



igus®
E2 mini
Small and medium sizes

Small and medium sizes - E2 mini

E2 mini are small one-piece or two-piece e-chains®, recommended for high dynamic applications. igus® also offers a host of accessories and fixation options. "Upgrades" to openable versions are available for many types; they are interchangeable and can also serve as replacements.

Typical industries and applications

- Construction machinery
- Handlings
- Furniture
- Packaging machines
- Textile machines
- Vehicle construction
- Woodworking machines
- Glass machines
- Automation
- General machinery



Cleanroom Class 1 (ISO class 3)
for Series 10, tested by the Dryden
Engineering Company, California



Special equipment: Electrically conductive
ESD/ATEX version upon request



UL94-V2 classifications - for Series
14 and F17 (UL94-V0 upon request)



E2 mini e-chain®, RBR-version with reverse bending radius



E2 mini e-chain® in a tooling
machine, coolant resistant



Long travel applications of up to 40 m are possible.
Here: Series 10 in a textile machine

Series	Inner height <i>hi</i> [mm]	Inner width <i>Bi</i> [mm]	Outer width <i>Ba</i> [mm]	Outer height <i>ha</i> [mm]	Bending radius <i>R</i> [mm]	Unsupported length max. [m]	Page
 E2 mini - One-piece e-chains® One-piece, non snap-open							
10	18	15 - 100	26 - 113	23	028 - 180	1,20	356
11.031	23	31	41,2	28	045 - 070	≈1,35	364
11.080	28	80	93	33,4	038	1,50	368
11.1/11.2	41	15 - 25	25,5 - 35,5	46	040 - 100	≈1,35	372

 E2 mini - One-piece e-chains® Snap-open along inner radius with film-hinge							
14	20	15 - 50	26 - 61	25	028 - 125	0,65	376
F17	32	15	26	39	048	1,20	394

 E2 mini - Two-piece e-chains® Snap-open along outer radius							
B15	17	15 - 100	26,0 - 113	23	038 - 180	1,20	380
B17	32	15 - 100	25,5 - 113	39	048 - 125*	1,00	388

 E2 mini - Two-piece e-chains® Snap-open along inner radius							
B15i	17	15 - 100	26,0 - 113	23	038 - 180	1,20	380
B17i	32	25 - 38	35,5 - 48,5	39	048 - 125*	1,00	388

*Radii for several widths available upon request (please see delivery program table).



Push, click and snap in pin



Lever crossbars open



Separating: release side-link



Twist and pull apart

 **Technical Data, overview** ► page 352

 **e-chain® links as single parts, overview** ► page 353

 **Configuration options and order keys, overview** ► page 354

 Assembly video available online at ► www.igus.eu/eu/video



Technical Data - System E2 mini

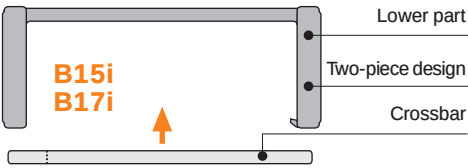
	Gliding speed / acceleration (maximum)	max. 3 [m/s] / max. 10 [m/s²]
	Speed / acceleration FL_G max.	max. 20 [m/s] / max. 200 [m/s²]
	Speed / acceleration FL_B max.	max. 3 [m/s] / max. 6 [m/s²]
	Material - permitted temperature °C, igumid G	-40° up to +120° C
	Material - permitted temperature °C, igumid NB (only Series 14)	-40° up to +80° C
	Material lower part - permitted temperature °C, igumid G (only Series B15/B15i, B17/B17i, F17)	-40° up to +120° C
	Material crossbar - permitted temperature °C, igumid NB (only Series B15/B15i, B17/B17i, F17)	-40° up to +80° C
	Flammability class:	igumid G = VDE 0304 IIC UL94-HB / igumid NB = VDE 0304 IIC UL94-V2
	■ FL_G = with straight upper run ■ FL_B = with permitted sag	

Installation methods overview, maximum travels - System E2 mini

e-chain® Series	 Unsupported application	 Vertical hanging	 Vertical standing	 Side mounted unsupported	 Rotary application	 Zig-zag application
10	≤ 1,20 m	upon request	upon request	upon request	with rework	upon request
11.031	≤ 1,35 m	upon request	upon request	upon request	—	upon request
11.080	≤ 1,50 m	upon request	upon request	upon request	—	upon request
11.1/11.2	≤ 1,35 m	upon request	upon request	upon request	—	upon request
14	≤ 0,65 m	upon request	upon request	upon request	with rework	upon request
B15i / B15	≤ 1,20 m	upon request	upon request	upon request	with rework	upon request
B17i / B17	≤ 1,00 m	upon request	upon request	upon request	with rework	upon request
F17	≤ 1,20 m	upon request	upon request	upon request	with rework	upon request

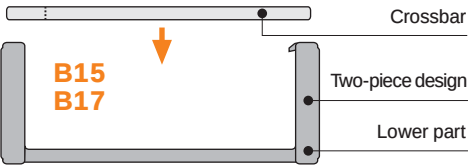
 Part No. one- and two-piece e-chain® links as single parts - System E2 mini

Two-piece design, snap-open along inner radius



 e-chain® Series	e-chain® Crossbar*	e-chain® Lower parts**
B15i	170. <i>Bi</i>	B15i. <i>Bi</i> 00. <i>R</i>
B17i	170. <i>Bi</i>	B17i. <i>Bi</i> 00. <i>R</i>

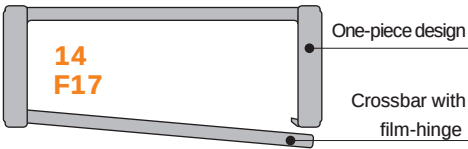
Two-piece design, snap-open along outer radius



 e-chain® Series	e-chain® Crossbar*	e-chain® Lower parts**
B15	170. <i>Bi</i>	B15. <i>Bi</i> 00. <i>R</i>
B17	170. <i>Bi</i>	B17. <i>Bi</i> 00. <i>R</i>

* Crossbar: supplement Part No. with required width index (*Bi*) Example: 170.15
** Lower parts: supplement Part No. with required width index (*Bi*) + 00 and radius (*R*) Example: B15.15 00.03R

One-piece design, snap-open along inner radius



 Series e-chains®	One-piece e-chain link	Crossbar with film-hinge
14	One-piece design	snap-open
F17	One-piece design	snap-open

One-piece design, non snap-open



 Series e-chains®	One-piece e-chain link
10	One-piece design, non snap-open
11.031	One-piece design, non snap-open
11.080	One-piece design, non snap-open
11.1/11.2	One-piece design, non snap-open

 Available from stock. Delivery time* in 24h or today!
*Delivery time means time until shipping of goods (after technical release)

	Standard	NC-Version - (no camber) without pretension	Reverse bending radius for circular movements	Unsupported lengths +25% possible	ATEX / ESD classified e-chains* 
Part No. Standard	Part No. NC-Material	Part No. RBR	Part No. XXL-Material*	Part No. ESD-Material	
					
	B15.025.R.0	B15.025.R.0.NC	B15.025.R1/R2.0	B15.025.R.0.XXL	B15.025.R.0.ESD
	Delivery time* 24h or today!	Delivery time* 2-5 work days	Delivery time* - Several widths from stock	Delivery time* 5 work days	Delivery time* 10 work days

*Delivery time means time until shipping of goods (after technical release)

Order example | Order key and color options

	Order example for complete e-chain® Series B15 (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	B15.025.038.0	
+ Mounting brackets	1 set (+ tiewrap plates)	1025.34PZ	
+ Interior separation	with 2 separators assembled every 2 nd link	2 x 154	
Order text: 1,0 m B15.025.038.0 + 1025.34PZ + 2 x 154			

	Order key B15.025.038.0	Color options for e-chains® and e-tubes			
		Color	Order index	Color	Order index
		Black Standard, from stock!	.0	White special color	.1
		Slate grey only ESD material	.ESD	Gray white special color	.1S
		Gray brown only HT material	.HT	Orange special color	.2
		Gray special color only e-chains*	.3	Yellow special color	.4
		Dusty grey special color only e-tubes	.31	Light grey special color	.14
Black e-chains® available from stock!					
Delivery time* for special colors: from 5 work days					

 Available from stock. Delivery time* in 24h or today!
*Delivery time means time until shipping of goods (after technical release)



Cost-effective cable guidance with E2 mini

Mounting bracket
with strain
relief option

One-piece design,
non snap-open

Lightweight
and stable

Large pin for
high stability

Dirt-repellent
exterior

Double stop dog
for long un-
supported travels

+ Stable and cost-effective

When to use the Series 10 E2 mini:

- If an e-chain® with an inner height of 18 mm and small bending radii is required
- For inner widths up to 100 mm
- For unsupported lengths up to 1,2 m and fill weights up to 1,5 kg/m
- If a small but very stable e-chain® is required
- If a one-piece, non snap-open e-chain® is required
- If an interior separation is required

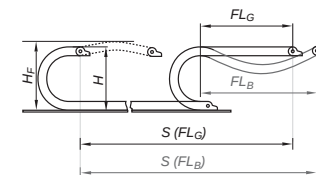
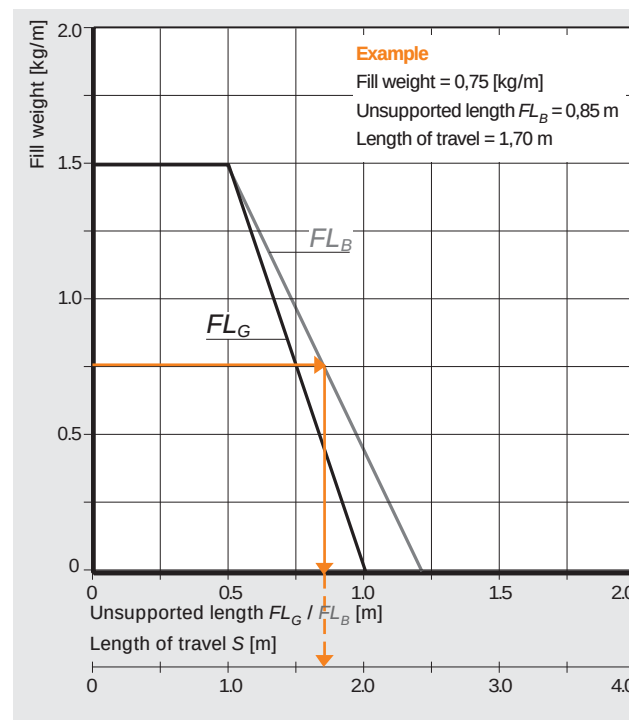


When to use a different igus® Series:

- If extremely quick opening of the links is necessary
- Series 15 zipper, page 260
- If quick insertion of cables with preassembled connectors is required
- Series E14 easy chain®, page 180

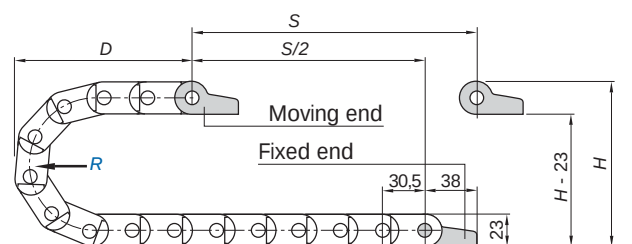


Series 10 with molded-in separator available.
More information ► page 358



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 95



Technical Data

Speed, material, temperature and flammability class ► page 352

Pitch = 30,5 mm/link
Links/m = 33 (1006,5 mm)
Chain length = $\frac{S}{2} + K$

R	028	038	048	075	100	110	125	145	180
H	79	99	119	173	223	243	273	313	383
D	85	95	105	132	157	167	182	202	237
K	150	185	215	300	380	410	455	520	630

The required clearance height: $H_F = H + 20$ mm (with 0,5 kg/m fill weight)

Before using this Series on long travels please consult igus®.



