



System **E2** Allrounder

micro | mini | E2/000
e-chains® and e-tubes

System E2 micro and E2 mini | Smallest and small sizes



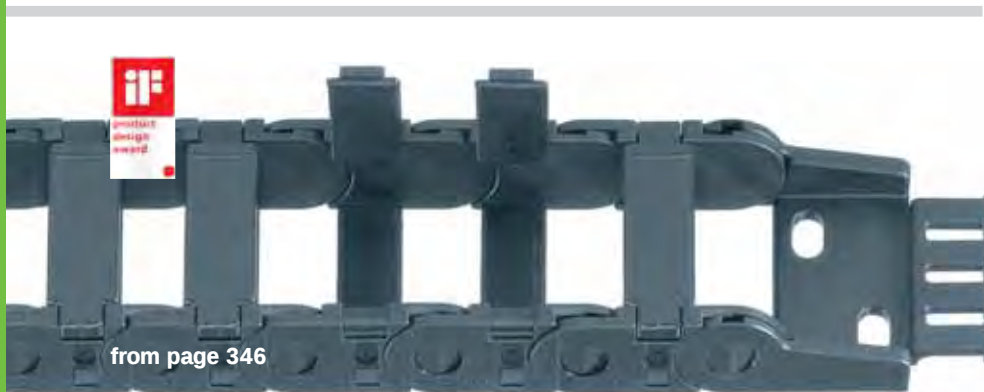
from page 292

E2 micro - for smallest spaces

Perfect to use for short travels and unsupported applications

- e-chains® for limited space conditions
- One- and two-piece e-chains® available
- Smallest inner heights and bending radii
- Very lightweight, easy to assemble and cost-efficient
- Mounting brackets with or without strain relief option available
- Inner heights *hi*: 5 - 15 mm

► www.igus.eu/eu/E2micro



from page 346

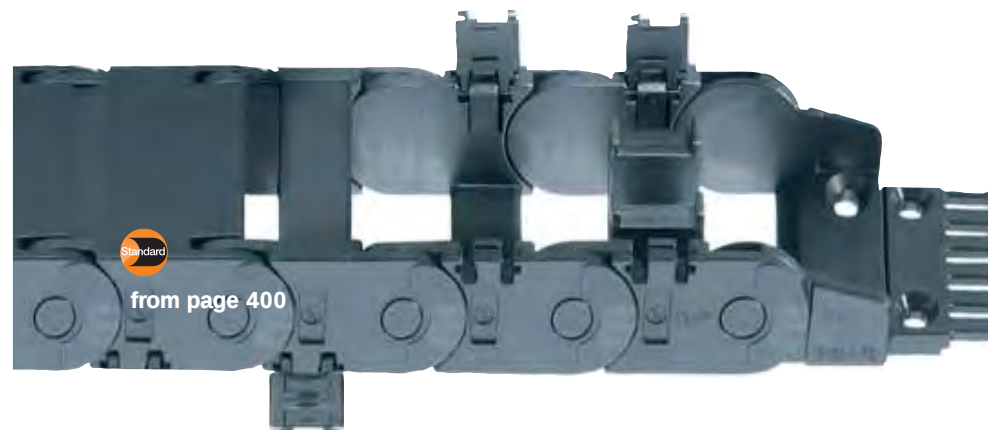
E2 mini - small and medium sizes

Perfect to use for short travels and unsupported applications

- Small pitch for smooth running
- One- and two-piece e-chains® available
- Smallest inner heights and bending radii
- Very lightweight, easy to assemble and cost-efficient
- Mounting brackets with or without strain relief option available
- Inner heights *hi*: 17 - 41 mm

► www.igus.eu/eu/E2mini

System E2/000 | Medium sizes



from page 400

System E2/000 - The E2 Standard

Available as e-chain®, half and fully enclosed e-tube, combinable variations

- Open crossbar left or right quickly with screwdriver or the igus® e-chain® opener
- Lightning fast with thumb catch - secure fit without additional locking devices
- Excellent mechanical stability, long life due to design and material
- Very easy to assemble and cost-efficient due to the 2-piece design
- Suitable for long (gliding) travels and unsupported applications
- Extender crossbars for a large increase of the interior height and for the smooth guiding of hoses
- Many accessories are available
- Inner heights *hi*: 21 - 45 mm

► www.igus.eu/eu/E2000



Next generation of small igus® e-chains®

- Lighter, more stable and easier to open
- Cannot be opened or snapped open in the inner or outer radius
- In 2 sizes available: 10 mm, 15 mm
- An e-chain® opener is included with every Series that can be opened, which significantly reduces installation time, especially for long lengths
- +25% more unsupported lengths compared to Series 08
- Many accessories

More information ► www.igus.eu/E2.1open



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



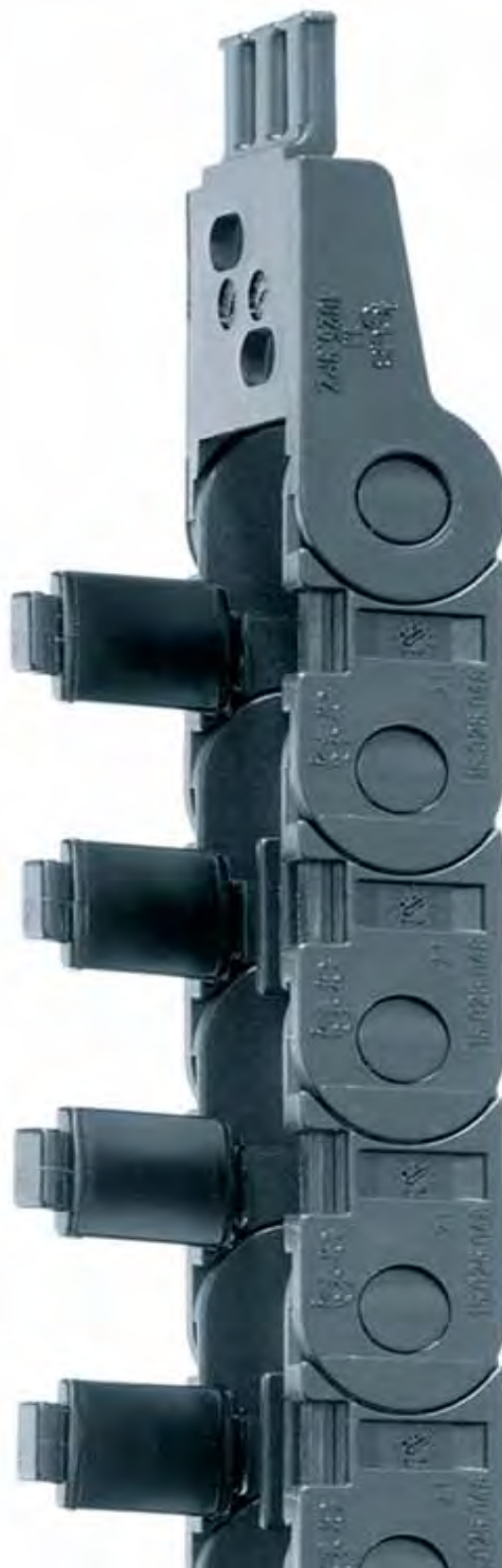
Cleanroom Class 1 (ISO class 3)
for Series 10, tested by the Dryden
Engineering Company, California



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

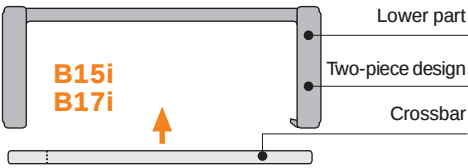
	Gliding speed / acceleration (maximum)	max. 3 [m/s] / max. 10 [m/s²]
	Speed / acceleration FL_G max.	max. 20 [m/s] / max. 200 [m/s²]
	Speed / acceleration FL_B max.	max. 3 [m/s] / max. 6 [m/s²]
	Material - permitted temperature °C, igumid G	-40° up to +120° C
	Material - permitted temperature °C, igumid 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

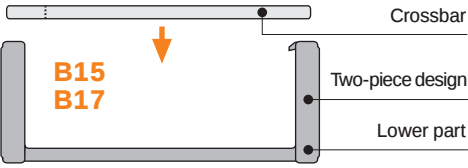
 Part No. one- and two-piece e-chain® links as single parts - System E2 mini

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>

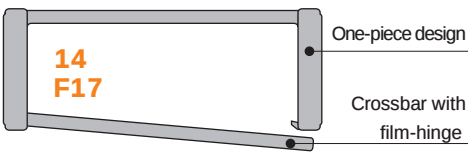
Two-piece design, snap-open along outer radius



 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>

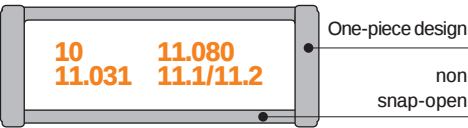
* Crossbar: supplement Part No. with required width index (*Bi*) Example: 170.15
** Lower parts: supplement Part No. with required width index (*Bi*) + 00 and radius (*R*) Example: B15.15 00.03R

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



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

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

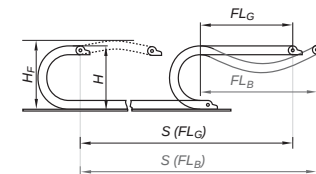
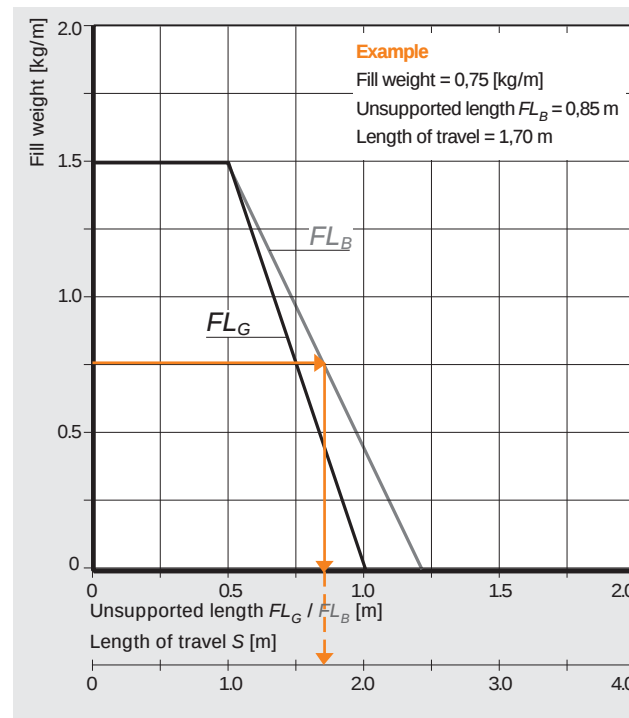


When to use a different igus® Series:

- 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

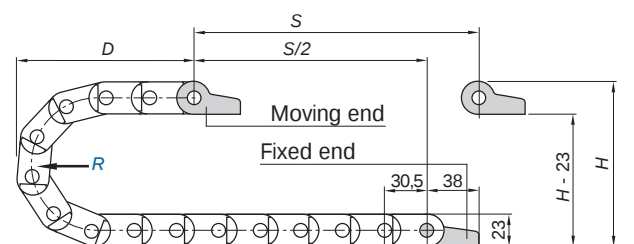


Series 10 with molded-in separator available.
More information ► page 358



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 = $\pi \cdot R$ + "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 . <i>R</i> .0	15	26	028 038 048 075 100 110 125 145 180	≈ 0,35
10. 025 . <i>R</i> .0	25	36	028 038 048 075 100 110 125 145 180	≈ 0,40
10. 038 . <i>R</i> .0	38	49	028 038 048 075 100 110 125 145 180	≈ 0,46
10. 050 . <i>R</i> .0	50	61	028 038 048 075 100 110 125 145 180	≈ 0,52
10. 5 . <i>R</i> .0	63	76	028 038 048 075 100 110 125 145 180	≈ 0,63
10. 6 . <i>R</i> .0	80	94	028 038 048 075 100 110 125 145 180	≈ 0,70
10. 7 . <i>R</i> .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®.

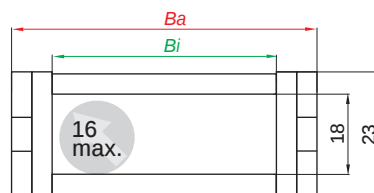
Order key



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

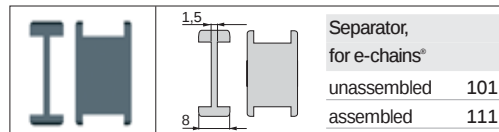
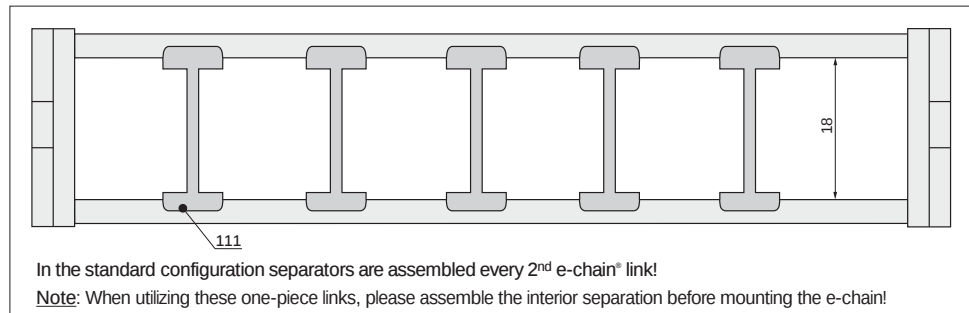


Configuration options and order keys, overview ► page 354



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

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

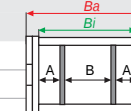


Separator 101

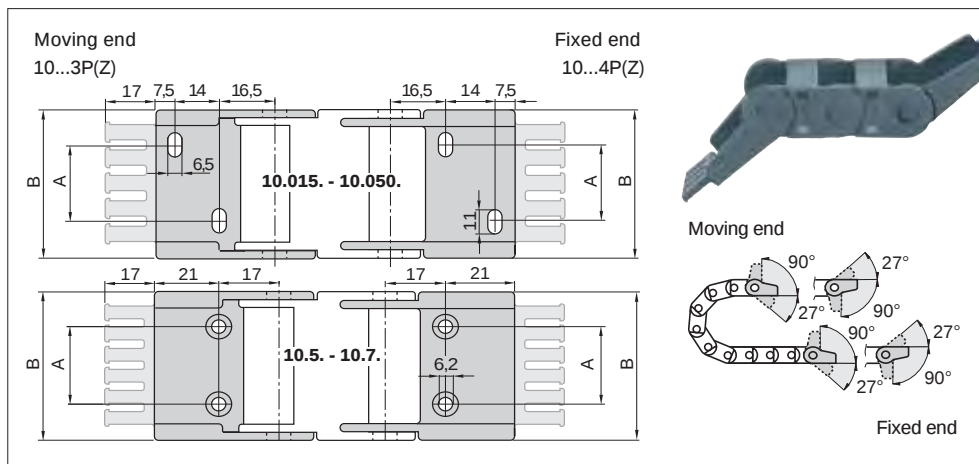
For a simple vertical subdivision on e-chains®. Separators can be arranged anywhere in the e-chain® cross section. Interior separation for Series 10.015.*R*.0 not possible!

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 . <i>R</i> .0.S	38	49	075	10	15	≈ 0,79
10. 050 . <i>R</i> .0.S	50	61	075	13	21	≈ 0,85

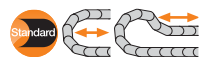


Supplement Part No. with required radius (*R*). Example: 10.038.075.0.S or 10.050.075.0.S

Polymer pivoting, one-piece | Standard

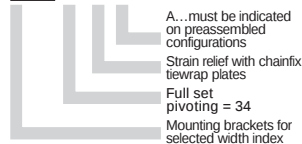
Recommended for unsupported and gliding applications

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)

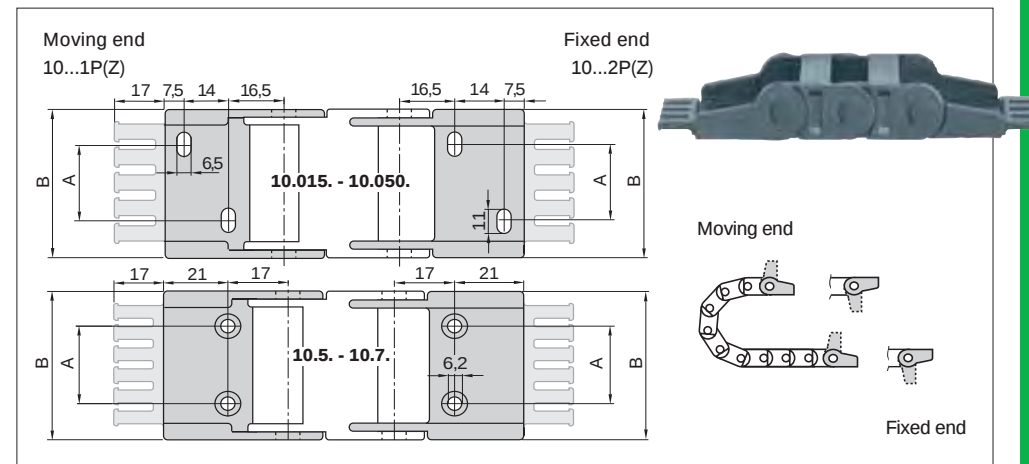
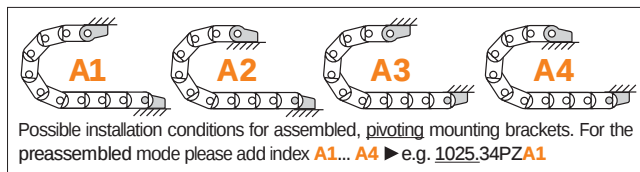
1025. 34 PZ **A1**

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

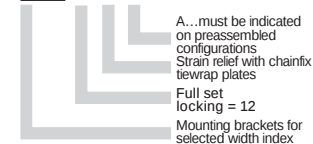
Recommended for vertical hanging and standing applications

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)

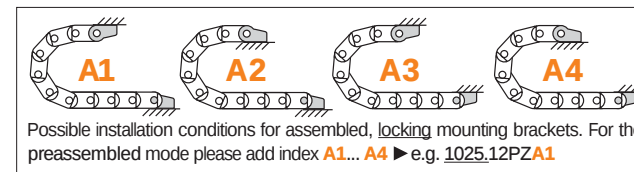
1025. 12 PZ **A1**

Single-part order

Mounting bracket Moving end

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

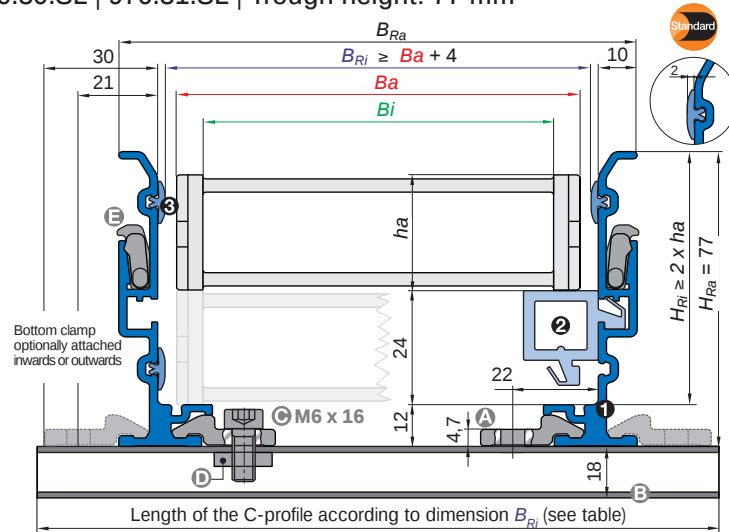
Mounting bracket Fixed end

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": 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 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)

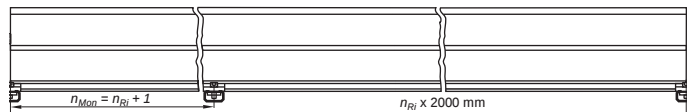
Order text: 17 installation sets

Part No. 960.30.125

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

● Installation set

● Glide bar

B_{Ri} = Inner trough width

B_{Ra} = Outer trough width

H_{Ri} = Inner trough height

H_{Ra} = Outer trough height

n_{Mon} = Number of installation sets

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

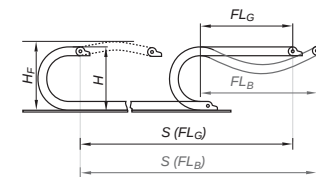
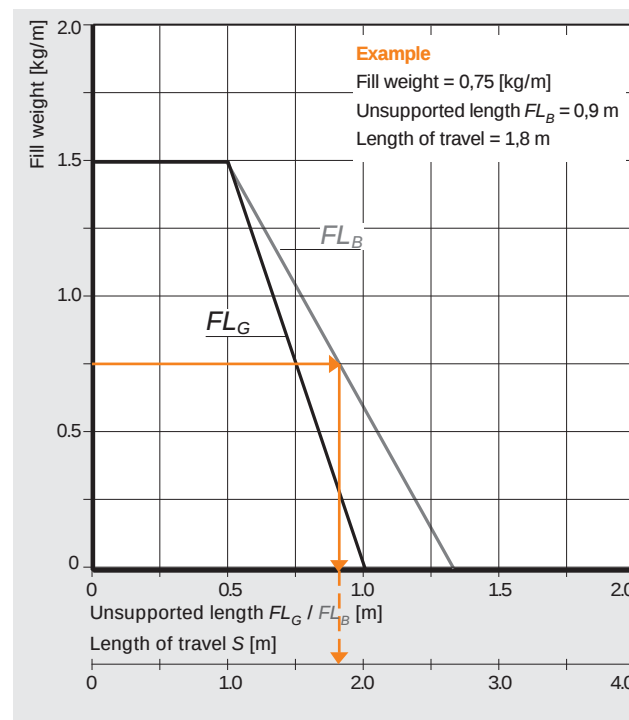
When to use the Series 11.031 E2 mini:

- 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



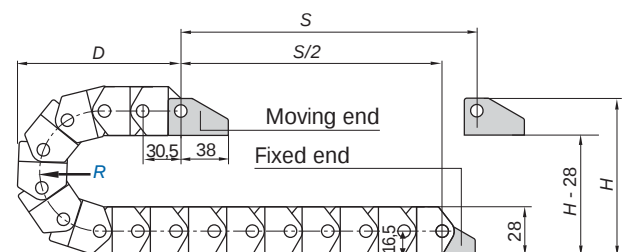
When to use a different igus® Series:

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



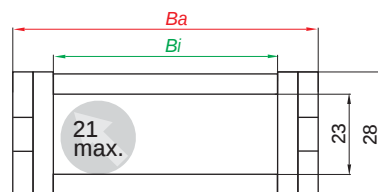
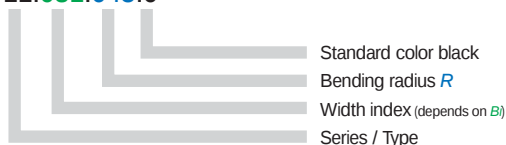
Series 11.031 | One-piece, non snap-open e-chain®

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

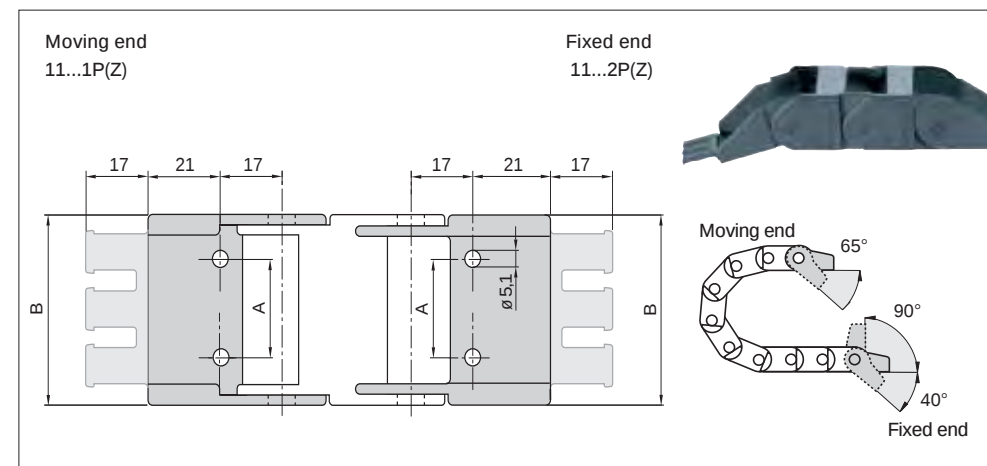


Configuration options and order keys, overview ► page 354



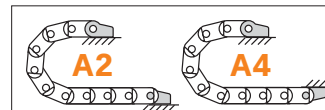
Available from stock. **Delivery time*** in 24h or today!

*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



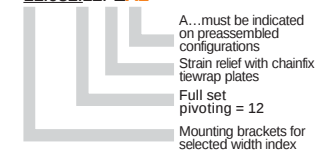
Possible installation conditions:
For the preassembled mode please add index **A2** or **A4**
► e.g. 11.031.12PZ**A2**



- 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**



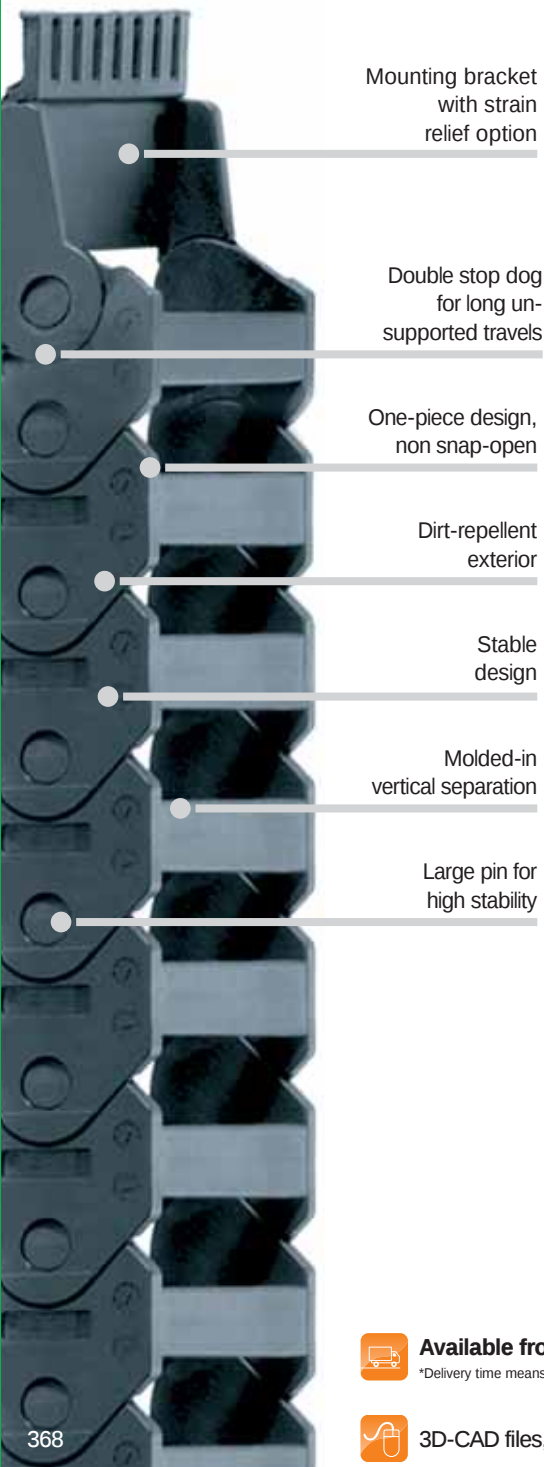
Single-part order

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

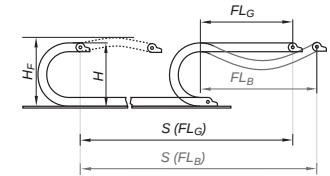
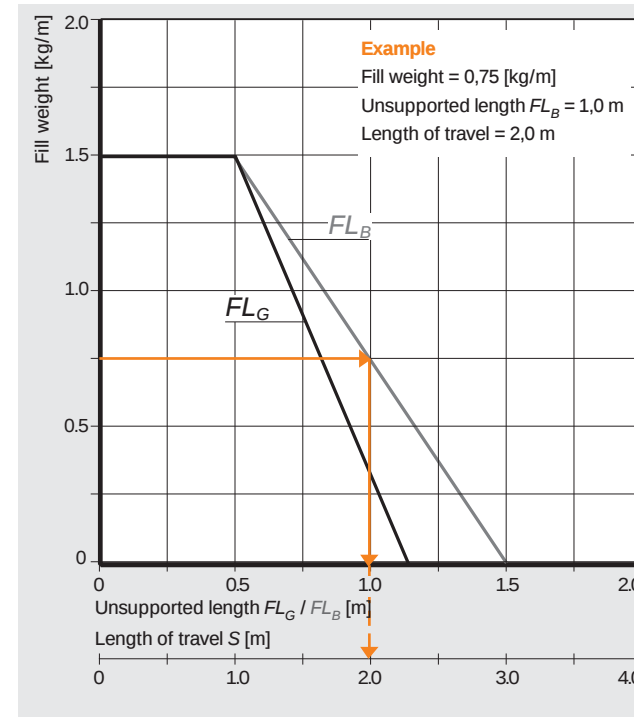


When to use a different igus® Series:

- 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



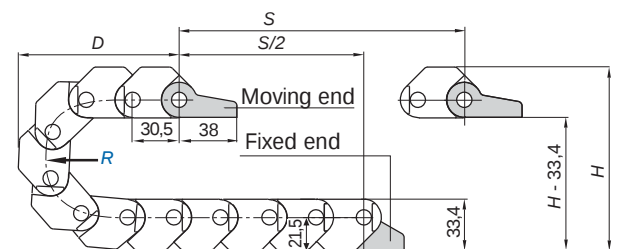
Standard Unsupported applications

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)

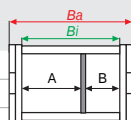


3D-CAD files, configurators, PDF ▶ www.igus.eu/eu/11.080



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

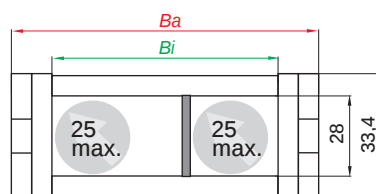
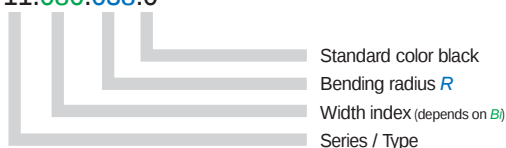
non snap-open	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]		Dim. A [mm]	Dim. B [mm]	Weight [kg/m]
11. 080 <i>R</i> .0	80	93	038		46	32	≈ 0.73



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



Order key
11.080.038.0



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

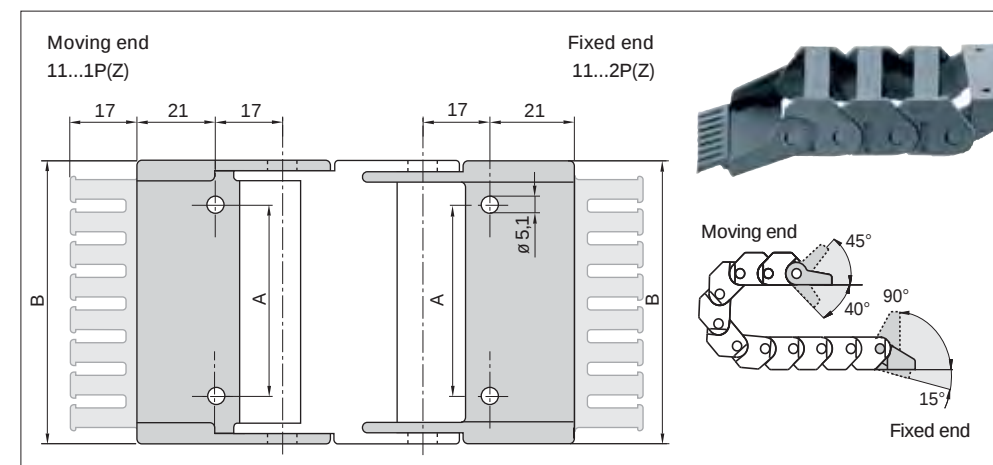


Configuration options and order keys, overview ► page 354



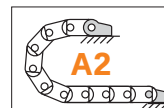
Available from stock. Delivery time* in 24h or today!

*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. + tiewrap plate)

Mounting bracket Fixed end

11.080.2PZ**A2** (preass. + tiewrap 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

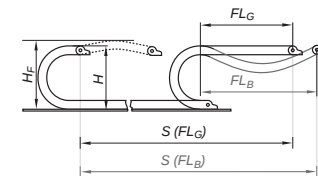
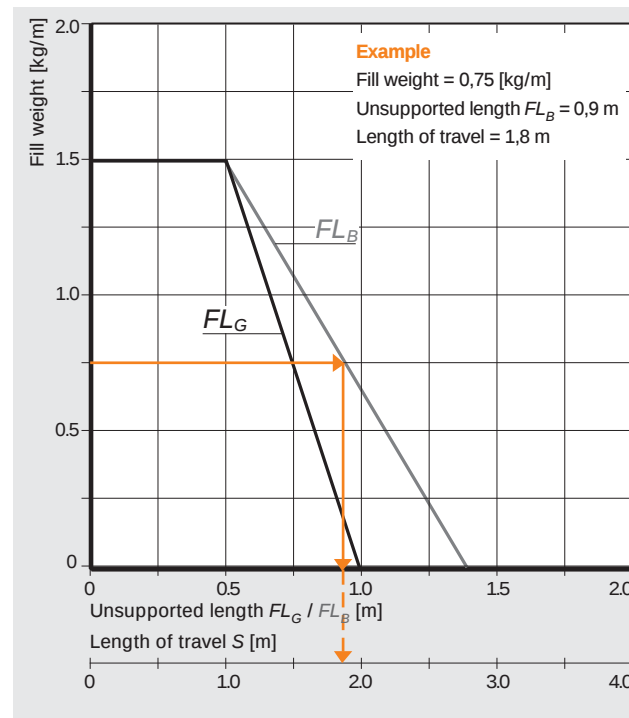
When to use the Series 11.1-11.2 E2 mini:

- 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



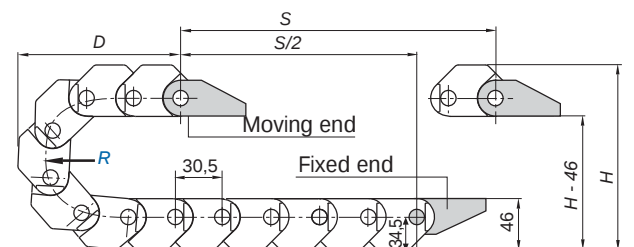
When to use a different igus® Series:

- 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 = $\frac{S}{2} + K$

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



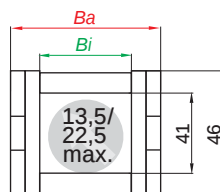
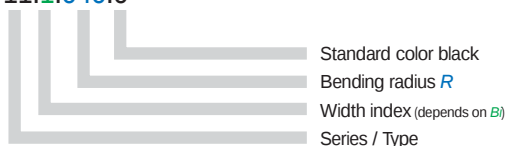
Series 11.1·11.2 | One-piece, non snap-open e-chain®

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

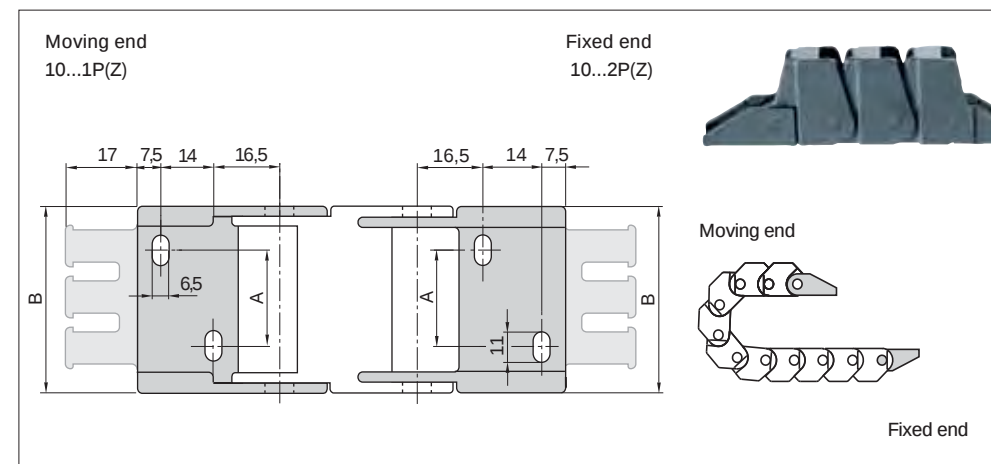


Configuration options and order keys, overview ► page 354



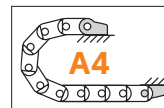
Available from stock. **Delivery time*** in 24h or today!

