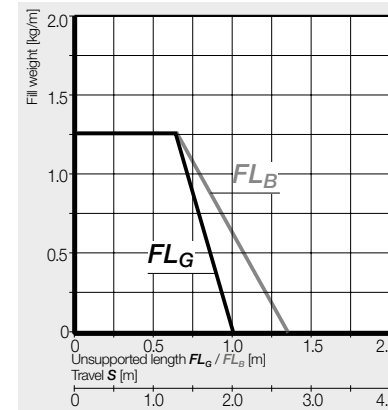
- Standardised product made from igumid ESD
- ESD material tested with over 10 million cycles for the toughest requirements
- Short delivery times including mounting brackets and interior separation; 24hrs, from stock

More information ► [www.igus.co.uk/esd](http://www.igus.co.uk/esd)



## E2.1 micro | Series E2.15 | Installation dimensions

Unsupported applications | Short travels



E2i.15	Inner height [mm]	14.4
E2.15	Inner height [mm]	14.4
E2C.15	Inner height [mm]	14.9
	Pitch [mm/link]	20
	Links/m	50
	corresponds to [mm]	1,000
	e-chain® length	$L_k = S/2 + K$

R	028	038	048	075*
H	75	95	115	169
D	68	78	88	115
K	130	160	195	280

The required clearance height:  $H_F = H + 15\text{mm}$  (with 0.3kg/m fill weight)

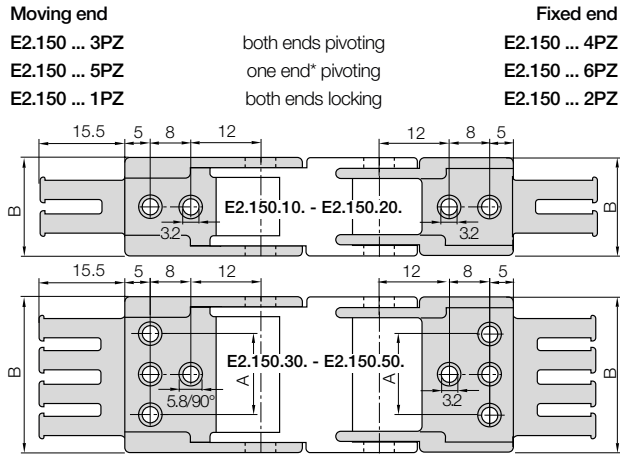
\*Radius 075 only for series E2C.15.40

### Reduce assembly time - E2.1 micro e-chain® opener

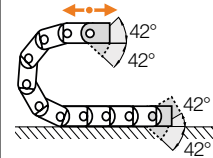
- For a quick and easy opening, an e-chain® opener is included with every first order of openable E2.1 micro from igus®
- Reduce opening times from 33 to 2 seconds
- Open a long chain section in one go

More information ► [www.igus.co.uk/E2.1open](http://www.igus.co.uk/E2.1open)

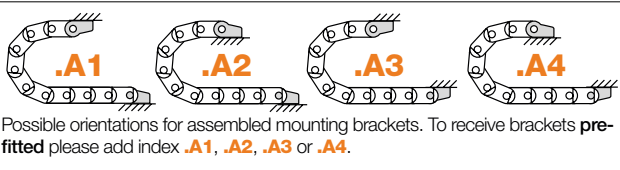




\*One end pivoting: pivot angle = bend radius. One end only pivots towards the inner radius - whether fitted A1 or A4!