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
 $K = \pi \cdot R + \text{"safety"}$



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

*Delivery time means time until shipping of goods (after technical release)



3D-CAD files, configurators, PDF ► www.igus.eu/eu/10



Series 10 | One-piece, non snap-open e-chain®

non snap-open	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/m]
10. 015 .R.0	15	26	028 038 048 075 100 110 125 145 180	≈ 0,35
10. 025 .R.0	25	36	028 038 048 075 100 110 125 145 180	≈ 0,40
10. 038 .R.0	38	49	028 038 048 075 100 110 125 145 180	≈ 0,46
10. 050 .R.0	50	61	028 038 048 075 100 110 125 145 180	≈ 0,52
10. 5 .R.0	63	76	028 038 048 075 100 110 125 145 180	≈ 0,63
10. 6 .R.0	80	94	028 038 048 075 100 110 125 145 180	≈ 0,70
10. 7 .R.0	100	113	028 038 048 075 100 110 125 145 180	≈ 0,76

Supplement Part No. with required radius (*R*). Example: 10.025.038.0

Before using this Series on long travels please consult igus®.

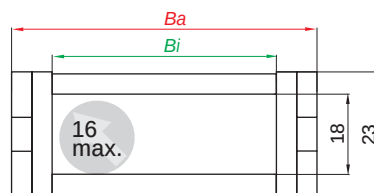
Order key



10. 025. 038. 0



Standard color black
Bending radius *R*
Width index (depends on *Bi*)
Series / Type



e-chain® links as single parts, overview ► page 353

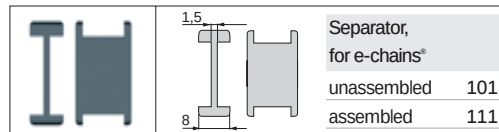
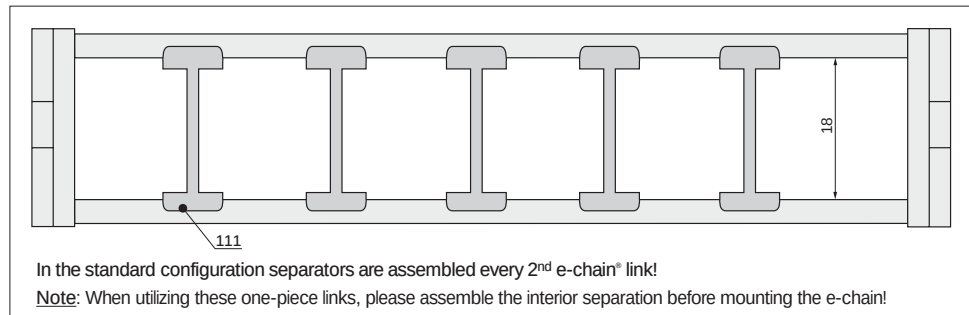


Configuration options and order keys, overview ► page 354



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

*Delivery time means time until shipping of goods (after technical release)

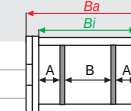


Separator 101

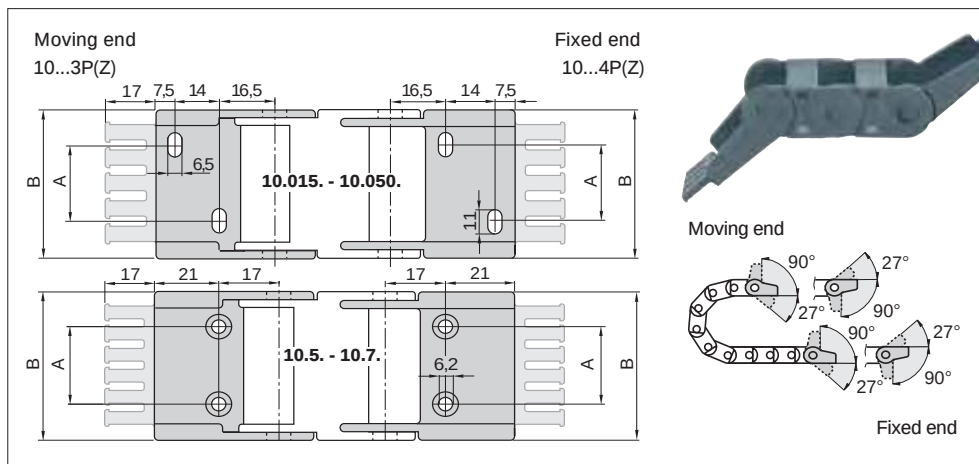
For a simple vertical subdivision on e-chains®. Separators can be arranged anywhere in the e-chain® cross section. Interior separation for Series 10.015.R.0 not possible!

Series 10 | Optional | With molded-in vertical separation

non snap-open	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Side compartment Dim. A [mm]	Middle compartment Dim. B [mm]	Weight [kg/m]
10. 038 .R.0.S	38	49	075	10	15	≈ 0,79
10. 050 .R.0.S	50	61	075	13	21	≈ 0,85

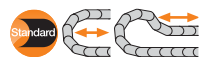


Supplement Part No. with required radius (*R*). Example: 10.038.075.0.S or 10.050.075.0.S

Polymer pivoting, one-piece | Standard

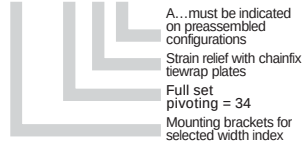
Recommended for unsupported and gliding applications

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
015.	▶ 1015.34PZ	1015.34P	—	25,5	2
025.	▶ 1025.34PZ	1025.34P	10	35,5	3
038.	▶ 1038.34PZ	1038.34P	23	48,5	4
050.	▶ 1050.34PZ	1050.34P	35	60,5	5
5.	▶ 105. 34PZ	105. 34P	48	75	6
6.	▶ 106. 34PZ	106. 34P	65	92	8
7.	▶ 107. 34PZ	107. 34P	85	112	10



- Standard
- For tight installation conditions
- Strain relief with detachable tiewrap plates
- Variable traverse angle
- Corrosion-resistant
- Various installation options on the fixed end and/or the moving end

Part No. structure (pivoting)

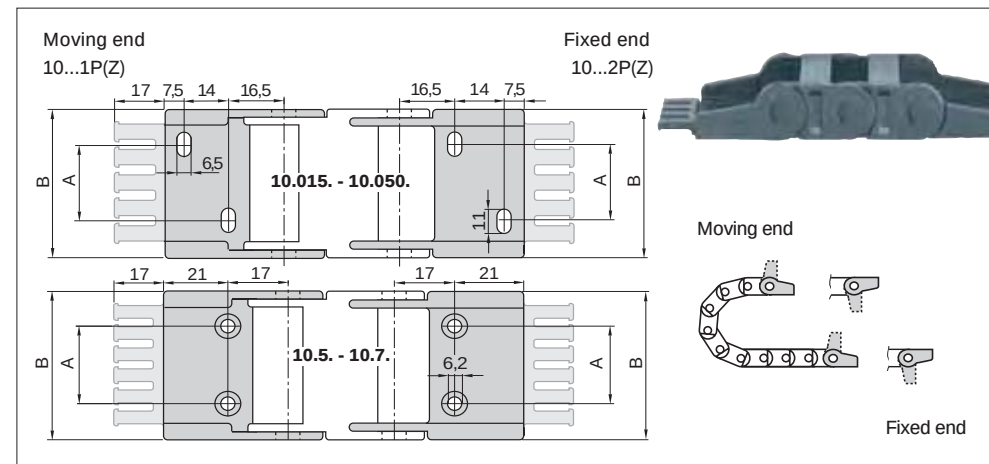
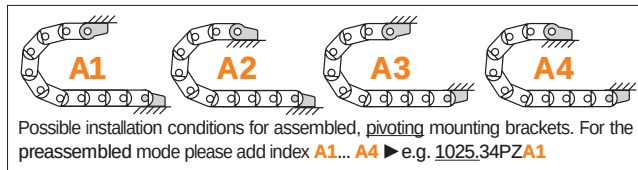
1025. 34 PZ **A1**

Single-part order

Mounting bracket Moving end

1025. 3 PZ **A1** (preass. + tiewrap plate)

Mounting bracket Fixed end

1025. 4 PZ **A1** (preass. + tiewrap plate)Polymer locking, one-piece

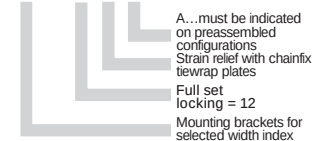
Recommended for vertical hanging and standing applications

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
015.	▶ 1015.12PZ	1015.12P	—	25,5	2
025.	▶ 1025.12PZ	1025.12P	10	35,5	3
038.	▶ 1038.12PZ	1038.12P	23	48,5	4
050.	▶ 1050.12PZ	1050.12P	35	60,5	5
5.	▶ 105. 12PZ	105. 12P	48	75	6
6.	▶ 106. 12PZ	106. 12P	65	92	8
7.	▶ 107. 12PZ	107. 12P	85	112	10



- Locked connections
- At very high speed and/or acceleration
- If space is limited for height (the H_F measurement)
- Various installation options on the fixed end and/or the moving end

Part No. structure (locking)

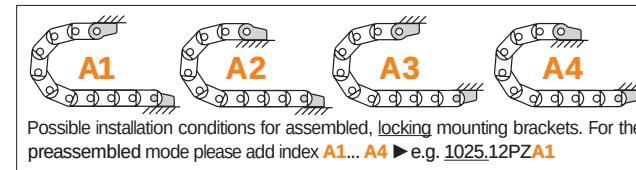
1025. 12 PZ **A1**

Single-part order

Mounting bracket Moving end

1025. 1 PZ **A1** (preass. + tiewrap plate)

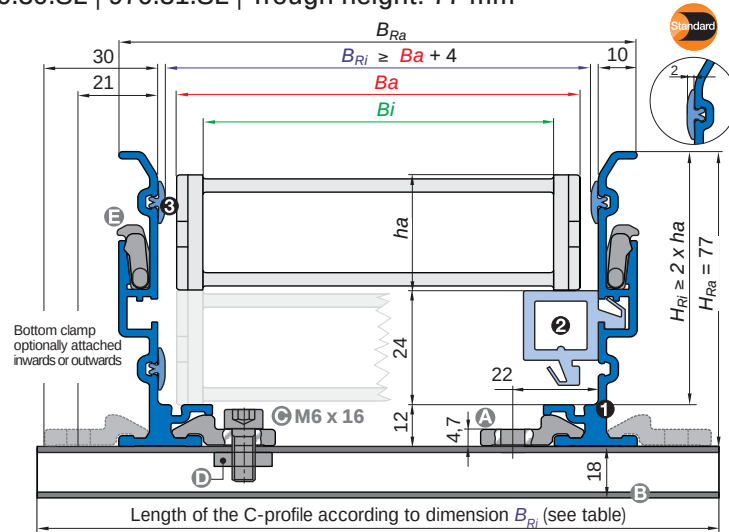
Mounting bracket Fixed end

1025. 2 PZ **A1** (preass. + tiewrap plate)

Installation set "Basic" with C-Profile

Bottom clamp optionally
attached inwards or outwards

For Width Index	B_{Ri} [mm]	Part No. attached inwards	Part No. attached outwards
.015	30	upon request	960.30.125
.025	40	upon request	960.30.150
.038	53	upon request	960.30.150
.050	65	960.30.125	960.30.175
.5	80	960.30.125	960.30.175
.6	98	960.30.150	960.30.200
.7	117	960.30.175	960.30.225



- Components, trough "Basic": ❶ Trough side parts, aluminum, 2 m ❷ Glide bar, plastic, 2 m ❸ Glide strips, plastic, 2 m (without glide strips on request) ● Components, installation set "Basic": ❹ Bottom clamp, aluminum ❺ C-profile, galvanized steel ► table ❻ Screw M6 x 16 ❼ Sliding nut M6 ❽ Interface connector, plastic



Order example: Length of travel 30 m -

Center mounted for Series 10.5.038.0 with $B_{Ri} = 80$

Guide trough set **without** glide bar (set of 2 trough side parts, incl. glide strips)

Order text: 16 m guide trough without glide bar (8 x 2 m sections) Part No. 970.30.SL

Guide trough set **with** glide bar (set of 2 trough side parts, incl. glide strips)

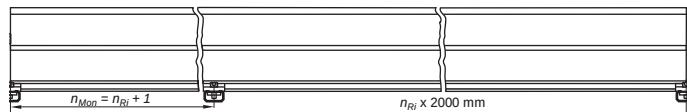
Order text: 16 m guide trough with glide bar (8 x 2 m sections) Part No. 970.31.SL

Installation set "Basic" complete (guide trough-sets + 1)