*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

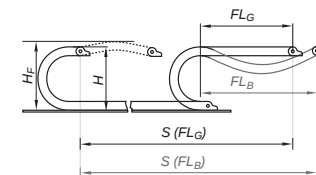
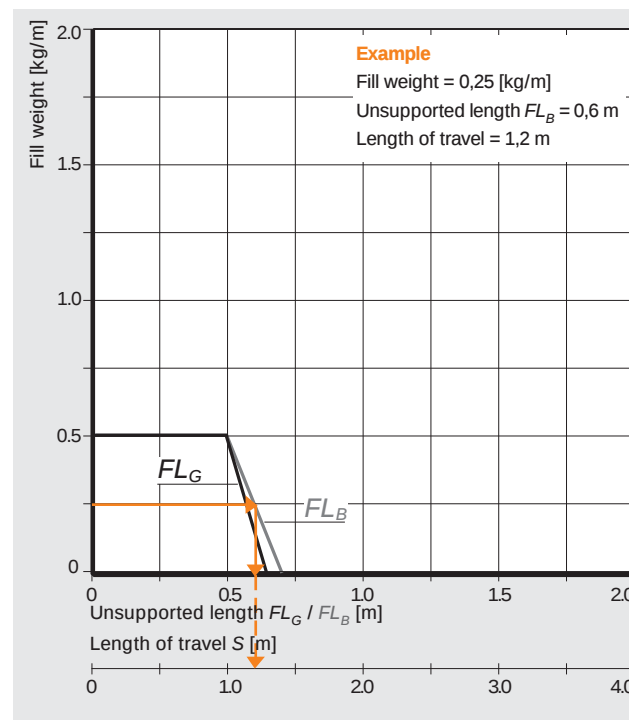
UL94-V2
classifications

One-piece
link-design

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

Dirt-repellent
exterior

Closed
outside



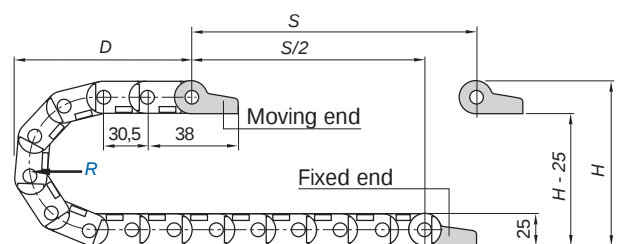
Standard Unsupported applications

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



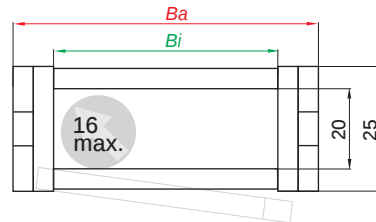
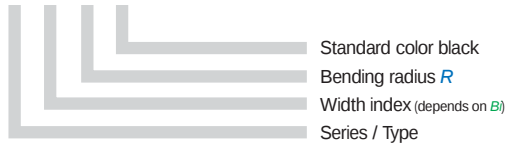
Series 14 | One-piece, snap-open along inner radius with film-hinge

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

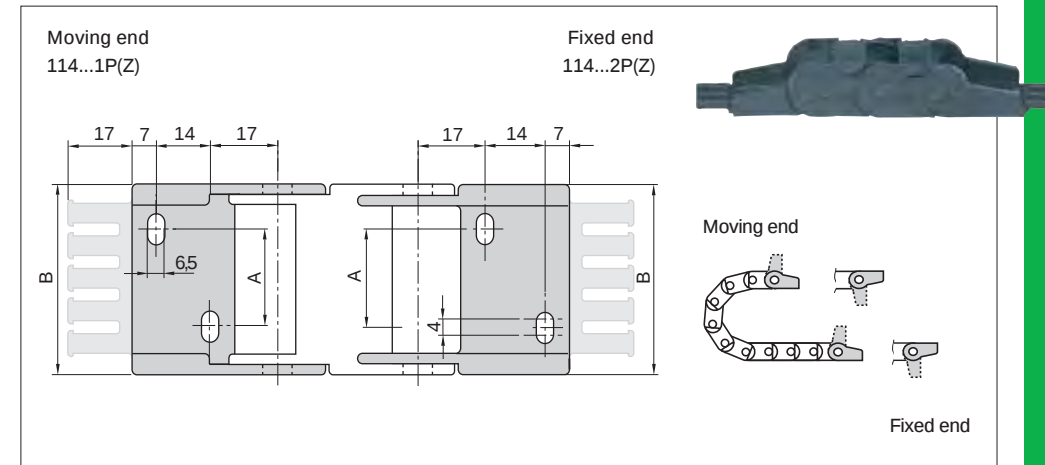


Configuration options and order keys, overview ► page 354



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

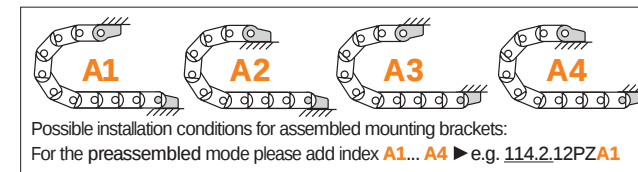
*Delivery time means time until shipping of goods (after technical release)



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

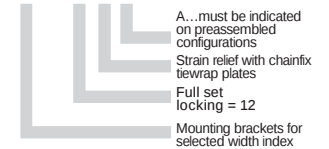
Material mounting bracket - igumid G, permitted temp. -40° up to +120° C, VDE 0304 IIC UL94-HB



- 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)

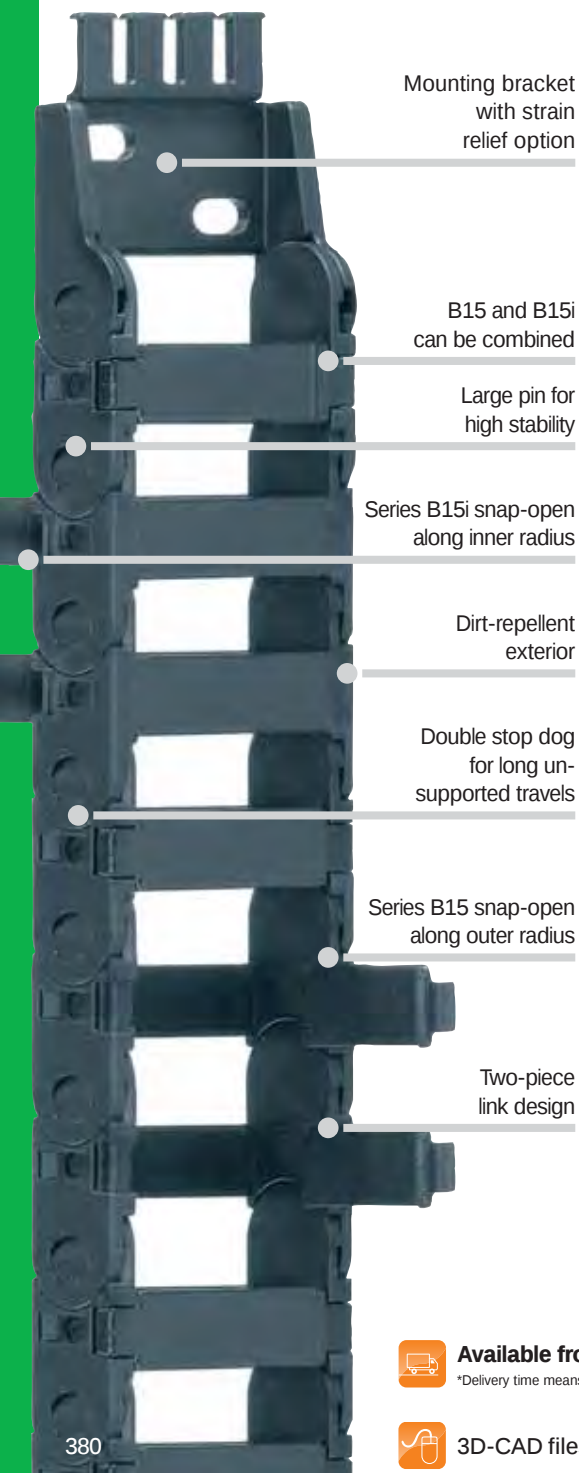
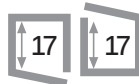
Additional Features



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



Quickfix - mounting bracket with dowel, available upon request



+ 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:

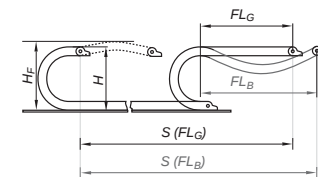
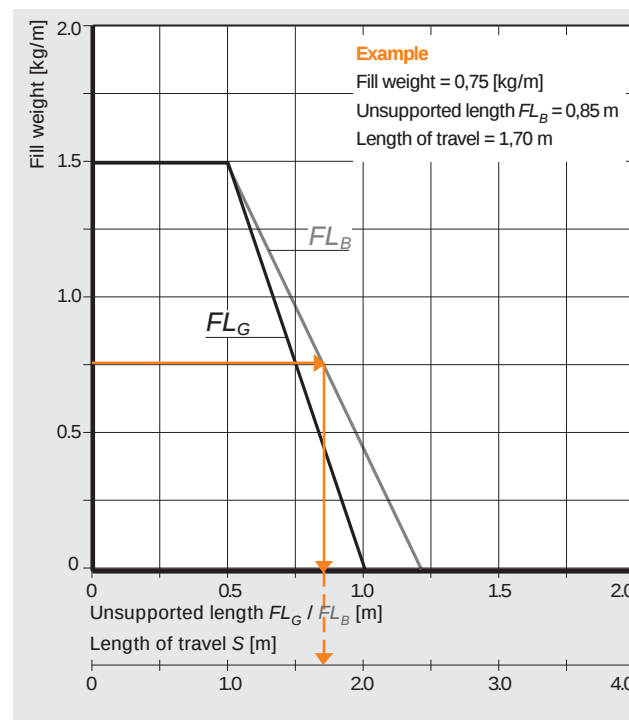
- If snap-open links are not necessary
- Series 10 E2 mini, page 356
- If torsion occurs
- Series E14 easy chain®, page 180

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



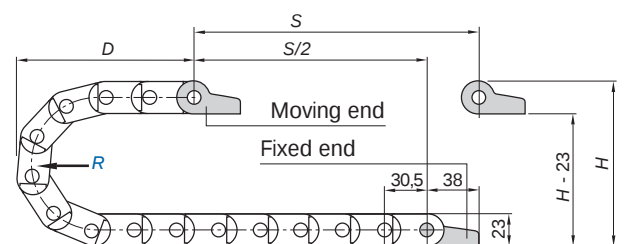
Standard Unsupported applications

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

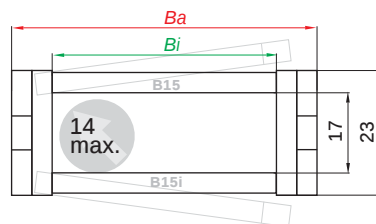
Snap-open along inner radius	Snap-open along outer radius		<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	B15i [kg/m]	B15 [kg/m]
B15i. 015 . <i>R</i> .0	B15. 015 . <i>R</i> .0		15	26	038 048 075 100 110 125 145 180	≈ 0,35	≈ 0,35
B15i. 025 . <i>R</i> .0	B15. 025 . <i>R</i> .0		25	36	038 048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

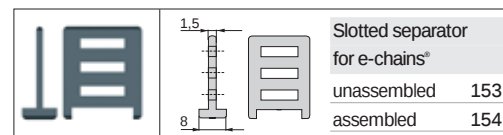
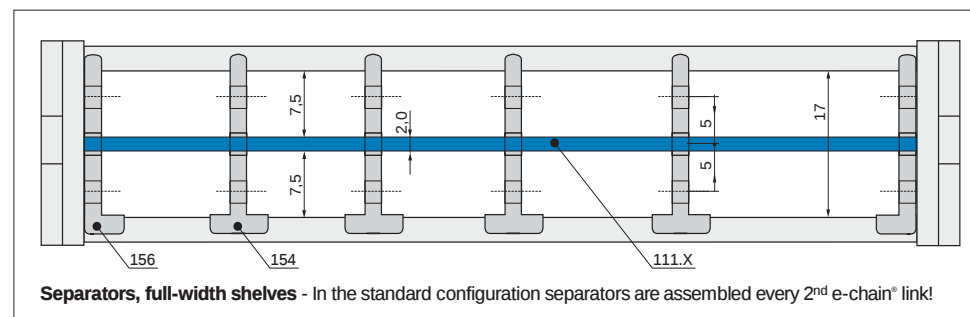




 e-chain® links as single parts, overview ► page 353

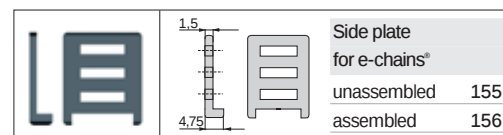
 Configuration options and order keys, overview ► page 354

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



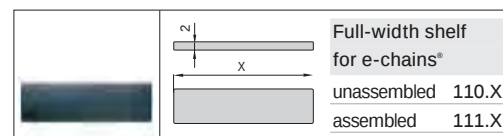
Slotted separator 153

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



Side plate 155

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

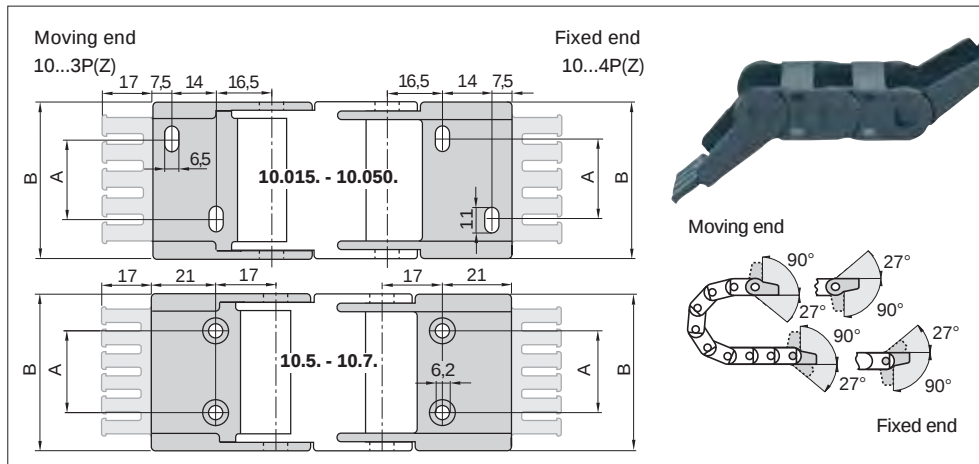


Full-width shelf 110.X

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).

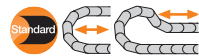
Full-width shelves

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

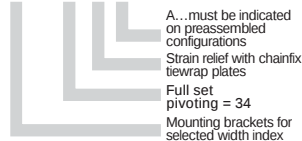
Recommended for unsupported and gliding applications

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

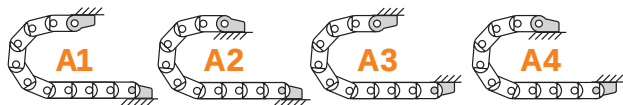
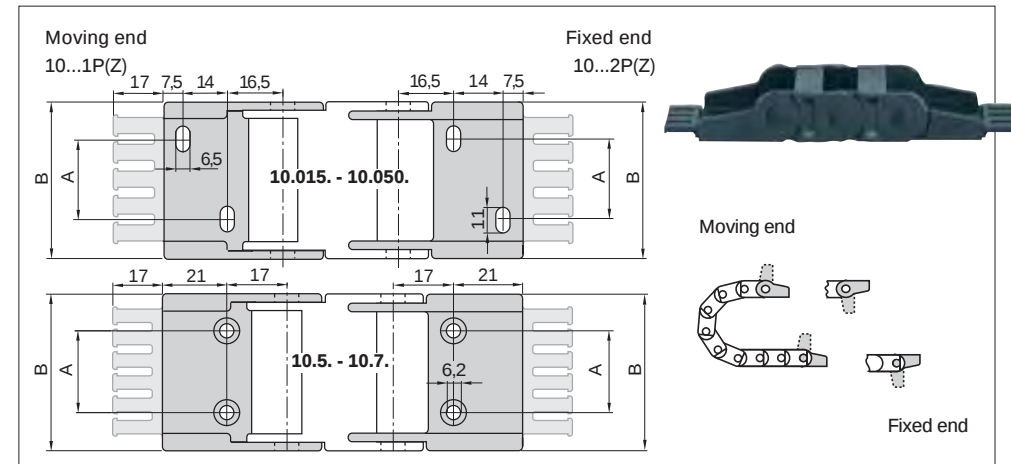
1025. 34 PZ **A1**

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. 1025.34PZ**A1**Polymer locking, one-piece

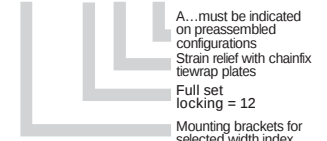
Recommended for vertical hanging and standing applications

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)

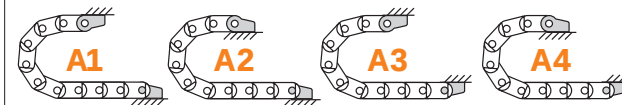
1025. 12 PZ **A1**

Single-part order

Mounting bracket Moving end

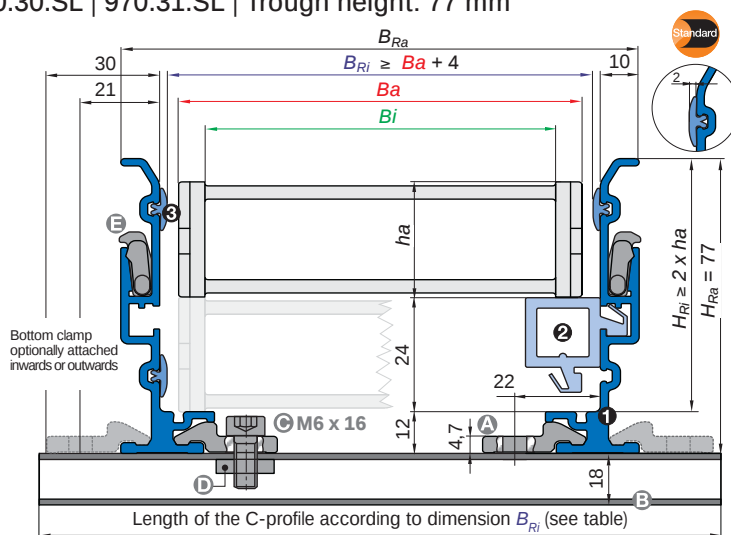
1025. 1 PZ **A1** (preass. + tiewrap plate)

Mounting bracket Fixed end

1025. 2 PZ **A1** (preass. + tiewrap plate)Possible installation conditions for assembled, locking mounting brackets. For the preassembled mode please add index **A1... A4** ▶ e.g. 1025.12PZ**A1**

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 ⑥ table ⑦ Screw M6 x 16 ⑧ Sliding nut M6 ⑨ 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)

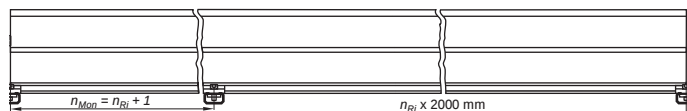
Order text: 16 m guide trough with glide bar (8 x 2 m sections) Part No. 970.31.SL

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

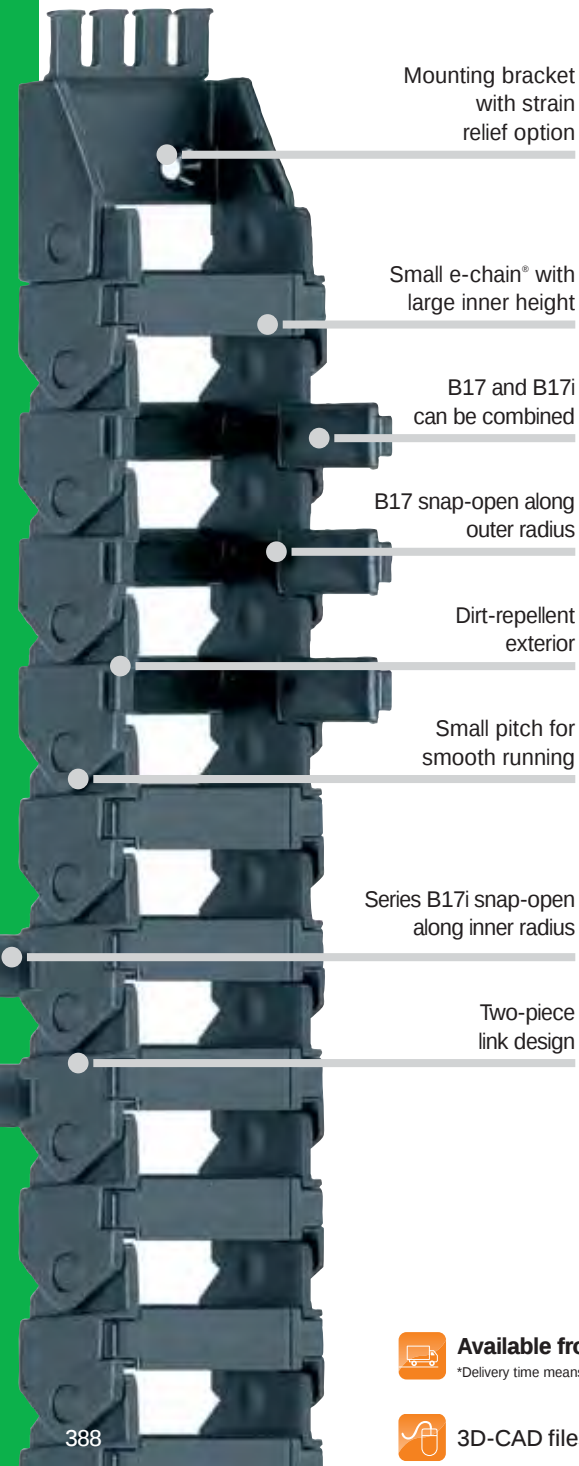


● Trough set ● C-Profile
● Installation set ● Ba = Outer width e-chains"
● Glide bar ● Bi = Inner width e-chains"

B_{Ri} = Inner trough width
 B_{Ra} = Outer trough width
 H_{Ri} = Inner trough height
 H_{Ra} = Outer trough height
 n_{Mon} = Number of installation sets
 n_{Ri} = 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

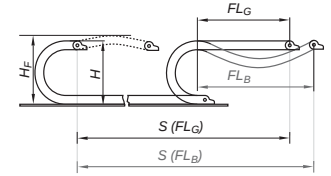
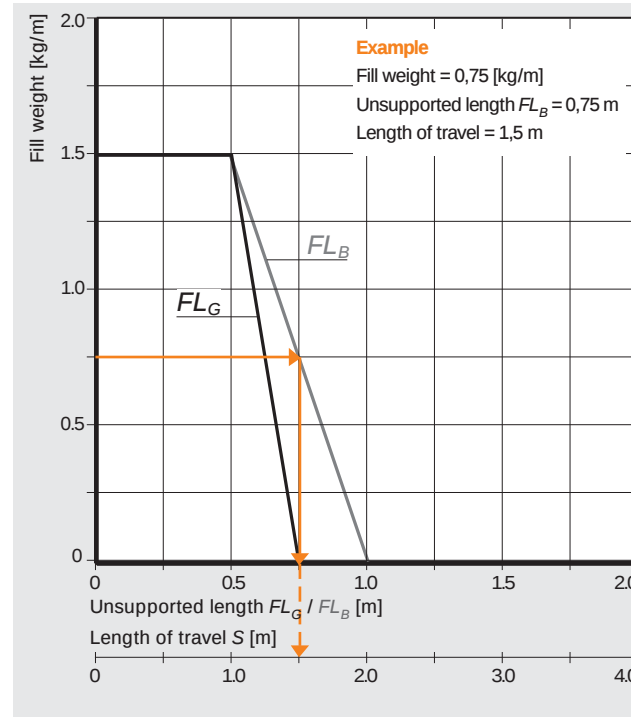
When to use the Series B17i·B17 E2 mini:

- 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



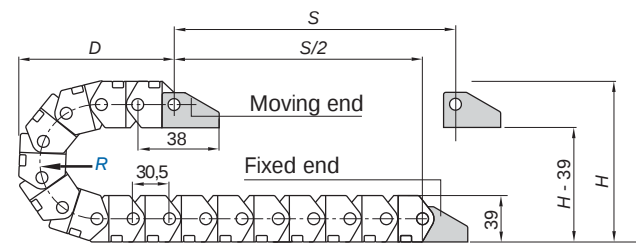
Standard Unsupported applications

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

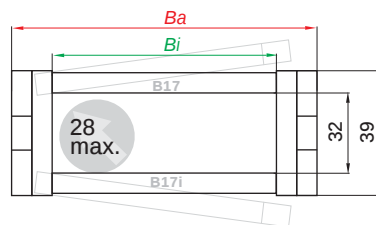
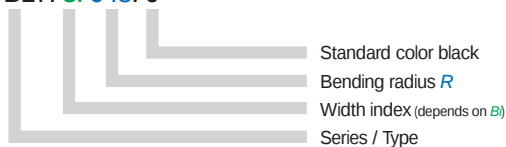
Snap-open along inner radius	Snap-open along outer radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	B17i [kg/m]	B17 [kg/m]
B17i. 1 .R.0**	B17. 1 .R.0	15	25,5	048 ¹⁾ 063 075 100 125	≈ 0,52	≈ 0,52
B17i. 2 .R.0	B17. 2 .R.0	25	35,5	048 063 ¹⁾ 075 ¹⁾ 100 ¹⁾ 125 ¹⁾	≈ 0,59	≈ 0,59
B17i. 3 .R.0	B17. 3 .R.0	38	48,5	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

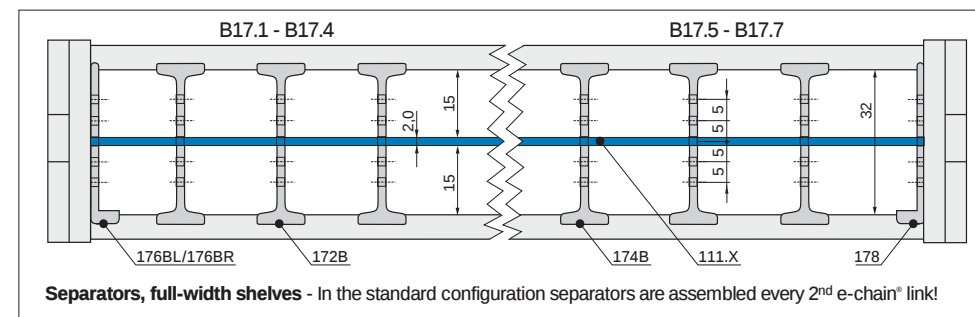
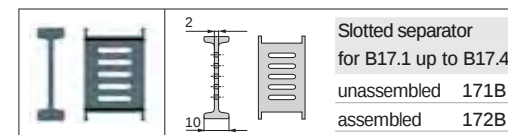


e-chain® links as single parts, overview ► page 353

Configuration options and order keys, overview ► page 354

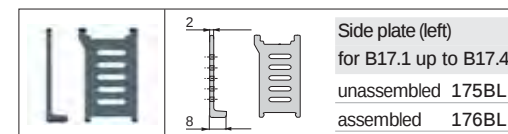
Available from stock. Delivery time* in 24h or today!

*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!

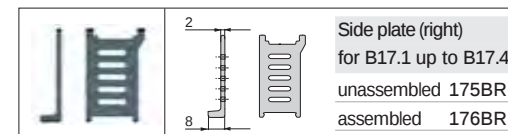
Slotted separator
for B17.1 up to B17.4
unassembled 171B
assembled 172B

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.



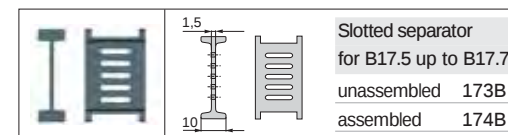
Side plate (left)
for B17.1 up to B17.4
unassembled 175BL
assembled 176BL

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.



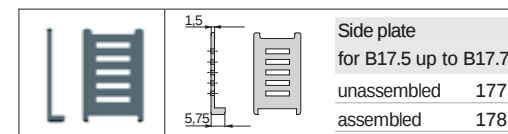
Side plate (right)
for B17.1 up to B17.4
unassembled 175BR
assembled 176BR

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.



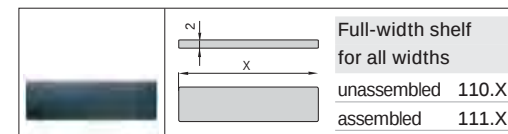
Slotted separator
for B17.5 up to B17.7
unassembled 173B
assembled 174B

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
for B17.5 up to B17.7
unassembled 177
assembled 178

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

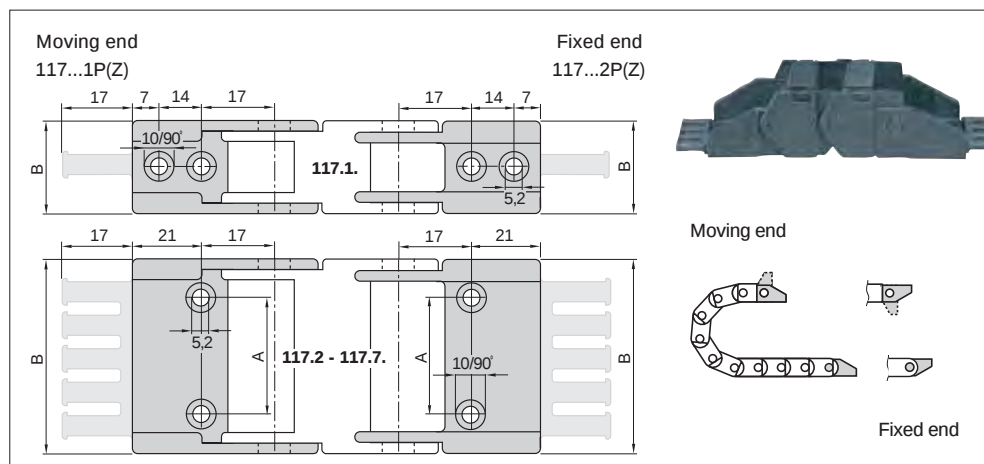


Full-width shelf
for all widths
unassembled 110.X
assembled 111.X

Full-width shelf 110.X (for all widths)
this option makes sense in applications with many thin
cables with similar diameters. For a consequent sub-
division. 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**



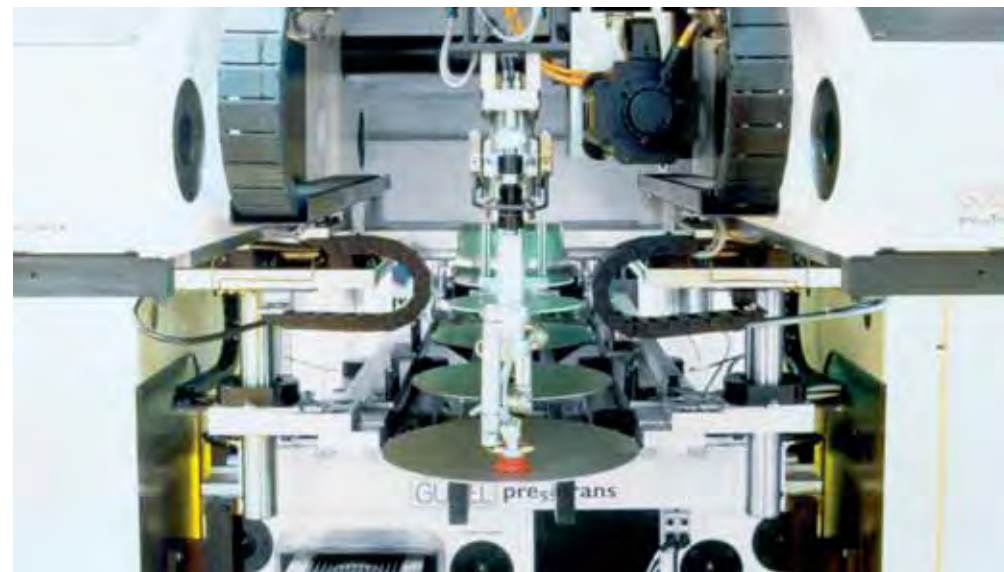
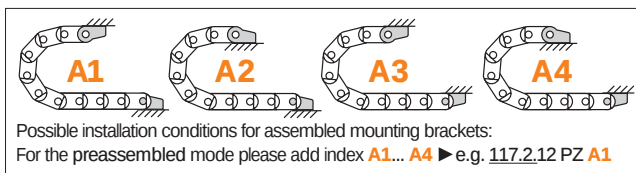
Single-part order

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

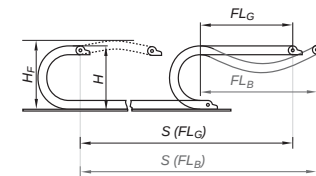
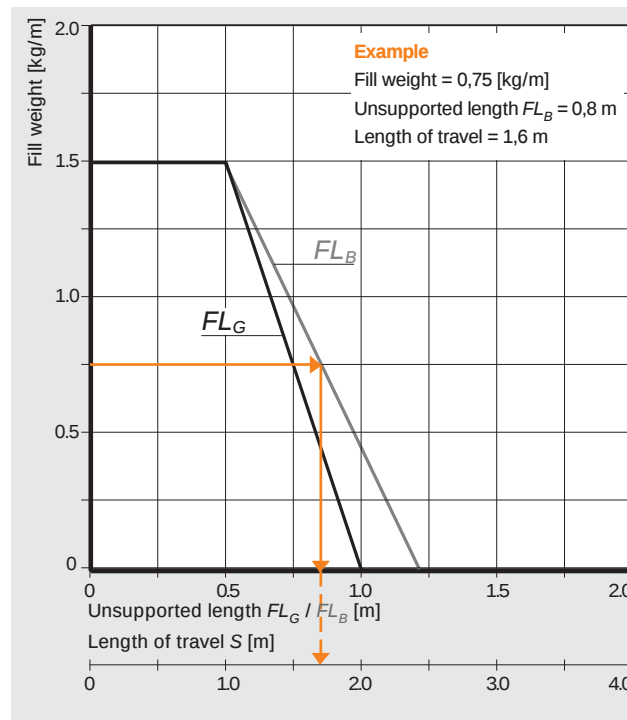
Crossbar, snap-open along inner radius with film-hinge

Closed outside

Dirt-repellent exterior

Small pitch for smooth running

UL94-V2 classifications



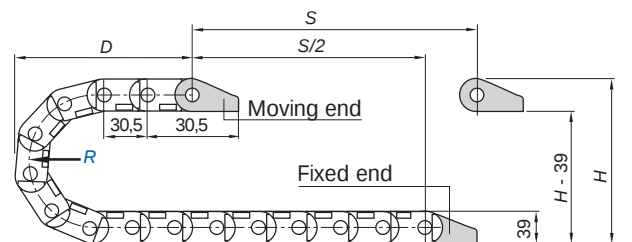
Standard Unsupported applications

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 = $\pi \cdot R$ + "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

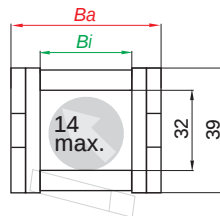
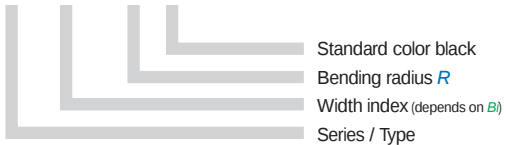
Snap-open along inner radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/m]
F17.015. <i>R</i> .0	15	26	048 063* 075 100* 125*	≈ 0,52

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



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

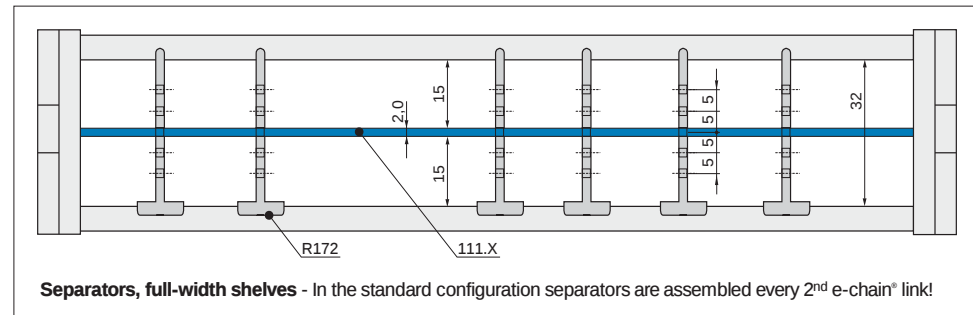


Configuration options and order keys, overview ► page 354

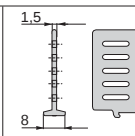


Available from stock. **Delivery time* in 24h or today!**

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



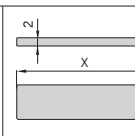
Separators, full-width shelves - In the standard configuration separators are assembled every 2nd e-chain® link!



Slotted separator
for e-chains®
unassembled R171
assembled R172

Slotted separator R171

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



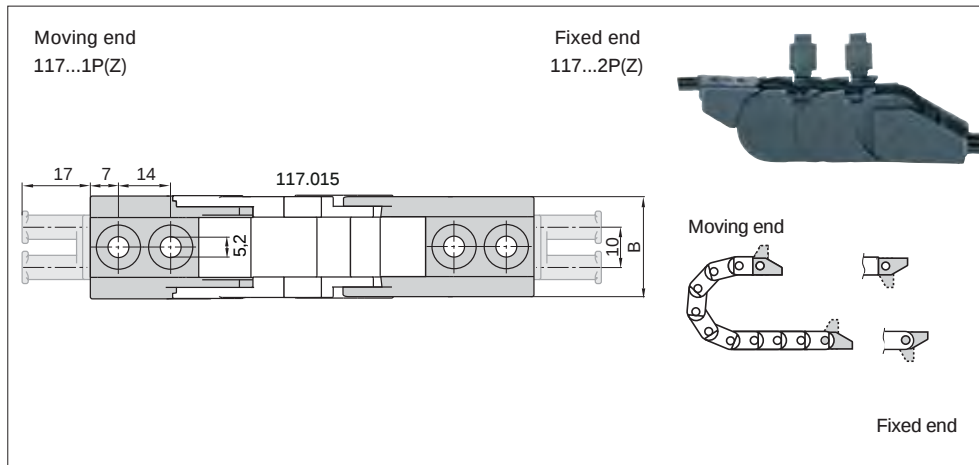
Full-width shelf
for e-chains®
unassembled 110.X
assembled 111.X

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 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 tiewrap plates	Part No. full set without tiewrap plates	Dim. A [mm]	Dim. B [mm]	Number of teeth
015 ▶	117.015.12PZ	117.015.12P	–	27,7	2

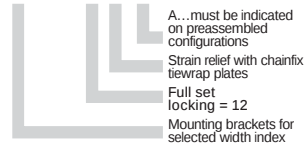
Material mounting bracket - igumid G, permitted temp. -40° up to +120° C, VDE 0304 IIC UL94-HB



- One-piece mounting bracket
- Available with or without strain relief tiewrap 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**



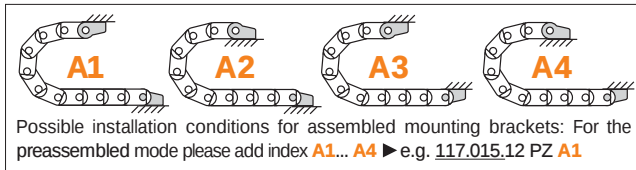
Single-part order

Mounting bracket Moving end

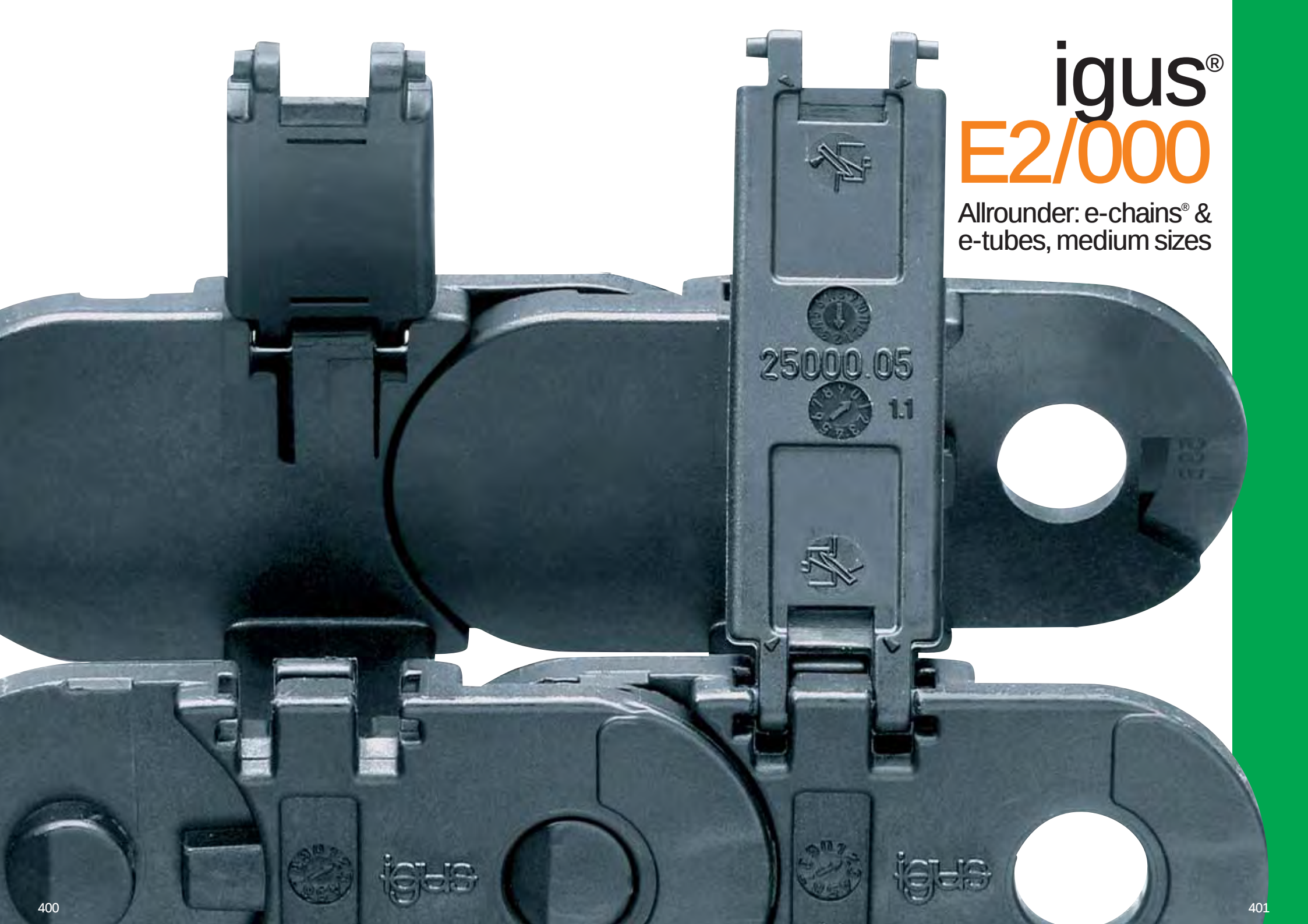
117.015.1 PZ **A1** (preass. + tiewrap plate)

Mounting bracket Fixed end

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



Possible installation conditions for assembled mounting brackets: For the preassembled mode please add index **A1... A4** ▶ e.g. 117.015.12 PZ **A1**



igus® E2/000

Allrounder: e-chains® &
e-tubes, medium sizes

Allrounder with a wide range of applications - System E2/000

The E2/000 Series is igus® fourth generation in this popular size range. All past experiences went into this Millennium Series: easy and versatile assembly combined with ruggedness - high stability paired with quieter motion - long cable life and many fixation options. The design is consistent within all E2/000 variations. It is the standard product for machine builders around the world.

