

igus[®] e-chain- systems[®] universal and modular

clean room

system E4

E2 e-tubes

system E2

zipper

easy chain[®]



Universal:
Mounting bracket with strain relief option

Save time:
Simply press cables in without opening and closing crossbars

Flexible:
Easy to lengthen and shorten at any point

Keep order:
Interior separation possible with moulded in chamber systems (some types)

Cost effective:
Low price with one-piece design

Clean room:
Suitable for clean-room applications

Flexible:
Torsional motions possible

Certification:
UL94-V2 classification

easy chain® - easy to fill and very cost effective

easy chains® are available with exterior (version E) press fit access, as well as interior (version Z) access. The assembly time reductions are a primary reason to choose easy chains®. Their material, igumid NB, presents more application opportunities with: Optimal elasticity, UL94-V2 classification and excellent clean room qualities. Their one-piece design keeps the easy chain® very price-effective

Typical industries and applications

- General machinery
- Clean room applications
- Electronic apparatus
- Office equipment
- Vending machines
- Packaging machines
- Machine tools



Clean room test acc. to Fraunhofer Institute IPA
Standard material - ISO Class 2 acc. to ISO 14644-1
Speed: v = 1,0 m/s and a = 2,0 m/s - Series E14.3.038

Electrically conductive
ESD/ATEX versions upon request

With easy chain® rotatory and torsional motions are possible

42 dB(A) - Value determined at the igus® test-lab: v= 1,0 m/s unsupported, Series E06.10.038.0

UL94-V2 classification

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. length [m]	Page
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easy chain® - Version "E"
simply press cables in
Split crossbar along the outer radius

1-chamber 	E03	5	5 - 10	8,7 - 13,7	8	10 - 28	0,40	142
	E04	7	7	13	10	15 - 48	0,55	144
	E045	9,4	10 - 16	16 - 23	12,5	18 - 38	0,40	146
	E06	10,7	10 - 20	16,5 - 26,5	15	18 - 38	0,55	148
	E065	11,3	16	24,8	15	18 - 38	0,60	150
	E08	14,6	10 - 50	18,2 - 58,2	19,3	28 - 48	1,00	152
	E14	19	15 - 50	27 - 62	25	28 - 125	0,65	154
2-chamber 	E200	24,3	57	74,4	35	55 - 200	1,75	156
	E16	32	23 - 100	37,5 - 115,3	39	60 - 100	1,00	158
	E26	36,5	75	92	50	63 - 250	2,00	160
	E300	48,5	75	95	64	75 - 300	2,25	162
	E045.2	9,4	7 - 9	23 - 27	12,5	18 - 38	0,40	146
	E065.2	11,3	9	29,3	15	18 - 38	0,60	150
	E200.2	24,3	37 - 50	94,4 - 120,4	35	55 - 200	1,75	156
3-chamber 	E26.2	37,1	48	117	50	63 - 250	2,00	160
	E300.2	48,5	48	120	64	75 - 300	2,25	162
	E045.3	9,4	9	37	12,5	18 - 38	0,40	146
4-chamber 	E065.3	11,3	9	39,3	15	18 - 38	0,60	150
	E26.3	37,1	47	167	50	63 - 250	2,00	160
	E300.3	48,5	46	170	64	75 - 300	2,25	162
E065.4	11,3	9	49,3	15	18 - 38	0,60	150	



easy chain® - Version "Z"
simply press cables in
Split crossbar along the inner radius

1-chamber 	Z045	9,4	16	23	12,5	18 - 38	0,40	146
	Z06	10,5	10 - 20	16,5 - 26,5	15	18 - 38	0,55	148
	Z08	14,6	10 - 50	18,2 - 58,2	19,3	28 - 48	1,00	152
	Z14	19	15 - 50	27 - 62	25	28 - 125	0,65	154
	Z200	24,3	57	74,4	35	55 - 200	1,75	156
	Z16	32	23 - 100	37,5 - 115,3	39	40 - 100	1,00	158
	Z26	36,5	75	92	50	63 - 250	2,00	160
2-chamber 	Z300	48,5	75	95	64	75 - 300	2,25	162
	Z045.2	9,4	16	23	12,5	18 - 38	0,40	146
	Z200.2	24,3	37 - 50	94,4 - 120,4	35	55 - 200	1,75	156
3-chamber 	Z26.2	37,1	48	117	50	63 - 250	2,00	160
	Z300.2	48,5	48	120	64	75 - 300	2,25	162
	Z045.3	9,4	9	37	12,5	18 - 38	0,40	146
4-chamber 	Z065.3	11,3	9	39,3	15	18 - 38	0,60	150
	Z26.3	37,1	47	167	50	63 - 250	2,00	160
	E300.3	48,5	46	170	64	75 - 300	2,25	162



Technical Data

	Gliding speed / acceleration (maximum)	max. 3 [m/s] / max. 10 [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]
	e-chain® material - permitted temperature °C, igumid NB	-40° up to +80° C
	Mounting brackets* material - permitted temperature °C, igumid G	-40° up to +120° C
	Flammability class: igumid NB = VDE 0304 IIC UL94-V2 / igumid G = VDE 0304 IIC UL94-HB	

■ FL_G = with straight upper run ■ FL_B = with permitted sag *Available in igumid NB upon request, please consult igus® for delivery time

Installation methods overview, maximum travels

e-chain® Series	Unsupported application	Vertical hanging	Vertical standing	Side mounted unsupported	Rotary application	Zig-zag application
E03	≤ 0,40 m	upon request	upon request	upon request	with rework	upon request
E04	≤ 0,55 m	upon request	upon request	upon request	with rework	upon request
E045/Z045	≤ 0,40 m	upon request	upon request	upon request	with rework	upon request
E06/Z06	≤ 0,55 m	upon request	upon request	upon request	with rework	upon request
E065/Z065	≤ 0,60 m	upon request	upon request	upon request	with rework	upon request
E08/Z08	≤ 1,00 m	upon request	upon request	upon request	with rework	upon request
E14/Z14	≤ 0,65 m	upon request	upon request	upon request	with rework	upon request
E200/Z200	≤ 1,75 m	≤ 10 m	≤ 1,5 m	≤ 0,5 m	with rework	upon request
E16/Z16	≤ 2,00 m	≤ 10 m	≤ 1,5 m	≤ 0,5 m	with rework	upon request
E26/Z26	≤ 2,00 m	≤ 10 m	≤ 1,5 m	≤ 0,5 m	with rework	upon request
E300/Z300	≤ 2,25 m	≤ 10 m	≤ 1,5 m	≤ 0,5 m	with rework	upon request

Options with order keys based on Series E200

	Standard	NC-Version - (no camber) without pretension	Reverse bending radius for circular movements	ESD / ATEX classified e-chains® II 2 GD
	Part No. Standard e-chains®	Part No. NC-Version e-chains®	Part No. RBR e-chains®	Part No. ESD-Material e-chains®
	E200.05.R.0	E200.05.R.0.NC	E200.05.R1/R2.0	E200.05.R.0.ESD
	Delivery from stock	Delivery time: upon request	Delivery time: upon request	Delivery time: upon request

Order example | Order key and color options based on Series E200

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

e-chain® (1,0 m)	Please indicate e-chain® length or number of links: 1,0 m or 22 links	E200.05.100.0
+ Mounting brackets	1 set (+ tiwrap plates)	2050.34PZB
Order text: 1,0 m E200.05.100.0 + 2050.34PZB		

Order key

Version "E" Split crossbar along outer radius	E200.05.100.0
Version "Z" Split crossbar along outer radius	Z200.05.100.0
Version "E" or "Z" Series / Type	
Width index (depends on B)	
Bending radius R	
Color index (standard black)	

General igus® 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: upon request

E200.05.100.0 = Version "E" - split crossbar along the outer radius, inner width **BI57** mm, radius **R 100** mm, color black
Z200.05.100.0 = Version "Z" - split crossbar along the inner radius, inner width **BI57** mm, radius **R 100** mm, color black



Series E03 | Split crossbar along the outer radius

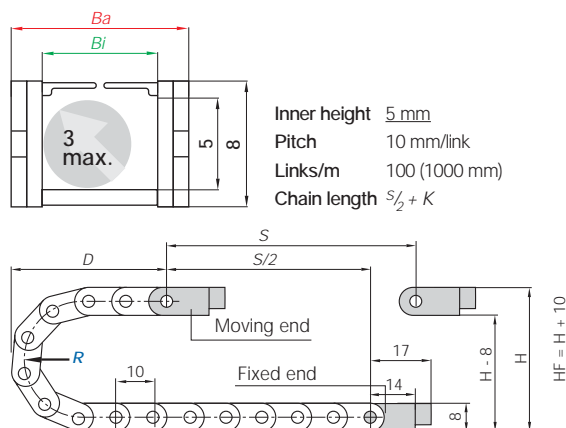
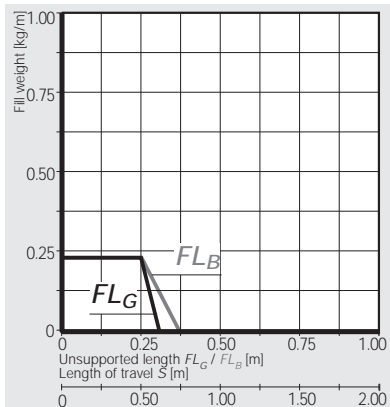
Split crossbar along outer radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/m]
E03.05 .R.0 ¹⁾	5	8,7	010 012 015 018 028	≈ 0,03
E03.07 .R.0 ²⁾	7	10,7	010 012 015 018 028	≈ 0,04
E03.10 .R.0 ²⁾	10	13,7	010 012 015 018 028	≈ 0,05

1) Crossbars do not overlap. Gap = 1 mm / 2) Crossbars do not overlap. Gap = 2 mm

Supplement Part No. with required radius (*R*) Example: E03.05.028.0

Ba: pin dimension approx. 0,1 - 0,3 mm wider.

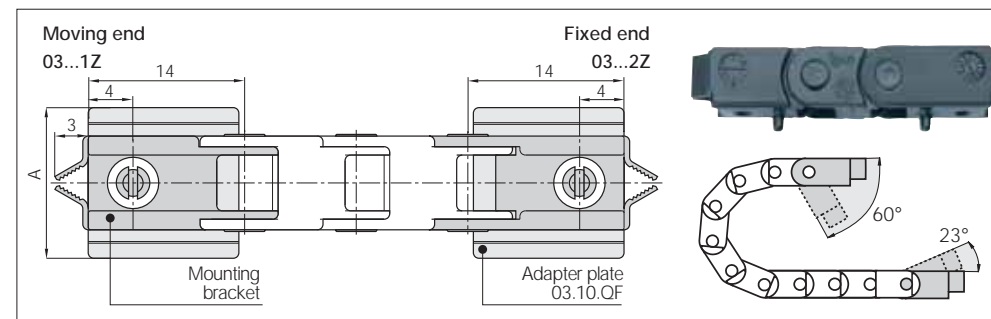
Dimensions



<i>R</i>	010	012	015	018	028
<i>H</i>	28	32	38	44	64
<i>D</i>	29	31	34	37	47
<i>K</i>	55	60	70	80	110

The required clearance height: $H_F = H + 10$ mm (with 0,1 kg/m fill weight)

Mounting brackets, polymer one-piece | pivoting

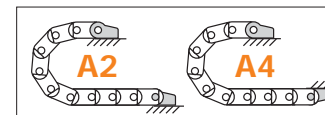


Width Index	Part No. full set	Dim A [mm]
.05.	03.05.12Z	8,7
.07.	03.07.12Z	10,7
.10.	03.10.12Z	13,7

Material mounting bracket - igumid G, temperature: -40° up to +120° C, VDE 0304 IIC UL94-HB

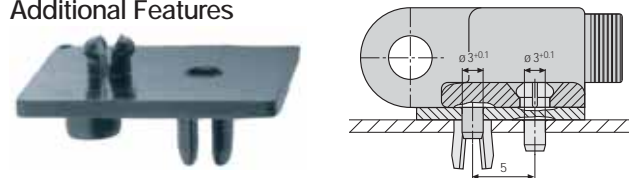
Part No. structure

03.05.12Z A2



Possible installation conditions for assembled mounting brackets.
For the **preassembled** mode please add index **A2** or **A4**.

Additional Features



Adapter plate for rapid installation: for all sizes of Part No. 03.10.QF

The adapter has broken edges so that it can be adapted to the respective chain width. It is not absolutely necessary when attaching the mounting brackets. The mounting brackets can also be screwed on without the adapter plate.



Series E04 | Split crossbar along the outer radius

Split crossbar along outer radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
E04.07.R.0 ¹⁾	7	13	015 018 028 038 048	≈ 0,08

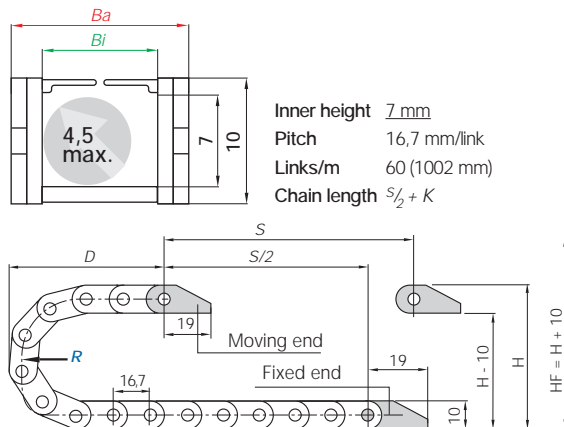
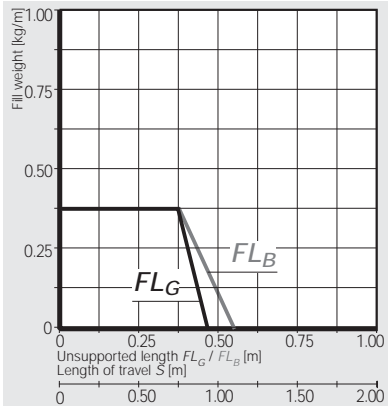
1) Crossbars do not overlap. Gap = 2,5 mm

Special solution with opening gap 0,8 mm: Part No. E04.07.015.0.S

Supplement Part No. with required radius (R) Example: E04.07.028.0

Ba: pin dimension approx. 0,1 - 0,3 mm wider.

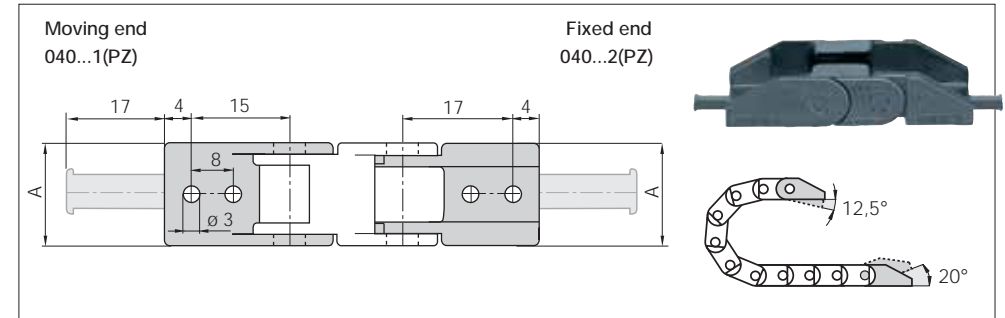
Dimensions



R	015	018	028	038	048
H	40	46	66	86	106
D	45	48	58	68	78
K	85	90	125	155	185

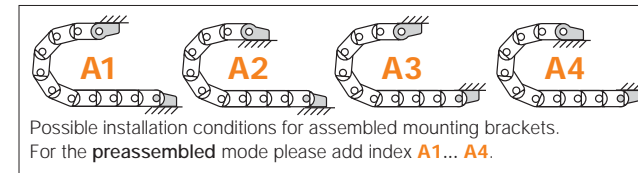
The required clearance height: $H_F = H + 10$ mm (with 0,1 kg/m fill weight)

Mounting brackets, polymer one-piece | pivoting | More features ▶ www.igus.co.uk/en/E04



Width Index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	Dim A [mm]	Number of teeth
.07. ▶	040.07.12PZ	040.07.12	12	1




Material mounting bracket - igumid G, temperature: -40° up to +120° C, VDE 0304 IIC UL94-HB



Part No. structure
040.07. 12 PZ A2
A... must be indicated on preassembled configurations
With strain relief tiewrap plates
Full set
Mounting bracket for selected width index

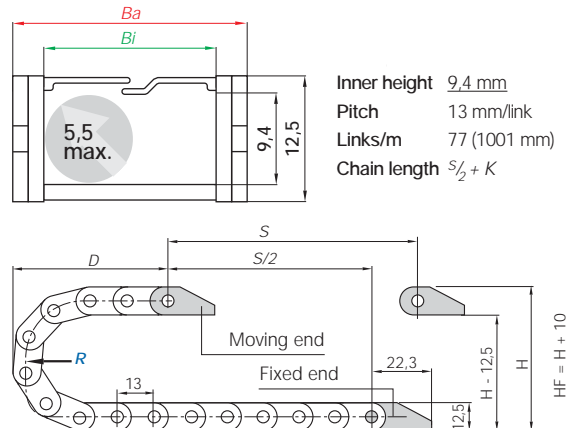
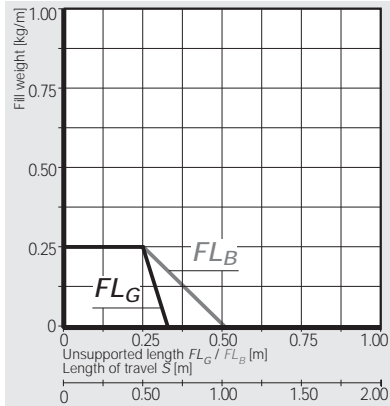


Series E045 | Split crossbar along the outer radius | 1 / 2 / 3-chamber system
Series Z045 | Split crossbar along the inner radius | 1 / 2-chamber system

Chamber system	Split crossbar along outer radius	Split crossbar along inner radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
1-chamber 	E045.10.R.0 ¹⁾	Z045.10.R.0 ¹⁾ *	10	16	018 028 038	≈ 0,09
	E045.16.R.0	Z045.16.R.0	16	23	018 028 038	≈ 0,11
1) Crossbars do not overlap. Gap = 2 mm *Width available upon request, please consult igus® for delivery time						
2-chamber 	E045.2/7.R.0 ²⁾	Z045.2/7.R.0 ²⁾	7 / 7	23	018 028 038	≈ 0,13
	E045.2/9.R.0 ²⁾	Z045.2/9.R.0 ²⁾ *	9 / 9	27	018 028 038	≈ 0,14
2) Crossbars do not overlap. Gap = 2,25 mm *Width available upon request, please consult igus® for delivery time						
3-chamber 	E045.3/9.R.0 ³⁾	Z045.3/9.R.0 ³⁾ *	9 / 9 / 9	37	018 028 038	≈ 0,17
3) Crossbars do not overlap. Gap = 2,25 mm *Width available upon request, please consult igus® for delivery time						

Supplement Part No. with required radius (R) Example: E045.16.038.0 Ba: pin dimension approx. 0,1 - 0,3 mm wider.

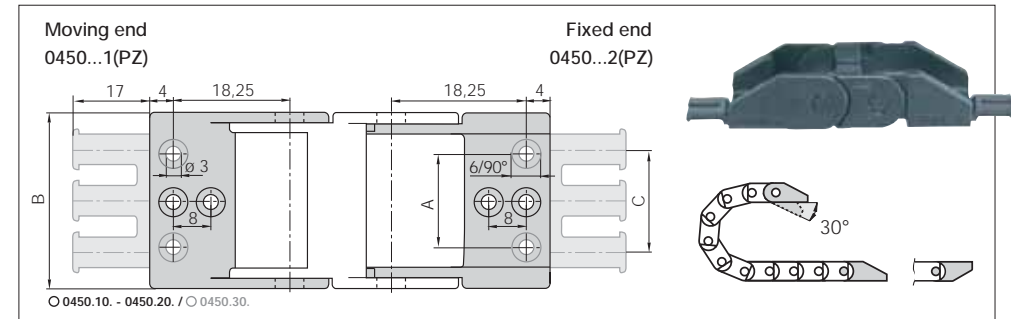
Dimensions



R	018	028	038
H	48,5	68,5	88,5
D	44	54	64
K	85	115	150

The required clearance height: $H_f = H + 10$ mm (with 0,1 kg/m fill weight)

Mounting brackets, polymer one-piece | one side pivoting



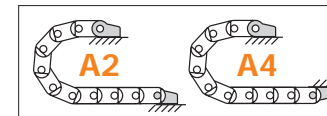
Width Index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	Dim A [mm]	Dim B [mm]	Dim C [mm]	Number of teeth
.10.	0450.10.12PZ	0450.10.12	-	16	-	1
.16.	0450.16.12PZ	0450.16.12	-	22	10	2
.2/7.	0450.16.12PZ	0450.16.12	-	22	10	2
.2/9.	0450.20.12PZ	0450.20.12	-	26	10	2
.3/7.	0450.30.12PZ	0450.30.12	22	36	20	3

Material mounting bracket - igumid G, temperature: -40° up to +120° C, VDE 0304 IIC UL94-HB

Mounting bracket with strain relief tiewrap plate has reductions of $\varnothing 3$ mm / $\varnothing 6$ mm, 90°.

Mounting bracket without strain relief tiewrap plate only has holes of $\varnothing 3$ mm.

○ Drilling pattern for width index: 0450.10 - 0450.20. center bores only / ○ 0450.30. outer bores only (see figure above)



Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index **A2** or **A4**.

Part No. structure

0450.10.12PZ **A2** A... must be indicated on preassembled configurations
 With strain relief tiewrap plates
 Full set
 Mounting bracket for selected width index



Series E06 | Split crossbar along the outer radius
Series Z06 | Split crossbar along the inner radius

Split crossbar along outer radius	Split crossbar along inner radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
E06.10 .R.0 ¹⁾	Z06.10 .R.0 ¹⁾	10	16,5	018 028 038	≈ 0,14
E06.16 .R.0 ¹⁾	Z06.16 .R.0 ¹⁾	16	22,5	018 028 038	≈ 0,16
E06.20 .R.0	Z06.20 .R.0	20	26,5	018 028 038	≈ 0,18

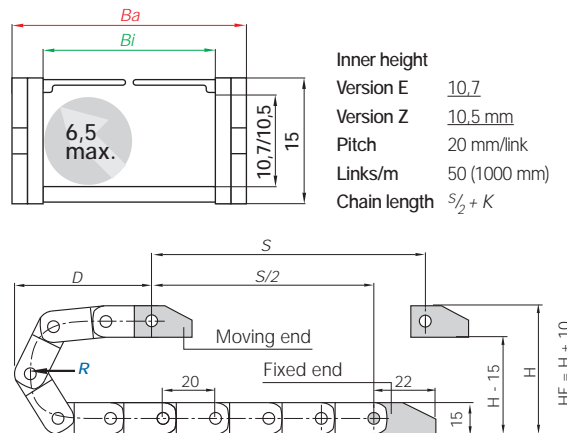
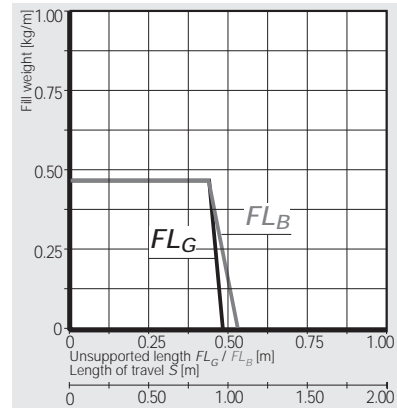
1) Crossbars do not overlap. Gap = 5,5 mm

Special solution with opening gap 3.5 mm: Part No. E06.10.018.0.S3

Supplement Part No. with required radius (R) Example: E06.10.028.0

Ba: pin dimension approx. 0,2 - 0,4 mm wider.

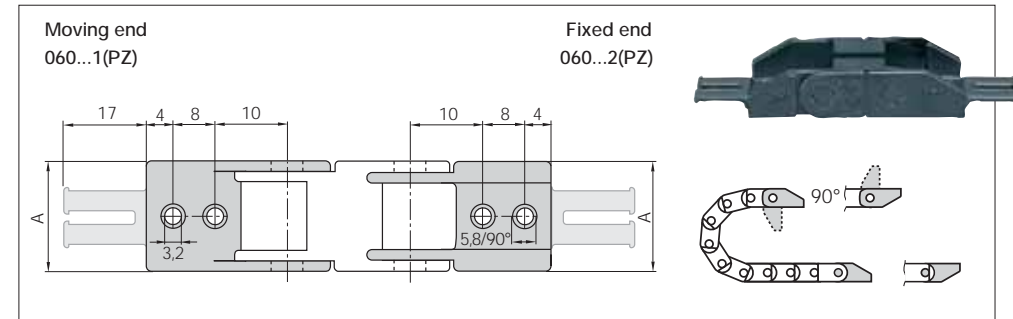
Dimensions



R	018	028	038
H	51	71	91
D	56	66	76
K	100	130	160

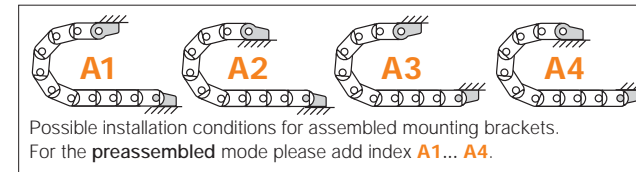
The required clearance height: $H_F = H + 10$ mm (with 0,2 kg/m fill weight)

Mounting brackets, polymer one-piece | locking | More features ▶ www.igus.co.uk/en/E06



Width Index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	Dim A [mm]	Number of teeth
.10.	060.10.12PZ	060.10.12	16,5	1
.16.	060.16.12PZ	060.16.12	22,5	2
.20.	060.20.12PZ	060.20.12	27,0	2

Material mounting bracket - igumid G, temperature: -40° up to +120° C, VDE 0304 IIC UL94-HB

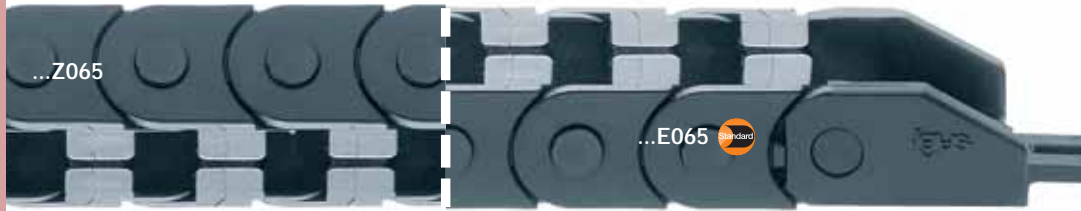


Possible installation conditions for assembled mounting brackets.
For the preassembled mode please add index A1... A4.

Part No. structure

060.10. 12 PZ A1

- A... must be indicated on preassembled configurations
- With strain relief tiewrap plates
- Full set
- Mounting bracket for selected width index

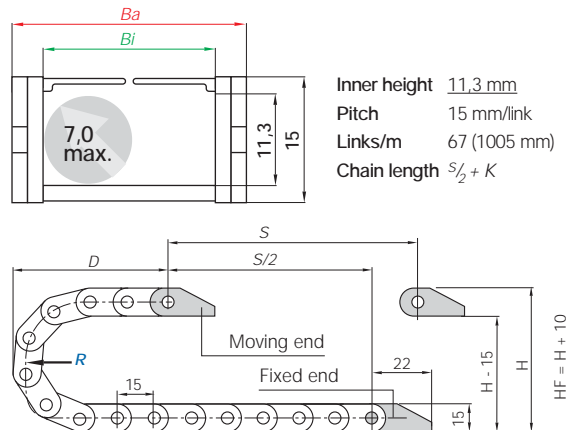
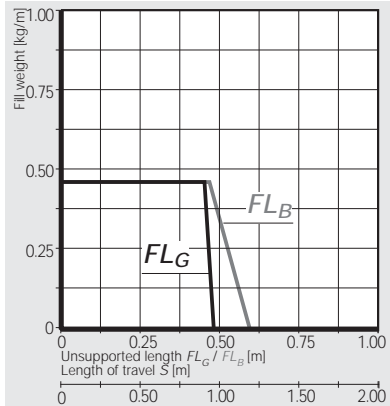


Series E065 | Split crossbar along the outer radius | 1 / 2 / 3 / 4-chamber system
Series Z065 | Split crossbar along the inner radius | 3-chamber system

Chamber system	Split crossbar along outer radius	Split crossbar along inner radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
1-chamber	E065.16.R.0 ¹⁾	Z065.16.R.0 ¹⁾ *	16	24,8	018 028 038	≈ 0,17
1) Crossbars do not overlap. Gap = 2,5 mm *Width available upon request, please consult igus* for delivery time						
2-chamber	E065.2/9.R.0 ²⁾	Z065.2/9.R.0 ²⁾ *	9 / 9	29,3	018 028 038	≈ 0,19
2) Crossbars do not overlap. Gap = 2,5 mm *Width available upon request, please consult igus* for delivery time						
3-chamber	E065.3/9.R.0 ³⁾	Z065.3/9.R.0 ³⁾	9 / 9 / 9	39,3	018 028 038	≈ 0,22
3) Crossbars do not overlap. Gap = 2,5 mm *Width available upon request, please consult igus* for delivery time						
4-chamber	E065.4/9.R.0 ⁴⁾	Z065.4/9.R.0 ⁴⁾ *	9 / 9 / 9 / 9	49,3	018 028 038	≈ 0,25
4) Crossbars do not overlap. Gap = 2,5 mm *Width available upon request, please consult igus* for delivery time						

Supplement Part No. with required radius (R) Example: **E065.16.038.0** Ba: pin dimension approx. 0,2 - 0,4 mm wider.

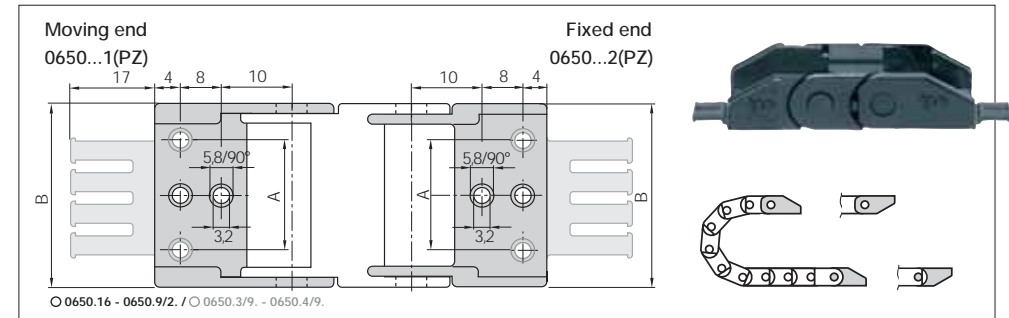
Dimensions



R	018	028	038
H	51	71	91
D	48	58	68
K	90	120	150

The required clearance height: $H_F = H + 10$ mm (with 0,2 kg/m fill weight)

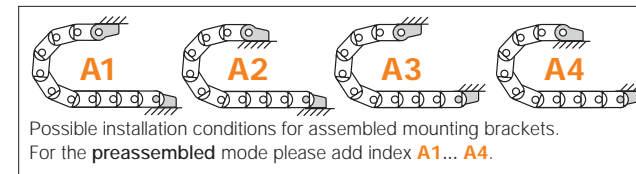
Mounting brackets, polymer one-piece | locking | More features ▶ www.igus.co.uk/en/E065



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
.16. ▶	0650.16.12PZ	0650.16.12	-	22,5	2
.2/9. ▶	0650.2/9.12PZ	0650.2/9.12	-	27	2
.3/9. ▶	0650.3/9.12PZ	0650.3/9.12	22	37	3
.4/9. ▶	0650.4/9.12PZ	0650.4/9.12	32	47	4

Material mounting bracket - igumid G, temperature: -40° up to +120° C, VDE 0304 IIC UL94-HB

○ Drilling pattern for width index: 0650.16 - 0650.9/2. center bores only / ○ 0650.3/9. - 0650.4/9 outer bores only (see figure above)



Part No. structure
0650.16. 12 PZ A2

A... must be indicated on preassembled configurations
With strain relief tiewrap plates
Full set
Mounting bracket for selected width index

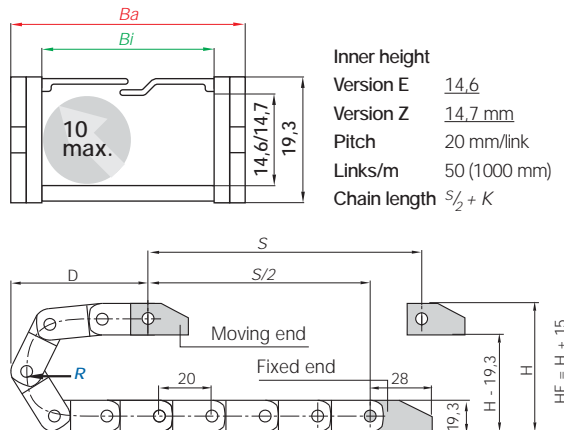
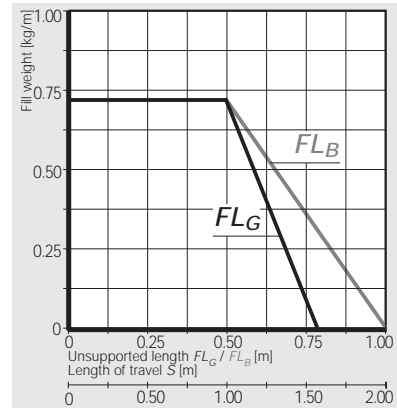


Series E08 | Split crossbar along the outer radius
Series Z08 | Split crossbar along the inner radius

Split crossbar along outer radius	Split crossbar along inner radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
E08.10 .R.0 ¹⁾	Z08.10 .R.0 ¹⁾	10	18,2	025* 028 038 048	≈ 0,21
E08.16 .R.0 ²⁾	Z08.16 .R.0 ²⁾	16	24,2	025* 028 038 048	≈ 0,24
E08.20 .R.0	Z08.20 .R.0	20	28,2	025* 028 038 048	≈ 0,25
E08.30 .R.0	Z08.30 .R.0	30	38,2	025* 028 038 048	≈ 0,28
E08.40 .R.0	Z08.40 .R.0	40	48,2	025* 028 038 048	≈ 0,31
E08.50 .R.0	Z08.50 .R.0	50	58,2	025* 028 038 048	≈ 0,37

1) Crossbars do not overlap. Gap = 5,5 mm / 2) Crossbars do not overlap. Gap = 4,0 mm *Radius available upon request, please consult igus® for delivery time
Supplement Part No. with required radius (R) Example: E08.10.028.0 Ba: pin dimension approx. 0,3 - 0,5 mm wider.

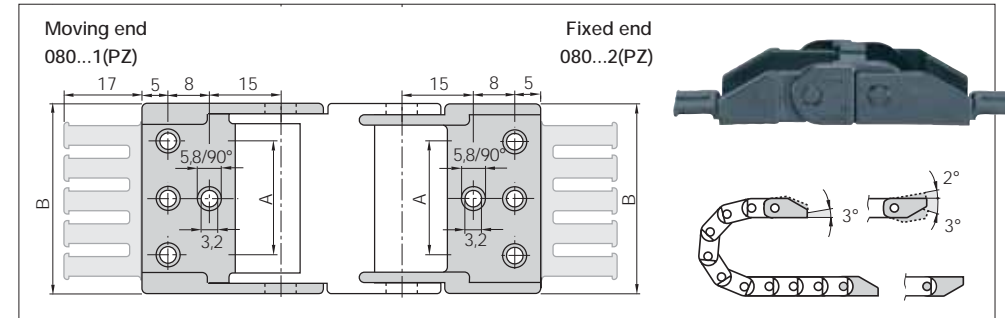
Dimensions



R	025*	028	038	048
H	69	75	95	115
D	65	68	78	88
K	120	130	160	195

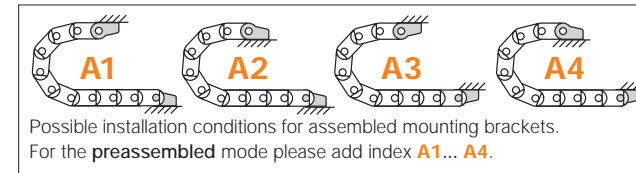
The required clearance height: $H_F = H + 15$ mm (with 0,3 kg/m fill weight)
*Radius available upon request, please consult igus® for delivery time

Mounting brackets, polymer one-piece | locking | More features ▶ www.igus.co.uk/en/08

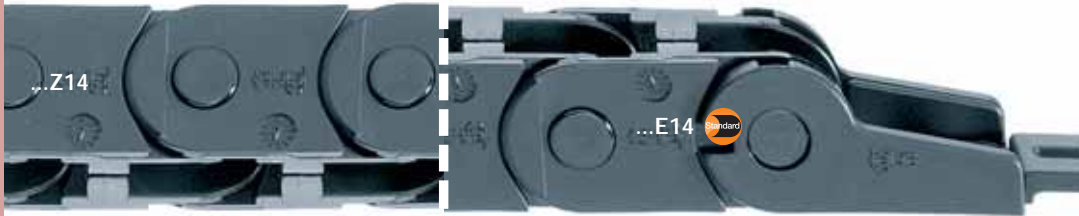


Width Index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	Dim A [mm]	Dim B [mm]	Number of teeth
.10. ▶	080.10.12PZ	080.10.12	-	18,2	1
.16. ▶	080.16.12PZ	080.16.12	-	24,2	2
.20. ▶	080.20.12PZ	080.20.12	-	28,2	2
.30. ▶	080.30.12PZ	080.30.12	22	38,2	3
.40. ▶	080.40.12PZ	080.40.12	32	48,2	4
.50. ▶	080.50.12PZ	080.50.12	42	58,2	5

Material mounting bracket - igumid G, temperature: -40° up to +120° C, VDE 0304 IIC UL94-HB
Drilling pattern for width index: 080.10. - 080.20. center bores only / 080.30. - 080.50. all bores (see figure above)



Part No. structure
080.10.12 PZ A2 A... must be indicated on preassembled configurations
With strain relief tiewrap plates
Full set
Mounting bracket for selected width index



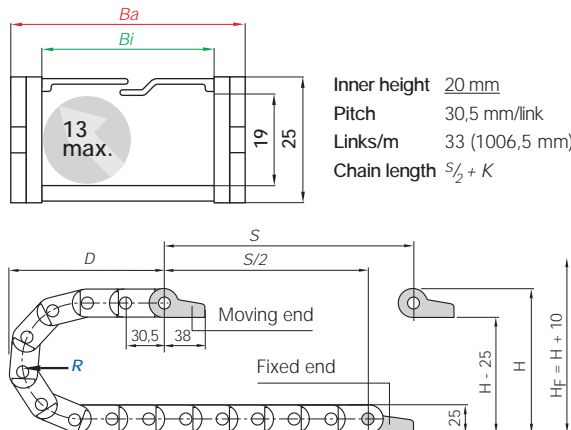
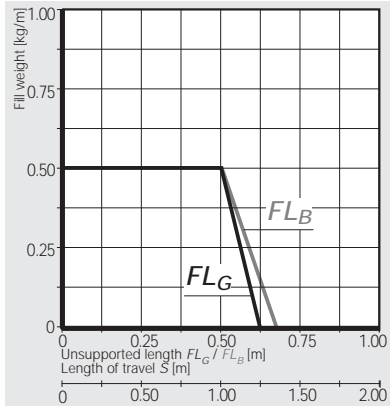
Series E14 | Split crossbar along the outer radius
Series Z14 | Split crossbar along the inner radius

 Split crossbar along outer radius	Split crossbar along inner radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/m]
E14. 1 .R.0	Z14. 1 .R.0	15	27	028 038 048 075 100 125	≈ 0,31
E14. 2 .R.0	Z14. 2 .R.0	25	37	028 038 048 075 100 125	≈ 0,32
E14. 3 .R.0	Z14. 3 .R.0	38	50	028 038 048 075 100 125	≈ 0,40
E14. 4 .R.0	Z14. 4 .R.0	50	62	028 038 048 075 100 125	≈ 0,44

Supplement Part No. with required radius (*R*) Example: E14.1.028.0

Ba: pin dimension approx. 0,3 - 0,5 mm wider.

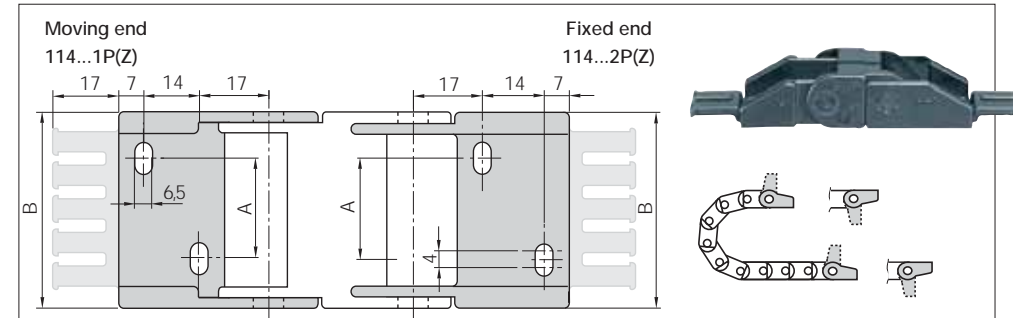
Dimensions




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

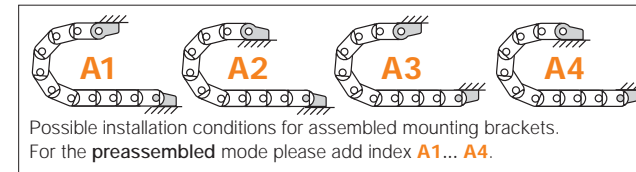
The required clearance height: $H_F = H + 10$ mm (with 0,2 kg/m fill weight)

Mounting brackets, polymer one-piece | locking | More features ▶ www.igus.co.uk/en/E14



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, temperature: -40° up to +120° C, VDE 0304 IIC UL94-HB



Part No. structure
114.2. 12 PZ **A1**
A... must be indicated on preassembled configurations
With strain relief tiewrap plates
Full set
Mounting bracket for selected width index

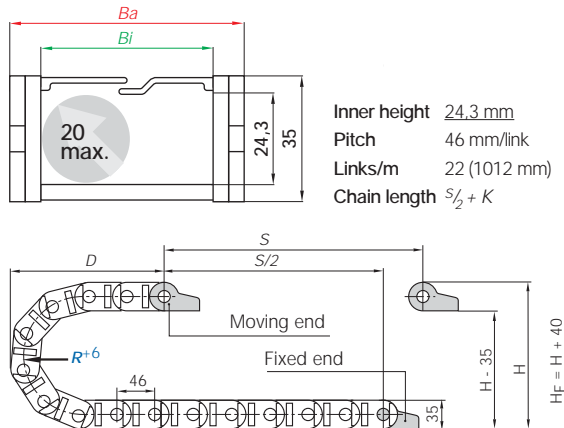
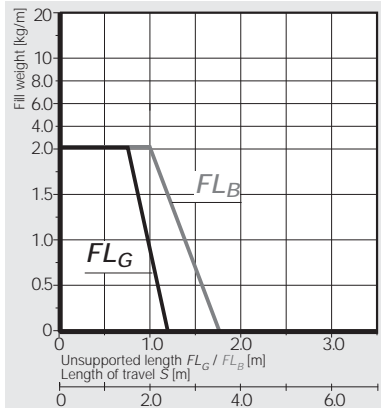


Series E200 | Split crossbar along the outer radius | 1 / 2-chamber system
Series Z200 | Split crossbar along the inner radius | 1 / 2-chamber system

Chamber system	Split crossbar along outer radius	Split crossbar along inner radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
1-chamber	E200.05.R.0	Z200.05.R.0	57	74,4	055 075 100 150 200	≈ 0,70
2-chamber	E200.2/35.R.0	Z200.2/35.R.0	37/37	94,4	055 075 100 150 200	≈ 0,79
	E200.2/50.R.0	Z200.2/50.R.0	50/50	120,4	055 075 100 150 200	≈ 0,82

Supplement Part No. with required radius (R) Example: E200.05.150.0 Ba: pin dimension approx. 0,1 - 0,3 mm wider.

Dimensions

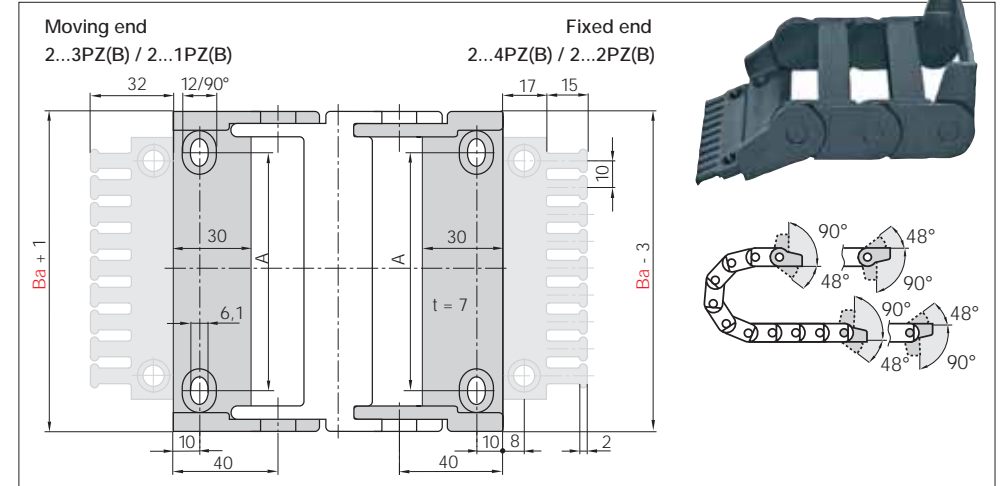


R	055	075	100	150	200
H + 4	145	185	235	335	435
D	142	162	187	237	287
K	265	330	410	565	725

The required clearance height: $H_F = H + 40$ mm (with 2,0 kg/m fill weight)



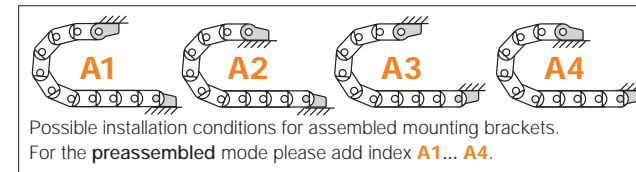
Mounting brackets, polymer | pivoting | locking



Width Index	Part No. full set pivoting:		Part No. full set locking:		Dim A [mm]	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates		
.05	2050.34PZB	2050.34PZ	2050.12PZB	2050.12PZ	44	6
.2/35	2070.34PZB	2070.34PZ	2070.12PZB	2070.12PZ	64	8
.2/50	2100.34PZB	2100.34PZ	2100.12PZB	2100.12PZ	90	10

Material mounting bracket - igumid G, temperature: -40° up to +120° C, VDE 0304 IIC UL94-HB

Full set with tiewrap plate + 10 cable tiewraps, please add index K1 ▶ e.g. 2050.34PZBK1




Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index A1... A4.

Part No. structure
2050. 34 PZB A1

- A... must be indicated on preassembled configurations
- With strain relief tiewrap plates
- Full set pivoting
- Mounting bracket for selected width index



Series E16 | Split crossbar along the outer radius
Series Z16 | Split crossbar along the inner radius

 Split crossbar along outer radius	Split crossbar along inner radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/m]
E16. 2 .R.0 ¹⁾	Z16. 2 .R.0	23	37,5	[040 ¹⁾] 060 075 100 125*	≈ 0,51
E16. 3 .R.0	Z16. 3 .R.0 ¹⁾	36	50,5	[040 ¹⁾] 060 075 100 125*	≈ 0,57
E16. 4 .R.0	Z16. 4 .R.0 ¹⁾	48	62,5	[040 ¹⁾] 060 075 100 125*	≈ 0,62
E16. 5 .R.0	Z16. 5 .R.0	63	78,5	[040*] 060 075 100 125*	≈ 0,75
E16. 6 .R.0	Z16. 6 .R.0	80	95,5	[040*] 060 075 100 125*	≈ 0,83
E16. 7 .R.0	Z16. 7 .R.0	100	115,3	[040*] 060 075 100 125*	≈ 0,91

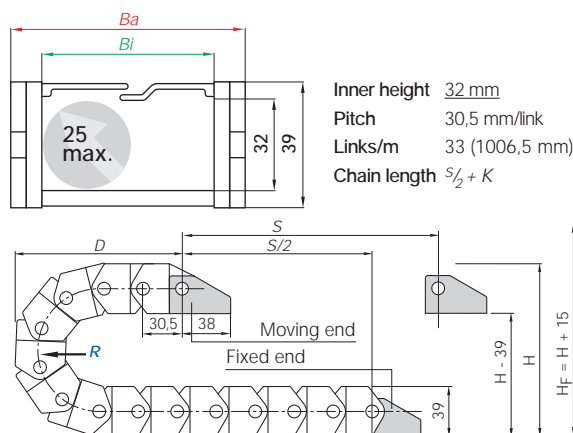
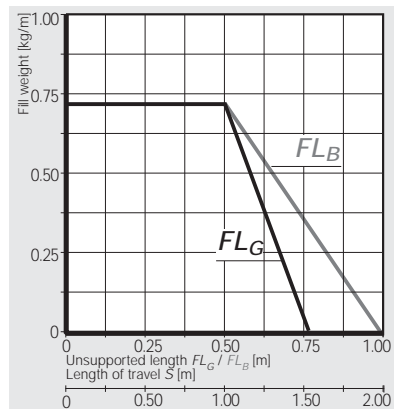
¹⁾Radius available upon request, please consult igus® for delivery time

Special solution with opening gap 3 mm: Part No. E16.2.100.0.N3 / Z16.2.075.0.N3

Supplement Part No. with required radius (*R*) Example: E16.7.100.0

Ba: pin dimension approx. 0,3 - 0,7 mm wider.

Dimensions

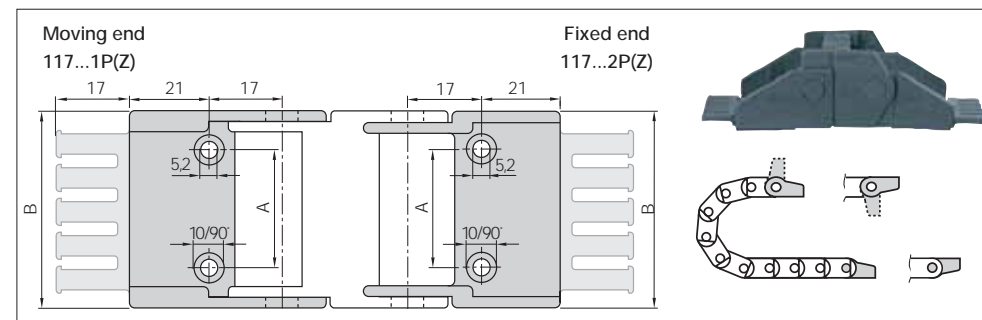



<i>R</i>	040*	060	075	100	125*
<i>H</i>	119	159	189	239	289
<i>D</i>	105	125	140	165	190
<i>K</i>	190	250	300	380	455

The required clearance height: $H_F = H + 15$ mm (with 0,3 kg/m fill weight)

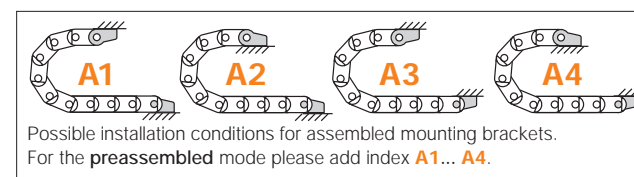
*Radius available upon request, please consult igus® for delivery time (Radius 040 for Z16.03 / Z16.04 available)

Mounting brackets, polymer one-piece | locking | More features ▶ www.igus.co.uk/en/E16



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
.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	76,0	6
.6.	▶ 117.6.12PZ	117.6.12P	65	93,0	8
.7.	▶ 117.7.12PZ	117.7.12P	85	113,0	10

Material mounting bracket - igumid G, temperature: -40° up to +120° C, VDE 0304 IIC UL94-HB



Part No. structure

117.2. 12 PZ A1
A... must be indicated on preassembled configurations
With strain relief tiewrap plates
Full set locking
Mounting bracket for selected width index



2 + 3-chamber system,
inner height: 37,1

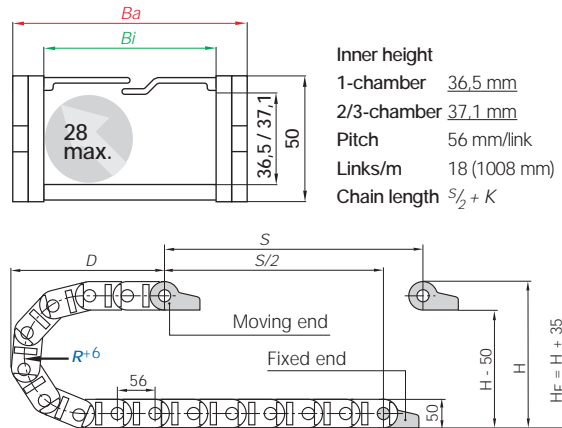
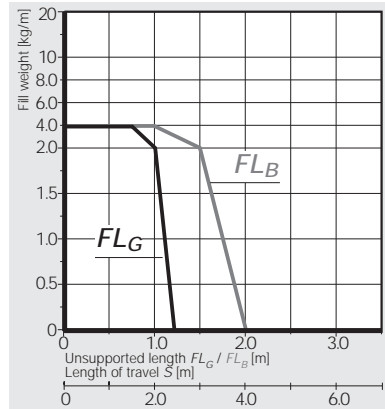


Series E26 | Split crossbar along the outer radius | 1 / 2 / 3-chamber system
Series Z26 | Split crossbar along the inner radius | 1 / 2 / 3-chamber system

Chamber system	Split crossbar along outer radius	Split crossbar along inner radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
1-chamber	E26.07.R.0	Z26.07.R.0	75	92	063 075 100 125 150 175 200 250	≈ 0,96
2-chamber	E26.2/45.R.0	Z26.2/45.R.0	48/48	117	063 075 100 125 150 175 200 250	≈ 1,14
3-chamber	E26.3/45.R.0	Z26.3/45.R.0	47/48/47	167	063 075 100 125 150 175 200 250	≈ 1,30

Supplement Part No. with required radius (R) Example: E26.07.150.0 Ba: pin dimension approx. 0,3 - 0,5 mm wider.

Dimensions

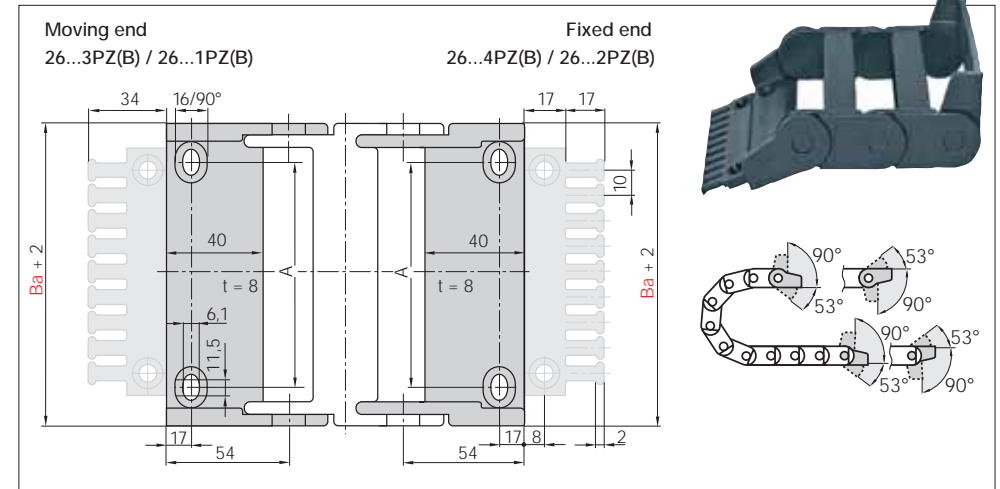


R	063	075	100	125	150	175	200	250
H +5	176	200	250	300	350	400	450	550
D	172	184	209	234	259	284	309	359
K	310	350	430	505	585	665	745	900

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



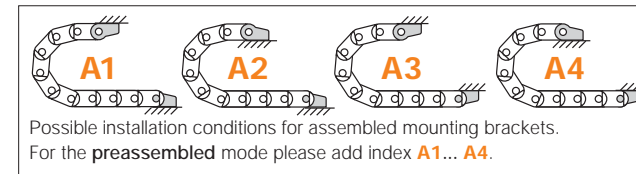
Mounting brackets, polymer | pivoting | locking



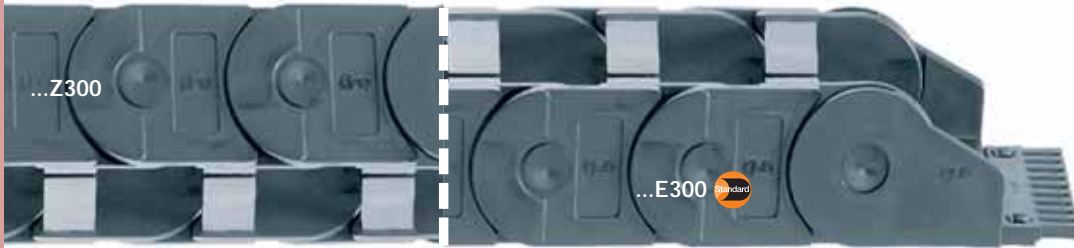
Width Index	Part No. full set pivoting:		Part No. full set locking:		Dim A [mm]	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates		
07.	2607.34PZB	2607.34PZ	2607.12PZB	2607.12PZ	55	7
2/45.	2610.34PZB	2610.34PZ	2610.12PZB	2610.12PZ	80	10
3/45.	2615.34PZB	2615.34PZ	2615.12PZB	2615.12PZ	130	15

Material mounting bracket - igumid G, temperature: -40° up to +120° C, VDE 0304 IIC UL94-HB

Full set with tiewrap plate + 10 cable tiewraps, please add index K1 ▶ e.g. 2607.34PZBK1



Part No. structure
2607. 34 PZB A2
A... must be indicated on preassembled configurations
With strain relief tiewrap plates
Full set pivoting
Mounting bracket for selected width index

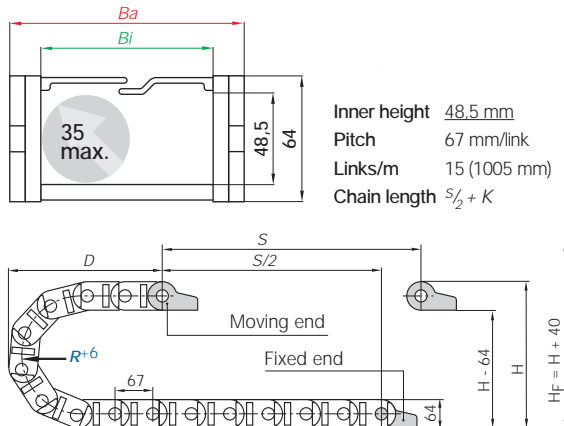
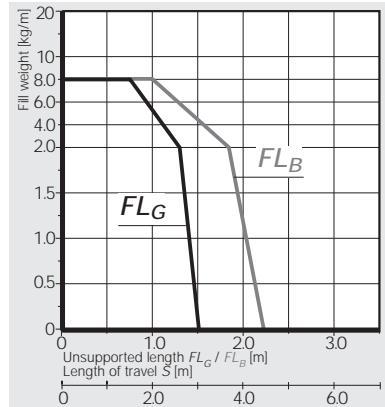


Series E300 | Split crossbar along the outer radius | 1 / 2 / 3-chamber system
Series Z300 | Split crossbar along the inner radius | 1 / 2 / 3-chamber system

Chamber system	Split crossbar along outer radius	Split crossbar along inner radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
1-chamber	E300.075.R.0	Z300.075.R.0	75	95	075 100 125 150 200 250 300	≈ 1,60
2-chamber	E300.2/45.R.0	Z300.2/45.R.0	48/48	120	075 100 125 150 200 250 300	≈ 1,78
3-chamber	E300.3/45.R.0	Z300.3/45.R.0	47/46/47	170	075 100 125 150 200 250 300	≈ 1,92

Supplement Part No. with required radius (R) Example: E300.075.150.0 Ba: pin dimension approx. 0,3 - 0,5 mm wider.