Order text: 17 installation sets

Module for the fixed end

Order text: 1 set Part No. 970.80



Principle sketch: Number of installation sets to be installed = Number of trough sections + 1



Aluminum SuperTrough "Basic"
in detail ► from page 1190



- Trough set ● C-profile B_{Ri} = Inner trough width H_{Ra} = Outer trough height
● Installation set Ba = Outer width e-chains® B_{Ra} = Outer trough width n_{max} = Number of installation sets
● Glide bar Bi = Inner width e-chains® H_{Ri} = Inner trough height n_{Ri} = Number of trough sets



E2 mini - space-saving, extremely reliable solution. Elevator door application pictured here

Mounting bracket
with strain
relief option

One-piece design,
non snap-open

Lightweight,
torsional stability

Dirt-repellent
exterior

+ Large inner height

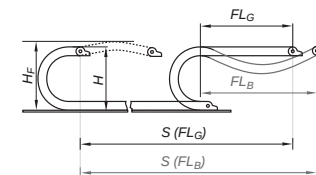
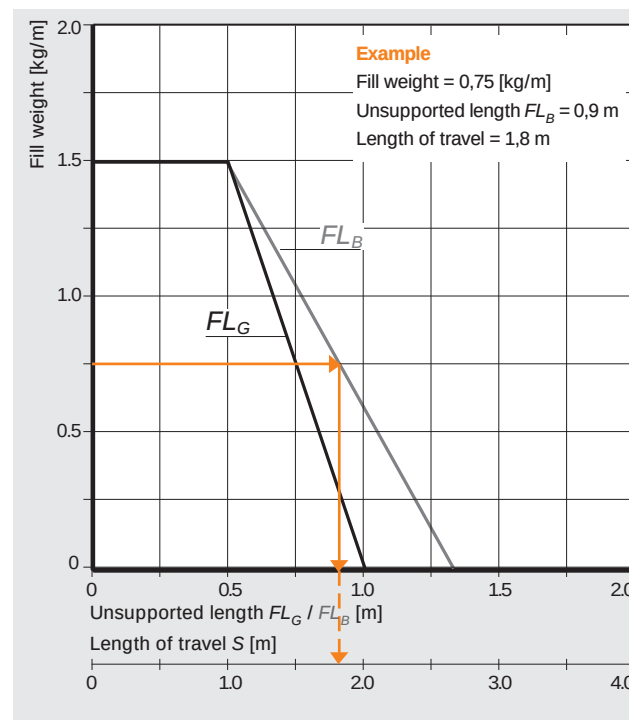
When to use the Series 11.031 E2 mini:

- If an e-chain® with an inner height of 23 mm and small bending radii is required
- For inner widths up to 31 mm
- For unsupported lengths up to 1,3 m and fill weights up to 1,5 kg/m
- If a small e-chain® with extra torsional rigidity is required
- If a one-piece, non snap-open e-chain® is required



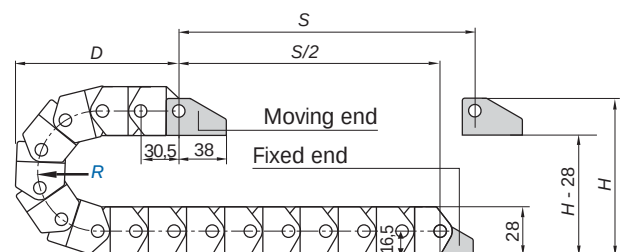
When to use a different igus® Series:

- If extremely quick opening of the links is necessary
 - ▶ similar width/height from Series zipper
- If quick insertion of cables with preassembled connectors is required
 - ▶ similar width/height from Series easy chain®



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 95



Technical Data

Speed, material, temperature and flammability class ▶ page 352

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

R	045	070
H	123	173
D	107	132
K	205	285

The required clearance height: $H_F = H + 20$ mm (with 0,5 kg/m fill weight)

Available from stock. Delivery time* in 24h or today!
*Delivery time means time until shipping of goods (after technical release)

3D-CAD files, configurators, PDF ▶ www.igus.eu/eu/11.031

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
 $K = \pi \cdot R + \text{"safety"}$



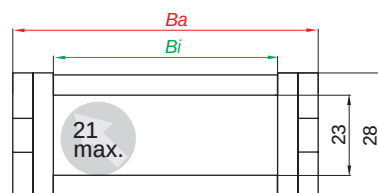
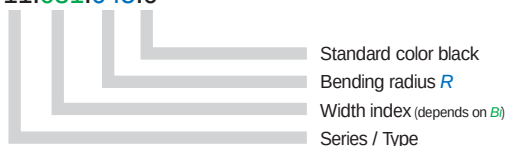
Series 11.031 | One-piece, non snap-open e-chain®

non snap-open	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/m]
11.031. <i>R</i> .0	31	41,2	045 070	≈ 0,43

Supplement Part No. with required radius (*R*). Example: 11.031.045.0



Order key
11.031.045.0



e-chain® links as single parts, overview ► page 353

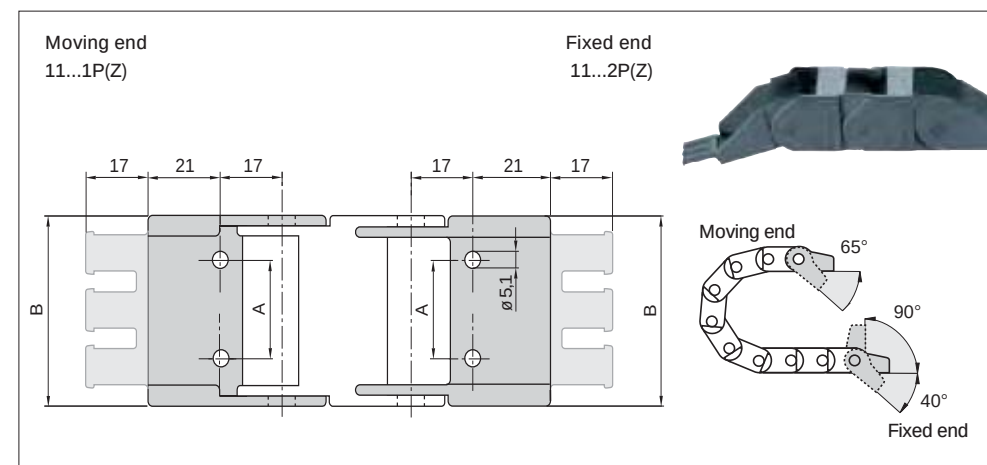


Configuration options and order keys, overview ► page 354



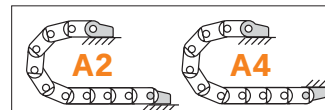
Available from stock. **Delivery time* in 24h or today!**

*Delivery time means time until shipping of goods (after technical release)



Polymer pivoting, 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
031. ►	11.031.12PZ	11.031.12P	16	42	3



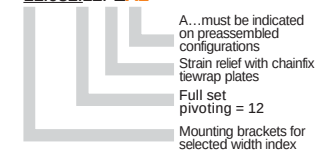
Possible installation conditions:
For the preassembled mode
please add index **A2** or **A4**
► e.g. 11.031.12PZ**A2**



- 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

11.031.12PZ**A2**



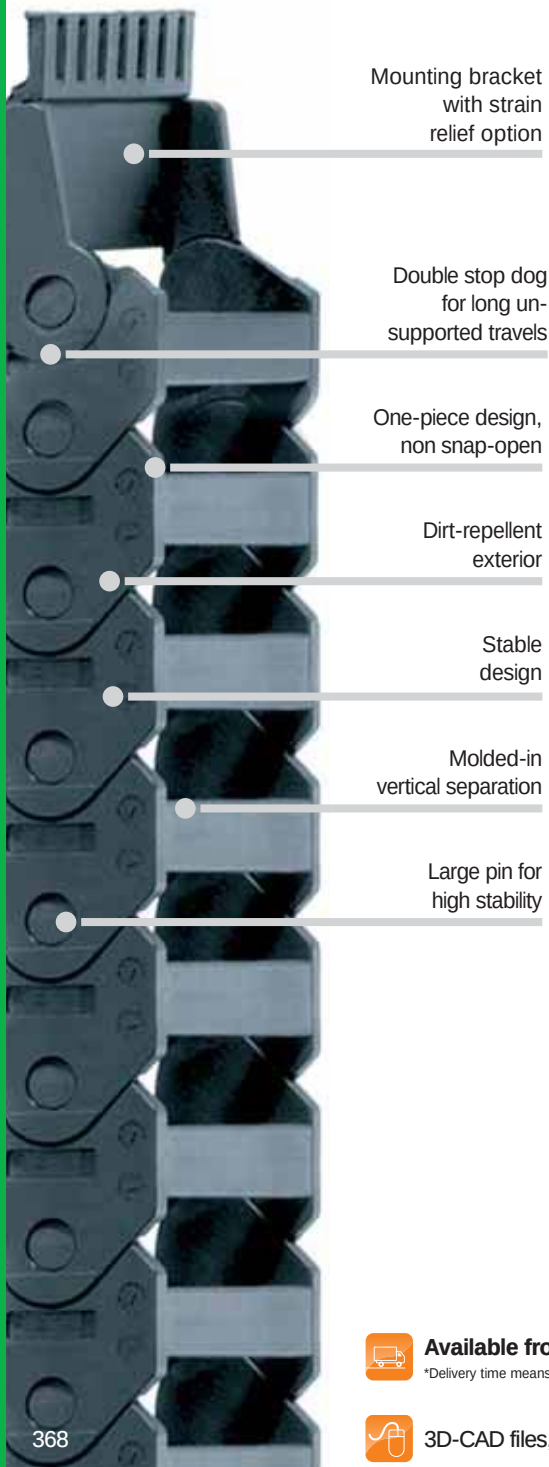
Single-part order

Mounting bracket Moving end

11.031.1PZ**A2** (preass. + tiewrap plate)

Mounting bracket Fixed end

11.031.2PZ**A2** (preass. + tiewrap plate)



Mounting bracket
with strain
relief option

Double stop dog
for long un-
supported travels

One-piece design,
non snap-open

Dirt-repellent
exterior

Stable
design

Molded-in
vertical separation

Large pin for
high stability

+ Large inner height

When to use the Series 11.080 E2 mini:

- If an e-chain® with an inner height of 28 mm and small bending radii is required
- For unsupported lengths up to 1,5 m and fill weights up to 1,5 kg/m
- If a one-piece, non snap-open e-chain® is required

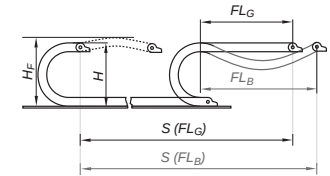
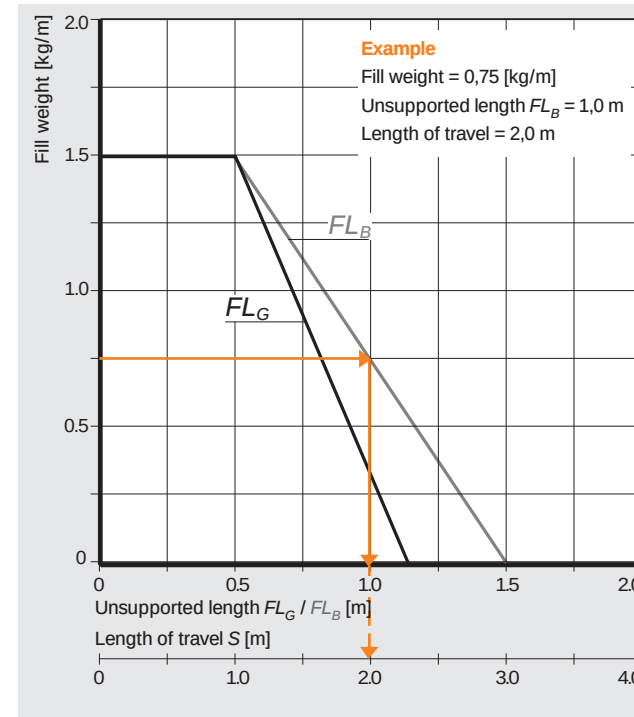


When to use a different igus® Series:

- If extremely quick opening of the links is necessary
 - ▶ similar width/height from Series zipper
- If quick insertion of cables with preassembled connectors is required
 - ▶ similar width/height from Series easy chain®