Typical industries and applications

- Material handling ● Construction machinery
- Woodworking machines ● Glass machines
- Plastic machines ● Long travel applications in many industries ● Semicon ● Theatre, entertainment and amusement parks ● Vehicles ● General machinery

 Electrically conductive ESD/ATEX version with PTB-certification upon request

 46 dB(A) tested in igus® lab, v = 1,0 m/s unsupported, e.g. Series 2600.05.075.0

 UL94-V0 classifications upon request



IPA Qualification Certificate - Report IG 1303-640-1:
ISO Class 2, according to DIN EN ISO 14644-1
for System E2/000, Series 1500.050.038.0
at v = 0,5 / 1,0 / 2,0



IPA Qualification Certificate - Report IG 0308-295:
ISO Class 3, according to DIN EN ISO 14644-1
for System E2/000, Series 2500.05.055.0
at v = 2,0 m/s

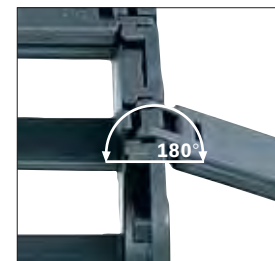


Harnessed E2/000 e-chain® - turnkey solution delivered with cables and sheet metal parts directly to the machine

E2/000 features



Innovative snap-open mechanism, choice of snap-open on left or right



Hinged crossbar can be swiveled by more than 180° on both sides



Secure fit of separators and interior separation even when e-chain® is open



Half e-tube - Fully enclosed in outer radius. Choice of swiveling interior radius to the left or right

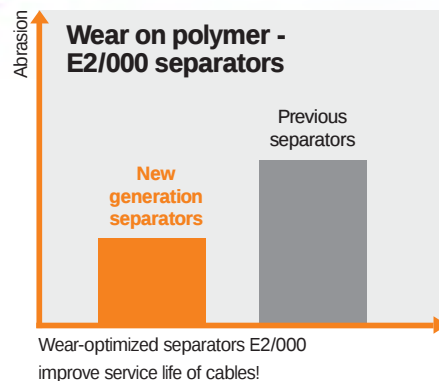


Lightning-fast closing by the touch of a thumb - secure fit without additional locking devices



Opening mechanism accessible from above - rapid opening with a screwdriver or the e-chain® opener

E2/000 | Cables last up to 4 times longer



75% less wear... Increase the service life of cables even further. A new design of interior separators for E2/000 allround e-chain® range. Separators optimally adapted to cable geometry increase the service life of the cables by a factor of 4. A better interior separation can be executed with fewer elements:

Vertical separation - Vertical separators

- Abrasion-optimized, cable-friendly design, long service life
- Mounting-optimized - a simpler and faster assembly
- Non-positive, secure fit
- Easy-to-use interior separation range for all applications

Horizontal separation - Full-width shelves

- Locks at both ends
- Separators can be moved horizontally as needed
- Side plates not required
- Even partial horizontal subdivision is possible



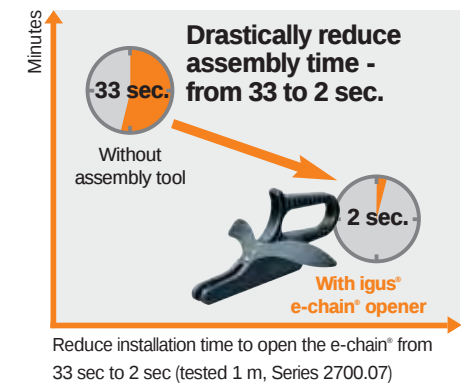
- ① Standard separator, wide base
- ② Separator with narrow head
- ③ Separator, narrow base
- ④ Separator, asymmetrical
- ⑤ Full-width shelf, lockable

E2/000 | e-chain® opener | Drastically reduce assembly time



Open E2/000 e-chains® in a flash with the igus® **e-chain® opener**. The opening of the links of E2/000 e-chains® at extremely high speed saves significant installation time. Open a long piece of e-chain® in one go. It's the ideal tool when doing your own mounting or assembly lines in order to minimize the processing time significantly. Opening of long e-chain® units in one go and drastically reduce assembly time from 33 to 2 sec. (*tested Series 2700.07)

More information ► www.igus.eu/E2opener



For Series	For widths <i>Bi</i> [mm]	Part No.
1400/1500/1450	20, 50, 68, 80, 100	908.254.1400
2400/2500/2450	05, 07, 09	908.254.2400
2600/2700/2650	06, 07, 09, 10	908.254.2600
3400/3500/3450	50, 75, 100, 115	908.254.3400



Compatible mounting tools for each e-chain® size. The ideal tool for your own mounting or assembly lines to minimize the processing time significantly.

Interior separation single order. Delivery time* in 24h or today!
*Delivery time means time until shipping of goods (after technical release)

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

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

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
 E2/000 e-chains® Standard for System E2 Snap-open along outer radius from both sides. For long travels							
1500	21	15 - 125	28,5 - 138,5	28	35 - 180	1,75	412
2500	25	25 - 125	41 - 141	35	55 - 250	2,25	426
2700	35	50 - 175	66 - 194	50	63 - 250	2,75	444
3500	45	50 - 250	70 - 270	64	75 - 300	3,00	462
255	24	38 - 103	54 - 119	35	55 - 250	1,80	480

 E2/000 e-chains® Snap-open along inner radius from both sides. For long travels please consult igus®							
1400	21	15 - 125	28,5 - 138,5	28	35 - 180	1,75	412
2400	25	25 - 125	41 - 141	35	55 - 250	2,25	426
2600	35	50 - 175	66 - 194	50	63 - 250	2,75	444
3400	45	50 - 250	70 - 270	64	75 - 300	3,00	462

 Half e-tubes Snap-open along inner radius from both sides. For long travels please consult igus®							
1450	21	15 - 125	28,5 - 138,5	28	75 - 180	1,75	412
2450	25	25 - 125	41 - 141	35	75 - 250	2,25	426
2650	35	50 - 175	66 - 194	50	100 - 250	2,75	444
3450	45	50 - 250	70 - 270	64	125 - 300	3,00	462

 Full e-tubes Snap-open along inner radius from both sides. For long travels please consult igus®							
1480	21	15 - 125	28,5 - 138,5	28	75 - 180	1,75	412
2480	25	25 - 125	41 - 141	35	75 - 250	2,25	426
2680	35	50 - 175	66 - 194	50	100 - 250	2,75	444
3480	45	50 - 250	70 - 270	64	125 - 300	3,00	462



Push and click



Snap in pin



Push and snap crossbars



e-tube: push and snap lid


Open E2/000 e-chains® in a flash with the **e-chain® opener** ► page 405

Technical Data, overview ► page 408

e-chain® links as single parts, overview ► page 409

Configuration options and order keys, overview ► page 410

Assembly video available online at ► www.igus.eu/eu/E2000assembly


Technical Data - System E2/000

	Gliding ¹⁾ speed / acceleration (maximum)	max. 10 [m/s] / max. 50 [m/s ²]
	Speed / acceleration FL_G max.	max. 20 [m/s] / max. 200 [m/s ²]
	Speed / acceleration FL_B max.	max. 3 [m/s] / max. 6 [m/s ²]
	Material - permitted temperature °C, igumid G	40° up to +120° C
	Flammability class, igumid G	VDE 0304 IIC UL94-HB

■ FL_G = with straight upper run ■ FL_B = with permitted sag

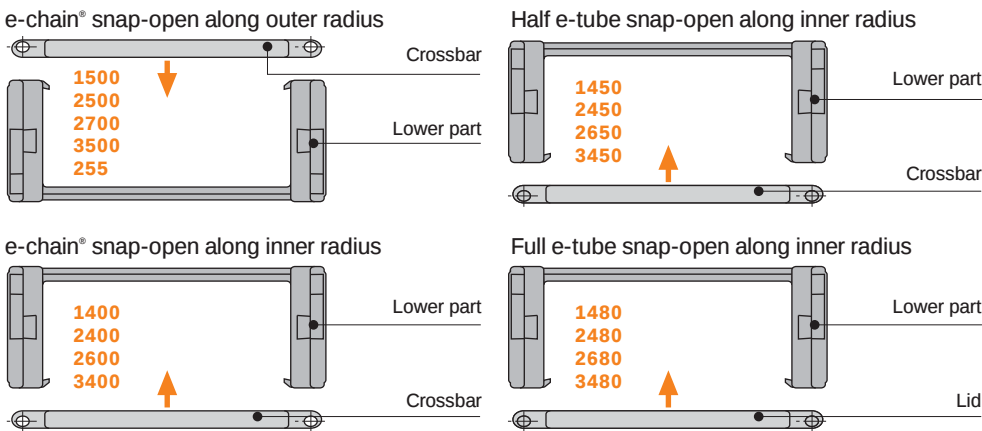
1) **Note:** Before using series snap open along the inner radius for gliding applications, please consult igus®

Installation methods overview, maximum travels - System E2/000

e-chain® / e-tube Series	 Unsupported application	 ¹⁾ Gliding application	 Vertical hanging	 Vertical standing	 Side mounted unsupported	 Rotary application	 Zig-zag application	 Unsupported length lower run
1400/1500/1450/1480	≤ 1,75 m	≤ 75 m	≤ 20 m	≤ 2,0 m	≤ 0,7 m	with rework	upon request	upon request
2400/2500/2450/2480	≤ 2,25 m	≤ 100 m	≤ 40 m	≤ 3,0 m	≤ 1,0 m	with rework	upon request	upon request
2600/2700/2650/2680	≤ 2,70 m	≤ 120 m	≤ 50 m	≤ 3,0 m	≤ 1,0 m	with rework	upon request	upon request
3400/3500/3450/3480	≤ 3,00 m	≤ 150 m	≤ 80 m	≤ 3,0 m	≤ 1,0 m	with rework	upon request	upon request
255	≤ 1,80 m	≤ 100 m	≤ 40 m	≤ 3,0 m	≤ 1,0 m	with rework	upon request	upon request

1) **Note:** Before using series snap open along the inner radius for gliding applications, please consult igus®

 Part No. two-piece e-chain® links as single parts - System E2/000



 e-chain® Series	e-chain® Crossbar*	e-chain® Lower parts**	 e-tube Series	e-tube Crossbar/lid*	e-tube Lower parts**
1400	15000. <i>Bi</i>	1400. <i>Bi</i> 00. <i>R</i>	1450	15000. <i>Bi</i>	1450. <i>Bi</i> 00. <i>R</i>
1500	15000. <i>Bi</i>	1500. <i>Bi</i> 00. <i>R</i>	1480	14800. <i>Bi</i>	1450. <i>Bi</i> 00. <i>R</i>
2400	25000. <i>Bi</i>	2400. <i>Bi</i> 00. <i>R</i>	2450	25000. <i>Bi</i>	2450. <i>Bi</i> 00. <i>R</i>
2500	25000. <i>Bi</i>	2500. <i>Bi</i> 00. <i>R</i>	2480	24800. <i>Bi</i>	2450. <i>Bi</i> 00. <i>R</i>
2600	27000. <i>Bi</i>	2600. <i>Bi</i> 00. <i>R</i>	2650	27000. <i>Bi</i>	2650. <i>Bi</i> 00. <i>R</i>
2700	27000. <i>Bi</i>	2700. <i>Bi</i> 00. <i>R</i>	2680	26800. <i>Bi</i>	2650. <i>Bi</i> 00. <i>R</i>
3400	35000. <i>Bi</i>	3400. <i>Bi</i> 00. <i>R</i>	3450	35000. <i>Bi</i>	3450. <i>Bi</i> 00. <i>R</i>
3500	35000. <i>Bi</i>	3500. <i>Bi</i> 00. <i>R</i>	3480	34800. <i>Bi</i>	3450. <i>Bi</i> 00. <i>R</i>
255	2550. <i>Bi</i>	255. <i>Bi</i> 00. <i>R</i>	—	—	—

* Crossbar / Lid / bottom - supplement Part No. with required width index (*Bi*). Example: 25000.**100**

** Lower parts - supplement Part No. with required width index (*Bi*) and radius (*R*). Example: 2500.**10000.100**

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

E2/000 | Configuration options and order key

(based on Series 2400-2450-2480-2500)

 Standard	Additional noise dampening with pads	NC-Version - (no camber) without pretension	Reverse bending radius for circular movements
Part No. Standard 	Part No. Low noise (with pads) 	Part No. NC-Material 	Part No. RBR 
2400.03.R.0 e-chain* snap-open along inner radius ¹⁾	S2400.03.R.0 e-chain* snap-open along inner radius ¹⁾	2400.03.R.0.NC e-chain* snap-open along inner radius ¹⁾	2400.03.R1/R2.0 e-chain* snap-open along inner radius ¹⁾
2500.03.R.0 e-chain* snap-open along outer radius	S2450.03.R.0 Half e-tube snap-open along inner radius ¹⁾	2500.03.R.0.NC e-chain* snap-open along outer radius	2500.03.R1/R2.0 e-chain* snap-open along outer radius
2450.03.R.0 Half e-tube snap-open along inner radius ¹⁾	S2480.03.R.0 e-tube snap-open along inner radius ¹⁾	2450.03.R.0.NC Half e-tube snap-open along inner radius ¹⁾	RBR for e-tubes - please consult igus
2480.03.R.0 e-tube snap-open along inner radius ¹⁾		2480.03.R.0.NC e-tube snap-open along inner radius ¹⁾	RBR for e-tubes - please consult igus
Delivery time* 24h or today!	Delivery time* 3-5 work days	Delivery time* 2-5 work days	Delivery time* - Several widths from stock

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

¹⁾ for gliding applications please consult igus*

Combination possibilities | Examples

	Low-noise option	NC-Version	RBR-Version	XXL-Material	HT-Material*	ESD-Material
Low-noise option		S2400.03.R.0.NC	–	S2400.03.R.0.XXL	S2480.03.R.0.HT	S2400.03.R.0.ESD
NC-Version	S2400.03.R.0.NC		–	–	2480.30.R.0.HT.NC	2400.03.R.0.ESD.NC
RBR-Version	–	–		–	2480.03.R1/R2.0.HT	2400.03.R1/R2.0.ESD
XXL-Material	S2400.03.R.0.XXL	–	–		–	–
HT-Material*	S2480.03.R.0.HT	2480.30.R.0.HT.NC	2480.30.R1/R2.0.HT	–		–
ESD-Material	S2400.03.R.0.ESD	2400.03.R.0.ESD.NC	2400.03.R1/R2.0.ESD	–	–	

for gliding applications please consult igus

E2/000 | Configuration options and order key

(based on Series 2400-2450-2480-2500)

Unsupported lengths +25% possible	No burning-in of hot chips up to 850°C (1562° F)	ATEX / ESD classified e-chains®  II 2 GD	Magnetically detectable plastic e-chains® for the food- and tobacco industry
Part No. XXL-Material ⁰³⁾ 	Part No. HT-Material only for e-tubes 	Part No. ESD-Material 	Part No. igumid DT-Material 
2400.03.R.0.XXL e-chain* snap-open along inner radius ¹⁾	2480.03.R.0.HT Complete e-tube**	2400.03.R.0.ESD e-chain* snap-open along inner radius ¹⁾	2400.03.R.0.DT e-chain* snap-open along inner radius ¹⁾
2500.03.R.0.XXL e-chain* snap-open along outer radius	2480.03.HT.R.0 Bottom only	2500.03.R.0.ESD e-chain* snap-open along outer radius	2500.03.R.0.DT e-chain* snap-open along outer radius
2450.03.R.0.XXL Half e-tube snap-open along inner radius ¹⁾		2450.03.R.0.ESD Half e-tube snap-open along inner radius ¹⁾	2450.03.R.0.DT Half e-tube snap-open along inner radius ¹⁾
2480.03.R.0.XXL e-tube snap-open along inner radius ¹⁾		2480.03.R.0.ESD e-tube snap-open along inner radius ¹⁾	2480.03.R.0.DT e-tube snap-open along inner radius ¹⁾
Delivery time* 5 work days	Delivery time* 7-10 work days	Delivery time* - Several widths from stock	Delivery time upon request

3) Lower part made of XXL-material

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 22 links	2500.03.100.0
+ Mounting brackets	1 set (with tiwrap plates)	2030.34PZB+
+ Interior separation	with 2 separators assembled every 2 nd link	2 x 211
Order text: 1,0 m 2500.03.100.0 + 2030.34PZB+ + 2 x Part No. 211		

 **Order key**
2500.03.100.0

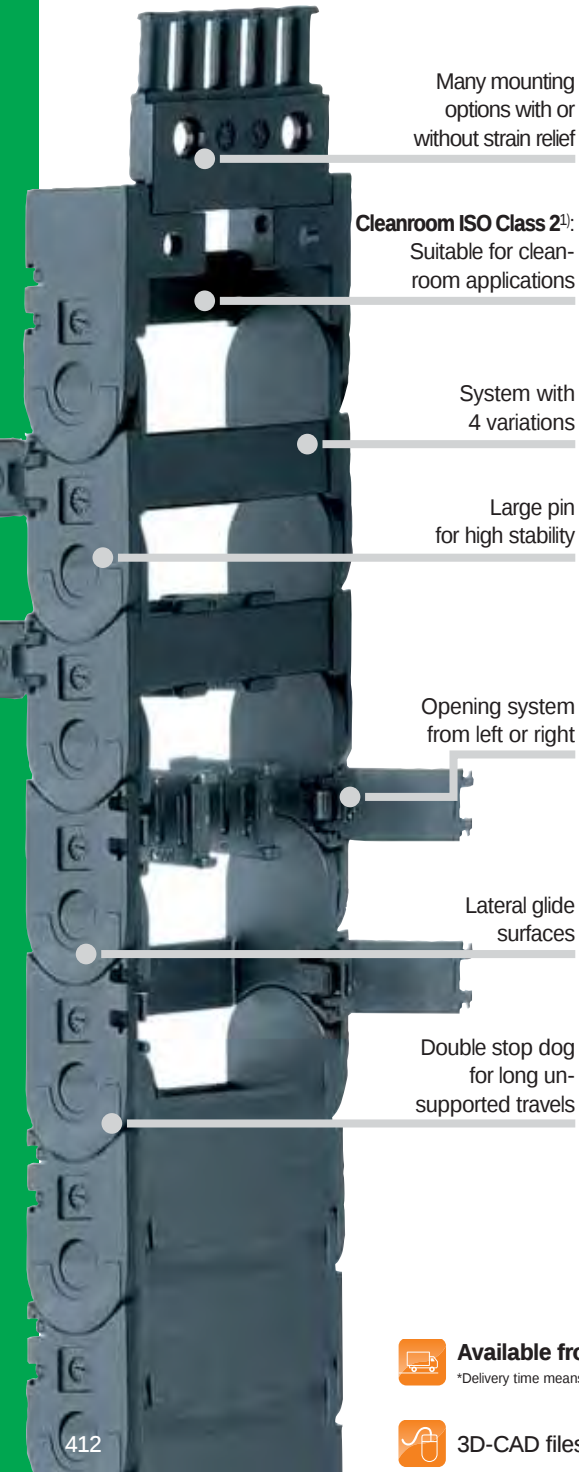
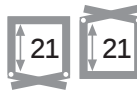
Standard color black
Bending radius <i>R</i>
Width index (depends on <i>B</i>)
Series / Type

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



Many mounting options with or without strain relief

Cleanroom ISO Class 2¹⁾:
Suitable for cleanroom applications

System with 4 variations

Large pin for high stability

Opening system from left or right

Lateral glide surfaces

Double stop dog for long unsupported travels

+ Small radii, high stability

When to use Series 1400-1450-1480-1500:

- If a medium-sized, stable system with an inner height of 21 mm is required (e-chains®, half and full e-tubes)
- If inner widths up to 125 mm are required
- For unsupported lengths up to 1,75 m and fill weights up to 2,0 kg/m
- For long travels up to 75 m
- If an optimized system for quick opening of crossbars from left or right is required

¹⁾ Cleanroom - Series 1500.050.038.0, more details ► page 132

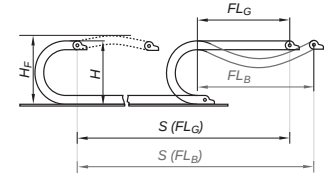
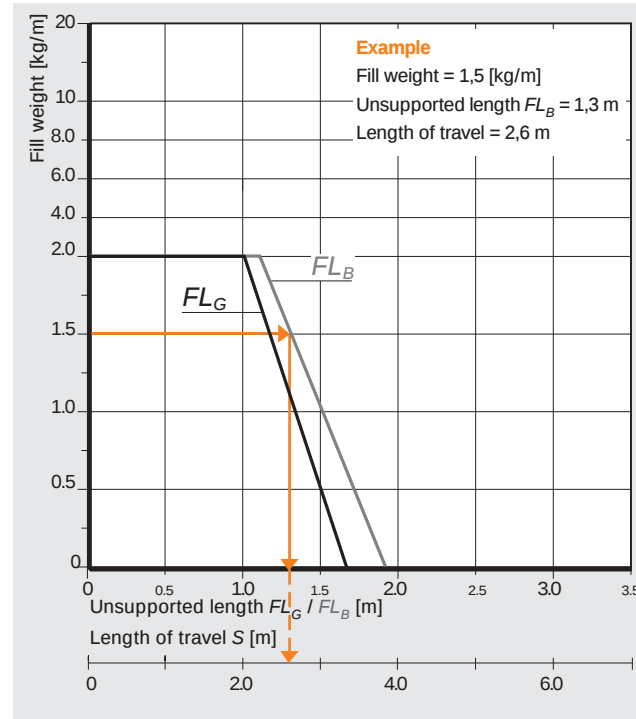


When to use a different igus® Series:

- If more stability is required
► System E4.1, Series E4.21, page 626
- For simple applications and easy filling
► easy chain®, Series E14, page 180
- If e-tubes with smaller bending radii are required
► e-tubes E2, Series R117, page 502



Open E2/000 e-chains® in a flash with the **e-chain® opener** ► page 405

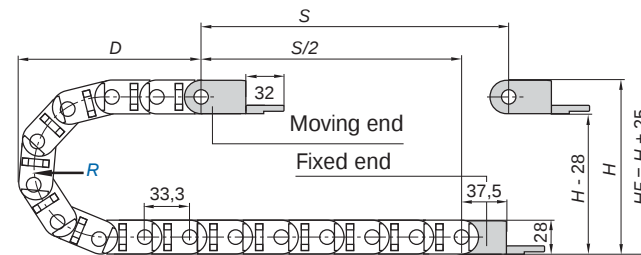


Standard Unsupported applications

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

Gliding applications

Long travels up to 75 m.
More information ► page 424



Technical Data

Speed, material, temperature and flammability class ► page 408

Pitch = 33,3 mm/link
Links/m = 30 (1000 mm)
Chain length = $\frac{S}{2} + K$

R	035*	038*	048*	075	100	125	145	180
H	98	104	124	178	228	278	318	388
D	99	102	112	139	164	189	209	244
K	180	190	220	305	385	460	525	635

The required clearance height: $H_F = H + 25$ mm (with 0,5 kg/m fill weight)

*Radius for Series 1450/1480 available upon request, please consult igus® for delivery time. Note: Before using Series 1400/1450/1480 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/E2000



e-chains® | Series 1400 snap-open along inner radius
e-chains® | Series 1500 snap-open along outer radius | Standard

e-chains® snap-open along inner radius	e-chains® snap-open along outer radius		<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	1400 [kg/m]	1500 [kg/m]
1400.015. <i>R.0</i>	1500.015. <i>R.0</i>		15	28,5	035 038 048 075 100 125 145 180	≈ 0,46	≈ 0,46
1400.020. <i>R.0</i>	1500.020. <i>R.0</i>		20	33,5	035 038 048 075 100 125 145 180	≈ 0,47	≈ 0,47
1400.025. <i>R.0</i>	1500.025. <i>R.0</i>		25	38,5	035 038 048 075 100 125 145 180	≈ 0,49	≈ 0,49
1400.038. <i>R.0</i>	1500.038. <i>R.0</i>		38	51,5	035 038 048 075 100 125 145 180	≈ 0,53	≈ 0,53
1400.050. <i>R.0</i>	1500.050. <i>R.0</i>		50	63,5	035 038 048 075 100 125 145 180	≈ 0,56	≈ 0,56
1400.068. <i>R.0</i>	1500.068. <i>R.0</i>		68	81,5	035 038 048 075 100 125 145 180	≈ 0,63	≈ 0,63
1400.080. <i>R.0</i>	1500.080. <i>R.0</i>		80	93,5	035 038 048 075 100 125 145 180	≈ 0,67	≈ 0,67
1400.100. <i>R.0</i>	1500.100. <i>R.0</i>		100	113,5	035 038 048 075 100 125 145 180	≈ 0,74	≈ 0,74
1400.125. <i>R.0</i>	1500.125. <i>R.0</i>		125	138,5	035 038 048 075 100 125 145 180	≈ 0,83	≈ 0,83

Supplement Part No. with required radius. Example: 1500.038.100.0

Note: Before using Series 1400/1450/1480 on long travels (gliding), please consult igus®!

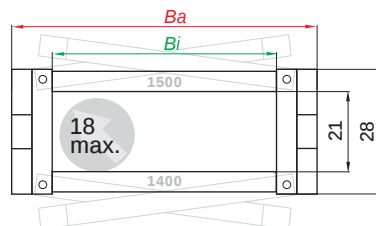


Order key

1400. 038. 100. 0 e-chain®

1500. 038. 100. 0 e-chain®

Standard color black
Bending radius *R*
Width index
Series / Type



e-chain® links as single parts, overview ► page 409



Configuration options and order keys, overview ► page 410



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

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



Half e-tubes | Series 1450 snap-open along inner radius, closed along outer radius
Full e-tubes | Series 1480 snap-open along inner radius, fully enclosed

Half e-tubes snap-open along inner radius	Full e-tubes snap-open along inner radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	1450 [kg/m]	1480 [kg/m]
1450.015. <i>R.0</i>	1480.015. <i>R.0</i>	15	28,5	035* 038* 048* 075 100 125 145 180	≈ 0,48	≈ 0,50
1450.020. <i>R.0</i> **	1480.020. <i>R.0</i> **	20	33,5	035* 038* 048* 075 100 125 145 180	≈ 0,51	≈ 0,51
1450.025. <i>R.0</i>	1480.025. <i>R.0</i>	25	38,5	035* 038* 048* 075 100 125 145 180	≈ 0,54	≈ 0,57
1450.038. <i>R.0</i>	1480.038. <i>R.0</i>	38	51,5	035* 038* 048* 075 100 125 145 180	≈ 0,59	≈ 0,61
1450.050. <i>R.0</i>	1480.050. <i>R.0</i>	50	63,5	035* 038* 048* 075 100 125 145 180	≈ 0,65	≈ 0,67
1450.068. <i>R.0</i>	1480.068. <i>R.0</i>	68	81,5	035* 038* 048* 075 100 125 145 180	≈ 0,74	≈ 0,77
1450.080. <i>R.0</i>	1480.080. <i>R.0</i>	80	93,5	035* 038* 048* 075 100 125 145 180	≈ 0,80	≈ 0,84
1450.100. <i>R.0</i>	1480.100. <i>R.0</i>	100	113,5	035* 038* 048* 075 100 125 145 180	≈ 0,90	≈ 0,95
1450.125. <i>R.0</i>	1480.125. <i>R.0</i>	125	138,5	035* 038* 048* 075 100 125 145 180	≈ 1,03	≈ 1,08

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

For radii 035, 038, 048 the e-tube is not fully enclosed. Please consult igus®.

Supplement Part No. with required radius. Example: 1450.038.100.0

Note: Before using Series 1400/1450/1480 on long travels (gliding), please consult igus®!

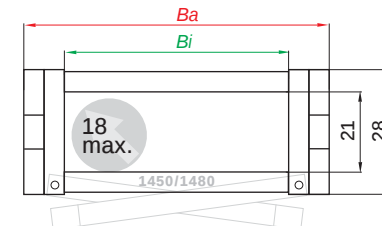


Order key

1450. 038. 100. 0 Half e-tube

1480. 038. 100. 0 Full e-tube

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



e-chain® links as single parts, overview ► page 409



Configuration options and order keys, overview ► page 410



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

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

New generation of interior separation - for e-chains®



Noise dampening | Noise reduction ≈ 5 dB(A)

e-chains® snap-open along inner radius	Half e-tubes snap-open along inner radius	Full e-tubes snap-open along inner radius	<i>R</i> Bending radii [mm]	<i>Bi</i> [mm]
S1400.015.	S1450.015.	S1480.015.	<i>R</i> .0	15
S1400.020.	S1450.020.**	S1480.020.**	<i>R</i> .0	20
S1400.025.	S1450.025.	S1480.025.	<i>R</i> .0	25
S1400.038.	S1450.038.	S1480.038.	<i>R</i> .0	38
S1400.050.	S1450.050.	S1480.050.	<i>R</i> .0	50
S1400.068.	S1450.068.	S1480.068.	<i>R</i> .0	68
S1400.080.	S1450.080.	S1480.080.	<i>R</i> .0	80
S1400.100.	S1450.100.	S1480.100.	<i>R</i> .0	100
S1400.125.	S1450.125.	S1480.125.	<i>R</i> .0	125

**Width available upon request, please consult igus* for delivery time *Radius for Series 1450/1480 available upon request, please consult igus* for delivery time

For radii 035, 038, 048 the e-tube is not fully enclosed. Please consult igus*.

Supplement Part No. with required radius. Example: **S1400.038.100.0****Note:** Before using Series 1400/1450/1480 on long travels (gliding), please consult igus*!

Configuration options and order keys, overview ► page 410



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

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

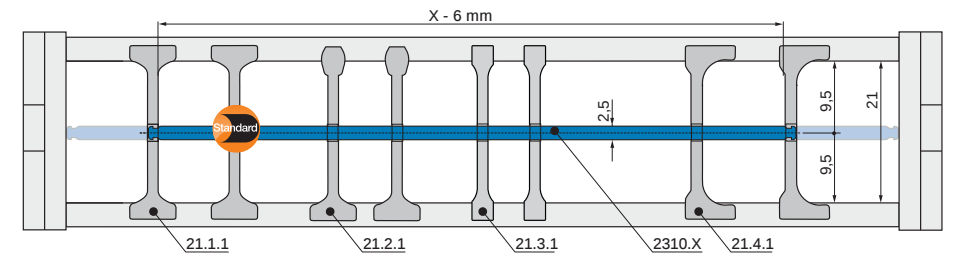
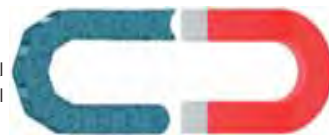
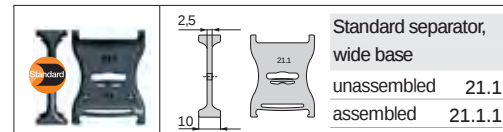
**ESD/ATEX permanently conductive e-chains®** - 1500 several widths with delivery from stock:Inner widths *Bi* 15 - 80, radii *R* 038 - 145. Full ESD product range ► www.igus.eu/ESD

Magnetically detectable plastic e-chains®

For the food- and tobaccoindustry | **New** in this catalog

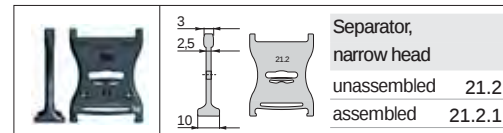
● The material igumid DT is detected to the tiniest fragment all common metal detection systems and can therefore be selected automatically ● Particles as small as 1.0 mm can be recognized for fragments passing at speeds of 20 m/min

More information ► www.igus.eu/eu/detectable-chain

In the standard configuration separators are assembled every 2nd e-chain® link**Note:** Only suitable for e-chain® Series 1400/1500! Interior separation for e-tubes ► see next pageStandard separator,
wide base

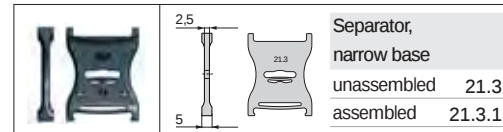
unassembled 21.1

assembled 21.1.1

Separator,
narrow head

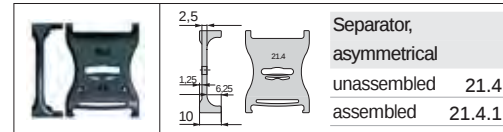
unassembled 21.2

assembled 21.2.1

Separator,
narrow base

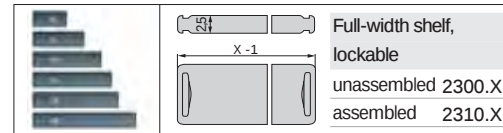
unassembled 21.3

assembled 21.3.1

Separator,
asymmetrical

unassembled 21.4

assembled 21.4.1

Full-width shelf,
lockable

unassembled 2300.X

assembled 2310.X

Standard - for all applications

Separator with wide base for maximum locking strength and safe standing in e-chains®.

For even faster installation

Firm hold to one side with a wide base, narrow on opposed side for easy cable assembly (slight grip).

For many thin cables

Separator with a narrow base for a large number of thin cables side by side. Saves space in e-chains®.

For side-mounted applications

Asymmetrical separator, for defined distance.

No additional spacers necessary.

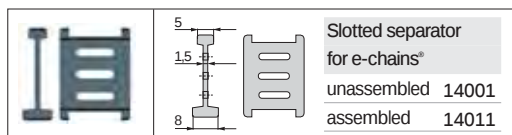
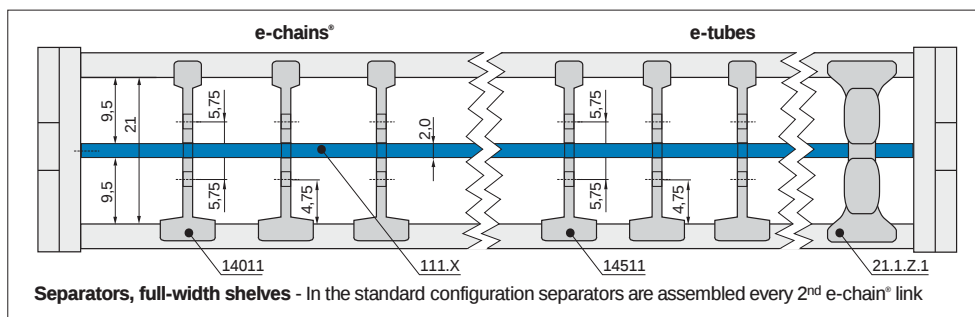
Horizontal separation

Full-width shelf locks safely into separators on both ends, fixed width possible. Separators can be moved freely over the shelf in horizontal direction. Can be used at one height.

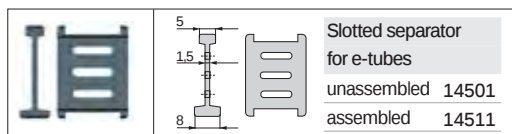


Lockable full-width shelves - for the standard interior separation

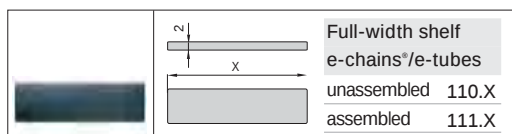
Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
015	2300.015	2310.015	060	2300.060	2310.060	087	2300.87	2310.087
025	2300.025	2310.025	062	2300.062	2310.062	090	2300.90	2310.090
030	2300.030	2310.030	065	2300.065	2310.065	100	2300.100	2310.100
038	2300.038	2310.038	070	2300.070	2310.070	103	2300.103	2310.103
040	2300.040	2310.040	075	2300.075	2310.075	110	2300.110	2310.110
050	2300.050	2310.050	077	2300.077	2310.077	120	2300.120	2310.120
057	2300.057	2310.057	080	2300.080	2310.080	125	2300.125	2310.125

**Slotted separator 14001 (e-chains® only)**

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

**Slotted separator 14501 (e-tubes only)**

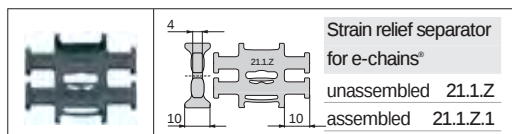
is used when vertical and horizontal separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.

**Full-width shelf 110.X (e-chains®/e-tubes)**

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 5,75 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	038	110.38	111.38	080	110.80	111.80
020	110.20	111.20	050	110.50	111.50	100	110.100	111.100
025	110.25	111.25	068	110.68	111.68	125	110.125	111.125

**Additional elements for interior separation****Strain relief separator 21.1.Z (e-chains® only)**

Can be integrated into the mounting bracket and can be placed there at any point. It combines strain relief and interior separation.