Dimensions

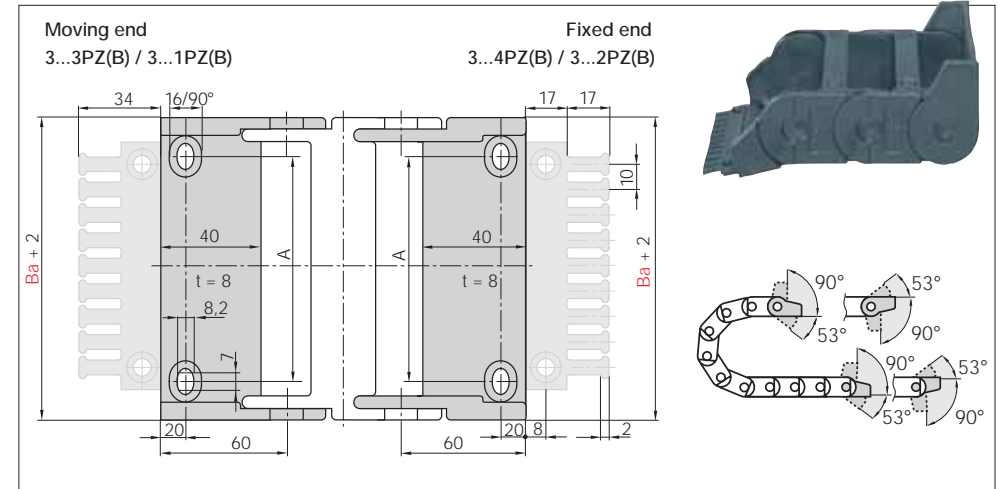


R	075	100	125	150	200	250	300
H +5	214	264	314	364	464	564	664
D	208	233	258	283	333	383	433
K	370	450	530	610	765	920	1080

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



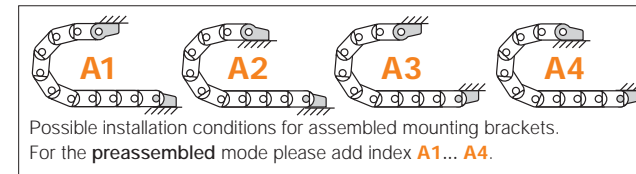
Mounting brackets, polymer | pivoting | locking



Width Index	Part No. full set pivoting:		Part No. full set locking:		Dim A [mm]	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates		
.075.	▶ 3075.34PZB	3075.34PZ	3075.12PZB	3075.12PZ	53	7
.2/45.	▶ 3100.34PZB	3100.34PZ	3100.12PZB	3100.12PZ	78	10
.3/45.	▶ 3150.34PZB	3150.34PZ	3150.12PZB	3150.12PZ	128	15

Material mounting bracket - igumid G, temperature: -40° up to +120° C, VDE 0304 IIC UL94-HB

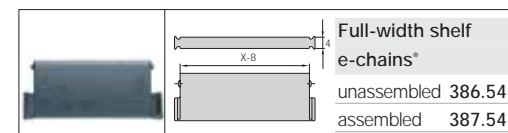
Full set with tiewrap plate + 10 cable tiewraps, please add index K1 ▶ e.g. 3075.34PZBK1



Part No. structure

2607. 34 PZB A2	A... must be indicated on preassembled configurations
	With strain relief tiewrap plates
	Full set pivoting
	Mounting bracket for selected width index

Interior separation



Optional shelving for E300.3/45 and Z300.3/45 -Full-width shelf 386.54

Shelving enables subdivision of the inner space of the e-chain® Series E300.3/45 and Z300.3/45. This option makes sense in applications with many thin cables with similar diameters. For a consequent subdivision. Full-width shelves can be arranged at 7 different heights (in 7 mm increments). In standard configurations, shelves are installed in every other link.



Easy to lengthen:
Strips can simply be snapped together

Easy to shorten:
Separation at each band

Save time:
Very easy to fill because of snap-open lids

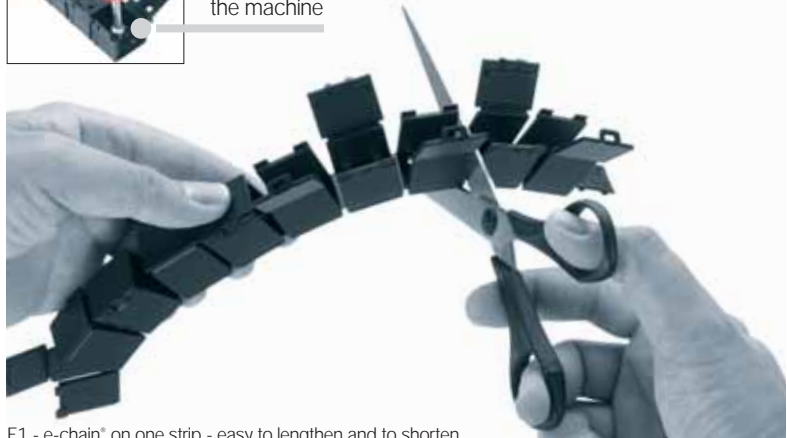
Cost effective:
Low-price e-chain*

Space-efficient:
Compact design with smooth outer contour

Variations:
Different materials and colors available upon request



Easy attachment to the machine



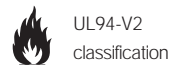
E1 - e-chain* on one strip - easy to lengthen and to shorten....

E1- Modular, one-piece strip design for simple applications

E1: e-chain* modular, 1-piece strip designed for simple applications - The E1 design brings the benefits of an e-chain* to applications, where this solution previously was too expensive. E1 is more economic for higher volumes, quicker to assemble and still offers great control and protection for moving cables. The igus*-System E1 is very cost effective for high volumes and is especially ideal for automotive applications.

Typical industries and applications

- Automotive
- Office solutions and technology
- Automation
- Electric equipment
- Machine-building



UL94-V2 classification

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]	Segment length [mm]	Page
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E1 one-piece strip - snap-open along outer radius

E1.10.013.	10	13	16,5	15,5	18	200	166
E1.17.021.	17	21	26	25	28	255	167
E1.17.031.	17	31	36	25	28	204	167
E1.17.044.	17	44	49	25	28	255	167
E1.18.015. New*	18	15	20	26	28	127,5	168
E1.20.015.	20	15	22	27	28	250	169

* in this catalog

Technical Data

	Material - permitted temperature °C, igumid NB	-40° up to +80° C
	Flammability class igumid NB	VDE 0304 IIC UL94-V2

Order example | Order key and color options based on Series E1.17



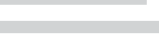
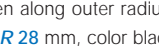
 Order example for complete e-chain* (1,0 m), color black

e-chain* (1,0 m) Please indicate chain-lengths or number of links **E1.17.044.028.0**

Order text: 1,0 m E1.17.044.028.0











Order key

E1 snap-open along outer radius* **E1.17.044.028.0**

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

E1.17.044.028.0 = Snap-open along outer radius, inner width *Bi* 44 mm, radius *R* 28 mm, color black

General igus* 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
 Dark grey 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: upon request

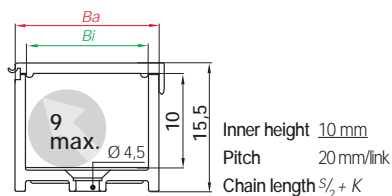
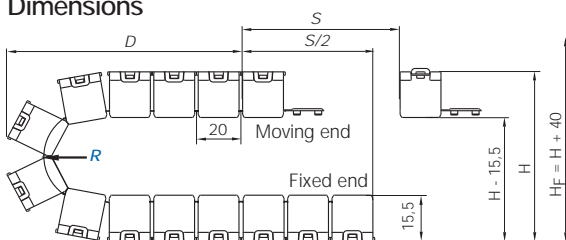


Series E1.10 | Snap-open along outer radius

Snap-open along outer radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/Segment]
E1.10.013.R.0	13	16,5	018	≈ 0,0164

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

Dimensions

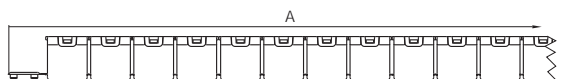


Series	Segment length Dim A [mm]	No. of links/Segment	No. of Segments/m
E1.10.013.R.0	200	10	5 (1000 mm)

<i>R</i>	018
<i>H</i>	62
<i>D</i>	66
<i>K</i>	100

The required clearance height: $H_f = H + 40$ mm

More radii available upon request, please consult igus® for delivery time!

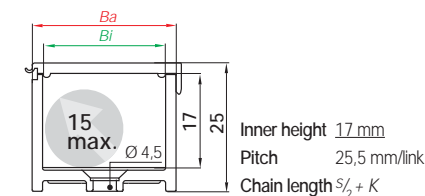
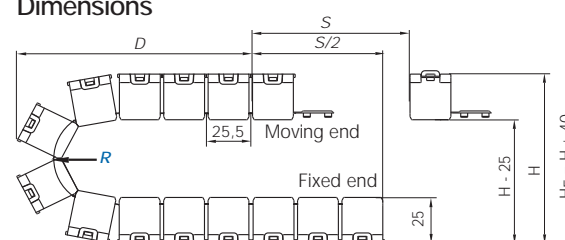


Series E1.17 | Snap-open along outer radius

Snap-open along outer radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/Segment]
E1.17.021.R.0	21	26	028	≈ 0,0478
E1.17.031.R.0	31	36	028	≈ 0,0460
E1.17.044.R.0	44	49	028	≈ 0,0695

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

Dimensions

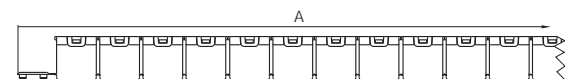


Series	Segment length Dim A [mm]	No. of links/Segment	No. of Segments/m
E1.17.021.R.0	255	10	4 (1020 mm)
E1.17.031.R.0	204	8	5 (1020 mm)
E1.17.044.R.0	255	10	4 (1020 mm)

<i>R</i>	028
<i>H</i>	92
<i>D</i>	76
<i>K</i>	120

The required clearance height: $H_f = H + 40$ mm

More radii available upon request, please consult igus® for delivery time!

Mounting brackets for the Series E1.17.021 | **New** in this catalog

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

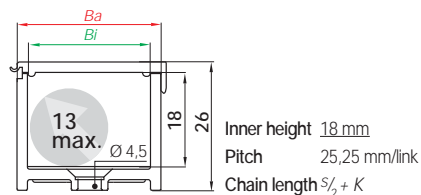
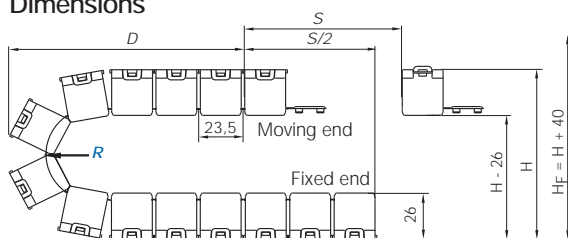


Series E1.18 | Snap-open along outer radius

Snap-open along outer radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/Segment]
E1.18.015.R.0	15	20	028	≈ 0,0169

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

Dimensions

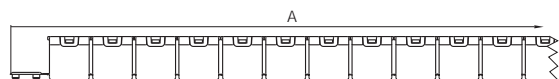


Series	Segment length Dim A [mm]	No. of links/Segment	No. of Segments/m
E1.18.015.R.0	101	4	10 (1010 mm)

<i>R</i>	028
<i>H</i>	92
<i>D</i>	76
<i>K</i>	120

The required clearance height: $H_f = H + 40$ mm

More radii available upon request, please consult igus® for delivery time!

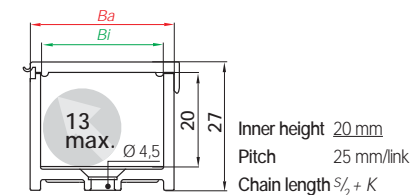
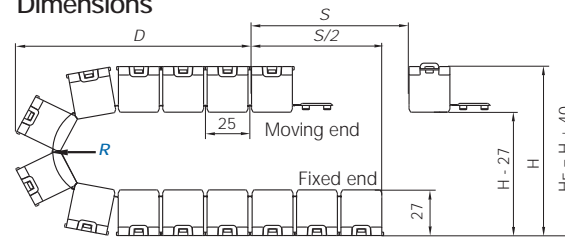


Series E1.20 | Snap-open along outer radius - lids open reciprocally

Snap-open along outer radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/Segment]
E1.20.015.R.0	15	22	028	≈ 0,0443

Supplement Part No. with required radius (*R*) Example: E1.20.15.028.0

Dimensions

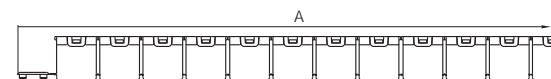


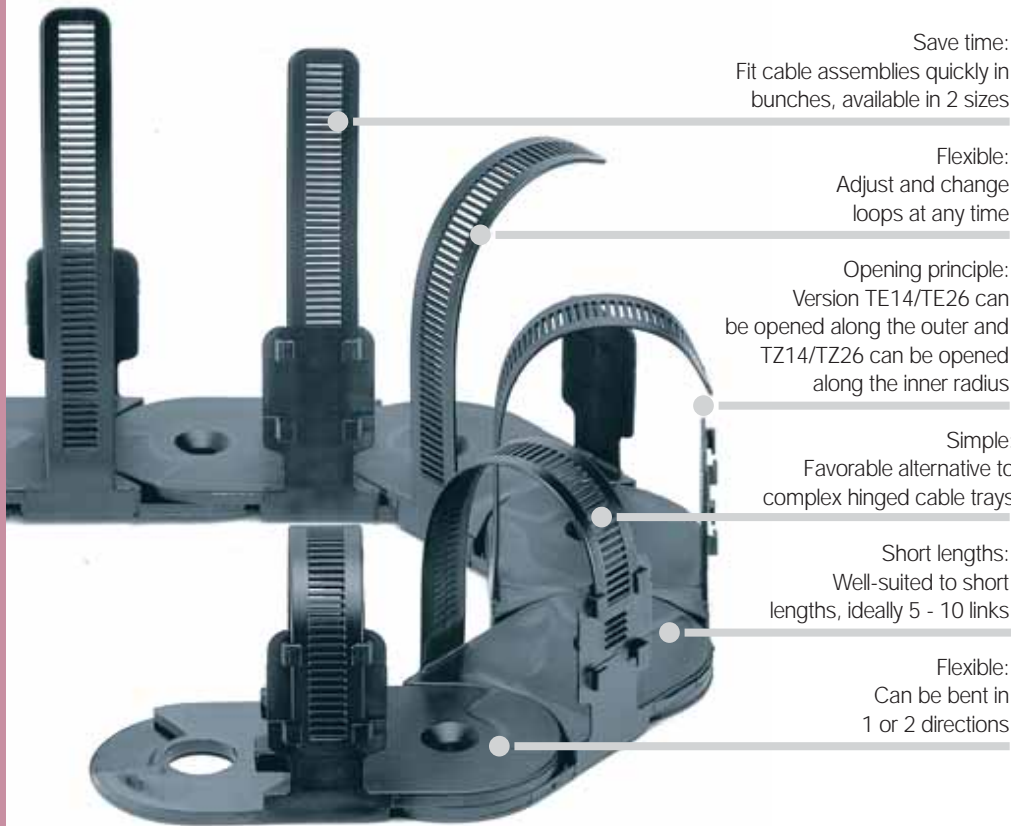
Series	Segment length Dim A [mm]	No. of links/Segment	No. of Segments/m
E1.20.015.R.0	250	10	4 (1000 mm)

<i>R</i>	028
<i>H</i>	92
<i>D</i>	76
<i>K</i>	120

The required clearance height: $H_f = H + 40$ mm

More radii available upon request, please consult igus® for delivery time!





Save time:
Fit cable assemblies quickly in bunches, available in 2 sizes

Flexible:
Adjust and change loops at any time

Opening principle:
Version TE14/TE26 can be opened along the outer and
TZ14/TZ26 can be opened along the inner radius

Simple:
Favorable alternative to complex hinged cable trays

Short lengths:
Well-suited to short lengths, ideally 5 - 10 links

Flexible:
Can be bent in 1 or 2 directions


snapchain - fit cable assemblies quickly in bunches

igus® snapchain economical e-chains® for simple fillings. snapchains are easy to assemble and cost-effective. If an easy solution for minor number of travels is required.



Typical industries and applications

- Switch cubicle construction
- Electrical equipment
- Computer cubicles
- Office furniture
- Wherever cables are moved infrequently



Series	Length loops [mm]	Pitch [mm]	Bending radius R [mm]	Page
				
				Version TE - Loops to be opened along the outer radius
				Version TZ - Loops to be opened along the inner radius
TE14.50	50	30,5	028 - 125	172
TE26.120	120	56	063 - 200	173
TZ14.50	50	30,5	028 - 125	172
TZ26.120	120	56	063 - 200	173

Technical Data

	Material - permitted temperature °C, igumid NB	-40° up to +80° C
	Flammability class igumid NB	VDE 0304 IIC UL94-V2

Order example | Order key and color options based on Series TE26.

 Order example for complete e-chain® (1,0 m), color black:

e-chain® (1,0 m) Please indicate chain-lengths or number of links [TE26.120.100.0](#)

Order text: 1,0 m [TE26.120.100.0](#)











Order key

Version TE to be opened along the outer radius [TE26.120.100.0](#)
Version TZ to be opened along the inner radius [TZ26.120.100.0](#)

Version "TE" or "TZ"
Series / Type
Length of loops
Bending radius R
Color index (standard black)




General igus® 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	.31	 Light grey special color	.14

Black e-chains® available from stock!
Delivery time for special colors: upon request

TE26.120.100 = Version "TE" - Loops to be opened along the outer radius, radius R 100 mm, color black
TZ26.120.100 = Version "TZ" - Loops to be opened along the inner radius, radius R 100 mm, color black

snapchain | Series TE14·TZ14 | Delivery program 50 
Fit cable assemblies quickly in bunches - small size

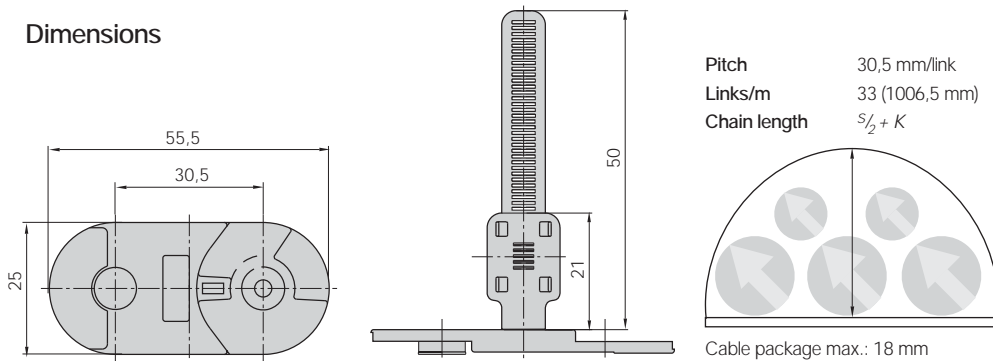



Series TE14 | Loops to be opened along the outer radius
Series TZ14 | Loops to be opened along the inner radius

To be opened along the outer radius	To be opened along the inner radius	R Bending radii [mm]	Weight [kg/m]
TE14. 50. <i>R</i> .0*	TZ14. 50. <i>R</i> .0	028 038 048 075 100 125	≈ 0,15

*also available as RBR (Reverse bending radius) Part No. TE14.50.Radius/Radius
Supplement Part No. with required radius (*R*) Example: TE14.50.100.0

Dimensions



snapchain | Series TE26·TZ26 | Delivery program 120 
Fit cable assemblies quickly in bunches - large size

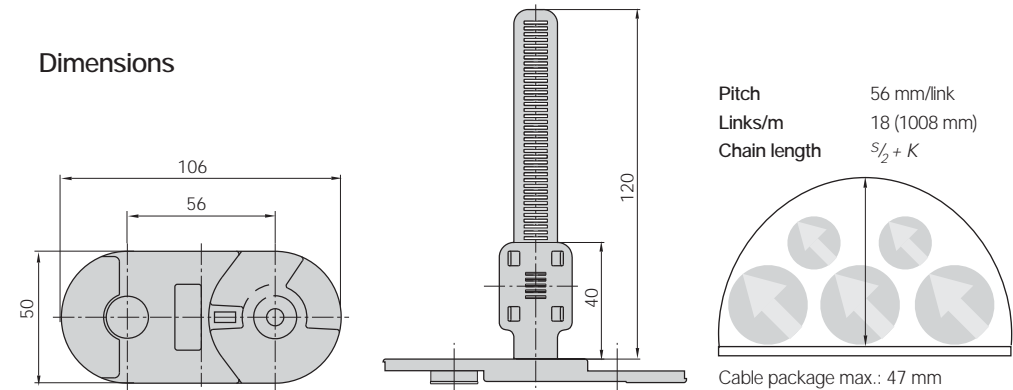


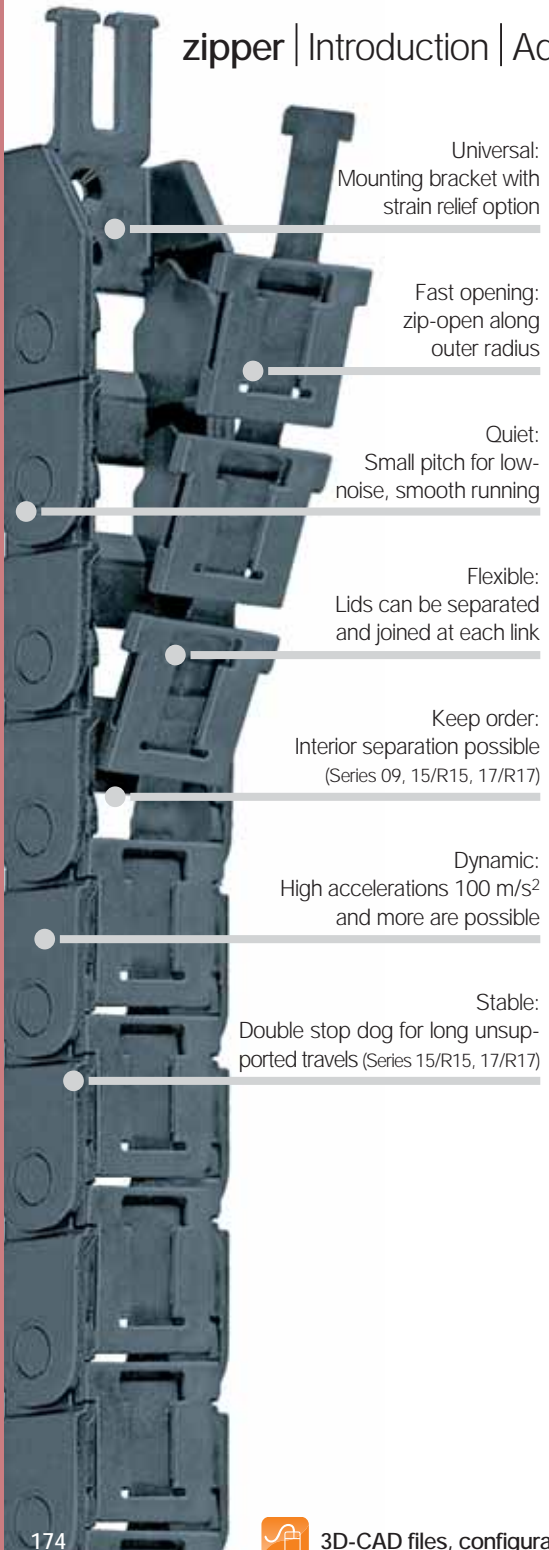
Series TE26 | Loops to be opened along the outer radius
Series TZ26 | Loops to be opened along the inner radius

To be opened along the outer radius	To be opened along the inner radius	R Bending radii [mm]	Weight [kg/m]
TE26.120. <i>R</i> .0*	TZ26.120. <i>R</i> .0	063 075 100 125 150 200	≈ 0,43

*also available as RBR (Reverse bending radius) Part No. TE26.120.Radius/Radius
Supplement Part No. with required radius (*R*) Example: TE26.120.100.0

Dimensions





Universal:
Mounting bracket with strain relief option

Fast opening:
zip-open along outer radius

Quiet:
Small pitch for low-noise, smooth running

Flexible:
Lids can be separated and joined at each link

Keep order:
Interior separation possible (Series 09, 15/R15, 17/R17)

Dynamic:
High accelerations 100 m/s² and more are possible

Stable:
Double stop dog for long unsupported travels (Series 15/R15, 17/R17)


Fast opening and closing with "zipper"

igus® "zipper" e-chains® and e-tubes convince in practicality and performance. The "zipper" function makes them a very useful product to reduce assembly time. The small pitch, the tough-elastic zipper-band, and the sturdy link work well in high-acceleration environments. The igus® "zipper" Series is one of the most popular e-chain® Series in demanding applications.

- zipper-like design for quick opening and closing of lids
- If high stability and excellent service life is required
- Small pitch for smooth running
- If fast, zipper-like accessibility to cables is required


Typical industries and applications


- Pick & place robots
- Semi-conductor machines
- Linear motors, actuators
- Measuring equipment
- Machine tools (zipper e-tube)

 Clean room Class 1 (ISO class 3) tested by the Dryden Engineering Company, California (Series 15)

 iF-Design Award Winner

 58 dB(A) tested in igus® lab, v = 1,0 m/s unsupported, Series 09.50.028.0

 UL94-V0 classification upon request

 Electrically conductive ESD/ATEX versions several Series available from stock

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 max. length [m]	Page
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zipper - two-piece e-chains®
zip-open along outer radius

047	9,0	10 - 16	16,0 - 22,0	12,5	18 - 38	0,40	178
07	10,3	6 - 64	12,5 - 71,0	15,0	18 - 48	0,55	180
09	15,0	10 - 50	18,2 - 58,2	19,3	28 - 48	1,00	184
15	17,0	15 - 100	26,0 - 113,0	24,0	38 - 180	1,20	188
17	32,0	15 - 100	25,5 - 113,0	39,0	63 - 125	1,00	192



zipper - two-piece e-tubes
Protection against dirt and chips, zip-open along outer radius

R07	10,3	10 - 50	16,5 - 57,0	15,0	38 - 48	0,55	182
R09	15,0	10 - 50	18,2 - 58,2	19,3	48 - 100	1,00	186
R15	17,0	25 - 80	36,0 - 94,0	24,0	63 - 180	1,20	190
R17	32,0	15 - 63	26,0 - 74	39,0	63 - 125	1,20	194

Technical Data

	Gliding 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 lower part - permitted temperature °C, igumid G	-40° up to +120° C
	Material lid - permitted temperature °C, igumid TE	-40° up to +70° C
	Flammability class, igumid G	VDE 0304 IIC UL94-HB

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

Installation methods overview, maximum travels

Series e-chain® / e-tube	Unsupported application	Vertical hanging	Vertical standing	Side mounted unsupported
047	≤ 0,40 m	upon request	upon request	upon request
07	≤ 0,55 m	upon request	upon request	upon request
09	≤ 1,0 m	upon request	upon request	upon request
15	≤ 1,2 m	upon request	upon request	upon request
17	≤ 1,0 m	upon request	upon request	upon request
R07	≤ 0,55 m	upon request	upon request	upon request
R09	≤ 1,0 m	upon request	upon request	upon request
R15	≤ 1,2 m	upon request	upon request	upon request
R17	≤ 1,0 m	upon request	upon request	upon request

Options with order keys based on Series 15

	Standard	NC-Version - (no camber) without pretension	ESD / ATEX classified e-chains® II 2 GD
	Part No. Standard e-chains® / e-tubes	Part No. NC-Version e-chains® / e-tubes	Part No. ESD-Material e-chains® / e-tubes
	15.025.R.0	15.025.R.0.NC	15.025.R.0.ESD
	Delivery from stock	Delivery time: upon request	Delivery time: Several series from stock

Order example | Order key and color options based on Series 15

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

e-chain® (1,0 m)	Please indicate e-chain® length or number of links: 1,0 m or 33 links	15.025.075.0
+ Mounting brackets	1 set (with integrated strain relief)	1025.34PZ
+ Interior separation	with 2 separators assembled every 2 nd link	2 x 154

Order text: 1,0 m 15.025.075.0 + 1025.34PZ + 2 x 154

Order key

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: upon request

15.025.075.0 = e-chain® zip-open along outer radius, inner width **Bi 25** mm, radius **R 75** mm, color black
 R15.025.075.0 = e-tube zip-open along outer radius, inner width **Bi 25** mm, radius **R 75** mm, color black

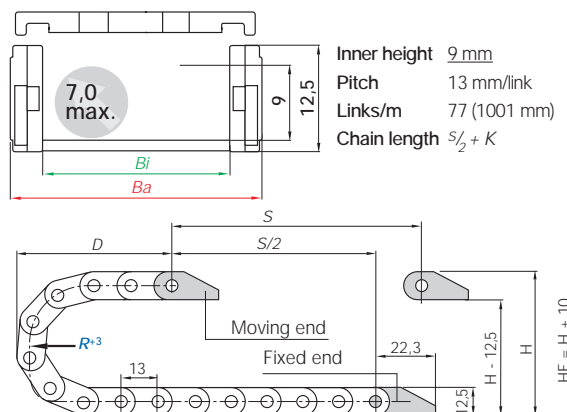
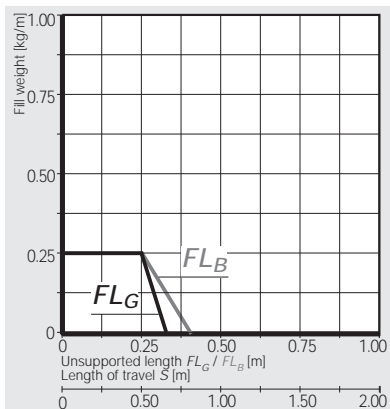


e-chain® | Series 047 | Zip-open along outer radius

e-chain* zip-open along outer radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
047.10 .R.0	10	16	018 028 038	≈ 0,10
047.16 .R.0	16	22	018 028 038	≈ 0,11

Supplement Part No. with required radius (R) Example: 047.10.038.0

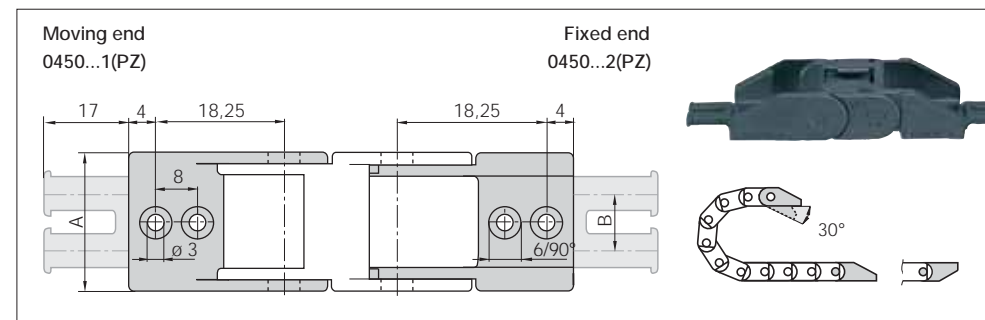
Dimensions



R	018	028	038
H	48,5	68,5	88,5
D	44	54	64
K	85	115	150

The required clearance height: $H_F = H + 10$ mm (with 0,2 kg/m fill weight)

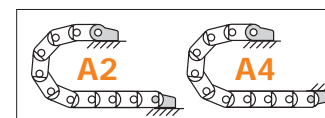
Mounting brackets, polymer one-piece | one side pivoting



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
10.	0450.10.12PZ	0450.10.12	16	-	1
16.	0450.16.12PZ	0450.16.12	22	10	2

Mounting bracket with strain relief tiewrap plate has reductions of $\varnothing 3$ mm / $\varnothing 6$ mm 90°

Mounting bracket without strain relief tiewrap plate only has holes of $\varnothing 3$ mm



Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index **A2** or **A4**.

Part No. structure

0450.10.12 PZ **A2** ... must be indicated on preassembled configurations
 With strain relief tiewrap plates
 Full set
 Mounting bracket for selected width index



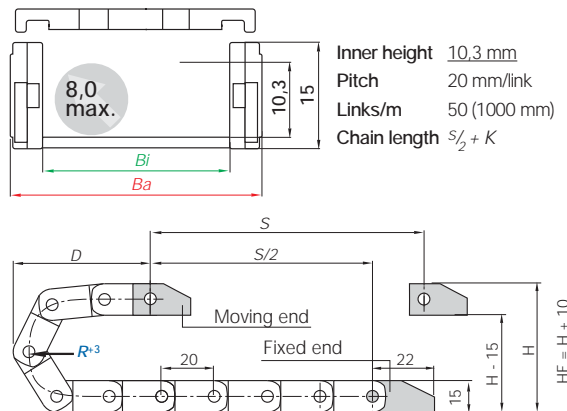
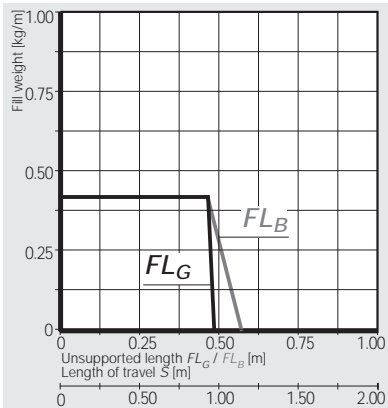
e-chain® | Series 07 | Zip-open along outer radius

e-chain* zip-open along outer radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
07. 06 .R.0	06	12,5	018 028 038 048*	≈ 0,13
07. 10 .R.0	10	16,5	018 028 038 048*	≈ 0,14
07. 16 .R.0	16	22,5	018 028 038 048*	≈ 0,16
07. 20 .R.0	20	27	018 028 038 048*	≈ 0,17
07. 30 .R.0	30	37	018 028 038 048*	≈ 0,20
07. 40 .R.0	40	47	018 028 038 048*	≈ 0,23
07. 50 .R.0	50	57	018 028 038 048*	≈ 0,26
07. 64 .R.0	64	71	018 028 038 048	≈ 0,30

Supplement Part No. with required radius (R) Example: 07.40.038.0

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

Dimensions

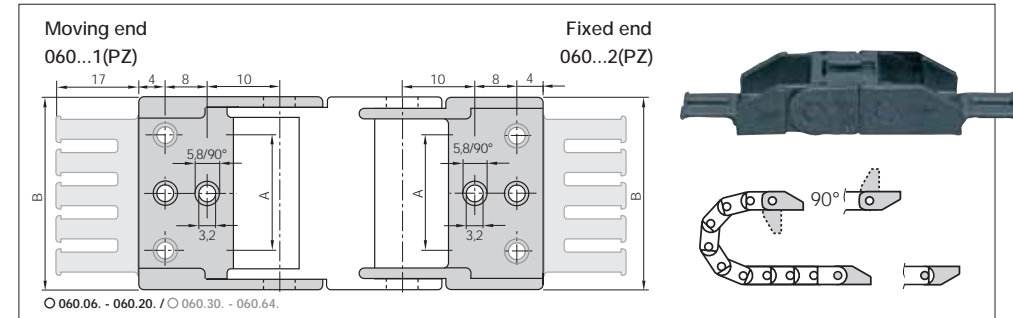


R	018	028	038	048*
H	51	71	91	111
D	56	66	76	86
K	100	130	160	195

The required clearance height: $H_F = H + 10$ mm (with 0,2 kg/m fill weight)

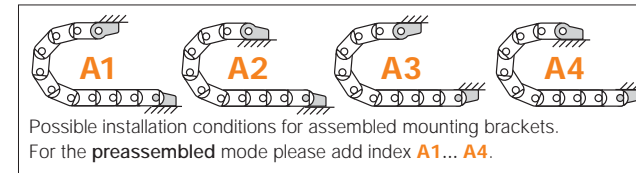
*Radius 048 only for Series 07.64 - for other widths available upon request, please consult igus® for delivery time

Mounting brackets, polymer one-piece | locking | More features ▶ www.igus.co.uk/en/07



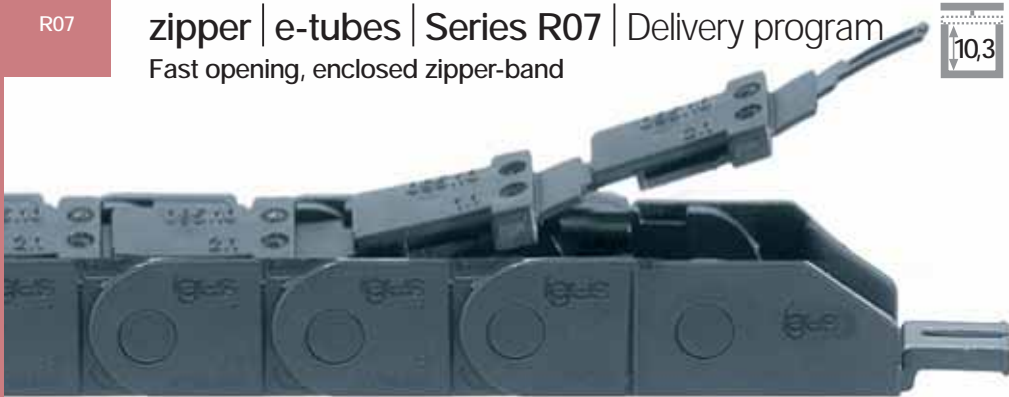
Width Index	Part No. full set with tie-wrap plates	Part No. full set without tie-wrap plates	Dim A [mm]	Dim B [mm]	Number of teeth
06. ▶	060.06. 12PZ	060.06. 12	-	12,5	1
10. ▶	060.10. 12PZ	060.10. 12	-	16,5	1
16. ▶	060.16. 12PZ	060.16. 12	-	22,5	2
20. ▶	060.20. 12PZ	060.20. 12	-	27,0	2
30. ▶	060.30. 12PZ	060.30. 12	22	37,0	3
40. ▶	060.40. 12PZ	060.40. 12	32	47,0	4
50. ▶	060.50. 12PZ	060.50. 12	42	57,0	5
64. ▶	060.64. 12PZ	060.64. 12	56	71,0	6

○ Drilling pattern for width index: 060.06. - 060.20. center bores only / ○ 060.30. - 060.64. outer bores only (see figure above)



Part No. structure
060.40. 12 PZ A1
A... must be indicated on preassembled configurations
With strain relief tie-wrap plates
Full set
Mounting bracket for selected width index

EX ESD/ATEX permanently conductive e-chains® - Several widths with delivery from stock:
Inner widths Bi 10 - 50, radii R 18 - 38. Full ESD delivery program ▶ www.igus.co.uk/en/ESD

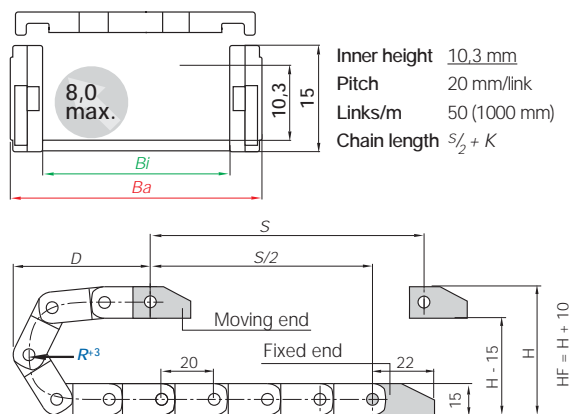
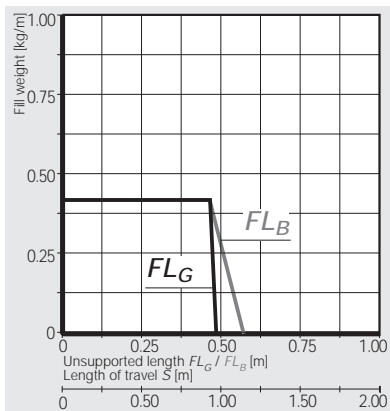


e-tube | Series R07 | Zip-open along outer radius

e-tube zip-open along outer radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
R07. 06 .R.0*	06	12,5	038 048	≈ 0,15
R07. 10 .R.0	10	16,5	038 048	≈ 0,16
R07. 16 .R.0	16	22,5	038 048	≈ 0,18
R07. 20 .R.0	20	27	038 048	≈ 0,19
R07. 30 .R.0	30	37	038 048	≈ 0,22
R07. 40 .R.0	40	47	038 048	≈ 0,25
R07. 50 .R.0	50	57	038 048	≈ 0,28
R07. 64 .R.0*	64	71	038 048	≈ 0,32

Supplement Part No. with required radius (R) Example: R07.40.038.0 *Width available upon request, please consult igus* for delivery time

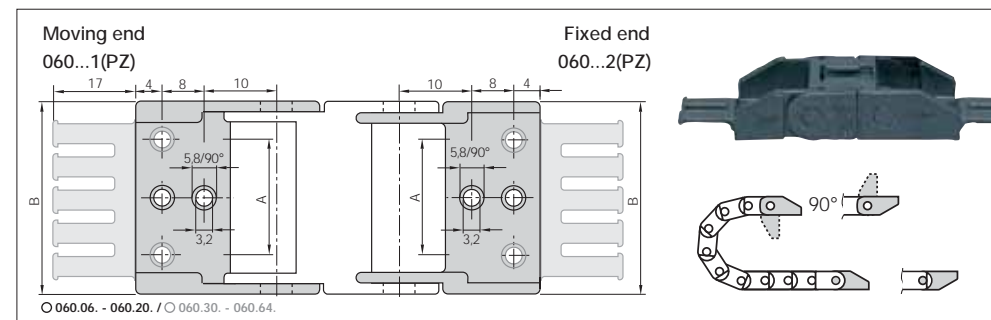
Dimensions



R	038	048
H	91	111
D	76	86
K	160	195

The required clearance height: $H_F = H + 10$ mm (with 0,2 kg/m fill weight)

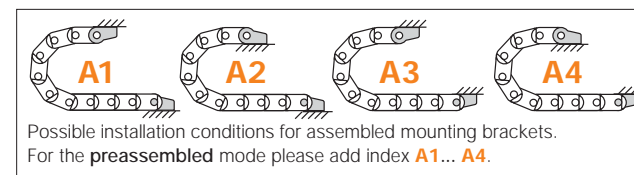
Mounting brackets, polymer one-piece | locking | More features ► www.igus.co.uk/en/R07



Width Index	Part No. full set with tie-wrap plates	Part No. full set without tie-wrap plates	Dim A [mm]	Dim B [mm]	Number of teeth
06.* ►	060.06. 12PZ	060.06. 12	-	12,5	1
10. ►	060.10. 12PZ	060.10. 12	-	16,5	1
16. ►	060.16. 12PZ	060.16. 12	-	22,5	2
20. ►	060.20. 12PZ	060.20. 12	-	27,0	2
30. ►	060.30. 12PZ	060.30. 12	22	37,0	3
40. ►	060.40. 12PZ	060.40. 12	32	47,0	4
50. ►	060.50. 12PZ	060.50. 12	42	57,0	5
64.* ►	060.64. 12PZ	060.64. 12	56	71,0	6

○ Drilling pattern for width index: 060.06. - 060.20. center bores only / ○ 060.30. - 060.64. outer bores only (see figure above)

Width available upon request, please consult igus for delivery time



Part No. structure
060.40. 12PZ A1
A... must be indicated on preassembled configurations
With strain relief tie-wrap plates
Full set
Mounting bracket for selected width index

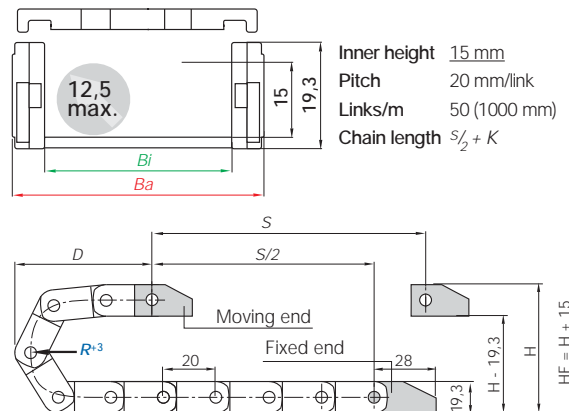
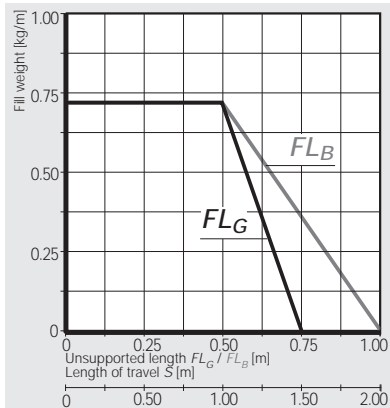


e-chain® | Series 09 | Zip-open along outer radius

e-chain* zip-open along outer radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/m]
09. 10 .R.0	10	18,2	028 038 048	≈ 0,21
09. 16 .R.0	16	24,2	028 038 048	≈ 0,24
09. 20 .R.0	20	28,2	028 038 048	≈ 0,25
09. 30 .R.0	30	38,2	028 038 048	≈ 0,28
09. 40 .R.0	40	48,2	028 038 048	≈ 0,31
09. 50 .R.0	50	58,2	028 038 048	≈ 0,34

 Supplement Part No. with required radius (*R*) Example: 09.40.048.0

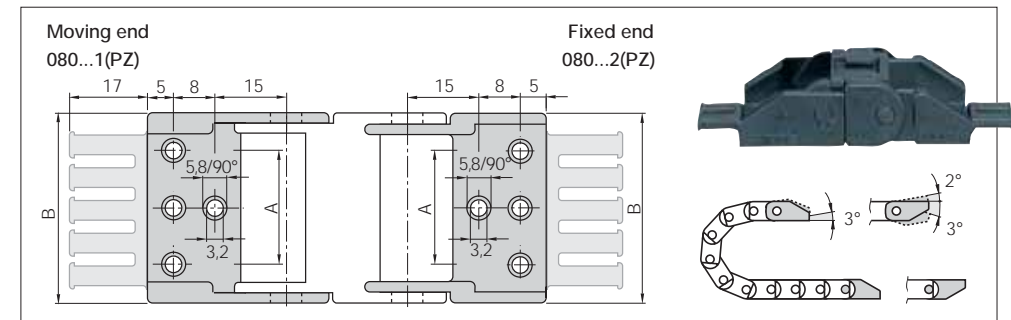
Dimensions



<i>R</i>	028	038	048
<i>H</i>	75	95	115
<i>D</i>	68	78	88
<i>K</i>	130	160	195

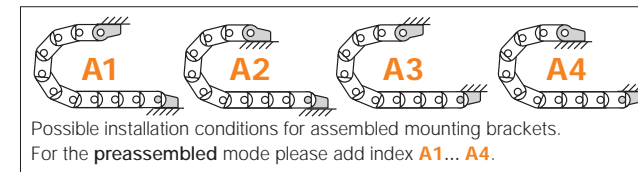
 The required clearance height: $H_F = H + 15$ mm (with 0,3 kg/m fill weight)

Mounting brackets, polymer one-piece | locking | More features ► www.igus.co.uk/en/09



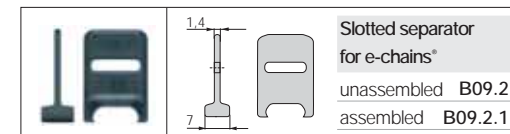
Width Index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	Dim A [mm]	Dim B [mm]	Number of teeth
10. ►	080.10. 12PZ	080.10. 12	-	18,2	1
16. ►	080.16. 12PZ	080.16. 12	-	24,2	2
20. ►	080.20. 12PZ	080.20. 12	-	28,2	2
30. ►	080.30. 12PZ	080.30. 12	22	38,2	3
40. ►	080.40. 12PZ	080.40. 12	32	48,2	4
50. ►	080.50. 12PZ	080.50. 12	42	58,2	5

Drilling pattern for width index: 080.10. - 080.20. center bores only / 080.30. - 080.50. all bores (see figure above)

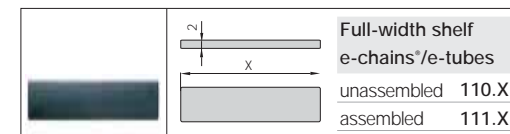


Part No. structure	A... must be indicated on preassembled configurations
080.40. 12 PZ A1	With strain relief tiewrap plates
	Full set
	Mounting bracket for selected width index

Interior separation



Slotted separator B09.2
 is used when vertical and horizontal separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.



Full-width shelf 110.X
 this option makes sense in applications with many thin cables with similar diameters. For a consequent subdivision.

Full-width shelves

Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
016	110.16	111.16	030	110.30	111.30	050	110.50	111.50
020	110.20	111.20	040	110.40	111.40			

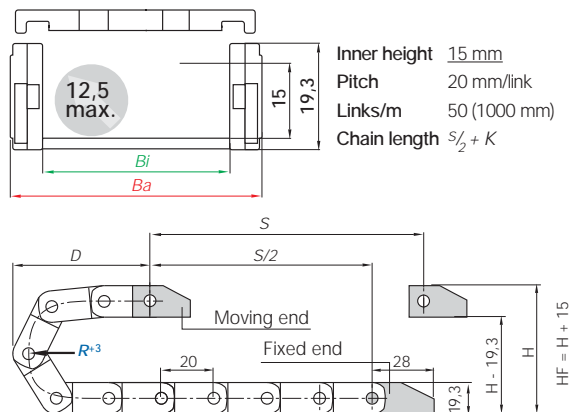
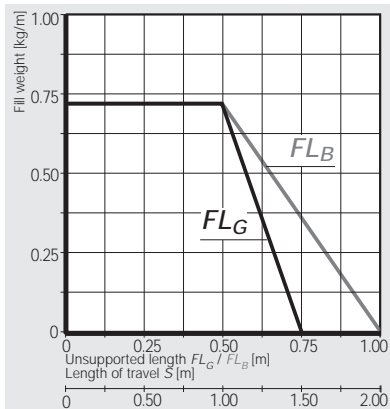


e-tube | Series R09 | Zip-open along outer radius

e-tube zip-open along outer radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
R09.10 .R.0	10	18,2	048 075 100	≈ 0,23
R09.16 .R.0	16	24,2	048 075 100	≈ 0,26
R09.20 .R.0	20	28,2	048 075 100	≈ 0,27
R09.30 .R.0	30	38,2	048 075 100	≈ 0,30
R09.40 .R.0	40	48,2	048 075 100	≈ 0,33
R09.50 .R.0	50	58,2	048 075 100	≈ 0,36

Supplement Part No. with required radius (R) Example: R09.40.048.0

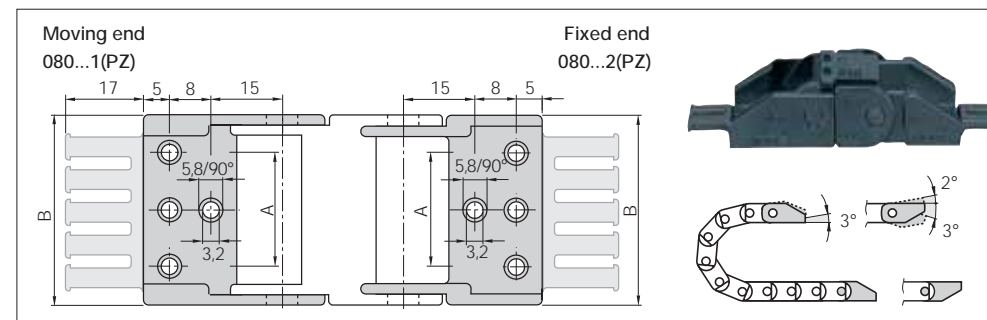
Dimensions



R	048	075	100
H	115	169	219
D	88	115	140
K	195	280	355

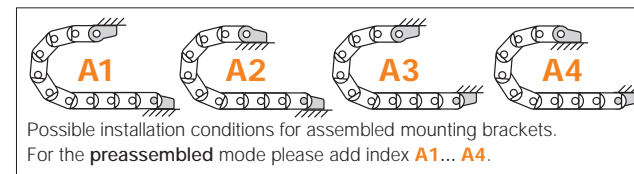
The required clearance height: $H_f = H + 15$ mm (with 0,3 kg/m fill weight)

Mounting brackets, polymer one-piece | locking | More features ► www.igus.co.uk/en/R09



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
10. ►	080.10. 12PZ	080.10. 12	-	18,2	1
16. ►	080.16. 12PZ	080.16. 12	-	24,2	2
20. ►	080.20. 12PZ	080.20. 12	-	28,2	2
30. ►	080.30. 12PZ	080.30. 12	22	38,2	3
40. ►	080.40. 12PZ	080.40. 12	32	48,2	4
50. ►	080.50. 12PZ	080.50. 12	42	58,2	5

Drilling pattern for width index: 080.10. - 080.20. center bores only / 080.30. - 080.50. all bores (see figure above)



Part No. structure
080.40. 12 PZ A1
A... must be indicated on preassembled configurations
With strain relief tiewrap plates
Full set
Mounting bracket for selected width index



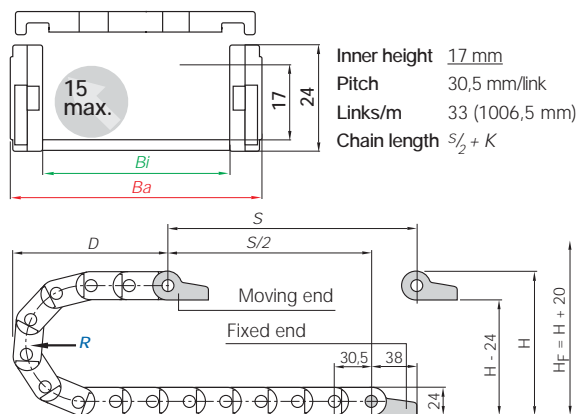
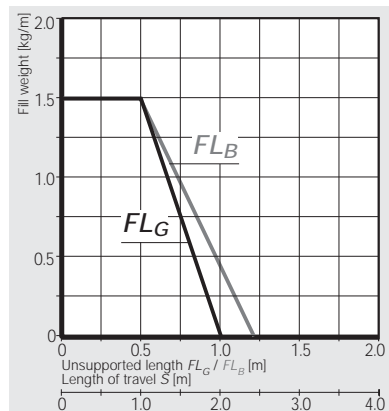
e-chain® | Series 15 | Zip-open along outer radius

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

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

Supplement Part No. with required radius (R) Example: 15.025.038.0

Dimensions

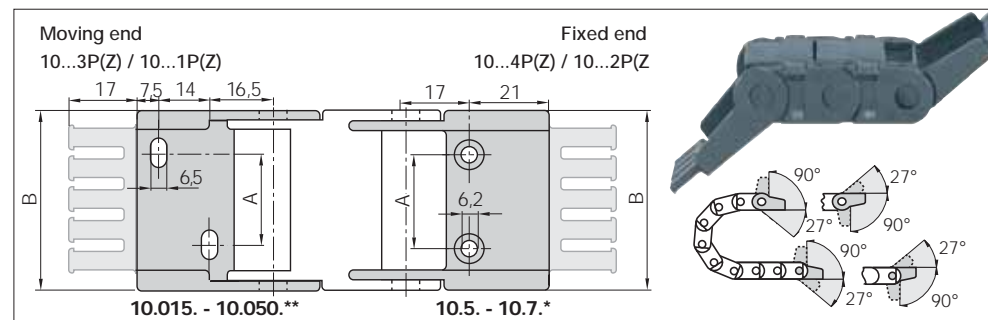


R	038	048	075	100	110	125	145	180
H	99	119	173	223	243	273	313	383
D	95	105	132	157	167	182	202	237
K	185	215	300	380	410	455	520	630

The required clearance height: $H_F = H + 20$ mm (with 1,0 kg/m fill weight)



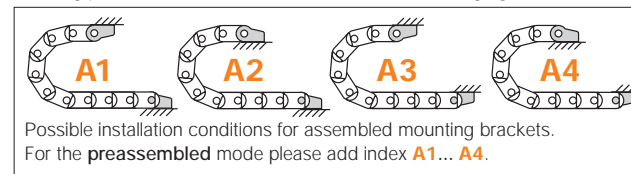
Mounting brackets, polymer one-piece | pivoting | locking



Width Index	Part No. full set pivoting:	Part No. full set locking:		Dim A [mm]	Dim B [mm]	Number of teeth	
		with tiewrap plates	without tiewrap plates				with tiewrap plates
015.	▶ 1015.34PZ	1015.34P	1015.12PZ	1015.12P	–	25,5	2
025.	▶ 1025.34PZ	1025.34P	1025.12PZ	1025.12P	10	35,5	3
038.	▶ 1038.34PZ	1038.34P	1038.12PZ	1038.12P	23	48,5	4
050.	▶ 1050.34PZ	1050.34P	1050.12PZ	1050.12P	35	60,5	5
5.	▶ 105. 34PZ	105. 34P	105. 12PZ	105. 12P	48	75,0	6
6.	▶ 106. 34PZ	106. 34P	106. 12PZ	106. 12P	65	92,0	8
7.	▶ 107. 34PZ	107. 34P	107. 12PZ	107. 12P	85	112,0	10

** Drilling pattern for width index: 15.015. - 15.050. see drawing left. Each valid for Moving end and Fixed end

* Drilling pattern for width index: 15.5 - 15.7. see drawing right. Each valid for Moving end and Fixed end



Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index A1... A4.