Series 11.080 features a molded-in vertical separation. More information ▶ page 370



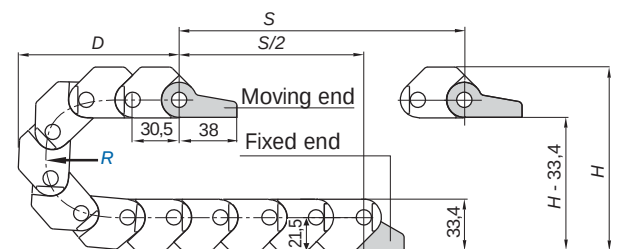
Standard Unsupported applications

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 95

Technical Data

Speed, material, temperature and flammability class ▶ page 352

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



R	038
H	119
D	105
K	185

The required clearance height: $H_F = H + 20$ mm (with 0,5 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
 $K = \pi \cdot R + \text{"safety"}$



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

*Delivery time means time until shipping of goods (after technical release)

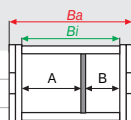


3D-CAD files, configurators, PDF ▶ www.igus.eu/eu/11.080



Series 11.080 | non snap-open e-chain® with molded-in vertical separation

non snap-open	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]		Dim. A [mm]	Dim. B [mm]	Weight [kg/m]
11. 080 . <i>R</i> .0	80	93	038		46	32	≈ 0.73



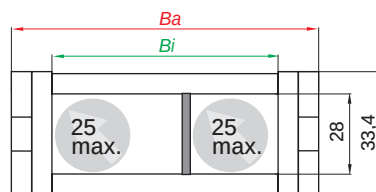
Supplement Part No. with required radius (R). Example: 11.080.038.0



Order key
11.080.038.0



- Standard color black
- Bending radius R
- Width index (depends on B)
- Series / Type



e-chain® links as single parts, overview ► page 353

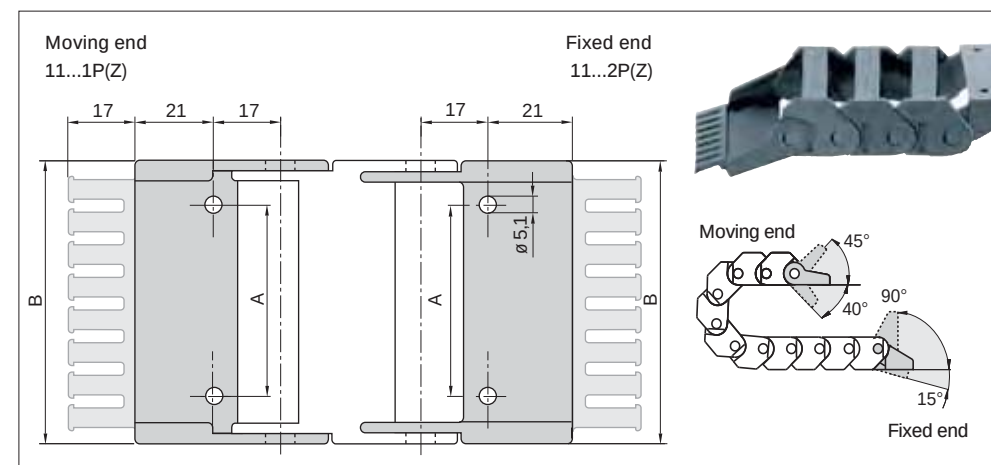


Configuration options and order keys, overview ► page 354



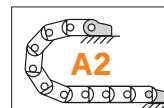
Available from stock. Delivery time* in 24h or today!

*Delivery time means time until shipping of goods (after technical release)



Polymer pivoting, one-piece | Universal for e-chains®
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
080.	11.080.12PZ	11.080.12P	65	93	8



Possible installation conditions for assembled mounting brackets: For the preassembled mode please add index **A2**
► e.g. 11.080.12PZ**A2**



- One-piece mounting bracket
- Available with or without strain relief tie-wrap plates
- Corrosion-resistant

Part No. structure

11.080.12PZA2



Single-part order

Mounting bracket Moving end

11.080.1PZ**A2** (preass. + tie-wrap plate)

Mounting bracket Fixed end

11.080.2PZ**A2** (preass. + tie-wrap plate)

Mounting bracket
with strain
relief option

Increased
inner height

Dirt-repellent
exterior

One-piece design,
non snap-open

+ Very large inner height, small outer width

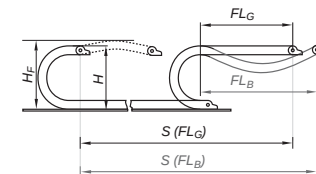
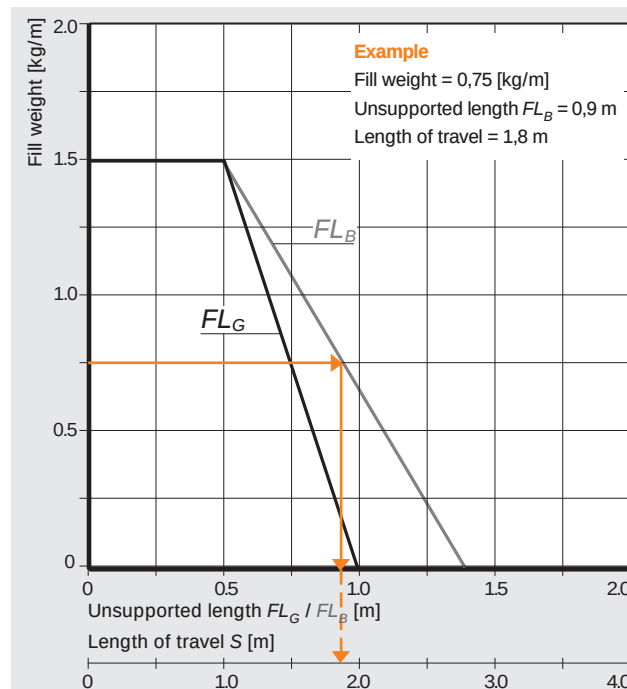
When to use the Series 11.1·11.2 E2 mini:

- If an e-chain® with an inner height of 41 mm and small bending radii is required
- For inner widths up to 25 mm
- For unsupported lengths up to 1,35 m and fill weights up to 1,5 kg/m
- If space is restricted
- If many cables are arranged vertically adjacent
- If a one-piece, non snap-open e-chain® is required



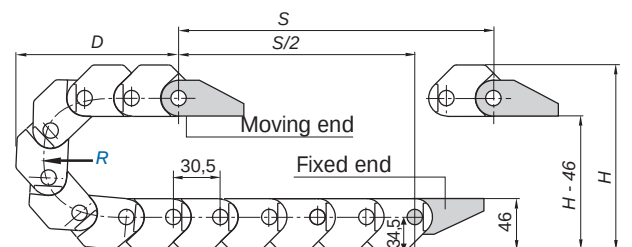
When to use a different igus® Series:

- If extremely quick opening of the links is necessary
 - similar width/height from Series zipper
- If quick insertion of cables with preassembled connectors is required
 - similar width/height from Series easy chain®



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 95



Technical Data

Speed, material, temperature and flammability class ► page 352

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

R	040	063	075	100
H	149	195	219	269
D	120	143	155	180
K	190	260	300	380

The required clearance height: $H_F = H + 20$ mm (with 0,5 kg/m fill weight)



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

*Delivery time means time until shipping of goods (after technical release)



3D-CAD files, configurators, PDF ► www.igus.eu/eu/11.1



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
 $K = \pi \cdot R + \text{"safety"}$



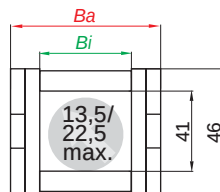
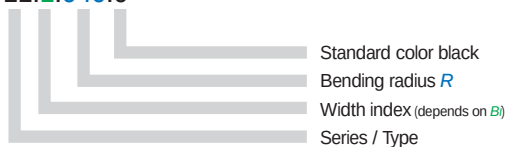
Series 11.1·11.2 | One-piece, non snap-open e-chain®

non snap-open	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/m]
11.1. <i>R</i> .0	15	25,5	040 063 075 100	≈ 0,50
11.2. <i>R</i> .0	25	35,5	040 063 075 100	≈ 0,53

Supplement Part No. with required radius (*R*). Example: 11.1.040.0



Order key
11.1.040.0



e-chain® links as single parts, overview ► page 353

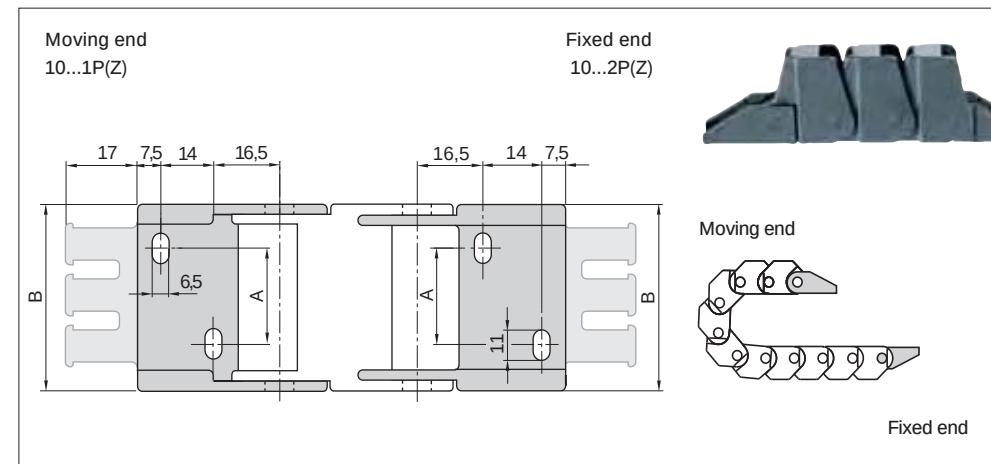


Configuration options and order keys, overview ► page 354



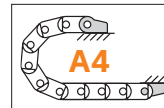
Available from stock. **Delivery time*** in 24h or today!

*Delivery time means time until shipping of goods (after technical release)



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.	► 101.12PZ	101.12P	—	26	2
2.	► 102.12PZ	102.12P	10	36	3



Possible installation conditions for assembled mounting brackets: For the preassembled mode please add index **A4**
► e.g. 101.12PZ**A4**



- One-piece mounting bracket
- Available with or without strain relief tiewrap plates
- Corrosion-resistant

Part No. structure

101. 12 PZ **A4**



Single-part order

Mounting bracket Moving end

101. 1PZ**A4** (preass. + tiewrap plate)

Mounting bracket Fixed end

101. 2PZ**A4** (preass. + tiewrap plate)

+ Snap-open along inner radius

When to use the Series 14 E2 mini:

- If an e-chain® with an inner height of 20 mm and small bending radii is required
- For inner widths up to 50 mm
- For unsupported lengths up to 0,65 m and fill weights up to 0,5 kg/m
- If snap-open mechanism with film-hinge is required



When to use a different igus® Series:

- For gliding applications
- Series 15 zipper, page 260
- For long unsupported travels
- Series 15 zipper, page 260

Mounting bracket
with strain
relief option

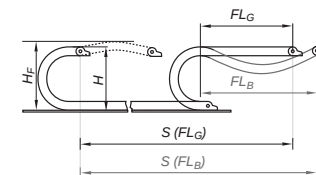
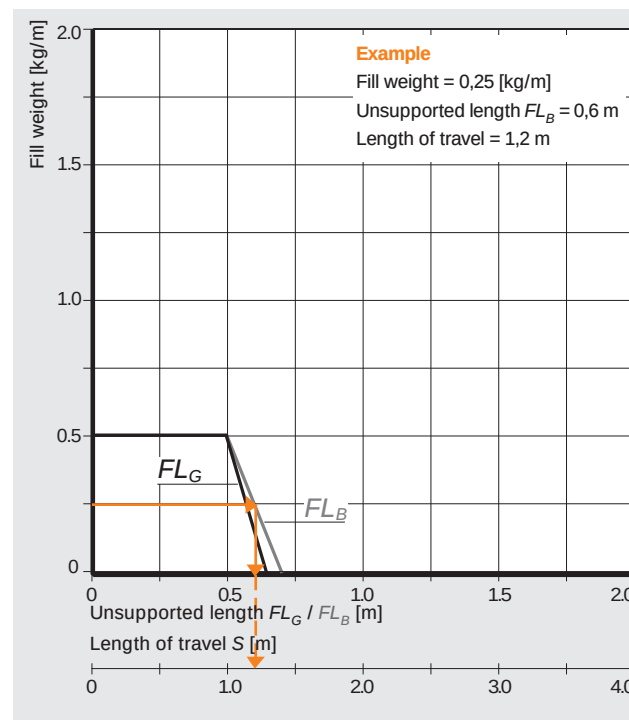
UL94-V2
classifications