E2/000 Series 1400 in aircraft refueling truck; telescopic crane with six sections

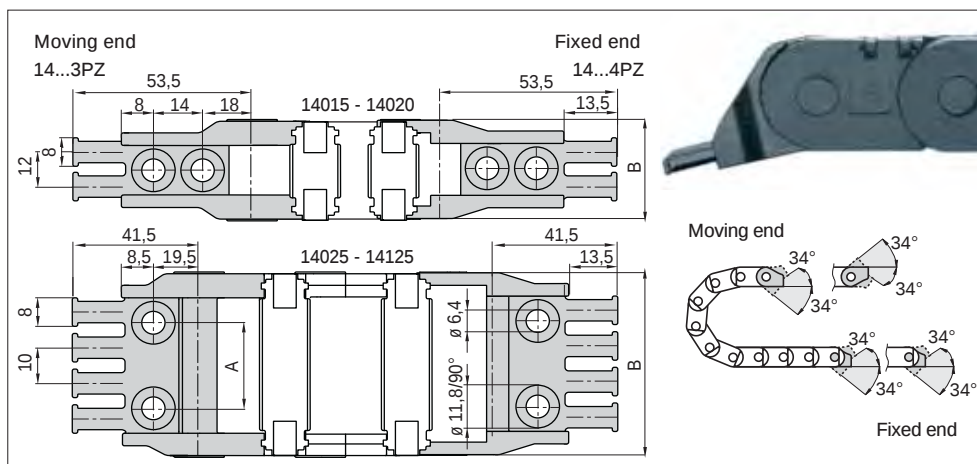
Optional: Support tray tool kit.**For support of the lower run.**

Simple one-piece support trays according to your requirements and specification. Available upon request. The complete range with order options ► from page 1258



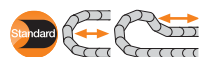
1400·1450·1480·1500 | Mounting brackets pivoting

For tight installation conditions



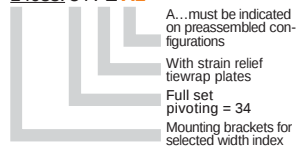
Polymer pivoting, one-piece | Standard - Universal for e-chains® and e-tubes
Recommended for unsupported and gliding applications

For width index	Part No. full set with tiewrap plate	Dim. A [mm]	Dim. B [mm]	Number of teeth
.015. ▶	14015.34PZ	–	28,5	2
.020. ▶	14020.34PZ	–	33,5	2
.025. ▶	14025.34PZ	13	38,5	2
.038. ▶	14038.34PZ	24	51,5	4
.050. ▶	14050.34PZ	36	63,5	5
.068. ▶	14068.34PZ	54	81,5	7
.080. ▶	14080.34PZ	66	93,5	8
.100. ▶	14100.34PZ	86	113,5	10
.125. ▶	14125.34PZ	111	138,5	13



- Standard
- For tight installation conditions
- One-piece, stable mounting brackets
- Integrated molded strain relief
- Corrosion resistant
- Various installation options on the fixed end and/or the moving end

Part No. structure (pivoting)

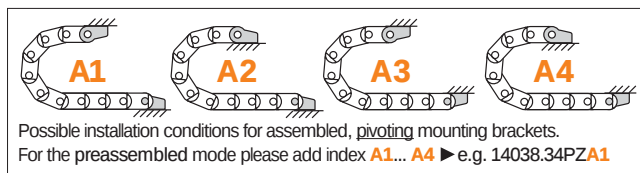
14038. 34 PZ **A1**

Single-part order

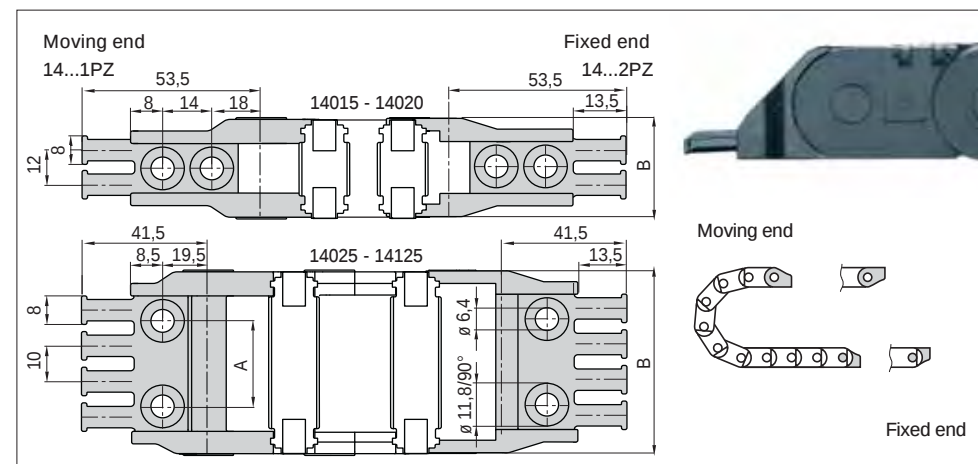
Mounting bracket Moving end

14038. 3 PZ **A1** (preassembled + tiewrap plate)

Mounting bracket Fixed end

14038. 4 PZ **A1** (preassembled + tiewrap plate)Possible installation conditions for assembled, pivoting mounting brackets.For the preassembled mode please add index **A1... A4** ▶ e.g. 14038.34PZ**A1**1400·1450·1480·1500 | Mounting brackets locking

For very high speed and acceleration



Polymer locking, one-piece | Universal for e-chains® and e-tubes
Recommended for vertical hanging and standing applications

For width index	Part No. full set with tiewrap plate	Dim. A [mm]	Dim. B [mm]	Number of teeth
.015. ▶	14015.12PZ	–	28,5	2
.020. ▶	14020.12PZ	–	33,5	2
.025. ▶	14025.12PZ	13	38,5	2
.038. ▶	14038.12PZ	24	51,5	4
.050. ▶	14050.12PZ	36	63,5	5
.068. ▶	14068.12PZ	54	81,5	7
.080. ▶	14080.12PZ	66	93,5	8
.100. ▶	14100.12PZ	86	113,5	10
.125. ▶	14125.12PZ	111	138,5	13



- 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)

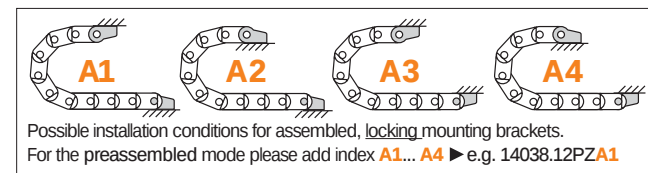
14038. 12 PZ **A1**

Single-part order

Mounting bracket Moving end

14038. 1 PZ **A1** (preassembled + tiewrap plate)

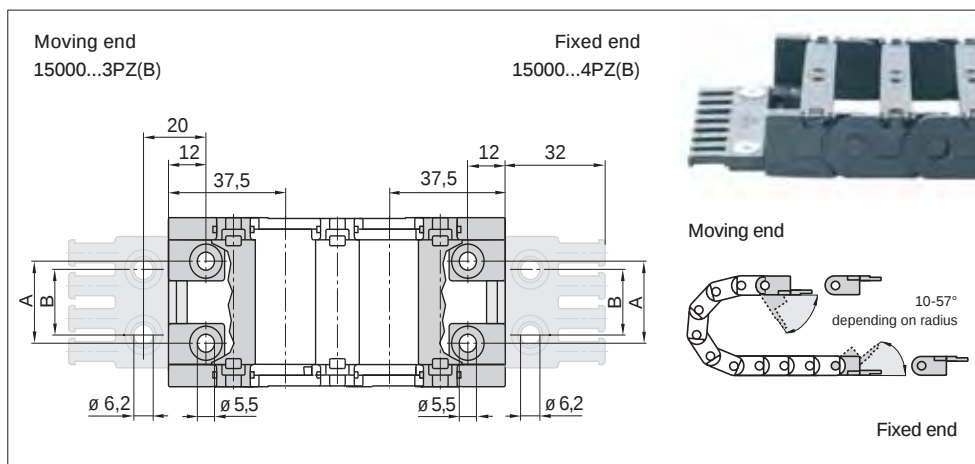
Mounting bracket Fixed end

14038. 2 PZ **A1** (preassembled + tiewrap plate)Possible installation conditions for assembled, locking mounting brackets.For the preassembled mode please add index **A1... A4** ▶ e.g. 14038.12PZ**A1**

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 1148



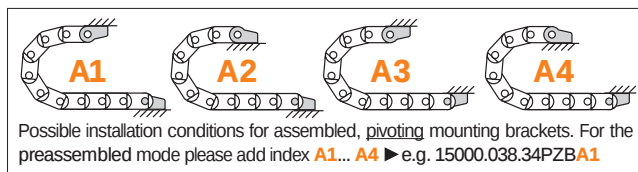
Strain relief e.g. clamps, tiewrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 1148

1400·1450·1480·1500 | Mounting brackets pivoting

Polymer pivoting | Universal for e-chains® and e-tubes
Recommended for unsupported and gliding applications

For width index	Part No. full set with tiewrap plate	Part No. full set without tiewrap plate	Dim. A [mm]	Dim. B [mm]	Number of teeth
.015. ▶	—	—	—	—	—
.020. ▶	—	—	—	—	—
.025. ▶	15000.025.34PZB	15000.025.34PZ	12	15	3
.038. ▶	15000.038.34PZB	15000.038.34PZ	25	20	4
.050. ▶	15000.050.34PZB	15000.050.34PZ	37	30	5
.068. ▶	15000.068.34PZB	15000.068.34PZ	55	40	6
.080. ▶	15000.080.34PZB	15000.080.34PZ	67	60	8
.100. ▶	15000.100.34PZB	15000.100.34PZ	87	80	10
.125. ▶	15000.125.34PZB*	15000.125.34PZ*	112	100	12

*Tiewrap plate (consists of 2x2050.ZB) does not snap on but needs to be bolted down separately
Note: Mounting brackets not to assemble at the gable end

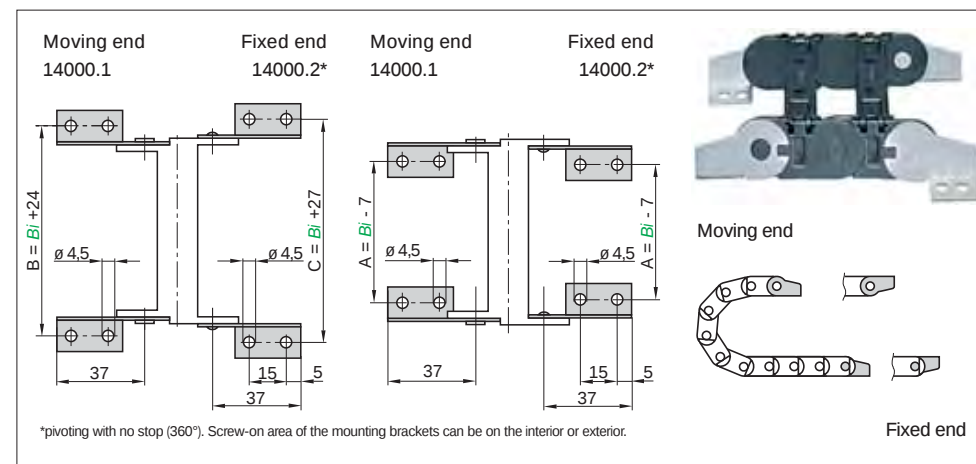


- For tight installation conditions
- Strain relief with detachable tiewrap plates
- Variable traverse angle for flexible assembly
- Corrosion resistant
- Various installation options on the fixed end and/or the moving end

Part No. structure (pivoting)

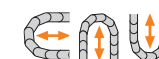


Single-part order
Mounting bracket Moving end
15000.038.3PZA1 (preassembled + tiewrap plate)
Mounting bracket Fixed end
15000.038.4PZA1 (preassembled + tiewrap plate)

1400·1450·1480·1500 | Steel mounting brackets locking

Steel locking | - For e-chains® and e-tubes
Recommended for unsupported, vertical hanging and standing applications

For width index	Part No. full set	Part No. full set stainless steel**	Dim. A [mm]	Dim. B [mm]	Dim. C [mm]
.015. ▶	14000.12	14000.12.E	8	39	42
.020. ▶	14000.12	14000.12.E	13	44	47
.025. ▶	14000.12	14000.12.E	18	49	52
.038. ▶	14000.12	14000.12.E	31	62	65
.050. ▶	14000.12	14000.12.E	43	74	77
.068. ▶	14000.12	14000.12.E	61	92	95
.080. ▶	14000.12	14000.12.E	73	104	107
.100. ▶	14000.12	14000.12.E	93	124	127
.125. ▶	14000.12	14000.12.E	118	149	152

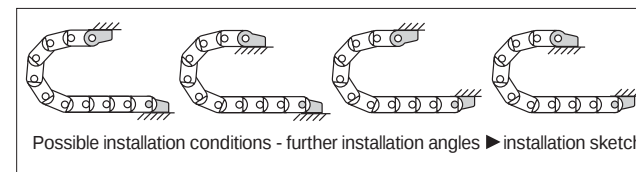


- Locked connections
- One part (2-piece) for all e-chain® widths
- Electrically conductive
- Bolted connection outside of chain cross-section possible
- Stainless steel version available (**Material: stainless steel 1.4301 / AISI 304)

Part no. structure



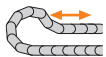
Single-part order
Mounting bracket Moving end
14000. 1 (1 part left / right)
Mounting bracket Fixed end
14000. 2 (1 part left / right)



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 1148

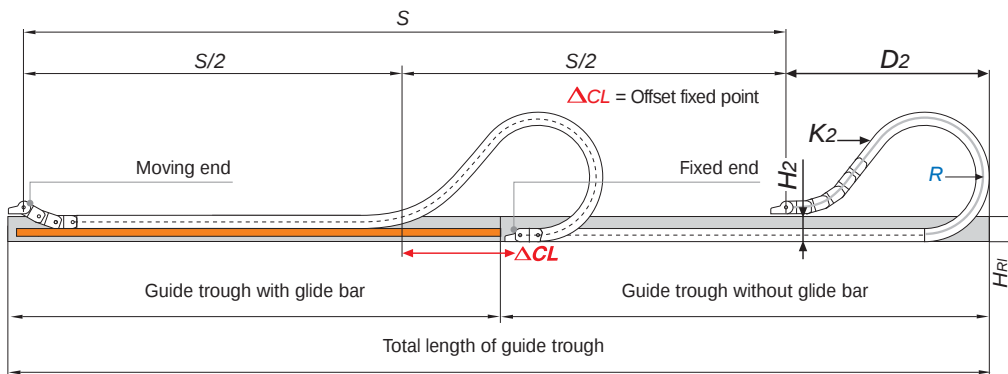


Strain relief e.g. clamps, tiewrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 1148



Gliding applications | For long travels from 10 m to max. 75 m

Solution for long travel applications - In this case the e-chain® upper run will be introduced in a guide trough on the lower run. We recommend to realize the engineering of such a plant by our technicians. **Please note:** For using Series 1400/1450/1480 for long travels (gliding), please consult igus® first. For long travels, igus® specifies Series 1500 that snaps open along the outer radius. In case of travels between 4 and 10 m we recommend a longer unsupported length. More information ► Design, from page 106



$$\text{Pitch} = 33,3 \text{ mm/link} \cdot \text{Links/m} = 30 (1000 \text{ mm}) \cdot \text{Chain length} = S/2 + K_2$$

R	035*	038*	048*	075	100	125	145	180
H ₂	70	76	96	150	100	100	100	100
D ₂ ⁺²⁵	99	102	112	139	340	495	540	690
K ₂	180	190	220	305	600	800	940	1170
ΔCL	—	—	—	—	179	305	340	445

*Radius for Series 1450/1480 available upon request, please consult igus® for delivery time. Note: Before using Series 1400/1450/1480 on long travels, please consult igus®!



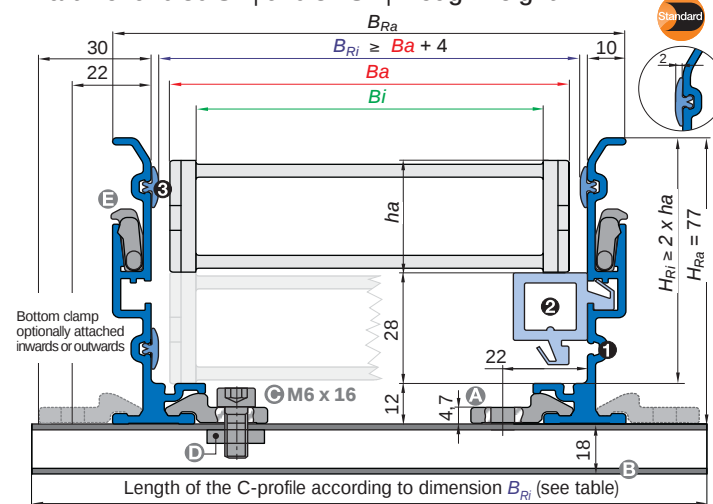
e-chains® for long travels: E4/4HD, P4, autoglide, rol e-chain® ► from page 1264
Special solutions for long travel applications ► from page 1348



H₂ = Mounting height (if the moving end is set lower) K₂ = Further add-on (if the moving end is set lower) ΔCL = Offset fixed point S = Length of travel
D₂ = Over length - long travels, gliding R = Bending radius H_{Ri} = Inner trough height S/2 = Half length of travel

Aluminum SuperTrough | Basic Version

Part No. 970.30.SL | 970.32.SL | Trough height: 77 mm



● 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": ❶ Bottom clamp, aluminum ❷ C-profile, galvanized steel ► table ❸ Screw M6 x 16 ❹ Sliding nut M6 ❺ Interface connector, plastic



Order example: Length of travel 30 m -

Center mounted for Series 1500.050.035.0 with B_{Ri} = 68

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. 970.32.SL

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

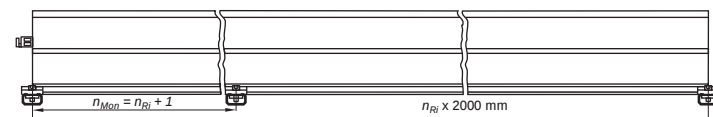
Order text: 17 installation sets

Part No. 960.30.125

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 1192



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

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	33	upon request	960.30.125
.020	38	upon request	960.30.125
.025	43	upon request	960.30.150
.038	56	upon request	960.30.150
.050	68	960.30.125	960.30.175
.068	86	960.30.150	960.30.175
.080	98	960.30.150	960.30.200
.100	118	960.30.175	960.30.225
.125	143	960.30.200	960.30.250



Many mounting options with or without strain relief

Opening system from left or right

System with 4 variations

Large pin for high stability

Double stop dog for long unsupported travels

Lateral glide surfaces

Cleanroom ISO Class 3¹⁾: Suitable for clean-room applications

+ Allrounder, high stability

When to use Series 2400-2450-2480-2500:

- If a medium-sized, stable system with an inner height of 25 mm is required (e-chains®, half and full e-tubes)
- If inner widths up to 125 mm are required
- For unsupported lengths up to 2,25 m and fill weights up to 4,8 kg/m
- For long travels up to 100 m
- If an optimized system for quick opening of crossbars from left or right is required

1) Cleanroom - Series 2500.05.055.0, more details ► page 132



When to use a different igus® Series:

- If more stability is required
► System E4.1, Series E4.28, page 634
- For simple applications and easy filling
► easy chain®, Series E200, page 184
- If e-tubes with smaller bending radii are required
► e-tubes E2, Series R48, page 540



Open E2/000 e-chains® in a flash with the **e-chain® opener** ► page 405

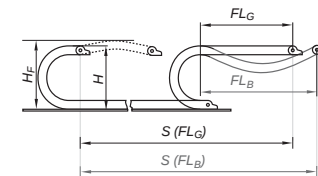
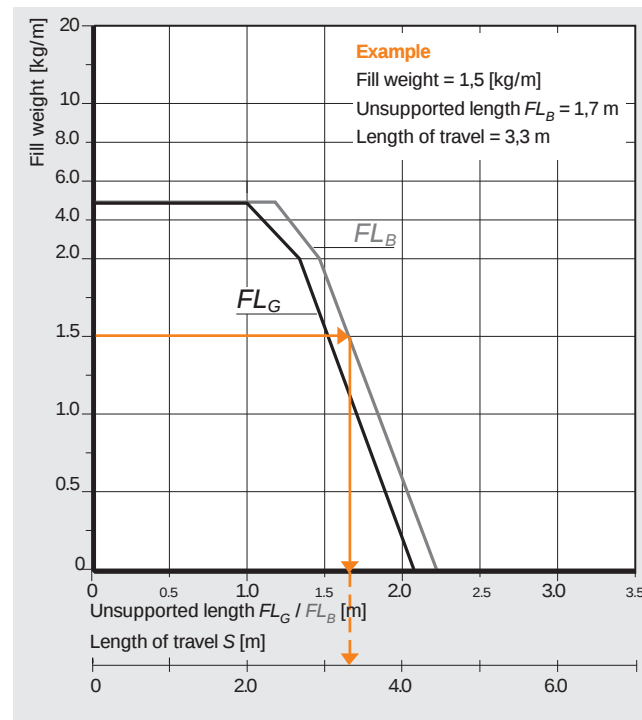


Available from stock. Delivery time* in 24h or today!

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



3D-CAD files, configurators, PDF ► www.igus.eu/eu/E2000



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



Gliding applications

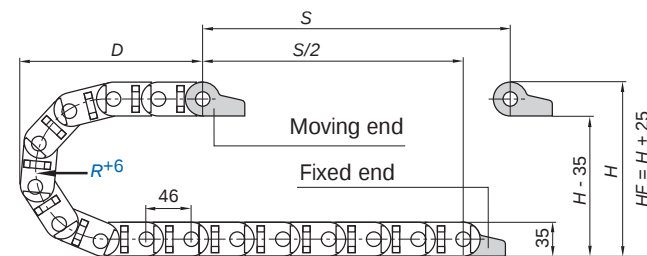
Long travels up to 100 m.
More information ► page 442



Technical Data

Speed, material, temperature and flammability class ► page 408

Pitch = 46 mm/link
Links/m = 22 (1012 mm)
Chain length = $\frac{S}{2} + K$



R	055*	075	100	125	150	175	200	225	250
H	145	185	235	285	335	385	435	485	535
D	142	162	187	212	237	262	287	312	337
K	265	330	410	485	565	645	725	800	880

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

*Radius for Series 2450/2480 available upon request, please consult igus® for delivery time. Note: Before using Series 2400/2450/2480 on long travels, please consult igus®!

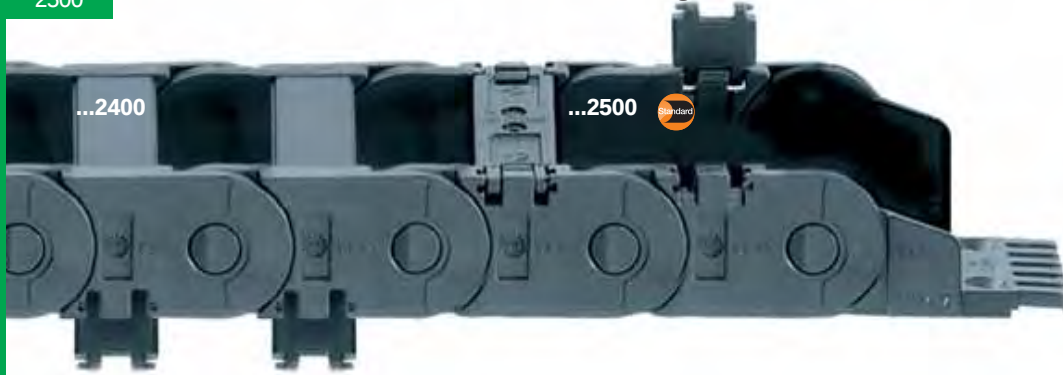


FL_G = with straight upper run
 FL_B = with permitted sag

S = Length of travel
 R = Bending radius

H = Nominal clearance height
 H_F = Required clearance height

D = Overlength e-chain®, radius in final position
 $K = \pi \cdot R + \text{"safety"}$



e-chains® | Series 2400 snap-open along inner radius
e-chains® | Series 2500 snap-open along outer radius | Standard

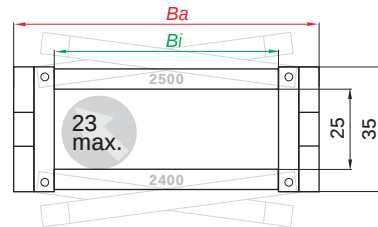
e-chains® snap-open along inner radius	e-chains® snap-open along outer radius	 Bi [mm]	Ba [mm]	R Bending radii [mm]	2400 [kg/m]	2500 [kg/m]
2400. 02 .R.0	2500. 02 .R.0	25	41	055 075 100 125 150 175 200 225 250	≈ 0,77	≈ 0,77
2400. 03 .R.0	2500. 03 .R.0	38	54	055 075 100 125 150 175 200 225 250	≈ 0,83	≈ 0,83
2400. 05 .R.0	2500. 05 .R.0	57	73	055 075 100 125 150 175 200 225 250	≈ 0,91	≈ 0,91
2400. 07 .R.0	2500. 07 .R.0	77	93	055 075 100 125 150 175 200 225 250	≈ 1,01	≈ 1,01
2400. 09 .R.0	2500. 09 .R.0	89	105	055 075 100 125 150 175 200 225 250	≈ 1,08	≈ 1,08
2400. 10 .R.0	2500. 10 .R.0	103	119	055 075 100 125 150 175 200 225 250	≈ 1,15	≈ 1,15
2400. 12 .R.0	2500. 12 .R.0	125	141	055 075 100 125 150 175 200 225 250	≈ 1,22	≈ 1,22

Supplement Part No. with required radius. Example: 2500.03.100.0

Note: Before using Series 2400/2450/2480 on long travels (gliding), please consult igus*!

 Order key
2400. 03. 100. 0 e-chain®
2500. 03. 100. 0 e-chain®

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



 e-chain® links as single parts, overview ► page 409

 Configuration options and order keys, overview ► page 410

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



Half e-tubes | Series 2450 snap-open along inner radius, closed along outer radius
Full e-tubes | Series 2480 snap-open along inner radius, fully enclosed

Half e-tubes snap-open along inner radius	Full e-tubes snap-open along inner radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	2450 [kg/m]	2480 [kg/m]
2450. 02 .R.0	2480. 02 .R.0	25	41	055* 075 100 125 150 175 200 225 250	≈ 0,80	≈ 0,82
2450. 03 .R.0	2480. 03 .R.0	38	54	055* 075 100 125 150 175 200 225 250	≈ 0,88	≈ 0,92
2450. 05 .R.0	2480. 05 .R.0	57	73	055* 075 100 125 150 175 200 225 250	≈ 0,99	≈ 1,03
2450. 07 .R.0	2480. 07 .R.0	77	93	055* 075 100 125 150 175 200 225 250	≈ 1,12	≈ 1,17
2450. 09 .R.0	2480. 09 .R.0	89	105	055* 075 100 125 150 175 200 225 250	≈ 1,20	≈ 1,26
2450. 10 .R.0	2480. 10 .R.0	103	119	055* 075* 100 125 150 175 200 225 250	≈ 1,27	≈ 1,34
2450. 12 .R.0	2480. 12 .R.0	125	141	055* 075 100 125 150 175 200 225 250	≈ 1,35	≈ 1,43

Radius available upon request, please consult igus for delivery time

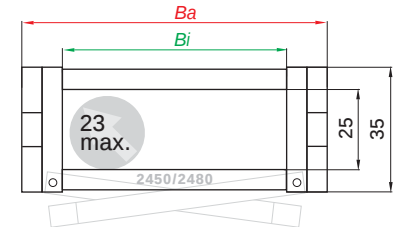
For radii 055 the e-tube is not fully enclosed. Please consult igus*.

Supplement Part No. with required radius. Example: 2450.03.100.0

Note: Before using Series 2400/2450/2480 on long travels (gliding), please consult igus*!

 Order key
2450. 03. 100. 0 Half e-tube
2480. 03. 100. 0 Full e-tube

 Standard color black
Bending radius **R**
Width index
Series / Type



 e-chain® links as single parts, overview ► page 409

 Configuration options and order keys, overview ► page 410

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



Noise dampening | Noise reduction $\approx$ 5 dB(A)

e-chains® snap-open along inner radius	Half e-tubes snap-open along inner radius	Full e-tubes snap-open along inner radius	<i>R</i> Bending radii [mm]	<i>Bi</i> [mm]
S2400.02	S2450.02	S2480.02	<i>R</i> .0	055* 075 100 125 150 175 200 225 250 25
S2400.03	S2450.03	S2480.03	<i>R</i> .0	055* 075 100 125 150 175 200 225 250 38
S2400.05	S2450.05	S2480.05	<i>R</i> .0	055* 075 100 125 150 175 200 225 250 57
S2400.07	S2450.07	S2480.07	<i>R</i> .0	055* 075 100 125 150 175 200 225 250 77
S2400.09	S2450.09	S2480.09	<i>R</i> .0	055* 075 100 125 150 175 200 225 250 89
S2400.10	S2450.10	S2480.10	<i>R</i> .0	055* 075 100 125 150 175 200 225 250 103
S2400.12	S2450.12	S2480.12	<i>R</i> .0	055* 075 100 125 150 175 200 225 250 125

*Radius for series 2450/2480 available upon request, please consult igus® for delivery time

For radii 055 the e-tube is not fully enclosed. Please consult igus®.

Supplement Part No. with required radius. Example: S2400.03.100.0

Note: Before using Series 2400/2450/2480 on long travels (gliding), please consult igus®!



Configuration options and order keys, overview ► page 410



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

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



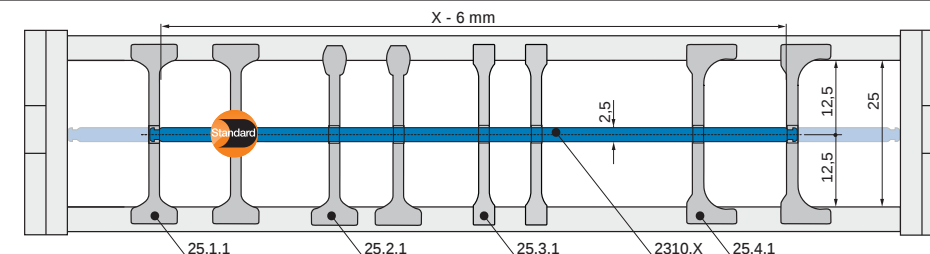
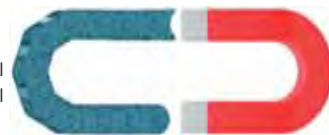
ESD/ATEX permanently conductive e-chains® - 2500 several widths with delivery from stock:

Inner widths *Bi* 25 - 125, radii *R* 055 - 175. Full ESD product range ► www.igus.eu/ESD

Magnetically detectable plastic e-chains®

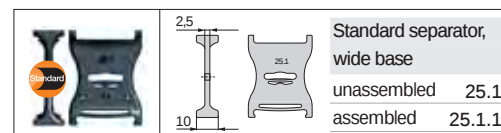
For the food- and tobacco industry | **New** in this catalog

● The material igumid DT is detected to the tiniest fragment all common metal detection systems and can therefore be selected automatically ● Particles as small as 1.0 mm can be recognized for fragments passing at speeds of 20 m/min
More information ► www.igus.eu/eu/detectable-chain



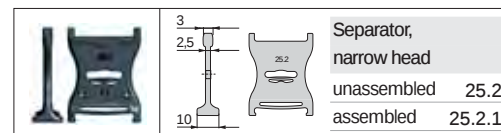
In the standard configuration separators are assembled every 2nd e-chain® link

Note: Only suitable for e-chain® Series 2400/2500! Interior separation for e-tubes ► see next page



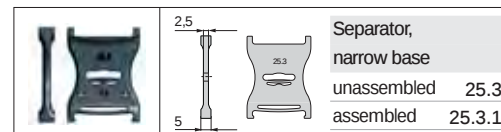
Standard - for all applications

Separator with a wide base for maximum locking strength and safe standing in e-chains®.



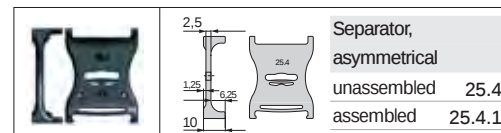
For even faster installation

Firm hold to one side with a wide base, narrow on opposed side for easy cable assembly (slight grip).



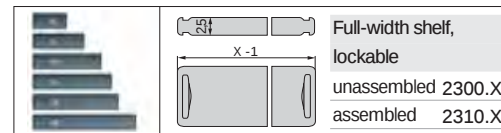
For many thin cables

Separator with a narrow base for a large number of thin cables side by side. Saves space in e-chains®.



For side-mounted applications

Asymmetrical separator, for defined distance.
No additional spacers necessary.



Horizontal separation

Full-width shelf locks safely into separators on both ends, fixed width possible. Separators can be moved freely over the shelf in horizontal direction. Can be used at one height.

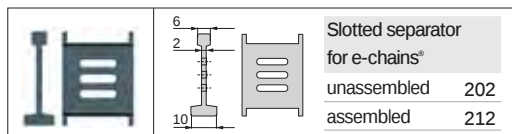
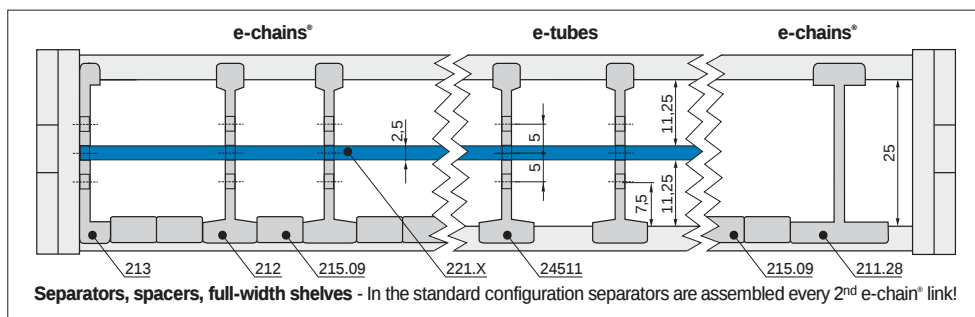


Lockable full-width shelves - for the standard interior separation

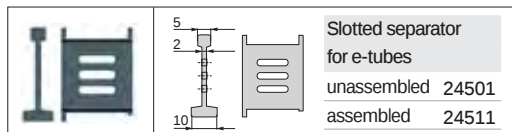
Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
015	2300.015	2310.015	060	2300.060	2310.060	087	2300.087	2310.087
025	2300.025	2310.025	062	2300.062	2310.062	090	2300.090	2310.090
030	2300.030	2310.030	065	2300.065	2310.065	100	2300.100	2310.100
038	2300.038	2310.038	070	2300.070	2310.070	103	2300.103	2310.103
040	2300.040	2310.040	075	2300.075	2310.075	110	2300.110	2310.110
050	2300.050	2310.050	077	2300.077	2310.077	120	2300.120	2310.120
057	2300.057	2310.057	080	2300.080	2310.080	125	2300.125	2310.125

2400·2450·2480·2500 | Interior separation | Options

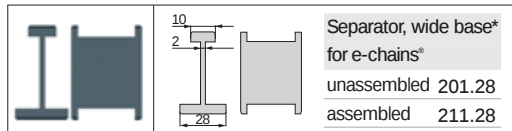
Previous interior separation - for e-chains® and e-tubes

**Slotted separator 202 (e-chains® only)**

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

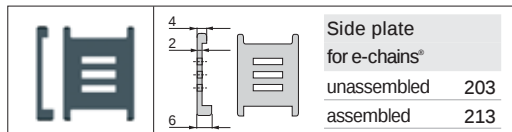
**Slotted separator 24501 (e-tubes only)**

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

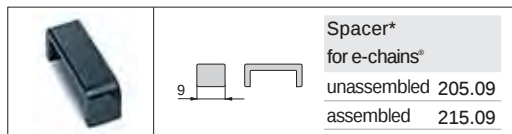
**Separator, wide base* 201.28 (e-chains® only)**

If a wide space between the separators has to be kept or separators have to be fixed in their position.

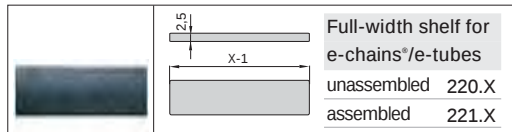
(*for side-mounted applications)

**Side plate 203 (e-chains® only)**

Side plate for use with full-width shelf 220.X and slotted separator 202.

**Spacer* 205.09 (e-chains® only)**

Separators can be fixed in position. Only mountable onto the fixed crossbar. (*for side-mounted applications)

**Full-width shelf 220.X (e-chains® and e-tubes)**

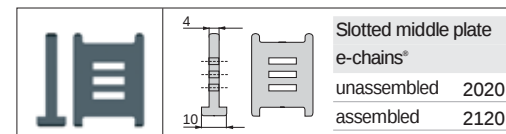
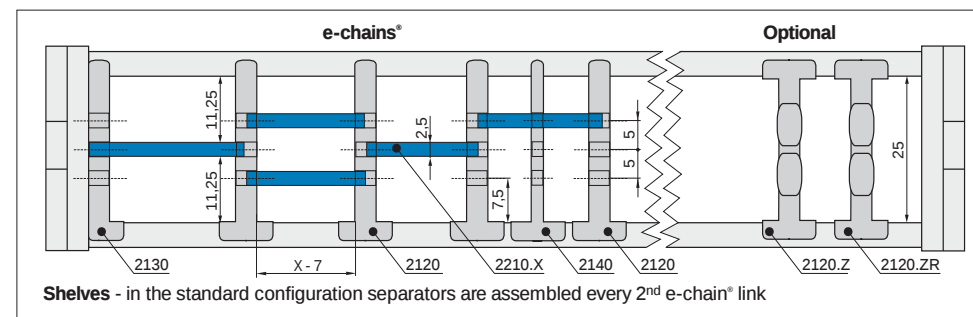
This option makes sense in applications with many thin cables with similar diameters. For a consequent subdivision. Full-width shelves can be arranged at 3 different heights (in 5 mm increments).

Full-width shelves

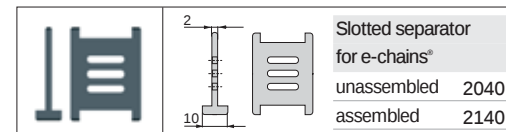
Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
025	220.25	221.25	077	220.77	221.77	125	220.125	221.125
038	220.38	221.38	090	220.90	221.90			
057	220.57	221.57	103	220.103	221.103			

2400·2450·2480·2500 | Interior separation | Options

Previous interior separation - for e-chains® and e-tubes

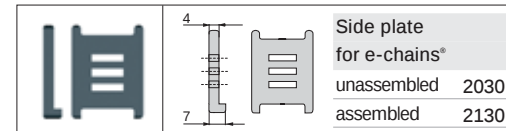
**Middle plate 2020 (e-chains® only)**

To achieve a modular shelving by shelf 2200.X arranged at 3 different heights (in 5 mm increments)

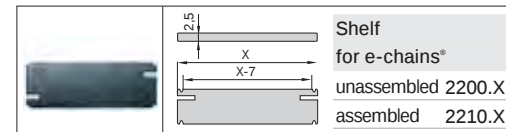
**Slotted separator 2040 (e-chains® only)**

For a very fine subdivision.

No snap-in option for shelves, freely movable.

**Side plate 2030 (e-chains® only)**

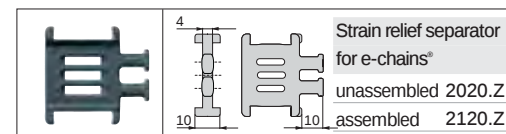
Side plate for use with middle plate 2020, slotted separator 2040 and shelf 2200.X.

**Shelf 2200 (e-chains® only)**

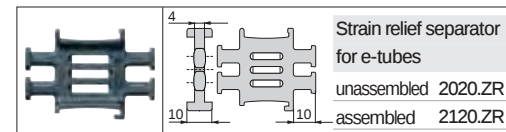
For applications involving many cables with different diameters, shelves can be arranged at alternate heights. They can be arranged at 3 different heights (in 5 mm increments).