Width index	Part No. full set with tie-wrap plates both ends pivoting	Part No. full set with tie-wrap plates one end* pivoting	Part No. full set with tie-wrap plates both ends locking	A [mm]	B [mm]	Number of teeth
10.	E2.150.10.34PZ	E2.150.10.56PZ	E2.150.10.12PZ	-	17.8	1
13.	E2.150.13.34PZ	E2.150.13.56PZ	E2.150.13.12PZ	-	20.8	1
16.	E2.150.16.34PZ	E2.150.16.56PZ	E2.150.16.12PZ	-	23.8	2
20.	E2.150.20.34PZ	E2.150.20.56PZ	E2.150.20.12PZ	-	27.8	2
30.	E2.150.30.34PZ	E2.150.30.56PZ	E2.150.30.12PZ	22	37.8	3
40.	E2.150.40.34PZ	E2.150.40.56PZ	E2.150.40.12PZ	32	47.8	4
50.	E2.150.50.34PZ	E2.150.50.56PZ	E2.150.50.12PZ	42	57.8	5

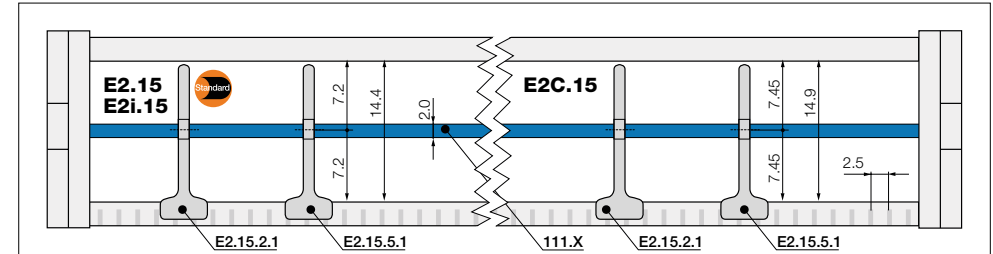
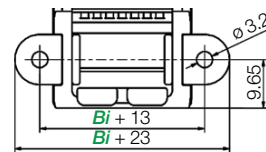


**E2.150.20.34PZ.A1** Order example  
 .A... to indicate option with brackets pre-fitted  
 With integrated strain relief tie-wrap plates  
 Full set  
 Width index  
 Series

### Additional features



The quickflange can be clipped-in to all mounting brackets. Contains a housing for hexagonal nut and socket cap bolt M3. **Single Part No.:** E2.150.QF or Part No. incl. mounting bracket: E2.150.20.34PZQF



**Note:** for one-piece, non-openable e-chain® links please assemble the interior separation before fitting the e-chain®! As standard separators are fitted every 2<sup>nd</sup> e-chain® link!

		<b>Standard separator</b> unassembled <b>E2.15.2</b> assembled <b>E2.15.2.1</b>
		<b>Notch separator for notched crossbar</b> unassembled <b>E2.15.5</b> assembled <b>E2.15.5.1</b>
		<b>Full-width shelf for e-chains®</b> unassembled <b>110.X</b> assembled <b>111.X</b>

### Standard - for any application

For easy vertical separation in e-chains®. Separators can be arranged in any position in the e-chain® cross-section. Without notches, freely movable.

### Locks securely in preset increments

Notch separator for exact positioning in e-chains®. Recommended for side-mounted applications.

### Full-width shelf

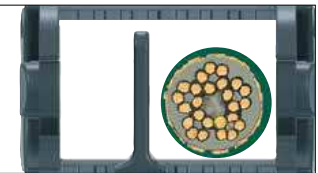
This option is for applications with many small cables with similar diameters. For full width separation.

Full-width shelves Width = X [mm]	X [mm] unassembled		X [mm] assembled		X [mm] unassembled		X [mm] assembled	
	010	110.10	111.10	020	110.20	111.20	050	110.50
013	110.13	111.13	030	110.30	111.30			
016	110.16	111.16	040	110.40	111.40			

### 75% less wear

- igus® separators increase the service life of the cables by a factor of 4
- Separators with a rounded design for less cable wear and abrasion
- Optimised for easier and faster assembly

More information ► [www.igus.co.uk/E2.1open](http://www.igus.co.uk/E2.1open)



### Interior separation assembly tool for the E2.1 micro

- Easy fitting of separators and shelves
  - Significant assembly time reduction
  - Grip and tool tip can be ordered separately and are easy to change
- More information ► [www.igus.co.uk/E2.1open](http://www.igus.co.uk/E2.1open)



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