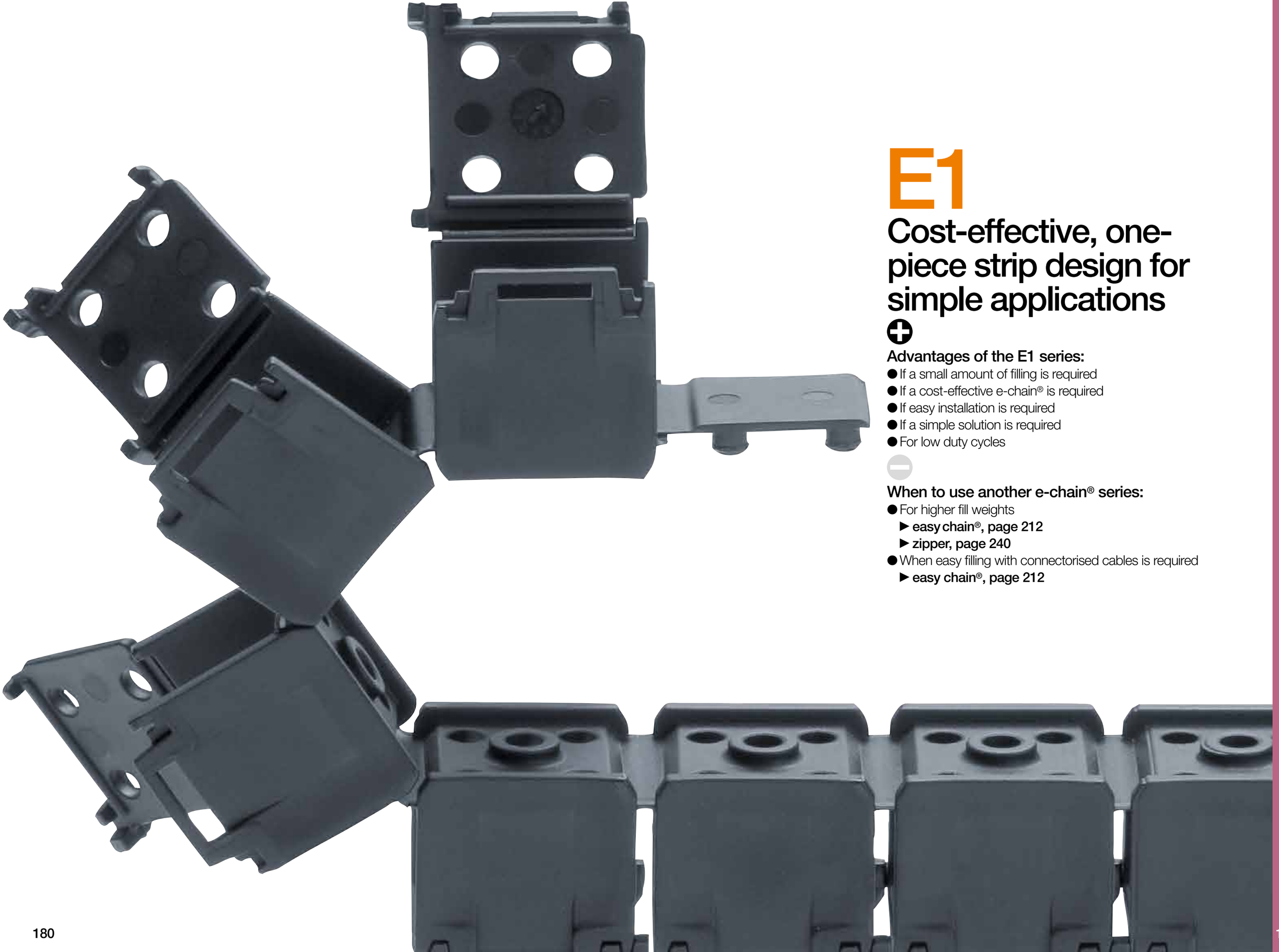


E1

Cost-effective, one-piece strip design for simple applications

Advantages of the E1 series:

- If a small amount of filling is required
- If a cost-effective e-chain® is required
- If easy installation is required
- If a simple solution is required
- For low duty cycles

When to use another e-chain® series:

- For higher fill weights
  - ▶ **easy chain®, page 212**
  - ▶ **zipper, page 240**
- When easy filling with connectorised cables is required
  - ▶ **easy chain®, page 212**

Easy to lengthen: strips can simply be snapped together

Easy shortening: just separate at each strip

Save time: easy to fill due to openable lids

Cost-effective: lightweight and low-priced

Space-saving: compact design with smooth contour

Variety of options: different materials and colours available upon request

Practical: easy attachment to the machine

Cost-effective, one-piece strip design for simple applications - E1

Modular e-chain®, 1-piece strip designed for simple applications - the E1 design brings the benefits of an e-chain® to applications where previously this solution was too expensive. E1 is more economic for higher volumes, quicker to assemble yet still offers great control and protection for moving cables.

Typical industries and applications

● Automotive ● Office solutions and technology ● Automation ● Electrical equipment ● Machine building etc.