Shelves

Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
018	2200.18	2210.18	038	2200.38	2210.38	068	2200.68	2210.68
023	2200.23	2210.23	043	2200.43	2210.43	073	2200.73	2210.73
028	2200.28	2210.28	048	2200.48	2210.48	088	2200.88	2210.88
033	2200.33	2210.33	058	2200.58	2210.58	099	2200.99	2210.99

**Additional elements for interior separation****Strain relief separator 2020.Z (e-chains® only)**

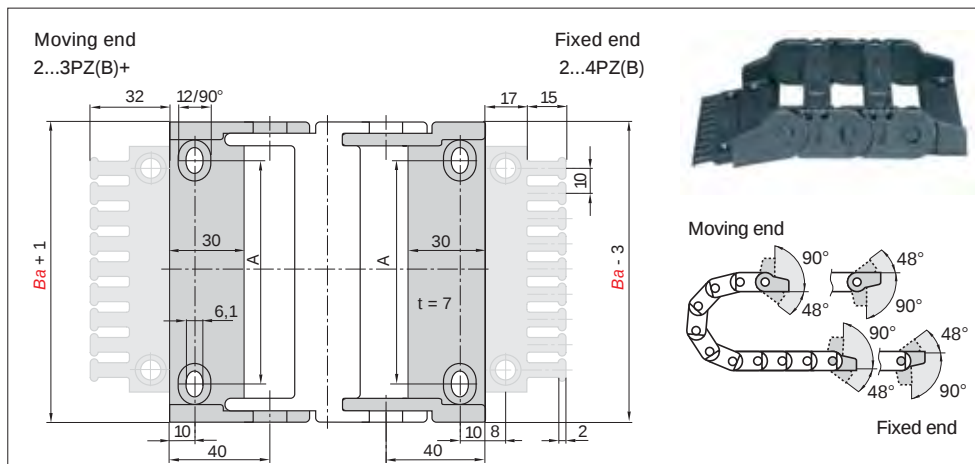
Can be integrated into the mounting bracket and can be placed there at any point. It combines strain relief and interior separation.

**Strain relief separator 2020.ZR (e-tubes only)**

Can be integrated into the mounting bracket and can be placed there at any point. It combines strain relief and interior separation.

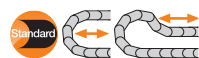
2400·2450·2480·2500 | Mounting brackets pivoting

For tight installation conditions



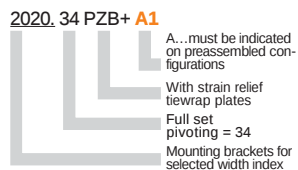
Polymer pivoting | Standard - Universal for e-chains® and e-tubes
Recommended for unsupported and gliding applications

For width index	Part No. full set with tiewrap plate	Full set with tiewrap plate + 10 cable tiewraps	Part No. full set without tiewrap plate	Dim. A [mm]	Number of teeth
.02. ▶	2020.34PZB+	2020.34PZBK1+	2020.34PZ+	12	3
.03. ▶	2030.34PZB+	2030.34PZBK1+	2030.34PZ+	25	4
.05. ▶	2050.34PZB+	2050.34PZBK1+	2050.34PZ+	44	6
.07. ▶	2070.34PZB+	2070.34PZBK1+	2070.34PZ+	64	8
.09. ▶	2090.34PZB+	2090.34PZBK1+	2090.34PZ+	77	9
.10. ▶	2100.34PZB+	2100.34PZBK1+	2100.34PZ+	90	10
.12. ▶	2125.34PZB+	2125.34PZBK1+	2125.34PZ+	112	12

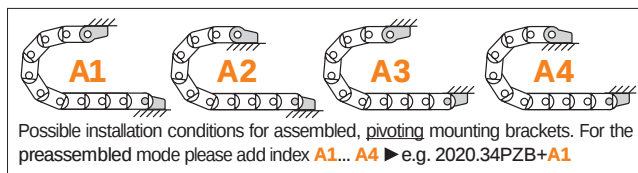


- Standard
- For tight installation conditions
- Strain relief with detachable chainfix tiewrap plates
- Corrosion resistant
- Variable traverse angle
- Various installation options on the fixed end and/or the moving end

Part No. structure (pivoting)



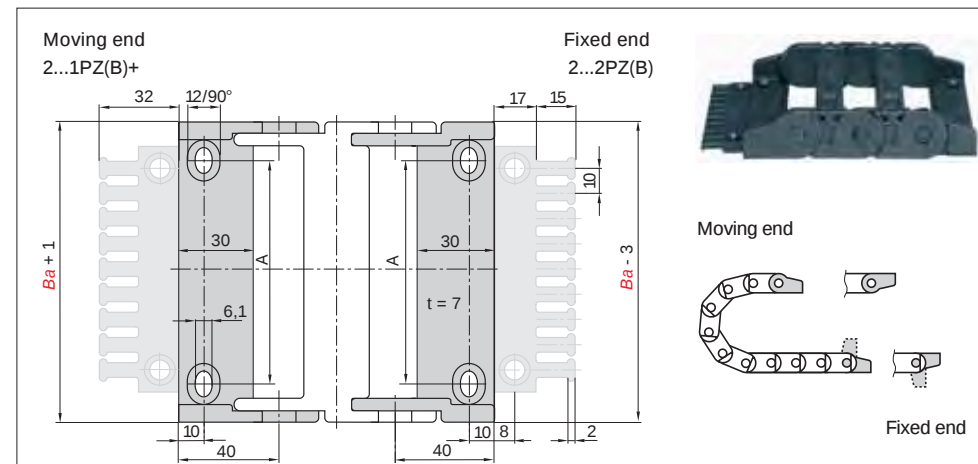
Single-part order
Mounting bracket Moving end
2020. 3 PZB+ A1 (preassembled + tiewrap plate)
Mounting bracket Fixed end
2020. 4 PZB A1 (preassembled + tiewrap plate)



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 1148

2400·2450·2480·2500 | Mounting brackets locking

For very high speed and acceleration



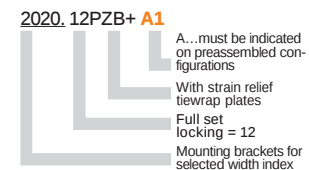
Polymer locking | Universal for e-chains® and e-tubes
Recommended for vertical hanging and standing applications

For width index	Part No. full set with tiewrap plate	Full set with tiewrap plate + 10 cable tiewraps	Part No. full set without tiewrap plate	Dim. A [mm]	Number of teeth
.02. ▶	2020.12PZB+	2020.12PZBK1+	2020.12PZ+	12	3
.03. ▶	2030.12PZB+	2030.12PZBK1+	2030.12PZ+	25	4
.05. ▶	2050.12PZB+	2050.12PZBK1+	2050.12PZ+	44	6
.07. ▶	2070.12PZB+	2070.12PZBK1+	2070.12PZ+	64	8
.09. ▶	2090.12PZB+	2090.12PZBK1+	2090.12PZ+	77	9
.10. ▶	2100.12PZB+	2100.12PZBK1+	2100.12PZ+	90	10
.12. ▶	2125.12PZB+	2125.12PZBK1+	2125.12PZ+	112	12

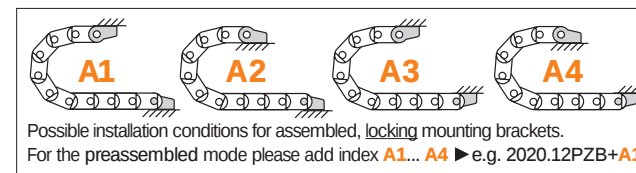


- Locked connections
- At very high speed and/or acceleration
- If space is limited for height (the H_F measurement)
- Various installation options on the fixed end and/or the moving end

Part No. structure (locking)

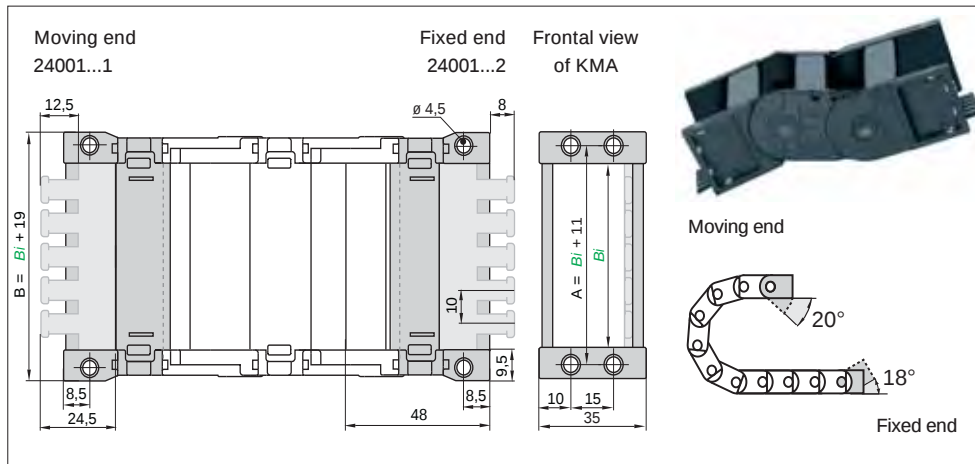


Single-part order
Mounting bracket Moving end
2020. 1PZB+ A1 (preassembled + tiewrap plate)
Mounting bracket Fixed end
2020. 2PZB A1 (preassembled + tiewrap plate)



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 1148

For tight installation conditions, all-sides attachment



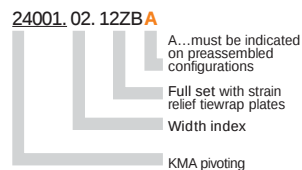
KMA pivoting | All-sides attachment - Universal for e-chains® (Series 2400-2500)
Recommended for unsupported and gliding applications

For width index	Part No. full set with tiewrap plate	Part No. full set without tiewrap plate	Dim. A [mm]	Dim. B [mm]	Number of teeth
.02. ▶	24001.02.12ZB	24001.02.12	36	44	2
.03. ▶	24001.03.12ZB	24001.03.12	49	57	4
.05. ▶	24001.05.12ZB	24001.05.12	68	76	6
.07. ▶	24001.07.12ZB	24001.07.12	88	96	7
.09. ▶	24001.09.12ZB	24001.09.12	100	108	9
.10. ▶	24001.10.12ZB	24001.10.12	114	122	10
.12. ▶	24001.12.12ZB	24001.12.12	136	144	12



- Bolted connection outside of chain cross-section possible
- For tight installation conditions
- Universally mountable with attachment capability on all sides
- Pluggable strain relief tiewrap plate, adjustable to 3 heights
- Option: threaded sockets upon request (KMA = Polymer Metal Mounting Bracket)

Part No. structure (pivoting) - e-chain®



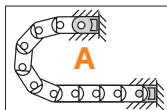
Single-part order

Mounting bracket Moving end

24001.02. 1ZB A (preassembled + tiewrap plate)

Mounting bracket Fixed end

24001.02. 2ZB A (preassembled + tiewrap plate)

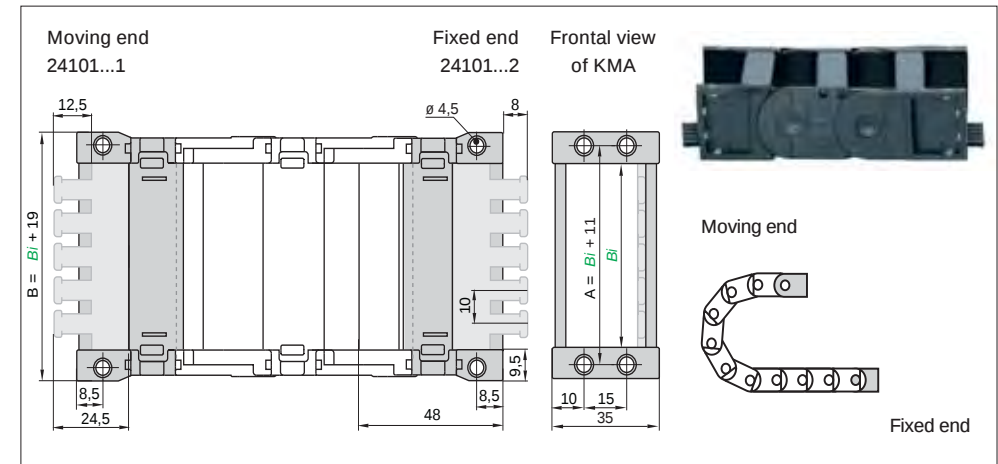


These attachment types are triggered automatically in the choice of the KMA mounting bracket. For the preassembled mode please add index **A** ▶ e.g. 24001. 02. 12ZB **A**



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 1148

For very high speed and acceleration, all-sides attachment



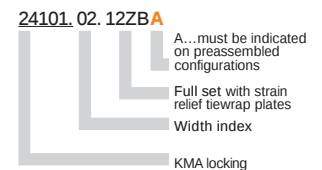
KMA locking | All-sides attachment - Universal for e-chains® (Series 2400-2500)
Recommended for vertical hanging and standing applications

For width index	Part No. full set with tiewrap plate	Part No. full set without tiewrap plate	Dim. A [mm]	Dim. B [mm]	Number of teeth
.02. ▶	24101.02.12ZB	24101.02.12	36	44	2
.03. ▶	24101.03.12ZB	24101.03.12	49	57	4
.05. ▶	24101.05.12ZB	24101.05.12	68	76	6
.07. ▶	24101.07.12ZB	24101.07.12	88	96	7
.09. ▶	24101.09.12ZB	24101.09.12	100	108	9
.10. ▶	24101.10.12ZB	24101.10.12	114	122	10
.12. ▶	24101.12.12ZB	24101.12.12	136	144	12



- Bolted connection outside of chain cross-section possible
- At very high speed and/or acceleration
- Universally mountable
- Pluggable strain relief tiewrap plate, adjustable to 3 heights
- Option: threaded sockets upon request (KMA = Polymer Metal Mounting Bracket)

Part No. structure (locking) - e-chain®



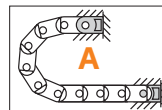
Single-part order

Mounting bracket Moving end

24101.02. 1ZB A (preassembled + tiewrap plate)

Mounting bracket Fixed end

24101.02. 2ZB A (preassembled + tiewrap plate)

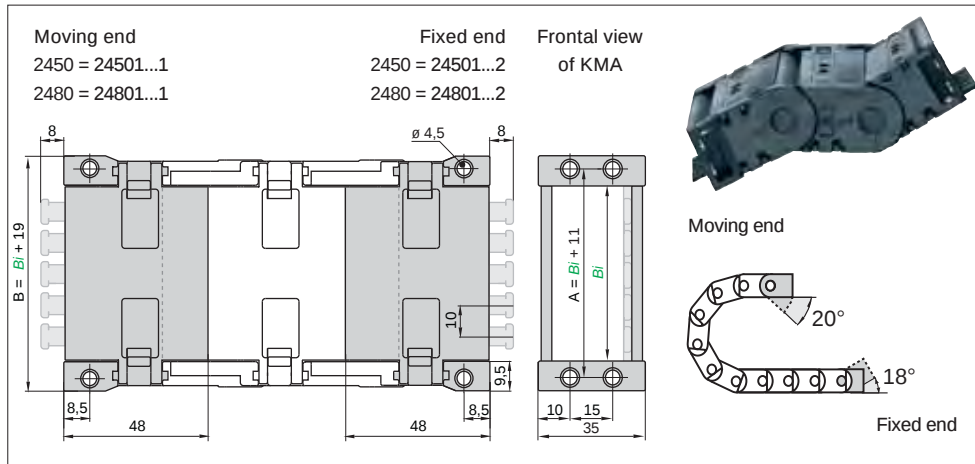


These attachment types are triggered automatically in the choice of the KMA mounting bracket. For the preassembled mode please add index **A** ▶ e.g. 24101. 02. 12ZB **A**



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 1148

For tight installation conditions, all-sides attachment



KMA pivoting | All-sides attachment - Universal for e-chains® (Series 2450-2480)
Recommended for unsupported and gliding applications

For width index	Part No. full set with tiewrap plate	Part No. full set without tiewrap plate	Dim. A [mm]	Dim. B [mm]	Number of teeth
.02.	▶ 24501 24801 .02.12ZB	24501 24801 .02.12	36	44	2
.03.	▶ 24501 24801 .03.12ZB	24501 24801 .03.12	49	57	4
.05.	▶ 24501 24801 .05.12ZB	24501 24801 .05.12	68	76	6
.07.	▶ 24501 24801 .07.12ZB	24501 24801 .07.12	88	96	7
.09.	▶ 24501 24801 .09.12ZB	24501 24801 .09.12	100	108	9
.10.	▶ 24501 24801 .10.12ZB	24501 24801 .10.12	114	122	10
.12.	▶ 24501 24801 .12.12ZB	24501 24801 .12.12	136	144	12

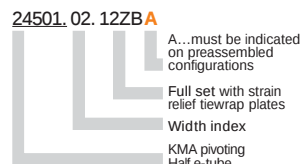


KMA pivoting Part No. 24501... for half e-tube Series 2450
KMA pivoting Part No. 24801... for full e-tube Series 2480



- Bolted connection outside of chain cross-section possible
- For tight installation conditions
- Universally mountable with attachment capability on all sides
- Pluggable strain relief tiewrap plate, adjustable to 3 heights
- Option: threaded sockets upon request (KMA = Polymer Metal Mounting Bracket)

Part No. structure (pivoting) - e-tube



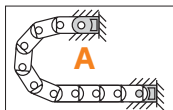
Single-part order

Mounting bracket Moving end

24501.02. 1ZB A (preassembled + tiewrap plate)

Mounting bracket Fixed end

24501.02. 2ZB A (preassembled + tiewrap plate)

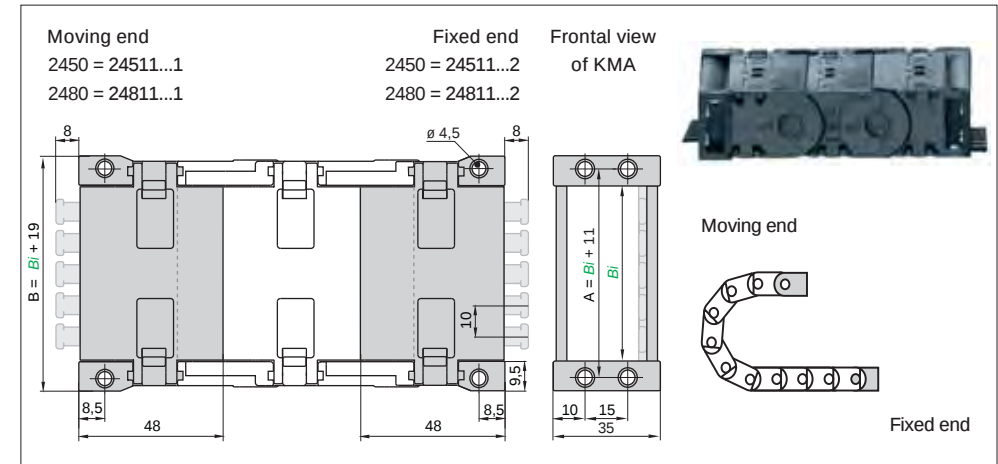


These attachment types are triggered automatically in the choice of the KMA mounting bracket. For the preassembled mode please add index A ▶ e.g. 24501. 02. 12ZB A



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 1148

For very high speed and acceleration, all-sides attachment



KMA locking | All-sides attachment - Universal for e-chains® (Series 2450-2480)
Recommended for vertical hanging and standing applications

For width index	Part No. full set with tiewrap plate	Part No. full set without tiewrap plate	Dim. A [mm]	Dim. B [mm]	Number of teeth
.02.	▶ 24511 24811 .02.12ZB	24511 24811 .02.12	36	44	2
.03.	▶ 24511 24811 .03.12ZB	24511 24811 .03.12	49	57	4
.05.	▶ 24511 24811 .05.12ZB	24511 24811 .05.12	68	76	6
.07.	▶ 24511 24811 .07.12ZB	24511 24811 .07.12	88	96	7
.09.	▶ 24511 24811 .09.12ZB	24511 24811 .09.12	100	108	9
.10.	▶ 24511 24811 .10.12ZB	24511 24811 .10.12	114	122	10
.12.	▶ 24511 24811 .12.12ZB	24511 24811 .12.12	136	144	12

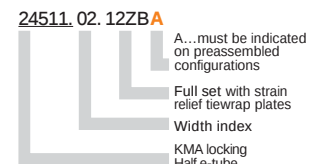


KMA locking Part No. 24511... for half e-tube Series 2450
KMA locking Part No. 24811... for full e-tube Series 2480



- Bolted connection outside of chain cross-section possible
- At very high speed and/or acceleration
- Universally mountable
- Pluggable strain relief tiewrap plate, adjustable to 3 heights
- Option: threaded sockets upon request (KMA = Polymer Metal Mounting Bracket)

Part No. structure (locking) - e-tube



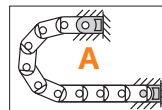
Single-part order

Mounting bracket Moving end

24511.02. 1ZB A (preassembled + tiewrap plate)

Mounting bracket Fixed end

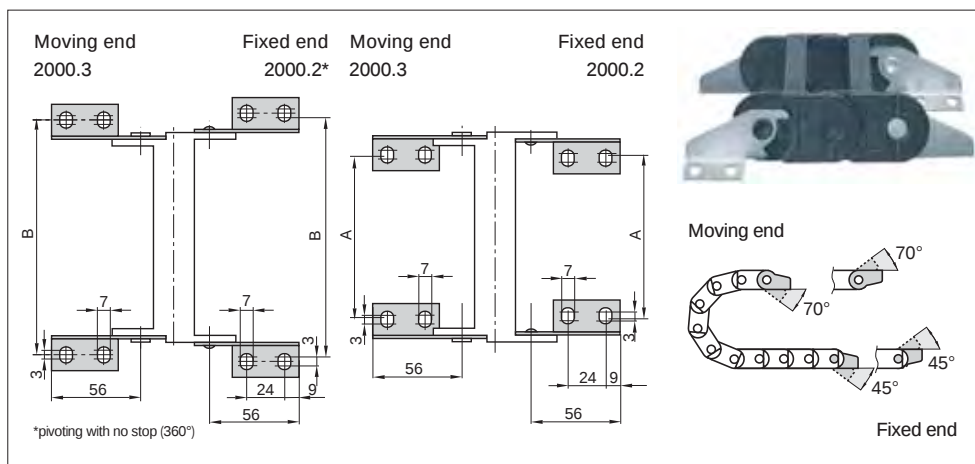
24511.02. 2ZB A (preassembled + tiewrap plate)



These attachment types are triggered automatically in the choice of the KMA mounting bracket. For the preassembled mode please add index A ▶ e.g. 24511. 02. 12ZB A



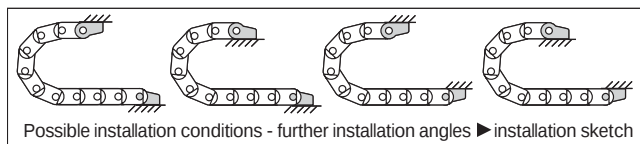
Strain relief e.g. clamps, tiewrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 1148

**Steel pivoting | For e-chains® and e-tubes**

Recommended for unsupported, vertical hanging and standing applications

For width index	Part No. full set	Part No. full set stainless steel**	Dim. A [mm]	Dim. B [mm]
.02. ▶	2000.32	2000.32.E	—	60
.03. ▶	2000.32	2000.32.E	25	73
.05. ▶	2000.32	2000.32.E	44	92
.07. ▶	2000.32	2000.32.E	64	112
.09. ▶	2000.32	2000.32.E	76	124
.10. ▶	2000.32	2000.32.E	90	138
.12. ▶	2000.32	2000.32.E	112	160

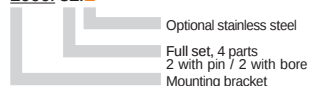
Note: By ordering steel mounting brackets in combination with an e-chain® / e-tube, they will be delivered assembled!



- Pivoting connections
- One part (2-piece) for all e-chain® widths
- Electrically conductive
- Bolted connection outside of chain cross-section possible
- Stainless steel version available (**Material: stainless steel 1.4301 / AISI 304)

Part no. structure

2000.32.E



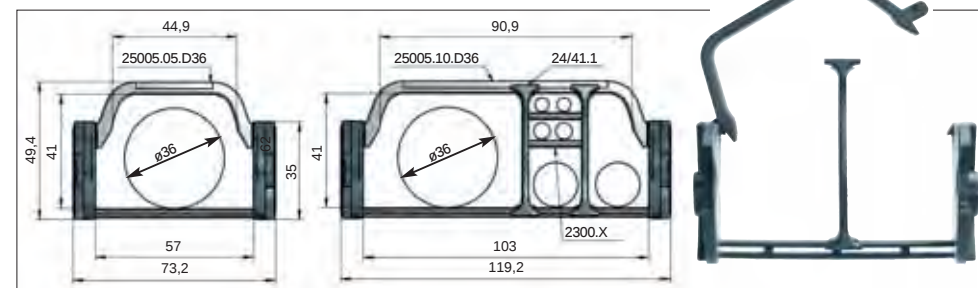
Single-part order

Mounting bracket Moving end

2000.3 (1 part left / right)

Mounting bracket Fixed end

2000.2 (1 part left / right)

**Extender crossbars Series 2400-2500-2450 - Enormous increase of the interior for the smooth guiding of larger hoses**

- Suitable for hoses with an outer diameter of max. 36 mm
- Optionally openable along the inner or outer radius, swivelling
- Modular interior separation Part No. 25/41.1 (not for Series 2450)
- Cable-friendly design of extender crossbar and interior separation
- High holding force of the extender crossbar

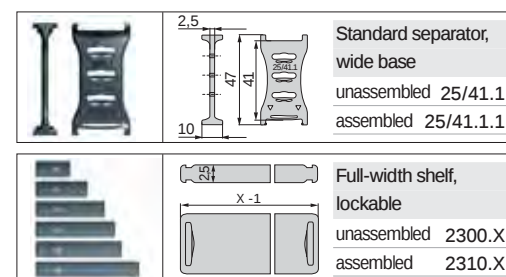


Order example
e-chain® with extender crossbar
snap-open along outer radius,
Bi 57 mm, R 100 mm:
Part No. 2500.05D36.100.0

Extender crossbars for e-chains® snap-open along inner radius	Extender crossbars for e-chains® snap-open along outer radius	Extender crossbars for half e-tubes snap-open along inner radius	Bi [mm]	Ba [mm]	R Bending radii [mm]
2400.05D36.R.0	2500.05D36.R.0	2450.05D36.R.0	57	73	055* 075 100 125 150 175 200 225 250
2400.10D36.R.0	2500.10D36.R.0	2450.10D36.R.0	103	119	055* 075 100 125 150 175 200 225 250

*Radius 055 only possible with e-chains® Series 2500 !

Supplement Part No. with required radius. Example: 2500.05D36.100.0

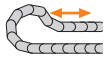
Series 2400-2500 | Interior separation for extender crossbars (not for Series 2450)**Standard separator, wide base**For maximum locking strength and safe standing. In standard configuration separators are assembled every 2nd link!**Horizontal separation**

Full-width shelf locks safely into separators on both ends, fixed width possible. Separators can be moved freely over the shelf in horizontal direction. Can be arranged at 3 different heights. Product range ▶ page 431

Note: Only suitable for e-chain® Series 2400/2500!**Optional: Support tray tool kit.****For support of the lower run.**

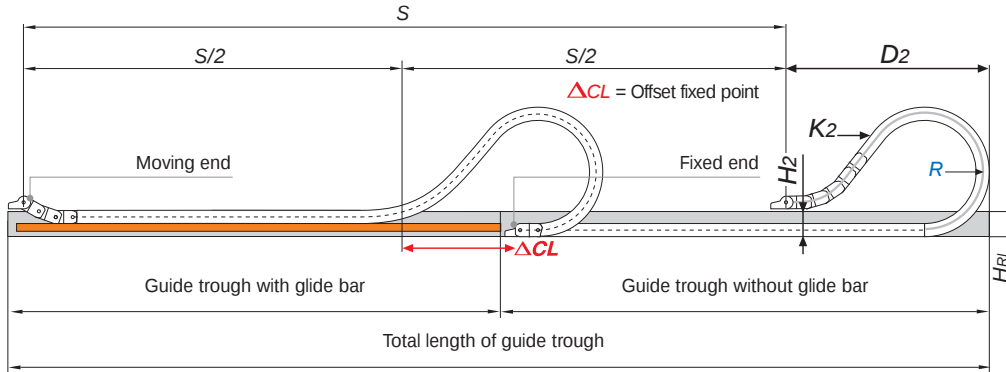
Simple one-piece support trays according to your requirements and specification.
Order example - support tray with bracket, length 1,0 m, color black: Part No. S9.011.05.1000.0 The complete range with order options ▶ from page 1258





Gliding applications | For long travels from 10 m to max. 100 m

Solution for long travel applications - In this case the e-chain® upper run will be introduced in a guide trough on the lower run. We recommend to realize the engineering of such a plant by our technicians. **Please note:** For using Series 2400/2450/2480 for long travels (gliding), please consult igus® first. For long travels, igus® specifies Series 2500 that snaps open along the outer radius. In case of travels between 4 and 10 m we recommend a longer unsupported length. More information ► Design, from page 106



$$\text{Pitch} = 46 \text{ mm/link} \cdot \text{Links/m} = 22 (1012 \text{ mm}) \cdot \text{Chain length} = S/2 + K_2$$

R	055*	075	100	125	150	175	200	225	250
H ₂	110	150	100	100	100	100	100	100	100
D ₂ ⁺²⁵	142	162	380	440	590	755	950	1040	1130
K ₂	265	330	644	736	1012	1242	1472	1610	1794
ΔCL	—	—	204	244	364	504	674	754	804

*Radius for Series 2450/2480 available upon request, please consult igus® for delivery time. **Note:** Before using Series 2400/2450/2480 on long travels, please consult igus®

More solutions | For long travel applications

autoglide 2400.*Bi*.AG.*R* - self-guiding, no guide troughs - Travel lengths ≤ 50 m v_{max} 1,5 m/s
Self-guiding e-chainsystems® - no need for guide troughs

guidelok slimline F - Safe vertical guidance for e-chains® - Travels up to 50 m height v_{max} 7 m/s

For hanging applications e.g. high-speed rack feeders up to 7 m/s and 10 m/s². No swinging of the e-chain®, high reliability through lever mechanism and guiding rails. Energy and data and all kinds of media in one single system



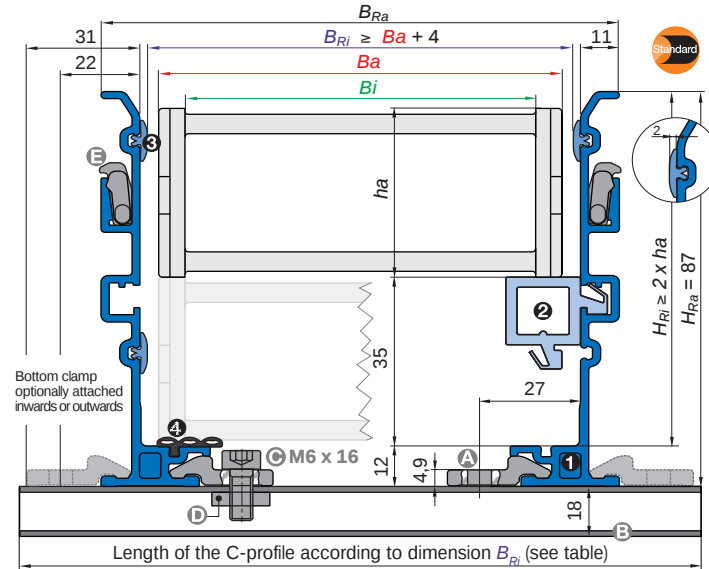
e-chains® for long travels: E4/4HD, P4, autoglide, rol e-chain® ► from page 1264
Special solutions for long travel applications ► from page 1348



H₂ = Mounting height (if the moving end is set lower) K₂ = Further add-on (if the moving end is set lower) ΔCL = Offset fixed point S = Length of travel
D₂ = Over length - long travels, gliding R = Bending radius H_{Ri} = Inner trough height S/2 = Half length of travel

Aluminum SuperTrough | Basic Version

Part No. 971.30 | 971.31 | Trough height: 87 mm



● 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) ④ Optional: Silencer profile, rubber ● Components, installation set "Basic": ① Bottom clamp, aluminum ② C-profile, galvanized steel ► table ③ Screw M6 x 16 ④ Sliding nut M6 ⑤ Interface connector, plastic



Order example: Length of travel 30 m -

Center mounted for Series 2500.*05*.200.0 with B_{Ri} = 77

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.** 971.30.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.** 971.31.SL

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

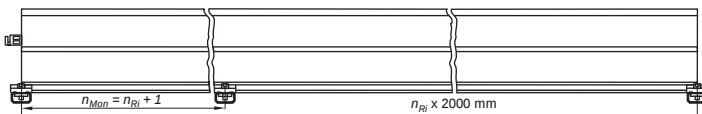
Order text: 17 installation sets **Part No.** 960.30.*125*

Module for the fixed end

Order text: 1 set **Part No.** 971.80

Option: For an additional noise dampening

with silencer profile, please add Index A - Example: **Part No.** 971.30.SLA



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



Aluminum SuperTrough "Basic" in detail and the "Heavy-Duty" version for heavy machinery ► from page 1194

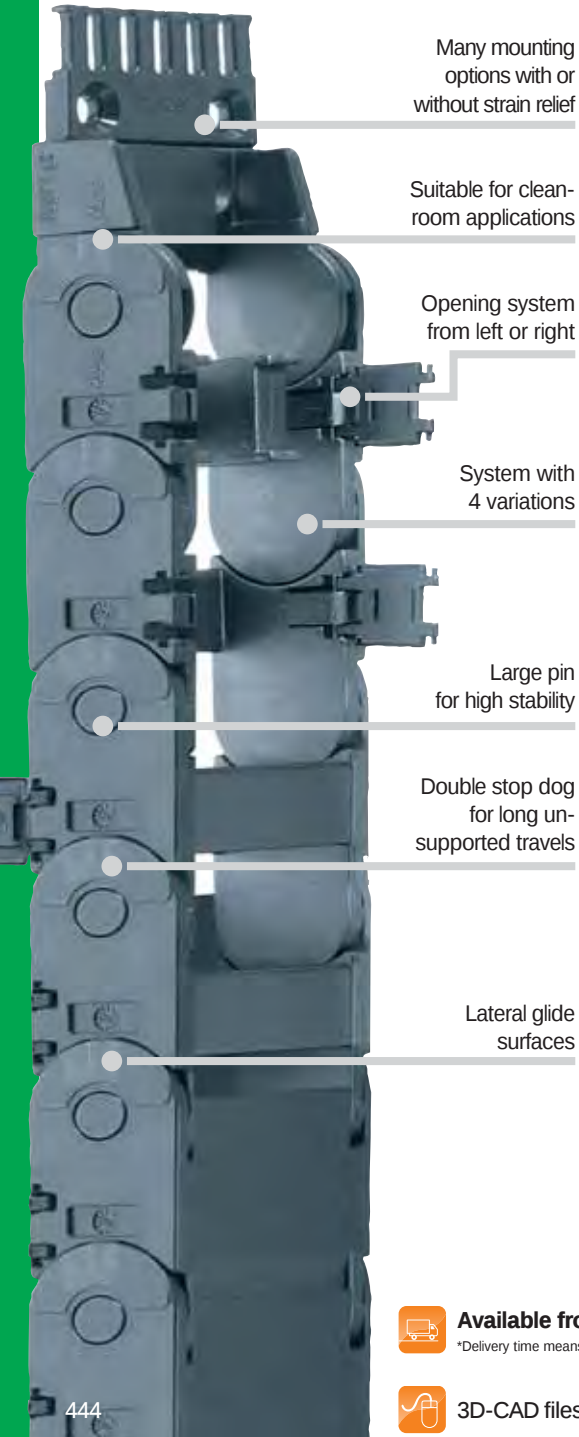


● Trough set ● C-Profile B_{Ri} = Inner trough width H_{Ra} = Outer trough height
● Installation set ● Ba = Outer width e-chains® n_{inst} = Number of installation sets
● Glide bar ● Bi = Inner width e-chains® B_{Ra} = Outer trough width n_{tr} = Number of trough sets
H_{Ri} = Inner trough height

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
.02	45	upon request	960.30. <i>150</i>
.03	58	upon request	960.30. <i>150</i>
.05	77	960.30. <i>125</i>	960.30. <i>175</i>
.07	97	960.30. <i>150</i>	960.30. <i>200</i>
.09	109	960.30. <i>175</i>	960.30. <i>225</i>
.10	123	960.30. <i>175</i>	960.30. <i>225</i>
.12	145	960.30. <i>200</i>	960.30. <i>250</i>



Many mounting options with or without strain relief

Suitable for clean-room applications

Opening system from left or right

System with 4 variations

Large pin for high stability

Double stop dog for long unsupported travels

Lateral glide surfaces

+ Optimal height, high stability

When to use Series 2600-2650-2680-2700:

- If a medium-sized, stable system with an inner height of 35 mm is required (e-chains®, half and full e-tubes)
- If inner widths up to 175 mm are required
- For unsupported lengths up to 2,70 m and fill weights up to 8,0 kg/m
- For long travels up to 120 m
- If an optimized system for quick opening of crossbars from left or right is required

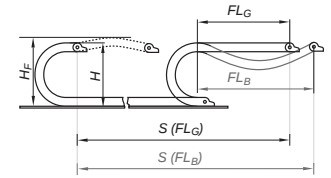
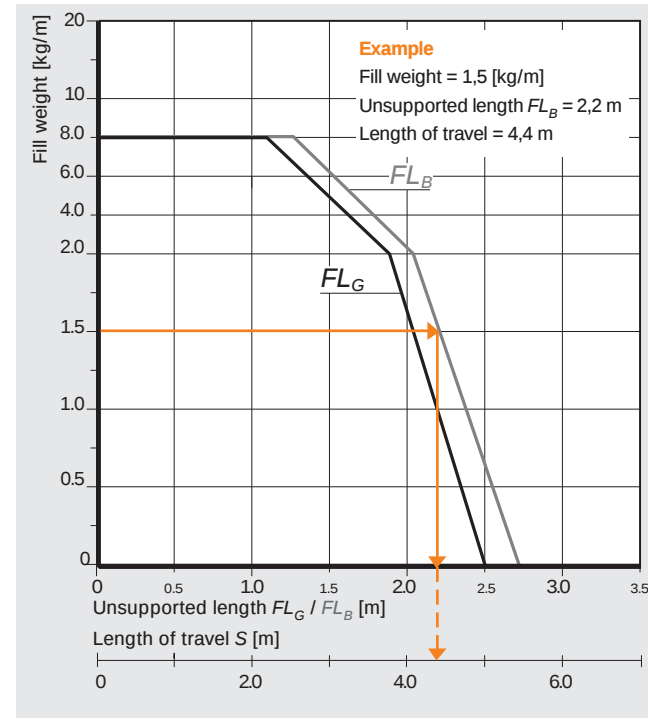


When to use a different igus® Series:

- If more stability is required
► System E4.1, Series E4.32, page 646
- For simple applications and easy filling
► easy chain®, Series E26, page 194
- If e-tubes with smaller bending radii are required
► e-tubes E2, Series R58, page 550



Open E2/000 e-chains® in a flash with the **e-chain® opener** ► page 405

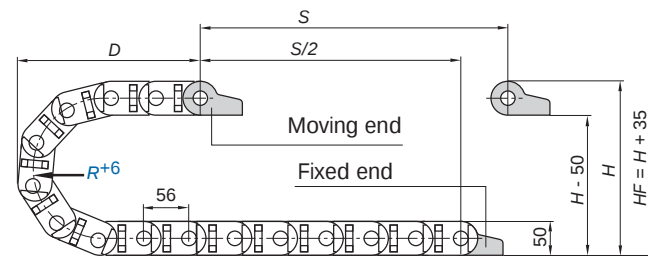


Standard Unsupported applications

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

Gliding applications

Long travels up to 120 m.
More information ► page 460



Technical Data

Speed, material, temperature and flammability class ► page 408

Pitch = 56 mm/link
Links/m = 18 (1008 mm)
Chain length = $\frac{S}{2} + K$

R	063*	075*	100	125	150	175	200	250
H	176	200	250	300	350	400	450	550
D	172	184	209	234	259	284	309	359
K	310	350	430	505	585	665	745	900

The required clearance height: $H_F = H + 35$ mm (with 2,0 kg/m fill weight)

*Radius for Series 2650/2680 available upon request, please consult igus® for delivery time. Note: Before using Series 2600/2650/2680 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
 $K = \pi \cdot R + \text{"safety"}$

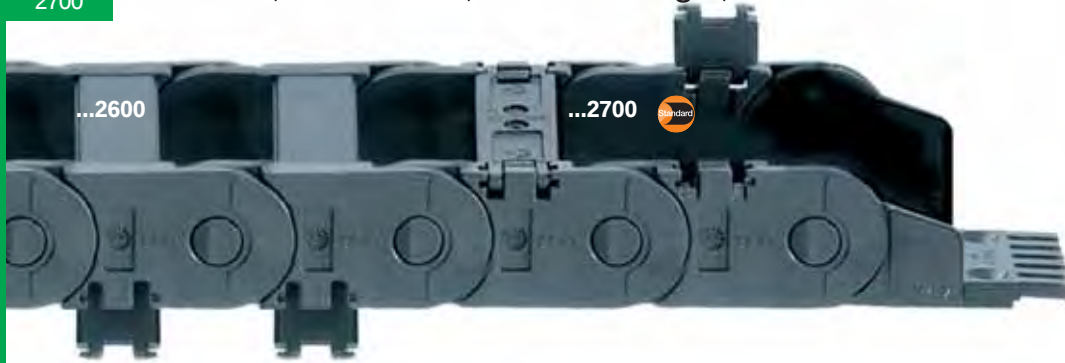


Available from stock. Delivery time* in 24h or today!