Part No. structure

- 1025. 34 PZ A1
- A... must be indicated on preassembled configurations
- With strain relief tiewrap plates
- Full set pivoting
- Mounting bracket for selected width index

Interior separation

		Slotted separator for e-chains*	unassembled 153	assembled 154
		Side plate for e-chains*	unassembled 155	assembled 156
		Full-width shelf for e-chains*	unassembled 110.X	assembled 111.X

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

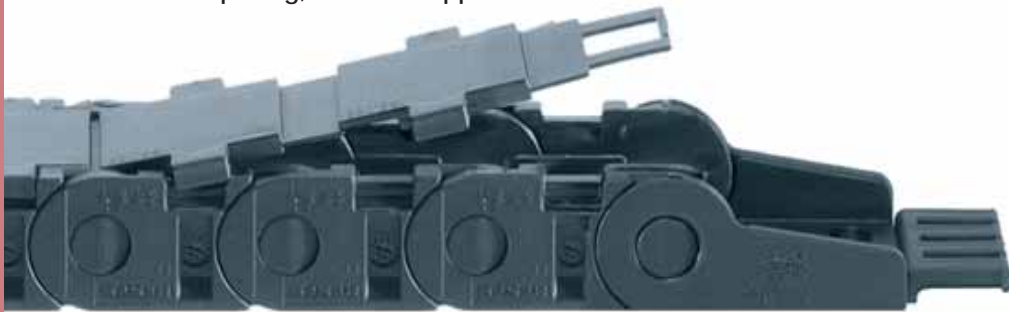
Side plate for use with full-width shelf 110.X and slotted separator 153.

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			



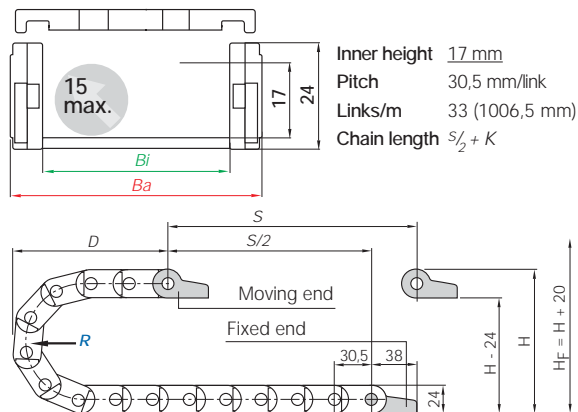
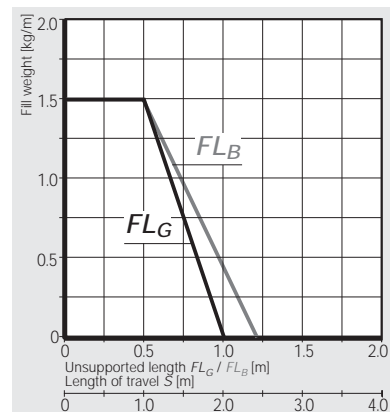
e-tube | Series R15 | Zip-open along outer radius

e-tube zip-open along outer radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
R15. 015 .R.0*	15	26	063 075 100 110 125 145 180	≈ 0,40
R15. 025 .R.0	25	36	063 075 100 110 125 145 180	≈ 0,45
R15. 038 .R.0	38	49	063 075 100 110 125 145 180	≈ 0,51
R15. 050 .R.0*	50	61	063 075 100 110 125 145 180	≈ 0,57
R15. 063 .R.0	63	76	063 075 100 110 125 145 180	≈ 0,68
R15. 080 .R.0	80	94	063 075 100 110 125 145 180	≈ 0,75
R15. 100 .R.0*	100	113	063 075 100 110 125 145 180	≈ 0,81

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

Supplement Part No. with required radius (R) Example: R15.025.063.0

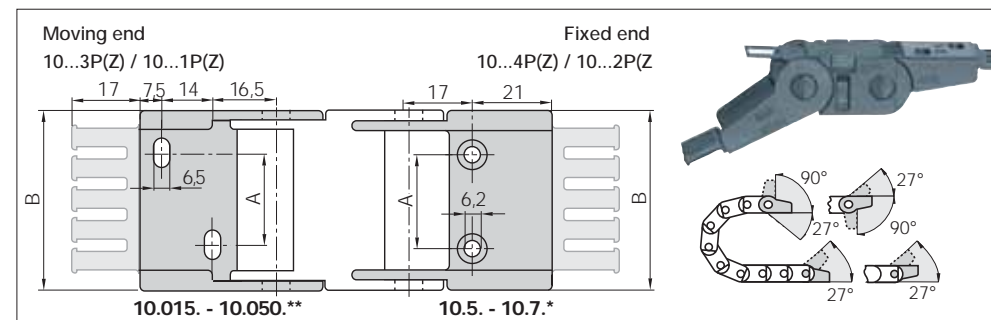
Dimensions



R	063	075	100	110	125	145	180
H	149	173	223	243	273	313	383
D	120	132	157	167	182	202	237
K	260	300	380	410	455	520	630

The required clearance height: $H_F = H + 20$ mm (with 1,0 kg/m fill weight)

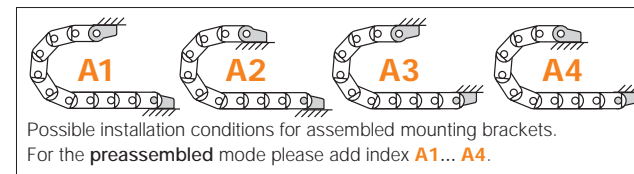
Mounting brackets, polymer one-piece | pivoting | locking



Width Index	Part No. full set pivoting:		Part No. full set locking:		Dim A [mm]	Dim B [mm]	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates			
015.	▶ 1015.34PZ	1015.34P	1015.12PZ	1015.12P	-	25,5	2
025.	▶ 1025.34PZ	1025.34P	1025.12PZ	1025.12P	10	35,5	3
038.	▶ 1038.34PZ	1038.34P	1038.12PZ	1038.12P	23	48,5	4
050.	▶ 1050.34PZ	1050.34P	1050.12PZ	1050.12P	35	60,5	5
5.	▶ 105. 34PZ	105. 34P	105. 12PZ	105. 12P	48	75,0	6
6.	▶ 106. 34PZ	106. 34P	106. 12PZ	106. 12P	65	92,0	8
7.	▶ 107. 34PZ	107. 34P	107. 12PZ	107. 12P	85	112,0	10

** Drilling pattern for width index: 15.015. - 15.050. see drawing left. Each valid for Moving end and Fixed end

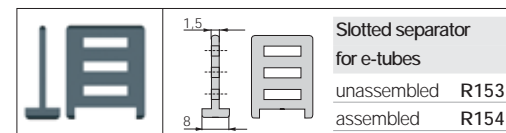
* Drilling pattern for width index: 15.5 - 15.7. see drawing right. Each valid for Moving end and Fixed end



Part No. structure

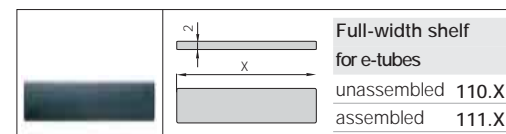
- 1025. 34 PZ A1
- A... must be indicated on preassembled configurations
- With strain relief tiewrap plates
- Full set pivoting
- Mounting bracket for selected width index

Interior separation



Slotted separator R153

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

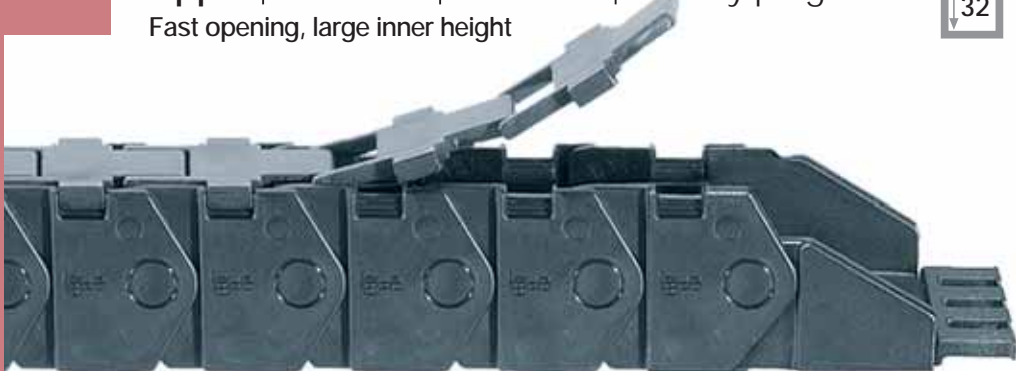


Full-width shelf R110.X

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 3 different heights (in 5 mm increments).

Full-width shelves

Width X [mm]	unassembled		assembled	
	Width X [mm]	unassembled	Width X [mm]	assembled
025	110.25	111.25	063	110.63 111.63
038	110.38	111.38	080	110.80 111.80

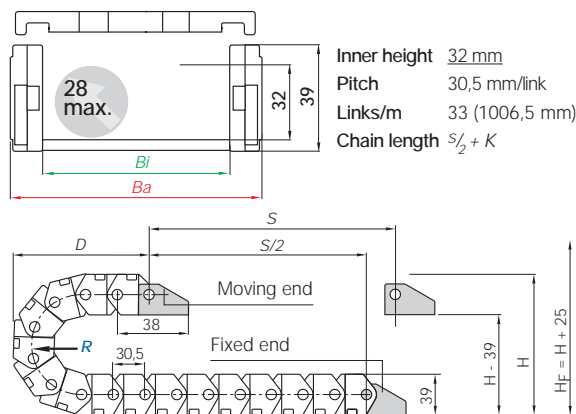
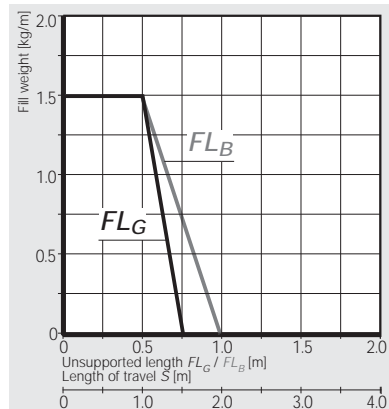


e-chain® | Series 17 | Zip-open along outer radius

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

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

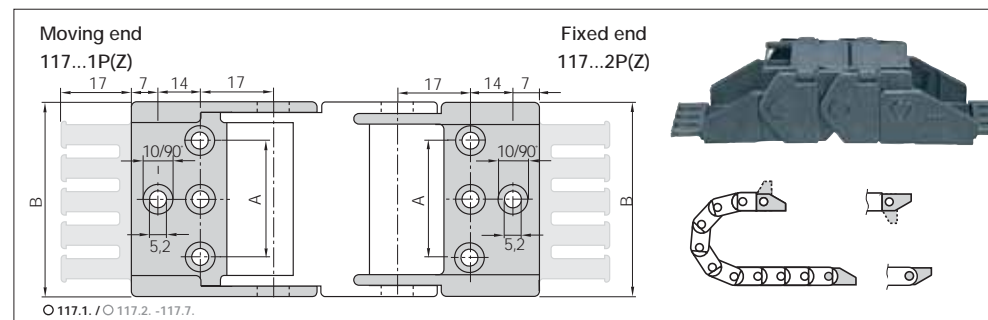
Dimensions



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

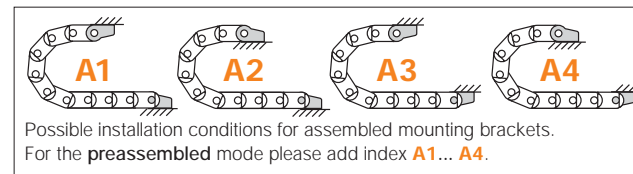
The required clearance height: $H_f = H + 25$ mm (with 1,5 kg/m fill weight)

Mounting brackets, polymer one-piece | locking



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

○ Drilling pattern for width index: 117.1. center bores only / ○ 117.2. - 117.7. outer bores only (see figure above)



Part No. structure	Description
117.2. 12 PZ A1	A... must be indicated on preassembled configurations
	With strain relief tiewrap plates
	Full set locking
	Mounting bracket for selected width index

Interior separation | Standard | Further interior separation elements ▶ www.igus.co.uk/en/17

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

unassembled	171
assembled	172

Slotted separator for 17.5 bis 17.7
is used when vertical and horizontal separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.

unassembled	173
assembled	174

Full-width shelf for e-chains®
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).

unassembled	110.X
assembled	111.X

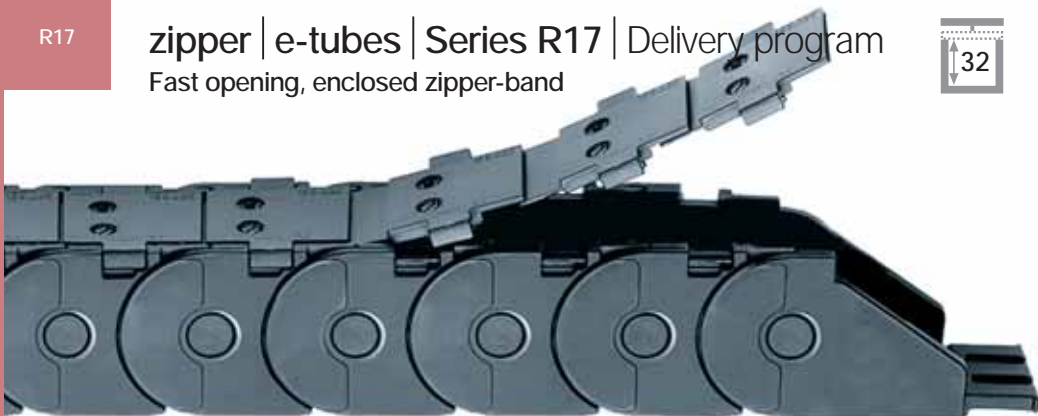
Slotted separator 171 (17.1 up to 17.4) is used when vertical and horizontal separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.

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

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

Full-width shelves

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			

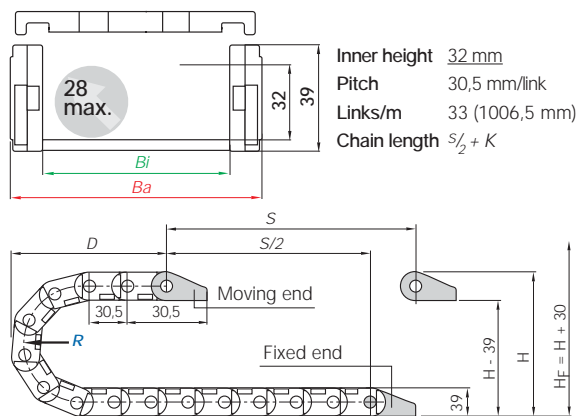
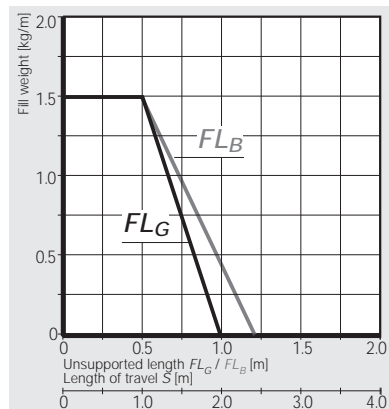


e-chain® | Series R17 | Zip-open along outer radius

e-tube zip-open along outer radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
R17. 015 .R.0	15	26	063 075 100 125	≈ 0,57
R17. 025 .R.0	25	36	063 075 100 125	≈ 0,64
R17. 063 .R.0	63	74	063 075 100 125	≈ 0,88

Supplement Part No. with required radius (R) Example: R17.015.063.0

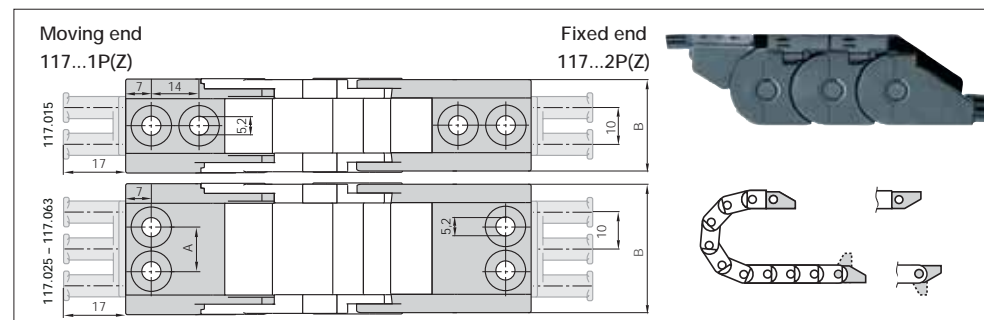
Dimensions



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

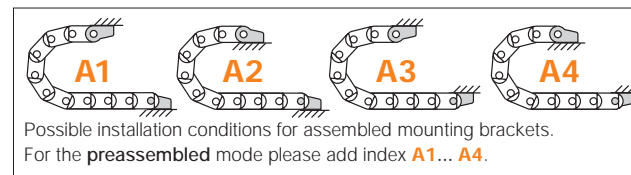
The required clearance height: $H_F = H + 30$ mm (with 1,0 kg/m fill weight)

Mounting brackets, polymer one-piece | locking



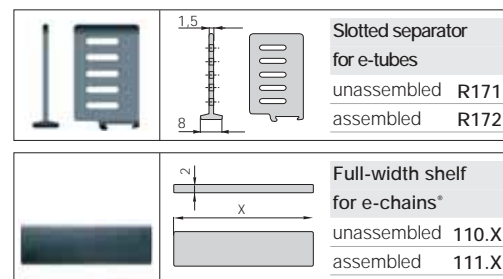
Width Index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	Dim A [mm]	Dim B [mm]	Number of teeth
015. ►	117.015.12PZ	117.015.12P	-	25,7	2
025. ►	117.025.12PZ	117.025.12P	12	35,7	3
063. ►	117.063.12PZ	117.063.12P	48	73,7	6

Drilling pattern for width index: 117.015. center bores only / 117.025. -117.7. outer bores only (see figure above)



Part No. structure	Description
117.015. 12 PZ A1	A... must be indicated on preassembled configurations
	With strain relief tiewrap plates
	Full set locking
	Mounting bracket for selected width index

Interior separation



Slotted separator R171

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

Full-width shelf 110.X

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

Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
015	110.15	111.15	063	110.63	111.63
025	110.25	111.25			



Universal:
Mounting bracket with strain relief option

Cost-effective:
Very lightweight, low price

Smooth:
Dirt-repellent exterior

Quiet:
Small pitch for smooth running

Variations:
Available as one-piece design, non snap-open (Series 03/04/045/05/06/08)

Variations:
Available as two-piece design, snap-open along outer radius (Series B07/B09)

Variations:
Available as one-piece design, snap-open along inner radius with film-hinge (Series 074/094)


E2 micro - smallest inner heights and bending radii

E2 micro are very small, one-piece or two-piece (B07/B09), lightweight e-chains® ideal for high dynamic applications. E2 micro e-chains® are very cost effective and available in thousands of variations. igus® also offers a host of accessories and fixation options. "Upgrades" to openable versions are available for many types. In these cases they are interchangeable and offer more services as repair kits or new installations.


- 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-effective


Typical industries and applications


- Models (micro e-chains®)
- Automatic doors
- Vehicles
- Measuring machines
- Electric equipment
- Handlings
- Pick and place robots
- General machinery

 Clean room test upon request

 iF-Design Award - for E2 micro - Series 05

 42 dB(A) tested in igus® lab, v = 1,0 m/s unsupported, Series 06.10.038.0

 UL94-V2 classification - for Series 03, 074, 094 (UL94-V0 upon request)

 Electrically conductive ESD/ATEX versions upon request

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 max. length [m]	Page
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E2 micro - One-piece e-chains®
One-piece, non snap-open

03	5,0	5 - 10	8,7 - 13,7	8,0	10 - 28	0,40	200
04	7,0	7 - 30	12,0 - 35,0	10,0	15 - 48	0,50	202
045	10,3	6 - 64	12,0 - 70,0	12,5	18 - 38	0,50	204
05	10,0	6 - 64	10,0 - 68,0	12,0	18 - 38	0,55	206
06	10,5	6 - 64	12,5 - 71,0	15,0	18 - 38	0,60	208
08	15,0	10 - 50	18,2 - 58,2	19,3	25 - 48	1,00	216



E2 micro - One-piece e-chains®
Snap-open along inner radius with film-hinge

074 New*	10,9	10	18,2	15,0	18 - 38	0,55	212
094 New*	14,3	10	18,2	19,3	28 - 48	1,00	214



E2 micro - Two-piece e-chains®
Snap-open along outer radius

B07	10,3	16 - 40	22,5 - 47,0	15,0	18 - 38	0,55	210
B09	14,3	16 - 40	24,2 - 48,2	19,3	28 - 48	1,00	218

* in this catalog

Technical Data

	Gliding speed / acceleration (maximum)	max. 3 [m/s] / max. 10 [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
	Material - permitted temperature °C, igumid NB (only Series 03, 074, 094)	-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

e-chain® Series	Unsupported application	Vertical hanging	Vertical standing	Side mounted unsupported	Rotary application	Zig-zag application
03	≤ 0,40 m	upon request	upon request	upon request	with rework	upon request
04	≤ 0,50 m	upon request	upon request	upon request	with rework	upon request
045	≤ 0,50 m	upon request	upon request	upon request	with rework	upon request
05	≤ 0,55 m	upon request	upon request	upon request	with rework	upon request
06	≤ 0,60 m	upon request	upon request	upon request	with rework	upon request
B07	≤ 0,55 m	upon request	upon request	upon request	with rework	upon request
074 New*	≤ 0,55 m	upon request	upon request	upon request	with rework	upon request
094 New*	≤ 1,00 m	upon request	upon request	upon request	with rework	upon request
08	≤ 1,00 m	upon request	upon request	upon request	with rework	upon request
B09	≤ 1,00 m	upon request	upon request	upon request	with rework	upon request

* in this catalog

Options with order keys based on Series 08

Standard	NC-Version - (no camber) without pretension	Reverse bending radius for circular movements	ESD / ATEX classified e-chains® II 2 GD
 Part No. Standard e-chains® 	Part No. NC-Version e-chains® 	Part No. RBR e-chains® 	Part No. ESD-Material e-chains®
08.50.R.0	08.50.R.0.NC	08.50.R1/R2.0	08.50.R.0.ESD
Delivery from stock	Delivery time: upon request	Delivery time: upon request	Delivery time: upon request

Order example | Order key and color options based on Series 08

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 50 links	08.50.038.0
+ Mounting brackets	1 set (+ tiwrap plates)	080.50.12PZ
+ Interior separation	with 2 separators assembled every 2 nd link	2 x B09.2.1

Order text: 1,0 m 08.50.038.0 + 080.50.12PZ + 2 x B09.2.1

Order key	General igus® color options for e-chains® and e-tubes			
 e-chain®, non snap-open 08.50.038.0 Series / Type Width index (depends on B) Bending radius R Color index (standard black)	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

08.50.038.0 = e-chain®, one-piece, non snap-open, inner width **B** 50 mm, radius **R** 38 mm, color black
 Black e-chains® available from stock!
 Delivery time for special colors: upon request

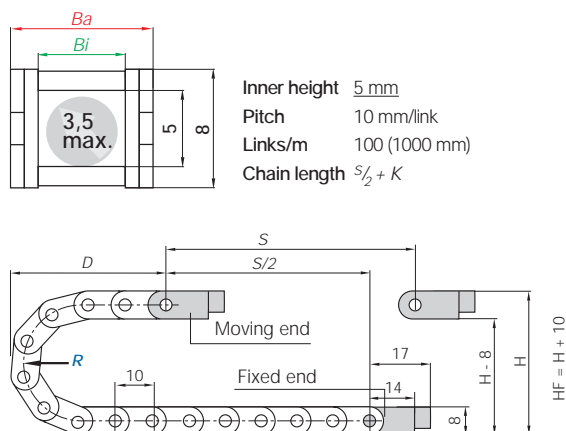
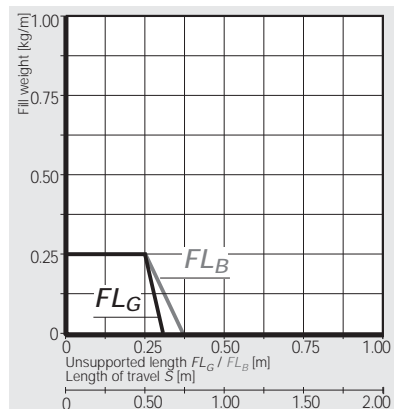


Series 03 | One-piece, non snap-open e-chain*

e-chain* non snap-open	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
03. 05 .R.0	5	8,7	010 012 015 018 028	≈ 0,04
03. 07 .R.0	7	10,7	010 012 015 018 028	≈ 0,05
03. 10 .R.0	10	13,7	010 012 015 018 028	≈ 0,06

Supplement Part No. with required radius (R) Example: 03.05.028.0

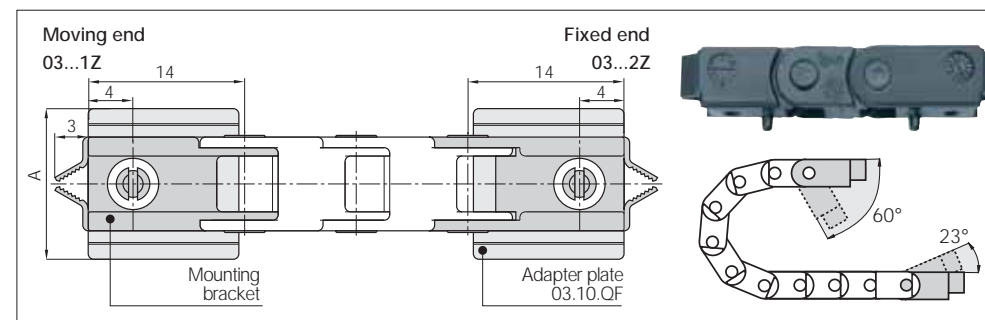
Dimensions



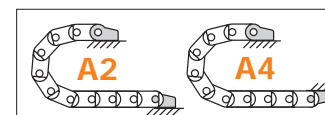
R	010	012	015	018	028
H	28	32	38	44	64
D	29	31	34	37	47
K	55	60	70	80	110

The required clearance height: $H_F = H + 10$ mm (with 0,1 kg/m fill weight)

Mounting brackets, polymer one-piece | pivoting



Width Index	Part No. full set	Dim A [mm]
.05. ►	03.05. 12Z	8,7
.07. ►	03.07. 12Z	10,7
.10. ►	03.10. 12Z	13,7



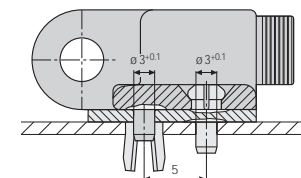
Possible installation conditions for assembled mounting brackets.
For the **preassembled** mode please add index **A2** or **A4**.

Part No. structure

03.05. 12Z **A2**

A... must be indicated on preassembled configurations
Full set

Additional Features



Adapter plate for rapid installation: for all sizes of Part No. 03.10.QF

The adapter has broken edges so that it can be adapted to the respective chain width. It is not absolutely necessary when attaching the mounting brackets. The mounting brackets can also be screwed on without the adapter plate.

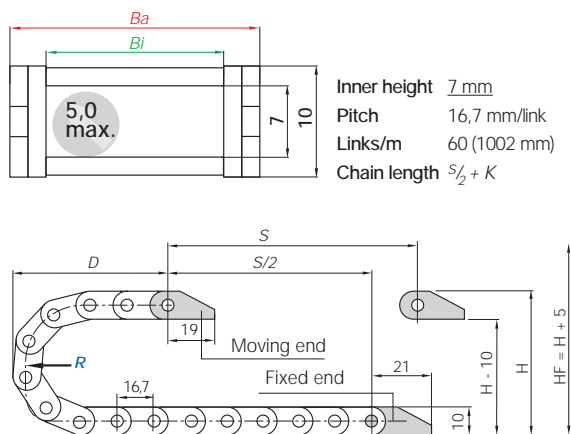
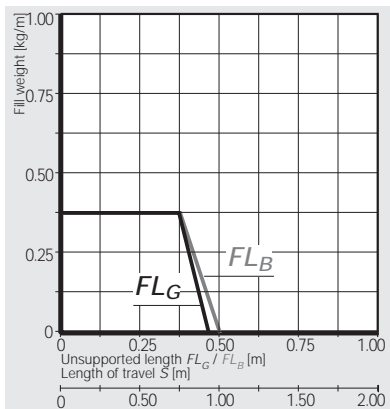


Series 04 | One-piece, non snap-open e-chain*

e-chain* non snap-open	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
04. 07 .R.0	7	12	015 018 028 038 048	≈ 0,07
04. 10 .R.0	10	15	015 018 028 038 048	≈ 0,08
04. 16 .R.0	16	21	015 018 028 038 048	≈ 0,09
04. 20 .R.0	20	25	015 018 028 038 048	≈ 0,10
04. 30 .R.0	30	35	015 018 028 038 048	≈ 0,11

Supplement Part No. with required radius (R) Example: 04.10.028.0

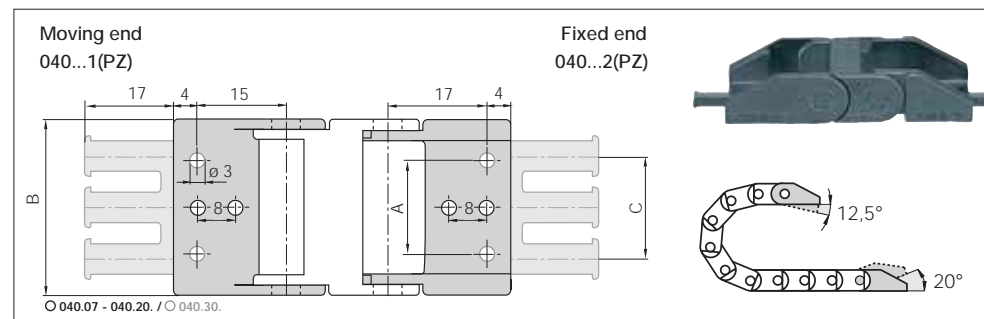
Dimensions



R	015	018	028	038	048
H	40	46	66	86	106
D	45	48	58	68	78
K	85	90	125	155	185

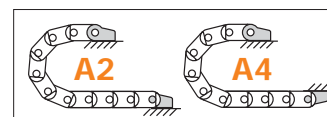
The required clearance height: $H_F = H + 5$ mm (with 0,1 kg/m fill weight)

Mounting brackets, polymer one-piece | pivoting | More features ► www.igus.co.uk/en/04



Width Index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	Dim A [mm]	Dim B [mm]	Dim C [mm]	Number of teeth
.07. ►	040.07.12PZ	040.07.12	-	12	-	1
.10. ►	040.10.12PZ	040.10.12	-	15	-	1
.16. ►	040.16.12PZ	040.16.12	-	21	10	2
.20. ►	040.20.12PZ	040.20.12	-	25	10	2
.30. ►	040.30.12PZ	040.30.12	22	35	20	3

○ Drilling pattern for width index: 040.07 - 040.20. center bores only / ○ 040.30. outer bores only (see figure above)



Possible installation conditions for assembled mounting brackets.
For the **preassembled** mode please add index **A2** or **A4**.

Part No. structure

Part No. structure	Notes
040.07. 12 PZ A2	A... must be indicated on preassembled configurations
Full set	With strain relief tiewrap plates
Full set	Full set
Mounting bracket for selected width index	Mounting bracket for selected width index

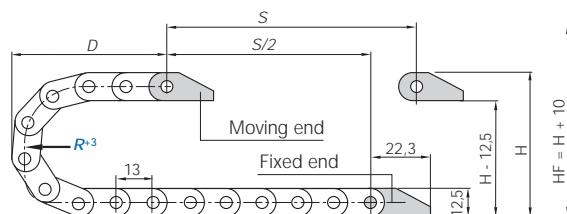
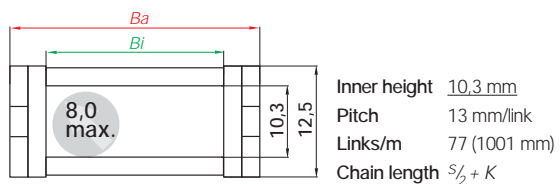
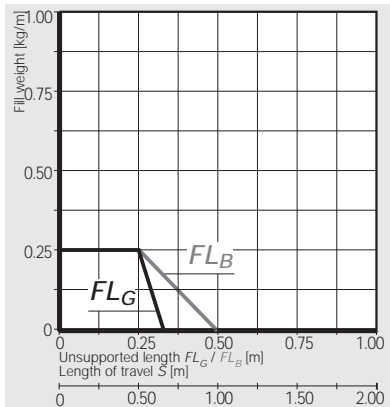


Series 045 | One-piece, non snap-open e-chain*

e-chain* non snap-open	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/m]
045.06 .R.0	6	12	018 028 038	≈ 0,09
045.10 .R.0	10	16	018 028 038	≈ 0,10
045.16 .R.0	16	22	018 028 038	≈ 0,11
045.20 .R.0	20	26	018 028 038	≈ 0,13
045.30 .R.0	30	36	018 028 038	≈ 0,16
045.64 .R.0	64	70	018 028 038	≈ 0,19

Supplement Part No. with required radius (*R*) Example: 045.10.028.0

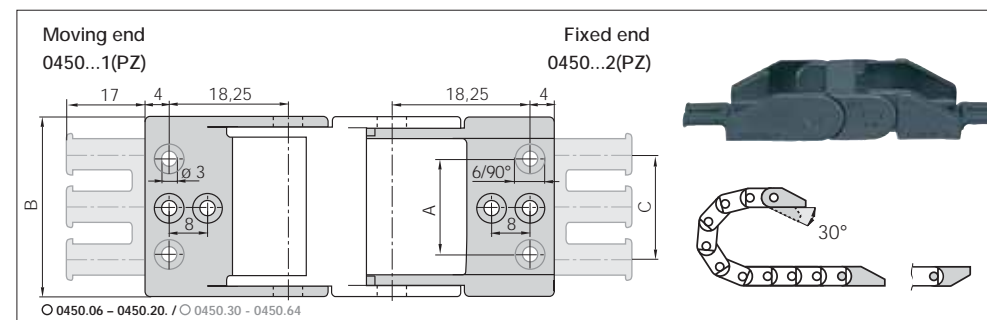
Dimensions



<i>R</i>	018	028	038
<i>H</i>	48,5	68,5	88,5
<i>D</i>	44	54	64
<i>K</i>	85	115	150

The required clearance height: $H_F = H + 10$ mm (with 0,2 kg/m fill weight)

Mounting brackets, polymer one-piece | one side pivoting

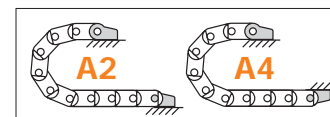


Width Index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	Dim A [mm]	Dim B [mm]	Dim C [mm]	Number of teeth
.06. ►	0450.06.12PZ	0450.06.12	-	12	-	1
.10. ►	0450.10.12PZ	0450.10.12	-	16	-	1
.16. ►	0450.16.12PZ	0450.16.12	-	22	10	2
.20. ►	0450.20.12PZ	0450.20.12	-	26	10	2
.30. ►	0450.30.12PZ	0450.30.12	22	36	20	3
.64. ►	0450.64.12PZ	0450.64.12	56	70	50	6

Mounting bracket with strain relief tiewrap plate has reductions of $\varnothing 3$ mm / $\varnothing 6$ mm, 90°.

Mounting bracket without strain relief tiewrap plate only has holes of $\varnothing 3$ mm.

○ Drilling pattern for width index: 0450.06 - 0450.20. center bores only / ○ 0450.30 - 0450.64. outer bores only (see figure above)



Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index **A2** or **A4**.

Part No. structure

0450.10.12 PZ **A2** A... must be indicated on preassembled configurations

- With strain relief tiewrap plates
- Full set
- Mounting bracket for selected width index

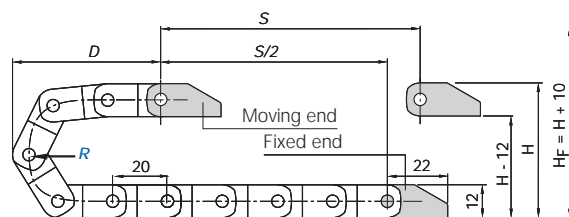
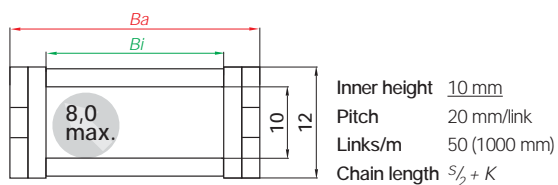
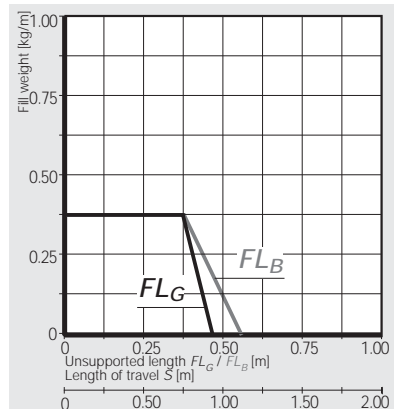


Series 05 | One-piece, non snap-open e-chain*

e-chain* non snap-open	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/m]
05. 06 .R.0	6	10	018 028 038	≈ 0,06
05. 10 .R.0	10	14	018 028 038	≈ 0,07
05. 16 .R.0	16	20	018 028 038	≈ 0,07
05. 20 .R.0	20	24	018 028 038	≈ 0,08
05. 30 .R.0	30	34	018 028 038	≈ 0,09
05. 64 .R.0	64	68	018 028 038	≈ 0,19

Supplement Part No. with required radius (*R*) Example: 05.10.028.0

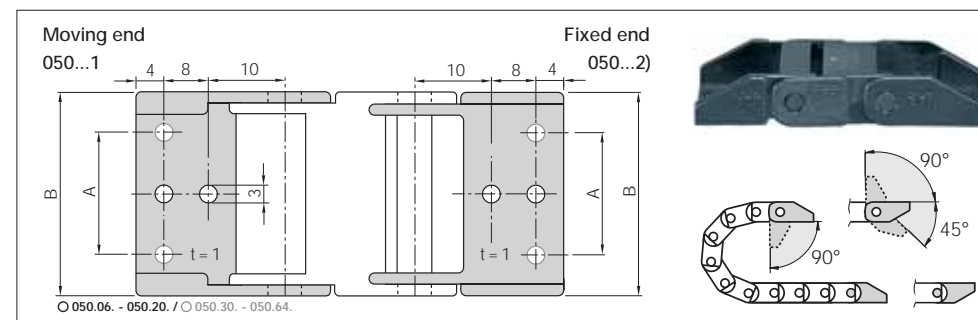
Dimensions



<i>R</i>	018	028	038
<i>H</i>	48	68	88
<i>D</i>	54	64	74
<i>K</i>	100	130	160

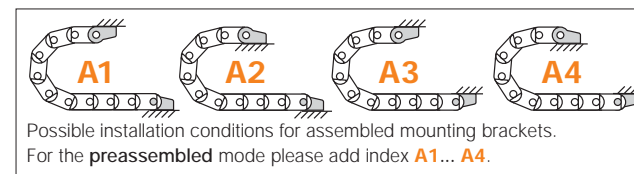
The required clearance height: $H_F = H + 10$ mm (with 0,2 kg/m fill weight)

Mounting brackets, polymer one-piece | one side pivoting



Width Index	Part No. full set	Dim A [mm]	Dim B [mm]	Number of teeth
.06. ►	050.06.12	-	10,7	-
.10. ►	050.10.12	-	14,7	-
.16. ►	050.16.12	-	20,7	-
.20. ►	050.20.12	-	24,7	-
.30. ►	050.30.12	22	34,7	-
.64. ►	050.64.12	56	68,7	-

○ Drilling pattern for width index: 050.06 - 050.20. center bores only / ○ 050.30 - 050.64. outer bores only (see figure above)



Part No. structure

050.10. 12 A1

A... must be indicated on preassembled configurations
Full set
Mounting bracket for selected width index

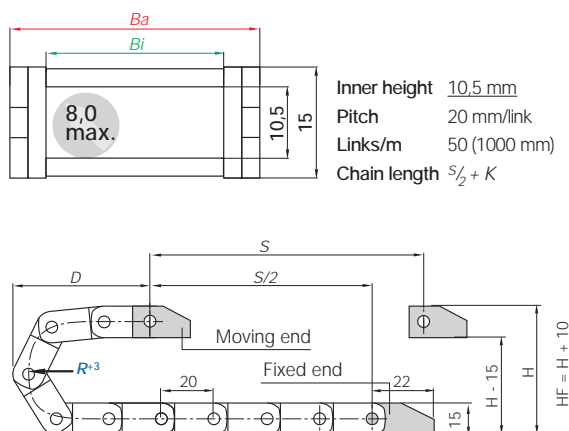
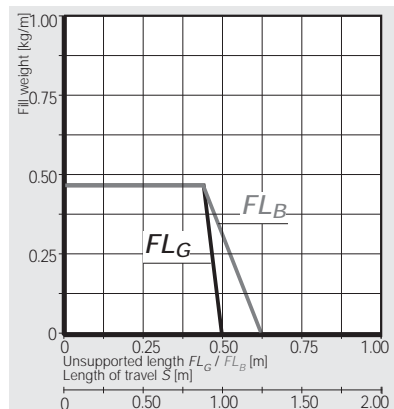


Series 06 | One-piece, non snap-open e-chain*

e-chain* non snap-open	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
06. 06 .R.0	6	12,5	018 028 038	≈ 0,13
06. 10 .R.0	10	16,5	018 028 038	≈ 0,14
06. 16 .R.0	16	22,5	018 028 038	≈ 0,16
06. 20 .R.0	20	27	018 028 038	≈ 0,17
06. 30 .R.0	30	37	018 028 038	≈ 0,20
06. 40 .R.0	40	47	018 028 038	≈ 0,23
06. 50 .R.0	50	57	018 028 038	≈ 0,26
06. 64 .R.0	64	71	018 028 038	≈ 0,30

Supplement Part No. with required radius (R) Example: 06.10.028.0

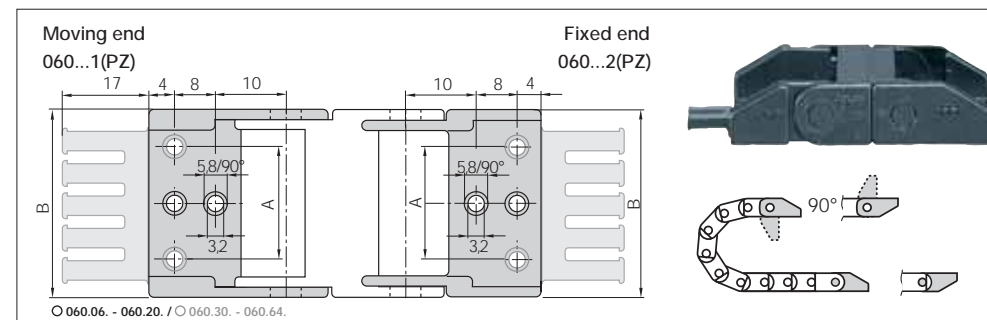
Dimensions



R	018	028	038
H	51	71	91
D	56	66	76
K	100	130	160

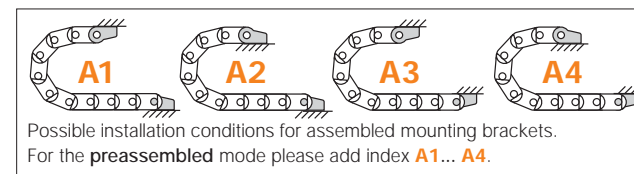
The required clearance height: $H_F = H + 10$ mm (with 0,2 kg/m fill weight)

Mounting brackets, polymer one-piece | locking | More features ► www.igus.co.uk/en/06



Width Index	Part No. full set with tie-wrap plates	Part No. full set without tie-wrap plates	Dim A [mm]	Dim B [mm]	Number of teeth
.06. ►	060.06.12PZ	060.06.12	-	12,5	1
.10. ►	060.10.12PZ	060.10.12	-	16,5	1
.16. ►	060.16.12PZ	060.16.12	-	22,5	2
.20. ►	060.20.12PZ	060.20.12	-	27,0	2
.30. ►	060.30.12PZ	060.30.12	22	37,0	3
.40. ►	060.40.12PZ	060.40.12	32	47,0	4
.50. ►	060.50.12PZ	060.50.12	42	57,0	5
.64. ►	060.64.12PZ	060.64.12	56	71,0	6

○ Drilling pattern for width index: 060.06. - 060.20. center bores only / ○ 060.30. - 060.64. outer bores only (see figure above)



Part No. structure

060.10. 12 PZ A1 A... must be indicated on preassembled configurations

- With strain relief tie-wrap plates
- Full set
- Mounting bracket for selected width index

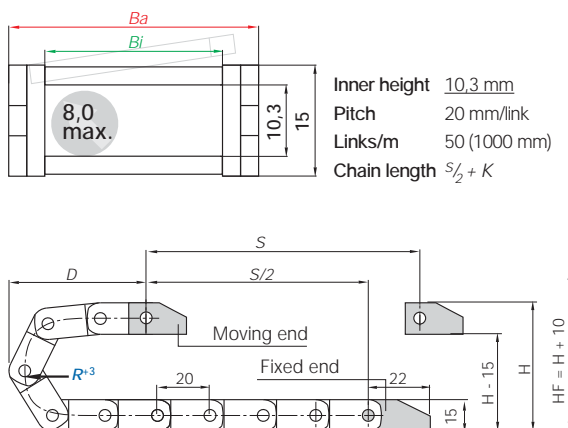
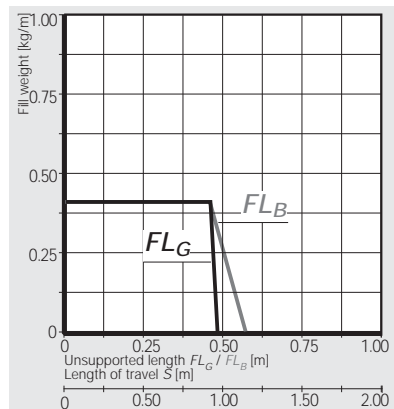


Series B07 | Two-piece link design, snap-open along outer radius

Snap-open along outer radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/m]
B07. 16 .R.0	16	22,5	018 028 038	≈ 0,16
B07. 20 .R.0	20	27	018 028 038	≈ 0,17
B07. 30 .R.0	30	37	018 028 038	≈ 0,20
B07. 40 .R.0	40	47	018 028 038	≈ 0,23

Supplement Part No. with required radius (*R*) Example: B07.40.038.0

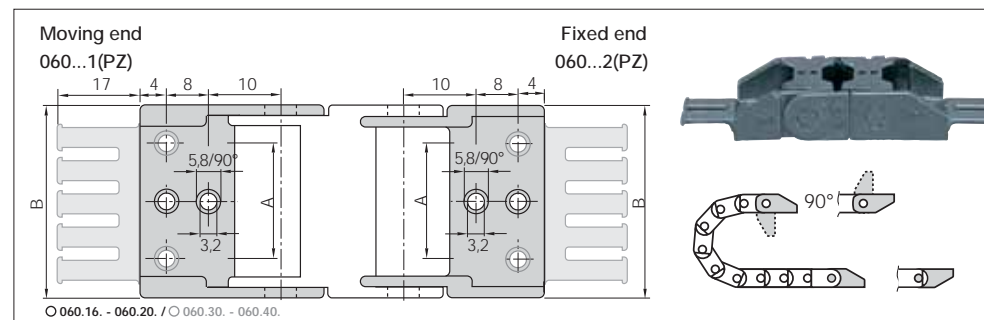
Dimensions



<i>R</i>	018	028	038
<i>H</i>	51	71	91
<i>D</i>	56	66	76
<i>K</i>	100	130	160

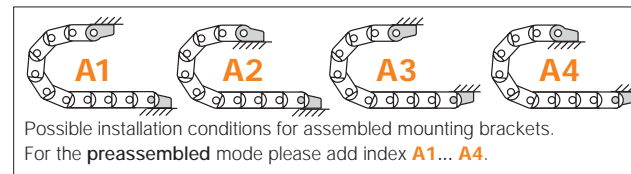
The required clearance height: $H_F = H + 10$ mm (with 0,2 kg/m fill weight)

Mounting brackets, polymer one-piece | locking | More features ► www.igus.co.uk/en/B07



Width Index	Part No. full set with tie-wrap plates	Part No. full set without tie-wrap plates	Dim A [mm]	Dim B [mm]	Number of teeth
.16. ►	060.16. 12PZ	060.16. 12	-	22,5	2
.20. ►	060.20. 12PZ	060.20. 12	-	27,0	2
.30. ►	060.30. 12PZ	060.30. 12	22	37,0	3
.40. ►	060.40. 12PZ	060.40. 12	32	47,0	4

○ Drilling pattern for width index: 060.16 - 060.20. center bores only / ○ 060.30 - 060.40. outer bores only (see figure above)



Part No. structure	Notes
060.40. 12 PZ A1	A... must be indicated on preassembled configurations
	With strain relief tie-wrap plates
	Full set
	Mounting bracket for selected width index



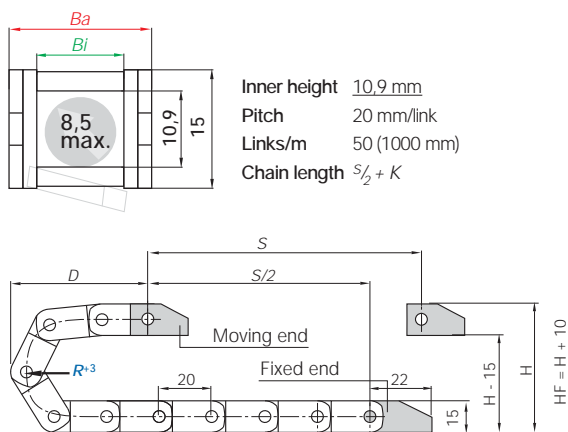
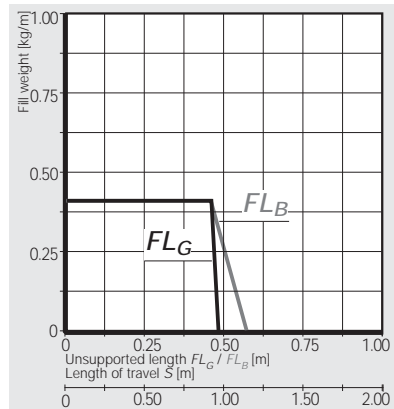
Series 074 | One-piece, snap-open along inner radius with film-hinge

Snap-open along inner radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/m]
074.10 .R.0	10	18,2	018 028 038	≈ 0,15
074.16 .R.0*	16	22,5	018 028 038	≈ 0,16
074.20 .R.0*	20	27	018 028 038	≈ 0,17
074.30 .R.0*	30	37	018 028 038	≈ 0,20
074.40 .R.0*	40	47	018 028 038	≈ 0,23

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

Supplement Part No. with required radius (*R*) Example: 074.10.018.0

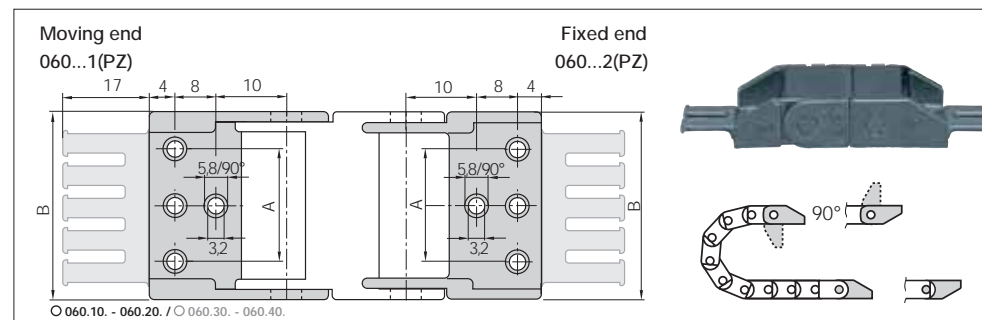
Dimensions



<i>R</i>	018	028	038
<i>H</i>	51	71	91
<i>D</i>	56	66	76
<i>K</i>	100	130	160

The required clearance height: $H_F = H + 10$ mm (with 0,2 kg/m fill weight)

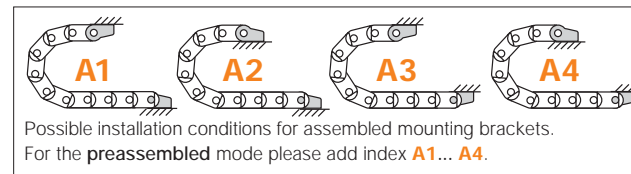
Mounting brackets, polymer one-piece | locking | More features ▶ www.igus.co.uk/en/074



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
.10. ▶	060.10. 12PZ	060.10. 12	-	16,5	1
.16. ▶	060.16. 12PZ*	060.16. 12*	-	22,5	2
.20. ▶	060.20. 12PZ*	060.20. 12*	-	27	2
.30. ▶	060.30. 12PZ*	060.30. 12*	22	37	3
.40. ▶	060.40. 12PZ*	060.40. 12*	32	47	4

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

○ Drilling pattern for width index: 060.10. - 060.20. center bores only / ○ 060.30. - 060.40. outer bores only (see figure above)



Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index A1... A4.

Part No. structure

060.10. 12 PZ A1	A... must be indicated on preassembled configurations
	With strain relief tiewrap plates
	Full set
	Mounting bracket for selected width index



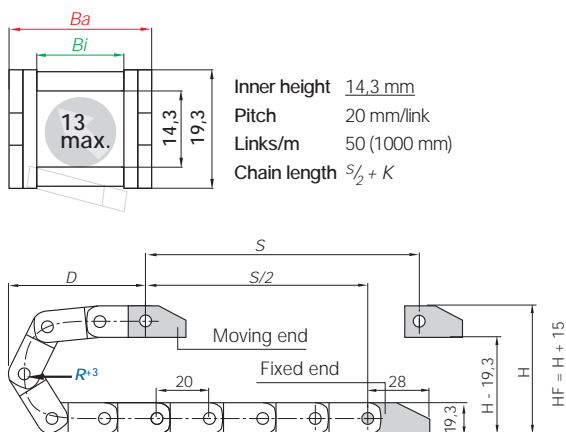
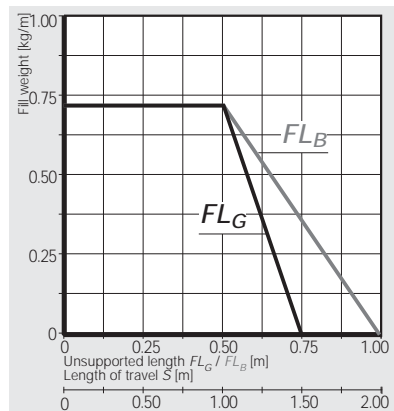
Series 094 | One-piece, snap-open along inner radius with film-hinge

Snap-open along inner radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
094.10 .R.0	10	18,2	028 038 048	≈ 0,23
094.16 .R.0*	16	24,2	028 038 048	≈ 0,24
094.20 .R.0*	20	28,2	028 038 048	≈ 0,25
094.30 .R.0*	30	38,2	028 038 048	≈ 0,28
094.40 .R.0*	40	48,2	028 038 048	≈ 0,31

Width available upon request, please consult igus for delivery time

Supplement Part No. with required radius (R) Example: 094.10.028.0

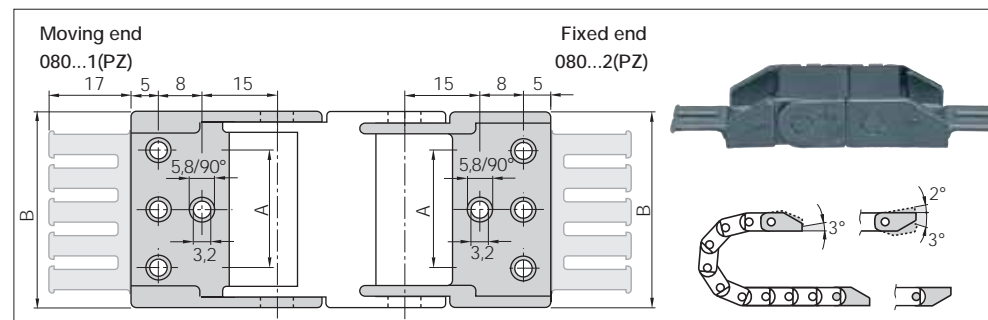
Dimensions



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

The required clearance height: $H_f = H + 15$ mm (with 0,3 kg/m fill weight)

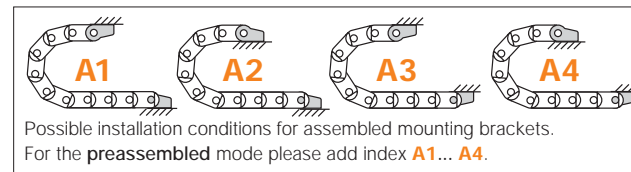
Mounting brackets, polymer one-piece | locking | More features ► www.igus.co.uk/en/094



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
.10. ►	080.10.12PZ	080.10.12	-	18,2	1
.16. ►	080.16.12PZ*	080.16.12*	-	24,2	2
.20. ►	080.20.12PZ*	080.20.12*	-	28,2	2
.30. ►	080.30.12PZ*	080.30.12*	22	38,2	3
.40. ►	080.40.12PZ*	080.40.12*	32	48,2	4

Width available upon request, please consult igus for delivery time

Drilling pattern for width index: 080.10. - 080.20. center bores only / 080.30. - 080.40. all bores (see figure above)



Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index A1... A4.