One-piece
link-design

Crossbar, snap-open along
inner radius with film-hinge

Dirt-repellent
exterior

Closed
outside



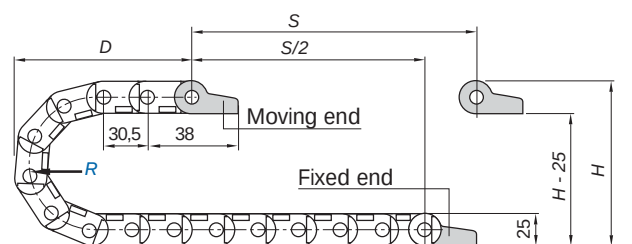
Standard Unsupported applications

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 95

Technical Data

Speed, material, temperature and flammability class ► page 352

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



R	028	038	048	075	100	125
H	81	101	121	175	225	275
D	86	96	106	133	158	183
K	150	185	215	300	380	455

The required clearance height: $H_F = H + 20$ mm (with 0,5 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 = $\pi \cdot R$ + "safety"



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

*Delivery time means time until shipping of goods (after technical release)



3D-CAD files, configurators, PDF ► www.igus.eu/eu/14



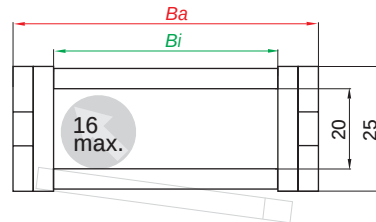
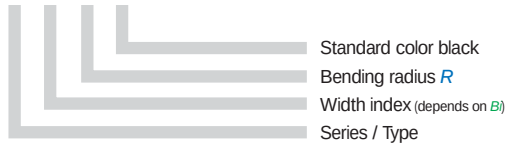
Series 14 | One-piece, snap-open along inner radius with film-hinge

Snap-open along inner radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/m]
14.1. <i>R</i> .0	15	26	028 038 048 075 100 125	≈ 0,31
14.2. <i>R</i> .0	25	36	028 038 048 075 100 125	≈ 0,32
14.3. <i>R</i> .0	38	49	028 038 048 075 100 125	≈ 0,40
14.4. <i>R</i> .0	50	61	028 038 048 075 100 125	≈ 0,41

Supplement Part No. with required radius (*R*). Example: 14.2.038.0



Order key
14.2.038.0



e-chain® links as single parts, overview ► page 353

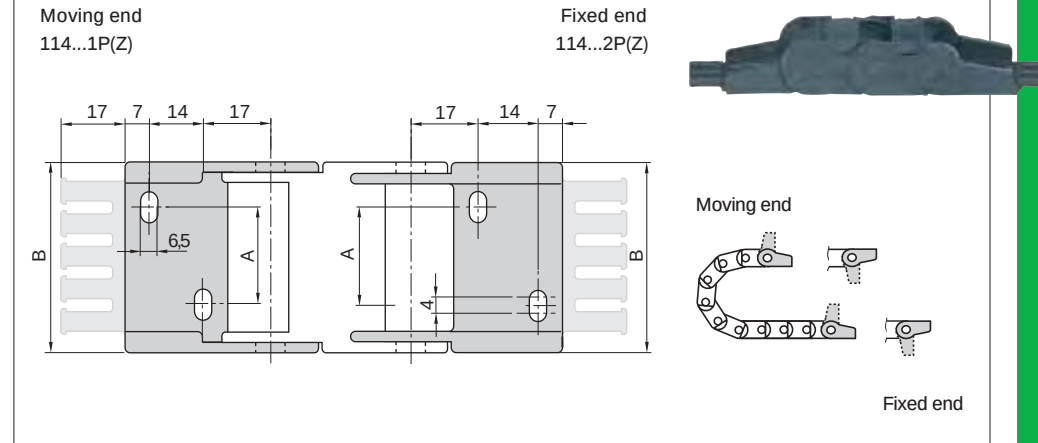


Configuration options and order keys, overview ► page 354



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

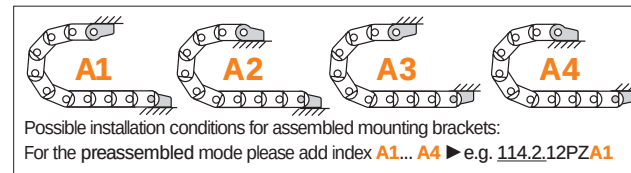
*Delivery time means time until shipping of goods (after technical release)



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.	► 114.1.12PZ	114.1.12P	—	26,3	2
2.	► 114.2.12PZ	114.2.12P	10	36,3	3
3.	► 114.3.12PZ	114.3.12P	23	49,3	4
4.	► 114.4.12PZ	114.4.12P	35	61,3	5

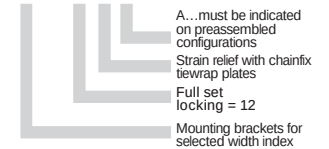
Material mounting bracket - igumid G, permitted temp. -40° up to +120° C, VDE 0304 IIC UL94-HB



- 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

114.2.12PZA1



Single-part order

Mounting bracket Moving end

114.2.1PZA1 (preass. + tiewrap plate)

Mounting bracket Fixed end

114.2.2PZA1 (preass. + tiewrap plate)

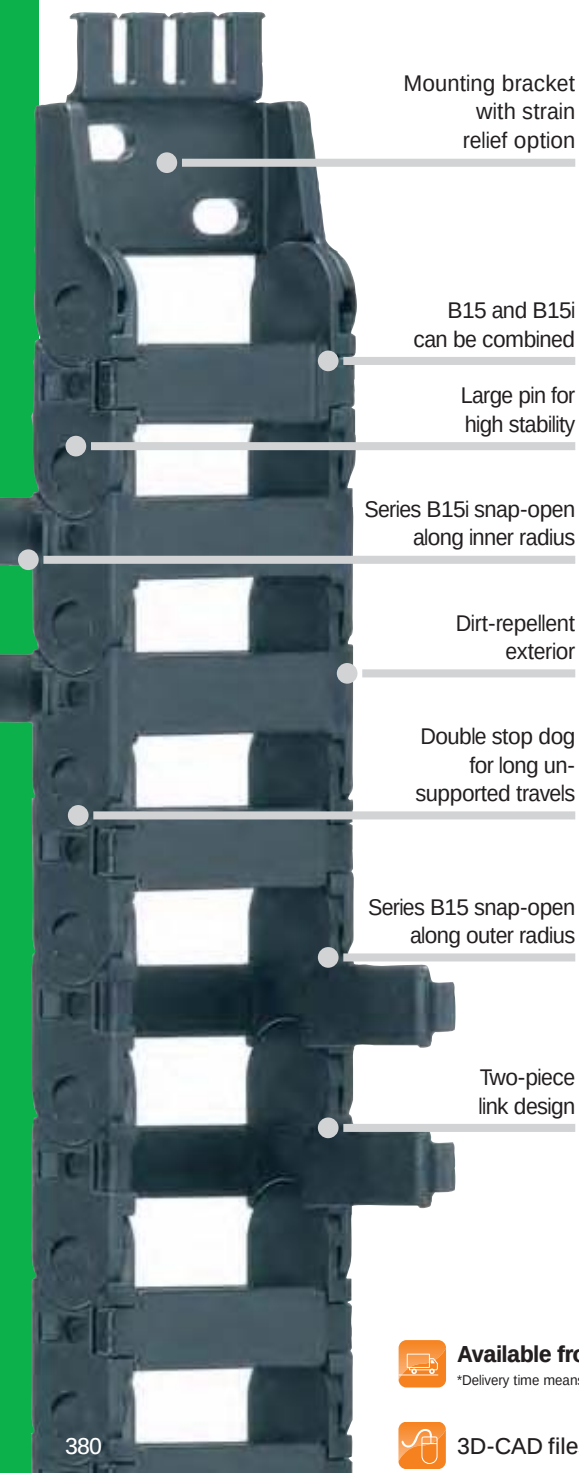
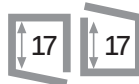
Additional Features



Quicksnap - the complete, detachable mounting unit, available upon request



Quickfix - mounting bracket with dowel, available upon request



Mounting bracket
with strain
relief option

B15 and B15i
can be combined

Large pin for
high stability

Series B15i snap-open
along inner radius

Dirt-repellent
exterior

Double stop dog
for long un-
supported travels

Series B15 snap-open
along outer radius

Two-piece
link design

+ Snap-open along inner and outer radius

When to use the Series B15i·B15 E2 mini:

- If an e-chain® with an inner height of 17 mm and small bending radii is required
- For inner widths up to 100 mm
- For unsupported lengths up to 1,2 m and fill weights up to 1,5 kg/m
- If a small but very stable e-chain® is required
- If a two-piece, snap-open e-chain® is required
- If an interior separation is required



When to use a different igus® Series:

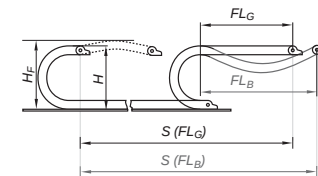
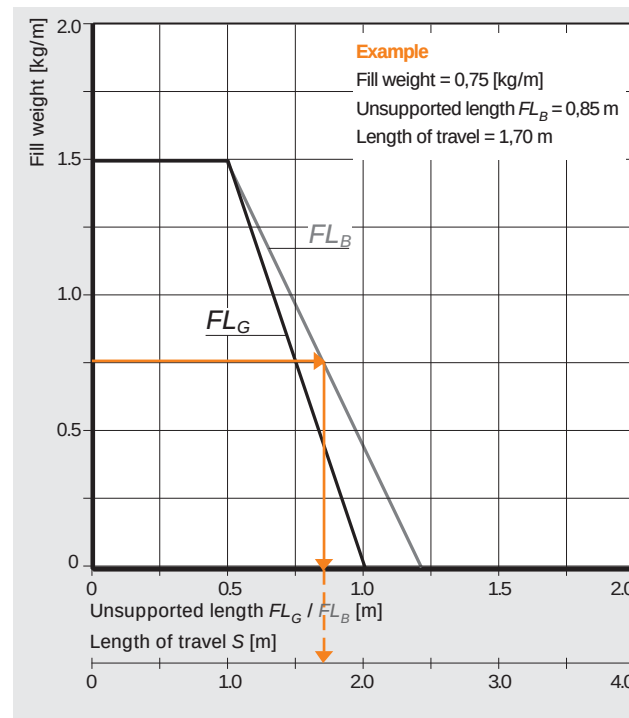
- If snap-open links are not necessary
- Series 10 E2 mini, page 356
- If torsion occurs
- Series E14 easy chain®, page 180

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

*Delivery time means time until shipping of goods (after technical release)



3D-CAD files, configurators, PDF ► www.igus.eu/eu/B15



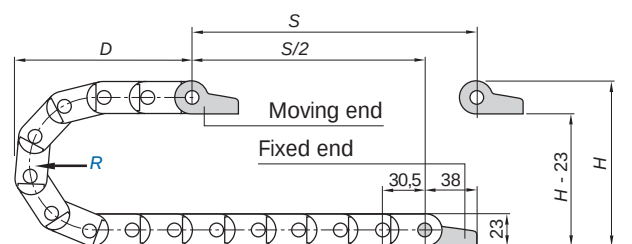
Standard Unsupported applications

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 95

Technical Data

Speed, material, temperature and flammability class ► page 352

Pitch = 30,5 mm/link
Links/m = 33 (1006,5 mm)
Chain length = $\frac{S}{2} + K$



R	038	048	075	100	110	125	145	180
H	99	119	173	223	243	273	313	383
D	95	105	132	157	167	182	202	237
K	185	215	300	380	410	455	520	630

The required clearance height: $H_F = H + 20$ mm (with 0,5 kg/m fill weight)

Before using this Series on long travels please consult igus®.