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



3D-CAD files, configurators, PDF ► www.igus.eu/eu/E2000



e-chains® | Series 2600 snap-open along inner radius
e-chains® | Series 2700 snap-open along outer radius | Standard

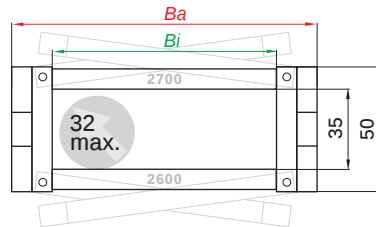
e-chains® snap-open along inner radius	e-chains® snap-open along outer radius	 Bi [mm]	Ba [mm]	R Bending radii [mm]	2600 [kg/m]	2700 [kg/m]
2600. 05 .R.0	2700. 05 .R.0	50	66	063 075 100 125 150 175 200 250	~ 1,17	~ 1,17
2600. 06 .R.0	2700. 06 .R.0	65	81	063 075 100 125 150 175 200 250	~ 1,24	~ 1,24
2600. 07 .R.0	2700. 07 .R.0	75	91	063 075 100 125 150 175 200 250	~ 1,30	~ 1,30
2600. 09 .R.0	2700. 09 .R.0	90	106	063 075 100 125 150 175 200 250	~ 1,37	~ 1,37
2600. 10 .R.0	2700. 10 .R.0	100	116	063 075 100 125 150 175 200 250	~ 1,39	~ 1,39
2600. 12 .R.0	2700. 12 .R.0	125	141	063 075 100 125 150 175 200 250	~ 1,48	~ 1,48
2600. 15 .R.0	2700. 15 .R.0	150	166	063 075 100 125 150 175 200 250	~ 1,62	~ 1,62
2600. 17 .R.0	2700. 17 .R.0	175	194	063 075 100 125 150 175 200 250	~ 1,85	~ 1,85

Supplement Part No. with required radius. Example: 2700.05.100.0

Note: Before using Series 2600/2650/2680 on long travels (gliding), please consult igus®!

 Order key
2600. 05. 100. 0 e-chain®
2700. 05. 100. 0 e-chain®

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



 e-chain® links as single parts, overview ► page 409

 Configuration options and order keys, overview ► page 410

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

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



Half e-tubes | Series 2650 snap-open along inner radius, closed along outer radius
Full e-tubes | Series 2680 snap-open along inner radius, fully enclosed

Half e-tubes snap-open along inner radius	Full e-tubes snap-open along inner radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	2650 [kg/m]	2680 [kg/m]
2650. 05 .R.0	2680. 05 .R.0	50	66	063* 075* 100 125 150 175 200 250	~ 1,25	~ 1,33
2650. 06 .R.0	2680. 06 .R.0	65	81	063* 075* 100 125 150 175 200 250	~ 1,36	~ 1,43
2650. 07 .R.0	2680. 07 .R.0	75	91	063* 075* 100 125 150 175 200 250	~ 1,40	~ 1,51
2650. 09 .R.0	2680. 09 .R.0	90	106	063* 075* 100 125 150 175 200 250	~ 1,55	~ 1,62
2650. 10 .R.0	2680. 10 .R.0	100	116	063* 075* 100 125 150 175 200 250	~ 1,61	~ 1,81
2650. 12 .R.0	2680. 12 .R.0	125	141	063* 075* 100 125 150 175 200 250	~ 1,70	~ 1,99
2650. 15 .R.0	2680. 15 .R.0	150	166	063* 075* 100 125 150 175 200 250	~ 1,80	~ 2,17
2650. 17 .R.0	2680. 17 .R.0	175	194	063* 075* 100 125 150 175 200 250	~ 2,00	~ 2,35

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

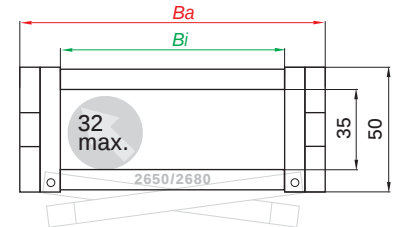
For radii 063, 075 the e-tube is not fully enclosed. Please consult igus®.

Supplement Part No. with required radius. Example: 2650.05.100.0

Note: Before using Series 2600/2650/2680 on long travels (gliding), please consult igus®!

 Order key
2650. 05. 100. 0 Half e-tube
2680. 05. 100. 0 Full e-tube

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



 e-chain® links as single parts, overview ► page 409

 Configuration options and order keys, overview ► page 410

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

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



Noise dampening | Noise reduction $\approx$ 5 dB(A)

e-chains® snap-open along inner radius	Half e-tubes snap-open along inner radius	Full e-tubes snap-open along inner radius		<i>R</i> Bending radii [mm]	<i>Bi</i> [mm]
S2600.05	S2650.05	S2680.05 .R.0		063* 075* 100 125 150 175 200 250	50
S2600.06	S2650.06	S2680.06 .R.0		063* 075* 100 125 150 175 200 250	65
S2600.07	S2650.07	S2680.07 .R.0		063* 075* 100 125 150 175 200 250	75
S2600.09	S2650.09	S2680.09 .R.0		063* 075* 100 125 150 175 200 250	90
S2600.10	S2650.10	S2680.10 .R.0		063* 075* 100 125 150 175 200 250	100
S2600.12	S2650.12	S2680.12 .R.0		063* 075* 100 125 150 175 200 250	125
S2600.15	S2650.15	S2680.15 .R.0		063* 075* 100 125 150 175 200 250	150
S2600.17	S2680.17	S2680.17 .R.0		063* 075* 100 125 150 175 200 250	175

*Radius Series 2650/2680 available upon request, please consult igus® for delivery time

For radii 063, 075 the e-tube is not fully enclosed. Please consult igus®.

Supplement Part No. with required radius. Example: S2600.05.100.0

Note: Before using Series 2600/2650/2680 on long travels (gliding), please consult igus®!



Configuration options and order keys, overview ► page 410



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

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

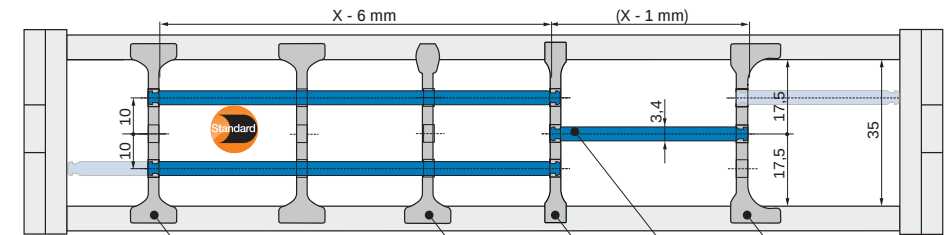


ESD/ATEX permanently conductive e-chains® - 2700 several widths with delivery from stock:
Inner widths *Bi* 50 - 125, radii *R* 063 - 150. Full ESD product range ► www.igus.eu/ESD

Magnetically detectable plastic e-chains®

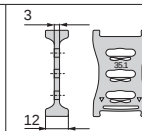
For the food- and tobacco industry | New in this catalog

- The material igumid DT is detected to the tiniest fragment all common metal detection systems and can therefore be selected automatically
 - Particles as small as 1.0 mm can be recognized for fragments passing at speeds of 20 m/min
- More information ► www.igus.eu/eu/detectable-chain



In the standard configuration separators are assembled every 2nd e-chain® link

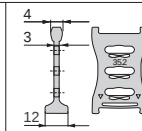
Note: Only suitable for e-chain® Series 2600/2700! Interior separation for e-tubes ► see next page



Standard separator,
wide base
unassembled 35.1
assembled 35.1.1

Standard - for all applications

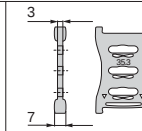
Separator with a wide base for maximum locking strength and safe standing in e-chains®.



Separator,
narrow head
unassembled 35.2
assembled 35.2.1

For even faster installation

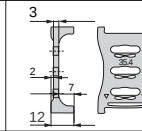
Firm hold to one side with a wide base, narrow on opposed side for easy cable assembly (slight grip).



Separator,
narrow base
unassembled 35.3
assembled 35.3.1

For many thin cables

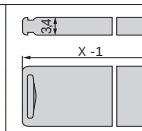
Separator with a narrow base for a large number of thin cables side by side. Saves space in e-chains®.



Separator,
asymmetrical
unassembled 35.4
assembled 35.4.1

For side-mounted applications

Asymmetrical separator, for defined distance.
No additional spacers necessary.



Full-width shelf,
lockable
unassembled 3200.X
assembled 3210.X

Horizontal separation

Full-width shelf locks safely into separators on both ends, fixed width possible. To be used as full-width shelf for a consequent subdivision or as shelf for a pattern system in 3 levels.

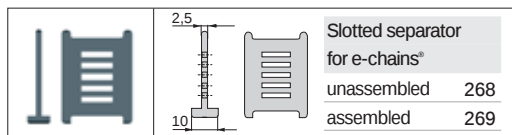
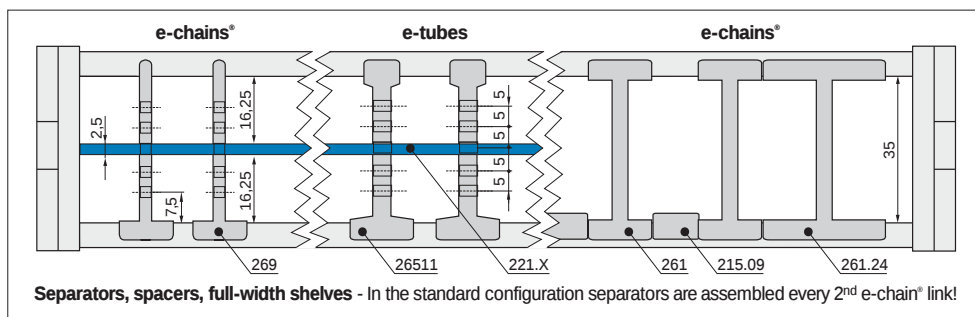


Lockable full-width shelves - for the standard interior separation

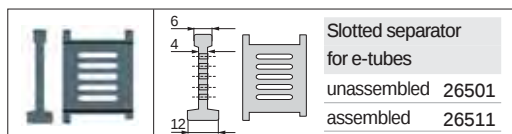
Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
050	3200.050	3210.050	125	3200.125	3210.125	225	3200.225	3210.225
075	3200.075	3210.075	150	3200.150	3210.150	250	3200.250	3210.250
100	3200.100	3210.100	175	3200.175	3210.175			
115	3200.115	3210.115	200	3200.200	3210.200			

2600·2650·2680·2700 | Interior separation | Options

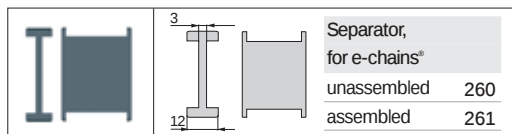
Previous interior separation - for e-chains® and e-tubes



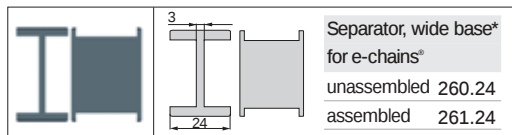
Slotted separator 268 (e-chains® only)
is used when vertical and horizontal separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.



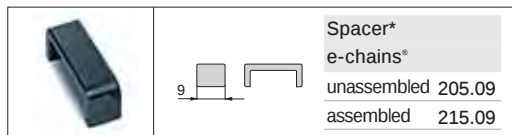
Slotted separator 26501 (e-tubes only)
is used when vertical and horizontal separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.



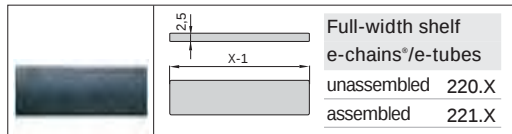
Separator 260 (e-chains® only)
For a simple vertical subdivision on e-chains®.



Separator, wide base* 260.24 (e-chains® only)
If a wide space between the separators has to be kept or separators have to be fixed in their position.
(*for side-mounted applications)



Spacer* 205.09 (e-chains® only)
Separators can be fixed in position. Only mountable onto the fixed crossbar. (*for side-mounted applications)



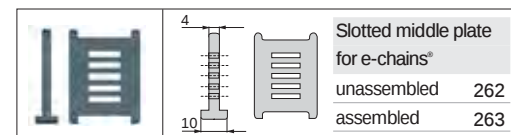
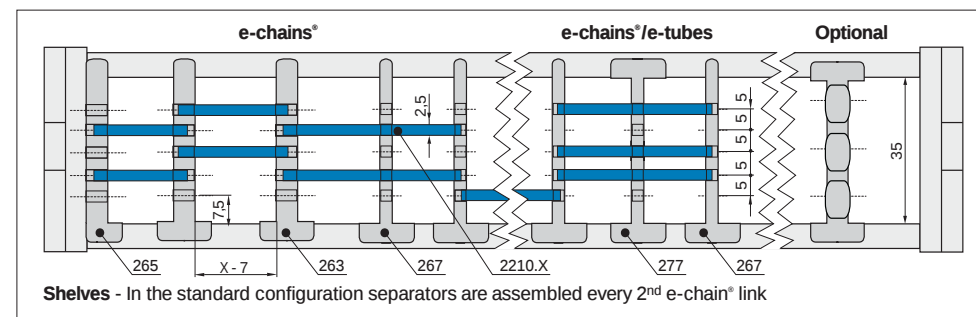
Full-width shelf 220.X (e-chains® and e-tubes)
This option makes sense in applications with many thin cables with similar diameters. For a consequent subdivision. Full-width shelves can be arranged at 5 different heights (in 5 mm increments).

Full-width shelves

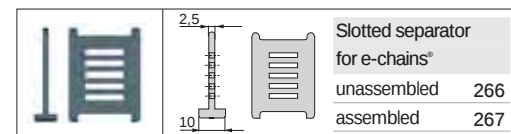
Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
050	220.50	221.50	090	220.90	221.90	150	220.150	221.150
065	220.65	221.65	100	220.100	221.100	175	220.175	221.175
075	220.75	221.75	125	220.125	221.125			

2600·2650·2680·2700 | Interior separation | Options

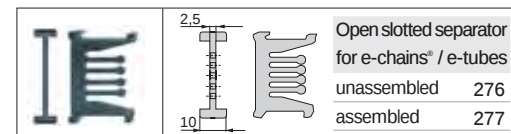
Previous interior separation - for e-chains® and e-tubes



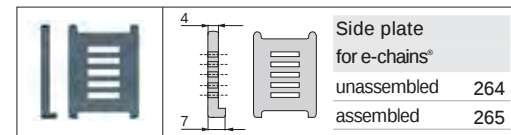
Middle plate 262 (e-chains® only)
To achieve a modular shelving by shelf 2200.X arranged at 5 different heights (in 5 mm increments)



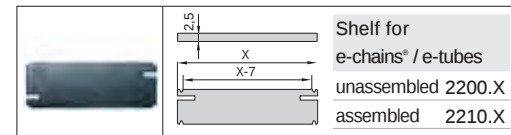
Slotted separator 266 (e-chains® only)
For a very fine subdivision. No retrofitting into an existing separation system without dismantling the interior separators first.



Open slotted separator 276 (e-chains® and e-tubes)
Quick assembly - retrofitting into an existing interior separation system without dismantling.



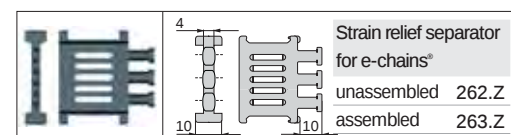
Side plate 264 (e-chains® only)
Works like middle plate.
Allows modular shelving close to the side links.



Shelf 2200.X (e-chains® and e-tubes)
For applications involving many cables with different diameters, shelves can be arranged at alternate heights. They can be arranged at 5 different heights (in 5 mm increments).

Shelves

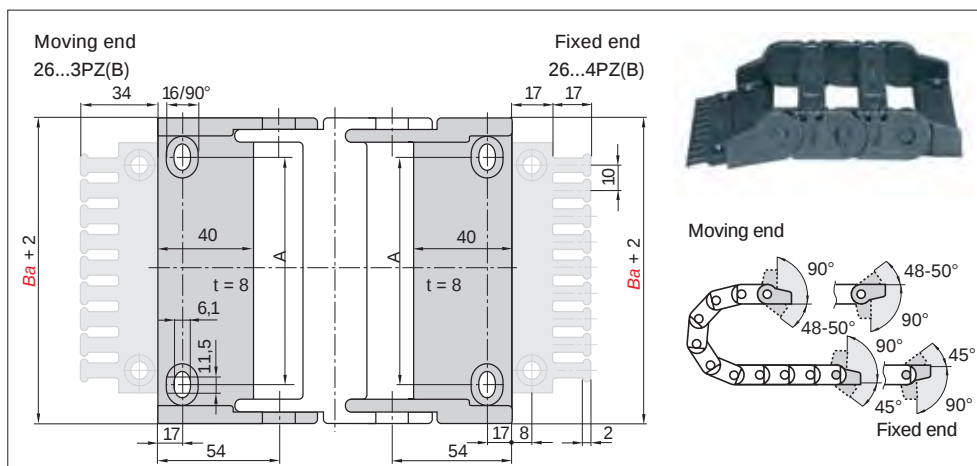
Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
018	2200.18	2210.18	043	2200.43	2210.43	088	2200.88	2210.88
023	2200.23	2210.23	048	2200.48	2210.48	099	2200.99	2210.99
028	2200.28	2210.28	058	2200.58	2210.58	124	2200.124	2210.124
033	2200.33	2210.33	068	2200.68	2210.68	149	2200.149	2210.149
038	2200.38	2210.38	073	2200.73	2210.73			



Additional elements for interior separation
Strain relief separator 262.Z (e-chains® only)
Can be integrated into the mounting bracket and can be placed there at any point. It combines strain relief and interior separation.

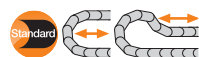
2600·2650·2680·2700 | Mounting brackets pivoting

For tight installation conditions



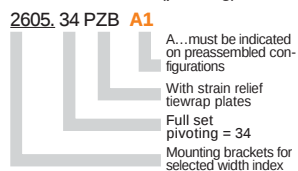
Polymer pivoting | Standard - Universal for e-chains® and e-tubes
Recommended for unsupported and gliding applications

For width index	Part No. full set with tie-wrap plate	Full set with tie-wrap plate + 10 cable tie-wraps	Part No. full set without tie-wrap plate	Dim. A [mm]	Number of teeth
.05. ▶	2605.34PZB	2605.34PZBK1	2605.34PZ	30	5
.06. ▶	2606.34PZB	2606.34PZBK1	2606.34PZ	45	5
.07. ▶	2607.34PZB	2607.34PZBK1	2607.34PZ	55	7
.09. ▶	2609.34PZB	2609.34PZBK1	2609.34PZ	70	9
.10. ▶	2610.34PZB	2610.34PZBK1	2610.34PZ	80	10
.12. ▶	2612.34PZB	2612.34PZBK1	2612.34PZ	105	12
.15. ▶	2615.34PZB	2615.34PZBK1	2615.34PZ	130	15
.17. ▶	2617.34PZB	2617.34PZBK1	2617.34PZ	155	17



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

Part No. structure (pivoting)



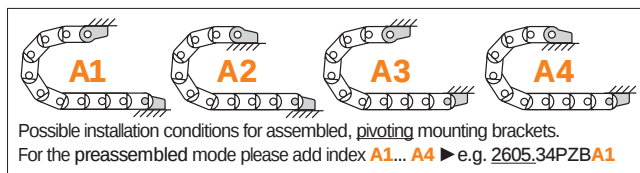
Single-part order

Mounting bracket Moving end

2605, 3 PZB A1 (preassembled + tie-wrap plate)

Mounting bracket Fixed end

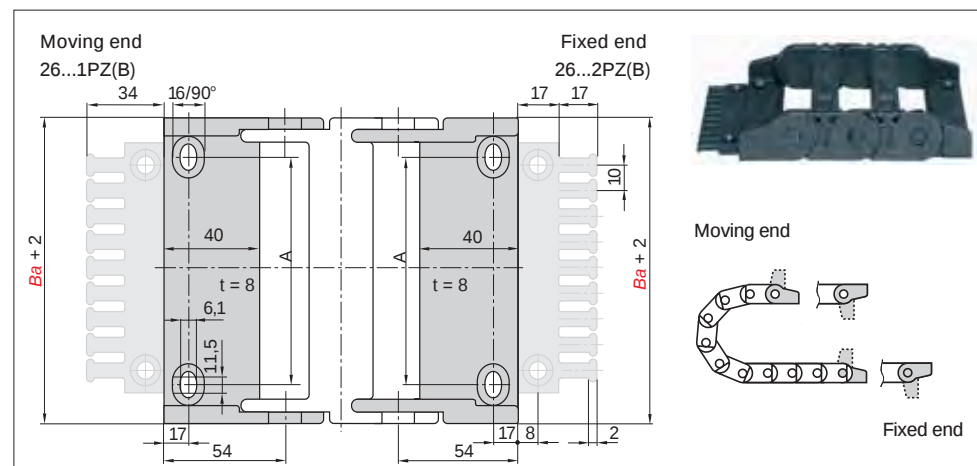
2605, 4 PZB A1 (preassembled + tie-wrap plate)



Strain relief e.g. clamps, tie-wrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 1148

2600·2650·2680·2700 | Mounting brackets locking

For very high speed and acceleration



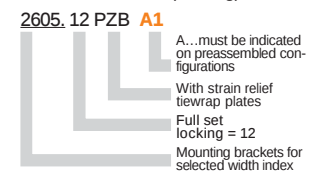
Polymer locking | Universal for e-chains® and e-tubes
Recommended for vertical hanging and standing applications

For width index	Part No. full set with tie-wrap plate	Full set with tie-wrap plate + 10 cable tie-wraps	Part No. full set without tie-wrap plate	Dim. A [mm]	Number of teeth
.05. ▶	2605.12PZB	2605.12PZBK1	2605.12PZ	30	5
.06. ▶	2606.12PZB	2606.12PZBK1	2606.12PZ	45	5
.07. ▶	2607.12PZB	2607.12PZBK1	2607.12PZ	55	7
.09. ▶	2609.12PZB	2609.12PZBK1	2609.12PZ	70	9
.10. ▶	2610.12PZB	2610.12PZBK1	2610.12PZ	80	10
.12. ▶	2612.12PZB	2612.12PZBK1	2612.12PZ	105	12
.15. ▶	2615.12PZB	2615.12PZBK1	2615.12PZ	130	15
.17. ▶	2617.12PZB	2617.12PZBK1	2617.12PZ	155	17



- 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)



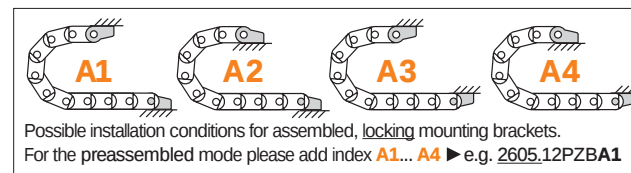
Single-part order

Mounting bracket Moving end

2605, 1 PZB A1 (preassembled + tie-wrap plate)

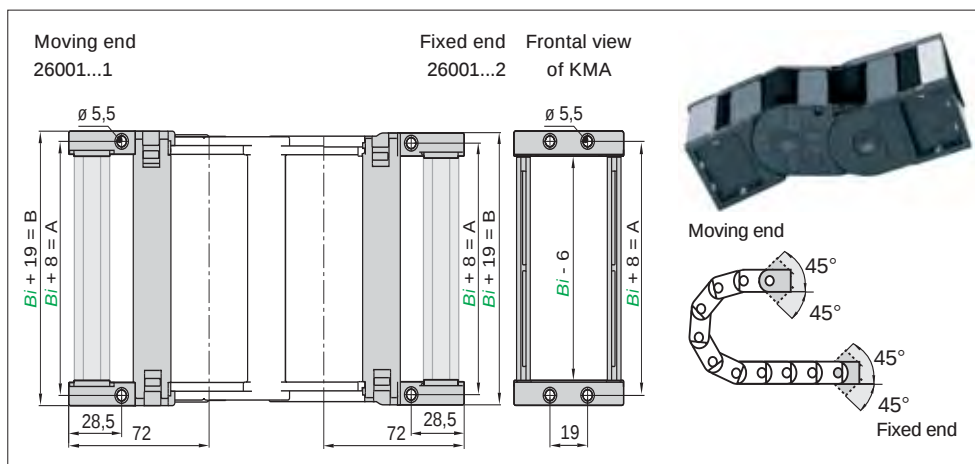
Mounting bracket Fixed end

2605, 2 PZB A1 (preassembled + tie-wrap plate)



Strain relief e.g. clamps, tie-wrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 1148

For tight installation conditions, all-sides attachment



KMA pivoting | All-sides attachment - Universal for e-chains® (Series 2600-2700)
Recommended for unsupported and gliding applications

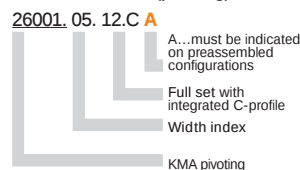
For width index	Part No. full set with C-profile	Part No. full set without C-profile	Dim. A [mm]	Dim. B [mm]
.05. ▶	26001.05.12.C	26001.05.12	58	69
.06. ▶	26001.06.12.C	26001.06.12	73	84
.07. ▶	26001.07.12.C	26001.07.12	83	94
.09. ▶	26001.09.12.C	26001.09.12	98	109
.10. ▶	26001.10.12.C	26001.10.12	108	119
.12. ▶	26001.12.12.C	26001.12.12	133	144
.15. ▶	26001.15.12.C	26001.15.12	158	169
.17. ▶	26001.17.12.C	26001.17.12	183	194

KMA pivoting to one side: Moving end 26101...1 / Fixed end 26101...2



- Bolted connection outside of chain cross-section possible
- For tight installation conditions
- Universally mountable with attachment capability on all sides
- C-profile option
- Option: threaded sockets upon request (KMA = Polymer Metal Mounting Bracket)

Part No. structure (pivoting) - e-chain®



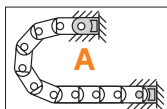
Single-part order

Mounting bracket Moving end

26001. 05. 1.C **A** (preassembled + C-profile)

Mounting bracket Fixed end

26001. 05. 2.C **A** (preassembled + C-profile)

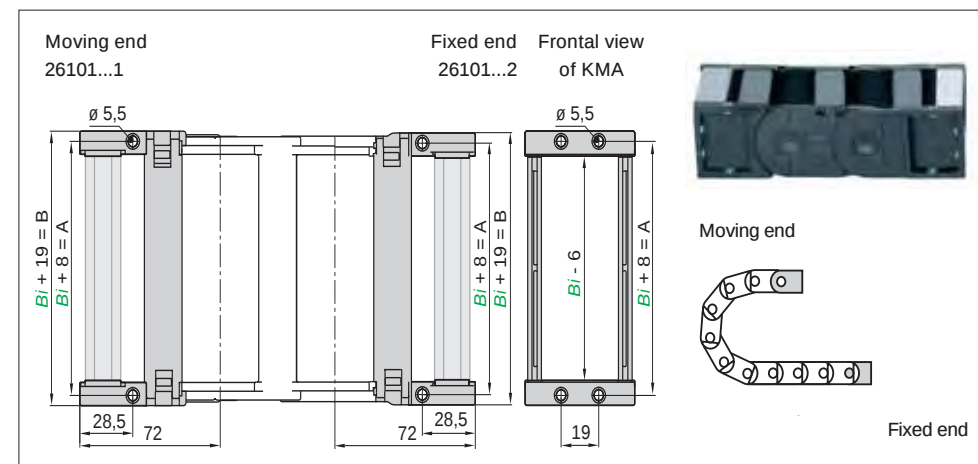


These attachment types are triggered automatically in the choice of the KMA mounting bracket. For the preassembled mode please add index **A** ▶ e.g. 26001.05.12.C **A**



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 1148

For very high speed and acceleration, all-sides attachment



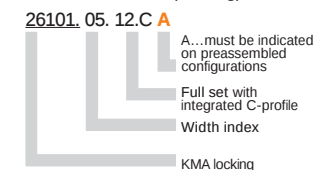
KMA locking | All-sides attachment - Universal for e-chains® (Series 2600-2700)
Recommended for vertical hanging and standing applications

For width index	Part No. full set with C-profile	Part No. full set without C-profile	Dim. A [mm]	Dim. B [mm]
.05. ▶	26101.05.12.C	26101.05.12	58	69
.06. ▶	26101.06.12.C	26101.06.12	73	84
.07. ▶	26101.07.12.C	26101.07.12	83	94
.09. ▶	26101.09.12.C	26101.09.12	98	109
.10. ▶	26101.10.12.C	26101.10.12	108	119
.12. ▶	26101.12.12.C	26101.12.12	133	144
.15. ▶	26101.15.12.C	26101.15.12	158	169
.17. ▶	26101.17.12.C	26101.17.12	183	194



- Bolted connection outside of chain cross-section possible
- At very high speed and/or acceleration
- Universally mountable
- C-profile option
- Option: threaded sockets upon request (KMA = Polymer Metal Mounting Bracket)

Part No. structure (locking) - e-chain®



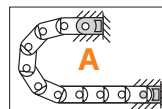
Single-part order

Mounting bracket Moving end

26101. 05. 1.C **A** (preassembled + C-profile)

Mounting bracket Fixed end

26101. 05. 2.C **A** (preassembled + C-profile)

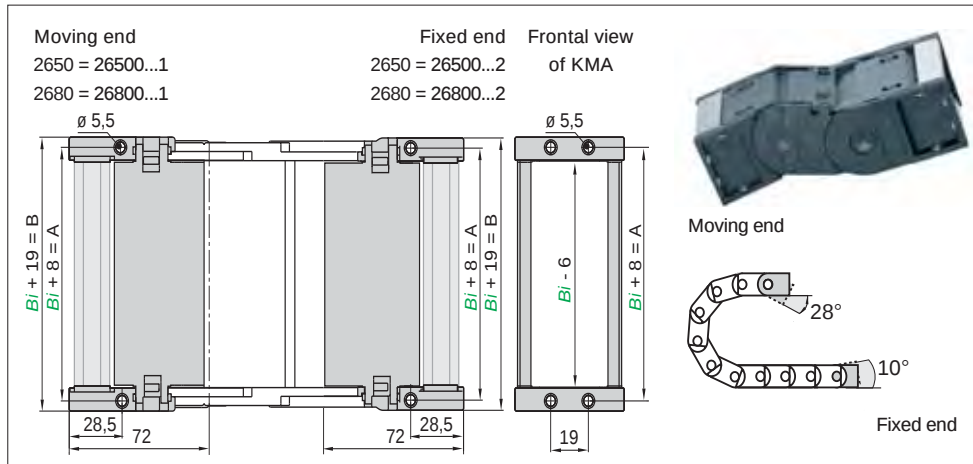


These attachment types are triggered automatically in the choice of the KMA mounting bracket. For the preassembled mode please add index **A** ▶ e.g. 26101.05.12.C **A**



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 1148

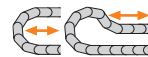
For tight installation conditions, all-sides attachment



KMA pivoting | All-sides attachment - Universal for e-chains® (Series 2650-2680)
Recommended for unsupported and gliding applications

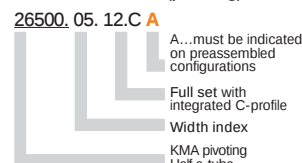
For width index	Part No. full set with C-profile	Part No. full set without C-profile	Dim. A [mm]	Dim. B [mm]
.05.	▶ 26500 26800 .05.12.C	26500 26800 .05.12	58	69
.06.	▶ 26500 26800 .06.12.C	26500 26800 .06.12	73	84
.07.	▶ 26500 26800 .07.12.C	26500 26800 .07.12	83	94
.09.	▶ 26500 26800 .09.12.C	26500 26800 .09.12	98	109
.10.	▶ 26500 26800 .10.12.C	26500 26800 .10.12	108	119
.12.	▶ 26500 26800 .12.12.C	26500 26800 .12.12	133	144
.15.	▶ 26500 26800 .15.12.C	26500 26800 .15.12	158	169
.17.	▶ 26500 26800 .17.12.C	26500 26800 .17.12	183	194

i KMA pivoting Part No. 26500... for half e-tube Series 2650
KMA pivoting Part No. 26800... for full e-tube Series 2680



- Bolted connection outside of chain cross-section possible
- For tight installation conditions
- Universally mountable with attachment capability on all sides
- C-profile option
- Option: threaded sockets upon request (KMA = Polymer Metal Mounting Bracket)

Part No. structure (pivoting) - e-tube

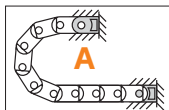


Single-part order

Mounting bracket Moving end

26500. 05. 1.C **A** (preassembled + C-profile)

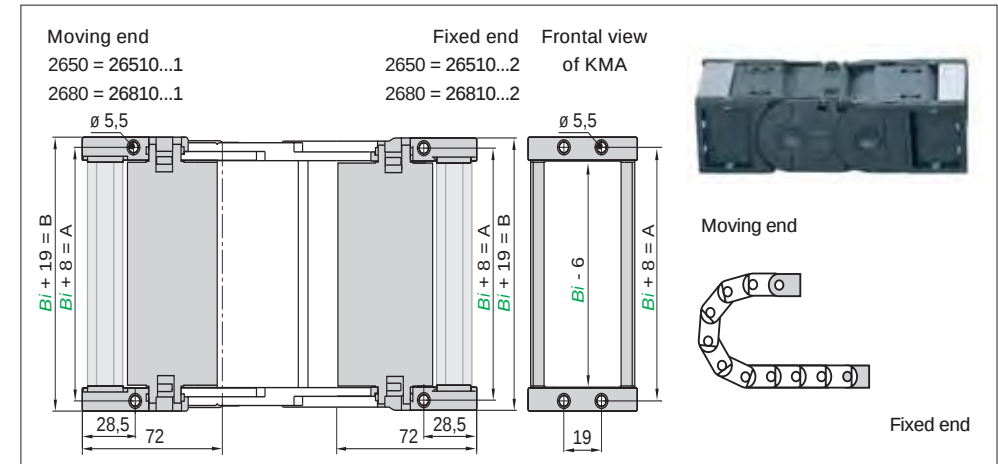
Mounting bracket Fixed end

26500. 05. 1.C **A** (preassembled + C-profile)

These attachment types are triggered automatically in the choice of the KMA mounting bracket. For the preassembled mode please add index **A** ▶ e.g. 26500.05.12.C**A**

i **Strain relief** e.g. clamps, tie-wrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 1148

For very high speed and acceleration, all-sides attachment



KMA locking | All-sides attachment - Universal for e-chains® (Series 2650-2680)
Recommended for vertical hanging and standing applications

For width index	Part No. full set with C-profile	Part No. full set without C-profile	Dim. A [mm]	Dim. B [mm]
.05.	▶ 26510 26810 .05.12.C	26510 26810 .05.12	58	69
.06.	▶ 26510 26810 .06.12.C	26510 26810 .06.12	73	84
.07.	▶ 26510 26810 .07.12.C	26510 26810 .07.12	83	94
.09.	▶ 26510 26810 .09.12.C	26510 26810 .09.12	98	109
.10.	▶ 26510 26810 .10.12.C	26510 26810 .10.12	108	119
.12.	▶ 26510 26810 .12.12.C	26510 26810 .12.12	133	144
.15.	▶ 26510 26810 .15.12.C	26510 26810 .15.12	158	169
.17.	▶ 26510 26810 .17.12.C	26510 26810 .17.12	183	194

i KMA locking Part No. 26510... for half e-tube Series 2650
KMA locking Part No. 26810... for full e-tube Series 2680



- Bolted connection outside of chain cross-section possible
- At very high speed and/or acceleration
- Universally mountable
- C-profile option
- Option: threaded sockets upon request (KMA = Polymer Metal Mounting Bracket)

Part No. structure (locking) - e-tube

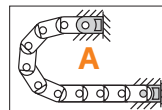


Single-part order

Mounting bracket Moving end

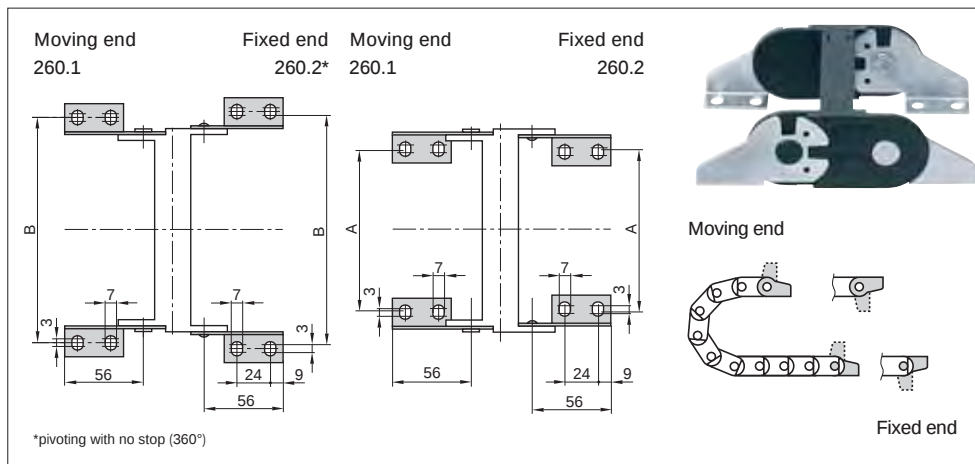
26510. 05. 1.C **A** (preassembled + C-profile)

Mounting bracket Fixed end

26510. 05. 2.C **A** (preassembled + C-profile)

These attachment types are triggered automatically in the choice of the KMA mounting bracket. For the preassembled mode please add index **A** ▶ e.g. 26510.05.12.C**A**

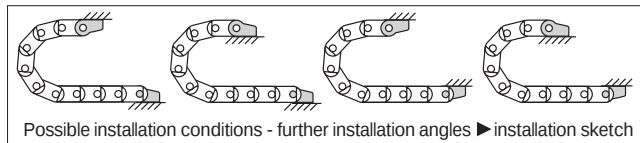
i **Strain relief** e.g. clamps, tie-wrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 1148

**Steel locking | For e-chains® and e-tubes**

Recommended for unsupported, vertical hanging and standing applications

For width index	Part No. full set	Part No. full set stainless steel**	Dim. A [mm]	Dim. B [mm]
.05. ▶	260.12	260.12.E	37	83
.06. ▶	260.12	260.12.E	52	98
.07. ▶	260.12	260.12.E	62	108
.09. ▶	260.12	260.12.E	77	123
.10. ▶	260.12	260.12.E	87	133
.12. ▶	260.12	260.12.E	112	158
.15. ▶	260.12	260.12.E	137	183
.17. ▶	260.12	260.12.E	163	209

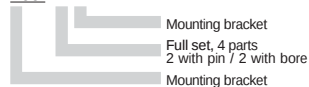
Note: By ordering steel mounting brackets in combination with an e-chain® / e-tube, they will be delivered assembled!