Part No. structure
 080.10.12 PZ A1 A... must be indicated on preassembled configurations
 With strain relief tiewrap plates
 Full set
 Mounting bracket for selected width index



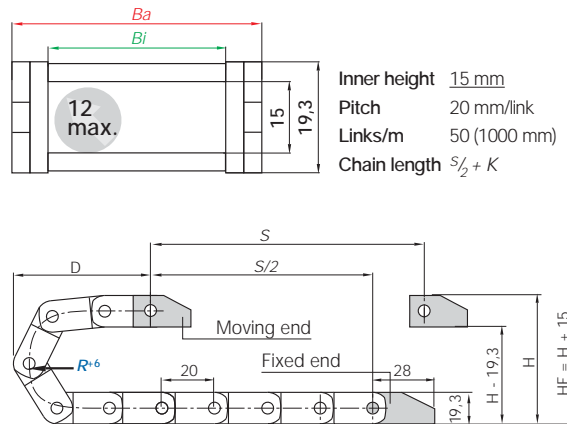
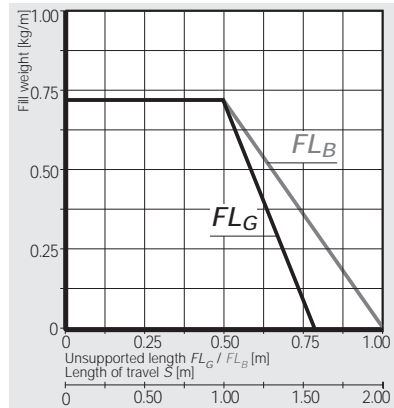
Series 08 | One-piece, non snap-open e-chain*

e-chain* non snap-open	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
08. 10 .R.0	10	18,2	025 028 038 048	≈ 0,21
08. 13 .R.0	13	21,2	025* 028 038 048*	≈ 0,23
08. 16 .R.0	16	24,2	025* 028 038 048	≈ 0,24
08. 20 .R.0	20	28,2	025 028 038 048	≈ 0,25
08. 30 .R.0	30	38,2	025* 028 038 048	≈ 0,28
08. 40 .R.0	40	48,2	025* 028 038 048	≈ 0,31
08. 50 .R.0	50	58,2	025* 028 038 048	≈ 0,37

Radius available upon request, please consult igus for delivery time

Supplement Part No. with required radius (R) Example: 08.50.038.0

Dimensions

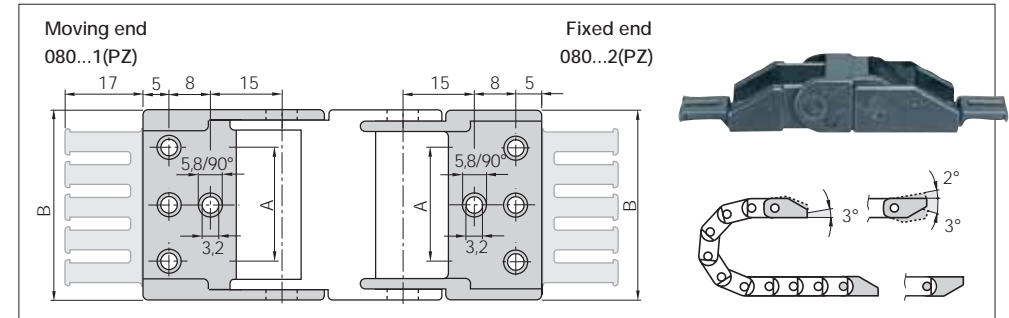


R	025*	028	038	048
H	69	75	95	115
D	65	68	78	88
K	120	130	160	195

The required clearance height: $H_F = H + 15$ mm (with 0,3 kg/m fill weight)

*Radius 025 only for Part.No. 08.10. and 08.20.

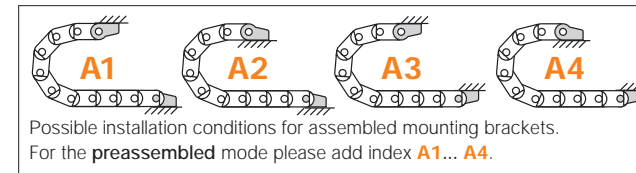
Mounting brackets, polymer one-piece | locking | More features ► www.igus.co.uk/en/08



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
.10. ►	080.10. 12PZ	080.10. 12	-	18,2	1
.13. ►	080.13. 12PZ*	080.13. 12	-	21,2	-
.16. ►	080.16. 12PZ	080.16. 12	-	24,2	2
.20. ►	080.20. 12PZ	080.20. 12	-	28,2	2
.30. ►	080.30. 12PZ	080.30. 12	22	38,2	3
.40. ►	080.40. 12PZ	080.40. 12	32	48,2	4
.50. ►	080.50. 12PZ	080.50. 12	42	58,2	5

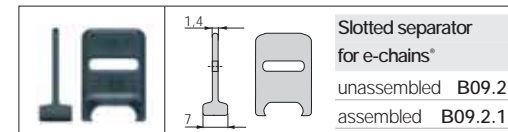
Available upon request, please consult igus for delivery time

Drilling pattern for width index: 080.10. - 080.20. center bores only / 080.30. - 080.50. all bores (see figure above)



Part No. structure	Description
080.50. 12 PZ A1	A... must be indicated on preassembled configurations
	With strain relief tiewrap plates
	Full set
	Mounting bracket for selected width index

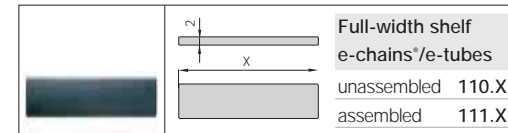
Interior separation



Slotted separator for e-chains*
unassembled B09.2
assembled B09.2.1

Slotted separator B09.2

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



Full-width shelf e-chains*/e-tubes
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

Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
010	110.10	111.10	020	110.20	111.20	050	110.50	111.50
013	110.13	111.13	030	110.30	111.30			
016	110.16	111.16	040	110.40	111.40			

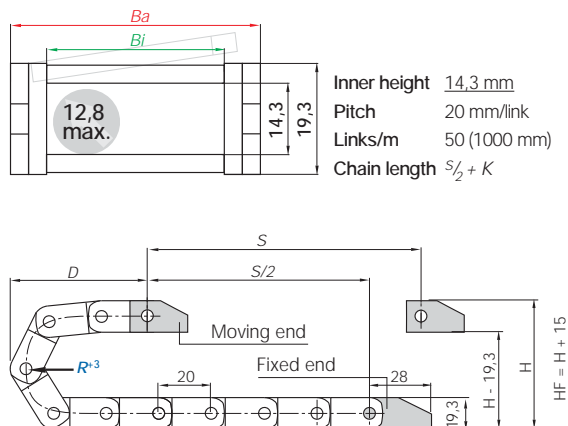
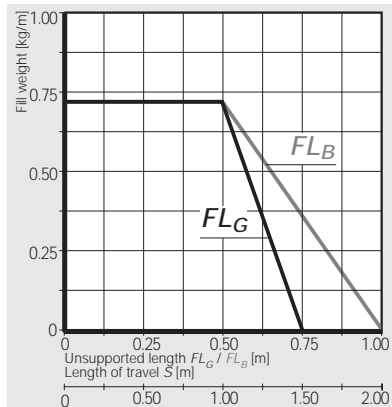


Series B09 | Two-piece link design, snap-open along outer radius

Snap-open along outer radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
B09. 16 .R.0	16	24,2	028 038 048	≈ 0,24
B09. 20 .R.0	20	28,2	028 038 048	≈ 0,25
B09. 30 .R.0	30	38,2	028 038 048	≈ 0,28
B09. 40 .R.0	40	48,2	028 038 048	≈ 0,31

Supplement Part No. with required radius (R) Example: B09.40.038.0

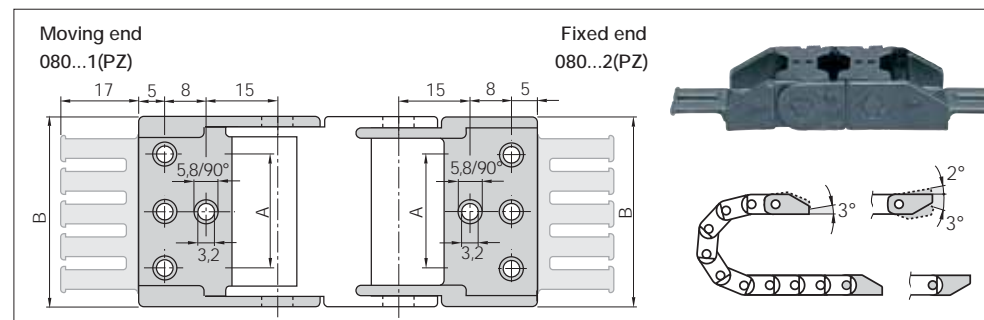
Dimensions



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

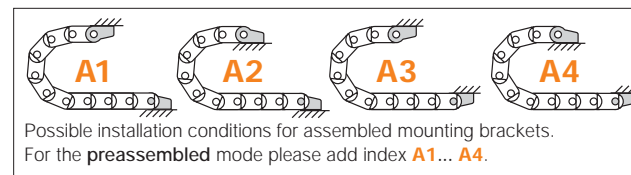
The required clearance height: $H_F = H + 15$ mm (with 0,3 kg/m fill weight)

Mounting brackets, polymer one-piece | locking | More features ► www.igus.co.uk/en/B09



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
.16. ►	080.16. 12PZ	080.16. 12	-	24,2	2
.20. ►	080.20. 12PZ	080.20. 12	-	28,2	2
.30. ►	080.30. 12PZ	080.30. 12	22	38,2	3
.40. ►	080.40. 12PZ	080.40. 12	32	48,2	4

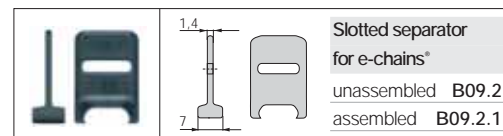
Drilling pattern for width index: 080.16. - 080.20. center bores only / 080.30. - 080.40. all bores (see figure above)



Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index A1... A4.

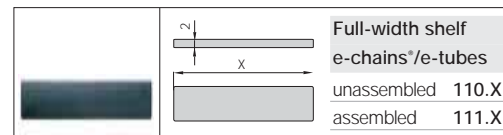
Part No. structure	A... must be indicated on preassembled configurations
080.40. 12 PZ A1	With strain relief tiewrap plates
	Full set
	Mounting bracket for selected width index

Interior separation



Slotted separator for e-chains*
unassembled B09.2
assembled B09.2.1

Slotted separator B09.2 is used when vertical and horizontal separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.



Full-width shelf e-chains*/e-tubes
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

Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
013	110.13	111.13	030	110.30	111.30			
016	110.16	111.16	040	110.40	111.40			

Universal:
Mounting bracket with strain relief option

Space-efficient:
Smallest inner heights and bending radii

Smooth:
Dirt-repellent exterior

Quiet:
Small pitch for smooth running

Variations:
Available as two-piece design, snap-open along inner radius (Series 14/F17)

Variations:
Available as two-piece design, snap-open along outer radius (Series B15/B17)

Variations:
Available as one-piece design, snap-open along inner radius with film-hinge (Series 074/094)

Special version:
Available as one-piece design, non snap-open (Series 10/11.031/11.080/11.1/11.)


E2 mini - small and medium sizes


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.


- 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-effective

Typical industries and applications

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

 Clean room Class 1 (ISO class 3) for Series 10 and 14, tested by the Dryden Engineering Company, California

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

 Electrically conductive ESD/ATEX versions upon request

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 max. length [m]	Page
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E2 mini - One-piece e-chains®
One-piece, non snap-open

10	18	15 - 100	26 - 113	23	028 - 180	1,20	224
11.031	23	31	41,2	28	045 - 070	≈1,35	226
11.080	28	80	93	33,4	038	1,50	228
11.1/11.2	41	15 - 25	25,5 - 35,5	46	040 - 100	≈1,35	230



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	232
F17	32	15	26	39	048	1,20	238



E2 mini - Two-piece e-chains®
Snap-open along outer radius

B15	17	15 - 100	26 - 113	23	038 - 180	1,20	234
B17	32	15 - 100	25,5 - 113	39	048 - 125	1,00	236



E2 mini - Two-piece e-chains®
Snap-open along inner radius

B15i	17	15 - 100	26 - 113	23	038 - 180	1,20	234
B17i	32	38	48,5	39	048 - 125	1,00	236

Technical Data

	Gliding speed / acceleration (maximum)	max. 3 [m/s] / max. 10 [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
	Material - permitted temperature °C, igumid NB (only Series 14, 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

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

Options with order keys based on Series B15

Standard	NC-Version - (no camber) without pretension	Reverse bending radius for circular movements	Unsupported lengths +25% possible	ESD / ATEX classified e-chains® II 2 GD
Part No. Standard e-chains®	Part No. NC-Version e-chains®	Part No. RBR e-chains®	Part No. XXL-Material* e-chains®	Part No. ESD-Material e-chains®
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 from stock	Delivery time: upon request	Delivery time: upon request	Delivery time: upon request	Delivery time: upon request

Order example | Order key and color options based on Series B15

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

e-chain® (1,0 m)	Please indicate e-chain® length or number of links: 1,0 m or 33 links	B15.025.038.0
+ Mounting brackets	1 set (+ tiwrap 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

Snap-open along outer radius **B15.025.038.0**
 Snap-open along inner radius **B15i.025.038.0**

Series / Type
 Width index (depends on B)
 Bending radius R
 Color index (standard black)

General igus® 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	.31	Light grey special color	.14

Black e-chains® available from stock!
 Delivery time for special colors: upon request

B15.025.038.0 = Snap-open along outer radius, inner width **Bi 25** mm, radius **R 38** mm, color black
 B15i.025.038.0 = Snap-open along inner radius, inner width **Bi 25** mm, radius **R 38** mm, color black



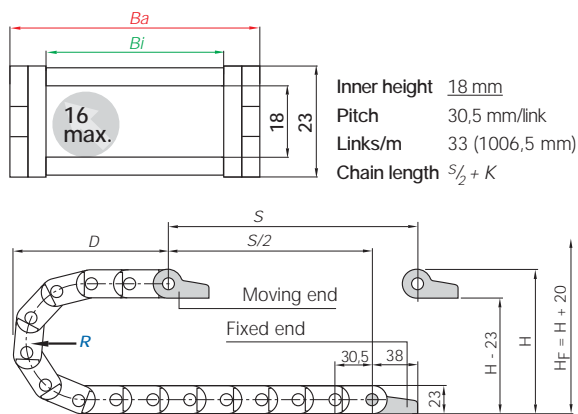
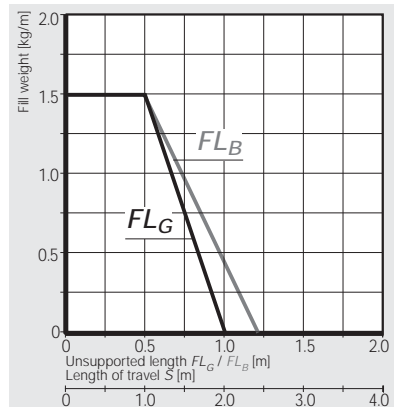
Series 10 | One-piece, non snap-open e-chain*

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

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

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

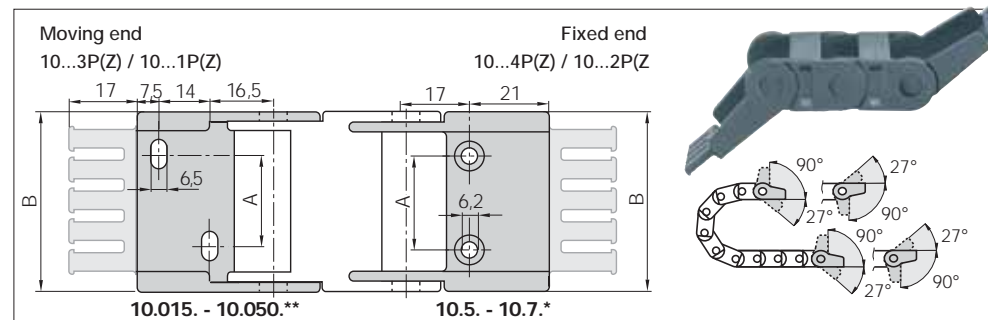
Dimensions



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)

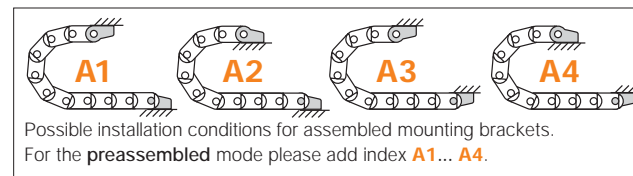
Mounting brackets, polymer one-piece | pivoting | locking



Width Index	Part No. full set pivoting: with tiewrap plates	without tiewrap plates	Part No. full set locking:		Dim A [mm]	Dim B [mm]	Number of teeth
			with tiewrap plates	without tiewrap plates			
015. ►	1015.34PZ	1015.34P	1015.12PZ	1015.12P	-	25,5	2
025. ►	1025.34PZ	1025.34P	1025.12PZ	1025.12P	10	35,5	3
038. ►	1038.34PZ	1038.34P	1038.12PZ	1038.12P	23	48,5	4
050. ►	1050.34PZ	1050.34P	1050.12PZ	1050.12P	35	60,5	5
5. ►	105. 34PZ	105. 34P	105. 12PZ	105. 12P	48	75	6
6. ►	106. 34PZ	106. 34P	106. 12PZ	106. 12P	65	92	8
7. ►	107. 34PZ	107. 34P	107. 12PZ	107. 12P	85	112	10

** Drilling pattern for width index: 15.015 - 15.050. see drawing left. Each valid for Moving end and Fixed end

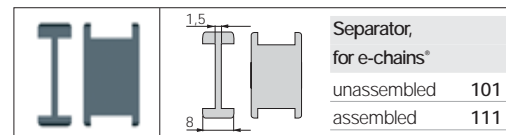
* Drilling pattern for width index: 15.5 - 15.7. see drawing right. Each valid for Moving end and Fixed end



Part No. structure

1025. 34 PZ A1	A... must be indicated on preassembled configurations
	With strain relief tiewrap plates
	Full set pivoting
	Mounting bracket for selected width index

Interior separation



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!

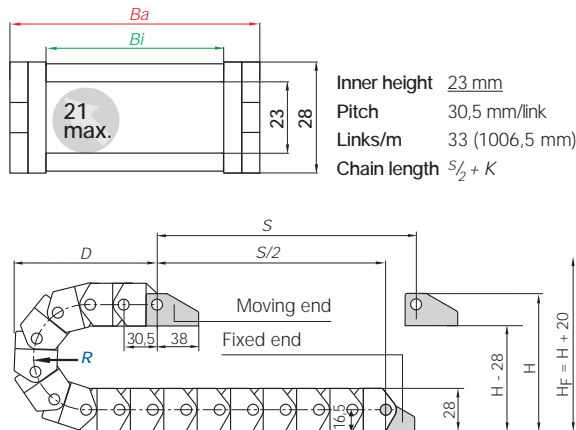
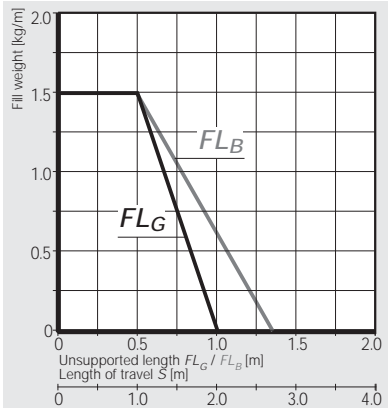


Series 11.031 | One-piece, non snap-open e-chain®

e-chain* non snap-open	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
11. 031 .R.0	31	41,2	045 070	≈ 0,43

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

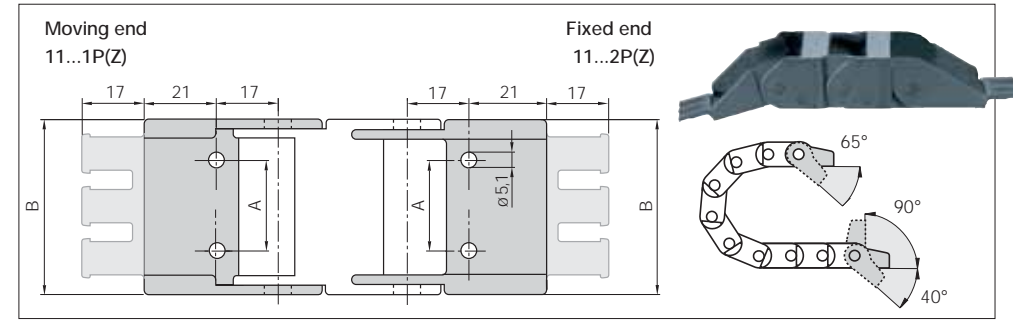
Dimensions



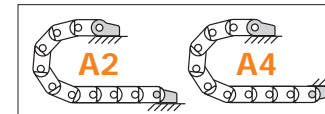
R	045	070
H	123	173
D	107	132
K	205	285

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

Mounting brackets, polymer one-piece | pivoting



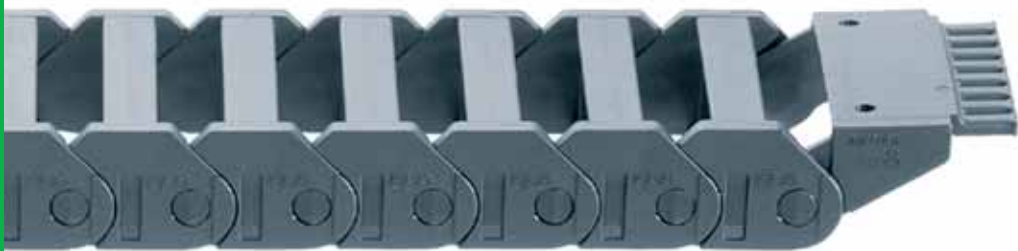
Width Index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	Dim A [mm]	Dim B [mm]	Number of teeth
031. ►	11.031.12PZ	11.031.12P	16	42	3



Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index **A2** or **A4**.

Part No. structure

11.031. 12 PZ A2	A... must be indicated on preassembled configurations
	With strain relief tiewrap plates
	Full set pivoting
	Mounting bracket for selected width index

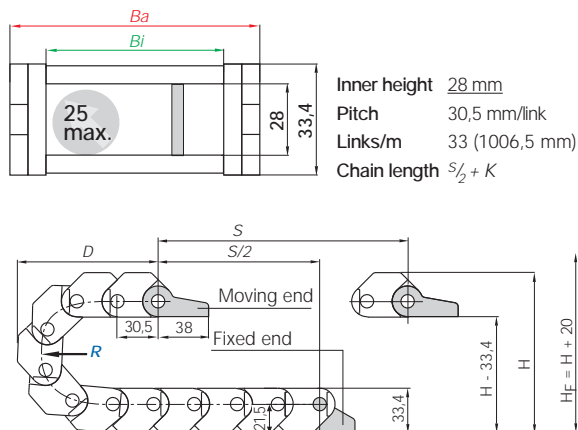
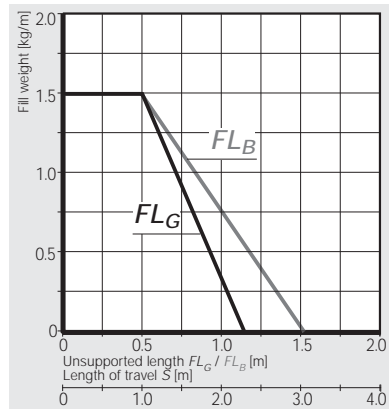


Series 11.080 | Non snap-open e-chain® with moulded-in vertical separation

e-chain* non snap-open	Bi [mm]	Ba [mm]	R Bending radii [mm]	Dim. A [mm]	Dim. B [mm]	Weight [kg/m]
11.080 .R.0	80	93	038	46	32	≈ 0,73

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

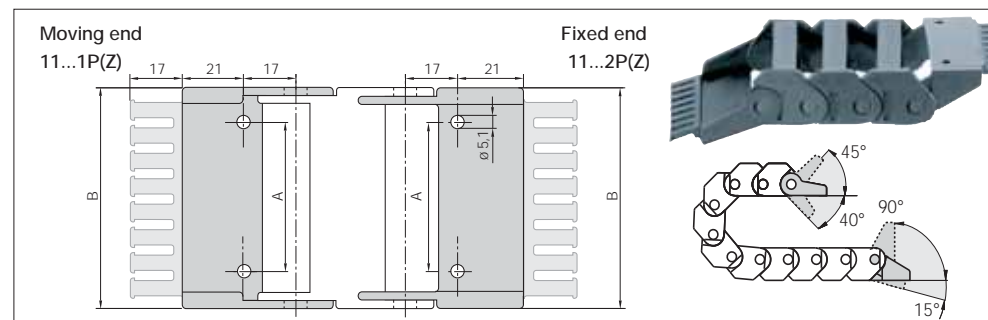
Dimensions



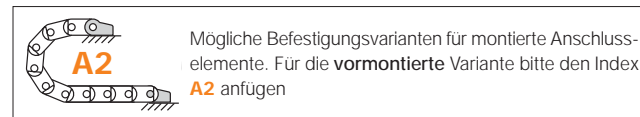
R	038
H	119
D	105
K	185

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

Mounting brackets, polymer one-piece | pivoting



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



Part No. structure

- 11.080. 12 PZ A2
- A... must be indicated on preassembled configurations
 - With strain relief tiewrap plates
 - Full set pivoting
 - Mounting bracket for selected width index

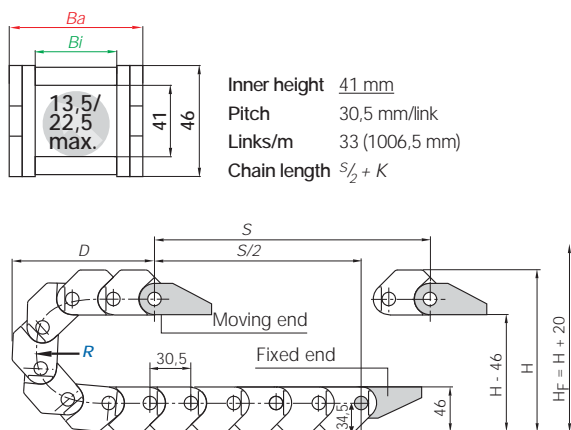
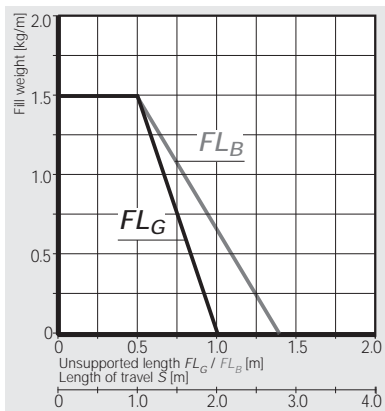


Series 11.1-11.2 | One-piece, non snap-open e-chain®

e-chain* non snap-open	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
11. 1 .R.0	15	25,5	040 063 075 100	≈ 0,50
11. 2 .R.0	25	35,5	040 063 075 100	≈ 0,53

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

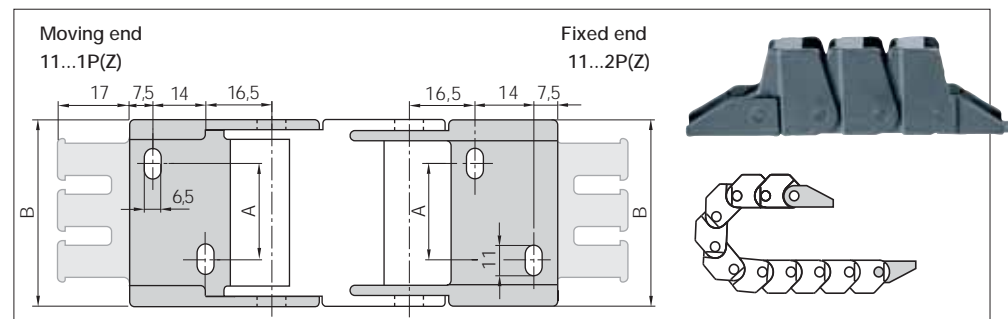
Dimensions



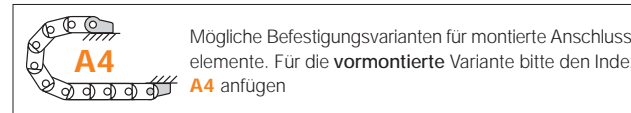
R	040	063	075	100
H	149	195	219	269
D	120	143	155	180
K	190	260	300	380

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

Mounting brackets, polymer one-piece | locking



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



Part No. structure

101. 12 PZ A4
- A... must be indicated on preassembled configurations
 - With strain relief tiewrap plates
 - Full set locking
 - Mounting bracket for selected width index

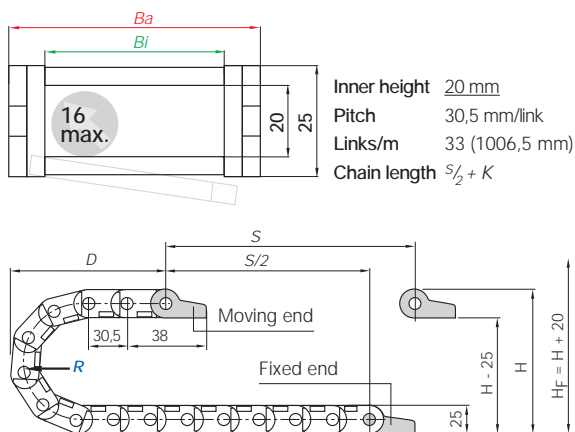
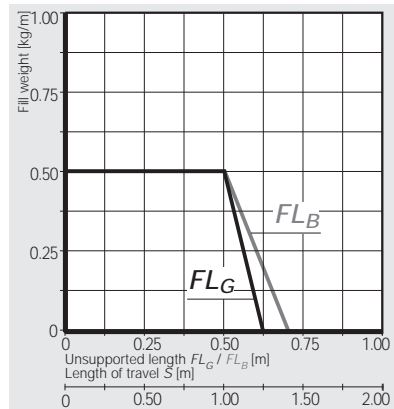


Series 14 | One-piece, snap-open along inner radius with film-hinge

Snap-open along inner radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
14. 1 .R.0	15	26	028 038 048 075 100 125	≈ 0,31
14. 2 .R.0	25	36	028 038 048 075 100 125	≈ 0,32
14. 3 .R.0	38	49	028 038 048 075 100 125	≈ 0,40
14. 4 .R.0	50	61	028 038 048 075 100 125	≈ 0,41

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

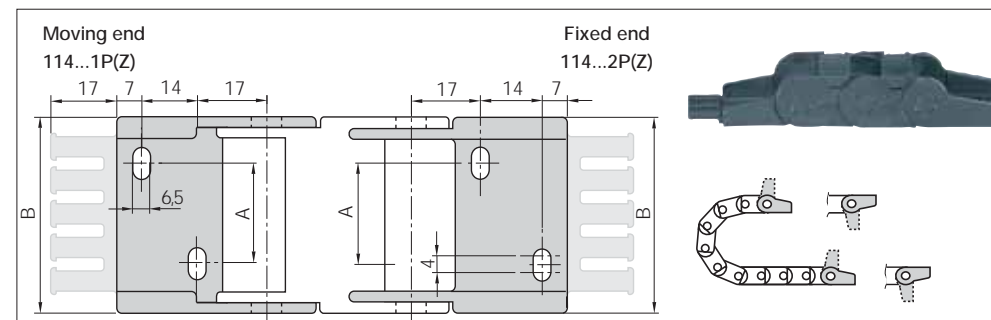
Dimensions



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

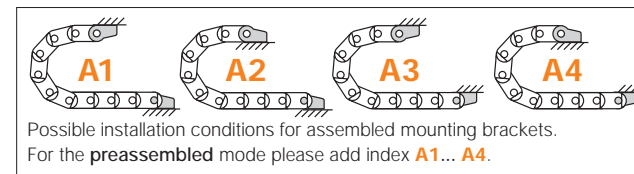
The required clearance height: $H_F = H + 20$ mm (with 0,5 kg/m fill weight)

Mounting brackets, polymer one-piece | locking | More features ► www.igus.co.uk/en/14



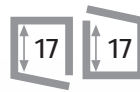
Width Index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	Dim A [mm]	Dim B [mm]	Number of teeth
1.	114.1.12PZ	114.1.12P	-	26,3	2
2.	114.2.12PZ	114.2.12P	10	36,3	3
3.	114.3.12PZ	114.3.12P	23	49,3	4
4.	114.4.12PZ	114.4.12P	35	61,3	5

Material mounting bracket - igumid G, temperature: -40° up to +120° C, VDE 0304 IIC UL94-HB



Part No. structure

- 114.2. 12 PZ A1
- A... must be indicated on preassembled configurations
 - With strain relief tiewrap plates
 - Full set pivoting
 - Mounting bracket for selected width index



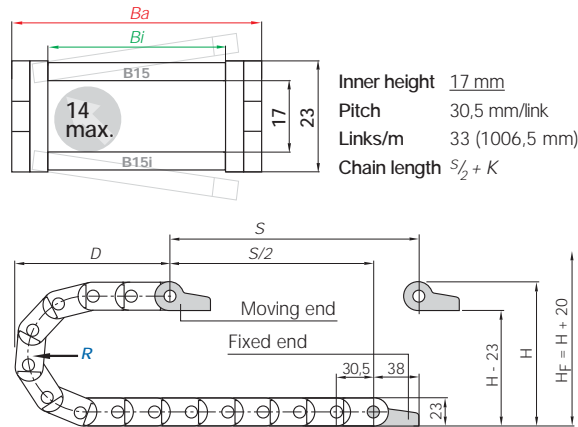
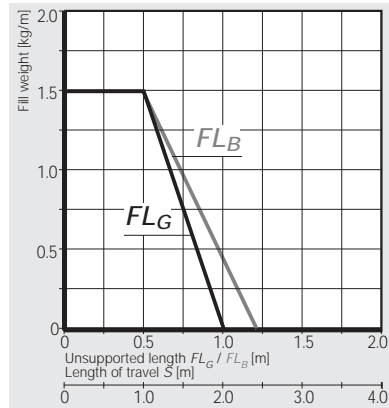
Series B15i snap-open along inner radius | Series B15 along outer radius - Standard

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

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

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

Dimensions

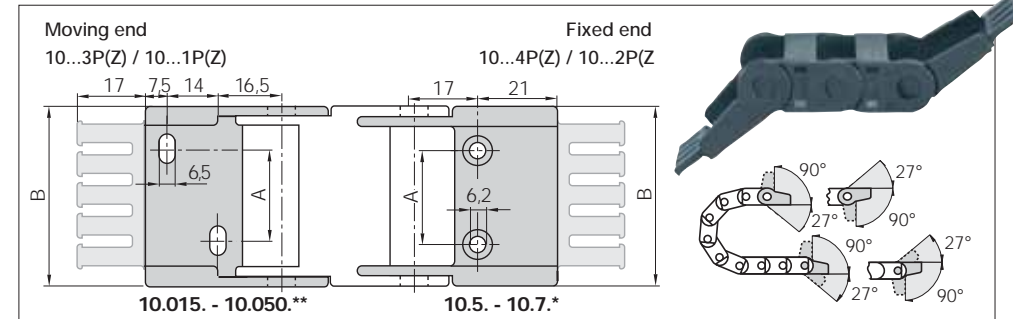


R	038	048	075	100	110	125	145	180
H	99	119	173	223	243	273	313	383
D	95	105	132	157	167	182	202	237
K	185	215	300	380	410	455	520	630

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



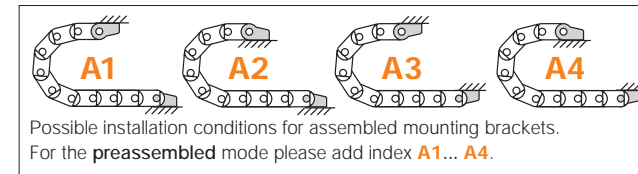
Mounting brackets, polymer one-piece | pivoting | locking



Width Index	Part No. full set pivoting:		Part No. full set locking:		Dim A [mm]	Dim B [mm]	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates			
015.	1015.34PZ	1015.34P	1015.12PZ	1015.12P	-	25,5	2
025.	1025.34PZ	1025.34P	1025.12PZ	1025.12P	10	35,5	3
038.	1038.34PZ	1038.34P	1038.12PZ	1038.12P	23	48,5	4
050.	1050.34PZ	1050.34P	1050.12PZ	1050.12P	35	60,5	5
5.	105.34PZ	105.34P	105.12PZ	105.12P	48	75	6
6.	106.34PZ	106.34P	106.12PZ	106.12P	65	92	8
7.	107.34PZ	107.34P	107.12PZ	107.12P	85	112	10

** Drilling pattern for width index: 15.015. - 15.050. see drawing left. Each valid for Moving end and Fixed end

* Drilling pattern for width index: 15.5. - 15.7. see drawing right. Each valid for Moving end and Fixed end



Part No. structure	A...
1025.34PZ A1	... must be indicated on preassembled configurations
	With strain relief tiewrap plates
	Full set pivoting
	Mounting bracket for selected width index

Interior separation

		Slotted separator for e-chains* unassembled 153 assembled 154
		Side plate for e-chains* unassembled 155 assembled 156
		Full-width shelf for e-chains* unassembled 110.X assembled 111.X

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			



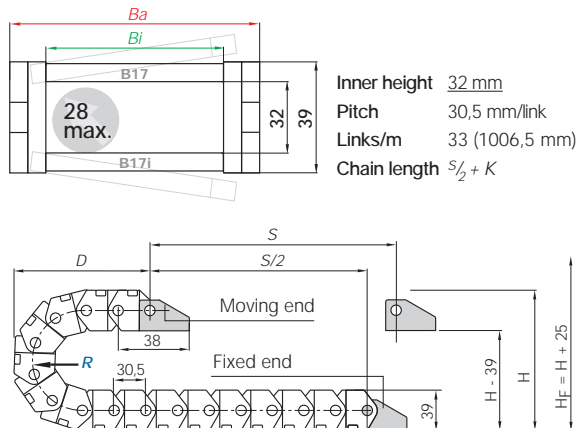
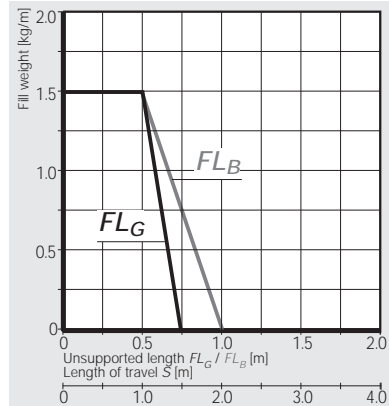
Series B17i snap-open along inner radius | Series B17 along outer radius - Standard

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	048 063 075 100 125	≈0,52	≈0,52
B17i.2 .R.0**	B17.2 .R.0	25	35,5	048 063 075 100 125	≈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	048 063 075 100 125	≈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 *For Series B17.5, B17.7 - Radius 048 upon request.

Supplement Part No. with required radius (R) Example: B17.2.048.0

Dimensions

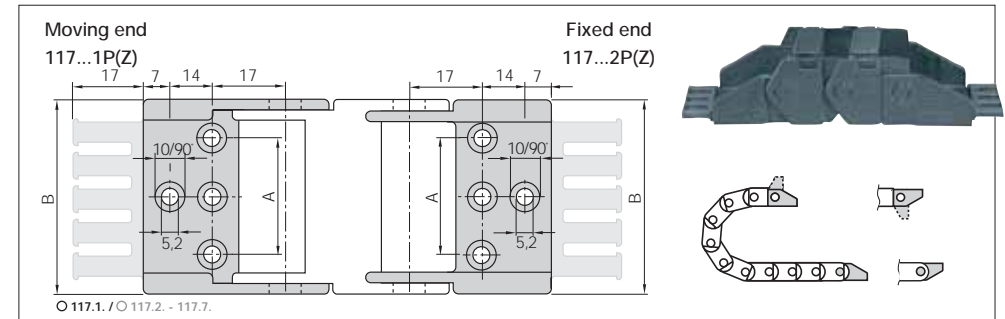


R	048 ¹⁾	063 ²⁾	075	100 ²⁾	125 ²⁾
H	135	165	189	239	289
D	113	128	140	165	190
K	215	260	300	380	455

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

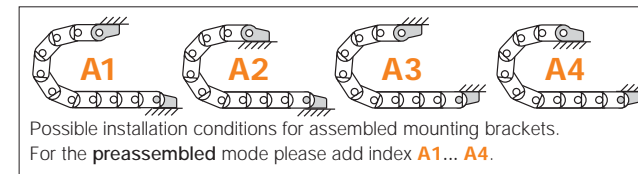
¹⁾ For Series B17.5, B17.7 Radius 048 upon request. ²⁾ For Series B17i Radii 063, 100, 125 upon request. Please consult igus* for delivery time

Mounting brackets, polymer one-piece | locking



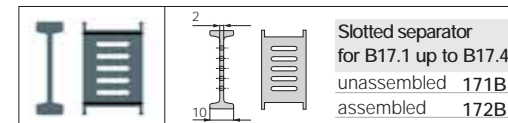
Width Index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	Dim A [mm]	Dim B [mm]	Number of teeth
1.	117.1.12PZ	117.1.12P	-	25,5	2
2.	117.2.12PZ	117.2.12P	12	35,5	3
3.	117.3.12PZ	117.3.12P	25	48,5	4
4.	117.4.12PZ	117.4.12P	37	60,5	5
5.	117.5.12PZ	117.5.12P	48	76	6
6.	117.6.12PZ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

○ Drilling pattern for width index: 117.1. center bores only / ○ 117.2. -117.7. outer bores only (see figure above)

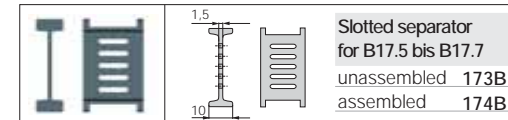


Part No. structure	Part No. structure	Notes
117.2.12PZ A1	117.2.12PZ A1	A... must be indicated on preassembled configurations
		With strain relief tiewrap plates
		Full set locking
		Mounting bracket for selected width index

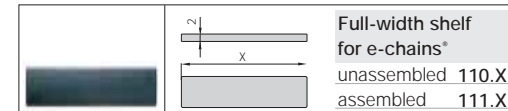
Interior separation | Standard | Further interior separation elements ► www.igus.co.uk/en/B17



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.



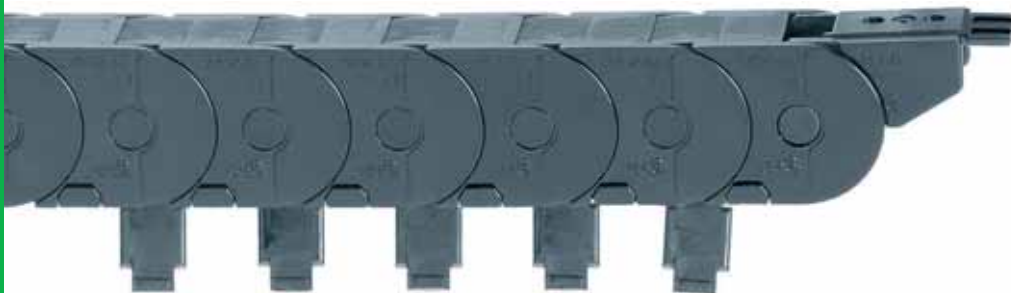
Slotted separator 173B (B17.5 up to B17.7) is used when vertical and horizontal separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.



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

Full-width shelves

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			

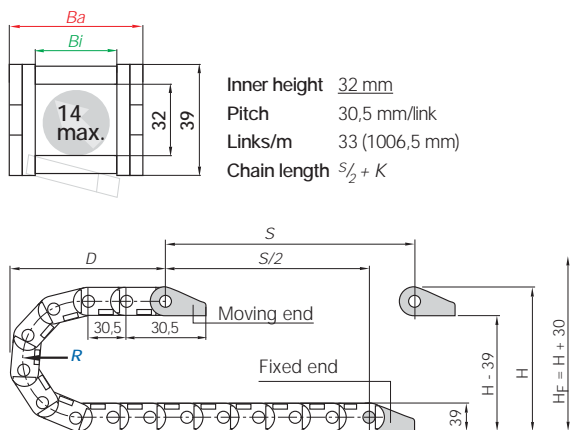
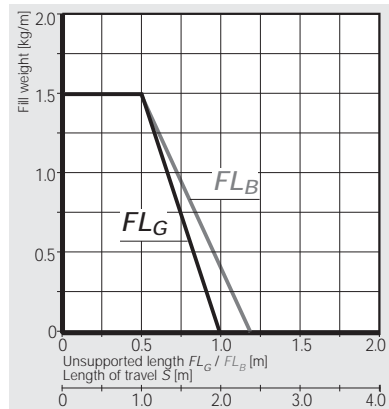


Series F17 | One-piece, snap-open along inner radius with film-hinge

Snap-open along inner radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
F17.015.R.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

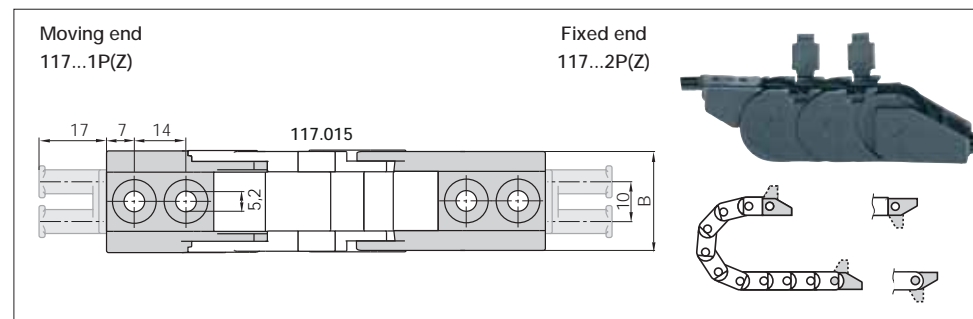
Dimensions



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

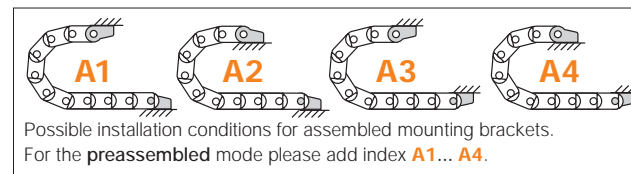
The required clearance height: $H_F = H + 30$ mm (with 0,5 kg/m fill weight)
Radius available upon request, please consult igus for delivery time

Mounting brackets, polymer one-piece | locking



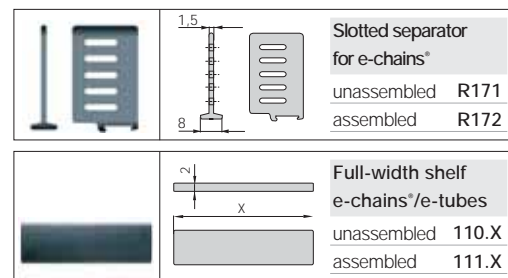
Width Index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	Dim A [mm]	Dim B [mm]	Number of teeth
015 ▶	117.015.12PZ	117.015.12P	-	27,7	2

Material mounting bracket - igumid G, temperature: -40° up to +120° C, VDE 0304 IIC UL94-HB



Part No. structure
117.015.12PZ A1 A... must be indicated on preassembled configurations
With strain relief tiewrap plates
Full set locking
Mounting bracket for selected width index

Interior separation

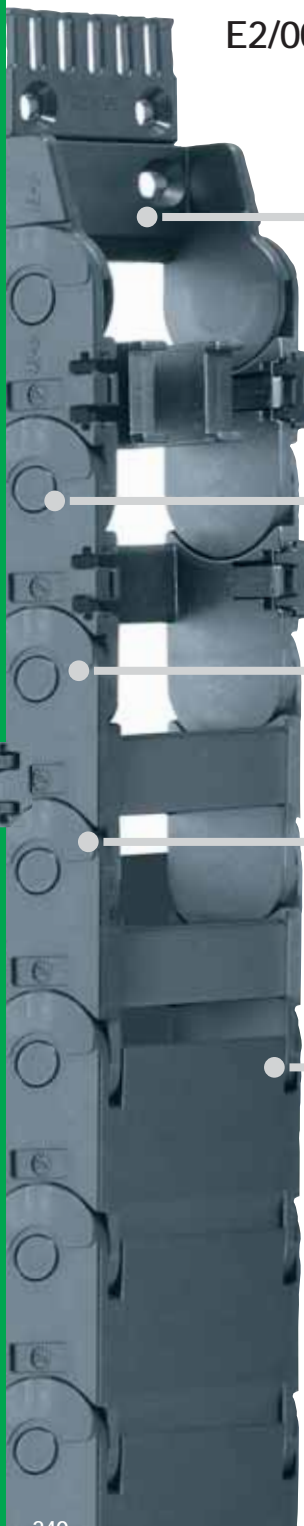


Slotted separator R171
is used when vertical and horizontal separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.

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

Full-width shelves

Width X [mm]	unassembled	assembled
015	110.15	111.15



Universal:
Many mounting options
with or without strain relief

Easy to assemble:
Opening system
from left or right

High stability:
Large pin "snap fastener"
with high clamping force

Long lifetime:
Lateral gliding surfaces

High unsupported
lengths:
Due to a double,
squared stop dog

Variations:
e-chain® or e-tube,
openable at the
inner or outer radius

E2/000 - with 2-piece link-design for a wide range of applications

E2/000 - the E2 standard it is igus® fourth generation in this popular size range. All past experiences went into this 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 parcs
- Vehicles
- General machinery



IPA Qualification Certificate Clean room ISO Class 3 (DIN 14644-1), at v = 2 m/s, with standard material igumid G - Series 2500.05.055.0



Electrically conductive ESD/ATEX versions several Series available from stock



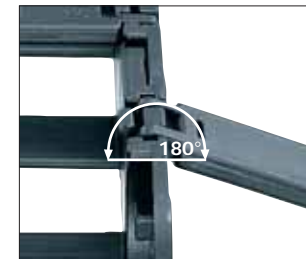
46 dB(A) tested in igus® lab, v = 1,0 m/s unsupported, e.g. Series 2600.05.075.0



UL94-V0 classification upon request



New 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 snap-open on left or right



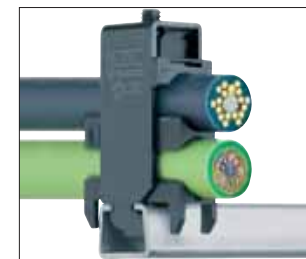
Fast closing by thumb - secure fit without additional locking devices



Rapid opening with a screwdriver or the e-chain® opener



Open E2/000 in a flash with the e-chain® opener ▶ www.igus.co.uk/en/savetime



Strain relief e.g. clamps, tiwrap plates, nuggets and plug-in clips ▶ **from page 616**



Extender crossbars - Enormous increase of the interior



Aluminium® SuperTrough® - The igus® standard guide trough ▶ **from page 650**





rol e-chain® E2/000 - Rolling instead of gliding. Reduce driving force





Support tray tool kit. For support of the lower run ▶ **from page 700**




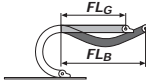


Series	Inner height <i>hi</i> [mm]	Inner width <i>Bi</i> [mm]	Outer width <i>Ba</i> [mm]	Outer height <i>ha</i> [mm]	Bending radius <i>R</i> [mm]	Unsupported max. length [m]	Page
 <p>E2/000 e-chains® Standard for System E2 snap-open along outer radius from both sides</p>							
1500	21	15 - 125	28,5 - 138,5	28	35 - 180	1,75	246
2500	25	25 - 125	41 - 141	35	55 - 250	2,25	258
2700	35	50 - 175	66 - 194	50	63 - 250	2,75	270
3500	45	50 - 250	70 - 270	64	75 - 300	3,00	282
255	24	38 - 103	54 - 119	35	55 - 250	1,80	294

 <p>E2/000 e-chains® snap-open along inner radius from both sides</p>							
1400	21	15 - 125	28,5 - 138,5	28	35 - 180	1,75	246
2400	25	25 - 125	41 - 141	35	55 - 250	2,25	258
2600	35	50 - 175	66 - 194	50	63 - 250	2,75	270
3400	45	50 - 250	70 - 270	64	75 - 300	3,00	282

 <p>Half e-tubes snap-open along inner radius from both sides</p>							
1450	21	15 - 125	28,5 - 138,5	28	75 - 180	1,75	252
2450	25	25 - 125	41 - 141	35	75 - 250	2,25	264
2650	35	50 - 175	66 - 194	50	100 - 250	2,75	276
3450	45	50 - 250	70 - 270	64	125 - 300	3,00	288

 <p>Full e-tubes snap-open along inner radius from both sides</p>							
1480	21	15 - 125	28,5 - 138,5	28	75 - 180	1,75	252
2480	25	25 - 125	41 - 141	35	75 - 250	2,25	264
2680	35	50 - 175	66 - 194	50	100 - 250	2,75	276
3480	45	50 - 250	70 - 270	64	125 - 300	3,00	288

Technical Data








	Gliding speed / acceleration (maximum)	max. 10 [m/s] / max. 50 [m/s ²]
	Speed / acceleration <i>FL_G</i> max.	max. 20 [m/s] / max. 200 [m/s ²]
	Speed / acceleration <i>FL_B</i> max.	max. 3 [m/s] / max. 6 [m/s ²]
	Material - permitted temperature °C, igumid G / GLW	40° up to +100° C
	Flammability class, igumid G / GLW	VDE 0304 IIC UL94-HB

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






Installation methods overview, maximum travels

e-chain® / e-tube Series	Unsupported application	Gliding application	Vertical hanging	Vertical standing	Side mounted unsupported	Rotary application	Zig-zag application	Unsupp. length of 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	≤ 2,75 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

Options with order keys | based on Series 2400/2500/2450/2480


 Standard	<i>Additional noise dampening with pads</i>	<i>NC-Version - (no camber) without pretension</i>	<i>Reverse bending radius for circular movements</i>
Part No. Standard e-chains*/e-tubes 	Part No. Low noise (with pads) e-chains*/e-tubes 	Part No. NC-Version e-chains*/e-tubes 	Part No. RBR e-chains*/e-tubes 
 2400.03.R.0 e-chain* snap-open along inner radius*	S2400.03.R.0 e-chain* snap-open along inner radius*	2400.03.R.0.NC e-chain* snap-open along inner radius*	2400.03.R1/R2.0 e-chain* snap-open along inner radius*
2500.03.R.0 e-chain* snap-open along outer radius	S2450.03.R.0 Half e-tube snap-open along inner radius*	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*	S2480.03.R.0 e-tube snap-open along inner radius*	2450.03.R.0.NC Half e-tube snap-open along inner radius*	2450.03.R1/R2.0¹⁾ Half e-tube snap-open along inner radius*
2480.03.R.0 e-tube snap-open along inner radius*		2480.03.R.0.NC e-tube snap-open along inner radius*	2480.03.R1/R2.0¹⁾ e-tube snap-open along inner radius*
 Delivery from stock	Delivery time: upon request	Delivery time: upon request	Delivery time: upon request

* Before using this Series in gliding applications, please consult igus*
1) Available upon request, please consult igus* for delivery time!

<i>Unsupported lengths +25% possible</i>	<i>No burning-in of hot chips up to 850°C (1562°F)</i>	<i>ESD / ATEX classified e-chains*</i>  II 2 GD	<i>Magnetically detectable plastic e-chains*</i> for the food- and tobacco industry
Part No. XXL-Material²⁾ e-chains*/e-tubes 	Part No. igumid HT-Material only for e-tubes 	Part No. ESD-Material e-chains*/e-tubes 	Part No. igumid DT-Material e-chains*/e-tubes 
2400.03.R.0.XXL e-chain* snap-open along inner radius*	2480/2450.03.R.0.HT Complete e-tube*	2400.03.R.0.ESD e-chain* snap-open along inner radius*	2400.03.R.0.DT e-chain* snap-open along inner radius*
2500.03.R.0.XXL e-chain* snap-open along outer radius	2480/2450.03.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*		2450.03.R.0.ESD Half e-tube snap-open along inner radius*	2450.03.R.0.DT Half e-tube snap-open along inner radius*
2480.03.R.0.XXL e-tube snap-open along inner radius*		2480.03.R.0.ESD e-tube snap-open along inner radius*	2480.03.R.0.DT e-tube snap-open along inner radius*
Delivery time: upon request	Delivery time: upon request	Delivery time: Several series from stock	Delivery time: upon request

* Before using this Series for gliding applications, please consult igus*
2) Lower part made of XXL-Material

Order example | based on Series 2400/2500/2450/2480

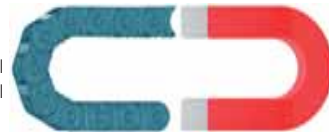
 Order example for complete e-chain* (1,0 m), color black, with mounting brackets and interior separation:	
e-chain* (1,0 m) Please indicate e-chain* length or number of links: 1,0 m or 22 links	2500.03.100.0
+ Mounting brackets 1 set (with tie-wrap plates)	2030.34PZB+
+ Interior separation with 2 separators assembled every 2 nd link	2 x 211
Order text: 1,0 m 2500.03.100.0 + 2100.34PZB + 2 x Part No. 211	

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

Further Information ► www.igus.co.uk/en/detectable-chain



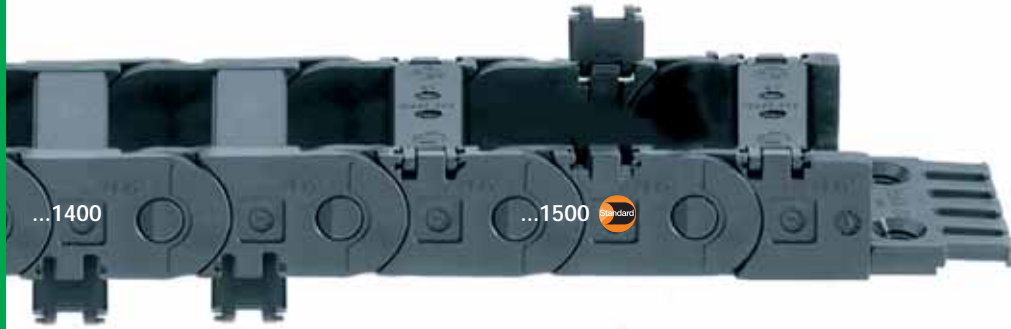
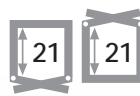
Order key and color options | based on Series 2400/2500/2450/2480

 Order key		General igus* color options for e-chains* and e-tubes
e-chain* snap-open along outer radius	2500.03.100.0	Color Order index Color Order index
e-chain* snap-open along inner radius	2400.03.100.0	Black Standard, from stock .0 White special color .1
Half e-tube snap-open along inner radius	2450.03.100.0	Slate grey only ESD material .ESD Gray white special color .1S
Full e-tube snap-open along inner radius	2480.03.100.0	Gray brown only HT material .HT Orange special color .2
Series / Type		Gray special color only e-chains* .3 Yellow special color .4
Width index (depends on B)		Dusty grey special color only e-tubes .31 Light grey special color .14
Bending radius R		
Color index (standard black)		

Black e-chains* available from stock!