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 = $\pi \cdot R$ + "safety"



Series B15i snap-open along inner radius | Series B15 along outer radius | Standard

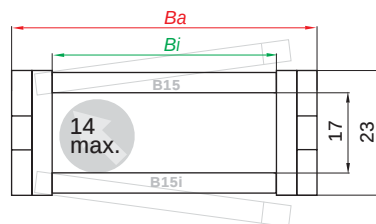
Snap-open along inner radius	Snap-open along outer radius	Standard	Bi [mm]	Ba [mm]	R Bending radii [mm]	B15i [kg/m]	B15 [kg/m]
B15i. 015 .R.0	B15. 015 .R.0		15	26	038 048 075 100 110 125 145 180	≈ 0,35	≈ 0,35
B15i. 025 .R.0	B15. 025 .R.0		25	36	038 048 075 100 110 125 145 180	≈ 0,40	≈ 0,40
B15i. 038 .R.0	B15. 038 .R.0		38	49	038 048 075 100 110 125 145 180	≈ 0,46	≈ 0,46
B15i. 050 .R.0	B15. 050 .R.0		50	61	038 048 075 100 110 125 145 180	≈ 0,52	≈ 0,52
B15i. 5 .R.0	B15. 5 .R.0		63	76	038 048 075 100 110 125 145 180	≈ 0,63	≈ 0,63
B15i. 6 .R.0	B15. 6 .R.0		80	94	038 048 075 100 110 125 145 180	≈ 0,70	≈ 0,70
B15i. 7 .R.0	B15. 7 .R.0		100	113	038 048 075 100 110 125 145 180	≈ 0,76	≈ 0,76

Supplement Part No. with required radius (R). Example: B15.025.038.0

Before using this Series on long travels please consult igus*.

Order key
B15. 025. 038. 0

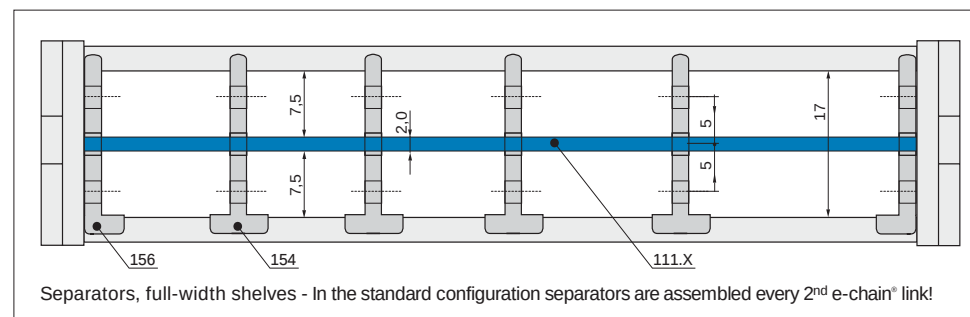
Standard color black
Bending radius R
Width index (depends on Bi)
Series / Type



e-chain* links as single parts, overview ► page 353

Configuration options and order keys, overview ► page 354

Available from stock. **Delivery time*** in 24h or today!
*Delivery time means time until shipping of goods (after technical release)



		Slotted separator for e-chains*	
		unassembled	153
		assembled	154

Slotted separator 153

is used when vertical and horizontal separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.

		Side plate for e-chains*	
		unassembled	155
		assembled	156

Side plate 155

Side plate for use with full-width shelf 110.X and slotted separator 153.

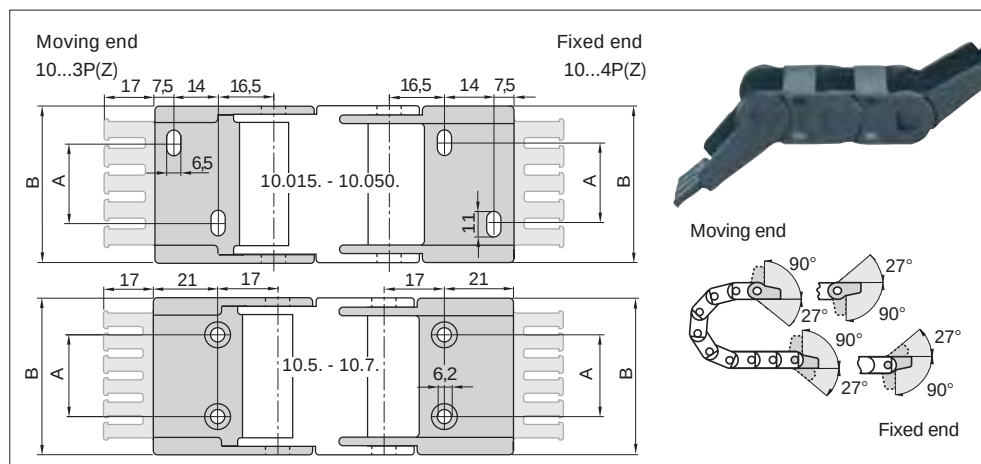
		Full-width shelf for e-chains*	
		unassembled	110.X
		assembled	111.X

Full-width shelf 110.X

this option makes sense in applications with many thin cables with similar diameters. For a consequent subdivision. Full-width shelves can be arranged at 3 different heights (in 5 mm increments).

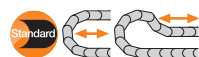
Full-width shelves

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

Polymer pivoting, one-piece | Standard

Recommended for unsupported and gliding applications

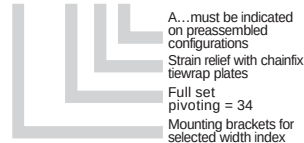
Width Index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	Dim. A [mm]	Dim. B [mm]	Number of teeth
015. ▶	1015.34PZ	1015.34P	—	25,5	2
025. ▶	1025.34PZ	1025.34P	10	35,5	3
038. ▶	1038.34PZ	1038.34P	23	48,5	4
050. ▶	1050.34PZ	1050.34P	35	60,5	5
5. ▶	105. 34PZ	105. 34P	48	75	6
6. ▶	106. 34PZ	106. 34P	65	92	8
7. ▶	107. 34PZ	107. 34P	85	112	10



- Standard
- For tight installation conditions
- Strain relief with detachable tiewrap plates
- Variable traverse angle
- Corrosion-resistant
- Various installation options on the fixed end and/or the moving end

Part No. structure

1025. 34 PZ A1



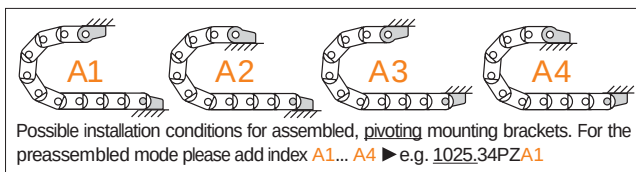
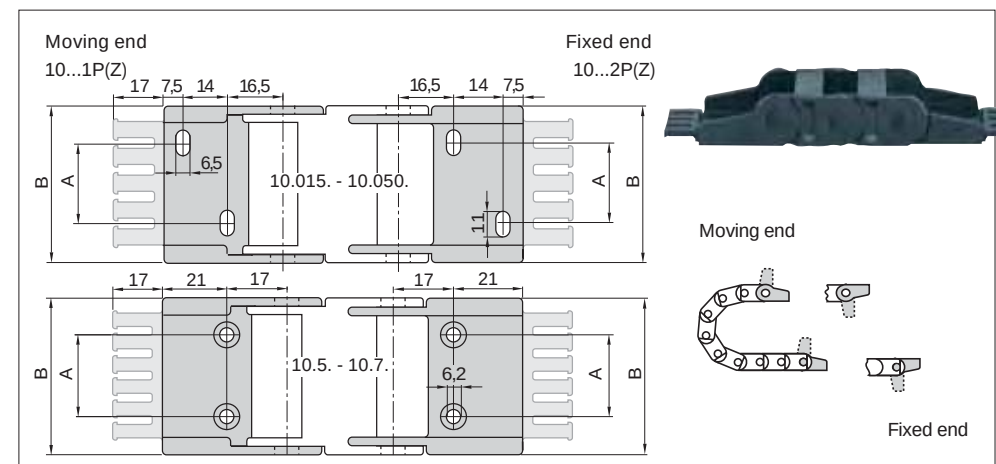
Single-part order

Mounting bracket Moving end

1025. 3 PZ A1 (preass. + tiewrap plate)

Mounting bracket Fixed end

1025. 4 PZ A1 (preass. + tiewrap plate)

Possible installation conditions for assembled, pivoting mounting brackets. For the preassembled mode please add index A1... A4 ▶ e.g. 1025.34PZA1Polymer locking, one-piece

Recommended for vertical hanging and standing 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
015. ▶	1015.12PZ	1015.12P	—	25,5	2
025. ▶	1025.12PZ	1025.12P	10	35,5	3
038. ▶	1038.12PZ	1038.12P	23	48,5	4
050. ▶	1050.12PZ	1050.12P	35	60,5	5
5. ▶	105. 12PZ	105. 12P	48	75	6
6. ▶	106. 12PZ	106. 12P	65	92	8
7. ▶	107. 12PZ	107. 12P	85	112	10



- Locked connections
- At very high speed and/or acceleration
- If space is limited for height (the H_F measurement)
- Various installation options on the fixed end and/or the moving end

Part No. structure (locking)

1025. 12 PZ A1



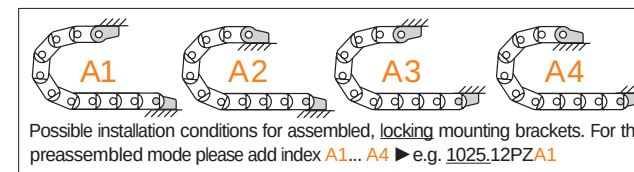
Single-part order

Mounting bracket Moving end

1025. 1 PZ A1 (preass. + tiewrap plate)

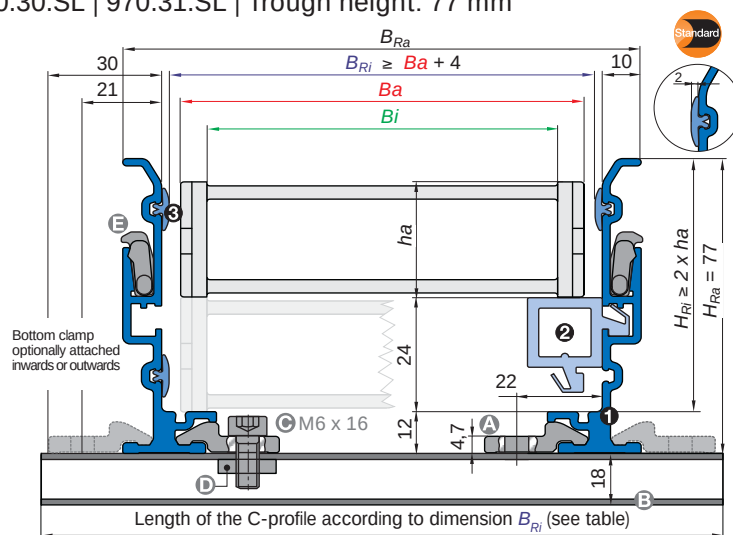
Mounting bracket Fixed end

1025. 2 PZ A1 (preass. + tiewrap plate)

Possible installation conditions for assembled, locking mounting brackets. For the preassembled mode please add index A1... A4 ▶ e.g. 1025.12PZA1

Installation set "Basic"
with C-ProfileBottom clamp optionally
attached inwards or outwards

For Width Index	B_{Ri} [mm]	Part No. attached inwards	Part No. attached outwards
.015	30	upon request	960.30.125
.025	40	upon request	960.30.150
.038	53	upon request	960.30.150
.050	65	960.30.125	960.30.175
.5	80	960.30.125	960.30.175
.6	98	960.30.150	960.30.200
.7	117	960.30.175	960.30.225



- Components, trough "Basic": ① Trough side parts, aluminum, 2 m ② Glide bar, plastic, 2 m ③ Glide strips, plastic, 2 m (without glide strips on request) ● Components, installation set "Basic": ④ Bottom clamp, aluminum ⑤ C-profile, galvanized steel ► table ⑥ Screw M6 x 16 ⑦ Sliding nut M6 ⑧ Interface connector, plastic



Order example: Length of travel 30 m -
Center mounted for Series B15.025.038.0 with $B_{Ri} = 40$