UL94-V2 classification

E1 - e-chain® in a strip - easy lengthening and shortening

More information ▶ www.igus.eu/E1

Series	Inner height *hi* [mm]	Inner width *Bi* [mm]	Outer width *Ba* [mm]	Outer height *ha* [mm]	Bend radius *R* [mm]	Segment length [mm]	Page
							
E1.10.013	10	13	17	15.5	018	200	**184**
E1.17.021	17	21	26	25	028	255	**185**
E1.17.031	17	31	36	25	028	204	**185**
E1.17.044	17	44	49	25	028	255	**185**
E1.18.015	18	15	20	26	028	127.5	**186**
E1.20.015	20	15	22	27	028	250	**187**

e-chain® in a strip -
openable along the outer radius

Available from stock. Ready to ship in 24 - 48hrs.*

*Average time before the ordered goods are dispatched.

Technical data

e-chain® material - permitted temperature °C, igumid NB	Application dependant, upon request
Flammability class, igumid NB	**VDE 0304 IIC UL94-V2**

Order example | Order key and colour examples | Examples based on series E1.17

Order example for complete e-chain® (1.0m), colour black, with mounting brackets and interior separation:

e-chain® (1.0m)	Please indicate number of segments	**E1.17.044.028.0**
Order text:	**5 x E1.17.044.028.0**	

Order key

Openable along the outer radius **E1.17.044.028.0**

- Series / Type
- Width index (depends on *Bi*)
- Bend radius *R*
- Colour index (standard black)

Order index for colour options

Colour	Order index		Colour	Order index	
Black	Standard	**.0**	Orange	Special colour	.2
Silver-grey	Special colour	.31	Yellow	Special colour	.4
White	Special colour	.1	Light grey	Special colour	.14
Grey-white	Special colour	.1S			

Black e-chains® ready to ship in 24 - 48hrs.*

Above special colours upon request.

E1 | Series E1.10 | Product range

e-chain® in a strip, smallest size

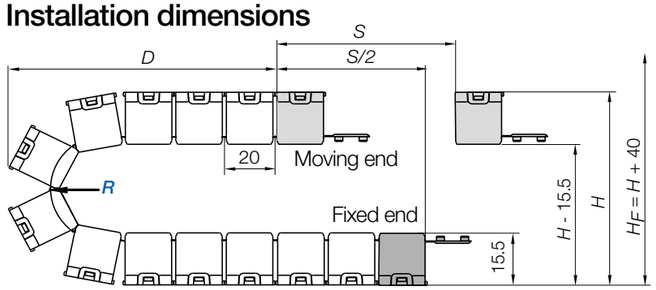
10

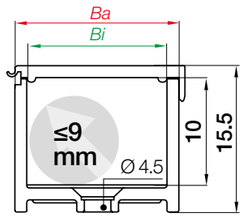
e-chain® | Series E1.10 | Openable along the outer radius

Part No. e-chains®	Bi [mm]	Ba [mm]	R Available bend radii [mm]	Weight [kg/Segment]
E1.10.013.R.0	13	17	018	≈ 0.0164

Complete Part No. with required radius (R). Example: **E1.10.13.018.0**

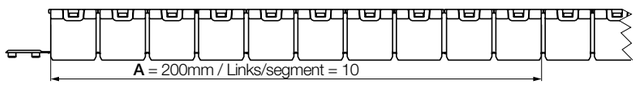
Installation dimensions





Inner height [mm]	10
Pitch [mm/link]	20
Segment/m	5
corresponds to [mm]	1,000
e-chain® length	$L_K = S/2 + K$

Series	Segment length A [mm]	Links/segment	Segments/m
E1.10.013.	200	10	5 (1.000 mm)



R	018
H	62
D	66
K	100

The required clearance height:

$H_F = H + 40$mm

More radii available upon request, please consult igus®.

E1 | Series E1.17 | Product range

e-chain® in a strip, small size

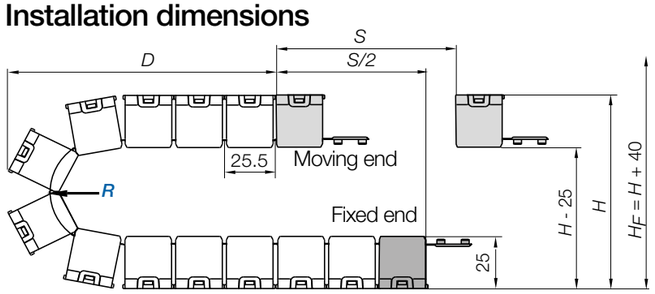
17

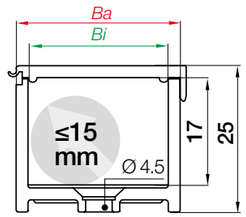
e-chain® | Series E1.17 | Openable along the outer radius

Part No. e-chains®	Bi [mm]	Ba [mm]	R Available bend radii [mm]	Weight [kg/Segment]
E1.17.021.R.0	21	26	028	≈ 0.0478
E1.17.031.R.0	31	36	028	≈ 0.0580
E1.17.044.R.0	44	49	028	≈ 0.0695