Delivery time for special colors: upon request

- 2500.03.100.0 = e-chain* snap-open along outer radius, **Bi 38** mm inner width, **R 100** mm radius, color black
- 2400.03.100.0 = e-chain* snap-open along inner radius, **Bi 38** mm inner width, **R 100** mm radius, color black
- 2450.03.100.0 = Half e-tube snap-open along inner radius, **Bi 38** mm inner width, **R 100** mm radius, color black
- 2480.03.100.0 = Full e-tube snap-open along inner radius, **Bi 38** mm inner width, **R 100** mm radius, color black



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

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

Half e-tubes, Series 1450 and full e-tubes Series 1480 ▶ from page 252
Supplement Part No. with required radius. Example: 1500.038.100.0

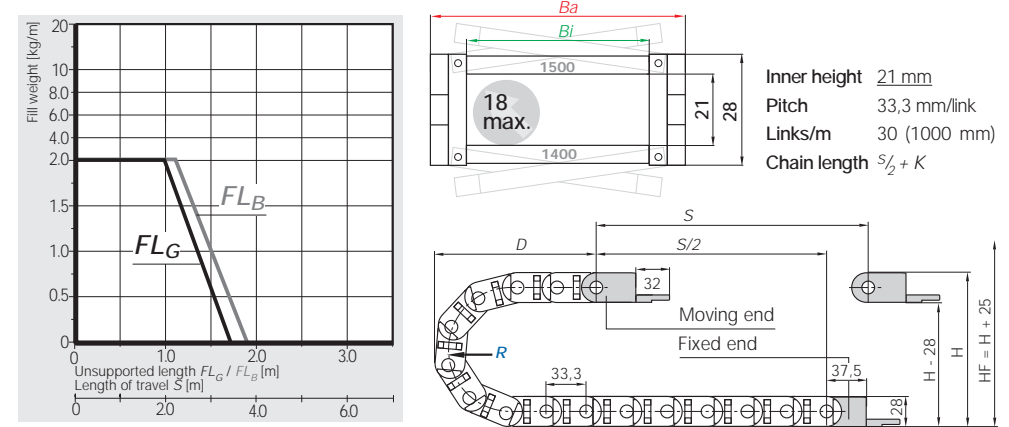
EX ESD/ATEX permanently conductive e-chains® - 1500 several widths with delivery from stock:
Inner widths **Bi** 15 - 80, radii **R** 38 - 145. Full ESD delivery program ▶ www.igus.co.uk/en/ESD



Open e-chains® in a flash with the new e-chain® opener
Reduce assembly time from 33 to 2 sec. with the new igus® e-chain® Opener.
Open a long piece of e-chain® in one go. Part No. 908.254.1400 for Series 1400/1500. For widths **Bi** [mm]: 20, 50, 68, 80, 100.
Further information and video ▶ www.igus.co.uk/en/savetime



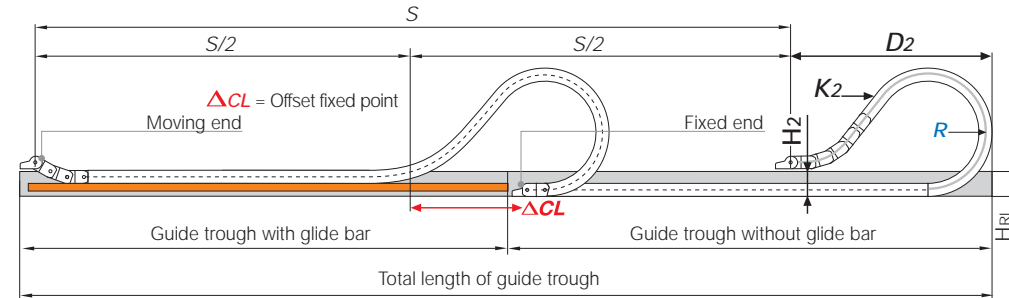
Unsupported applications | Short travels



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)
Before using Series 1400 on long travels please consult igus®.

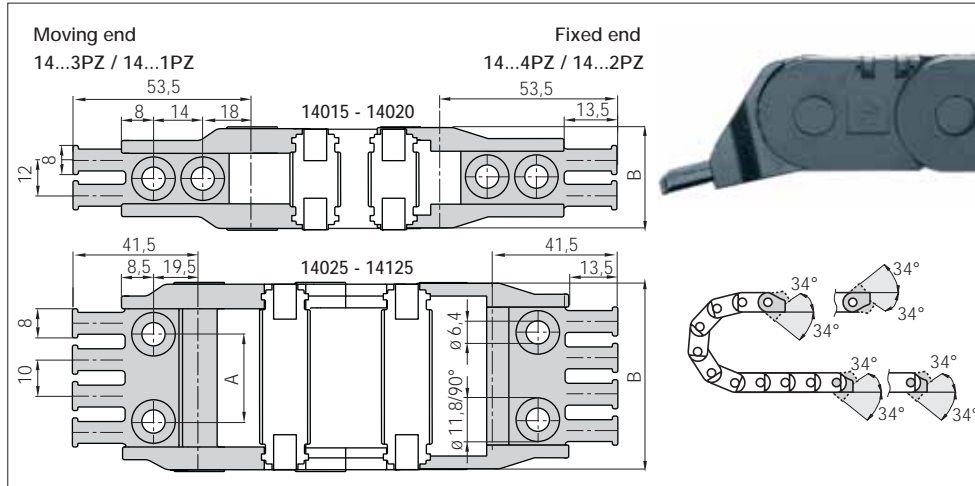
Gliding applications | Long travels from 10 m to max. 75 m



Note: For using Series 1400 for long travels (gliding), please consult with 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. Chain length $S/2 + K_2$

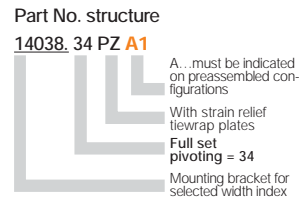
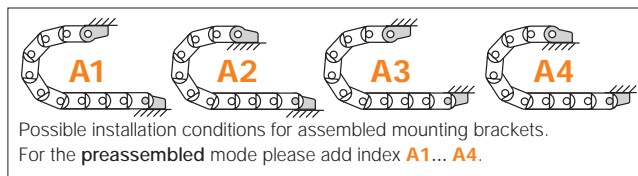
R	035	038	048	075	100	125	145	180
H ₂	70	76	96	150	100	100	100	100
D ₂ +25	99	102	112	139	340	495	540	690
K ₂	180	190	220	305	600	800	940	1170
ΔCL	-	-	-	-	179	305	340	445

Before using Series 1400 on long travels please consult igus®.

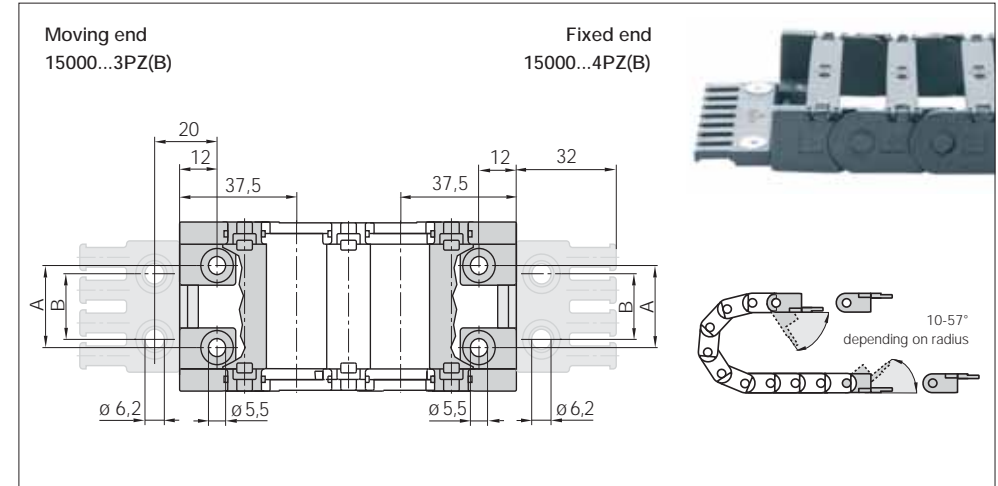


Polymer pivoting | Standard | Recommended for unsupported and gliding applications
Polymer locking | Recommended for vertical hanging and standing applications

Width Index	Part No. full set pivoting: with tie-wrap plates	Part No. full set locking: with tie-wrap plates	Dim A (mm)	Dim B (mm)	Number of teeth
.015. ▶	14015.34PZ	14015.12PZ	-	28,5	2
.020. ▶	14020.34PZ	14020.12PZ	-	33,5	2
.025. ▶	14025.34PZ	14025.12PZ	13	38,5	2
.038. ▶	14038.34PZ	14038.12PZ	24	51,5	4
.050. ▶	14050.34PZ	14050.12PZ	36	63,5	5
.068. ▶	14068.34PZ	14068.12PZ	54	81,5	7
.080. ▶	14080.34PZ	14080.12PZ	66	93,5	8
.100. ▶	14100.34PZ	14100.12PZ	86	113,5	10
.125. ▶	14125.34PZ	14125.12PZ	111	138,5	13



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 616

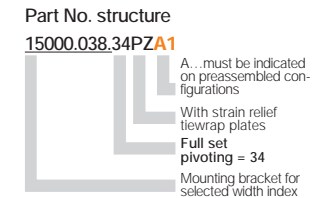
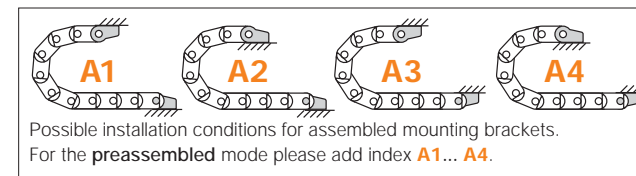


Polymer pivoting | Recommended for unsupported and gliding applications
For tight installation conditions

Width Index	Part No. full set pivoting: with tie-wrap plates	Part No. full set pivoting: without tie-wrap plates	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

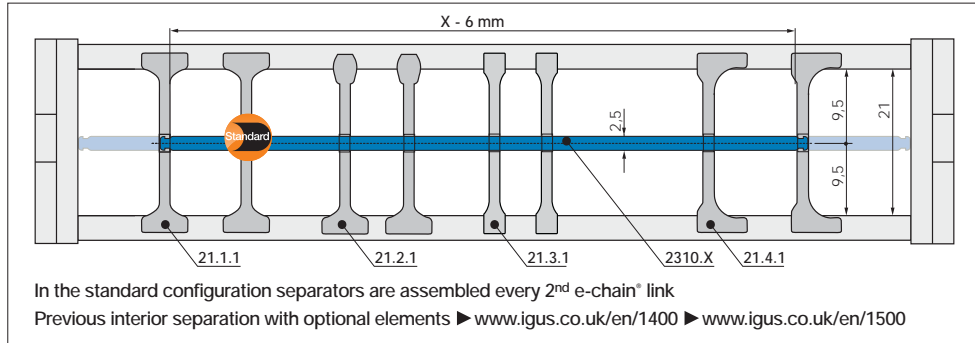
*Tie-wrap plate (consists of 2 x 2050.ZB) does not snap on but needs to be bolted down separately

Note: Mounting brackets not to assemble at the gable end



Option: Steel locking Part No. 14000.12 - For e-chains® and e-tubes available
● Locked connections ● One part (2-piece) for all e-chain® widths ● Electrically conductive

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 616



In the standard configuration separators are assembled every 2nd e-chain® link
Previous interior separation with optional elements ► www.igus.co.uk/en/1400 ► www.igus.co.uk/en/1500

Standard separator, wide base
unassembled 21.1
assembled 21.1.1

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

Separator, narrow head
unassembled 21.2
assembled 21.2.1

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 21.3
assembled 21.3.1

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 21.4
assembled 21.4.1

For side-mounted applications
Asymmetrical separator, for defined distance. No additional spacers necessary.

Full-width shelf, lockable
unassembled 2300.X
assembled 2310.X

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



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

Separator with integrated strain relief

Strain relief separator Part No. 21.1.Z can be integrated into the mounting bracket and can be placed there at any point of the e-chain®. It combines strain relief and interior separation, it can be installed on the first or last chain link and is easy to assemble without any screws. **Further Information** ► from page 636

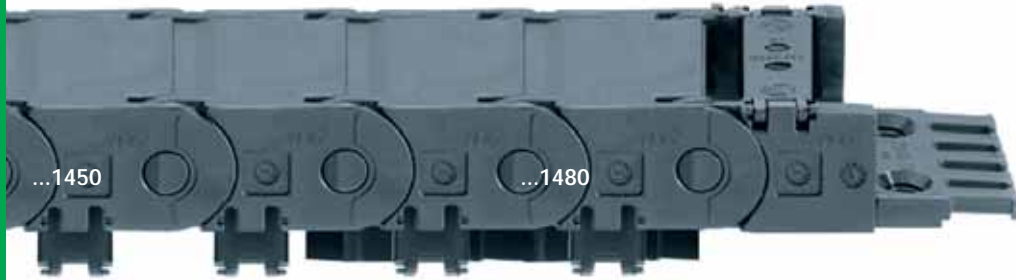


Optional: Support tray tool kit.

For support of the lower run.

Simple one-piece support trays according to your requirements and specification. The complete range with order options ► from page 700





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	Bi (mm)	Ba (mm)	R Bending radii (mm)	1450 [kg/m]	1480 [kg/m]
1450.015.R.0	1480.015.R.0	15	28,5	035* 038* 048* 075 100 125 145 180	≈ 0,48	≈ 0,50
1450.020.R.0**	1480.020.R.0**	20	33,5	035* 038* 048* 075 100 125 145 180	≈ 0,51	≈ 0,51
1450.025.R.0	1480.025.R.0	25	38,5	035* 038* 048* 075 100 125 145 180	≈ 0,54	≈ 0,57
1450.038.R.0	1480.038.R.0	38	51,5	035* 038* 048* 075 100 125 145 180	≈ 0,59	≈ 0,61
1450.050.R.0	1480.050.R.0	50	63,5	035* 038* 048* 075 100 125 145 180	≈ 0,65	≈ 0,67
1450.068.R.0	1480.068.R.0	68	81,5	035* 038* 048* 075 100 125 145 180	≈ 0,74	≈ 0,77
1450.080.R.0	1480.080.R.0	80	93,5	035* 038* 048* 075 100 125 145 180	≈ 0,80	≈ 0,84
1450.100.R.0	1480.100.R.0	100	113,5	035* 038* 048* 075 100 125 145 180	≈ 0,90	≈ 0,95
1450.125.R.0	1480.125.R.0	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



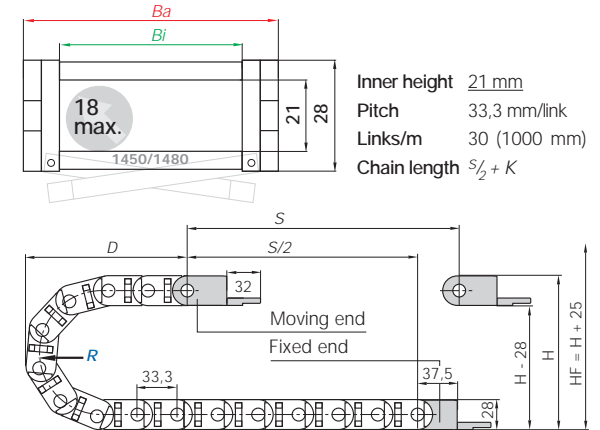
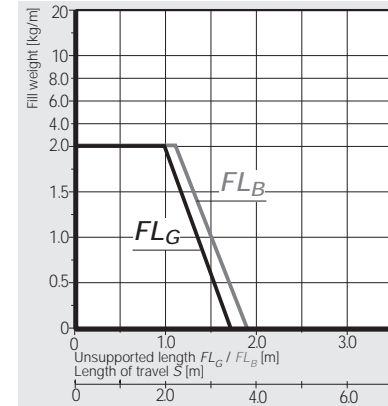
Open e-chains® in a flash with the new e-chain® opener

Reduce assembly time from 33 to 2 sec. with the new igus® e-chain® Opener. Open a long piece of e-chain® in one go. Part No. 908.254.1400 for Series 1450. For widths Bi [mm]: 20, 50, 68, 80, 100.

Further information and video ► www.igus.co.uk/en/savetime



Unsupported applications | Short travels

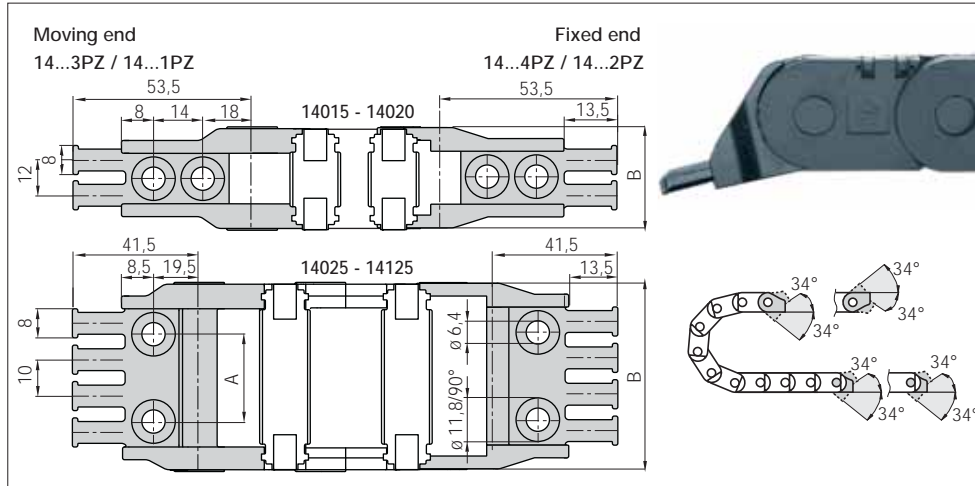


Inner height 21 mm
Pitch 33,3 mm/link
Links/m 30 (1000 mm)
Chain length $S/2 + K$

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

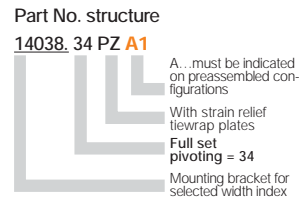
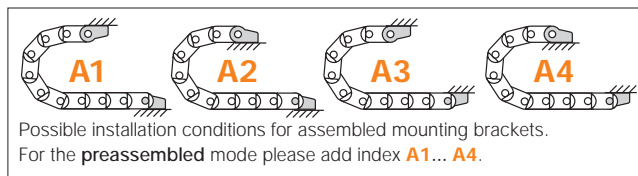
The required clearance height: $H_F = H + 25$ mm (with 0,5 kg/m fill weight)

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

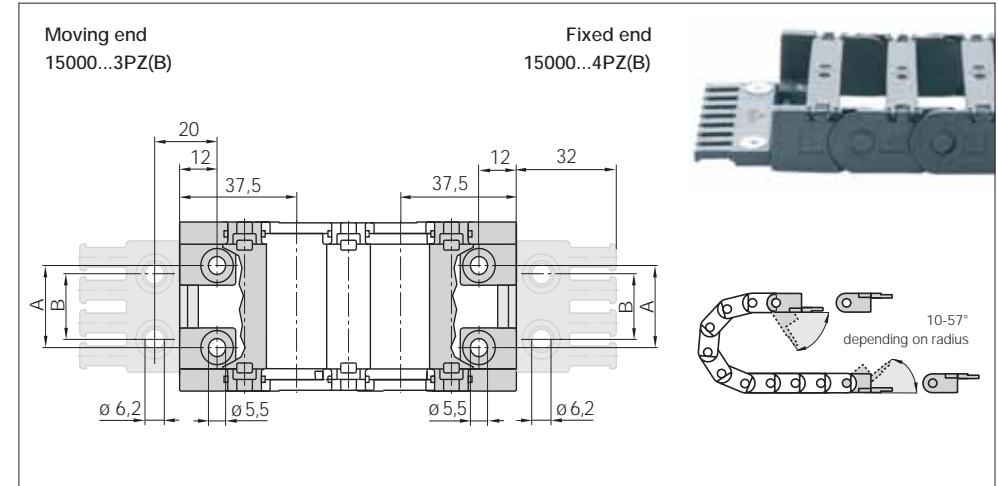


Polymer pivoting | Standard | Recommended for unsupported applications
Polymer locking | Recommended for vertical hanging and standing applications

Width Index	Part No. full set pivoting: with tiewrap plates	Part No. full set locking: with tiewrap plates	Dim A (mm)	Dim B (mm)	Number of teeth
.015.	14015.34PZ	14015.12PZ	-	28,5	2
.020.	14020.34PZ	14020.12PZ	-	33,5	2
.025.	14025.34PZ	14025.12PZ	13	38,5	2
.038.	14038.34PZ	14038.12PZ	24	51,5	4
.050.	14050.34PZ	14050.12PZ	36	63,5	5
.068.	14068.34PZ	14068.12PZ	54	81,5	7
.080.	14080.34PZ	14080.12PZ	66	93,5	8
.100.	14100.34PZ	14100.12PZ	86	113,5	10
.125.	14125.34PZ	14125.12PZ	111	138,5	13



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 616

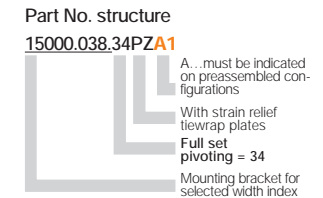
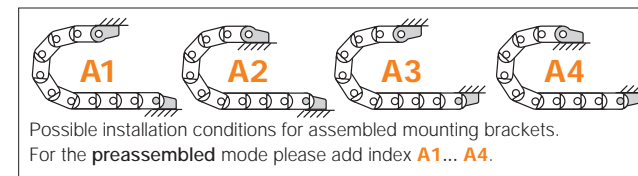


Polymer pivoting | Recommended for unsupported applications
For tight installation conditions

Width Index	Part No. full set pivoting: with tiewrap plates	Part No. full set pivoting: without tiewrap plates	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

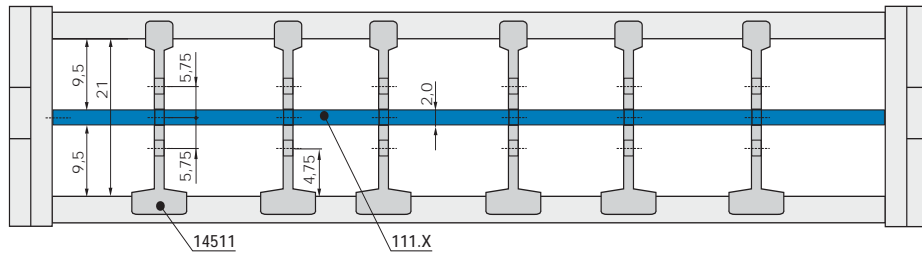
*Tiewrap plate (consists of 2x2050.ZB) does not snap on but needs to be bolted down separately

Note: Mounting brackets not to assemble at the gable end

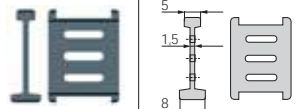


Option: Steel locking Part No. 14000.12 - For e-chains® and e-tubes available
● Locked connections ● One part (2-piece) for all e-chain® widths ● Electrically conductive

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 616



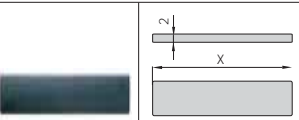
In the standard configuration separators are assembled every 2nd e-chain® link



Slotted separator for e-tubes
unassembled 14501
assembled 14511

Slotted separator 14501

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-tubes
unassembled 110.X
assembled 111.X

Full-width shelf 110.X

this option makes sense in applications with many thin cables with similar diameters. For a consequent subdivision. Full-width shelves can be arranged at 3 different heights (in 5,75 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



Installation-optimized delivery of an igus® readychain® - here system E2/000

Optional: Support tray tool kit.

For support of the lower run.

Simple one-piece support trays according to your requirements and specification. The complete range with order options ▶ from page 700





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

e-chains® snap-open along inner radius	e-chains® snap-open along outer radius	Standard 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

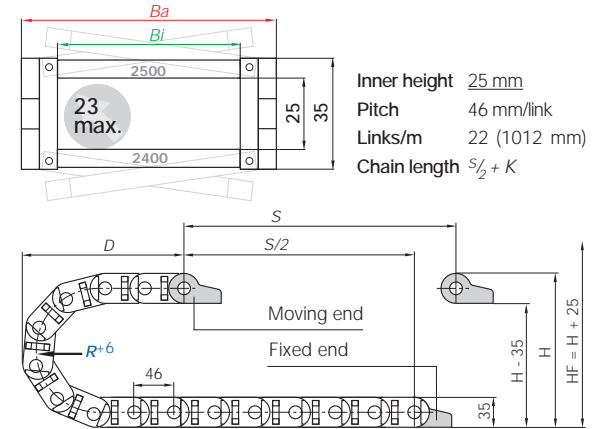
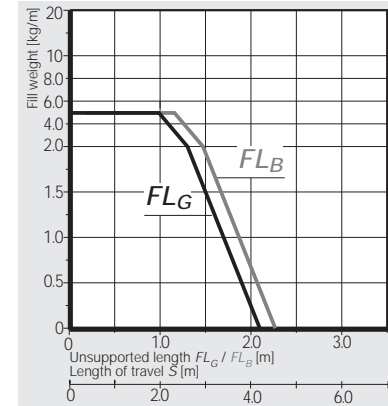
Half e-tubes, Series 2450 and full e-tubes Series 2480 ► from page 264
Non snap-open e-chains® E2 medium classics, Series 200 ► www.igus.co.uk/en/200
Supplement Part No. with required radius. Example: 2500.03.100.0

 ESD/ATEX permanently conductive e-chains® - 2500 several widths with delivery from stock:
Inner widths **Bi** 25 - 125, radii **R** 055 - 175. Full ESD delivery program ► www.igus.co.uk/en/ESD

Open e-chains® in a flash with the new e-chain® opener
Reduce assembly time from 33 to 2 sec. with the new igus® e-chain® Opener.
Open a long piece of e-chain® in one go. Part No. 908.254.2400 for Series 2400/2500. For widths **Bi** [mm]: 05, 07, 09
Further information and video ► www.igus.co.uk/en/savetime



Unsupported applications | Short travels

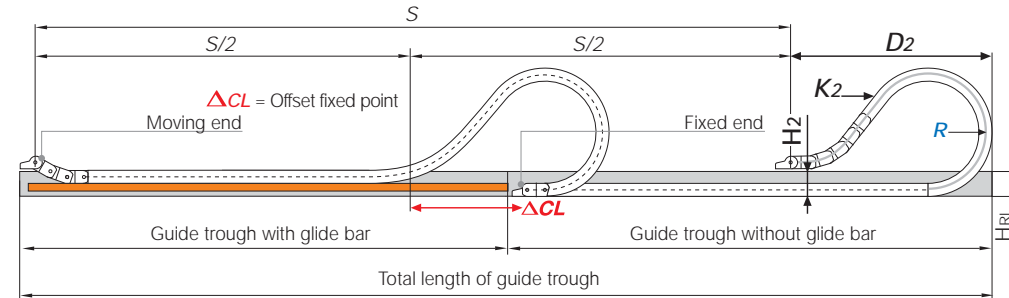


R	055	075	100	125	150	175	200	225	250
H	145	185	235	285	335	385	435	485	535
D	142	162	187	212	237	262	287	312	337
K	265	330	410	485	565	645	725	800	880

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

Before using Series 2400 on long travels please consult igus®.

Gliding applications | Long travels from 10 m to max. 100 m



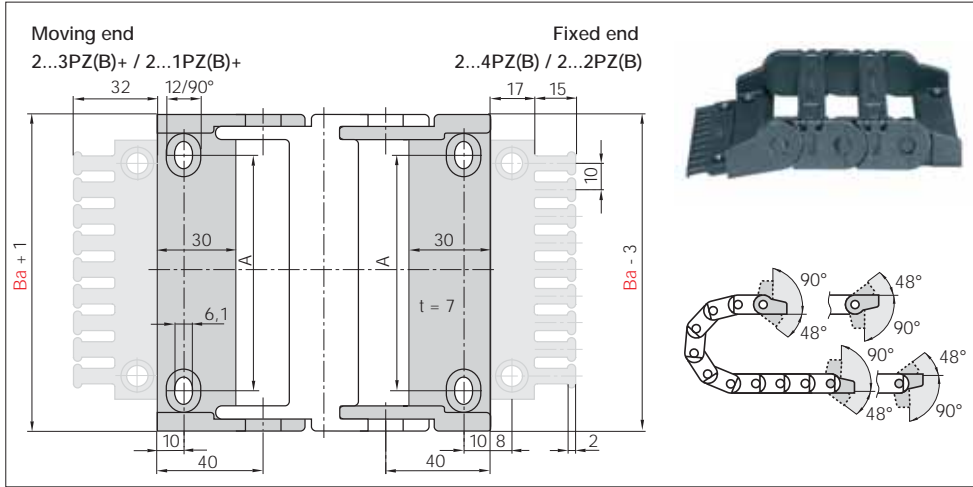
Note: For using Series 2400 for long travels (gliding), please consult with igus® first.

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. 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

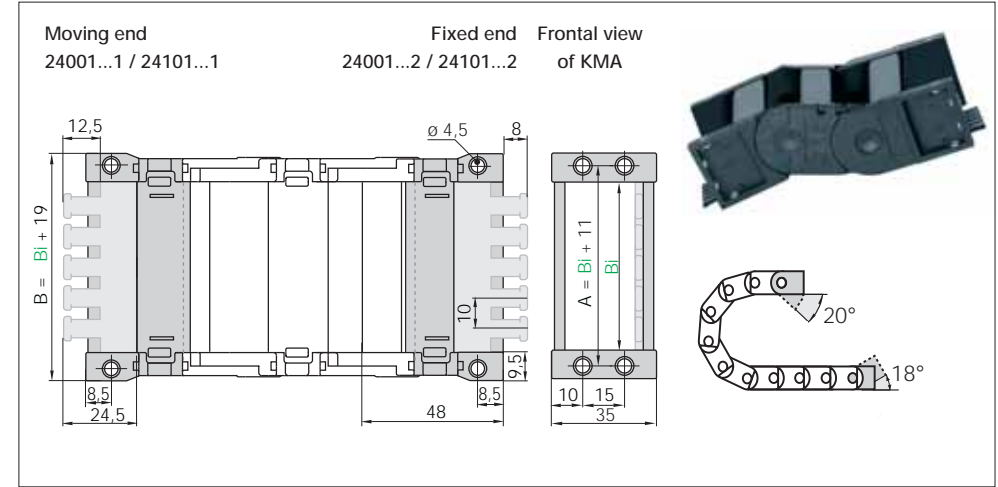
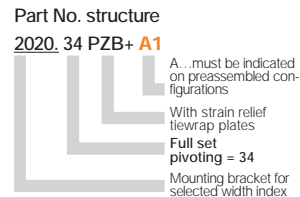
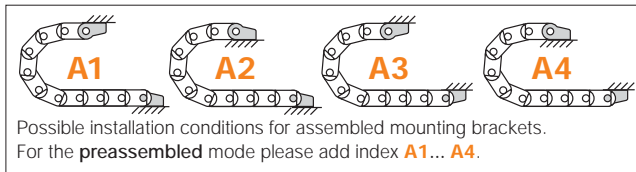
Before using Series 2400 on long travels please consult igus®.



Polymer pivoting | Standard | Recommended for unsupported and gliding applications
Polymer locking | Recommended for vertical hanging and standing applications

Width Index	Part No. full set pivoting:		Part No. full set locking:		Dim A [mm]	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates		
.02.	2020.34PZB+	2020.34PZ+	2020.12PZB+	2020.12PZ+	12	3
.03.	2030.34PZB+	2030.34PZ+	2030.12PZB+	2030.12PZ+	25	4
.05.	2050.34PZB+	2050.34PZ+	2050.12PZB+	2050.12PZ+	44	6
.07.	2070.34PZB+	2070.34PZ+	2070.12PZB+	2070.12PZ+	64	8
.09.	2090.34PZB+	2090.34PZ+	2090.12PZB+	2090.12PZ+	77	9
.10.	2100.34PZB+	2100.34PZ+	2100.12PZB+	2100.12PZ+	90	10
.12.	2125.34PZB+	2125.34PZ+	2125.12PZB+	2125.12PZ+	112	12

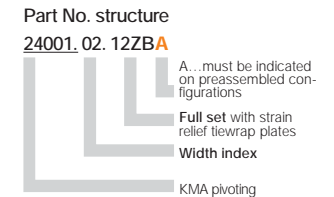
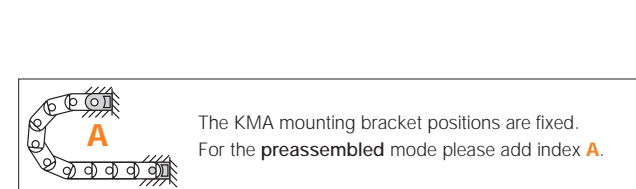
Full set with tiewrap plate + 10 cable tiewraps, please add index K1+ ▶ e.g. 2020.34PZBK1+



KMA pivoting | Recommended for unsupported and gliding applications
KMA locking | Recommended for vertical hanging and standing applications

Width Index	Part No. full set KMA pivoting:		Part No. full set KMA locking:		Dim A [mm]	Dim B [mm]	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates			
.02.	24001.02.12ZB	24001.02.12	24101.02.12ZB	24101.02.12	36	44	2
.03.	24001.03.12ZB	24001.03.12	24101.03.12ZB	24101.03.12	49	57	4
.05.	24001.05.12ZB	24001.05.12	24101.05.12ZB	24101.05.12	68	76	6
.07.	24001.07.12ZB	24001.07.12	24101.07.12ZB	24101.07.12	88	86	7
.09.	24001.09.12ZB	24001.09.12	24101.09.12ZB	24101.09.12	100	108	9
.10.	24001.10.12ZB	24001.10.12	24101.10.12ZB	24101.10.12	114	122	10
.12.	24001.12.12ZB	24001.12.12	24101.12.12ZB	24101.12.12	136	144	12

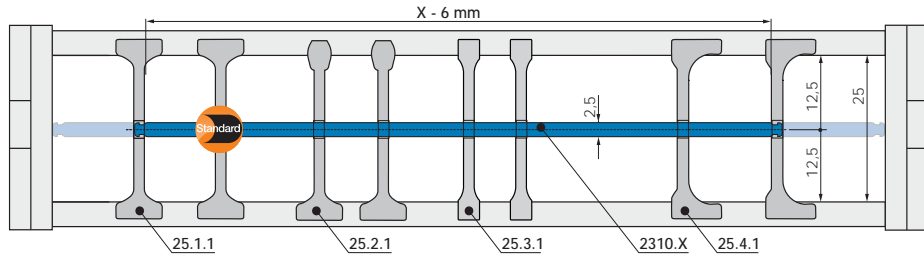
(KMA = Polymer Metal Mounting Bracket)



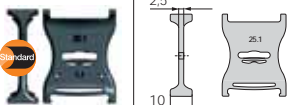
Option: Steel pivoting Part No. 2000.32 - For e-chains® and e-tubes available
● Pivoting connections ● One part (2-piece) for all e-chain® widths ● Electrically conductive

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 616

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 616

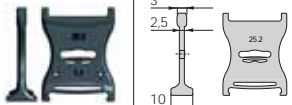


In the standard configuration separators are assembled every 2nd e-chain® link
Previous interior separation with optional elements ► www.igus.co.uk/en/2400 ► www.igus.co.uk/en/2500




Standard separator, wide base
unassembled 25.1
assembled 25.1.1

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



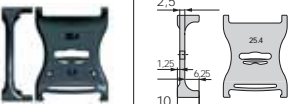
Separator, narrow head
unassembled 25.2
assembled 25.2.1

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 25.3
assembled 25.3.1

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 25.4
assembled 25.4.1

For side-mounted applications
Asymmetrical separator, for defined distance. No additional spacers necessary.

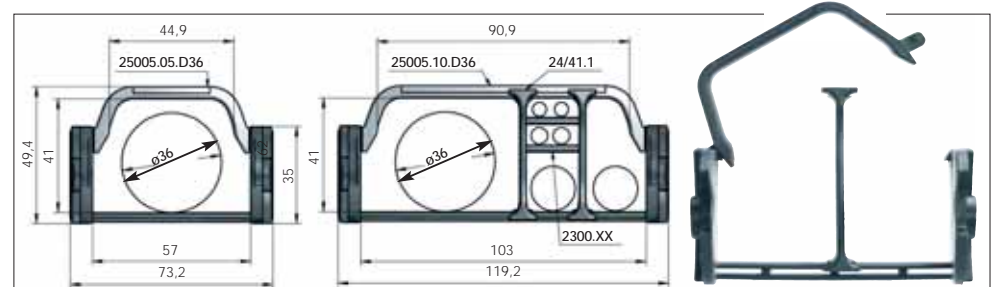


Full-width shelf, lockable
unassembled 2300.X
assembled 2310.X

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



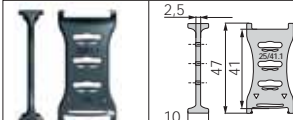
Extender crossbars - Enormous increase of the interior for the smooth guiding of larger hoses.
Suitable for hoses with an outer diameter of max. 36 mm.

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

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

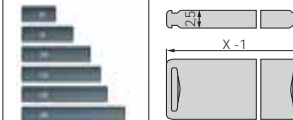
Supplement Part No. with required radius. Example: 2500.05D36.100.0

Interior separation for extender crossbars



Standard separator, wide base
unassembled 25/41.1
assembled 25/41.1.1

Standard separator, wide base
For maximum locking strength and safe standing. In standard configuration separators are assembled every 2nd link.



Full-width shelf, lockable
unassembled 2300.X
assembled 2310.X

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. Delivery program ► left page

Separator with integrated strain relief

Strain relief separator Part No. 2020.Z can be integrated into the mounting bracket and can be placed there at any point of the e-chain®. It combines strain relief and interior separation, it can be installed on the first or last chain link and is easy to assemble without any screws. Further Information ► from page 636



Optional: Support tray tool kit.

For support of the lower run.

Simple one-piece support trays according to your requirements and specification. The complete range with order options ► from page 700





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	Standard	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

Radii 055: the e-tube is not completely enclosed. Please consult igus*

Supplement Part No. with required radius. Example: 2450.03.100.0

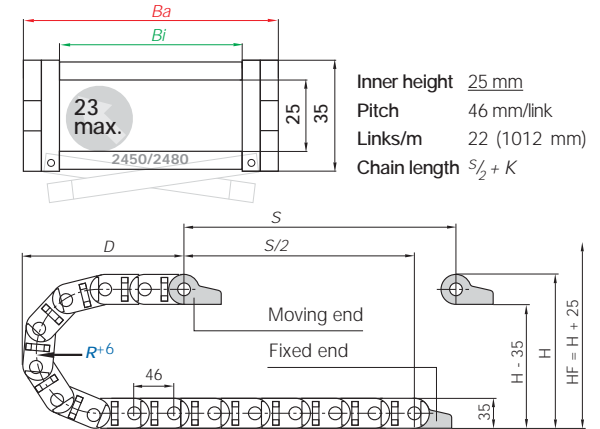
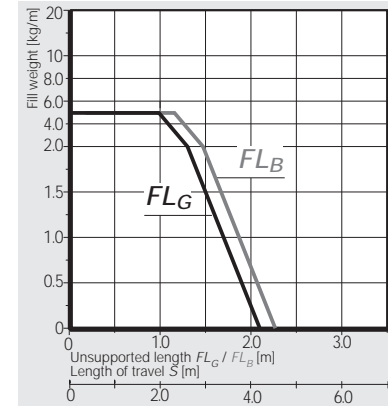
Open e-chains® in a flash with the new e-chain® opener

Reduce assembly time from 33 to 2 sec. with the new igus® e-chain® Opener.
Open a long piece of e-chain® in one go. Part No. 908.254.2400 for Series 2450.
For widths Bi [mm]: 05, 07, 09

Further information and video ► www.igus.co.uk/en/savetime



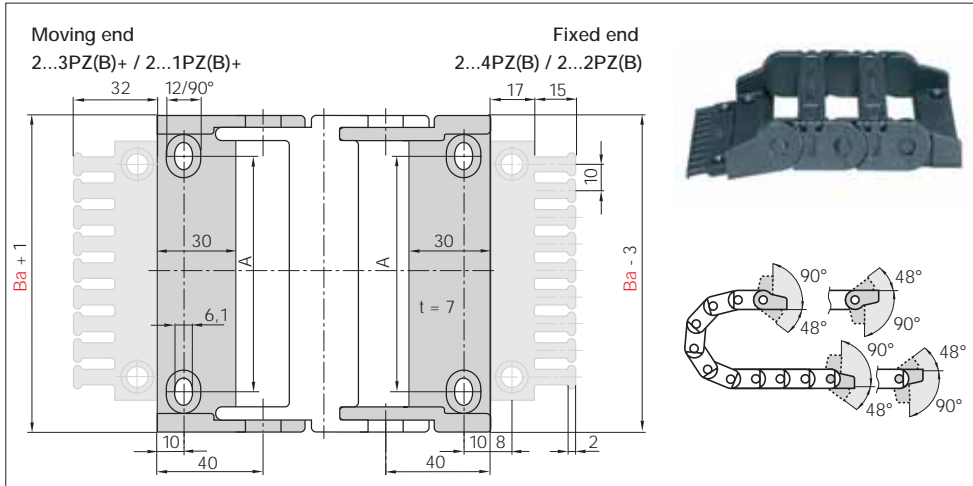
Unsupported applications | Short travels



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

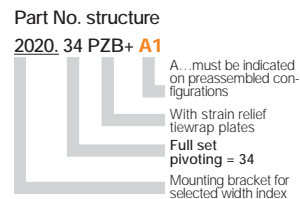
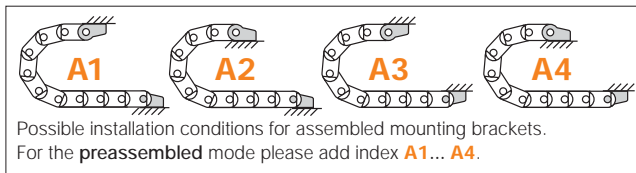


Polymer pivoting | Standard | Recommended for unsupported applications

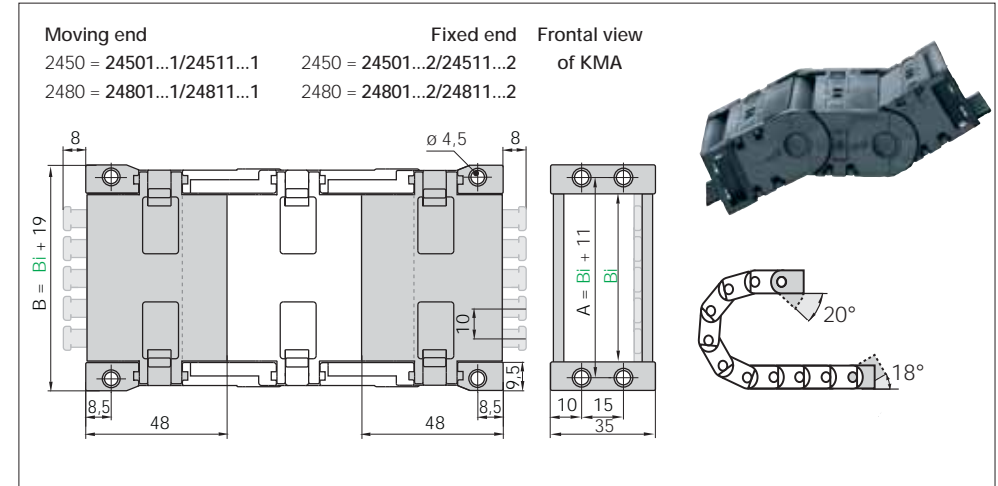
Polymer locking | Recommended for vertical hanging and standing applications

Width Index	Part No. full set pivoting:		Part No. full set locking:		Dim A [mm]	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates		
.02.	▶ 2020.34PZB+	2020.34PZ+	2020.12PZB+	2020.12PZ+	12	3
.03.	▶ 2030.34PZB+	2030.34PZ+	2030.12PZB+	2030.12PZ+	25	4
.05.	▶ 2050.34PZB+	2050.34PZ+	2050.12PZB+	2050.12PZ+	44	6
.07.	▶ 2070.34PZB+	2070.34PZ+	2070.12PZB+	2070.12PZ+	64	8
.09.	▶ 2090.34PZB+	2090.34PZ+	2090.12PZB+	2090.12PZ+	77	9
.10.	▶ 2100.34PZB+	2100.34PZ+	2100.12PZB+	2100.12PZ+	90	10
.12.	▶ 2125.34PZB+	2125.34PZ+	2125.12PZB+	2125.12PZ+	112	12

Full set with tiewrap plate + 10 cable tiewraps, please add index K1+ ▶ e.g. 2020.34PZBK1+



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 616



KMA pivoting | Recommended for unsupported applications

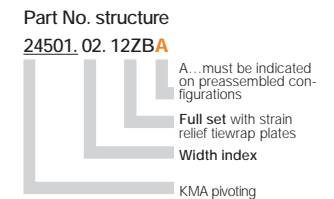
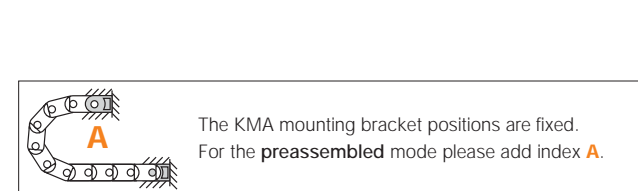
KMA locking | Recommended for vertical hanging and standing applications

Width Index	Part No. full set KMA pivoting:				Part No. full set KMA locking:				Dim A [mm]	Dim A [mm]	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates			
.02.	▶ 24501	24801.02.12ZB	24501	24801.02.12	24511	24811.02.12ZB	24511	24811.02.12	36	44	2
.03.	▶ 24501	24801.03.12ZB	24501	24801.03.12	24511	24811.03.12ZB	24511	24811.03.12	49	57	4
.05.	▶ 24501	24801.05.12ZB	24501	24801.05.12	24511	24811.05.12ZB	24511	24811.05.12	68	76	6
.07.	▶ 24501	24801.07.12ZB	24501	24801.07.12	24511	24811.07.12ZB	24511	24811.07.12	88	86	7
.09.	▶ 24501	24801.09.12ZB	24501	24801.09.12	24511	24811.09.12ZB	24511	24811.09.12	100	108	9
.10.	▶ 24501	24801.10.12ZB	24501	24801.10.12	24511	24811.10.12ZB	24511	24811.10.12	114	122	10
.12.	▶ 24501	24801.12.12ZB	24501	24801.12.12	24511	24811.12.12ZB	24511	24811.12.12	136	144	12

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

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

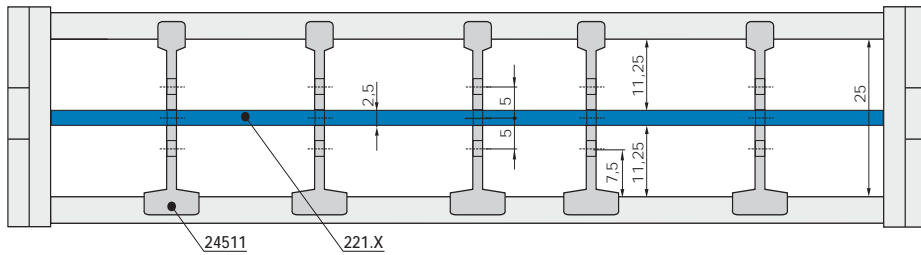
(KMA = Polymer Metal Mounting Bracket)



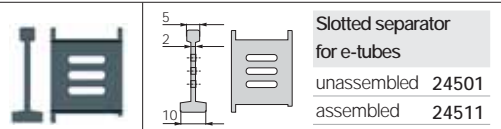
Option: Steel pivoting Part No. 2000.32 - For e-chains® and e-tubes available
 ● Pivoting connections ● One part (2-piece) for all e-chain® widths ● Electrically conductive

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 616

Interior separation

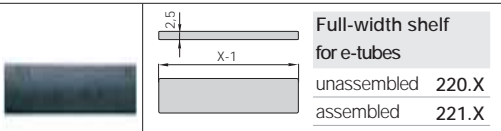


In the standard configuration separators are assembled every 2nd e-chain® link



Slotted separator 24501

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



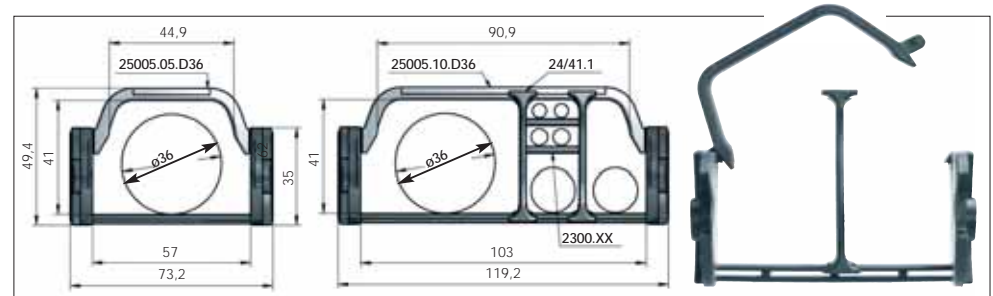
Full-width shelf 220.X

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).

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			

Extender crossbars

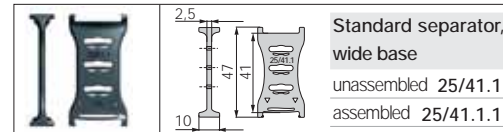


Extender crossbars only for Series 2450 - Enormous increase of the interior for the smooth guiding of larger hoses. Suitable for hoses with an outer diameter of max. 36 mm.

Extender crossbars for half e-tubes snap-open along inner radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]
2450.05 D36. <i>R</i> .0	57	73	075 100 125 150 175 200 225 250
2450.10 D36. <i>R</i> .0	103	119	075 100 125 150 175 200 225 250

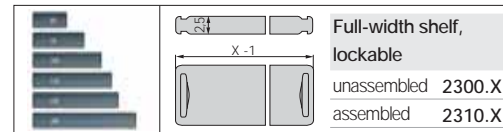
Supplement Part No. with required radius. Example: 2450.05D36.100.0

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 3 different heights.

Separator with integrated strain relief

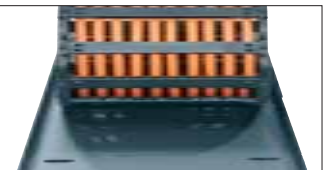
Strain relief separator Part No. 2020.ZR can be integrated into the mounting bracket and can be placed there at any point of the e-chain®. It combines strain relief and interior separation, it can be installed on the first or last chain link and is easy to assemble without any screws. **Further Information ▶ from page 636**



Optional: Support tray tool kit.

For support of the lower run.

Simple one-piece support trays according to your requirements and specification. The complete range with order options ▶ from page 700





Optimal height, high stability



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

e-chains® snap-open along inner radius	e-chains® snap-open along outer radius	Standard 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

Half e-tubes, Series 2650 and full e-tubes Series 2680 ▶ from page 276

Non snap-open e-chains® E2 medium classics, Series 26 ▶ www.igus.co.uk/en/26

Supplement Part No. with required radius. Example: 2700.05.100.0



ESD/ATEX permanently conductive e-chains® - 2700 several widths with delivery from stock:
Inner widths Bi 50 - 125, radii R 063 - 150. Full ESD delivery program ▶ www.igus.co.uk/en/ESD



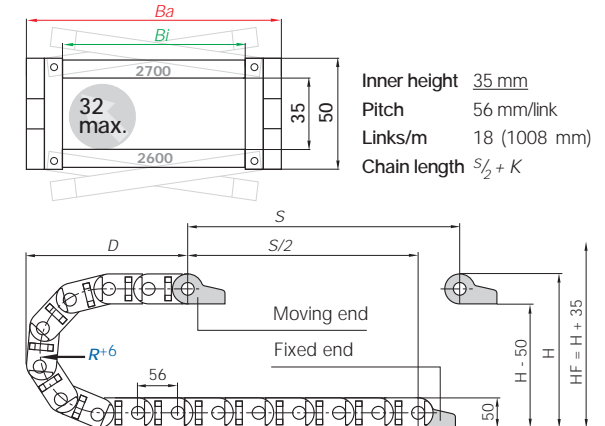
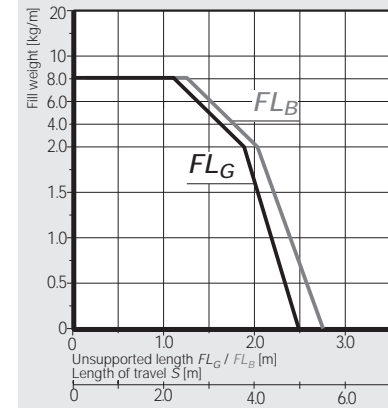
Open e-chains® in a flash with the new e-chain® opener

Reduce assembly time from 33 to 2 sec. with the new igus® e-chain® Opener.
Open a long piece of e-chain® in one go. Part No. 908.254.2600 for Series
2600/2700. For widths Bi [mm]: 06, 07, 09, 10

Further information and video ▶ www.igus.co.uk/en/savetime



Unsupported applications | Short travels

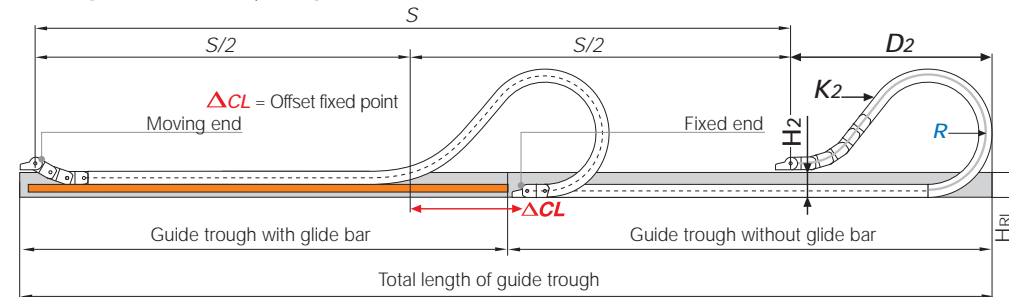


R	063	075	100	125	150	175	200	250
H	176	200	250	300	350	400	450	550
D	172	184	209	234	259	284	309	359
K	310	350	430	505	585	665	745	900

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

Before using Series 2600 on long travels please consult igus®.

Gliding applications | Long travels from 10 m to max. 120 m



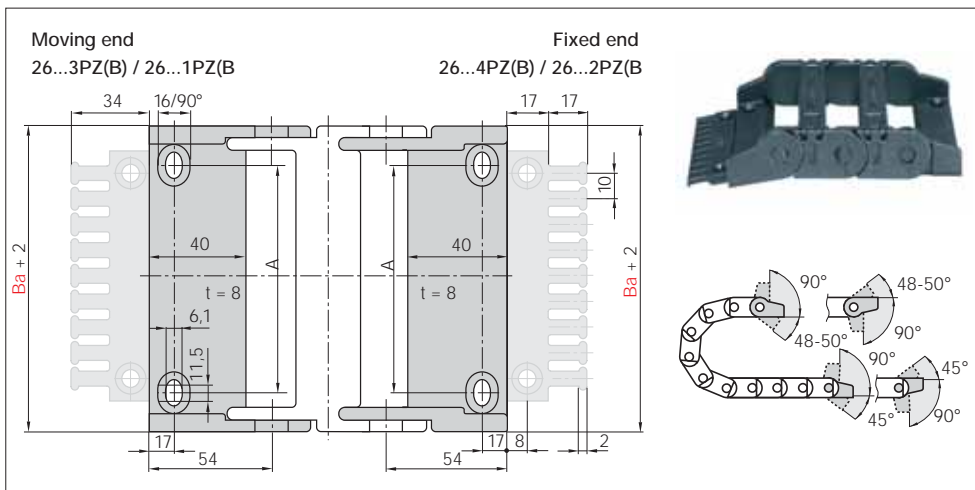
Note: For using Series 2600 for long travels (gliding), please consult with igus® first.

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. Chain length $S/2 + K_2$

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

Before using Series 2600 on long travels please consult igus®.

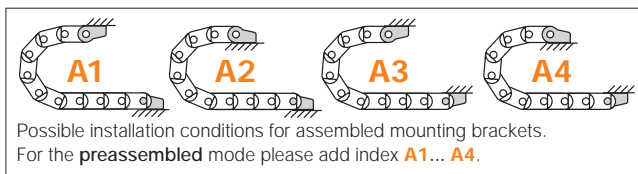


Polymer pivoting | Standard | Recommended for unsupported and gliding applications

Polymer locking | Recommended for vertical hanging and standing applications

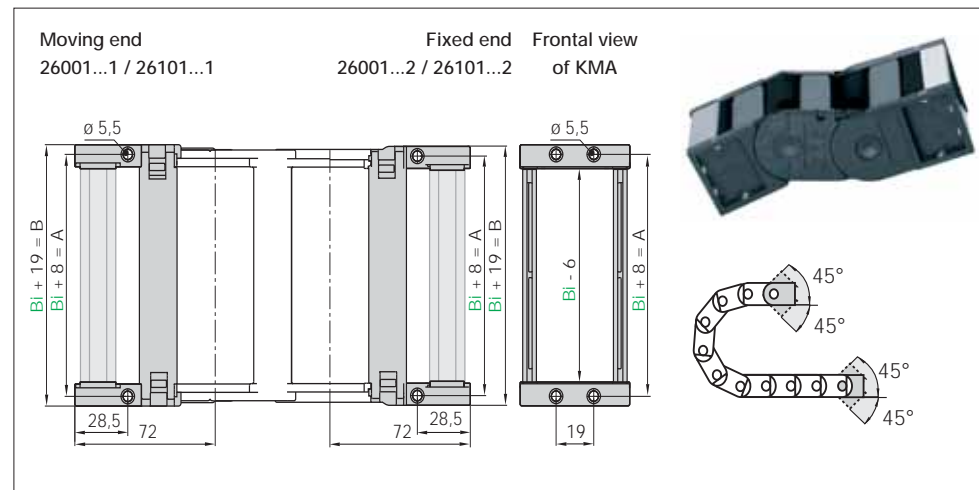
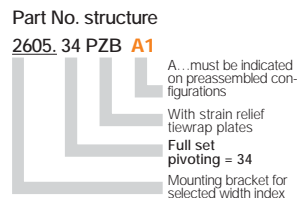
Width Index	Standard	Part No. full set pivoting:		Part No. full set locking:		Dim A [mm]	Number of teeth
		with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates		
.05.	▶	2605.34PZB	2605.34PZ	2605.12PZB	2605.12PZ	30	5
.06.	▶	2606.34PZB	2606.34PZ	2606.12PZB	2606.12PZ	45	5
.07.	▶	2607.34PZB	2607.34PZ	2607.12PZB	2607.12PZ	55	7
.09.	▶	2609.34PZB	2609.34PZ	2609.12PZB	2609.12PZ	70	9
.10.	▶	2610.34PZB	2610.34PZ	2610.12PZB	2610.12PZ	80	10
.12.	▶	2612.34PZB	2612.34PZ	2612.12PZB	2612.12PZ	105	12
.15.	▶	2615.34PZB	2615.34PZ	2615.12PZB	2615.12PZ	130	15
.17.	▶	2617.34PZB	2617.34PZ	2617.12PZB	2617.12PZ	155	17

Full set with tiewrap plate + 10 cable tiewraps, please add index K1 ▶ e.g. 2605.34PZBK1



Possible installation conditions for assembled mounting brackets.

For the preassembled mode please add index A1... A4.