- Locking connections
- One part (2-piece) for all e-chain® widths
- Electrically conductive
- Bolted connection outside of chain cross-section possible
- Stainless steel version available (**Material: stainless steel 1.4301 / AISI 304)

Part no. structure

260.12.E



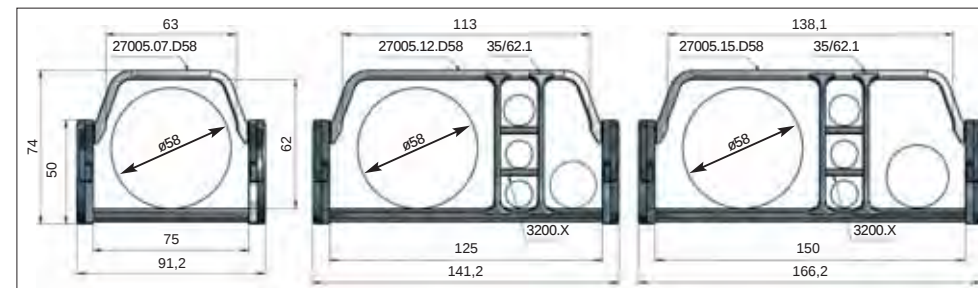
Single-part order

Mounting bracket Moving end

260.1 (1 part left / right)

Mounting bracket Fixed end

260.2 (1 part left / right)

**Extender crossbars Series 2600-2700-2650 - Enormous increase of the interior for the smooth guiding of larger hoses**

- Suitable for hoses with an outer diameter of max. 58 mm
- Optionally openable along the inner or outer radius, swivelling
- Modular interior separation Part No. 35/62.1
- Cable-friendly design of extender crossbar and interior separation
- High holding force of the extender crossbar

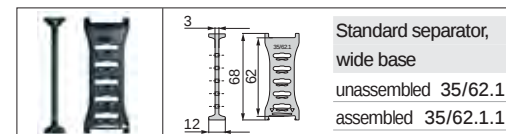


Order example
e-chain® with extender crossbar
snap-open along outer radius,
Bi 75 mm, R 100 mm:
Part No. 2700.15D58.100.0

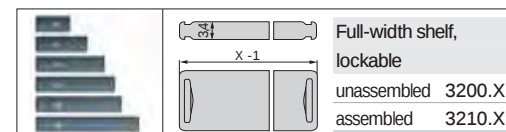
Extender crossbars for e-chains® snap-open along inner radius	Extender crossbars for e-chains® snap-open along outer radius	Extender crossbars for half e-tubes snap-open along inner radius	Bi [mm]	Ba [mm]	R Bending radii [mm]
2600.07D58.R.0	2700.07D58.R.0	2650.07D58.R.0	75	91	063* 075* 100 125 150 175 200 250
2600.12D58.R.0	2700.12D58.R.0	2650.12D58.R.0	125	141	063* 075* 100 125 150 175 200 250
2600.15D58.R.0	2700.15D58.R.0	2650.15D58.R.0	150	166	063* 075* 100 125 150 175 200 250

*Radius 063 and 075 only possible with e-chains® Series 2700

Supplement Part No. with required radius. Example: 2700.15D58.100.0

Series 2600-2700-2650 | Interior separation for extender crossbars

Standard separator,
wide base
unassembled 35/62.1
assembled 35/62.1.1



Full-width shelf,
lockable
unassembled 3200.X
assembled 3210.X

Standard separator, wide base

For maximum locking strength and safe standing. In standard configuration separators are assembled every 2nd link!

Horizontal separation

Full-width shelf locks safely into separators on both ends, fixed width possible. Separators can be moved freely over the shelf in horizontal direction. Can be arranged at 5 different heights. Product range ▶ page 449



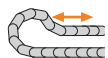
Strain relief e.g. clamps, tie-wrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 1148

Optional: Support tray tool kit.

For support of the lower run.

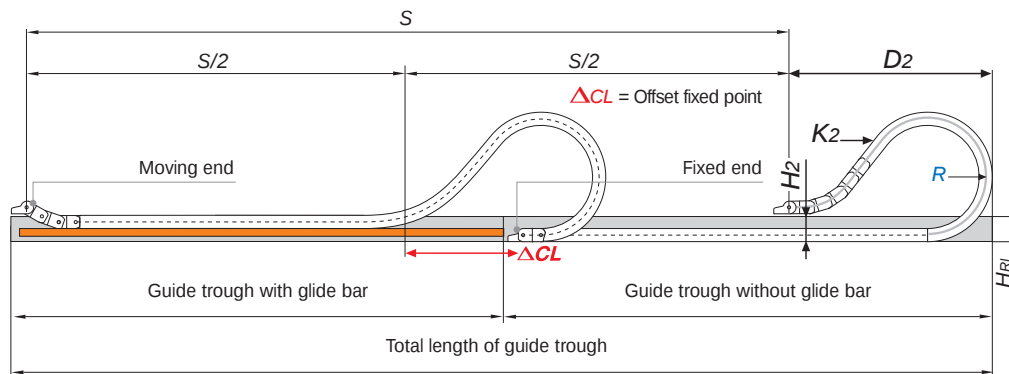
Simple one-piece support trays according to your requirements and specification. Order example - support tray with bracket, length 1,0 m, color black: Part No. S9.011.15.1000.0. The complete range with order options ▶ from page 1258





Gliding applications | For long travels from 10 m to max. 120 m

Solution for long travel applications - In this case the e-chain® upper run will be introduced in a guide trough on the lower run. We recommend to realize the engineering of such a plant by our technicians. **Please note:** For using Series 2600/2650/2680 for long travels (gliding), please consult igus® first. For long travels, igus® specifies Series 2700 that snaps open along the outer radius. In case of travels between 5 and 10 m we recommend a longer unsupported length. More information ► Design, from page 106



$$\text{Pitch} = 56 \text{ mm/link} \cdot \text{Links/m} = 18 (1008 \text{ mm}) \cdot \text{Chain length} = \frac{S}{2} + K_2$$

R	063*	075*	100	125	150	175	200	250
H ₂	130	150	166	166	166	166	166	166
D ₂ ⁺²⁵	140	150	350	475	500	655	770	950
K ₂	335	375	616	784	896	1120	1288	1624
ΔCL	—	—	144	244	244	374	464	594

*Radius for Series 2650/2680 available upon request, please consult igus® for delivery time. **Note:** Before using Series 2600/2650/2680 on long travels, please consult igus®

More solutions | For long travel applications

autoglide 2700.Bi.AG.R - self-guiding, no guide troughs - Travel lengths ≤ 50 m $v_{\max}$ 1,5 m/s

Self-guiding e-chainsystems® - no need for guide troughs

guidelok slimline F - Safe vertical guidance for e-chains® - Travels up to 50 m height $v_{\max}$ 7 m/s

For hanging applications e.g. high-speed rack feeders up to 7 m/s and 10 m/s². No swinging of the e-chain®, high reliability through lever mechanism and guiding rails. Energy and data and all kinds of media in one single system



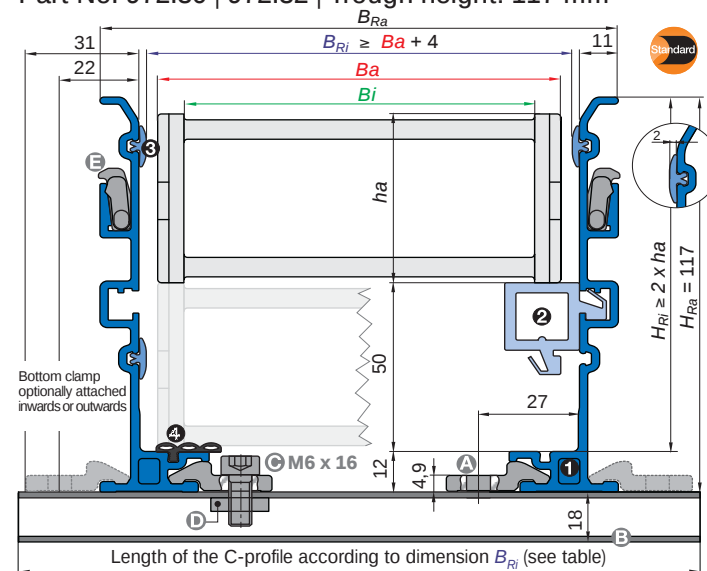
e-chains® for long travels: E4/4HD, P4, autoglide, rol e-chain® ► from page 1264
Special solutions for long travel applications ► from page 1348



H₂ = Mounting height (if the moving end is set lower) K₂ = Further add-on (if the moving end is set lower) ΔCL = Offset fixed point S = Length of travel
D₂ = Over length - long travels, gliding R = Bending radius H_{Ri} = Inner trough height S/2 = Half length of travel

Aluminum SuperTrough | Basic Version

Part No. 972.30 | 972.32 | Trough height: 117 mm



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
.05	70	upon request	960.30.175
.06	85	960.30.150	960.30.200
.07	95	960.30.150	960.30.200
.09	110	960.30.175	960.30.225
.10	120	960.30.175	960.30.225
.12	145	960.30.200	960.30.250
.15	170	960.30.225	960.30.275
.17	198	960.30.250	960.30.300

Insert for the installation set "Heavy-Duty": **972.50.XXX** instead of 960.30.XXX on the right column "attached outwards"

● 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) ④ Optional: Silencer profile, rubber ● Components, installation set "Basic": ① Bottom clamp, aluminum ② C-profile, galvanized steel ► table ③ Screw M6 x 16 ④ Sliding nut M6 ⑤ Interface connector, plastic



Order example: Length of travel 30 m -

Center mounted for Series 2700.05.100.0 with B_{Ri} = 70

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. 972.30.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. 972.32.SL

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

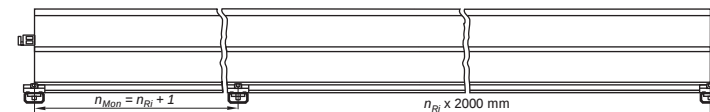
Order text: 17 installation sets Part No. 960.30.175

Module for the fixed end

Order text: 1 set Part No. 972.81

Option: For an additional noise dampening

with silencer profile, please add Index A - Example: Part No. 972.30.SLA



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



Aluminum SuperTrough "Basic" in detail and the "Heavy-Duty" version for heavy machinery ► from page 1200



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



Many mounting options with or without strain relief

Suitable for clean-room applications

Opening system from left or right

System with 4 variations

Lateral glide surfaces

Suitable for clean-room applications

Large pin for high stability

Double stop dog for long unsupported travels

+ Large inner height, high stability

When to use Series 3400-3450-3480-3500:

- If a medium-sized, stable system with an inner height of 21 mm is required (e-chains®, half and full e-tubes)
- If inner widths up to 250 mm are required
- For unsupported lengths up to 3,0 m and fill weights up to 13 kg/m
- For long travels up to 150 m
- If an optimized system for quick opening of crossbars from left or right is required

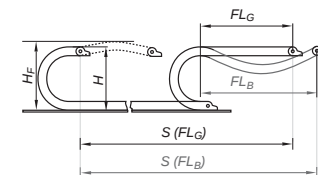
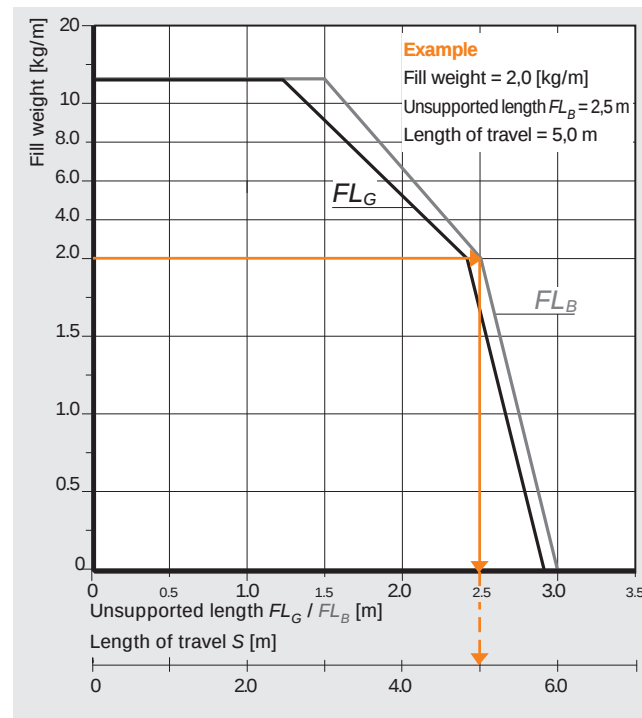


When to use a different igus® Series:

- If more stability is required
- System E4.1, Series E4.42, page 662
- For simple applications and easy filling
- easy chain®, Series E300, page 200



Open E2/000 e-chains® in a flash with the **e-chain® opener** ► page 405

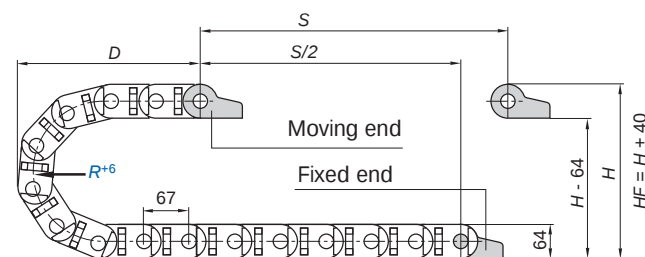


Standard Unsupported applications

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

Gliding applications

Long travels up to 150 m.
More information ► page 478



Technical Data

Speed, material, temperature and flammability class ► page 408

Pitch = 67 mm/link
Links/m = 15 (1005 mm)
Chain length = $\frac{S}{2} + K$

R	075*	100*	125	150	200	250	300
H	214	264	314	364	464	564	664
D	208	233	258	283	333	383	433
K	370	450	530	610	765	920	1080

The required clearance height: $H_F = H + 40$ mm (with 2,5 kg/m fill weight)

*Radius for Series 3450/3480 available upon request, please consult igus® for delivery time. Note: Before using Series 3400/3450/3480 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/E2000



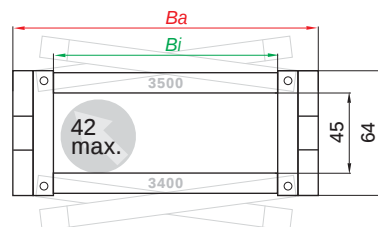
e-chains® | Series 3400 snap-open along inner radius
e-chains® | Series 3500 snap-open along outer radius | Standard

e-chains® snap-open along inner radius	e-chains® snap-open along outer radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	3400 [kg/m]	3500 [kg/m]
3400. 050 .R.0	3500. 050 .R.0	50	70	075 100 125 150 200 250 300	~ 1,60	~ 1,60
3400. 075 .R.0	3500. 075 .R.0	75	95	075 100 125 150 200 250 300	~ 1,78	~ 1,78
3400. 100 .R.0	3500. 100 .R.0	100	120	075 100 125 150 200 250 300	~ 1,93	~ 1,93
3400. 115 .R.0	3500. 115 .R.0	115	135	075 100 125 150 200 250 300	~ 1,99	~ 1,99
3400. 125 .R.0	3500. 125 .R.0	125	145	075 100 125 150 200 250 300	~ 2,03	~ 2,03
3400. 150 .R.0	3500. 150 .R.0	150	170	075 100 125 150 200 250 300	~ 2,17	~ 2,17
3400. 175 .R.0	3500. 175 .R.0	175	195	075 100 125 150 200 250 300	~ 2,28	~ 2,28
3400. 200 .R.0	3500. 200 .R.0	200	220	075 100 125 150 200 250 300	~ 2,45	~ 2,45
3400. 225 .R.0	3500. 225 .R.0	225	245	075 100 125 150 200 250 300	~ 2,59	~ 2,59
3400. 250 .R.0	3500. 250 .R.0	250	270	075 100 125 150 200 250 300	~ 2,73	~ 2,73

Supplement Part No. with required radius. Example: 3500.**075**.**200**.0

Note: Before using Series 3400/3450/3480 on long travels (gliding), please consult igus®!

Order key
3400. **075**. **200**. 0 e-chain®
3500. **075**. **200**. 0 e-chain®



e-chain® links as single parts, overview ► page 409

Configuration options and order keys, overview ► page 410

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

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



Half e-tubes | Series 3450 snap-open along inner radius, closed along outer radius
Full e-tubes | Series 3480 snap-open along inner radius, fully enclosed

Half e-tubes snap-open along inner radius	Full e-tubes snap-open along inner radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	3450 [kg/m]	3480 [kg/m]
3450. 050 .R.0	3480. 050 .R.0	50	70	075* 100* 125 150 200 250 300	~ 1,77	~ 1,96
3450. 075 .R.0	3480. 075 .R.0	75	95	075* 100* 125 150 200 250 300	~ 1,95	~ 2,07
3450. 100 .R.0	3480. 100 .R.0	100	120	075* 100* 125 150 200 250 300	~ 2,15	~ 2,30
3450. 115 .R.0	3480. 115 .R.0	115	135	075* 100* 125 150 200 250 300	~ 2,30	~ 2,46
3450. 125 .R.0	3480. 125 .R.0	125	145	075* 100* 125 150 200 250 300	~ 2,42	~ 2,49
3450. 150 .R.0	3480. 150 .R.0	150	170	075* 100* 125 150 200 250 300	~ 2,60	~ 2,62
3450. 175 .R.0	3480. 175 .R.0	175	195	075* 100* 125 150 200 250 300	~ 2,75	~ 2,80
3450. 200 .R.0	3480. 200 .R.0	200	220	075* 100* 125 150 200 250 300	~ 2,90	~ 2,94
3450. 225 .R.0	3480. 225 .R.0	225	245	075* 100* 125 150 200 250 300	~ 3,15	~ 3,12
3450. 250 .R.0	3480. 250 .R.0	250	270	075* 100* 125 150 200 250 300	~ 3,30	~ 3,28

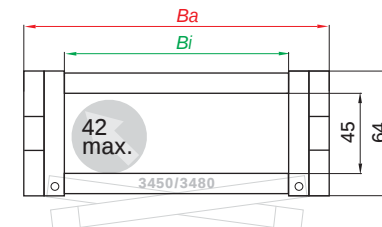
*Radius available upon request, please consult igus® for delivery time

For radii 075, 100 the e-tube is not fully enclosed. Please consult igus®.

Supplement Part No. with required radius. Example: 3450.**075**.**200**.0

Note: Before using Series 3400/3450/3480 on long travels (gliding), please consult igus®!

Order key
3450. **075**. **200**. 0 Half e-tube
3480. **075**. **200**. 0 Full e-tube



e-chain® links as single parts, overview ► page 409

Configuration options and order keys, overview ► page 410

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

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



...-5 dB(A)
depends on environmental conditions,
similar to figure



Noise dampening | Noise reduction ≈ 5 dB(A)

e-chains® snap-open along inner radius	Half e-tubes snap-open along inner radius	Full e-tubes snap-open along inner radius		R Bending radii [mm]								Bi [mm]
S3400.050	S3450.050	S3480.050	.R.0	075*	100*	125	150	200	250	300		50
S3400.075	S3450.075	S3480.075	.R.0	075*	100*	125	150	200	250	300		75
S3400.100	S3450.100	S3480.100	.R.0	075*	100*	125	150	200	250	300		100
S3400.115	S3450.115	S3480.115	.R.0	075*	100*	125	150	200	250	300		115
S3400.125	S3450.125	S3480.125	.R.0	075*	100*	125	150	200	250	300		125
S3400.150	S3450.150	S3480.150	.R.0	075*	100*	125	150	200	250	300		150
S3400.175	S3450.175	S3480.175	.R.0	075*	100*	125	150	200	250	300		175
S3400.200	S3450.200	S3480.200	.R.0	075*	100*	125	150	200	250	300		200
S3400.225	S3450.225	S3480.225	.R.0	075*	100*	125	150	200	250	300		225
S3400.250	S3450.250	S3480.250	.R.0	075*	100*	125	150	200	250	300		250

*Radius Series 3450/3480 available upon request, please consult igus® for delivery time

For radii 075, 100 the e-tube is not fully enclosed. Please consult igus®.

Supplement Part No. with required radius. Example: S3400.075.200.0

Note: Before using Series 3400/3450/3480 on long travels (gliding), please consult igus®!



Configuration options and order keys, overview ► page 410



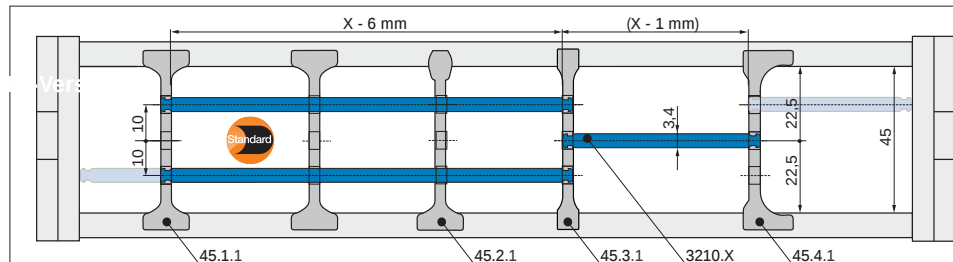
Available from stock. Delivery time* in 24h or today!

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

Magnetically detectable plastic e-chains®

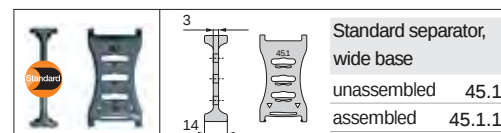
For the food- and tobacco industry | New in this catalog

● The material igumid DT is detected to the tiniest fragment all common metal detection systems and can therefore be selected automatically ● Particles as small as 1.0 mm can be recognized for fragments passing at speeds of 20 m/min
More information ► www.igus.eu/eu/detectable-chain



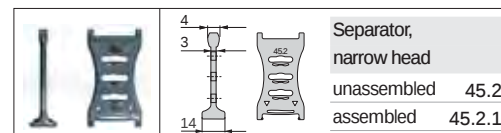
In the standard configuration separators are assembled every 2nd e-chain® link

Suitable for e-chains® and e-tubes Series 3400-3450-3480-3500! Optional interior separation ► next page



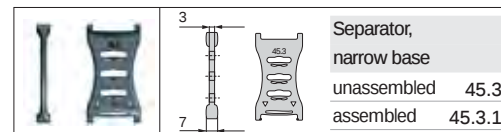
Standard separator,
wide base

unassembled	45.1
assembled	45.1.1



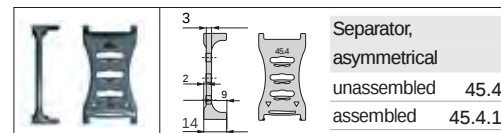
Separator,
narrow head

unassembled	45.2
assembled	45.2.1



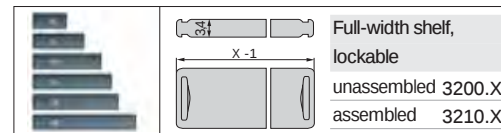
Separator,
narrow base

unassembled	45.3
assembled	45.3.1



Separator,
asymmetrical

unassembled	45.4
assembled	45.4.1



Full-width shelf,
lockable

unassembled	3200.X
assembled	3210.X

Standard - for all applications

Separator with a wide base for maximum locking strength and safe standing in e-chains®.

For even faster installation

Firm hold to one side with a wide base, narrow on opposed side for easy cable assembly (slight grip).

For many thin cables

Separator with a narrow base for a large number of thin cables side by side. Saves space in e-chains®.

For side-mounted applications

Asymmetrical separator, for defined distance.
No additional spacers necessary.

Horizontal separation

Full-width shelf locks safely into separators on both ends, fixed width possible. To be used as full-width shelf for a consequent subdivision or as shelf for a pattern system in 3 levels.

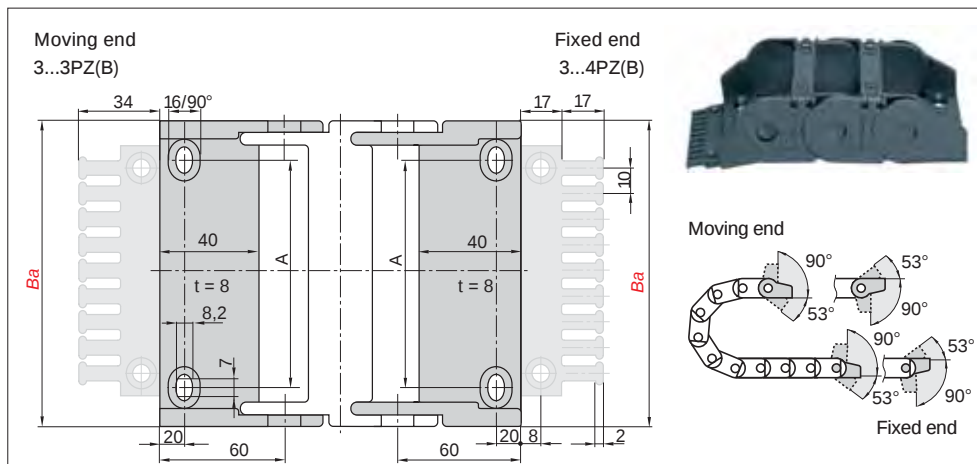
Lockable full-width shelves - for the standard interior separation

Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
050	3200.050	3210.050	125	3200.125	3210.125	225	3200.225	3210.225
075	3200.075	3210.075	150	3200.150	3210.150	250	3200.250	3210.250
100	3200.100	3210.100	175	3200.175	3210.175			
115	3200.115	3210.115	200	3200.200	3210.200			



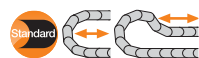
3400·3450·3480·3500 | Mounting brackets pivoting

For tight installation conditions



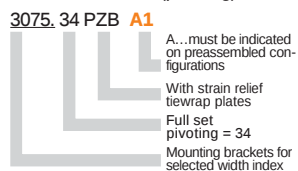
Polymer pivoting | Standard - Universal for e-chains® and e-tubes
Recommended for unsupported and gliding applications

For width index	Part No. full set with tiewrap plate	Full set with tiewrap plate + 10 cable tiewraps	Part No. full set without tiewrap plate	Dim. A [mm]	Number of teeth
.050. ▶	3050.34PZB	3050.34PZBK1	3050.34PZ	28	5
.075. ▶	3075.34PZB	3075.34PZBK1	3075.34PZ	53	7
.100. ▶	3100.34PZB	3100.34PZBK1	3100.34PZ	78	10
.115. ▶	3115.34PZB	3115.34PZBK1	3115.34PZ	93	11
.125. ▶	3125.34PZB	3125.34PZBK1	3125.34PZ	103	12
.150. ▶	3150.34PZB	3150.34PZBK1	3150.34PZ	128	15
.175. ▶	3175.34PZB	3175.34PZBK1	3175.34PZ	153	17
.200. ▶	3200.34PZB	3200.34PZBK1	3200.34PZ	178	20
.225. ▶	3225.34PZB	3225.34PZBK1	3225.34PZ	203	22
.250. ▶	3250.34PZB	3250.34PZBK1	3250.34PZ	228	25

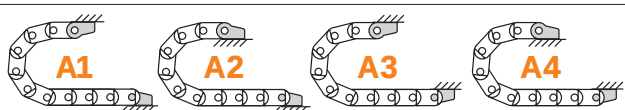


- Standard
- For tight installation conditions
- Strain relief with detachable chainfix tiewrap plates
- Corrosion resistant
- Variable traverse angle
- Various installation options on the fixed end and/or the moving end

Part No. structure (pivoting)



Single-part order
Mounting bracket Moving end
3075, 3 PZB **A1** (preassembled + tiewrap plate)
Mounting bracket Fixed end
3075, 4 PZB **A1** (preassembled + tiewrap plate)



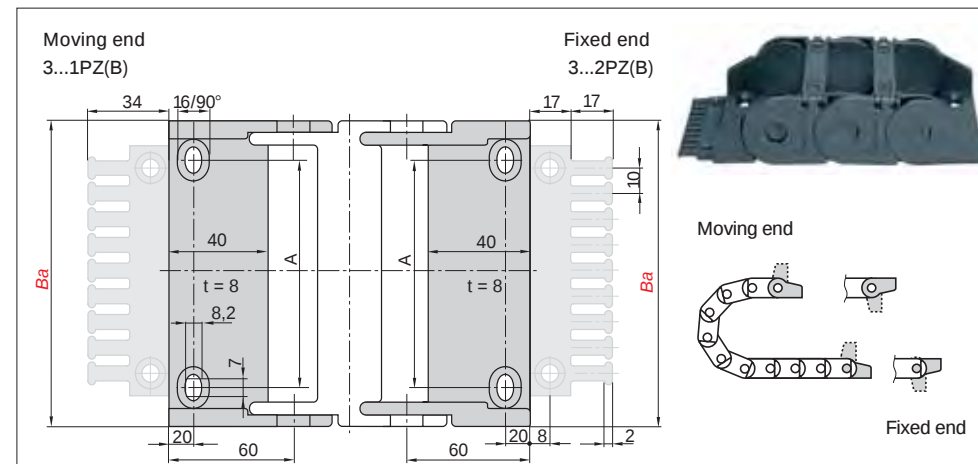
Possible installation conditions for assembled, pivoting mounting brackets.
For the preassembled mode please add index **A1... A4** ▶ e.g. 3075.34PZB**A1**



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 1148

3400·3450·3480·3500 | Mounting brackets locking

For very high speed and acceleration



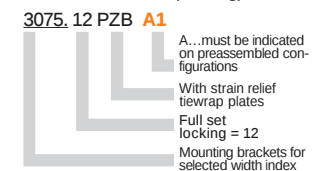
Polymer locking | Universal for e-chains® and e-tubes
Recommended for vertical hanging and standing applications

For width index	Part No. full set with tiewrap plate	Full set with tiewrap plate + 10 cable tiewraps	Part No. full set without tiewrap plate	Dim. A [mm]	Number of teeth
.050. ▶	3050.12PZB	3050.12PZBK1	3050.12PZ	28	5
.075. ▶	3075.12PZB	3075.12PZBK1	3075.12PZ	53	7
.100. ▶	3100.12PZB	3100.12PZBK1	3100.12PZ	78	10
.115. ▶	3115.12PZB	3115.12PZBK1	3115.12PZ	93	11
.125. ▶	3125.12PZB	3125.12PZBK1	3125.12PZ	103	12
.150. ▶	3150.12PZB	3150.12PZBK1	3150.12PZ	128	15
.175. ▶	3175.12PZB	3175.12PZBK1	3175.12PZ	153	17
.200. ▶	3200.12PZB	3200.12PZBK1	3200.12PZ	178	20
.225. ▶	3225.12PZB	3225.12PZBK1	3225.12PZ	203	22
.250. ▶	3250.12PZB	3250.12PZBK1	3250.12PZ	228	25

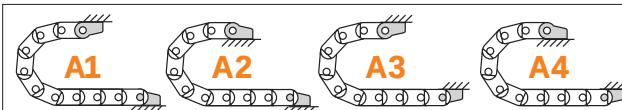


- Locked connections
- At very high speed and/or acceleration
- If space is limited for height (the H_F measurement)
- Various installation options on the fixed end and/or the moving end

Part No. structure (locking)



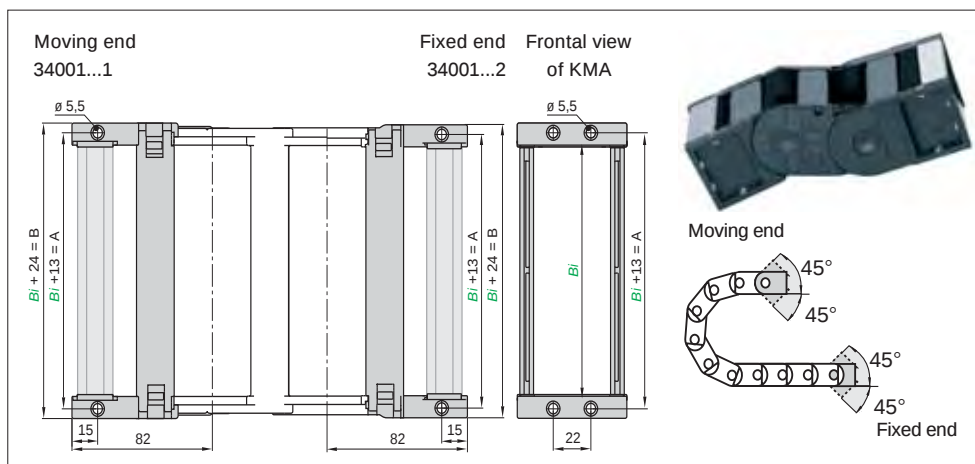
Single-part order
Mounting bracket Moving end
3075, 1 PZB **A1** (preassembled + tiewrap plate)
Mounting bracket Fixed end
3075, 2 PZB **A1** (preassembled + tiewrap plate)



Possible installation conditions for assembled, locking mounting brackets.
For the preassembled mode please add index **A1... A4** ▶ e.g. 3075.12PZB**A1**



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 1148



KMA pivoting | All-sides attachment - Universal for e-chains® (Series 3400-3500)

Recommended for unsupported and gliding applications

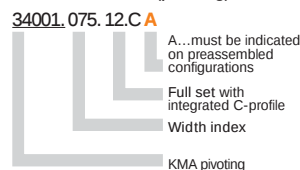
For width index	Part No. full set with C-profile	Part No. full set without C-profile	Dim. A [mm]	Dim. B [mm]
.050. ▶	34001.050.12.C	34001.050.12	63	74
.075. ▶	34001.075.12.C	34001.075.12	88	99
.100. ▶	34001.100.12.C	34001.100.12	113	124
.115. ▶	34001.115.12.C	34001.115.12	128	139
.125. ▶	34001.125.12.C	34001.125.12	138	149
.150. ▶	34001.150.12.C	34001.150.12	163	174
.175. ▶	34001.175.12.C	34001.175.12	188	199
.200. ▶	34001.200.12.C	34001.200.12	213	224
.225. ▶	34001.225.12.C	34001.225.12	238	249
.250. ▶	34001.250.12.C	34001.250.12	263	274

KMA pivoting to one side: Moving end 34001...1 / Fixed end 34001...2



- Bolted connection outside of chain cross-section possible
- For tight installation conditions
- Universally mountable with attachment capability on all sides
- C-profile option
- Option: threaded sockets upon request (KMA = Polymer Metal Mounting Bracket)

Part No. structure (pivoting) - e-chain®



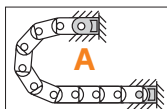
Single-part order

Mounting bracket Moving end

34001. 075. 1.C **A** (preassembled + C-profile)

Mounting bracket Fixed end

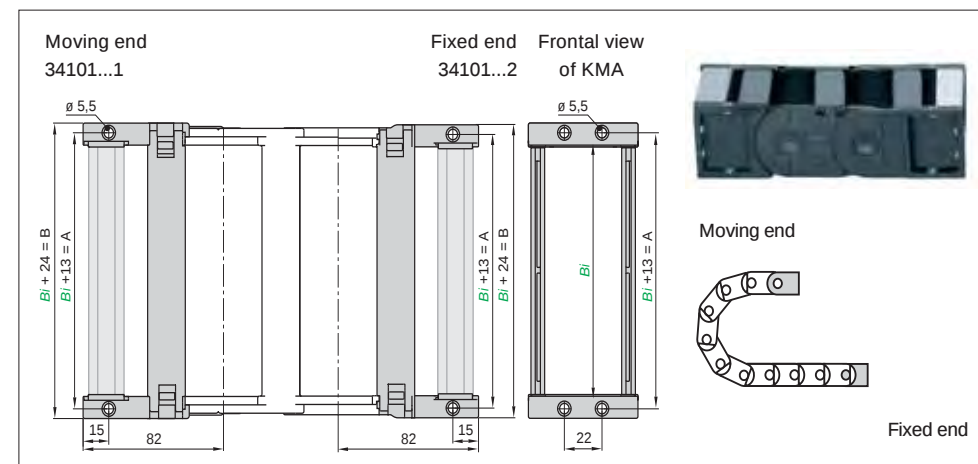
34001. 075. 2.C **A** (preassembled + C-profile)



These attachment types are triggered automatically in the choice of the KMA mounting bracket. For the preassembled mode please add index **A** ▶ e.g. 34001.075.12.C**A**



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 1148



KMA locking | All-sides attachment - Universal for e-chains® (Series 3400-3500)

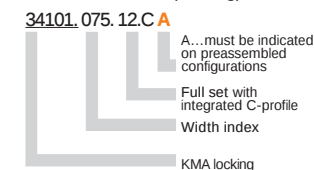
Recommended for vertical hanging and standing applications

For width index	Part No. full set with C-profile	Part No. full set without C-profile	Dim. A [mm]	Dim. B [mm]
.050. ▶	34101.050.12.C	34101.050.12	63	74
.075. ▶	34101.075.12.C	34101.075.12	88	99
.100. ▶	34101.100.12.C	34101.100.12	113	124
.115. ▶	34101.115.12.C	34101.115.12	128	139
.125. ▶	34101.125.12.C	34101.125.12	138	149
.150. ▶	34101.150.12.C	34101.150.12	163	174
.175. ▶	34101.175.12.C	34101.175.12	188	199
.200. ▶	34101.200.12.C	34101.200.12	213	224
.225. ▶	34101.225.12.C	34101.225.12	238	249
.250. ▶	34101.250.12.C	34101.250.12	263	274



- Bolted connection outside of chain cross-section possible
- At very high speed and/or acceleration
- Universally mountable
- C-profile option
- Option: threaded sockets upon request (KMA = Polymer Metal Mounting Bracket)

Part No. structure (locking) - e-chain®



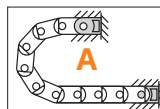
Single-part order

Mounting bracket Moving end

34101. 075. 1.C **A** (preassembled + C-profile)

Mounting bracket Fixed end

34101. 075. 2.C **A** (preassembled + C-profile)