Complete Part No. with required radius (R). Example: **E1.17.021.028.0**

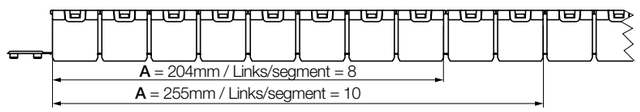
Installation dimensions





Inner height [mm]	17
Pitch [mm/link]	25.5
Segment/m	4 or 5
corresponds to [mm]	1,020
e-chain® length	$L_K = S/2 + K$

Series	Segment length A [mm]	Links/segment	Segments/m
E1.17.021.	255	10	4 (1.020 mm)
E1.17.031.	204	8	5 (1.020 mm)
E1.17.044.	255	10	4 (1.020 mm)



R	028
H	92
D	76
K	120

The required clearance height:

$H_F = H + 40$mm

More radii available upon request, please consult igus®.

Mounting brackets for the series E1.17.021

Compact, universal mounting bracket for E1.17.021: Part No. **E1.170.021.TS** - for easy attachment

E1 | Series E1.18 | Product range

e-chain® in a strip, small size

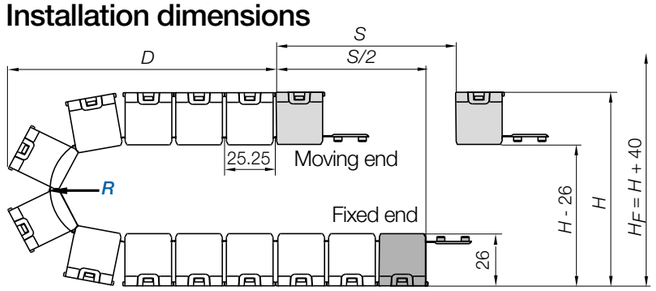
18

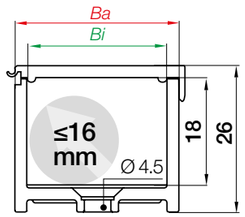
e-chain® | Series E1.18 | Openable along the outer radius

Part No. e-chains®	Bi [mm]	Ba [mm]	R Available bend radii [mm]	Weight [kg/Segment]
E1.18.015.R.0	15	20	| 028 |	≈ 0.0169

Complete Part No. with required radius (R). Example: **E1.18.15.028.0**

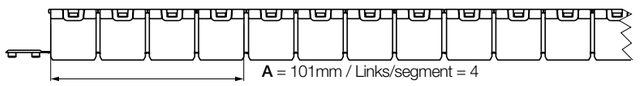
Installation dimensions





Inner height [mm]	18
Pitch [mm/link]	25.25
Segment/m	10
corresponds to [mm]	1,010
e-chain® length	$L_K = S/2 + K$

Series	Segment length A [mm]	Links/segment	Segments/m
E1.18.015.	101	4	10 (1.010 mm)



R	028
H	92
D	76
K	120

The required clearance height:

$H_F = H + 40$mm

More radii available upon request, please consult igus®.

E1 | Series E1.20 | Product range

e-chain® in a strip, lids open alternate sides

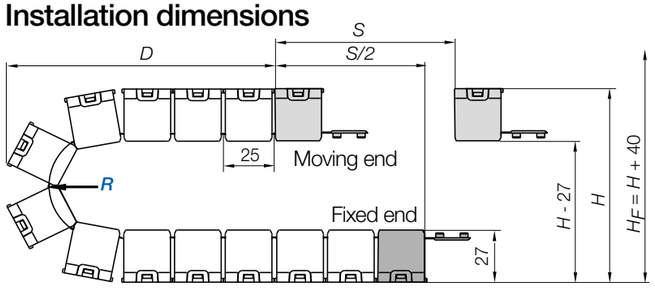
20

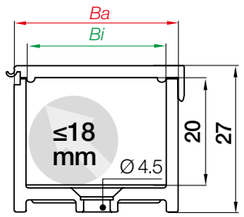
e-chain® | Series E1.20 | Openable along the outer radius | Lids open alternate sides

Part No. e-chains®	Bi [mm]	Ba [mm]	R Available bend radii [mm]	Weight [kg/Segment]
E1.20.015.R.0	15	22	| 028 |	≈ 0.0443

Complete Part No. with required radius (R). Example: **E1.17.021.028.0**

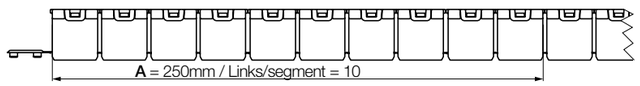
Installation dimensions





Inner height [mm]	20
Pitch [mm/link]	25
Segment/m	4
corresponds to [mm]	1,000
e-chain® length	$L_K = S/2 + K$

Series	Segment length A [mm]	Links/segment	Segments/m
E1.20.015.	250	10	4 (1.000 mm)



R	028
H	92
D	76
K	120

The required clearance height:

$H_F = H + 40$mm

More radii available upon request, please consult igus®.