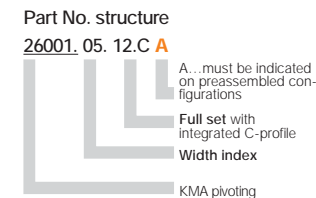
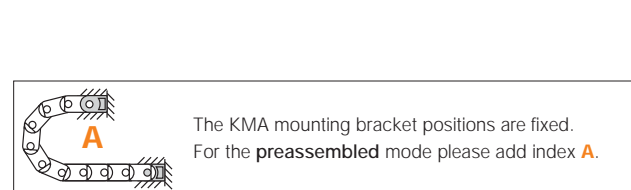
KMA pivoting | Recommended for unsupported and gliding applications

KMA locking | Recommended for vertical hanging and standing applications

Width Index	▶	Part No. full set KMA pivoting:		Part No. full set KMA locking:		Dim A [mm]	Dim B [mm]
		with C-profile	without C-profile	with C-profile	without C-profile		
.05.	▶	26001.05.12.C	26001.05.12	26101.05.12.C	26101.05.12	58	69
.06.	▶	26001.06.12.C	26001.06.12	26101.06.12.C	26101.06.12	73	84
.07.	▶	26001.07.12.C	26001.07.12	26101.07.12.C	26101.07.12	83	94
.09.	▶	26001.09.12.C	26001.09.12	26101.09.12.C	26101.09.12	98	109
.10.	▶	26001.10.12.C	26001.10.12	26101.10.12.C	26101.10.12	108	119
.12.	▶	26001.12.12.C	26001.12.12	26101.12.12.C	26101.12.12	133	144
.15.	▶	26001.15.12.C	26001.15.12	26101.15.12.C	26101.15.12	158	169
.17.	▶	26001.17.12.C	26001.17.12	26101.17.12.C	26101.17.12	183	194

KMA pivoting to one side: Moving end 26101...3 / Fixed end 26101...4

(KMA = Polymer Metal Mounting Bracket)

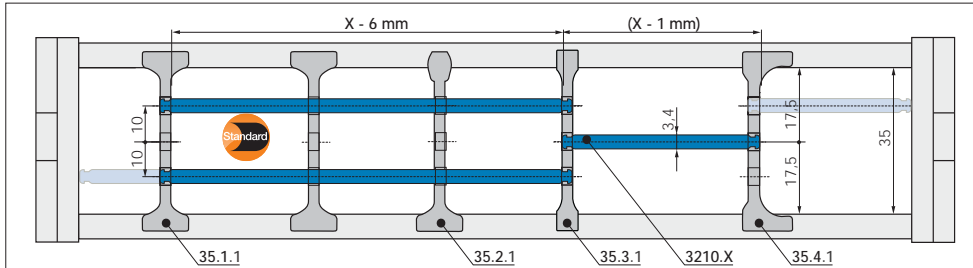


Option: Steel locking Part No. 260.12 - For e-chains® and e-tubes available

● Locked connections ● One part (2-piece) for all e-chain® widths ● Electrically conductive

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 616

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 616



In the standard configuration separators are assembled every 2nd e-chain® link
Previous interior separation with optional elements ► www.igus.co.uk/en/2600 ► www.igus.co.uk/en/2700

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

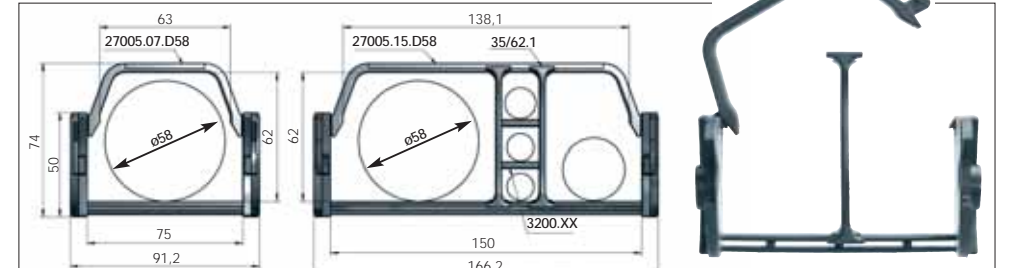
For side-mounted applications
Asymmetrical separator, for defined distance. No additional spacers necessary.

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	115	3200.115	3210.115	175	3200.175	3210.175
075	3200.075	3210.075	125	3200.125	3210.125			
100	3200.100	3210.100	150	3200.150	3210.150			



Extender crossbars - Enormous increase of the interior for the smooth guiding of larger hoses.
Suitable for hoses with an outer diameter of max. 58 mm.

Extender crossbars for e-chains® snap-open along inner radius	Extender crossbars for e-chains® snap-open along outer radius	Bi (mm)	Ba (mm)	R Bending radii (mm)
2600.07 D58.R.0	2700.07 D58.R.0	75	91	063* 075* 100 125 150 175 200 250
2600.15 D58.R.0	2700.15 D58.R.0	150	166	063* 075* 100 125 150 175 200 250

*Radius 055 only possible with e-chains® Series 2700
Supplement Part No. with required radius. Example: 2700.15D58.100.0

Interior separation for extender crossbars

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

Standard separator, wide base
For maximum locking strength and safe standing. In standard configuration separators are assembled every 2nd link.

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. Separators can be moved freely over the shelf in horizontal direction. Can be arranged at 5 different heights.

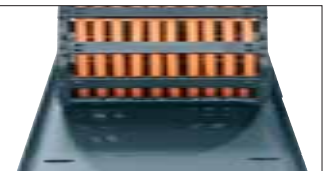
Separator with integrated strain relief

Strain relief separator Part No. 262.Z can be integrated into the mounting bracket and can be placed there at any point of the e-chain®. It combines strain relief and interior separation, it can be installed on the first or last chain link and is easy to assemble without any screws. **Further Information** ► from page 636



Optional: Support tray tool kit.

For support of the lower run.
Simple one-piece support trays according to your requirements and specification. The complete range with order options ► from page 700





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	Standard	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

Radii 063, 075: the e-tube is not completely enclosed. Please consult igus*

Supplement Part No. with required radius. Example: 2650.05.100.0

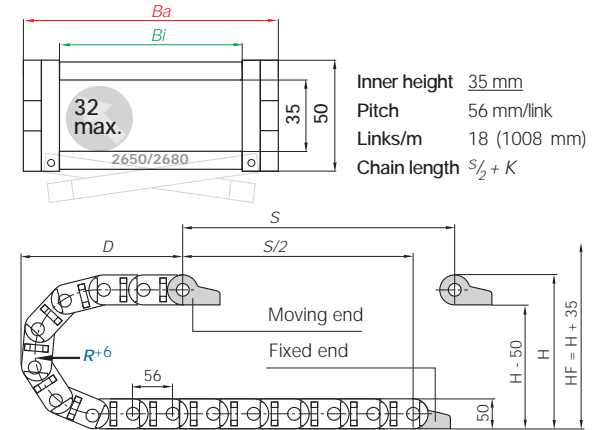
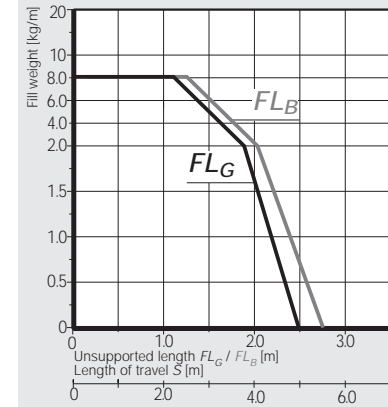


Open e-chains® in a flash with the new e-chain® opener

Reduce assembly time from 33 to 2 sec. with the new igus® e-chain® Opener.
Open a long piece of e-chain® in one go. Part No. 908.254.2600 for Series 2650.
For widths Bi [mm]: 06, 07, 09, 10
Further information and video ► www.igus.co.uk/en/savetime



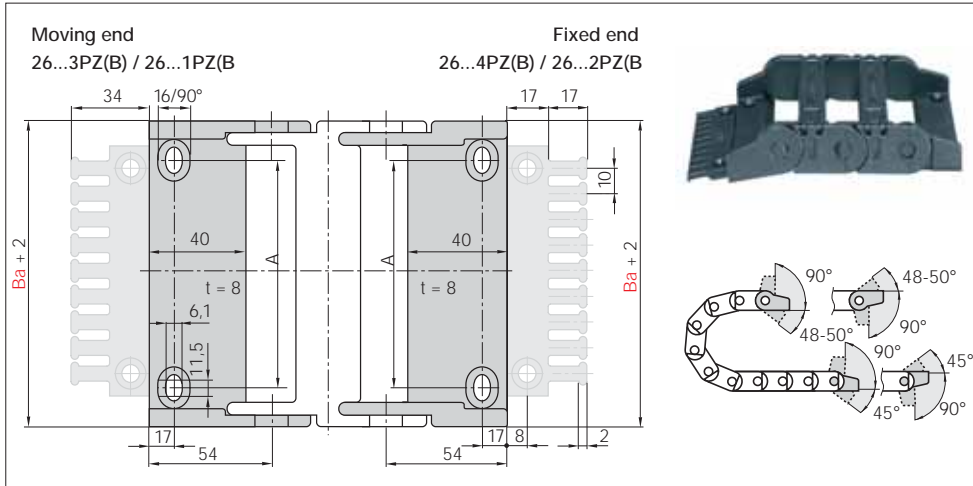
Unsupported applications | Short travels



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

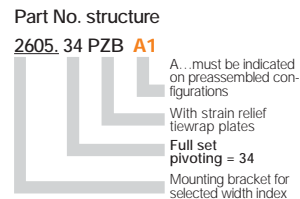
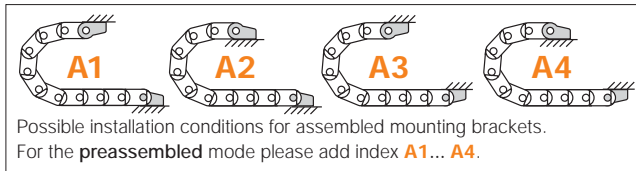


Polymer pivoting | Standard | Recommended for unsupported applications

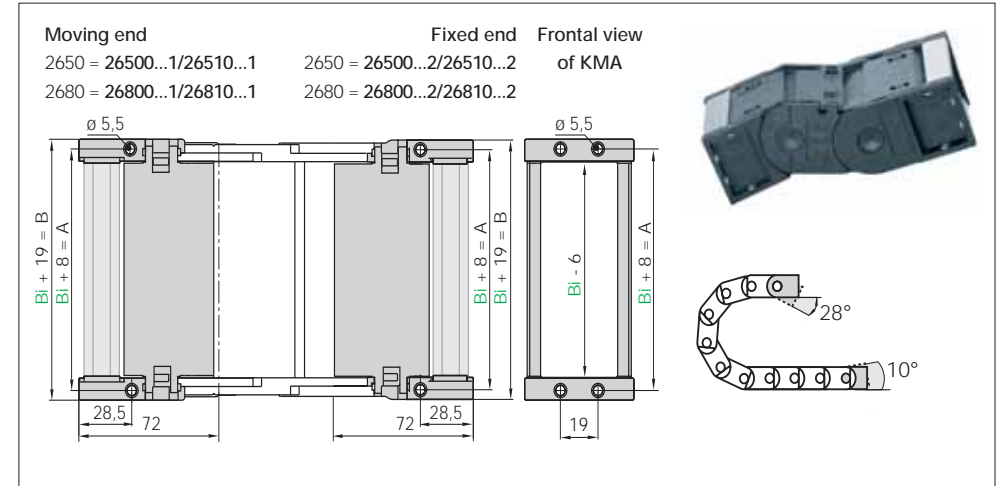
Polymer locking | Recommended for vertical hanging and standing applications

Width Index	Part No. full set pivoting:		Part No. full set locking:		Dim A [mm]	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates		
.05.	2605.34PZB	2605.34PZ	2605.12PZB	2605.12PZ	30	5
.06.	2606.34PZB	2606.34PZ	2606.12PZB	2606.12PZ	45	5
.07.	2607.34PZB	2607.34PZ	2607.12PZB	2607.12PZ	55	7
.09.	2609.34PZB	2609.34PZ	2609.12PZB	2609.12PZ	70	9
.10.	2610.34PZB	2610.34PZ	2610.12PZB	2610.12PZ	80	10
.12.	2612.34PZB	2612.34PZ	2612.12PZB	2612.12PZ	105	12
.15.	2615.34PZB	2615.34PZ	2615.12PZB	2615.12PZ	130	15
.17.	2617.34PZB	2617.34PZ	2617.12PZB	2617.12PZ	155	17

Full set with tiewrap plate + 10 cable tiewraps, please add index K1 ▶ e.g. 2605.34PZBK1



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 616



KMA pivoting | Recommended for unsupported applications

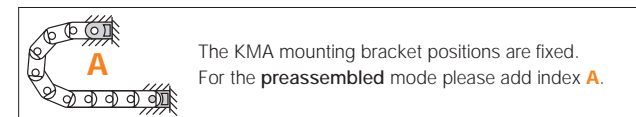
KMA locking | Recommended for vertical hanging and standing applications

Width Index	Part No. full set KMA pivoting:		Part No. full set KMA locking:		Dim A [mm]	Dim A [mm]
	with C-profile	without C-profile	with C-profile	without C-profile		
.05.	26500.26800.05.12.C	26500.26800.05.12	26510.26810.05.12.C	26510.26810.05.12	58	69
.06.	26500.26800.06.12.C	26500.26800.06.12	26510.26810.06.12.C	26510.26810.06.12	73	84
.07.	26500.26800.07.12.C	26500.26800.07.12	26510.26810.07.12.C	26510.26810.07.12	83	94
.09.	26500.26800.09.12.C	26500.26800.09.12	26510.26810.09.12.C	26510.26810.09.12	98	109
.10.	26500.26800.10.12.C	26500.26800.10.12	26510.26810.10.12.C	26510.26810.10.12	108	119
.12.	26500.26800.12.12.C	26500.26800.12.12	26510.26810.12.12.C	26510.26810.12.12	133	144
.15.	26500.26800.15.12.C	26500.26800.15.12	26510.26810.15.12.C	26510.26810.15.12	158	169
.17.	26500.26800.17.12.C	26500.26800.17.12	26510.26810.17.12.C	26510.26810.17.12	183	194

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

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

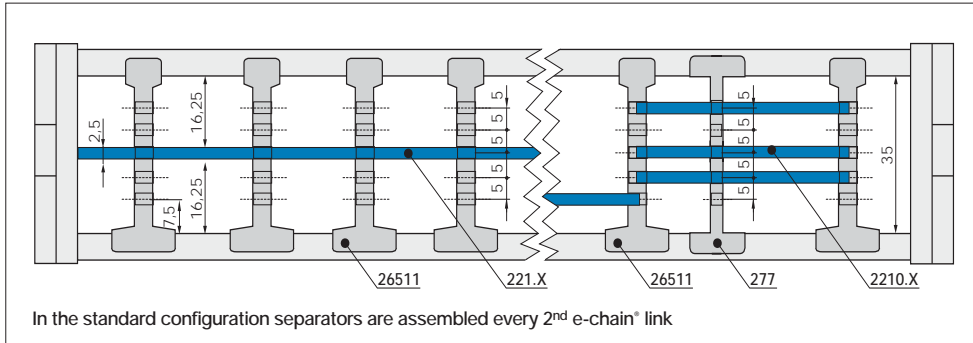
(KMA = Polymer Metal Mounting Bracket)



Option: Steel locking Part No. 260.12 - For e-chains* and e-tubes available
● Locked connections ● One part (2-piece) for all e-chain* widths ● Electrically conductive

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 616

Interior separation



Slotted separator for e-tubes
unassembled 26501
assembled 26511

Slotted separator 26501
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-tubes
unassembled 220.X
assembled 221.X

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 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			

Open slotted separator for e-tubes
unassembled 276
assembled 277

Open slotted separator 276
Quick assembly - retrofitting into an existing interior separation system without dismantling.

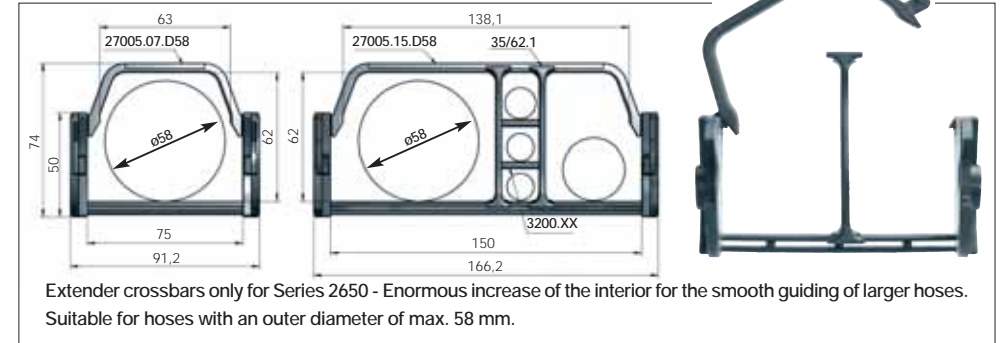
Shelf for e-tubes
unassembled 2200.X
assembled 2210.X

Shelf 2200.X
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			

Extender crossbars



Extender crossbars for half e-tubes snap-open along inner radius	Bi (mm)	Ba (mm)	R Bending radii (mm)					
2650.07 D58.R.0	75	91	100	125	150	175	200	250
2650.15 D58.R.0	150	166	100	125	150	175	200	250

Supplement Part No. with required radius. Example: 2650.15D58.100.0

Interior separation for extender crossbars

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

Standard separator, wide base
For maximum locking strength and safe standing. In standard configuration separators are assembled every 2nd link.

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. Separators can be moved freely over the shelf in horizontal direction. Can be arranged at 5 different heights.

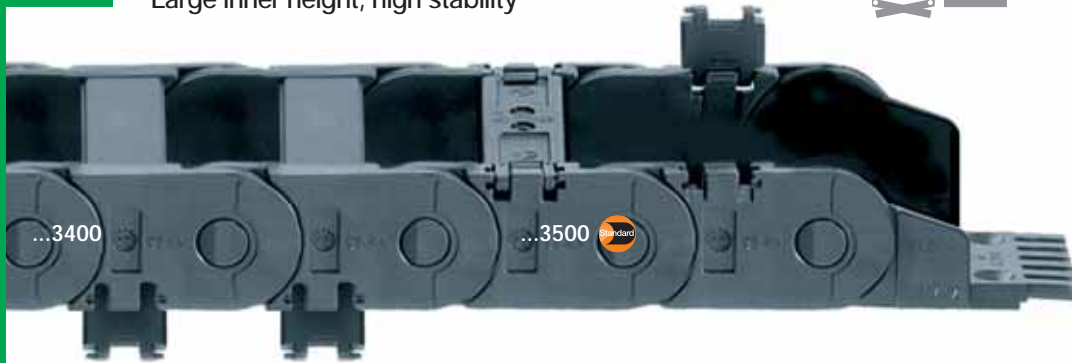
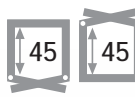
Optional: **Support tray tool kit.**

For support of the lower run.

Simple one-piece support trays according to your requirements and specification. The complete range with order options ► from page 700



Large inner height, high stability



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

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

e-chains® snap-open along inner radius	e-chains® snap-open along outer radius	<i>B_i</i> [mm]	<i>B_a</i> [mm]	<i>R</i> 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

Half e-tubes, Series 3450 and full e-tubes Series 3480 ▶ from page 288

Supplement Part No. with required radius. Example: 3500.075.200.0

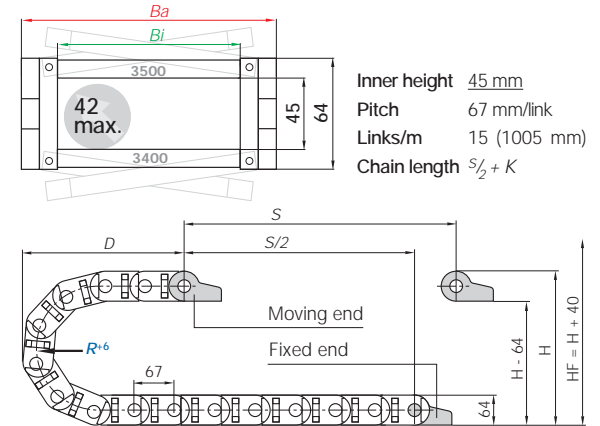
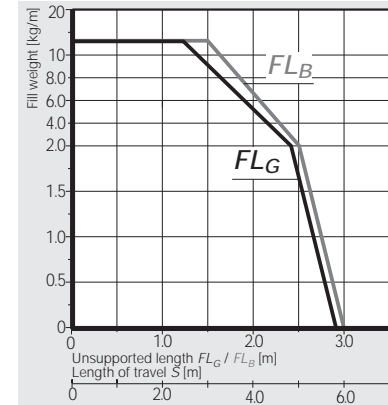
Open e-chains® in a flash with the new e-chain® opener

Reduce assembly time from 33 to 2 sec. with the new igus® e-chain® Opener. Open a long piece of e-chain® in one go. Part No. 908.254.3400 for Series 3400/3500. For widths *B_i* [mm]: 050, 075, 100, 115.

Further information and video ▶ www.igus.co.uk/en/savetime



Unsupported applications | Short travels

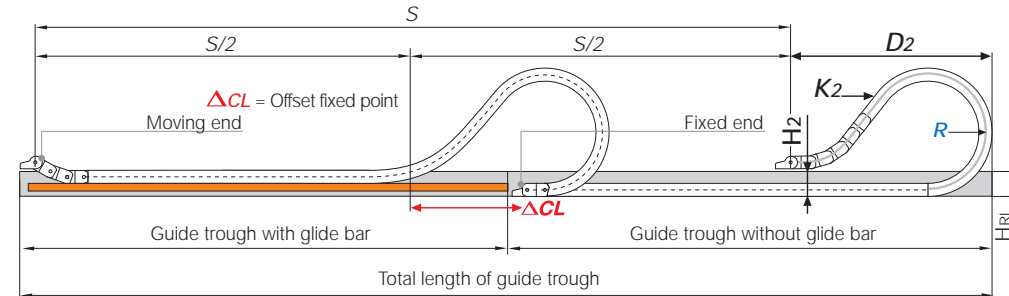


<i>R</i>	075	100	125	150	200	250	300
<i>H</i>	214	264	314	364	464	564	664
<i>D</i>	208	233	258	283	333	383	433
<i>K</i>	370	450	530	610	765	920	1080

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

Before using Series 3400 on long travels please consult igus®.

Gliding applications | Long travels from 10 m to max. 150 m



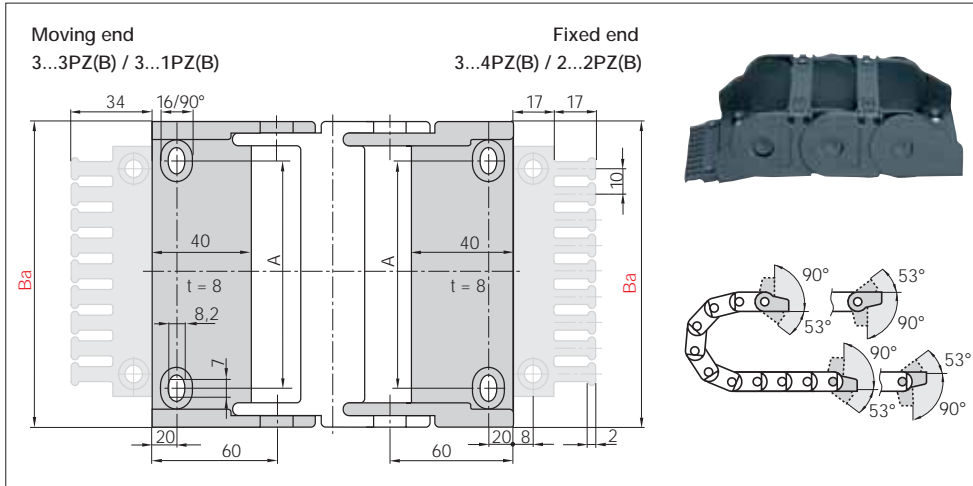
Note: For using Series 3400 for long travels (gliding), please consult with igus® first.

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. Chain length $S/2 + K_2$

<i>R</i>	075	100	125	150	200	250	300
<i>H₂</i>	150	200	186	186	186	186	186
<i>D₂+25</i>	208	233	475	570	780	1010	1150
<i>K₂</i>	370	450	804	1005	1340	1675	1943
ΔCL	-	-	233	303	463	643	733

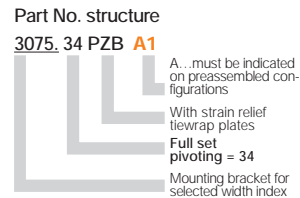
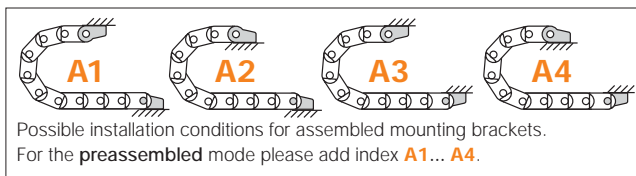
Before using Series 3400 on long travels please consult igus®.



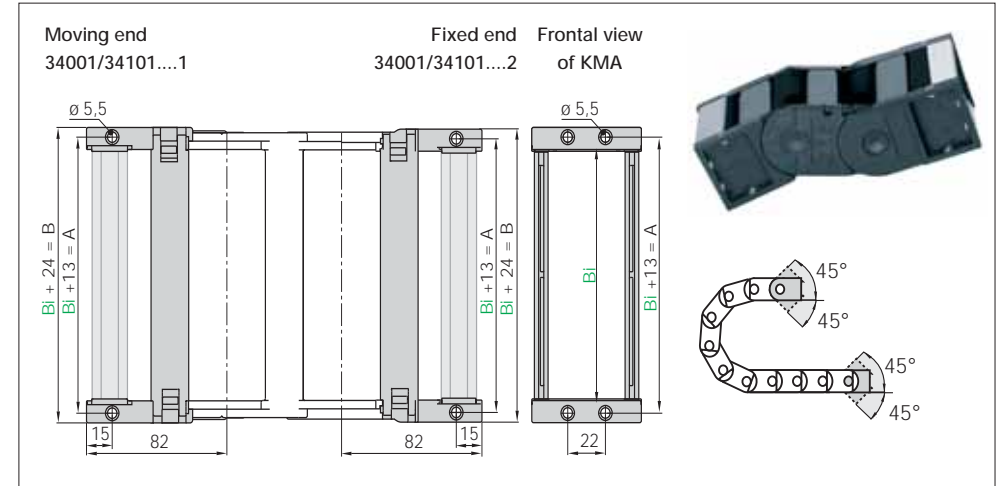
Polymer pivoting | Standard | Recommended for unsupported and gliding applications
Polymer locking | Recommended for vertical hanging and standing applications

Width Index	Part No. full set pivoting:		Part No. full set locking:		Dim A [mm]	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates		
.050.	3050.34PZB	3050.34PZ	3050.12PZB	3050.12PZ	28	5
.075.	3075.34PZB	3075.34PZ	3075.12PZB	3075.12PZ	53	7
.100.	3100.34PZB	3100.34PZ	3100.12PZB	3100.12PZ	78	10
.115.	3115.34PZB	3115.34PZ	3115.12PZB	3115.12PZ	93	11
.125.	3125.34PZB	3125.34PZ	3125.12PZB	3125.12PZ	103	12
.150.	3150.34PZB	3150.34PZ	3150.12PZB	3150.12PZ	128	15
.175.	3175.34PZB	3175.34PZ	3175.12PZB	3175.12PZ	153	17
.200.	3200.34PZB	3200.34PZ	3200.12PZB	3200.12PZ	178	20
.225.	3225.34PZB	3225.34PZ	3225.12PZB	3225.12PZ	203	22
.250.	3250.34PZB	3250.34PZ	3250.12PZB	3250.12PZ	228	25

Full set with tiewrap plate + 10 cable tiewraps, please add index K1 ▶ e.g. 3250.34PZBK1



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 616

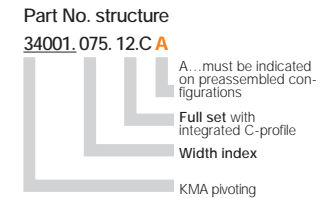
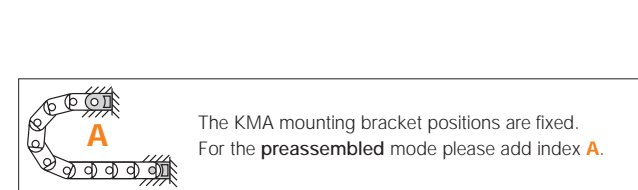


KMA pivoting | Recommended for unsupported and gliding applications
KMA locking | Recommended for vertical hanging and standing applications

Width Index	Part No. full set KMA pivoting:		Part No. full set KMA locking:		Dim A [mm]	Dim B [mm]
	with C-profile	without C-profile	with C-profile	without C-profile		
.050.	34001.050.12.C	34001.050.12	34101.050.12.C	34101.050.12	63	74
.075.	34001.075.12.C	34001.075.12	34101.075.12.C	34101.075.12	88	99
.100.	34001.100.12.C	34001.100.12	34101.100.12.C	34101.100.12	113	124
.115.	34001.115.12.C	34001.115.12	34101.115.12.C	34101.115.12	128	139
.125.	34001.125.12.C	34001.125.12	34101.125.12.C	34101.125.12	138	149
.150.	34001.150.12.C	34001.150.12	34101.150.12.C	34101.150.12	163	174
.175.	34001.175.12.C	34001.175.12	34101.175.12.C	34101.175.12	188	199
.200.	34001.200.12.C	34001.200.12	34101.200.12.C	34101.200.12	213	224
.225.	34001.225.12.C	34001.225.12	34101.225.12.C	34101.225.12	238	249
.250.	34001.250.12.C	34001.250.12	34101.250.12.C	34101.250.12	263	274

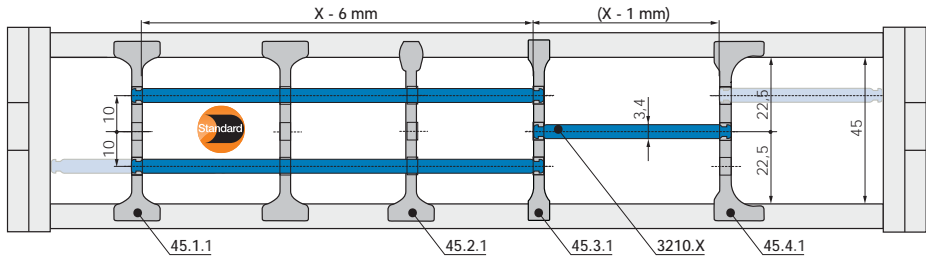
KMA pivoting to one side: Moving end 34001...3 / Fixed end 34001...4

(KMA = Polymer Metal Mounting Bracket)

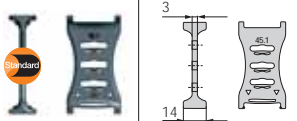


Option: Steel pivoting Part No. 3000.12 - For e-chains® and e-tubes available
● Pivoting connections ● One part (2-piece) for all e-chain® widths ● Electrically conductive

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 616

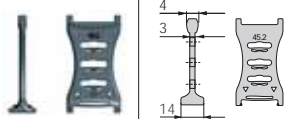


In the standard configuration separators are assembled every 2nd e-chain® link
Previous interior separation with optional elements ► www.igus.co.uk/en/3400 ► www.igus.co.uk/en/3500



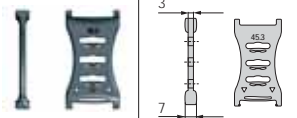
Standard separator, wide base
unassembled 45.1
assembled 45.1.1

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



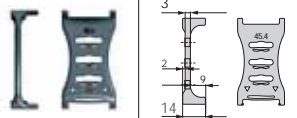
Separator, narrow head
unassembled 45.2
assembled 45.2.1

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



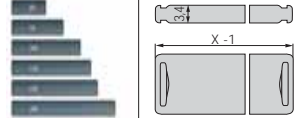
Separator, narrow base
unassembled 45.3
assembled 45.3.1

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 45.4
assembled 45.4.1

For side-mounted applications
Asymmetrical separator, for defined distance. No additional spacers necessary.



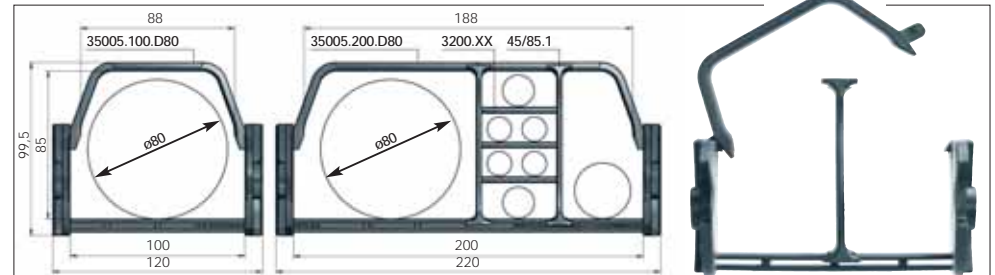
Full-width shelf, lockable
unassembled 3200.X
assembled 3210.X

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	115	3200.115	3210.115	175	3200.175	3210.175
075	3200.075	3210.075	125	3200.125	3210.125			
100	3200.100	3210.100	150	3200.150	3210.150			



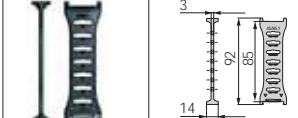
Extender crossbars - Enormous increase of the interior for the smooth guiding of larger hoses.
Suitable for hoses with an outer diameter of max. 80 mm.

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

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

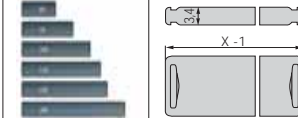
Supplement Part No. with required radius. Example: 3500.100D80.200.0

Interior separation for extender crossbars



Standard separator, wide base
unassembled 45/85.1
assembled 45/85.1.1

Standard separator, wide base
For maximum locking strength and safe standing. In standard configuration separators are assembled every 2nd link.



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. Separators can be moved freely over the shelf in horizontal direction. Can be arranged at 7 different heights.

Separator with integrated strain relief

Strain relief separator Part No. 301.Z can be integrated into the mounting bracket and can be placed there at any point of the e-chain®. It combines strain relief and interior separation, it can be installed on the first or last chain link and is easy to assemble without any screws. **Further Information** ► from page 636



Optional: Support tray tool kit.

For support of the lower run.

Simple one-piece support trays according to your requirements and specification. The complete range with order options ► from page 700





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	<i>B_i</i> (mm)	<i>B_a</i> (mm)	<i>R</i> 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

Radii 075, 100: the e-tube is not completely enclosed. Please consult igus*

Supplement Part No. with required radius. Example: 3450.075.200.0

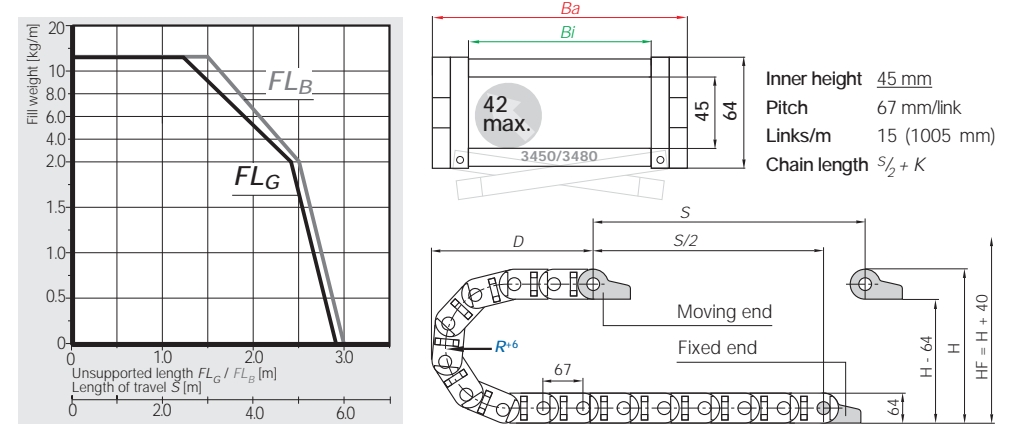


Open e-chains® in a flash with the new e-chain® opener

Reduce assembly time from 33 to 2 sec. with the new igus® e-chain® Opener.
Open a long piece of e-chain® in one go. Part No. 908.254.3400 for Series 3450.
For widths *B_i* [mm]: 050, 075, 100, 115.

Further information and video ► www.igus.co.uk/en/savetime

Unsupported applications | Short travels

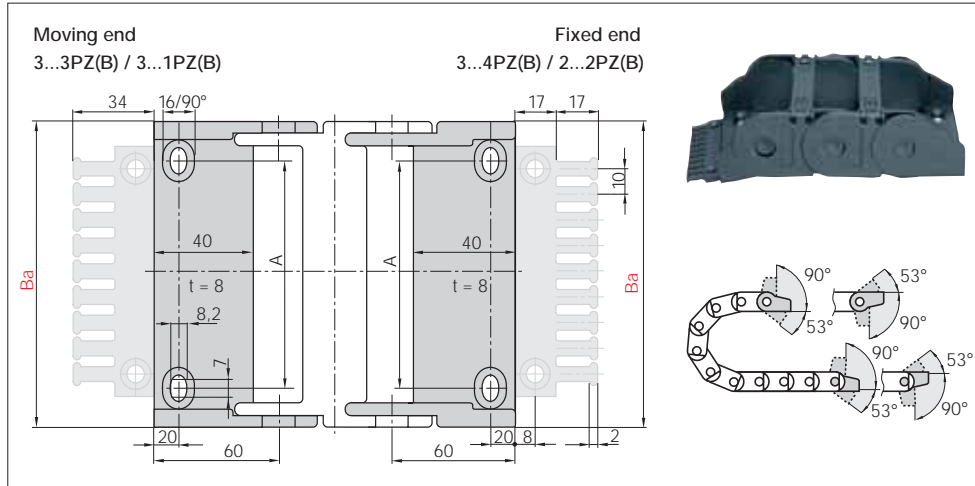


Inner height 45 mm
Pitch 67 mm/link
Links/m 15 (1005 mm)
Chain length $S/2 + K$

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

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

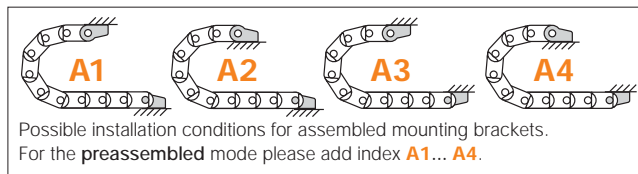
Radius available upon request, please consult igus for delivery time. Before using Series 3450/3480 on long travels please consult igus*.



Polymer pivoting | Standard | Recommended for unsupported applications
 Polymer locking | Recommended for vertical hanging and standing applications

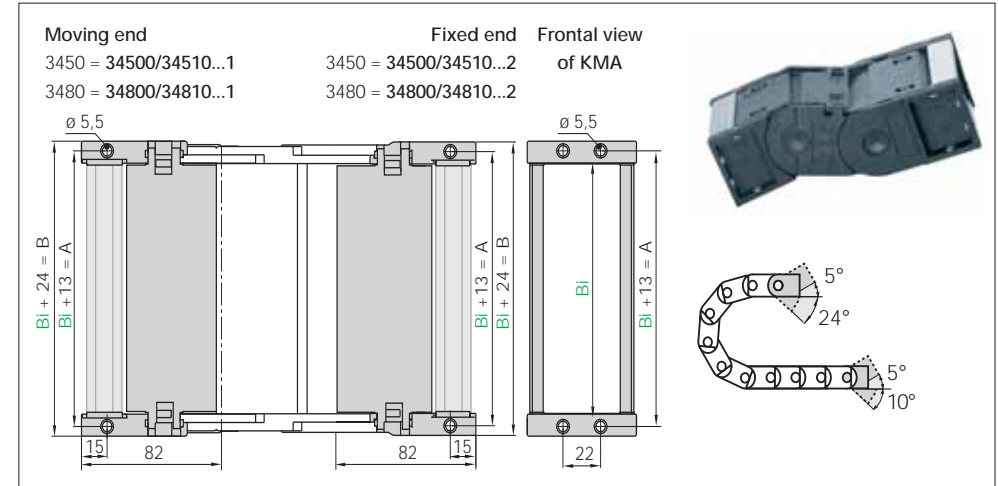
Width Index	Part No. full set pivoting:		Part No. full set locking:		Dim A [mm]	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates		
.050.	3050.34PZB	3050.34PZ	3050.12PZB	3050.12PZ	28	5
.075.	3075.34PZB	3075.34PZ	3075.12PZB	3075.12PZ	53	7
.100.	3100.34PZB	3100.34PZ	3100.12PZB	3100.12PZ	78	10
.115.	3115.34PZB	3115.34PZ	3115.12PZB	3115.12PZ	93	11
.125.	3125.34PZB	3125.34PZ	3125.12PZB	3125.12PZ	103	12
.150.	3150.34PZB	3150.34PZ	3150.12PZB	3150.12PZ	128	15
.175.	3175.34PZB	3175.34PZ	3175.12PZB	3175.12PZ	153	17
.200.	3200.34PZB	3200.34PZ	3200.12PZB	3200.12PZ	178	20
.225.	3225.34PZB	3225.34PZ	3225.12PZB	3225.12PZ	203	22
.250.	3250.34PZB	3250.34PZ	3250.12PZB	3250.12PZ	228	25

Full set with tiewrap plate + 10 cable tiewraps, please add index K1 ▶ e.g. 3250.34PZBK1



Part No. structure
3075. 34 PZB A1
 A... must be indicated on preassembled configurations
 With strain relief tiewrap plates
 Full set pivoting = 34
 Mounting bracket for selected width index

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 616



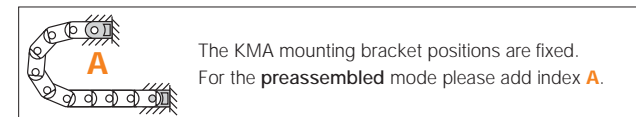
KMA pivoting | Recommended for unsupported applications
 KMA locking | Recommended for vertical hanging and standing applications

Width Index	Part No. full set KMA pivoting:		Part No. full set KMA locking:		Dim A [mm]	Dim A [mm]
	with C-profile	without C-profile	with C-profile	without C-profile		
.050.	34500 34800.050.12.C	34500 34800.050.12	34510 34810.050.12.C	34510 34810.050.12	63	74
.075.	34500 34800.075.12.C	34500 34800.075.12	34510 34810.075.12.C	34510 34810.075.12	88	99
.100.	34500 34800.100.12.C	34500 34800.100.12	34510 34810.100.12.C	34510 34810.100.12	113	124
.115.	34500 34800.115.12.C	34500 34800.115.12	34510 34810.115.12.C	34510 34810.115.12	128	139
.125.	34500 34800.125.12.C	34500 34800.125.12	34510 34810.125.12.C	34510 34810.125.12	138	149
.150.	34500 34800.150.12.C	34500 34800.150.12	34510 34810.150.12.C	34510 34810.150.12	163	174
.175.	34500 34800.175.12.C	34500 34800.175.12	34510 34810.175.12.C	34510 34810.175.12	188	199
.200.	34500 34800.200.12.C	34500 34800.200.12	34510 34810.200.12.C	34510 34810.200.12	213	224
.225.	34500 34800.225.12.C	34500 34800.225.12	34510 34810.225.12.C	34510 34810.225.12	238	249
.250.	34500 34800.250.12.C	34500 34800.250.12	34510 34810.250.12.C	34510 34810.250.12	263	274

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

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

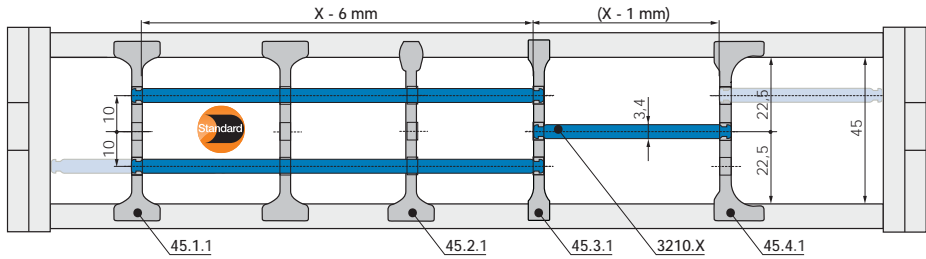
(KMA = Polymer Metal Mounting Bracket)



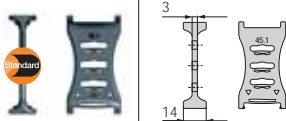
Part No. structure
34500.075.12.C A
 A... must be indicated on preassembled configurations
 Full set with integrated C-profile
 Width index
 KMA pivoting

Option: Steel pivoting Part No. 3000.12 - For e-chains* and e-tubes available
 ● Pivoting connections ● One part (2-piece) for all e-chain* widths ● Electrically conductive

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 616

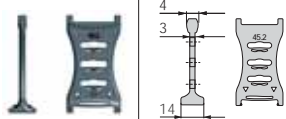


In the standard configuration separators are assembled every 2nd e-chain® link
Previous interior separation with optional elements ► www.igus.co.uk/en/3450 ► www.igus.co.uk/en/3480



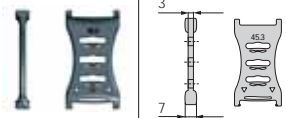
Standard separator, wide base
unassembled 45.1
assembled 45.1.1

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



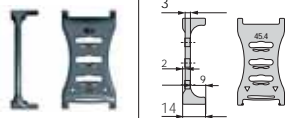
Separator, narrow head
unassembled 45.2
assembled 45.2.1

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



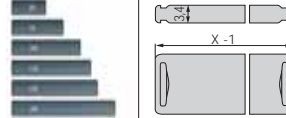
Separator, narrow base
unassembled 45.3
assembled 45.3.1

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 45.4
assembled 45.4.1

For side-mounted applications
Asymmetrical separator, for defined distance. No additional spacers necessary.



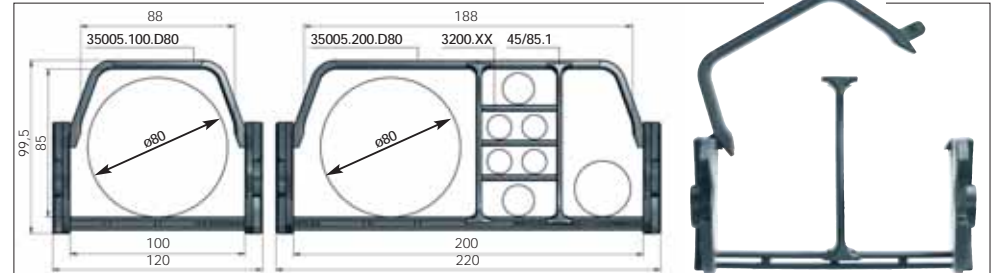
Full-width shelf, lockable
unassembled 3200.X
assembled 3210.X

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	115	3200.115	3210.115	175	3200.175	3210.175
075	3200.075	3210.075	125	3200.125	3210.125			
100	3200.100	3210.100	150	3200.150	3210.150			




Extender crossbars only for Series 3450 - Enormous increase of the interior for the smooth guiding of larger hoses.
Suitable for hoses with an outer diameter of max. 80 mm.

Extender crossbars for half e-tubes snap-open along inner radius	Bi (mm)	Ba (mm)	R Bending radii (mm)				
3450.100D80.R.0	100	120	125	150	200	250	300
3450.200D80.R.0	200	220	125	150	200	250	300


Supplement Part No. with required radius. Example: 3450.100D80.200.0

Interior separation for extender crossbars



Standard separator, wide base
unassembled 45/85.1
assembled 45/85.1.1

Standard separator, wide base
For maximum locking strength and safe standing. In standard configuration separators are assembled every 2nd link.



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. Separators can be moved freely over the shelf in horizontal direction. Can be arranged at 7 different heights.

Separator with integrated strain relief

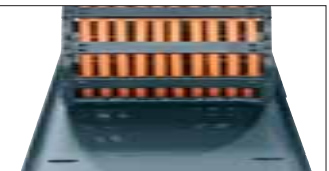
Strain relief separator Part No. 34501.Z can be integrated into the mounting bracket and can be placed there at any point of the e-chain®. It combines strain relief and interior separation, it can be installed on the first or last chain link and is easy to assemble without any screws. **Further Information** ► from page 636



Optional: Support tray tool kit.

For support of the lower run.

Simple one-piece support trays according to your requirements and specification. The complete range with order options ► from page 700





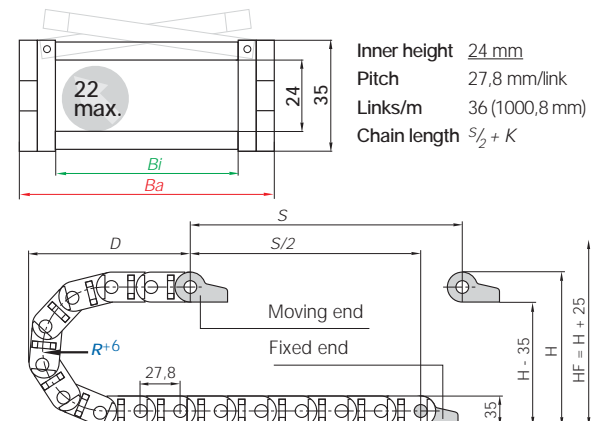
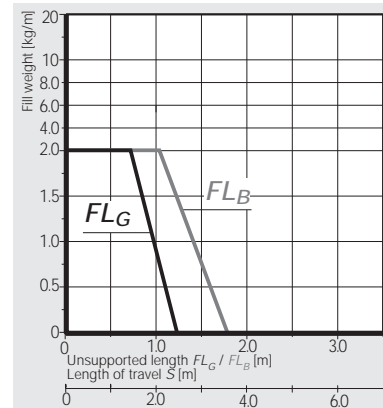
Series 255 | Snap-open along outer radius

Snap-open along inner radius	Bi (mm)	Ba (mm)	R Bending radii (mm)	Weight (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



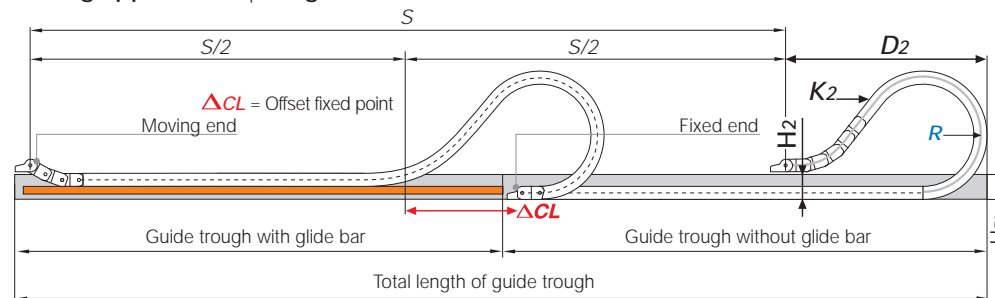
Unsupported applications | Short travels



R	055	075	100	125	150	175	200	225	250
H ₀ +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)

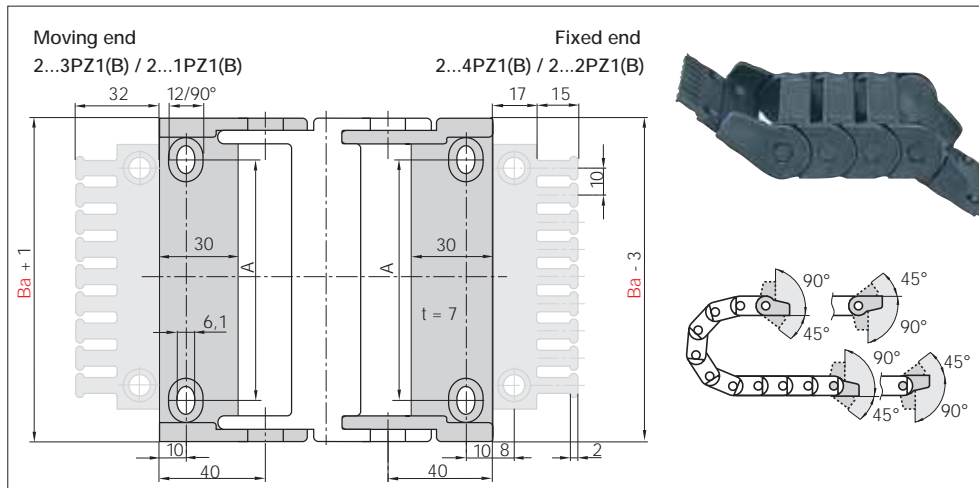
Gliding applications | Long travels from 10 m to max. 100 m



Solution for long travel applications. 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. 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	*	822

*Values upon request

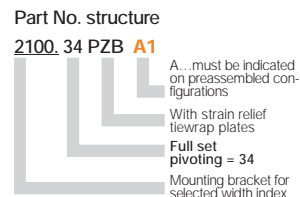
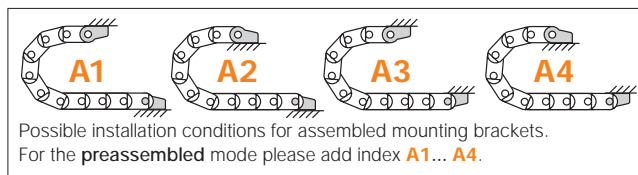


Polymer pivoting | Standard | Recommended for unsupported and gliding applications

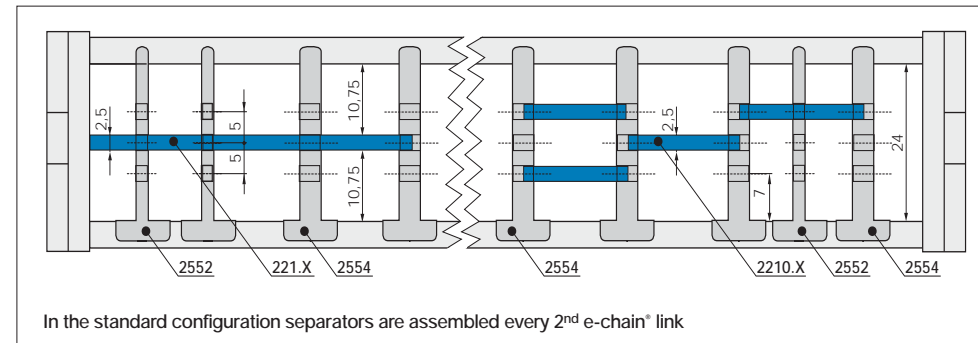
Polymer locking | Recommended for vertical hanging and standing applications

Width Index	Part No. full set pivoting:		Part No. full set locking:		Dim A [mm]	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates		
.03.	2030.34PZ1B	2030.34PZ1	2030.12PZ1B	2030.12PZ1	25	4
.05.	2050.34PZ1B	2050.34PZ1	2050.12PZ1B	2050.12PZ1	44	6
.07.	2070.34PZ1B	2070.34PZ1	2070.12PZ1B	2070.12PZ1	64	8
.10.	2100.34PZ1B	2100.34PZ1	2100.12PZ1B	2100.12PZ1	90	10

Full set with tiewrap plate + 10 cable tiewraps, please add index K1 ► e.g. 2030.34PZ1BK1



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 616



Standard slotted separator 2551

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

Slotted separator for e-chains*

unassembled	2551
assembled	2552

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).hts (in 5 mm increments).

Full-width shelf for e-tubes

unassembled	220.X
assembled	221.X

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

Slotted separator 2553

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

Slotted separator for e-chains*

unassembled	2553
assembled	2554

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).

Shelf for e-chains*

unassembled	2200.X
assembled	2210.X

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

Universal:
Attachment on all sides

Chip protection:
Smooth, chip-
repellent exterior

Long lifetime:
Lateral gliding
surfaces

Quick assembly:
Snap-open
accessibility along
inner or outer radius

Space-efficient:
Optimized ratio of inner
to outer dimension

Long service life:
Double stop dog for strong
unsupported length

Dirt repellent:
Covered
pin/bore connection


E2 Series R100 - protection against dirt and debris, cost effective

E2 Series R100 - cost effective, for applications with low and medium speeds. e-tubes R100 work in hot chip areas, in areas of dirt and dust generated by woodworking, steel-mills, pulp and paper, textile, agriculture, coal-fired plants and many other hostile environments.


- Very good protection against chips (including hot chips)
- Robust and tight
- Space-efficient with optimized ratio of inner dimension to outer dimension
- Modular interior separation
- Universal KMA mounting brackets with attachment options on all sides


Typical industries and applications

- Tooling machines
- Woodworking machines
- All kind of industries and machines with chip, dirt and dust

 e-tubes with igumid HT-Material for hot chips up to 850°C available upon request

 iF-Design Award Winner
Series R117/R118

 Electrically conductive
ESD/ATEX versions upon request

 UL94-V0 classification
upon request

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 max. length [m]	Page
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E2 e-tubes R100 - hinged, snap-open on both sides of the inner radius

R117	21	20 - 100	32 - 112	28	63 - 180	1,20	302
R157	40	40 - 200	56 - 216	50	100 - 250	2,25	306
R167	50	50 - 250	68 - 268	64	100 - 300	2,50	314



E2 e-tubes R100 - Standard hinged, snap-open on both sides of the outer radius

R118	21	25 - 80	37 - 92	28	63 - 180	1,20	302
R158	40	40 - 200	56 - 216	50	100 - 250	2,25	306
R168	50	50 - 200	68 - 218	64	100 - 300	2,50	314

Technical Data

	Gliding speed / acceleration (maximum)	upon request ¹⁾
	Speed / acceleration FL_G max.	max. 10 [m/s] / max. 100 [m/s ²]
	Speed / acceleration FL_B max.	max. 3 [m/s] / max. 6 [m/s ²]
	e-tube 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⁾ In special cases, gliding applications are also possible, please consult igus*.