Guide trough set without glide bar (set of 2 trough side parts, incl. glide strips)

Order text: 16 m guide trough without glide bar (8 x 2 m sections) Part No. 970.30.SL

Guide trough set with glide bar (set of 2 trough side parts, incl. glide strips)

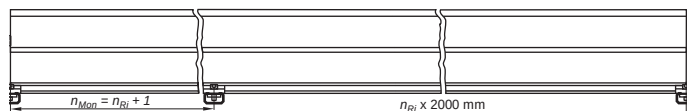
Order text: 16 m guide trough with glide bar (8 x 2 m sections) Part No. 970.31.SL

Installation set "Basic" complete (guide trough-sets + 1)

Order text: 17 installation sets Part No. 960.30.150

Module for the fixed end

Order text: 1 set Part No. 970.80



Principle sketch: Number of installation sets to be installed = Number of trough sections + 1



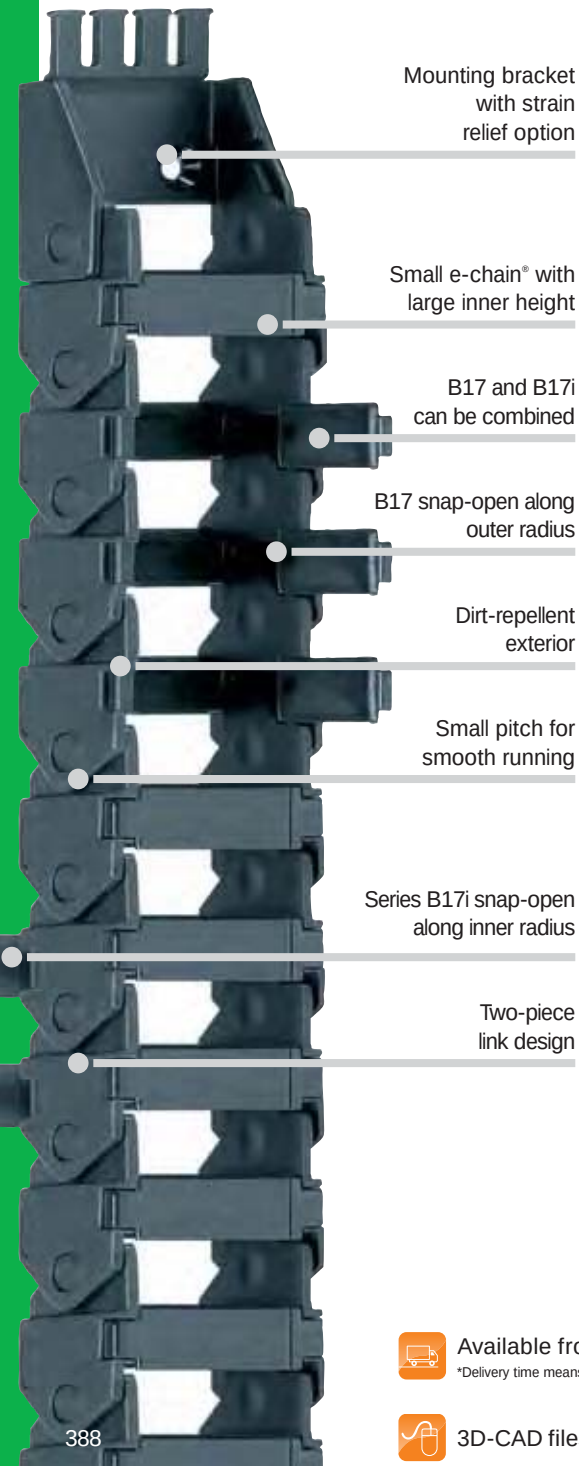
Aluminum SuperTrough "Basic"
in detail ► from page 1190



- Trough set
- Installation set
- Glide bar
- C-Profile
- B_a = Outer width e-chains"
- B_{i} = Inner width e-chains"
- B_{Ri} = Inner trough width
- B_{Ra} = Outer trough width
- H_{Ri} = Inner trough height
- H_{Ra} = Outer trough height
- n_{set} = Number of installation sets
- n_{tr} = Number of trough sets



Five E2 mini e-chains", 3 side by side, 2 sets nested - the bending radii are exactly adjusted to one another



Mounting bracket
with strain
relief option

Small e-chain® with
large inner height

B17 and B17i
can be combined

B17 snap-open along
outer radius

Dirt-repellent
exterior

Small pitch for
smooth running

Series B17i snap-open
along inner radius

Two-piece
link design

+ Snap-open along inner and outer radius

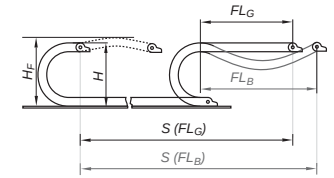
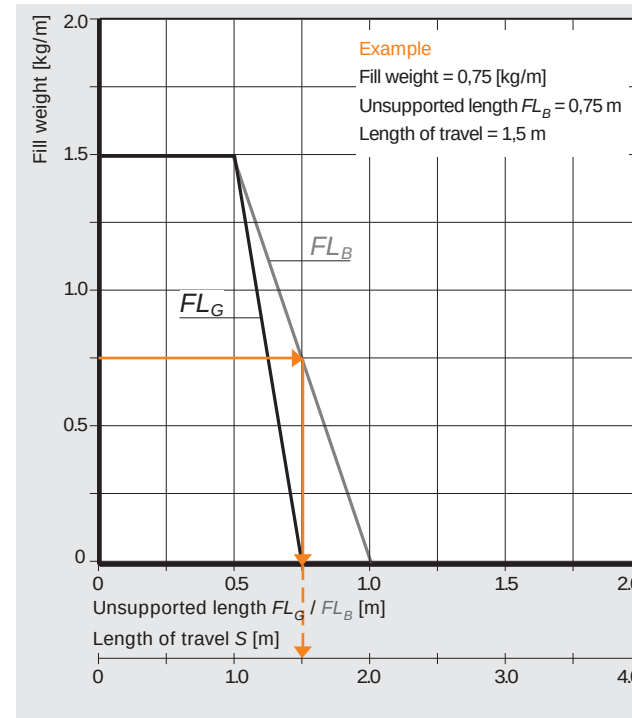
When to use the Series B17i·B17 E2 mini:

- 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 small e-chain® with a large inner height is required
- If a two-piece, snap-open e-chain® is required
- If quick insertion of cables with preassembled connectors is required
- If an interior separation is required



When to use a different igus® Series:

- If quick opening of the links is required
- Series 17 zipper, page 276



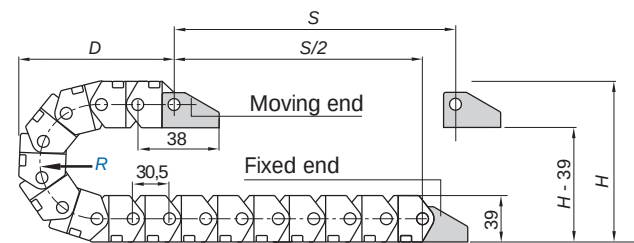
Standard Unsupported applications

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 95

Technical Data

Speed, material, temperature and flammability class ► page 352

Pitch = 30,5 mm/link
Links/m = 33 (1006,5 mm)
Chain length = $\frac{S}{2} + K$



R	048	063	075	100	125
H	135	165	189	239	289
D	113	128	140	165	190
K	215	260	300	380	455

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

Radii for several widths available upon request (please see delivery program table).



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
 $K = \pi \cdot R + \text{"safety"}$



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

*Delivery time means time until shipping of goods (after technical release)



3D-CAD files, configurators, PDF ► www.igus.eu/eu/B17



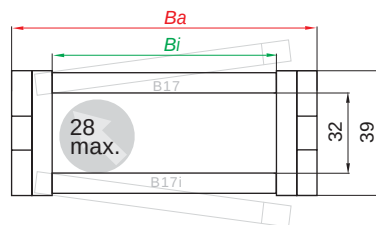
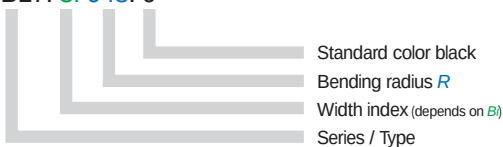
Series B17i snap-open along inner radius | Series B17 along outer radius | Standard

Snap-open along inner radius	Snap-open along outer radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	B17i [kg/m]	B17 [kg/m]
B17i.1.R.0**	B17.1.R.0	15	25,5	048 ¹⁾ 063 075 100 125	≈ 0,52	≈ 0,52
B17i.2.R.0	B17.2.R.0	25	35,5	048 063 ¹⁾ 075 ¹⁾ 100 ¹⁾ 125 ¹⁾	≈ 0,59	≈ 0,59
B17i.3.R.0	B17.3.R.0	38	48,5	048 063 075 100 125	≈ 0,65	≈ 0,65
B17i.4.R.0	B17.4.R.0	50	60,5	048 ¹⁾ 063 ¹⁾ 075 100 ¹⁾ 125	≈ 0,70	≈ 0,70
B17i.5.R.0**	B17.5.R.0	63	76	048* 063 075 100 125	≈ 0,83	≈ 0,83
B17i.6.R.0**	B17.6.R.0	80	93	048 063 075 100 125	≈ 0,92	≈ 0,92
B17i.7.R.0**	B17.7.R.0	100	113	048* 063 075 100 125	≈ 1,06	≈ 1,06

** Width available upon request, please consult igus* for delivery time * Radius available upon request, please consult igus* for delivery time

1) Radius only for Series B17. For Series B17i available upon request, please consult igus* for delivery time

Supplement Part No. with required radius (R). Example: B17.3.048.0

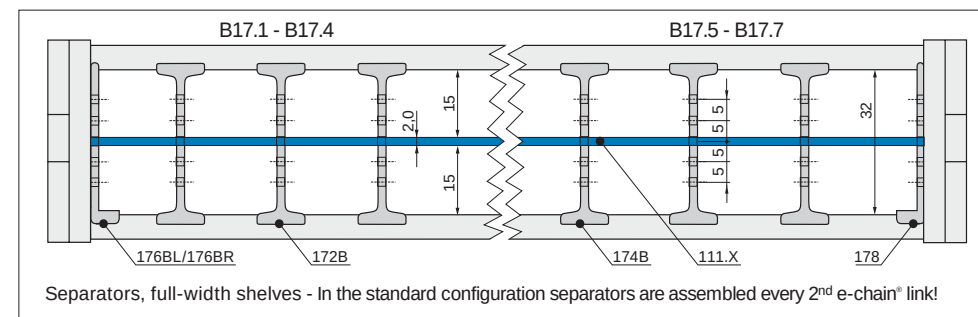
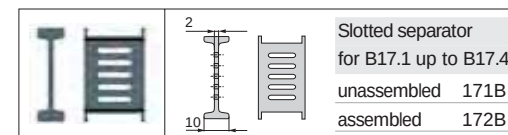
Order key
B17.3.048.0

e-chain® links as single parts, overview ► page 353

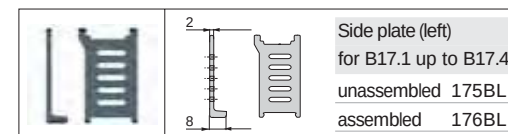
Configuration options and order keys, overview ► page 354

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

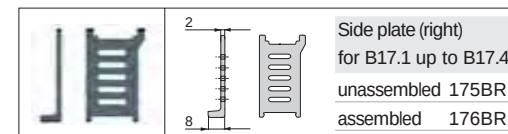
*Delivery time means time until shipping of goods (after technical release)

Separators, full-width shelves - In the standard configuration separators are assembled every 2nd e-chain® link!

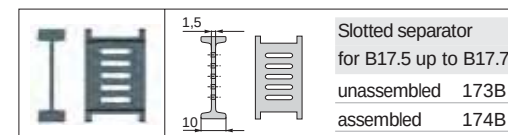
Slotted separator 171B (B17.1 up to B17.4) is used when vertical and horizontal separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.



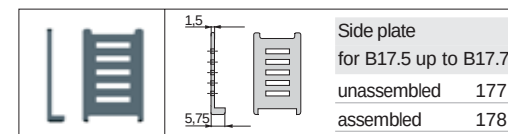
Side plate 175BL, left (B17.1 up to B17.4) Side plate (left) for use with full-width shelf 110.X and slotted separator 171B.