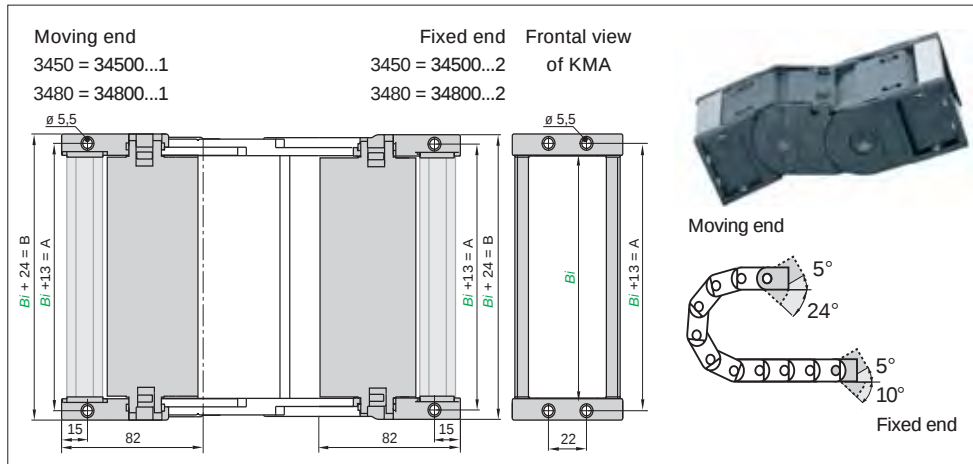


These attachment types are triggered automatically in the choice of the KMA mounting bracket. For the preassembled mode please add index **A** ▶ e.g. 34101.075.12.C**A**



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 1148

For tight installation conditions, all-sides attachment

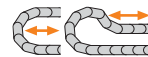


KMA pivoting | All-sides attachment - Universal for e-chains® (Series 3450-3480)
Recommended for unsupported and gliding applications

For width index	Part No. full set with C-profile	Part No. full set without C-profile	Dim. A [mm]	Dim. B [mm]
.050. ▶	34500 34800 .050.12.C	34500 34800 .050.12	63	74
.075. ▶	34500 34800 .075.12.C	34500 34800 .075.12	88	99
.100. ▶	34500 34800 .100.12.C	34500 34800 .100.12	113	124
.115. ▶	34500 34800 .115.12.C	34500 34800 .115.12	128	139
.125. ▶	34500 34800 .125.12.C	34500 34800 .125.12	138	149
.150. ▶	34500 34800 .150.12.C	34500 34800 .150.12	163	174
.175. ▶	34500 34800 .175.12.C	34500 34800 .175.12	188	199
.200. ▶	34500 34800 .200.12.C	34500 34800 .200.12	213	224
.225. ▶	34500 34800 .225.12.C	34500 34800 .225.12	238	249
.250. ▶	34500 34800 .250.12.C	34500 34800 .250.12	263	274



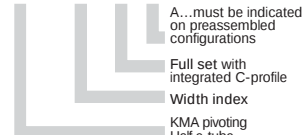
KMA pivoting Part No. 34500... for half e-tube Series 3450
KMA pivoting Part No. 34800... for full e-tube Series 3480



- Bolted connection outside of chain cross-section possible
- For tight installation conditions
- Universally mountable with attachment capability on all sides
- C-profile option
- Option: threaded sockets upon request (KMA = Polymer Metal Mounting Bracket)

Part No. structure (pivoting) - e-tube

34500.075.12.C A



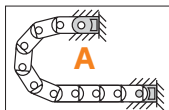
Single-part order

Mounting bracket Moving end

34500.075.1.C A (preassembled + C-profile)

Mounting bracket Fixed end

34500.075.2.C A (preassembled + C-profile)

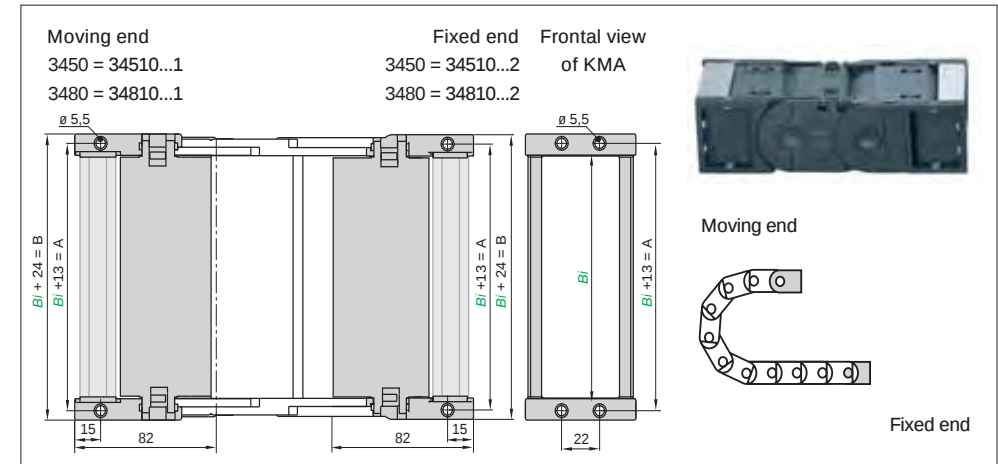


These attachment types are triggered automatically in the choice of the KMA mounting bracket. For the preassembled mode please add index A ▶ e.g. 34500.075.12.C A



Strain relief e.g. clamps, tie-wrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 1148

For very high speed and acceleration, all-sides attachment



KMA locking | All-sides attachment - Universal for e-chains® (Series 3450-3480)
Recommended for vertical hanging and standing applications

For width index	Part No. full set with C-profile	Part No. full set without C-profile	Dim. A [mm]	Dim. B [mm]
.050. ▶	34510 34810 .050.12.C	34510 34810 .050.12	63	74
.075. ▶	34510 34810 .075.12.C	34510 34810 .075.12	88	99
.100. ▶	34510 34810 .100.12.C	34510 34810 .100.12	113	124
.115. ▶	34510 34810 .115.12.C	34510 34810 .115.12	128	139
.125. ▶	34510 34810 .125.12.C	34510 34810 .125.12	138	149
.150. ▶	34510 34810 .150.12.C	34510 34810 .150.12	163	174
.175. ▶	34510 34810 .175.12.C	34510 34810 .175.12	188	199
.200. ▶	34510 34810 .200.12.C	34510 34810 .200.12	213	224
.225. ▶	34510 34810 .225.12.C	34510 34810 .225.12	238	249
.250. ▶	34510 34810 .250.12.C	34510 34810 .250.12	263	274



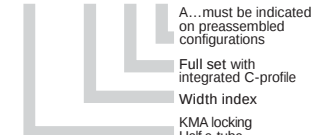
KMA locking Part No. 34510... for half e-tube Series 3450
KMA locking Part No. 34810... for full e-tube Series 3480



- Bolted connection outside of chain cross-section possible
- At very high speed and/or acceleration
- Universally mountable
- C-profile option
- Option: threaded sockets upon request (KMA = Polymer Metal Mounting Bracket)

Part No. structure (locking) - e-tube

34510.075.12.C A



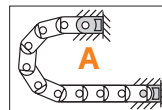
Single-part order

Mounting bracket Moving end

34510.075.1.C A (preassembled + C-profile)

Mounting bracket Fixed end

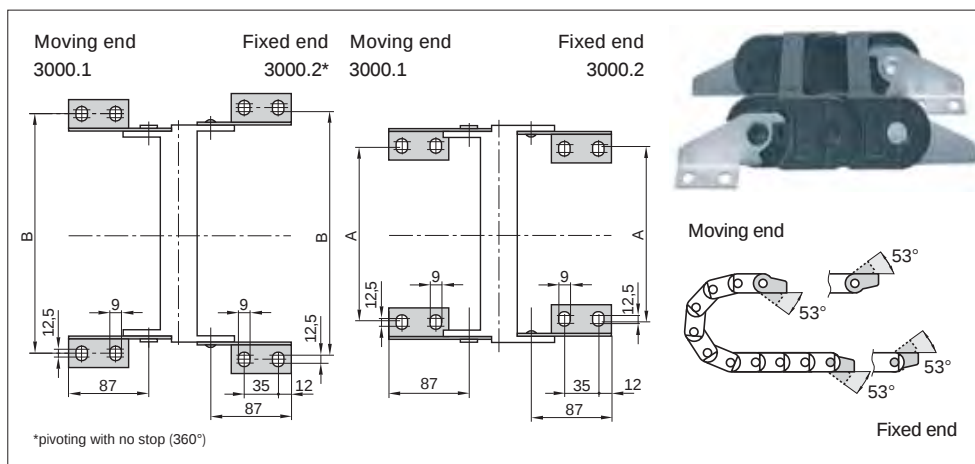
34510.075.2.C A (preassembled + C-profile)



These attachment types are triggered automatically in the choice of the KMA mounting bracket. For the preassembled mode please add index A ▶ e.g. 34510.075.12.C A



Strain relief e.g. clamps, tie-wrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 1148

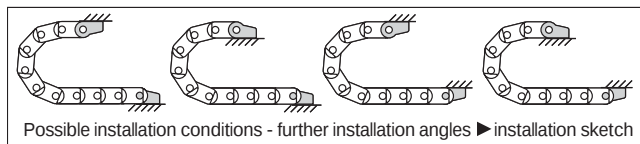


Steel pivoting | For e-chains® and e-tubes

Recommended for unsupported, vertical hanging and standing applications

For width index	Part No. full set	Part No. full set stainless steel**	Dim. A [mm]	Dim. B [mm]
.050. ▶	3000.12	3000.12.E	28	94
.075. ▶	3000.12	3000.12.E	53	119
.100. ▶	3000.12	3000.12.E	78	144
.115. ▶	3000.12	3000.12.E	93	159
.125. ▶	3000.12	3000.12.E	103	169
.150. ▶	3000.12	3000.12.E	128	194
.175. ▶	3000.12	3000.12.E	153	219
.200. ▶	3000.12	3000.12.E	178	244
.225. ▶	3000.12	3000.12.E	203	269
.250. ▶	3000.12	3000.12.E	228	294

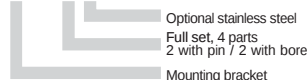
Note: By ordering steel mounting brackets in combination with an e-chain® / e-tube, they will be delivered assembled!



- Pivoting connections
- One part (2-piece) for all e-chain® widths
- Electrically conductive
- Bolted connection outside of chain cross-section possible
- Stainless steel version available (**Material: stainless steel 1.4301 / AISI 304)

Part no. structure

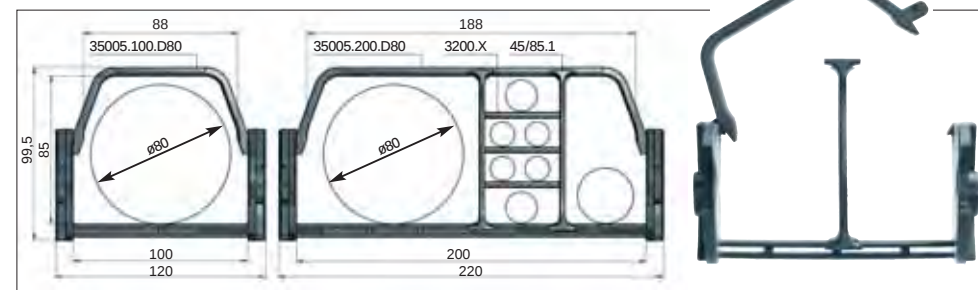
3000.12.E



Single-part order
Mounting bracket Moving end
3000.1 (1 part left / right)
Mounting bracket Fixed end
3000.2 (1 part left / right)



Strain relief e.g. clamps, tie-wrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 1148



Extender crossbars Series 3400-3500-3450 - Enormous increase of the interior for the smooth guiding of larger hoses

- Suitable for hoses with an outer diameter of max. 80 mm
- Optionally openable along the inner or outer radius, swivelling
- Modular interior separation Part No. 45/85.1
- Cable-friendly design of extender crossbar and interior separation
- High holding force of the extender crossbar



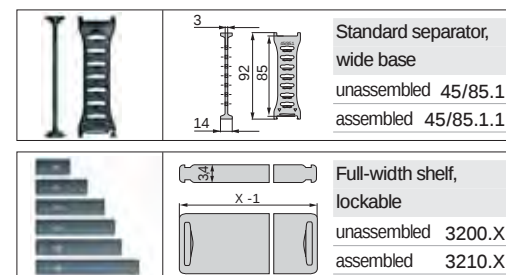
Order example
e-chain® with extender crossbar
snap-open along outer radius,
Bi 100 mm, R 200 mm:
Part No. 3500.100D80.200.0

Extender crossbars for e-chains® snap-open along inner radius	Extender crossbars for e-chains® snap-open along outer radius	Extender crossbars for half e-tubes snap-open along inner radius	Bi [mm]	Ba [mm]	R Bending radii [mm]
3400.100D80.R.0	3500.100D80.R.0	3450.100D80.R.0	100	120	075* 100* 125 150 200 250 300
3400.200D80.R.0	3500.200D80.R.0	3450.200D80.R.0	200	220	075* 100* 125 150 200 250 300

*Radius 075 and 100 only possible with e-chains® Series 3500 !

Supplement Part No. with required radius. Example: 3500.100D80.200.0

Series 3400-3500-3450 | Interior separation for extender crossbars



Standard separator, wide base

For maximum locking strength and safe standing. In standard configuration separators are assembled every 2nd link!

Horizontal separation

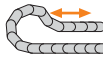
Full-width shelf locks safely into separators on both ends, fixed width possible. Separators can be moved freely over the shelf in horizontal direction. Can be arranged at 7 different heights. Product range ▶ page 467

Optional: Support tray tool kit.

For support of the lower run.

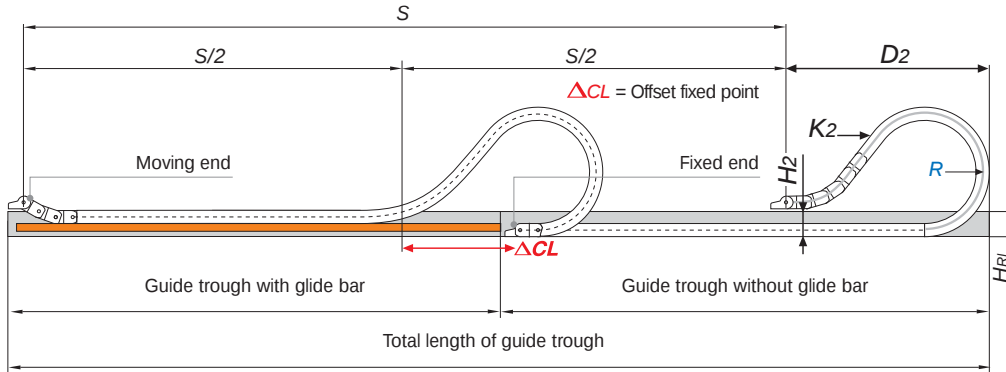
Simple one-piece support trays according to your requirements and specification. Order example - support tray with bracket, length 1,0 m, color black: Part No. S9.021.10.1000.0. The complete range with order options ▶ from page 1258





Gliding applications | For long travels from 10 m to max. 150 m

Solution for long travel applications - In this case the e-chain® upper run will be introduced in a guide trough on the lower run. We recommend to realize the engineering of such a plant by our technicians. **Please note:** For using Series 3400/3450/3480 for long travels (gliding), please consult igus® first. For long travels, igus® specifies Series 3500 that snaps open along the outer radius. In case of travels between 6 and 10 m we recommend a longer unsupported length. More information ► Design, from page 106



$$\text{Pitch} = 67 \text{ mm/link} \cdot \text{Links/m} = 15 (1005 \text{ mm}) \cdot \text{Chain length} = S/2 + K_2$$

R	075*	100*	125	150	200	250	300
H ₂	150	200	186	186	186	186	186
D ₂ ⁺²⁵	208	233	475	570	780	1010	1150
K ₂	370	450	804	1005	1340	1675	1943
ΔCL	—	—	233	303	463	643	733

*Radius for Series 3450/3480 available upon request, please consult igus® for delivery time. **Note:** Before using Series 3400/3450/3480 on long travels, please consult igus®

More solutions | For long travel applications

autoglide 3500.Bi.AG.R - self-guiding, no guide troughs - Travel lengths ≤ 50 m v_{max} 1,5 m/s

Self-guiding e-chainsystems® - no need for guide troughs

guidelok slimline F - Safe vertical guidance for e-chains® - Travels up to 50 m height v_{max} 7 m/s

For hanging applications e.g. high-speed rack feeders up to 7 m/s and 10 m/s². No swinging of the e-chain®, high reliability through lever mechanism and guiding rails. Energy and data and all kinds of media in one single system



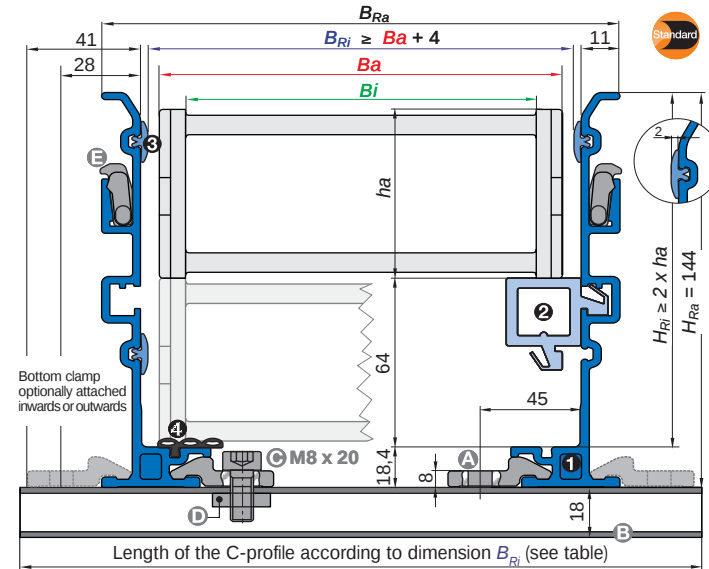
e-chains® for long travels: E4/4HD, P4, autoglide, rol e-chain® ► from page 1264
Special solutions for long travel applications ► from page 1348



H₂ = Mounting height (if the moving end is set lower) K₂ = Further add-on (if the moving end is set lower) ΔCL = Offset fixed point S = Length of travel
D₂ = Over length - long travels, gliding R = Bending radius H_{Ri} = Inner trough height S/2 = Half length of travel

Aluminum SuperTrough | Basic Version

Part No. 973.30 | 973.31 | Trough height: 144 mm



● 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) ④ Optional: Silencer profile, rubber ● Components, installation set "Basic": ① Bottom clamp, aluminum ② C-profile, galvanized steel ► table ③ Screw M8 x 20 ④ Sliding nut M8 ⑤ Interface connector, plastic



Order example: Length of travel 30 m -
Center mounted for Series 3500.075.200.0 with B_{Ri} = 99

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. 973.30.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. 973.31.SL

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

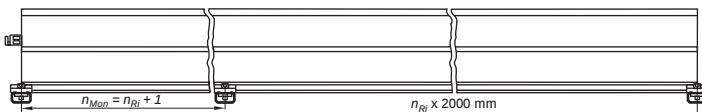
Order text: 17 installation sets Part No. 960.40.175

Module for the fixed end

Order text: 1 set Part No. 973.80

Option: For an additional noise dampening

with silencer profile, please add Index A - Example: Part No. 973.30.SLA



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



Aluminum SuperTrough "Basic" in detail and the
"Heavy-Duty" version for heavy machinery ► from page 1202



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

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
.050	74	upon request	960.40.200
.075	99	upon request	960.40.225
.100	124	960.40.175	960.40.250
.115	139	960.40.200	960.40.275
.125	149	960.40.200	960.40.275
.150	174	960.40.225	960.40.300
.175	199	960.40.250	960.40.325
.200	224	960.40.275	960.40.350
.225	249	960.40.300	960.40.375
.250	274	960.40.325	960.40.400

Insert for the installation set "Heavy-Duty":
973.50.XXX instead of 960.40.XXX on the right column "attached outwards"

+ Small pitch, smooth running

When to use Series 255:

- If a medium-sized, stable e-chain® with a small pitch for very quiet operation and an inner height of 24 mm is required
- If inner widths up to 103 mm are required
- For unsupported lengths up to 1,8 m and fill weights up to 2,0 kg/m
- For long travels up to 100 m
- If snap-open capability of crossbars from both sides is required



When to use a different igus® Series:

- If more stability is required
► System E4.1, Series E4.21, page 626
- For simple applications and easy filling
► easy chain®, Series E200, page 184
- If snap-open capability of links from both sides is required
► System E4.1, Series E4.21, page 626

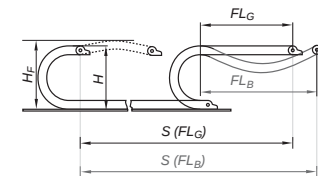
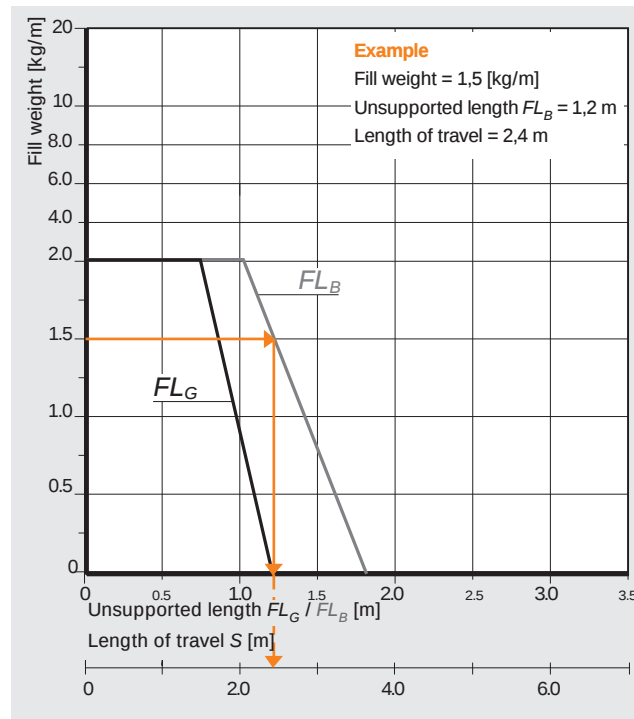
Mounting with or without strain relief

Snap-open along both radii

Large pin for high stability

Lateral glide surfaces

Small pitch for very quiet operation

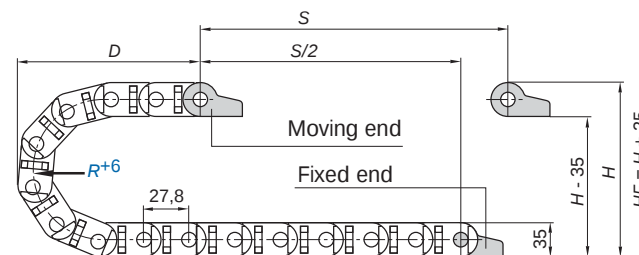


Standard Unsupported applications

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

Gliding applications

Long travels up to 100 m.
More information ► page 486



Technical Data

Speed, material, temperature and flammability class ► page 408

Pitch = 27,8 mm/link
Links/m = 36 (1000,8 mm)
Chain length = $\frac{S}{2} + K$

R	055	075	100	125	150	175	200	225	250
$H+4$	145	185	235	285	335	385	435	485	535
D	114	134	159	184	209	234	259	284	309
K	230	295	370	450	530	610	685	765	845

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



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/255



Series 255 | Snap-open along outer radius

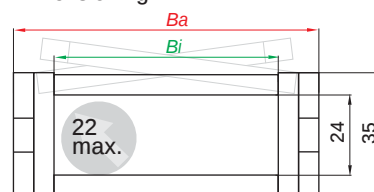
e-chains* snap-open along outer radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	255 [kg/m]
255. 03 .R.0	38	54	055 075 100 125 150 175 200 225 250	≈ 0,81
255. 05 .R.0	57	73	055 075 100 125 150 175 200 225 250	≈ 0,90
255. 07 .R.0	77	93	055 075 100 125 150 175 200 225 250	≈ 1,01
255. 10 .R.0	103	119	055 075 100 125 150 175 200 225 250	≈ 1,15

Supplement Part No. with required radius. Example: 255.10.200.0

 Order key
255. 10. 200. 0



Dimensioning

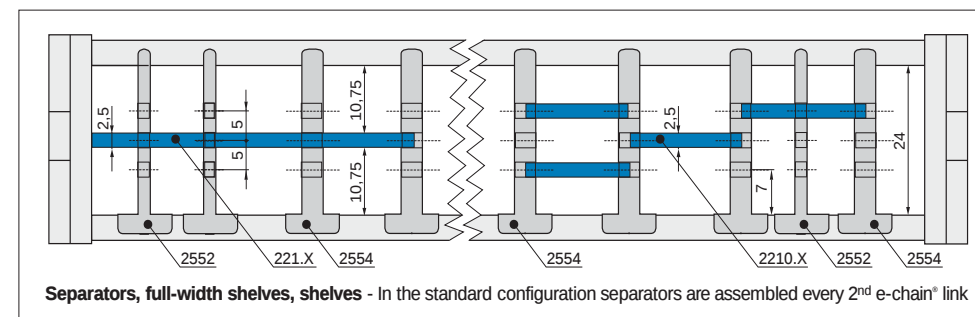


 e-chain* links as single parts, overview ► page 409

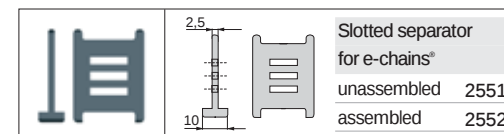
 Configuration options and order keys, overview ► page 410

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

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



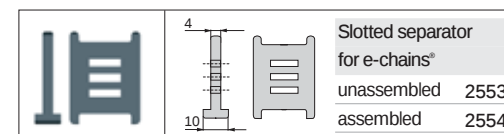
Separators, full-width shelves, shelves - In the standard configuration separators are assembled every 2nd e-chain* link



Slotted separator
for e-chains*

unassembled 2551

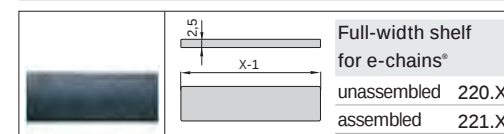
assembled 2552



Slotted separator
for e-chains*

unassembled 2553

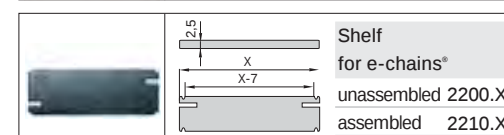
assembled 2554



Full-width shelf
for e-chains*

unassembled 220.X

assembled 221.X



Shelf
for e-chains*

unassembled 2200.X

assembled 2210.X

Standard slotted separator 2551 and slotted separator 2553

Vertical subdivision on e-chains*. Due to its slot, it allows basic vertical/horizontal shelving arrangements (determining which type of separator to use depends on any potential retrofit requirements).

Full-width shelf 220.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).

Shelf 2200.X

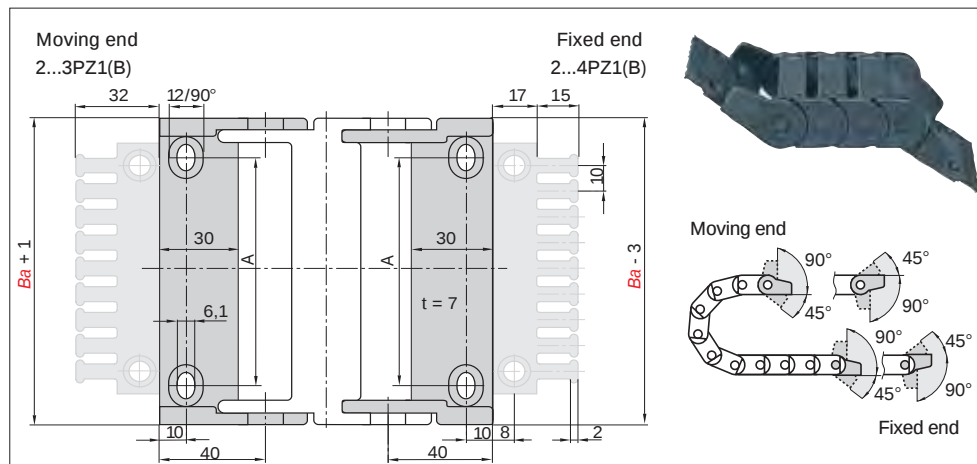
For applications involving many cables with different diameters, shelves can be arranged at alternate heights. They can be arranged at 3 different heights (in 5 mm increments).

Full-width shelves

Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
038	220.38	221.38	077	220.77	221.77
057	220.57	221.57	103	220.103	221.103

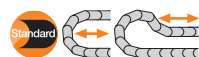
Shelves

Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
018	2200.18	2210.18	048	2200.48	2210.48
023	2200.23	2210.23	058	2200.58	2210.58
028	2200.28	2210.28	068	2200.68	2210.68
033	2200.33	2210.33	073	2200.73	2210.73
038	2200.38	2210.38	088	2200.88	2210.88
043	2200.43	2210.43	099	2200.99	2210.99



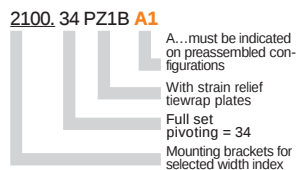
Polymer pivoting | Standard - Universal for e-chains®
Recommended for unsupported and gliding applications

For width index	Part No. full set with tie-wrap plate	Full set with tie-wrap plate + 10 cable tie-wraps	Part No. full set without tie-wrap plate	Dim. A [mm]	Zähnezahl
03.	▶ 2030.34PZ1B	2030.34PZ1BK1	2030.34PZ1	25	4
05.	▶ 2050.34PZ1B	2050.34PZ1BK1	2050.34PZ1	44	6
07.	▶ 2070.34PZ1B	2070.34PZ1BK1	2070.34PZ1	64	8
10.	▶ 2100.34PZ1B	2100.34PZ1BK1	2100.34PZ1	90	10

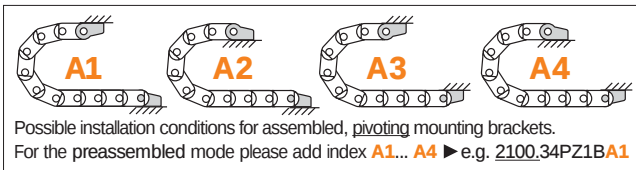


- Standard
- For tight installation conditions
- Strain relief with detachable chainfix tie-wrap plates
- Corrosion resistant
- Variable traverse angle
- Various installation options on the fixed end and/or the moving end

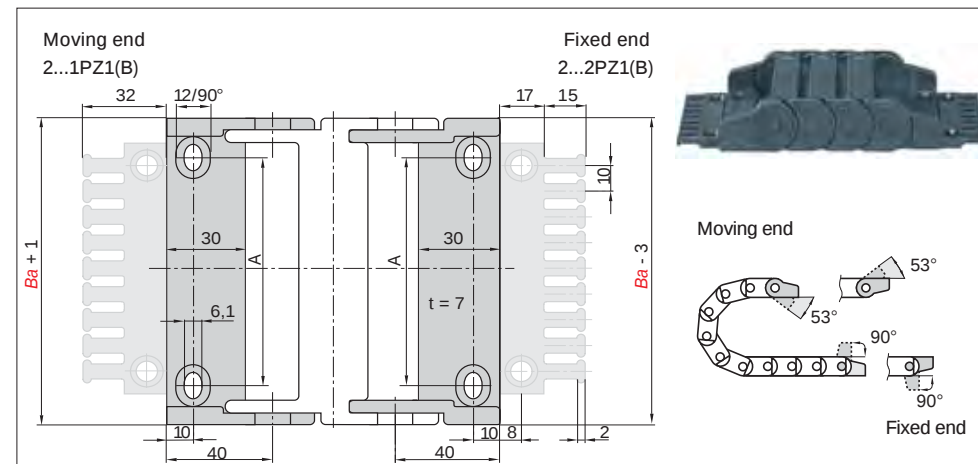
Part No. structure (pivoting)



Single-part order
Mounting bracket Moving end
2100, 3 PZ1B A1 (preassembled + tie-wrap plate)
Mounting bracket Fixed end
2100, 4 PZ1B A1 (preassembled + tie-wrap plate)



Strain relief e.g. clamps, tie-wrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 1148



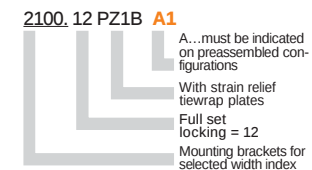
Polymer locking | Universal for e-chains®
Recommended for vertical hanging and standing applications

For width index	Part No. full set with tie-wrap plate	Full set with tie-wrap plate + 10 cable tie-wraps	Part No. full set without tie-wrap plate	Dim. A [mm]	Zähnezahl
03.	▶ 2030.12PZ1B	2030.12PZ1BK1	2030.12PZ1	25	4
05.	▶ 2050.12PZ1B	2050.12PZ1BK1	2050.12PZ1	44	6
07.	▶ 2070.12PZ1B	2070.12PZ1BK1	2070.12PZ1	64	8
10.	▶ 2100.12PZ1B	2100.12PZ1BK1	2100.12PZ1	90	10

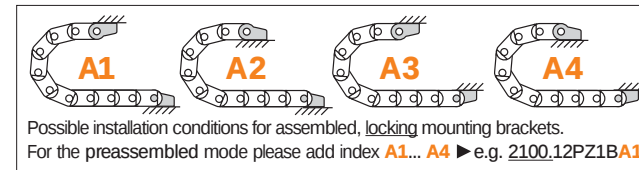


- Locked connections
- At very high speed and/or acceleration
- If space is limited for height (the H_F measurement)
- Various installation options on the fixed end and/or the moving end

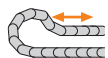
Part No. structure (locking)



Single-part order
Mounting bracket Moving end
2100, 1 PZ1B A1 (preassembled + tie-wrap plate)
Mounting bracket Fixed end
2100, 2 PZ1B A1 (preassembled + tie-wrap plate)

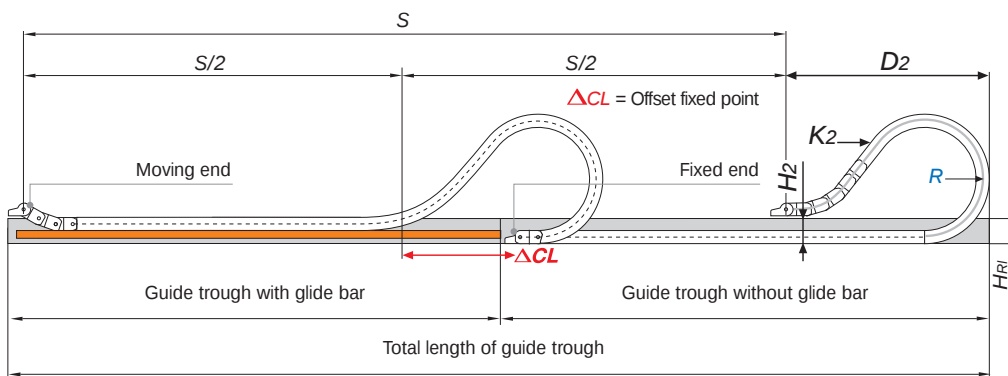


Strain relief e.g. clamps, tie-wrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 1148



Gliding applications | For long travels from 10 m to max. 100 m

Solution for long travel applications - In this case the e-chain® upper run will be introduced in a guide trough on the lower run. We recommend to realize the engineering of such a plant by our technicians. In case of travels between 4 and 10 m we recommend a longer unsupported length. More information ► Design, from page 106



Pitch = 27,8 mm/link · Links/m = 36 (1000,8 mm) · Chain length = $S/2 + K_2$

R	055	075	100	125	150	175	200	225	250
H_2	110	150	100	100	100	100	100	100	100
D_2^{+25}	114	134	380	495	570	665	740	1040	1130
K_2	230	295	612	806	945	1112	1223	1610	1779
ΔCL	—	—	222	322	372	437	497	upon request	822

More solutions | For long travel applications

Ibt flizz® - Enclosed plastic trough - Length of travel ≤ 200 m

v_{max} 8 m/s

High speeds and accelerations. Applicable for moving and stationary control

guidelok slimline F - Safe vertical guidance for e-chains® - Travels up to 50 m height v_{max} 7 m/s

For hanging applications e.g. high-speed rack feeders up to 7 m/s and 10 m/s². No swinging of the e-chain®, high reliability through lever mechanism and guiding rails. Energy and data and all kinds of media in one single system



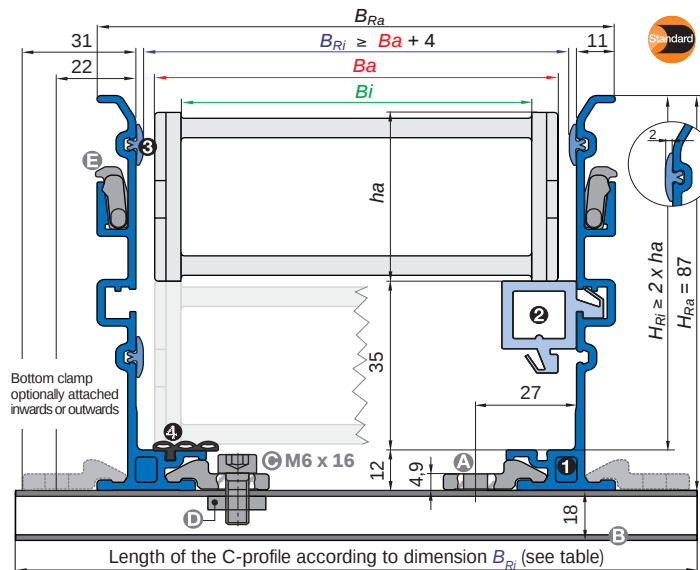
e-chains® for long travels: E4/4HD, P4, autoglide, rol e-chain® ► from page 1264
Special solutions for long travel applications ► from page 1348



H_2 = Mounting height (if the moving end is set lower) K_2 = Further add-on (if the moving end is set lower) ΔCL = Offset fixed point S = Length of travel
 D_2 = Over length - long travels, gliding R = Bending radius H_{Ri} = Inner trough height $S/2$ = Half length of travel

Aluminum SuperTrough | Basic Version

Part No. 971.30 | 971.31 | Trough height: 87 mm



● 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) ④ Optional: Silencer profile, rubber ● Components, installation set "Basic": ① Bottom clamp, aluminum ② C-profile, galvanized steel ► table ③ Screw M6 x 16 ④ Sliding nut M6 ⑤ Interface connector, plastic



Order example: Length of travel 30 m -

Center mounted for Series 255.10.200.0 with $B_{Ri} = 123$

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. 971.30.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. 971.31.SL

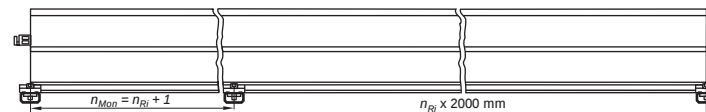
Installation set "Basic" complete (guide trough-sets + 1)

Order text: 17 installation sets Part No. 960.30.175

Option: For an additional noise dampening

with silencer profile, please add Index A - Example: Part No. 971.80

971.30.SLA



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



Aluminum SuperTrough "Basic" in detail and the "Heavy-Duty" version for heavy machinery ► from page 1194



● 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_{inst} = Number of installation sets
● Glide bar Bi = Inner width e-chains® H_{Ri} = Inner trough height n_{tr} = Number of trough sets

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
.03	58	upon request	960.30.150
.05	77	960.30.125	960.30.175
.07	97	960.30.150	960.30.200
.10	123	960.30.175	960.30.225

Insert for the installation set "Heavy-Duty": **971.50.XXX** instead of **960.30.XXX** on the right column "attached outwards"