Installation methods overview, maximum travels

Series e-tube	Unsupported application	Vertical hanging	Vertical standing	Side mounted unsupported
R117 / R118	≤ 1,20 m	≤ 20 m	≤ 2,0 m	≤ 0,7 m
R157 / R158	≤ 2,25 m	≤ 40 m	≤ 3,0 m	≤ 1,0 m
R167 / R168	≤ 2,50 m	≤ 50 m	≤ 3,0 m	≤ 1,0 m

Options with order keys based on Series R167

	<i>Standard</i>	<i>NC-Version - (no camber) without pretension</i>	<i>No burning-in of hot chips up to 850°C (1562°F)</i>	<i>ESD / ATEX classified e-chains* II 2 GD</i>
	Part No. Standard e-tubes 	Part No. NC-Version e-tubes 	Part No. igumid HT-Material only for e-tubes 	Part No. ESD-Material e-tubes
	168.100.R.0	168.100.R.0.NC	168.100.R.0.HT	168.100.R.0.ESD
	Delivery from stock	Delivery time: upon request	Delivery time: upon request	Delivery time: upon request

Order example | Order key and color options based on Series R168

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

e-tube (1,0 m)	Please indicate e-tube length or number of links: 1,0 m or 17 links	168.100.100.0
+ Mounting brackets	KMA, extended - 1set	1680.100.12
+ Interior separation	with 2 separators assembled every 2 nd link	2 x 1686.01

Order text: 1,0 m 168.100.100.0 + 1680.100.12 + 2 x 1686.01

Order key

e-tube snap-open along outer radius	168.100.100.0
e-tube snap-open along inner radius	167.100.100.0

Series / Type

Width index (depends on B)

Bending radius R

Color index (standard black)

General igus* 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: upon request

168.100.100.0 = e-tube snap-open on both sides of the outer radius, inner width B_i 100 mm, radius R 100 mm, color black
167.100.100.0 = e-tube snap-open on both sides of the inner radius, inner width B_i 100 mm, radius R 100 mm, color black



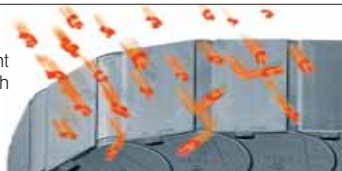
Series R117 | Hinged, snap-open on both sides of the inner radius
Series R118 | Hinged, snap-open on both sides of the outer radius | Standard

e-tubes snap-open along inner radius	e-tubes snap-open along outer radius 	Bi (mm)	Ba (mm)	R Bending radii (mm)	R117 (kg/m)	R118 (kg/m)
117.020.R.0	118.020.R.0*	20	32	063 075 100 110 125 145 180	≈ 0,43	≈ 0,43
117.025.R.0	118.025.R.0	25	37	063 075 100 110 125 145 180	≈ 0,46	≈ 0,46
117.038.R.0	118.038.R.0*	38	50	063 075 100 110 125 145 180	≈ 0,56	≈ 0,56
117.048.R.0	118.048.R.0	48	60	063 075 100 110 125 145 180	≈ 0,66	≈ 0,66
117.063.R.0	118.063.R.0*	63	75	063 075 100 110 125 145 180	≈ 0,76	≈ 0,76
117.080.R.0	118.080.R.0	80	92	063 075 100 110 125 145 180	≈ 0,89	≈ 0,89
117.100.R.0	118.100.R.0*	100	112	063 075 100 110 125 145 180	≈ 1,06	≈ 1,06

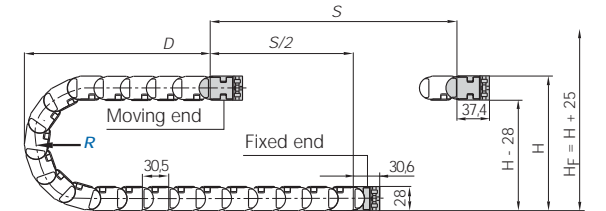
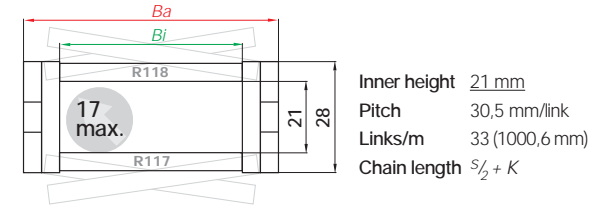
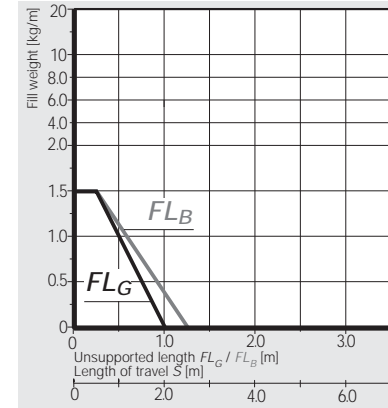
*Width available upon request, please consult igus® for delivery time
Supplement Part No. with required radius. Example: 118.080.100.0

Hot Chips up to 850°C

e-tubes that repel hot chips, up to 850 °C. Some applications, depending on amount and size of the chips, can burn or melt the surface. That is no longer the case with the igus® "igumid HT" material. Order example: Full e-tube made of igumid HT: Part No. 118.080.100.0.HT (for long travels upon request)
Delivery time upon request. Further Information ► www.igus.co.uk/en/HT



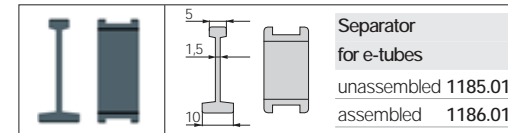
Unsupported applications | Short travels



R	063	075	100	110	125	145	180
H	154	178	228	248	278	318	388
D	123	135	160	170	185	205	240
K	260	300	380	410	455	520	630

The required clearance height: $H_F = H + 25$ mm (with 1,0 kg/m fill weight)

Interior separation | Standard

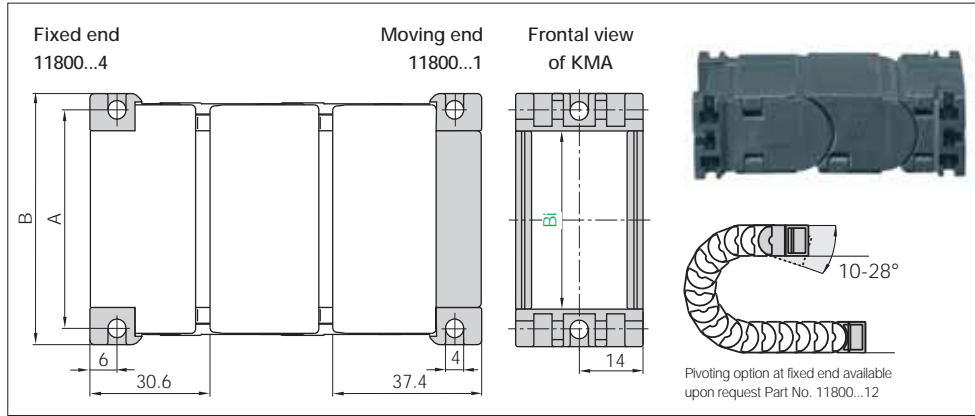


Vertical Separator 1185.01

Vertical Separators are used if a vertical subdivision of the e-tube interior is required - By standard Vertical Separators are assembled every other e-tube link.

E2 e-tubes R100 | R117-R118 | Accessories

KMA mounting brackets | Attachment on all sides | one side pivoting

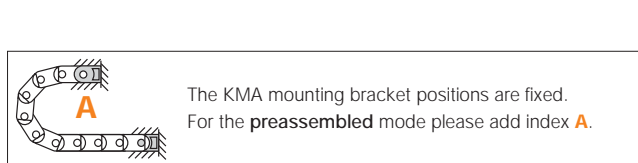


KMA one side pivoting | Recommended for short travels | Standard

Width Index	Part No. full set KMA one side pivoting:	Dim A [mm]	Dim B [mm]
020. ▶	11800.020.14	29	36
025. ▶	11800.025.14	34	41
038. ▶	11800.038.14	47	54
048. ▶	11800.048.14	57	64
063. ▶	11800.063.14	72	79
080. ▶	11800.080.14	89	96
100. ▶	11800.100.14	109	116

(KMA = Polymer Metal Mounting Bracket)

The mounting brackets are supplied with hexagon nuts and can be attached with M4 bolts, or the mounting brackets may also be attached with M4 socket head cap bolts.

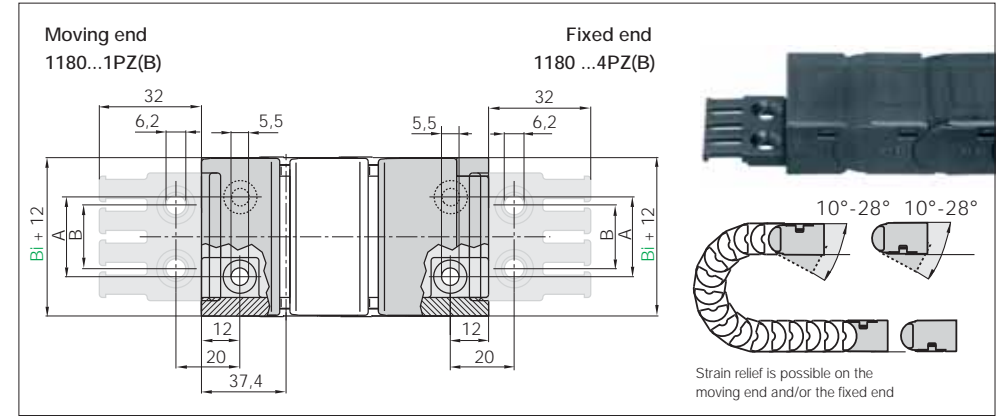


Part No. structure	Notes
11800.020.14 A	A... must be indicated on preassembled configurations
Full set	
Width index	
KMA pivoting	

 **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 616

E2 e-tubes R100 | R117-R118 | Accessories

Mounting brackets, angled, polymer | one side pivoting

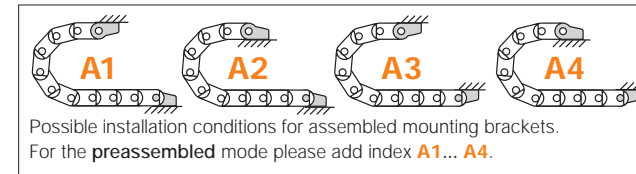


Angled polymer bracket one side pivoting | Recommended for short travels


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
025. ▶	1180.025.14PZB	1180.025.14PZ	12	15	3
038. ▶	1180.038.14PZB	1180.038.14PZ	25	20	4
048. ▶	1180.048.14PZB	1180.048.14PZ	35	30	5
063. ▶	1180.063.14PZB	1180.063.14PZ	50	40	6
080. ▶	1180.080.14PZB	1180.080.14PZ	67	60	8
100. ▶	1180.100.14PZB	1180.100.14PZ	87	80	10

The following parts are required for attachment of the mounting brackets:

- Countersunk bolt M5 DIN 912-8.8 Length depends on the thickness of the attachment base
- Hexagon nut M5 DIN 934-8



Part No. structure	Notes
1180.048.14 PZBA1	A... must be indicated on preassembled configurations
Full set	With strain relief tiewrap plates
Width index	Mounting bracket for selected width index

 **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 616



Series R157 | Hinged, snap-open on both sides of the inner radius
Series R158 | Hinged, snap-open on both sides of the outer radius | Standard

e-tubes snap-open along inner radius	e-tubes snap-open along outer radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	R157 [kg/m]	R158 [kg/m]
157.040.R.0 ¹⁾	158.040.R.0 ¹⁾	40	56	100 125 150 175 200 250	≈ 1,21	≈ 1,21
157.050.R.0	158.050.R.0	50	66	100 125 150 175 200 250	≈ 1,30	≈ 1,30
157.075.R.0	158.075.R.0	75	91	100 125 150 175 200 250	≈ 1,50	≈ 1,50
157.088.R.0	158.088.R.0	88	104	100 125 150 175 200 250	≈ 1,57	≈ 1,57
157.090.R.0 ²⁾	158.090.R.0 ²⁾	88	104	100 125 150 175 200 250	≈ 1,63	≈ 1,63
157.100.R.0	158.100.R.0	100	116	100 125 150 175 200 250	≈ 1,71	≈ 1,71
157.125.R.0	158.125.R.0	125	141	100 125 150 175 200 250	≈ 1,92	≈ 1,92
157.135.R.0	158.135.R.0	135	150	100 125 150 175 200 250	≈ 2,10	≈ 2,10
157.150.R.0	158.150.R.0	150	166	100 125 150 175 200 250	≈ 2,13	≈ 2,13
157.175.R.0	158.175.R.0	175	191	100 125 150 175 200 250	≈ 2,34	≈ 2,34
157.200.R.0	158.200.R.0	200	216	100 125 150 175 200 250	≈ 2,55	≈ 2,55

1) Lid removable only, not hinged

2) Same dimensions as 157.088 - less recent design, no hinged option

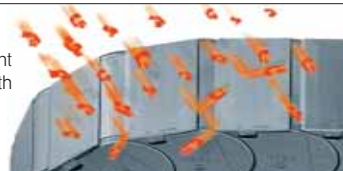
Supplement Part No. with required radius. Example: 158.100.100.0

Hot Chips up to 850°C

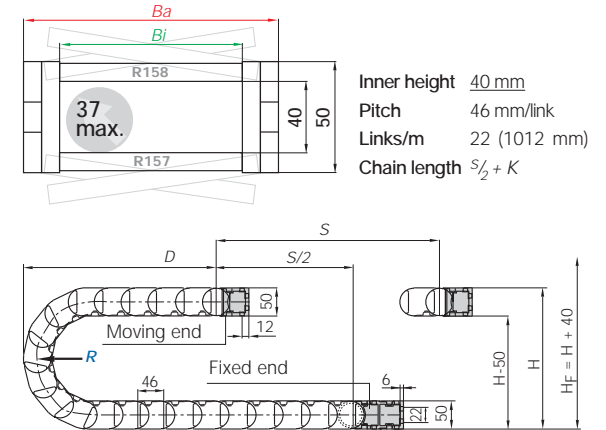
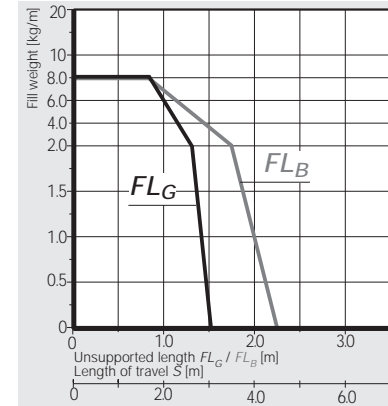
e-tubes that repel hot chips, up to 850 °C. Some applications, depending on amount and size of the chips, can burn or melt the surface. That is no longer the case with the igus® "igumid HT" material. Order example: Full e-tube made of igumid HT:

Part No. 158.100.100.0.HT (for long travels upon request)

Delivery time upon request. Further Information ► www.igus.co.uk/en/HT



Unsupported applications | Short travels

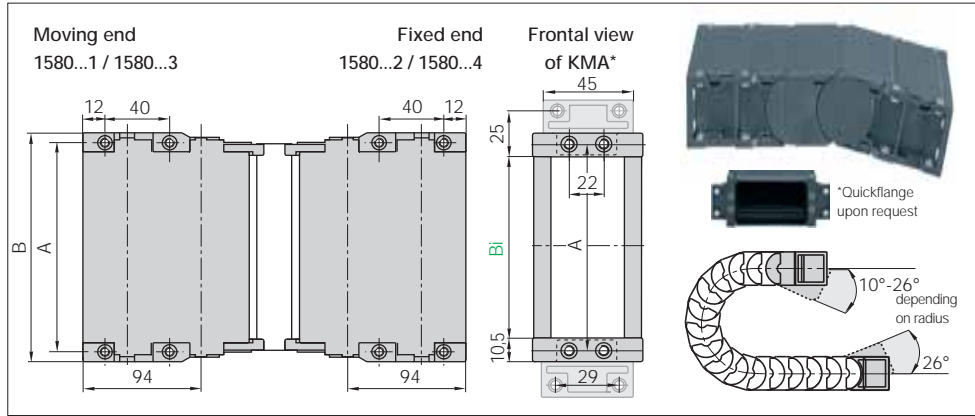


R	100	125	150	175	200	250
H	250	300	350	400	450	550
D	194	219	244	269	294	344
K	410	485	565	645	725	880

The required clearance height: $H_F = H + 40$ mm (with 1,0 kg/m fill weight)

E2 e-tubes R100 | R157·R158 | Accessories

KMA mounting brackets, extended | Attachment on all sides | pivoting | locking



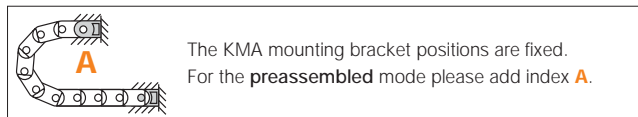
KMA, extended pivoting | Recommended for short travels | Standard
KMA, extended locking | Recommended for vertical hanging, standing applications

Width Index	Part No. full set KMA pivoting:	Part No. full set KMA locking:	Dim A [mm]	Dim B [mm]
.040. ▶	15801.040.12	15801.040.34	50	61
.050. ▶	15800.050.12	15800.050.34	60	71
.075. ▶	15800.075.12	15800.075.34	85	96
.088. ▶	15800.088.12	15800.088.34	98	109
.090. ▶	15801.090.12	15801.090.34	98	109
.100. ▶	15800.100.12	15800.100.34	110	121
.125. ▶	15800.125.12	15800.125.34	135	146
.135. ▶	15800.135.12	15800.135.34	145	156
.150. ▶	15800.150.12	15800.150.34	160	171
.175. ▶	15800.175.12	15800.175.34	185	196
.200. ▶	15800.200.12	15800.200.34	210	221

Full set with assembled Quickflange, please add index QF ▶ e.g. 15800.200.12.QF. Quickflange unassembled: Part No. 15800.QF
(KMA = Polymer Metal Mounting Bracket)

The following parts are required for attachment of the mounting brackets:

- Socket head cap bolt M5 DIN 912-8.8 Length depends on the thickness of the attachment base
- Hexagon nut M5 DIN 934-8 ● Washer 5,3 DIN 125-ST



Part No. structure
15800. 100. 12 A

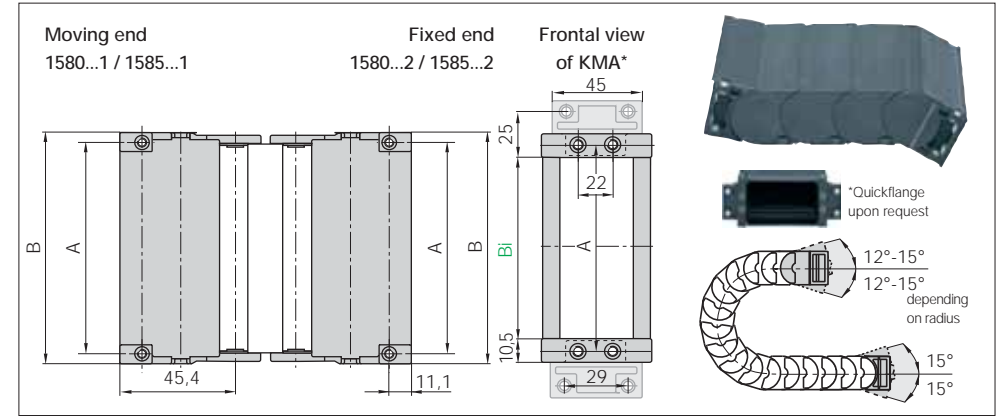
A... must be indicated on preassembled configurations
Full set pivoting = 12

Width index
Mounting bracket for selected width index

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 616

E2 e-tubes R100 | R157·R158 | Accessories

KMA mounting brackets, abbreviated | Attachment on all sides | pivoting | locking



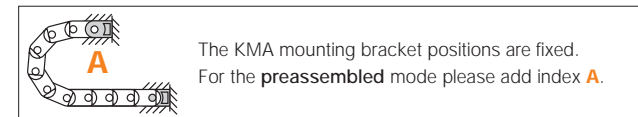
KMA, abbreviated pivoting | Recommended for short travels | Standard
KMA, abbreviated locking | Recommended for vertical hanging, standing applications

Width Index	Part No. full set KMA pivoting:	Part No. full set KMA locking:	Dim A [mm]	Dim B [mm]
.040. ▶	1580.040.12	1585.040.12	50	61
.050. ▶	1580.050.12	1585.050.12	60	71
.075. ▶	1580.075.12	1585.075.12	85	96
.088. ▶	1580.088.12	1585.088.12	98	109
.090. ▶	1580.090.12	1585.090.12	98	109
.100. ▶	1580.100.12	1585.100.12	110	121
.125. ▶	1580.125.12	1585.125.12	135	146
.135. ▶	1580.135.12	1585.135.12	145	156
.150. ▶	1580.150.12	1585.150.12	160	171
.175. ▶	1580.175.12	1585.175.12	185	196
.200. ▶	1580.200.12	1585.200.12	210	221

Full set with assembled Quickflange, please add index QF ▶ e.g. 1580.200.12.QF. Quickflange unassembled: Part No. 15800.QF
(KMA = Polymer Metal Mounting Bracket)

The following parts are required for attachment of the mounting brackets:

- Socket head cap bolt M5 DIN 912-8.8 Length depends on the thickness of the attachment base
- Hexagon nut M5 DIN 934-8 ● Washer 5,3 DIN 125-ST

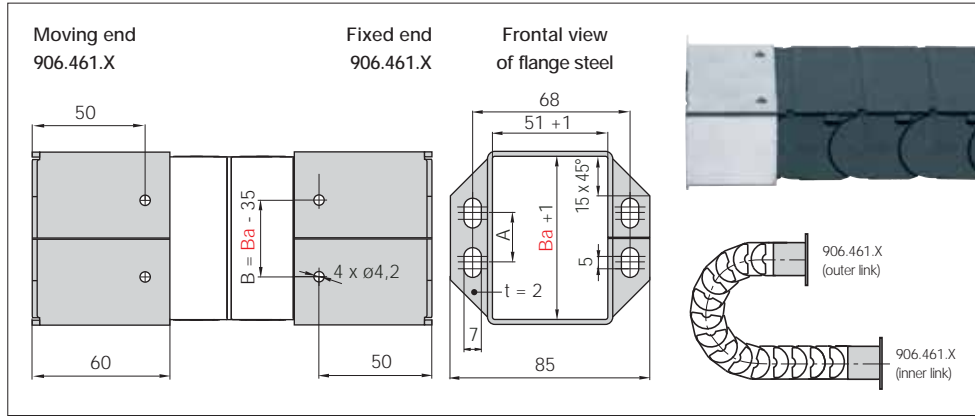


Part No. structure
1580. 100. 12 A

A... must be indicated on preassembled configurations
Full set

Width index
KMA pivoting

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 616



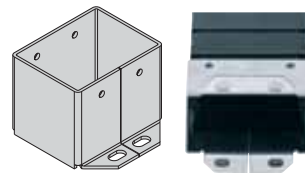
Flange steel, pivoting | Recommended for short travels

Width Index	Hole pattern	Part No. full set steel, flange	Bi [mm]	Ba [mm]	Dim A [mm]	Dim B [mm]
.050. ▶	58.05	906.461.1	50	66	20	31
.075. ▶	58.1	906.461.2	75	91	30	57

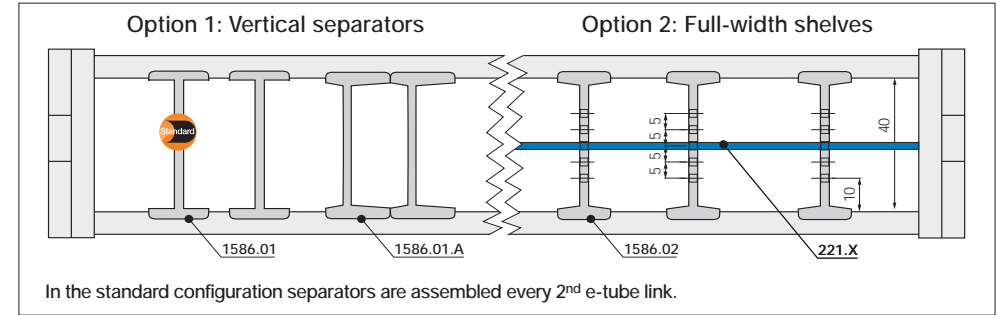
Mounting only with hexagon socket DIN 912 M6 and washer DIN 125, 6,3 mm

Flange steel mounting brackets for E2 e-tubes


Metallic flange brackets with common hole patterns, easily be replaced by their modern successors, without having to alter the hole pattern. Flush mounting possibilities at both ends of the e-tube for flange mounting brackets made of steel.



 **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 616




In the standard configuration separators are assembled every 2nd e-tube link.

 **Separator for e-tubes**
unassembled 1585.01
assembled 1586.01


Separator 1585.01

For a vertical subdivision.
Offers safe stability due to its wide base design, also when used with thick cables or hoses.

 **Asymmetrical separator**
unassembled 1585.01.A
assembled 1586.01.A


Asymmetrical separator 1585.01.A

For side-mounted applications.
Asymmetrical separator, for defined distance.
No additional spacers necessary.

 **Separator, slotted for e-tubes**
unassembled 1585.02
assembled 1586.02

Slotted separator 1585.02

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-tubes**
unassembled 220.X
assembled 221.X

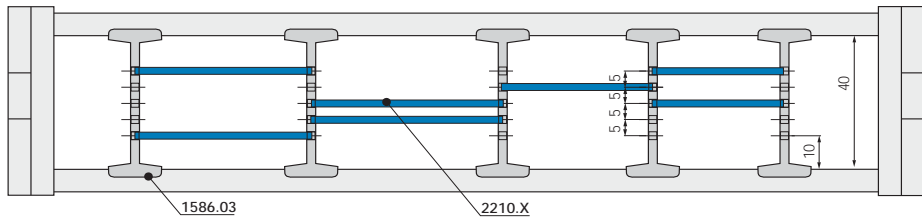
Full-width shelf 220.X

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

Full-width shelf

Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
040	220.40	221.40	100	220.100	221.100	175	220.175	221.175
050	220.50	221.50	125	220.125	221.125	200	220.200	221.200
075	220.75	221.75	135	220.135	221.135			
088	220.88	221.88	150	220.150	221.150			

Option 3: Shelves



In the standard configuration separators are assembled every 2nd e-tube link.

		<p>Middle plate for e-tubes</p> <p>unassembled 1585.03</p> <p>assembled 1586.03</p>
		<p>Shelf for e-tubes</p> <p>unassembled 2200.X</p> <p>assembled 2210.X</p>

Middle plate 1585.03

To achieve a modular shelving the shelf 2200.X can be arranged at 5 different heights (in 5 mm increments).

Shelf 2200.X

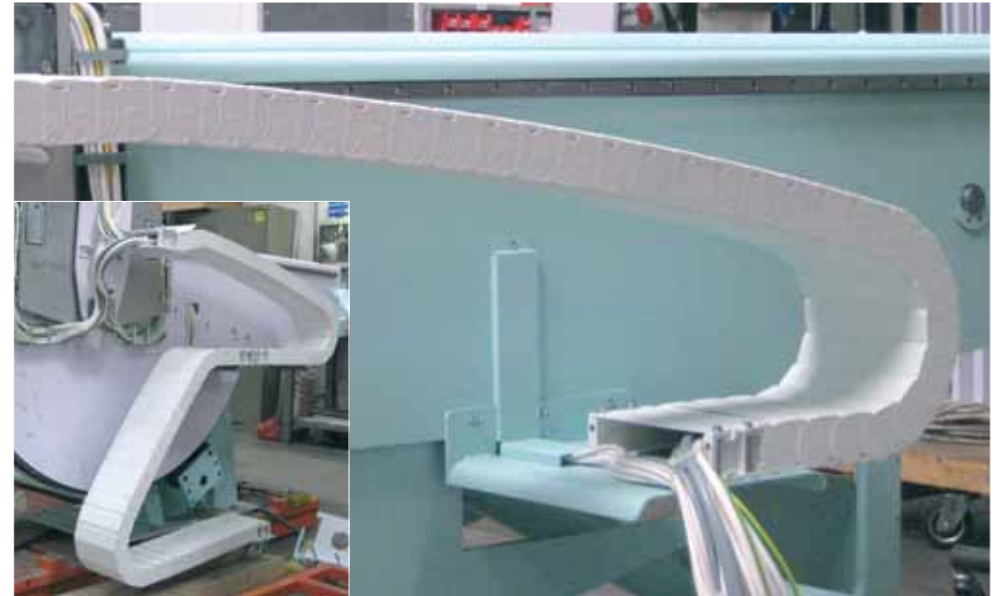
For applications involving many cables with different diameters, shelves can be arranged at alternate heights. They can be arranged at 5 different heights (in 5 mm increments).

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			

Separator with integrated strain relief

Strain relief separator Part No. 1585.01.Z can be integrated into the mounting bracket and can be placed there at any point of the e-chain*. It combines strain relief and interior separation, it can be installed on the first or last chain link and is easy to assemble without any screws. **Further Information** ► from page 636




igus® white e-tubes Series R100 in a medical application

Chip protection, even against hot chips, cost effective



Series R167 | Hinged, snap-open on both sides of the inner radius

Series R168 | Hinged, snap-open on both sides of the outer radius | Standard

e-tubes snap-open along inner radius	e-tubes snap-open along outer radius 	B_i [mm]	B_a [mm]	R Bending radii [mm]									R167 [kg/m]	R168 [kg/m]
167.050.R.0	168.050.R.0	50	68	100	125	150	175	200	225	250	300	≈ 1,58	≈ 1,58	
167.075.R.0	168.075.R.0	75	93	100	125	150	175	200	225	250	300	≈ 1,84	≈ 1,84	
167.100.R.0	168.100.R.0	100	118	100	125	150	175	200	225	250	300	≈ 2,09	≈ 2,09	
167.115.R.0	168.115.R.0	115	133	100	125	150	175	200	225	250	300	≈ 2,24	≈ 2,24	
167.125.R.0	168.125.R.0*	125	143	100	125	150	175	200	225	250	300	≈ 2,35	≈ 2,35	
167.150.R.0	168.150.R.0	150	168	100	125	150	175	200	225	250	300	≈ 2,60	≈ 2,60	
167.175.R.0	168.175.R.0	175	193	100	125	150	175	200	225	250	300	≈ 2,86	≈ 2,86	
167.200.R.0	168.200.R.0	200	218	100	125	150	175	200	225	250	300	≈ 3,11	≈ 3,11	
167.225.R.0	168.225.R.0*	225	243	100	125	150	175	200	225	250	300	≈ 3,37	≈ 3,37	
167.250.R.0	168.250.R.0*	250	268	100	125	150	175	200	225	250	300	≈ 3,62	≈ 3,62	

Width available upon request, please consult igus for delivery time

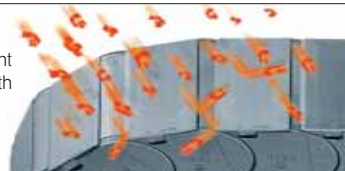
Supplement Part No. with required radius. Example: 168.100.100.0

Hot Chips up to 850°C

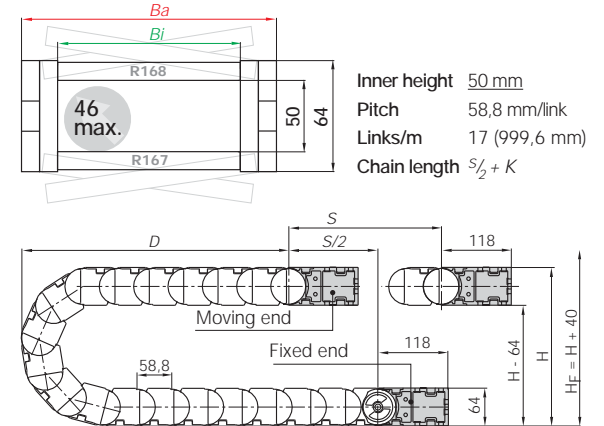
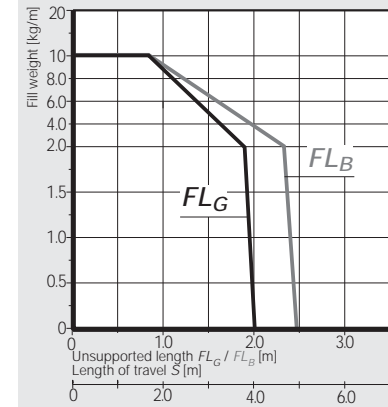
e-tubes that repel hot chips, up to 850 °C. Some applications, depending on amount and size of the chips, can burn or melt the surface. That is no longer the case with the igus* "igumid HT" material. Order example: Full e-tube made of igumid HT:

Part No. 168.100.100.0.HT (for long travels upon request)

Delivery time upon request. Further Information ► www.igus.co.uk/en/HT



Unsupported applications | Short travels

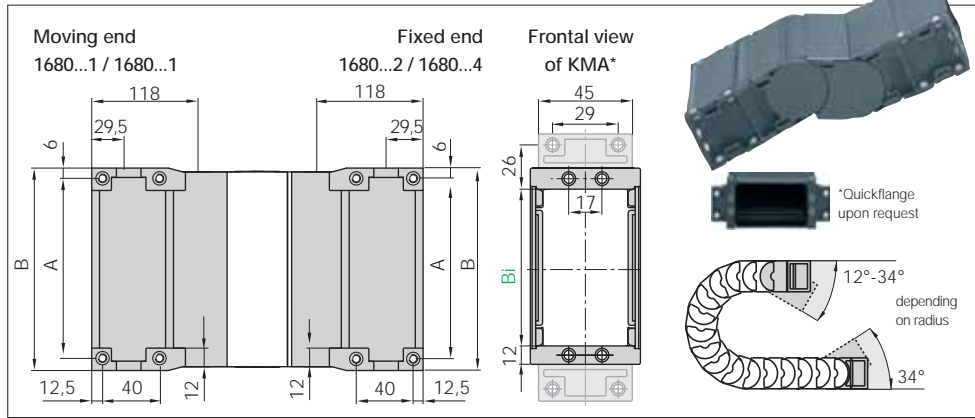


R	100	125	150	175	200	225	250	300
H	264	314	364	414	464	514	564	664
D	220	245	270	295	320	345	370	420
K	435	515	590	670	750	825	905	1065

The required clearance height: $H_F = H + 40$ mm (with 2,0 kg/m fill weight)

E2 e-tubes R100 | R167-R168 | Accessories

KMA mounting brackets, extended | Attachment on all sides | pivoting | locking



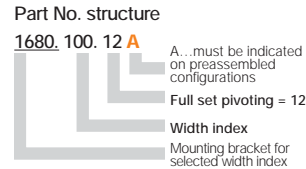
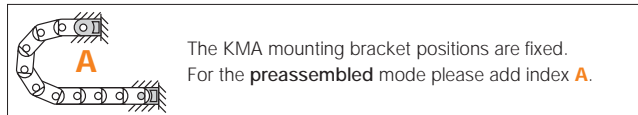
KMA, pivoting | Recommended for short travels | Standard
KMA, locking | Recommended for vertical hanging, standing applications

Width Index	Part No. full set KMA pivoting:	Part No. full set KMA locking:	Dim A [mm]	Dim B [mm]
.050.	1680.050.12	1680.050.14	62	74
.075.	1680.075.12	1680.075.14	87	99
.100.	1680.100.12	1680.100.14	112	124
.115.	1680.115.12	1680.115.14	127	139
.125.	1680.125.12	1680.125.14	137	149
.150.	1680.150.12	1680.150.14	162	174
.175.	1680.175.12	1680.175.14	187	199
.200.	1680.200.12	1680.200.14	212	224
.225.	1680.225.12	1680.225.14	237	249
.250.	1680.250.12	1680.250.14	262	274

Full set with assembled Quickflange, please add index QF ▶ e.g. 1680.250.12.QF. Quickflange unassembled: Part No. 16800.QF (KMA = Polymer Metal Mounting Bracket)

The following parts are required for attachment of the mounting brackets:

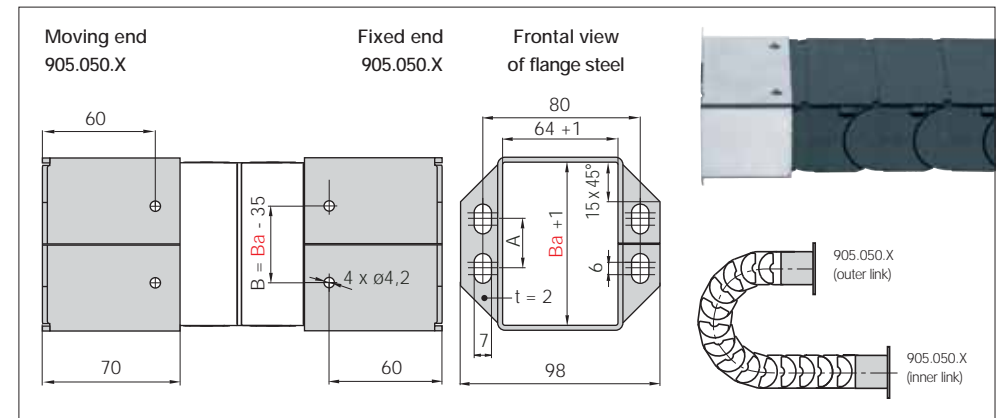
- Socket head cap bolt M5 DIN 912-8.8 Length depends on the thickness of the attachment base
- Washer 5,3 DIN 125-ST ● Hexagon nut M5 DIN 934-8



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 616

E2 e-tubes R100 | R167-R168 | Accessories

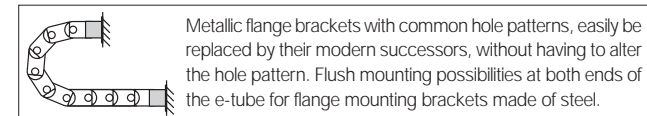
Mounting brackets, flange steel | locking



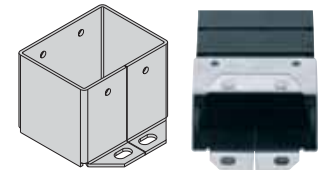
Flange steel, pivoting | Recommended for short travels

Width Index	Hole pattern	Part No. full set steel, flange	Bi [mm]	Ba [mm]	Dim A [mm]	Dim B [mm]
.075.	68.01	905.050.1	75	93	30	58
.115.	68.02	905.050.2	115	133	50	98
.175.	68.03	905.050.3	175	193	100	158

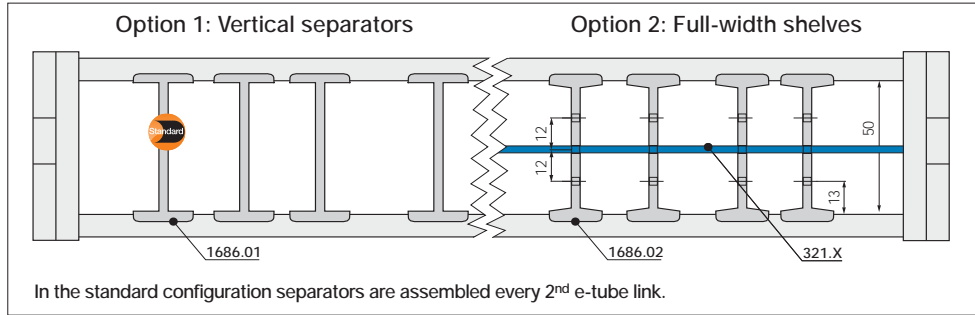
Mounting only with hexagon socket DIN 912 M6 and washer DIN 125, 6,3 mm



Flange steel mounting brackets for E2 e-tubes



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 616



Separator 1685.01
For a vertical subdivision.
Offers safe stability due to its wide base design, also when used with thick cables or hoses.

unassembled **1685.01**
assembled **1686.01**

Separator, slotted for e-tubes 1685.02
is used when vertical and horizontal separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.

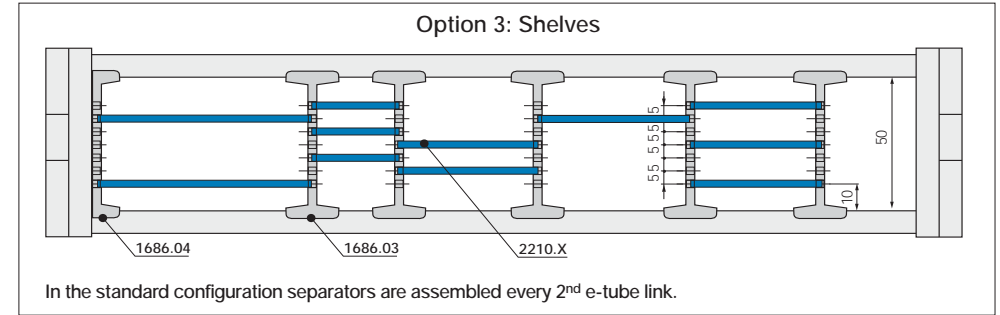
unassembled **1685.02**
assembled **1686.02**

Full-width shelf for e-tubes 320.X
This option makes sense in applications with many thin cables with similar diameters. Full-width shelves can be arranged at 3 different heights (in 12 mm increments).

unassembled **320.X**
assembled **321.X**

Full-width shelf

Width X (mm)	unassembled	assembled	Width X (mm)	unassembled	assembled	Width X (mm)	unassembled	assembled
050	320.050	321.050	125	320.125	321.125	225	320.225	321.225
075	320.075	321.075	150	320.150	321.150	250	320.250	321.250
100	320.100	321.100	175	320.175	321.175			
115	320.115	321.115	200	320.200	321.200			



Middle plate for e-tubes 1685.03
To achieve a modular shelving the shelf 2200.X can be arranged at 7 different heights (in 5 mm increments).

unassembled **1685.03**
assembled **1686.03**

Side plate for e-tubes 1685.04
Side plate for use with shelf 2200.X and middle plate 1685.03.

unassembled **1685.04**
assembled **1686.04**

Shelf for e-tubes 2200.X
For applications involving many cables with different diameters, shelves can be arranged at alternate heights. They can be arranged at 7 different heights (in 5 mm increments).

unassembled **2200.X**
assembled **2210.X**

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			

Separator with integrated strain relief

Strain relief separator Part No. 1685.01.Z can be integrated into the mounting bracket and can be placed there at any point of the e-chain®. It combines strain relief and interior separation, it can be installed on the first or last chain link and is easy to assemble without any screws. **Further Information ▶ from page 636**



Universal:
Attachment on all sides

Chip protection:
Smooth, chip-
repellent exterior

Quick assembly:
Removable lids
along outer radius

Long service life:
Large pins for
high stability

Quiet:
Small pitch for low-noise,
smooth operation

Long service life:
Double stop dog for
strong unsupported length


E2 Series R - chip protection - higher speeds and smooth running


E2 Series R - small pitch for higher speeds and smooth motion. igus® e-tubes work in hot chip areas, in areas of dirt and dust generated by woodworking, steelmills, pulp and paper, textile, agriculture, coal plant and many other hostile environments.


- Very good protection against chips (including hot chips)
- Robust and tight
- Space-efficient with optimized ratio of inner dimension to outer dimension
- Modular interior separation
- Universal KMA mounting brackets with attachment options on all sides

Typical industries and applications

- Tooling machines
- Woodworking machines
- All kind of industries and machines with chip, dirt and dust

 e-tubes with igumid HT-Material for hot chips up to 850°C available upon request

 Electrically conductive ESD/ATEX versions upon request

 UL94-V0 classification upon request

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 max. length [m]	Page
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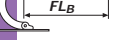


E2 e-tubes R -
Removable lids
along outer radius

R48	25	25 - 130	36 - 141	36	60 - 250	1,50	324
R58	35	50 - 200	66 - 216	50	75 - 250	2,30	330
R68	45	50 - 250	68 - 268	64	100 - 300	2,50	336



E2 e-tubes in chip-area of a tooling machine. Resistant against hot metal chips up to 850°C

Technical Data

	Gliding ¹⁾ speed / acceleration (maximum)	max. 3 [m/s] / max. 10 [m/s ²]
	Speed / acceleration FL_G max.	max. 10 [m/s] / max. 100 [m/s ²]
	Speed / acceleration FL_B max.	max. 3 [m/s] / max. 6 [m/s ²]
	Material - permitted temperature °C, igumid G / GLW	-40° up to +100° C
	Flammability class, igumid G / GLW	VDE 0304 IIC UL94-HB

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








1) For gliding applications, please consult igus*.

Installation methods overview, maximum travels


e-chain® / e-tube Series	Unsupported application	Gliding application ¹⁾	Vertical hanging	Vertical standing	Side mounted unsupported	Zig-zag application	Unsupp. length of lower run
R48	≤ 1,30 m	≤ 50 m	≤ 50 m	≤ 4,0 m	≤ 1,5 m	upon request	upon request
R58	≤ 2,30 m	≤ 75 m	≤ 50 m	≤ 4,0 m	≤ 2,0 m	upon request	upon request
R68	≤ 2,50 m	≤ 100 m	≤ 60 m	≤ 4,0 m	≤ 2,0 m	upon request	upon request

1) For gliding applications, please consult igus*.

Options with order keys based on Series R58


	Standard	NC-Version - (no camber) without pretension	No burning-in of hot chips up to 850°C (1562°F)	ESD / ATEX classified e-chains® II 2 GD
	Part No. Standard e-tubes 	Part No. NC-Version e-tubes 	Part No. igumid HT-Material only for e-tubes 	Part No. ESD-Material e-tubes 
	58.100.R.0	58.100.R.0.NC	58.100.R.0.HT	58.100.R.0.ESD
	Delivery from stock	Delivery time: upon request	Delivery time: upon request	Delivery time: upon request

Order example | Order key and color options based on Series R58


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

e-tube (1,0 m)	Please indicate e-tube length or number of links: 1,0 m or 56 links	58.100.100.0
+ Mounting brackets	KMA, pivoting - 1set	580.100.12
+ Interior separation	with 2 separators assembled every 2 nd link	2 x 582

Order text: 1,0 m 58.100.100.0 + 580.100.12 + 2 x 582

 Order key

e-tube removable lids along outer radius **58.100.100.0**

Series / Type	
Width index (depends on B)	
Bending radius R	
Color index (standard black)	

58.100.100.0 = e-tube snap-open on both sides of the outer radius, inner width **B**100 mm, radius **R**100 mm, color black

Delivery time for special colors: upon request

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!

E2 e-tubes R | Series R48 | Delivery program

Protection against dirt and debris, small pitch for smooth motion



Series R48 | Removable lids along outer radius

Removable lids along outer radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
48.025 .R.0	25	36	060 075 100 125 150 175 200 250	≈ 0,64
48.050 .R.0	50	61	060 075 100 125 150 175 200 250	≈ 0,84
48.075 .R.0	75	86	060 075 100 125 150 175 200 250	≈ 1,03
48.100 .R.0	100	111	060 075 100 125 150 175 200 250	≈ 1,23
48.130 .R.0	130	141	060 075 100 125 150 175 200 250	≈ 1,46

Supplement Part No. with required radius. Example: 48.100.100.0

Hot Chips up to 850°C

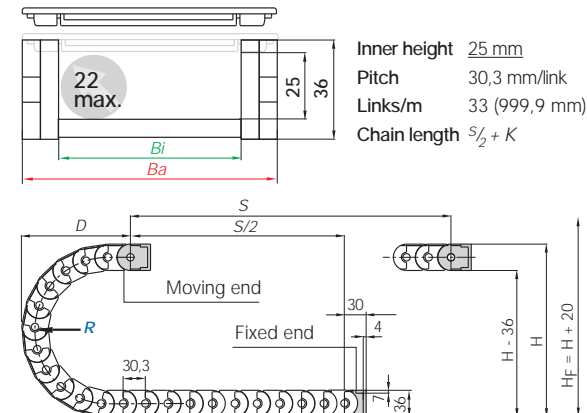
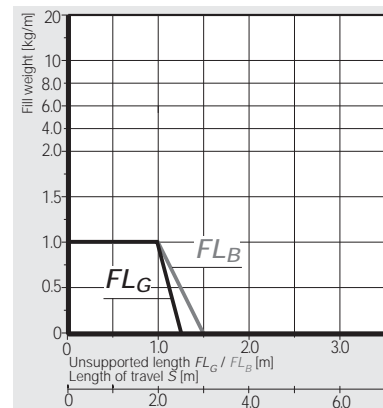
e-tubes that repel hot chips, up to 850 °C. Some applications, depending on amount and size of the chips, can burn or melt the surface. That is no longer the case with the igus® "igumid HT" material. Order example: Full e-tube made of igumid HT: Part No. 48.100.100.0.HT (for long travels upon request) Delivery time upon request. Further Information ► www.igus.co.uk/en/HT



E2 e-tubes R | Series R48 | Dimensions



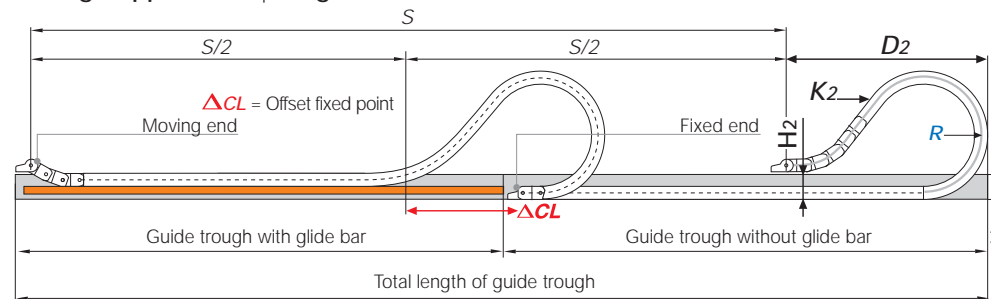
Unsupported applications | Short travels



R	060	075	100	125	150	175	200	250
H	156	186	236	286	336	386	436	536
D	123	138	163	188	213	238	263	313
K	250	300	375	455	535	615	690	850

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

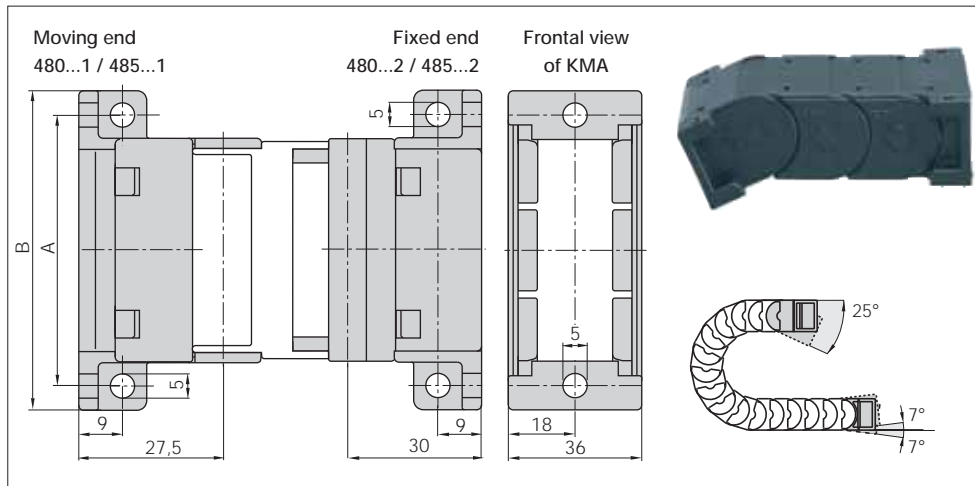
Gliding¹⁾ applications | Long travels from 5 m to max. 50 m



Note: For long travel applications with more than 100 m we recommend to realize the engineering of such a plant by our technicians. In case of travels between 2 and 5 m we recommend a longer unsupported length. Chain length $S/2 + K_2$
 1) For gliding applications, please consult igus®.

R	060	075	100	125	150	175	200	250
H ₂	156	186	176	176	176	176	176	*
D ₂	110	125	330	450	610	730	690	*
K ₂	250	300	545	758	970	1151	1182	*
ΔCL	*	*	170	270	380	470	*	*

*Values upon request



KMA pivoting | Standard | Recommended for unsupported applications
 KMA locking | Recommended for vertical hanging and standing applications

Width Index	Part No. full set KMA pivoting:	Part No. full set KMA locking:	Dim A [mm]	Dim B [mm]
.025	480.025.12	485.025.12	45	55
.050	480.050.12	485.050.12	70	80
.075	480.075.12	485.075.12	95	105
.100	480.100.12	485.100.12	120	130
.130	480.130.12	485.130.12	150	160

(KMA = Polymer Metal Mounting Bracket)

The following parts are required for attachment of the mounting brackets:

- Socket head cap bolt M5 DIN 912-8.8 Length depends on the thickness of the attachment base
- Hexagon nut M5 DIN 934-8 ● Washer 5,3 DIN 125-ST

A

The KMA mounting bracket positions are fixed. For the **preassembled** mode please add index **A**.

Part No. structure
480. 100. 12 A

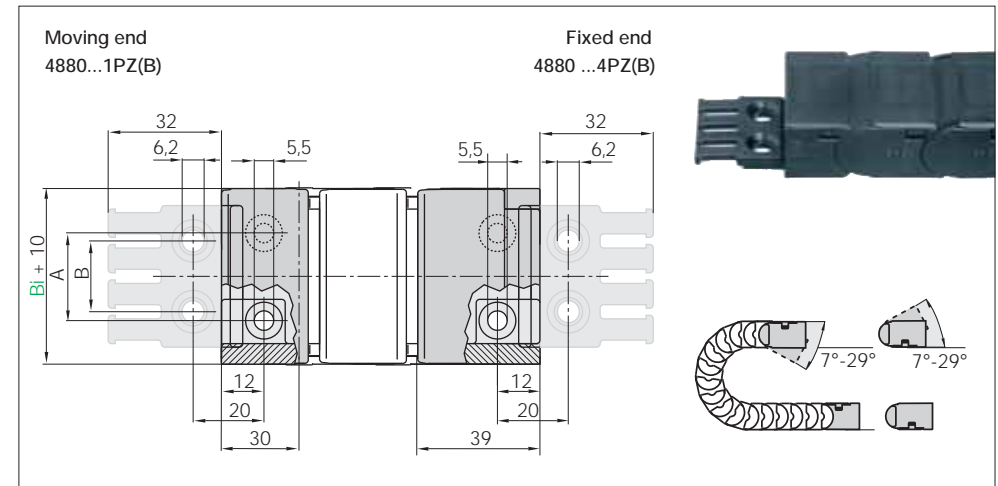
A... must be indicated on preassembled configurations

Full set with strain relief tiewrap plates

Width index

KMA pivoting

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 616



Angled polymer bracket | one side pivoting
 Recommended for short and long travels

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
.025	4800.025.12PZB	4800.025.12	12	15	3
.050	4800.050.12PZB	4800.050.12	37	30	5
.075	4800.075.12PZB	4800.075.12	62	60	8
.100	4800.100.12PZB	4800.100.12	87	80	10
.130	-	4800.130.12	117	-	-

The following parts are required for attachment of the mounting brackets:

- Countersunk bolt M5 DIN 912-8.8 Length depends on the thickness of the attachment base
- Hexagon nut M5 DIN 934-8

A1 A2 A3 A4

Possible installation conditions for assembled mounting brackets. For the **preassembled** mode please add index **A1... A4**.

Part No. structure
4800.100.12 PZBA1

A... must be indicated on preassembled configurations

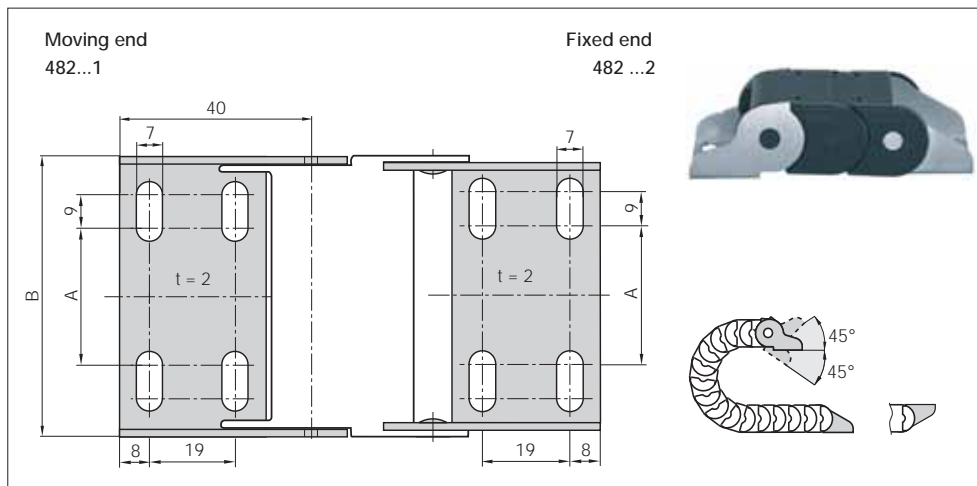
With strain relief tiewrap plates

Full set

Width index

Mounting bracket for selected width index

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 616



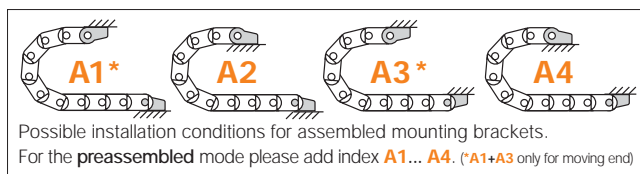
Steel pivoting | one side pivoting

Recommended for unsupported, vertical hanging, standing applications

Width Index	Part No. full set Steel on side pivoting:	Dim A [mm]	Dim B [mm]
.025. ▶	482.025 .12	-	35
.050. ▶	482.050 .12	22	60
.075. ▶	482.075 .12	47	85
.100. ▶	482.100 .12	72	110
.130. ▶	482.130 .12	102	140

The following parts are required for attachment of the mounting brackets:


- Socket head cap bolt M5 DIN 912-8.8 Length depends on the thickness of the attachment base
- Hexagon nut M5 DIN 934-8 ● Washer 5,3 DIN 125-ST

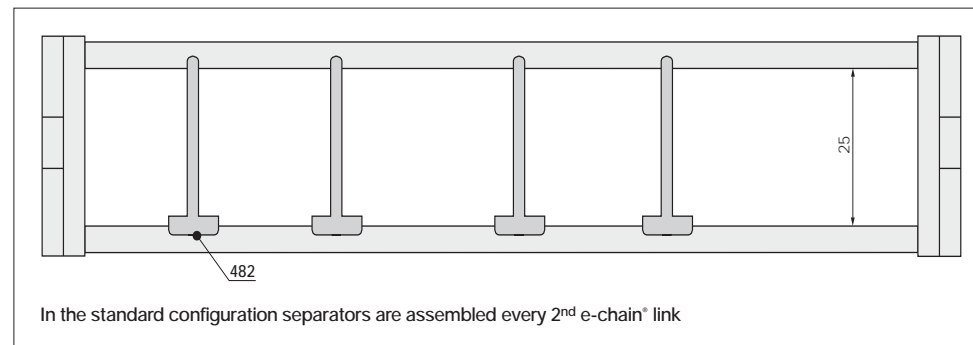
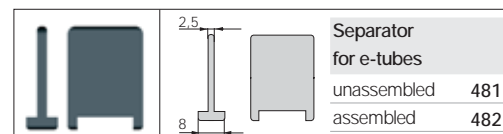


Part No. structure

482. 100. 12 A1



 **Strain relief** e.g. clamps, tiwrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 616

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

Separator 481

Vertical Separators are used if a vertical subdivision of the e-tube interior is required - By standard Vertical Separators are assembled every other e-tube link.