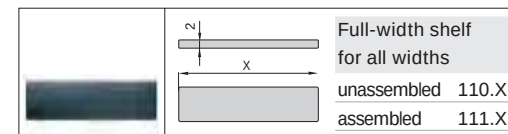
Side plate 175BR, right (B17.1 up to B17.4) Side plate (right) for use with full-width shelf 110.X and slotted separator 171B.



Slotted separator 173B (B17.5 up to B17.7) is used when vertical and horizontal separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.



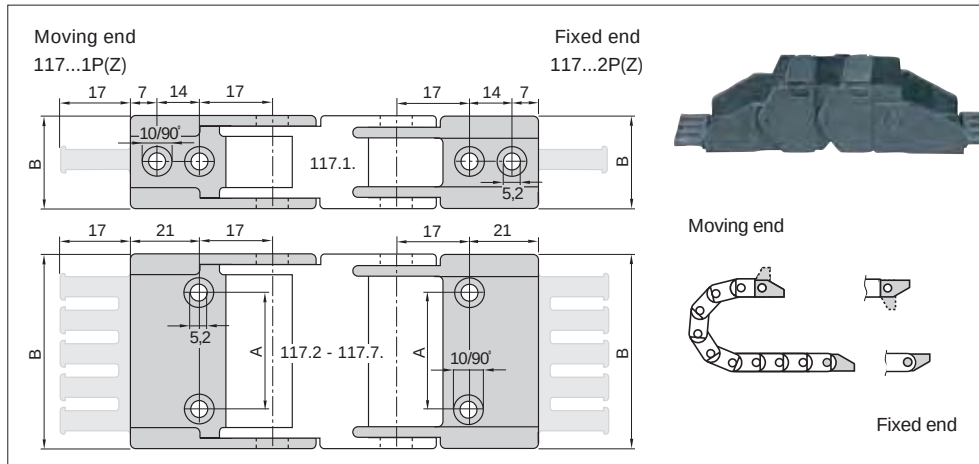
Side plate 177 (B17.5 up to B17.7) Side plate for use with full-width shelf 110.X and slotted separator 173B.



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	110.15	111.15	050	110.50	111.50	100	110.100	111.100
025	110.25	111.25	063	110.63	111.63			
038	110.38	111.38	080	110.80	111.80			



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



A... must be indicated on preassembled configurations
Strain relief with chainfix tiewrap plates
Full set locking = 12
Mounting brackets for selected width index

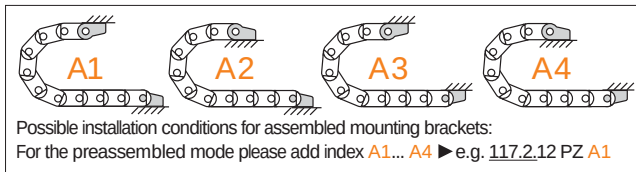
Single-part order

Mounting bracket Moving end

117.2.1 PZ A1 (preass. + tiewrap plate)

Mounting bracket Fixed end

117.2.2 PZ A1 (preass. + tiewrap plate)



Short travels and high accelerations with Series E2 mini

+ Large inner height, small outer width

When to use the Series F17 E2 mini:

- If an e-chain® with an inner height of 32 mm and small bending radii is required
- For unsupported lengths up to 1,20 m and fill weights up to 1,5 kg/m
- If a small e-chain® with a large inner height and small bending radii is required
- If snap-open mechanism with film-hinge is required
- If an interior separation is required



When to use a different igus® Series:

- If quick opening of the links is required
- Series 17 zipper, page 276
- If extremely quick, zipper-like access to cables is required
- Series R17 zipper, page 282
- If cable installation without opening lids must be possible
- Series 11.080 E2 mini, page 368
- For gliding applications
- Series 2600/2700/2650/2680 E2/000, page 444

Mounting bracket with strain relief option

Small e-chain® with large inner height

One-piece link-design

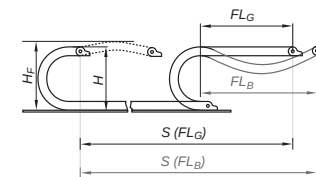
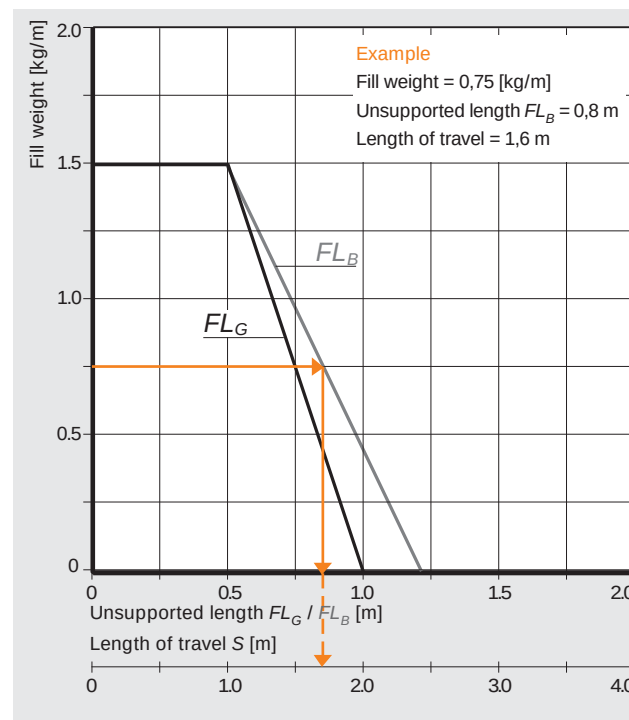
Crossbar, snap-open along inner radius with film-hinge

Closed outside

Dirt-repellent exterior

Small pitch for smooth running

UL94-V2 classifications



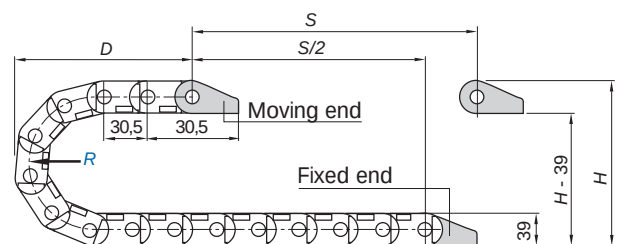
Standard Unsupported applications

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 95

Technical Data

Speed, material, temperature and flammability class ► page 352

Pitch = 30,5 mm/link
 Links/m = 33 (1006,5 mm)
 Chain length = $\frac{S}{2} + K$



R	048	063*	075	100*	125*
H	135	165	189	239	289
D	113	128	140	165	190
K	215	260	300	380	455

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

*Radius available upon request, please consult igus® for delivery time



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
 $K = \pi \cdot R + \text{"safety"}$



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

*Delivery time means time until shipping of goods (after technical release)



3D-CAD files, configurators, PDF ► www.igus.eu/eu/F17



Series F17 | One-piece, snap-open along inner radius with film-hinge

Snap-open along inner radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/m]
F17.015. <i>R</i> .0	15	26	048 063* 075 100* 125*	≈ 0,52

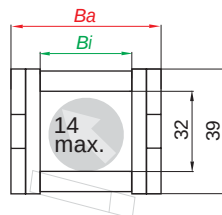
Radius available upon request, please consult igus for delivery time

Supplement Part No. with required radius (*R*). Example: F17.015.048.0



Order key
F17. 015. 048. 0

- Standard color black
- Bending radius *R*
- Width index (depends on *Bi*)
- Series / Type



e-chain* links as single parts, overview ► page 353

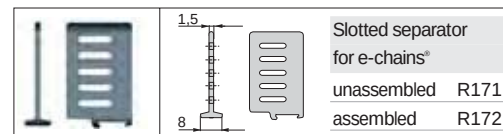
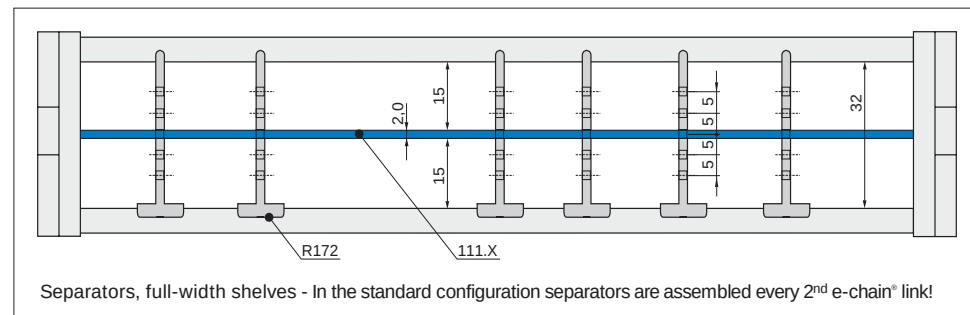


Configuration options and order keys, overview ► page 354



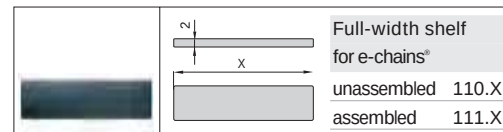
Available from stock. **Delivery time*** in 24h or today!

*Delivery time means time until shipping of goods (after technical release)



Slotted separator R171

is used when vertical and horizontal separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.

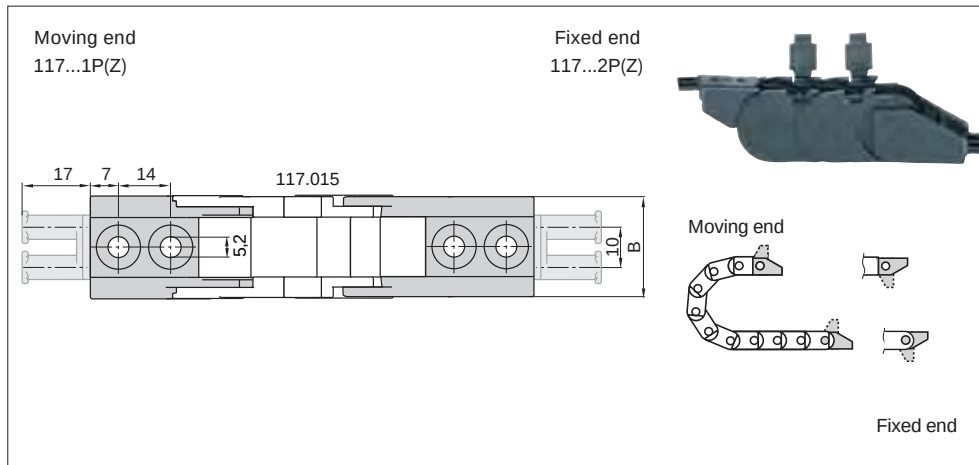


Full-width shelf 110.X

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

Width X [mm]	unassembled	assembled
015	110.15	111.15



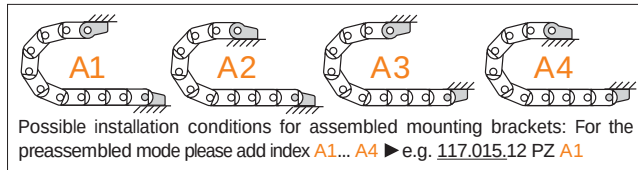
Polymer locking, one-piece | Universal for e-chains®
Recommended for unsupported applications

Width Index	Part No. full set with tie-wrap plates	Part No. full set without tie-wrap plates	Dim. A [mm]	Dim. B [mm]	Number of teeth
015 ▶	117.015.12PZ	117.015.12P	–	27,7	2

Material mounting bracket - igumid G, permitted temp. -40° up to +120° C, VDE 0304 IIC UL94-HB

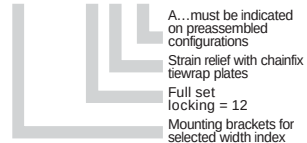


- One-piece mounting bracket
- Available with or without strain relief tie-wrap plates
- Corrosion-resistant
- Various installation options on the fixed end and/or the moving end
- Inner and outer attachment possible



Order example

117.015.12 PZ A1



Single-part order

Mounting bracket Moving end

117.015.1 PZ A1 (preass. + tie-wrap plate)

Mounting bracket Fixed end

117.015.2 PZ A1 (preass. + tie-wrap plate)