Separator with integrated strain relief

Strain relief separator Part No. 481.ZR can be integrated into the mounting bracket and can be placed there at any point of the e-chain*. It combines strain relief and interior separation, it can be installed on the first or last chain link and is easy to assemble without any screws. **Further Information ▶ from page 636**



Series R58 | Removable lids along outer radius

Removable lids along outer radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
58.050.R.0	50	66	075 100 125 150 200 250	≈ 1,50
58.075.R.0	75	91	075 100 125 150 200 250	≈ 1,77
58.100.R.0	100	116	075 100 125 150 200 250	≈ 2,04
58.125.R.0	125	141	075 100 125 150 200 250	≈ 2,31
58.150.R.0	150	166	075 100 125 150 200 250	≈ 2,61
58.175.R.0	175	191	075 100 125 150 200 250	≈ 2,88
58.200.R.0	200	216	075 100 125 150 200 250	≈ 3,15

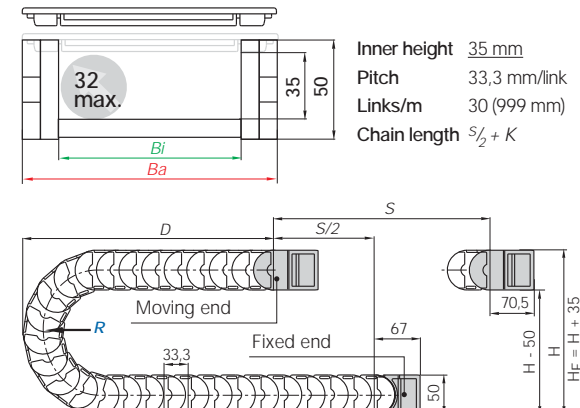
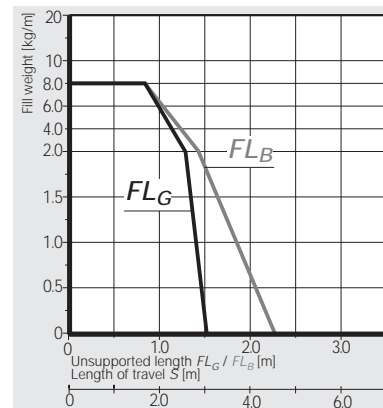
Supplement Part No. with required radius. Example: 58.100.100.0

Hot Chips up to 850°C

e-tubes that repel hot chips, up to 850 °C. Some applications, depending on amount and size of the chips, can burn or melt the surface. That is no longer the case with the igus® "igumid HT" material. Order example: Full e-tube made of igumid HT: Part No. 58.100.100.0.HT (for long travels upon request)
Delivery time upon request. Further Information ► www.igus.co.uk/en/HT



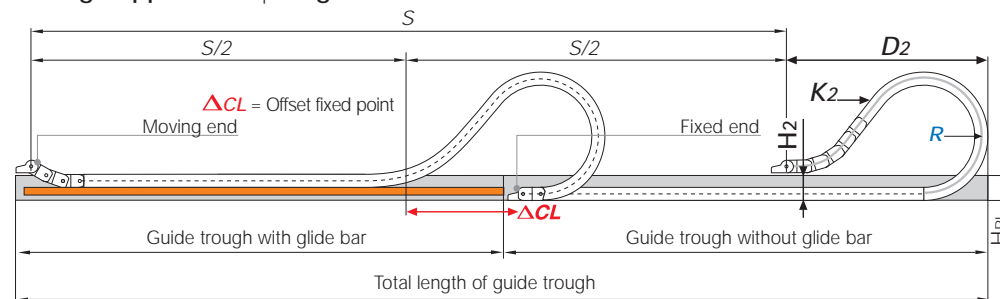
Unsupported applications | Short travels



R	075	100	125	150	200	250
H	200	250	300	350	450	550
D	150	175	200	225	275	325
K	305	385	460	540	695	855

The required clearance height: $H_F = H + 35 \text{ mm}$ (with 0,5 kg/m fill weight)

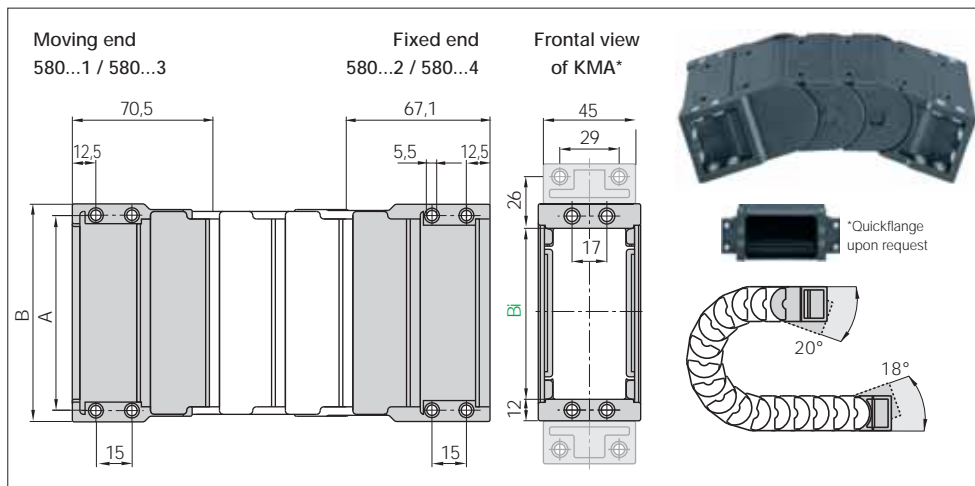
Gliding¹⁾ applications | Long travels from 5 m to max. 75 m



Note: For for long travel applications with more than 100 m we recommend to realize the engineering of such a plant by our technicians. In case of travels between 3 and 5 m we recommend a longer unsupported length. Chain length $S/2 + K_2$
1) For gliding applications, please consult igus®.

R	075	100	125	150	200	250
H ₂	200	216	216	216	216	216
D ₂	150	310	380	480	800	1050
K ₂	375	500	699	866	1265	1665
ΔCL	*	122	167	247	512	717

*Values upon request



KMA pivoting | Standard | Recommended for unsupported applications

KMA locking | Recommended for vertical hanging and standing applications

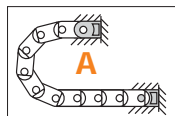
Width Index	Part No. full set KMA pivoting:	Part No. full set KMA locking:	Dim A [mm]	Dim B [mm]
.050.	580.050.12	580.050.34	62	74
.075.	580.075.12	580.075.34	87	99
.100.	580.100.12	580.100.34	112	124
.125.	580.125.12	580.125.34	137	149
.150.	580.150.12	580.150.34	162	174
.175.	580.175.12	580.175.34	187	199
.200.	580.200.12	580.200.34	212	224

Full set with assembled Quickflange, please add index QF ▶ e.g. 16800.12.QF. Quickflange unassembled: Part No. 16800.QF

(KMA = Polymer Metal Mounting Bracket)

The following parts are required for attachment of the mounting brackets:

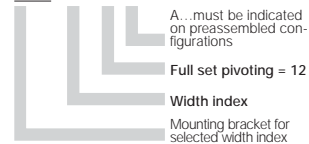
- Socket head cap bolt M5 DIN 912-8.8 Length depends on the thickness of the attachment base
- Hexagon nut M5 DIN 934-8 ● Washer 5,3 DIN 125-ST




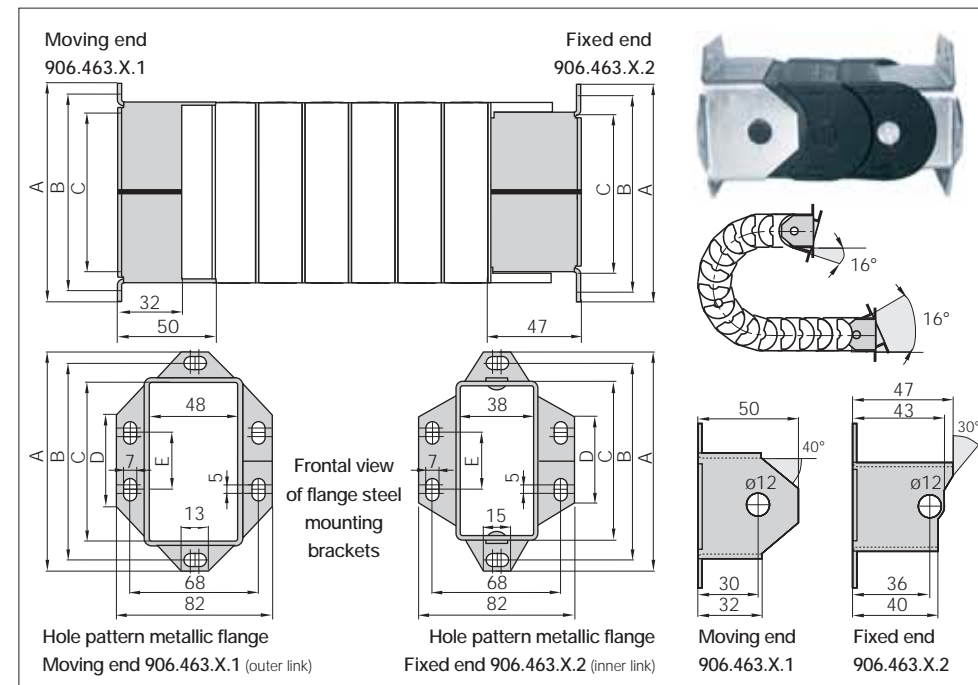
The KMA mounting bracket positions are fixed.
For the preassembled mode please add index **A**.

Part No. structure

580. 100. 12 **A**

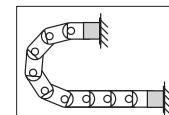


 **Strain relief** e.g. clamps, tie-wrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 616



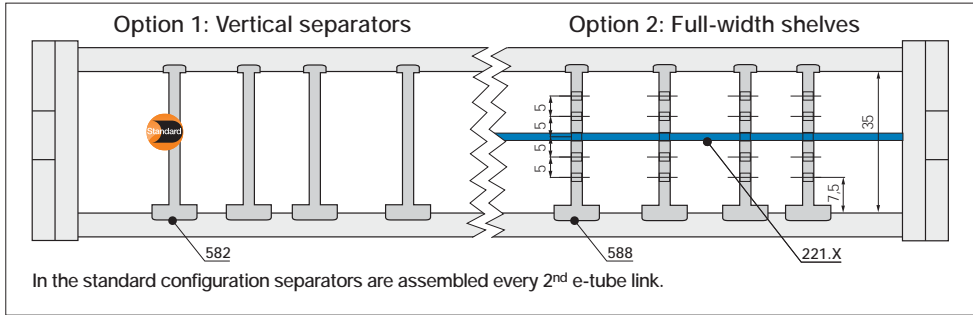
Flange steel, pivoting | Recommended for unsupported applications

Width Index	Hole pattern	Part No. Moving end	Bi [mm]	Dim A [mm]	Dim B [mm]	Dim C [mm]	Dim D [mm]	Dim E [mm]
.050.	58.05	906.463.05.1	50	90,5	78,5	58,3	24,5	20
.075.	58.1	906.463.1.1	75	116	104	83,3	50	30
Width Index	Hole pattern	Part No. Fixed end	Bi [mm]	Dim A [mm]	Dim B [mm]	Dim C [mm]	Dim D [mm]	Dim E [mm]
.050.	58.05	906.463.05.2	50	90,5	78,5	57,5	28	20
.075.	58.1	906.463.1.2	75	116	104	82,5	45	30



Metallic flange brackets with common hole patterns, easily be replaced by their modern successors, without having to alter the hole pattern. Flush mounting possibilities at both ends of the e-tube for flange mounting brackets made of steel.

 **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 616



Separator for e-tubes

unassembled	581
assembled	582

Separator 581

For a vertical subdivision. Offers safe stability due to its wide base design, also when used with thick cables or hoses.

Separator, slotted for e-tubes

unassembled	587
assembled	588

Slotted separator 587

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-tubes

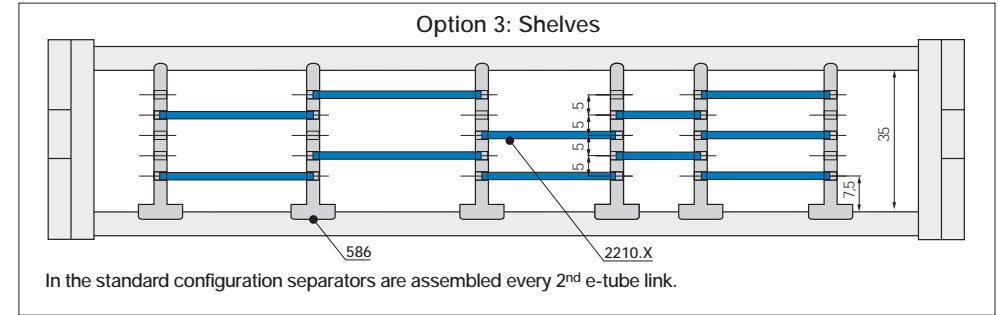
unassembled	220.X
assembled	221.X

Full-width shelf 220.X

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

Full-width shelf

Width X (mm)	unassembled	assembled	Width X (mm)	unassembled	assembled	Width X (mm)	unassembled	assembled
050	220.50	221.50	125	220.125	221.125	200	220.200	221.200
075	220.75	221.75	150	220.150	221.150			
100	220.100	221.100	175	220.175	221.175			



Middle plate for e-tubes

unassembled	585
assembled	586

Middle plate 585

To achieve a modular shelving the shelf 2200.X can be arranged at 5 different heights (in 5 mm increments).

Shelf for e-tubes

unassembled	2200.X
assembled	2210.X

Shelf 2200.X

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			



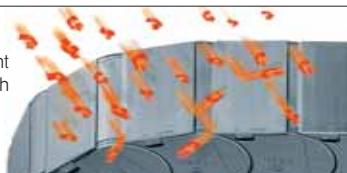
Series R68 | Removable lids along outer radius

Removable lids along outer radius	Bi [mm]	Ba [mm]	R Bending radii [mm]										Weight [kg/m]
68.050.R.0	50	68	100	125	150	175	200	225	250	300	≈ 1,90		
68.075.R.0	75	93	100	125	150	175	200	225	250	300	≈ 2,18		
68.100.R.0	100	118	100	125	150	175	200	225	250	300	≈ 2,46		
68.115.R.0	115	133	100	125	150	175	200	225	250	300	≈ 2,63		
68.125.R.0	125	143	100	125	150	175	200	225	250	300	≈ 2,77		
68.150.R.0	150	168	100	125	150	175	200	225	250	300	≈ 3,05		
68.175.R.0	175	193	100	125	150	175	200	225	250	300	≈ 3,36		
68.200.R.0	200	218	100	125	150	175	200	225	250	300	≈ 3,64		
68.225.R.0	225	243	100	125	150	175	200	225	250	300	≈ 3,92		
68.250.R.0	250	268	100	125	150	175	200	225	250	300	≈ 4,23		

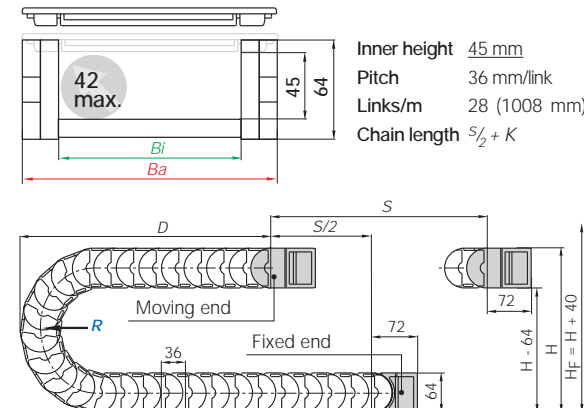
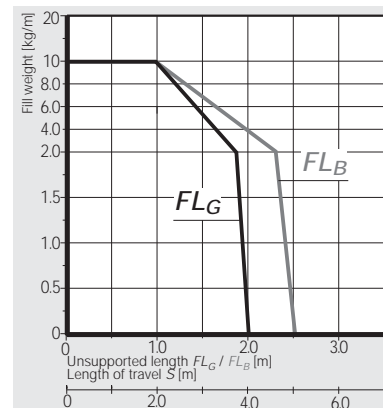
Supplement Part No. with required radius. Example: 68.100.100.0

Hot Chips up to 850°C

e-tubes that repel hot chips, up to 850 °C. Some applications, depending on amount and size of the chips, can burn or melt the surface. That is no longer the case with the igus® "igumid HT" material. Order example: Full e-tube made of igumid HT: Part No. 68.100.100.0.HT (for long travels upon request)
Delivery time upon request. Further Information ► www.igus.co.uk/en/HT



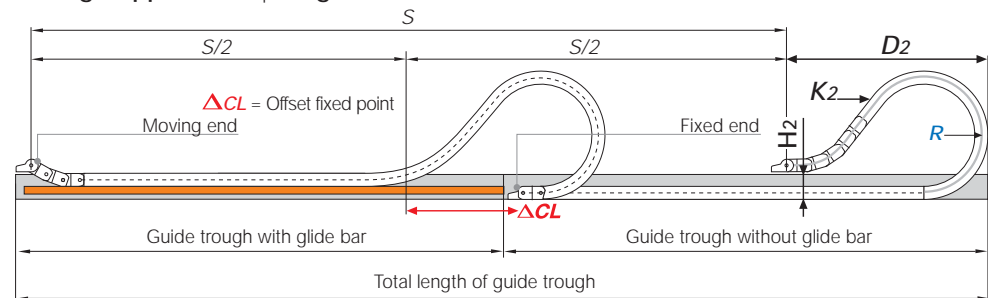
Unsupported applications | Short travels



R	100	125	150	175	200	225	250	300
H	264	314	364	414	464	514	564	664
D	186	211	236	261	286	311	336	386
K	390	465	545	625	705	780	860	1015

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

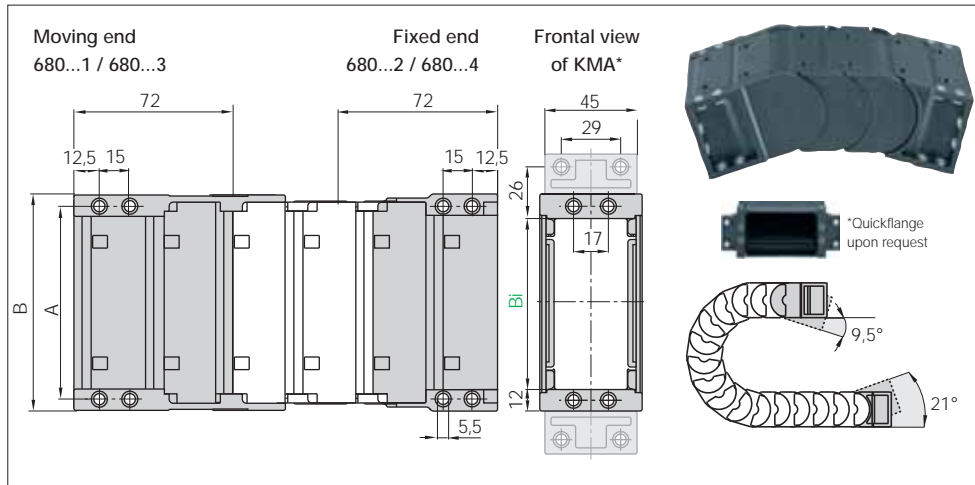
Gliding¹⁾ applications | Long travels from 6 m to max. 100 m



Note: For long travel applications with more than 100 m we recommend to realize the engineering of such a plant by our technicians. In case of travels between 4 and 6 m we recommend a longer unsupported length. Chain length $S/2 + K_2$
1) For gliding applications, please consult igus®.

R	100	125	150	175	200	225	250	300
H ₂	265	284	284	284	284	284	284	284
D ₂	200	370	440	540	650	700	850	1050
K ₂	500	648	792	900	1116	1269	1476	1800
ΔCL	*	164	204	294	364	439	514	664

*Values upon request



KMA pivoting | Standard | Recommended for unsupported applications

KMA locking | Recommended for vertical hanging and standing applications

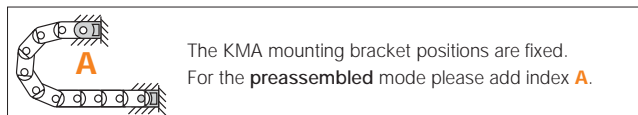
Width Index	Part No. full set KMA pivoting:	Part No. full set KMA locking:	Dim A [mm]	Dim B [mm]
.050.	680.050.12	680.050.34	62	74
.075.	680.075.12	680.075.34	87	99
.100.	680.100.12	680.100.34	112	124
.115.	680.115.12	680.115.34	127	139
.125.	680.125.12	680.125.34	137	149
.150.	680.150.12	680.150.34	162	174
.175.	680.175.12	680.175.34	187	199
.200.	680.200.12	680.200.34	212	224
.225.	680.225.12	680.225.34	237	249
.250.	680.250.12	680.250.34	262	274

Full set with assembled Quickflange, please add index QF ▶ e.g. 680.100.12.QF. Quickflange unassembled: Part No. 16800.QF

(KMA = Polymer Metal Mounting Bracket)

The following parts are required for attachment of the mounting brackets:

- Socket head cap bolt M5 DIN 912-8.8 Length depends on the thickness of the attachment base
- Hexagon nut M5 DIN 934-8 ● Washer 5,3 DIN 125-ST

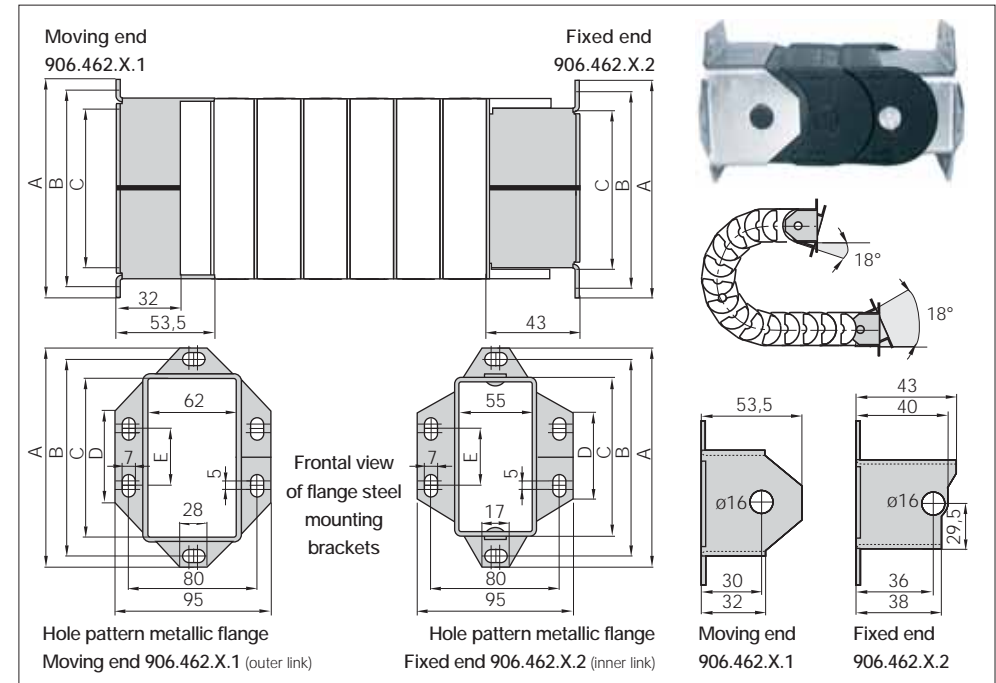


Part No. structure

680. 100. 12 **A**

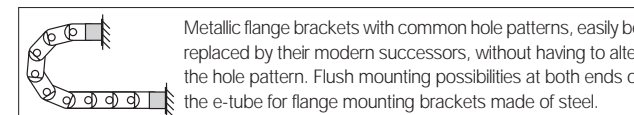


Strain relief e.g. clamps, tie-wrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 616

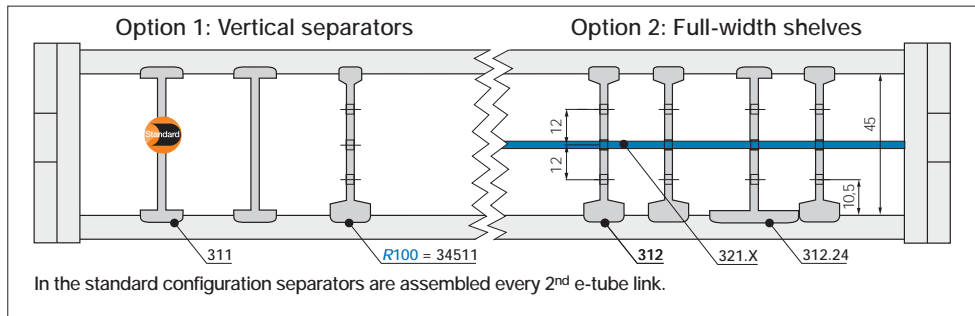


Flange steel, pivoting | Recommended for unsupported applications

Width Index	Hole pattern	Part No. Moving end	Bi [mm]	Dim A [mm]	Dim B [mm]	Dim C [mm]	Dim D [mm]	Dim E [mm]
.075.	68.1	906.462.1.1	75	116	104	83,3	50	30
.115.	68.2	906.462.2.1	115	156	144	123,3	90	50
.115.	68.3	906.462.3.1	175	216	204	183,3	150	100
Width Index	Hole pattern	Part No. Fixed end	Bi [mm]	Dim A [mm]	Dim B [mm]	Dim C [mm]	Dim D [mm]	Dim E [mm]
.075.	68.1	906.462.1.2	75	116	104	83,4	38	30
.115.	68.2	906.462.2.2	115	156	144	123,4	78	50
.115.	68.3	906.462.3.2	175	216	204	183,4	138	100



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 616



Separator for e-tubes

unassembled **301**
assembled **311**

Separator 301

For a vertical subdivision. Offers safe stability due to its wide base design, also when used with thick cables or hoses.

Separator for e-tubes (for radius R 100)

unassembled **34501**
assembled **34511**

Separator 34511

if you select bending radius **R 100** please use this Separator for a vertical subdivision.

Separator, slotted for e-tubes

unassembled **302**
assembled **312**

Slotted separator 302

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

Separator, slotted wide base* for e-tubes

unassembled **302.24**
assembled **312.24**

Slotted separator 302.24

If a wide space between the separators has to be kept or separators have to be fixed in their position. (*for side-mounted applications)

Full-width shelf for e-tubes

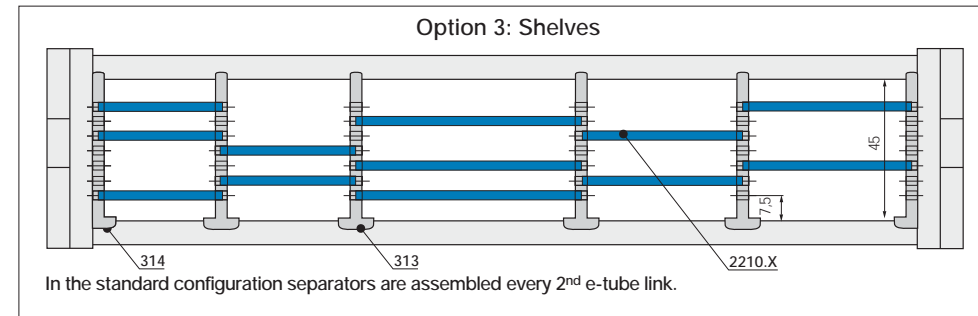
unassembled **320.X**
assembled **321.X**

Full-width shelf 320.X

This option makes sense in applications with many thin cables with similar diameters. Full-width shelves can be arranged at 3 different heights (in 12 mm increments).

Full-width shelf

Width X (mm)	unassembled	assembled	Width X (mm)	unassembled	assembled	Width X (mm)	unassembled	assembled
050	320.050	321.050	125	320.125	321.125	225	320.225	321.225
075	320.075	321.075	150	320.150	321.150	250	320.250	321.250
100	320.100	321.100	175	320.175	321.175			
115	320.115	321.115	200	320.200	321.200			



Side plate for e-tubes

unassembled **303**
assembled **313**

Side plate 303

Side plate for use with shelf 2200.X and middle plate 304.

Middle plate for e-tubes

unassembled **304**
assembled **314**

Middle plate 304

To achieve a modular shelving the shelf 2200.X can be arranged at 7 different heights (in 5 mm increments).

Shelf for e-tubes

unassembled **2200.X**
assembled **2210.X**

Shelf 2200.X

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			

RX System - Extremely chip repellent e-tubes

Problem solver for energy supply systems in areas with chips - available in 4 sizes

Chips and dirt can significantly reduce the service life of cables and hoses. With RX System igus® presents an extremely tough but smoothly shaped polymer e-tube that can easily be opened along the outer radius.

- Round contour prevents chip accumulation
- Injection-molded "sealing lip" all around
- No holes, cracks or undercuts
- IP40 tested (TÜV Saarland) - RX40
- Interior separation and support tray tool kit available
- Covered pin/bore connection and stop dogs
- "RBR"-Version with reverse bending radius available

Typical industries and applications

- Tooling machines
- All applications with direct chip appearance
- Applications with dirt and dust
- General machinery

Flush attachment:
Mounting bracket with strain relief option

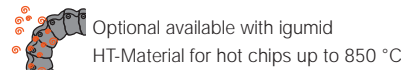
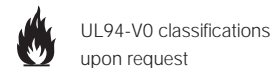
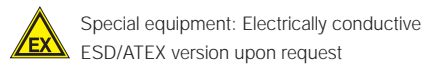
Smooth:
Without undercuts, projecting edges or gaps

Dirt repellent:
Round contour prevents chip accumulation

Keep order:
Interior separation available

Quick assembly:
Removable lids along outer radius with embedded locking mechanism

Safe:
Covered pin/bore connection and stop dogs



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 max. length [m]	Page
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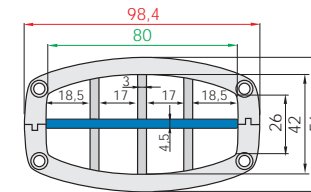


RX System - Extremely chip repellent e-tubes
Removable lids along outer radius

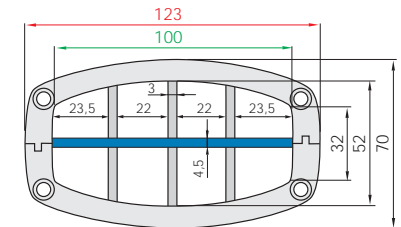
RX32 New *	26 / 42	80	98,4	56	80 - 150	1,7	346
RX40	32 / 52	100	123	70	100 - 300	1,8	350
RX48 New *	35 / 62	120	147,6	84	120 - 150	2,1	354
RX56 New *	41 / 73	140	172,2	98	140	2,3	358

* in this catalog

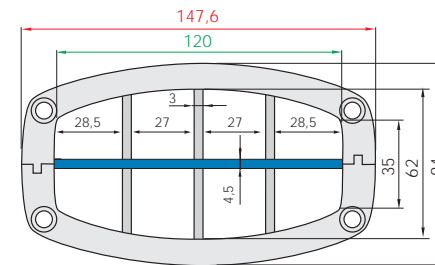
RX32 | **New** in this catalog



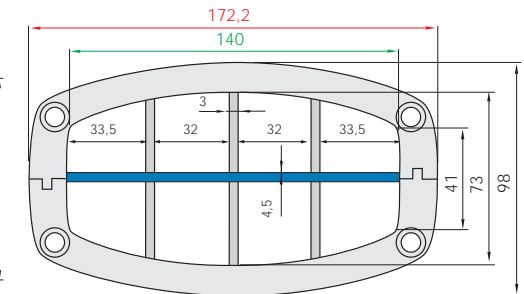
RX40



RX48 | **New** in this catalog



RX56 | **New** in this catalog



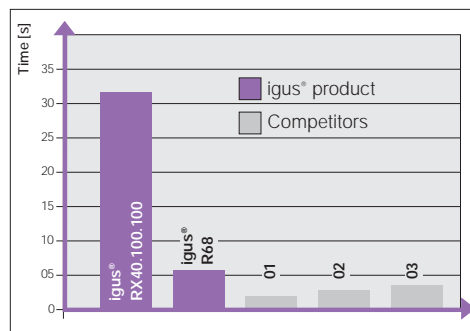
Technical Data

	Speed / acceleration FL_G max.	max. 10 [m/s] / max. 100 [m/s ²]
	Speed / acceleration FL_B max.	max. 3 [m/s] / max. 6 [m/s ²]
	Material - permitted temperature °C, igumid G / GLW	40° up to +100° C
	Flammability class, igumid G / GLW	VDE 0304 IIC UL94-HB

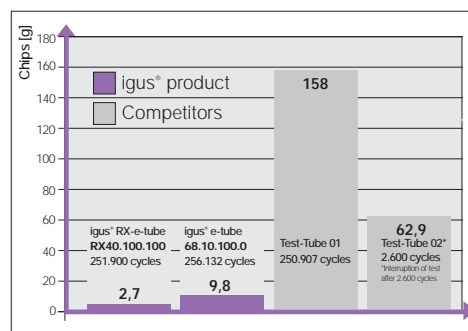
■ FL_G = with straight upper run ■ FL_B = with permitted sag

Installation methods overview, maximum travels

e-tube Series	Unsupported application	Vertical hanging	Vertical standing	Side mounted unsupported	Rotary application	Zig-zag application
RX32	≤ 1,20 m	upon request	upon request	upon request	–	upon request
RX40	≤ 1,50 m	upon request	upon request	upon request	–	upon request
RX48	≤ 1,80 m	upon request	upon request	upon request	–	upon request
RX56	≤ 2,00 m	upon request	upon request	upon request	–	upon request



Test: Drowning - Various tube styles were drowned under water. For the RX e-tube, it takes more than 30 sec. to fill up with water



Test: Chip intrusion - Various tube styles were charged with a defined quantity of chips. Only 2,7 g of chips were found inside the new RX e-tube after 251.900 cycles

Options with order keys based on Series RX40

Standard	Reverse bending radius for circular movements	No burning-in of hot chips up to 850°C (1562° F)	ATEX / ESD classified e-chains [®] - II 2 GD
Part No. Standard RX e-tubes	Part No. RBR RX e-tubes	Part No. igumid HT-Material RX e-tubes	Part No. ESD-Material RX e-tubes
RX40.100.R.0	RX40.100.R1/R2.0	RX40.100.R.0.HT	RX40.100.R.0.ESD
Delivery from stock	Delivery time: upon request	Delivery time: upon request	Delivery time: upon request

Order example | Order key and color options based on Series RX40

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

e-tube (1,0 m)	Please indicate e-tube length or number of links: 1,0 m or 25 links	RX40.100.100.0
+ Mounting brackets	1 set (+ tiwrap plates)	RX401.100.12ZB
+ Interior separation	with 1 separator (central positioning) assembled every 2 nd link	1 x RX40.1.1
+ Interior separation	with 2 separators (lateral positioning) assembled every 2 nd link	2 x RX40.2.1
Order text: 1,0 m RX40.100.100.0 + RX401.100.12 ZB + 1 x RX40.1.1 + 2 x RX40.2.1		

Order key

e-tube - removable lids along outer radius

Series / Type

Width index (depends on B)

Bending radius R

Color index (standard black)

RX40.100.100.0 = e-tube snap-open along outer radius, B100 mm inner width, R100 mm radius, color black

General igus[®] 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: upon request



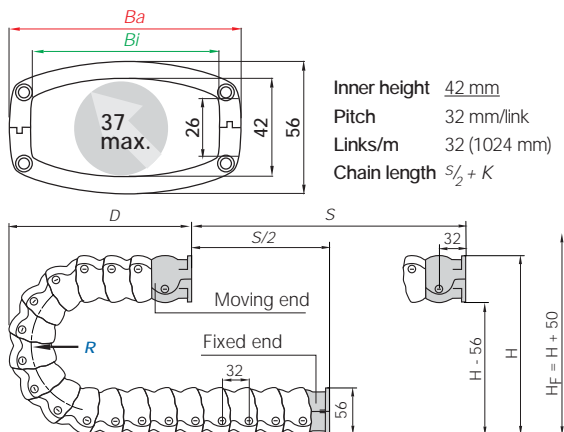
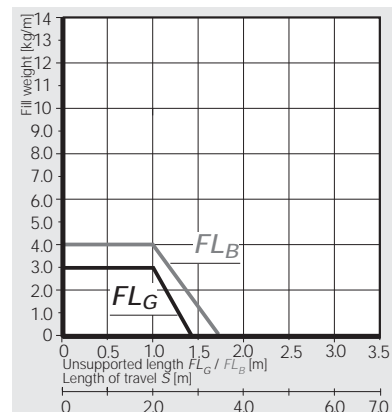
Series RX32 | Removable lids along outer radius

Removable lids along outer radius	Bi [mm]	Ba [mm]	R Bending radii [mm]	Weight [kg/m]
RX32.080.R.0	80	98,4	080 100* 125* 150 175* 200* 225* 250*	≈ 1,23

Radius available upon request, please consult igus for delivery time!

Supplement Part No. with required radius (R). Example: RX32.080.080.0

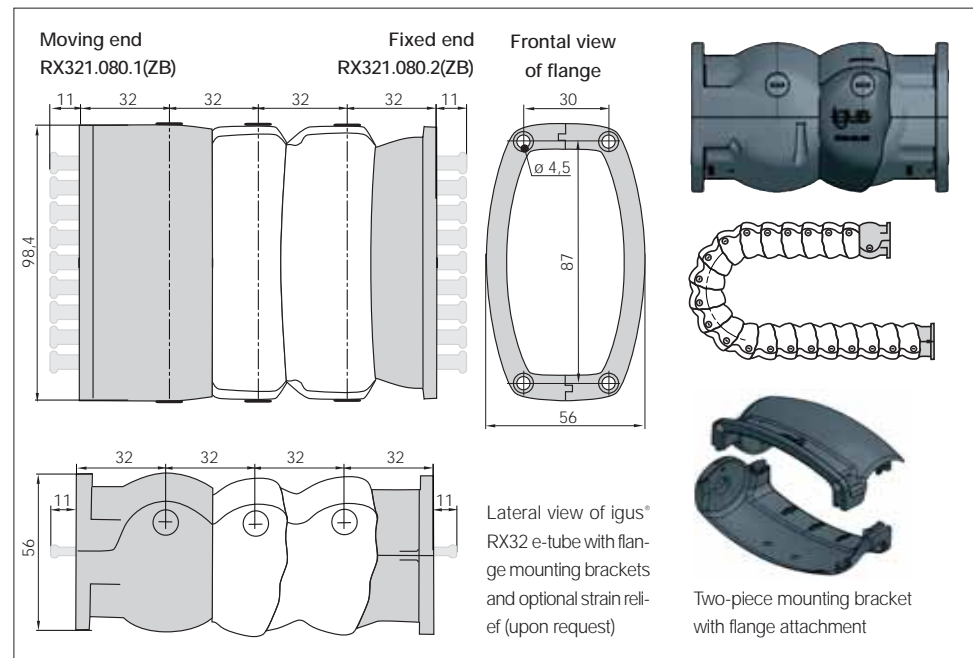
Dimensions



R	080	100*	125*	150	175*	200*	225*	250*
H	216	256	306	356	406	456	506	556
D	156	176	201	226	251	276	301	326
K	320	380	460	540	615	695	775	850

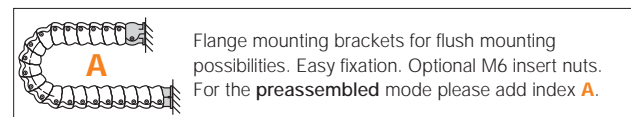
The required clearance height: $H_p = H + 50$ mm (with 0,5 kg/m fill weight)

Radius available upon request, please consult igus for delivery time!



Flange mounting brackets, locking

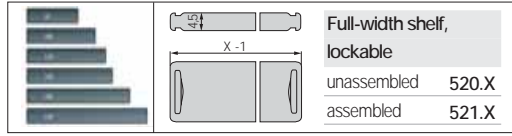
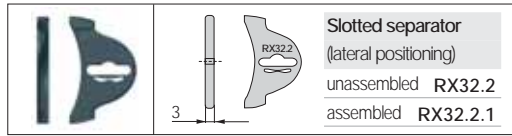
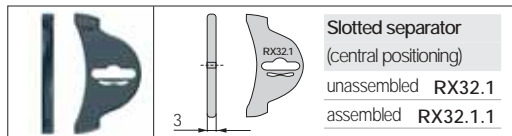
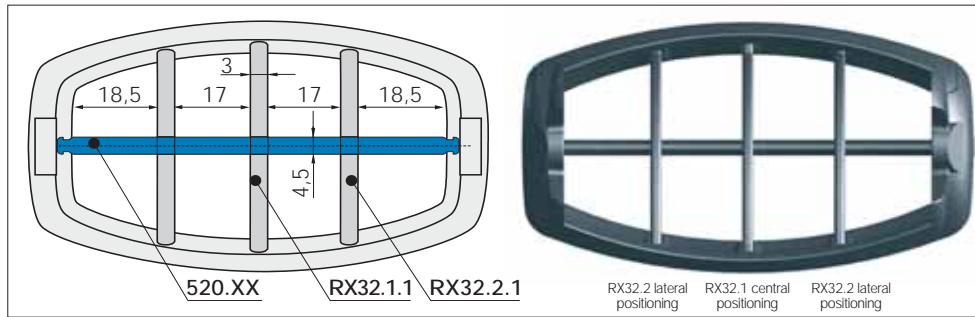
Width Index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	Number of teeth
.080. ►	RX321.080.12ZB	RX321.080.12	8



RX321.080.12ZB A	Part No. structure
—	A... must be indicated on preassembled configurations
—	With integrated strain relief tiewrap plates
—	Full set
—	Width Index
—	Mounting bracket for selected width index

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 616

Interior separation



Vertical separation - slotted separators:

RX32.1 (central positioning)

RX32.2 (lateral positioning)

Vertical separation of the large filling space by cable-friendly, polymer separators. Due to their slots, basic vertical/horizontal shelving arrangements are possible. In the standard configuration separators are assembled every 2nd e-chain* 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 used at one height.

Lockable full-width shelves

Width X (mm)	unassembled	assembled	Width X (mm)	unassembled	assembled
029	520.29	521.29	079	520.79	521.79
054	520.54	521.54	104	520.104	521.104



Hot Chips up to 850°C

RX e-tubes that repel hot chips, up to 850 °C. Some applications, depending on amount and size of the chips, can burn or melt the surface. That is no longer the case with the igus® "igumid HT" material. Order example: Part No. RX32.080.080.0.HT Delivery time upon request.

Further Information ► www.igus.co.uk/en/HT



Optional: Support tray tool kit.

For support of the lower run.

- Open trough design for safe guidance of the RX e-tube
- Chips can fall through ● In 2 lengths available

Further Information ► www.igus.co.uk/en/RX32

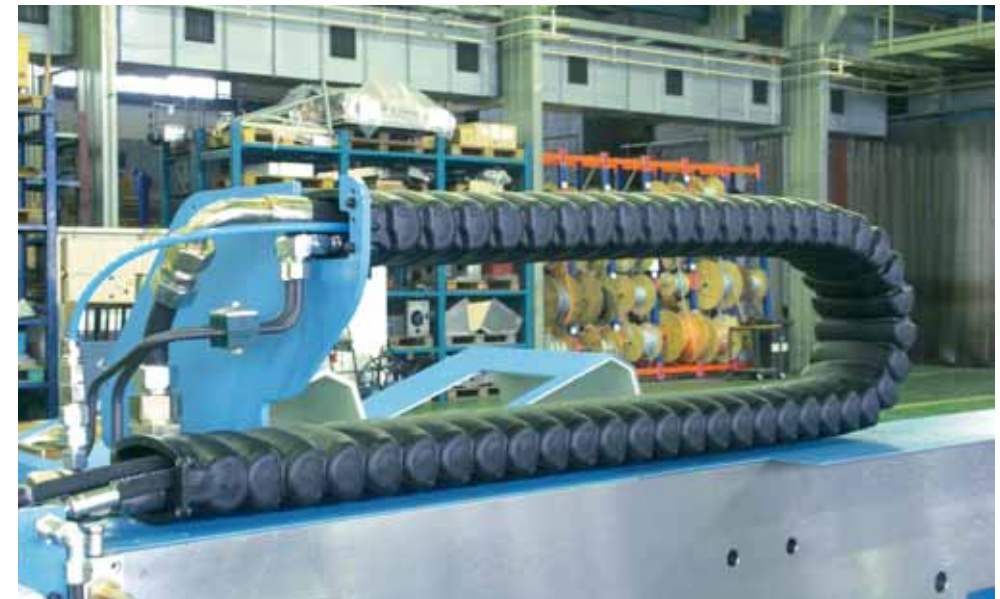


Polymer strain relief block.

For RX e-tubes flange mounting brackets.

- Tight strain relief block according to your specifications
- Fast assembly by standard screw connection
- Can be mounted in the mounting bracket

Further Information ► www.igus.co.uk/en/RX32



Supply of the main spindle in a tooling machine with igus® RX e-tube. The rounded contour of the energy supply repels all kind of chips



Extremely chip repellent- medium size

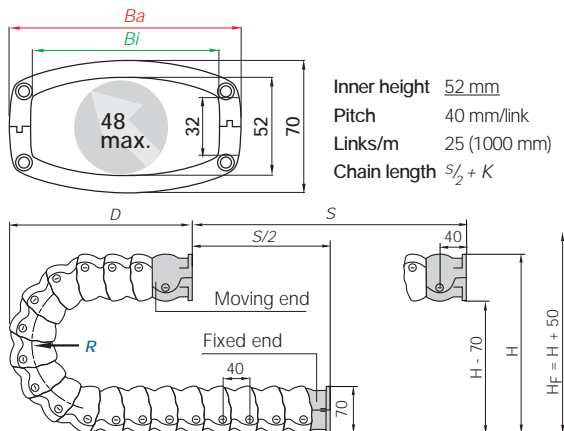
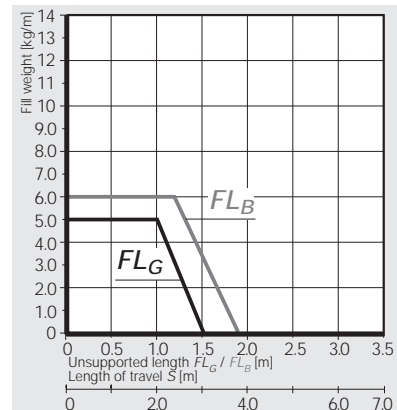


Series RX40 | Removable lids along outer radius

Removable lids along outer radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]								Weight [kg/m]	
RX40. 100. <i>R</i> .0	100	123	100	125	150	175	200	225	250	275	300	≈ 1,89

Supplement Part No. with required radius (*R*). Example: RX40.080.080.0

Dimensions



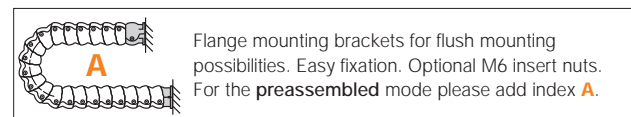
<i>R</i>	100	125	150	175	200	225	250	275	300
<i>H</i>	270	320	370	420	470	520	570	620	670
<i>D</i>	195	220	245	270	295	320	345	370	395
<i>K</i>	395	475	555	630	710	790	870	945	1025

The required clearance height: $H_p = H + 50$ mm (with 0,5 kg/m fill weight)

Mounting brackets, flange | Polymer locking, two-piece

Flange mounting brackets, locking

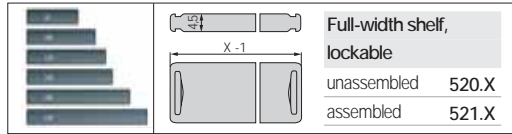
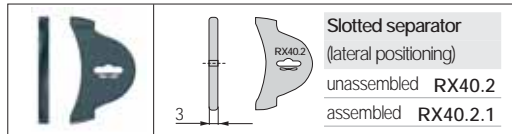
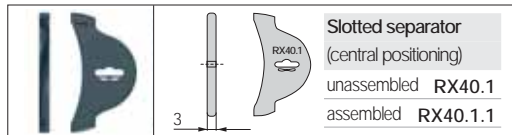
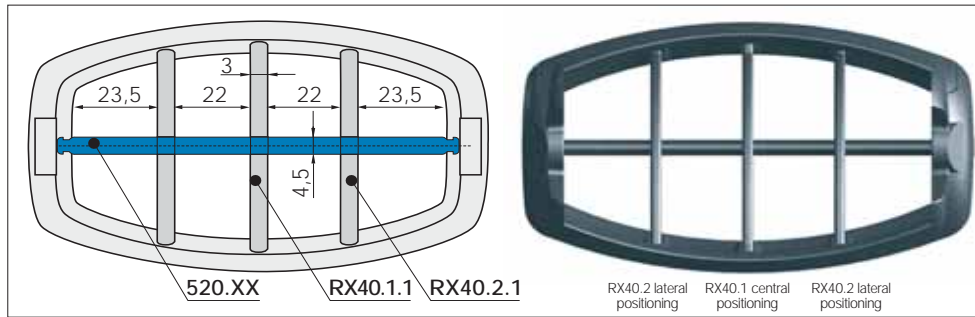
Width Index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	Number of teeth
.100. ►	RX401.100.12ZB	RX401.100.12	10



RX401.100.12ZB A Part No. structure
 A... must be indicated on preassembled configurations
 With integrated strain relief tiewrap plates
Full set
 Width Index
 Mounting bracket for selected width index

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 616

Interior separation



Vertical separation - slotted separators:
 RX40.1 (central positioning)
 RX40.2 (lateral positioning)

Vertical separation of the large filling space by cable-friendly, polymer separators. Due to their slots, basic vertical/horizontal shelving arrangements are possible. In the standard configuration separators are assembled every 2nd e-chain* 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 used at one height.

Lockable full-width shelves

Width X (mm)	unassembled	assembled	Width X (mm)	unassembled	assembled
029	520.29	521.29	079	520.79	521.79
054	520.54	521.54	104	520.104	521.104



Hot Chips up to 850°C

RX e-tubes that repel hot chips, up to 850 °C. Some applications, depending on amount and size of the chips, can burn or melt the surface. That is no longer the case with the igus® "igumid HT" material. Order example: Part No. RX40.100.100.0.HT Delivery time upon request.
 Further Information ► www.igus.co.uk/en/HT



Optional: Support tray tool kit.

For support of the lower run.

- Open trough design for safe guidance of the RX e-tube
 - Chips can fall through
 - In 2 lengths available
- Further Information ► www.igus.co.uk/en/RX40



Polymer strain relief block.

For RX e-tubes flange mounting brackets.

- Tight strain relief block according to your specifications
 - Fast assembly by standard screw connection
 - Can be mounted in the mounting bracket
- Further Information ► www.igus.co.uk/en/RX40



Chip tests at the igus® test-lab prove the excellent tightness of RX e-tube. Video online ► www.igus.co.uk/en/RX_tested



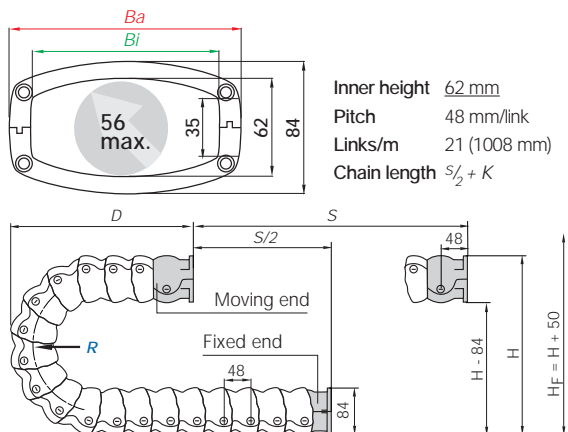
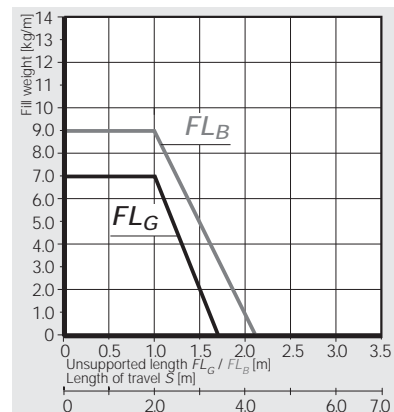
Series RX48 | Removable lids along outer radius

Removable lids along outer radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/m]
RX48.120.R.0	120	147,6	120 150 175* 200* 225* 250* 275* 300* 325*	≈ 2,76

Radius available upon request, please consult igus for delivery time!

Supplement Part No. with required radius (*R*). Example: RX48.120.120.0

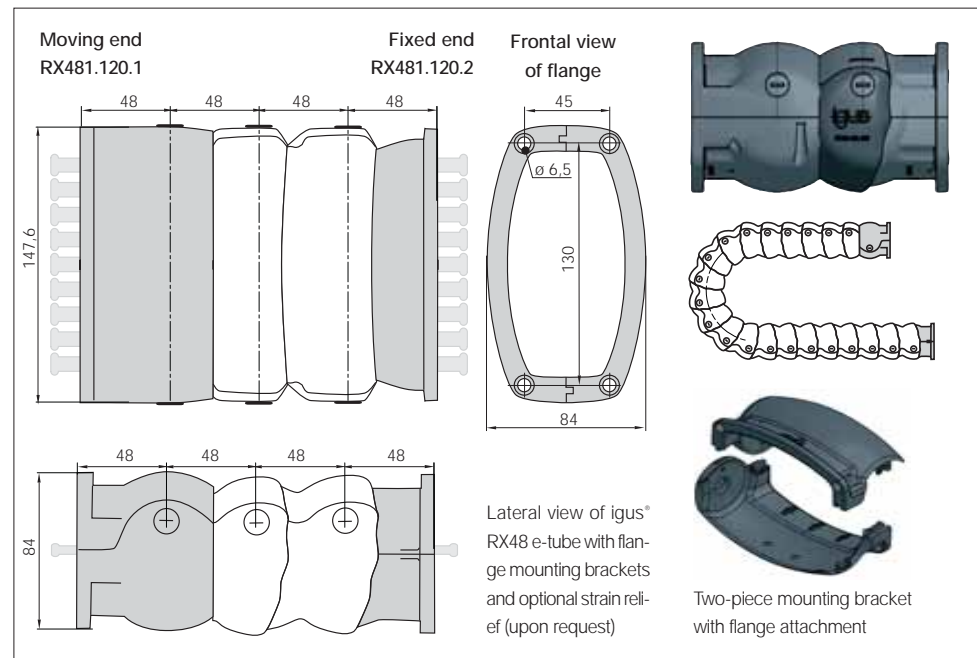
Dimensions



<i>R</i>	120	150	175*	200*	225*	250*	275*	300*	325*
<i>H</i>	324	384	434	484	534	584	634	684	734
<i>D</i>	234	264	289	314	339	364	389	414	439
<i>K</i>	475	570	650	725	805	885	960	1040	1120

The required clearance height: $H_p = H + 50$ mm (with 0,5 kg/m fill weight)

Radius available upon request, please consult igus for delivery time!

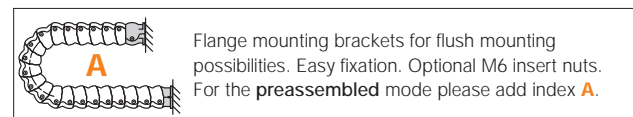


Lateral view of igus* RX48 e-tube with flange mounting brackets and optional strain relief (upon request)

Two-piece mounting bracket with flange attachment

Flange mounting brackets, locking

Width Index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	Number of teeth
.120. ►	upon request	RX481.120.12	upon request

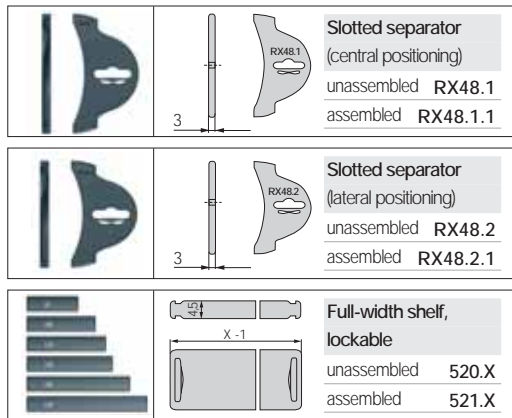
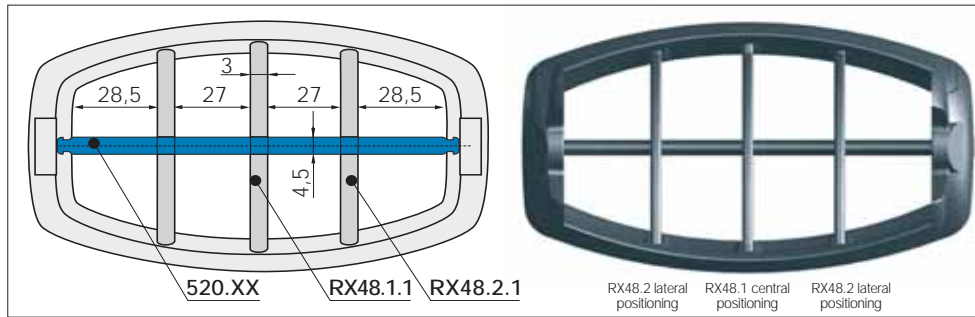


RX481.120.12 A Part No. structure



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 616

Interior separation



Vertical separation - slotted separators:
 RX48.1 (central positioning)
 RX48.2 (lateral positioning)

Vertical separation of the large filling space by cable-friendly, polymer separators. Due to their slots, basic vertical/horizontal shelving arrangements are possible. In the standard configuration separators are assembled every 2nd e-chain* 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 used at one height.

Lockable full-width shelves

Width X (mm)	unassembled	assembled	Width X (mm)	unassembled	assembled
034	520.34	521.34	094	520.94	521.94
064	520.64	521.64	124	520.124	521.124



Hot Chips up to 850°C

RX e-tubes that repel hot chips, up to 850 °C. Some applications, depending on amount and size of the chips, can burn or melt the surface. That is no longer the case with the igus® "igumid HT" material. Order example: Part No. RX48.120.120.0.HT Delivery time upon request.
 Further Information ► www.igus.co.uk/en/HT



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

- Open trough design for safe guidance of the RX e-tube
 - Chips can fall through ● In 2 lengths available
- Further Information ► www.igus.co.uk/en/RX48



Polymer strain relief block.

For RX e-tubes flange mounting brackets.

- Tight strain relief block according to your specifications
 - Fast assembly by standard screw connection
 - Can be mounted in the mounting bracket
- Further Information ► www.igus.co.uk/en/RX48



With the extreme tight igus® RX e-tube and the harnessed chainflex®-cables, the lifetime of this woodworking machine could be considerably increased. Because of dust and dirt, most after one month previously installed cables failed



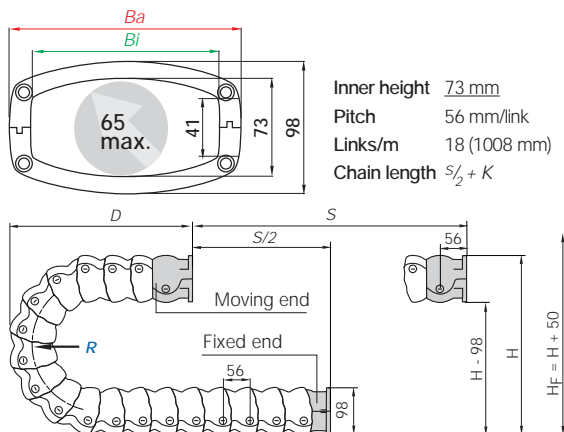
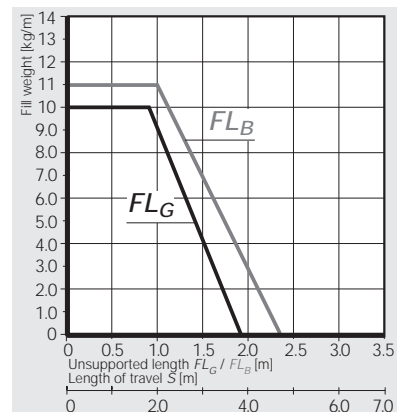
Series RX56 | Removable lids along outer radius

Removable lids along outer radius	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	Weight [kg/m]
RX56. 140 .R.0	140	172,2	140 175* 200* 225* 250* 275* 300* 325* 350*	~ 3,83

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

Supplement Part No. with required radius (*R*). Example: RX56.140.140.0

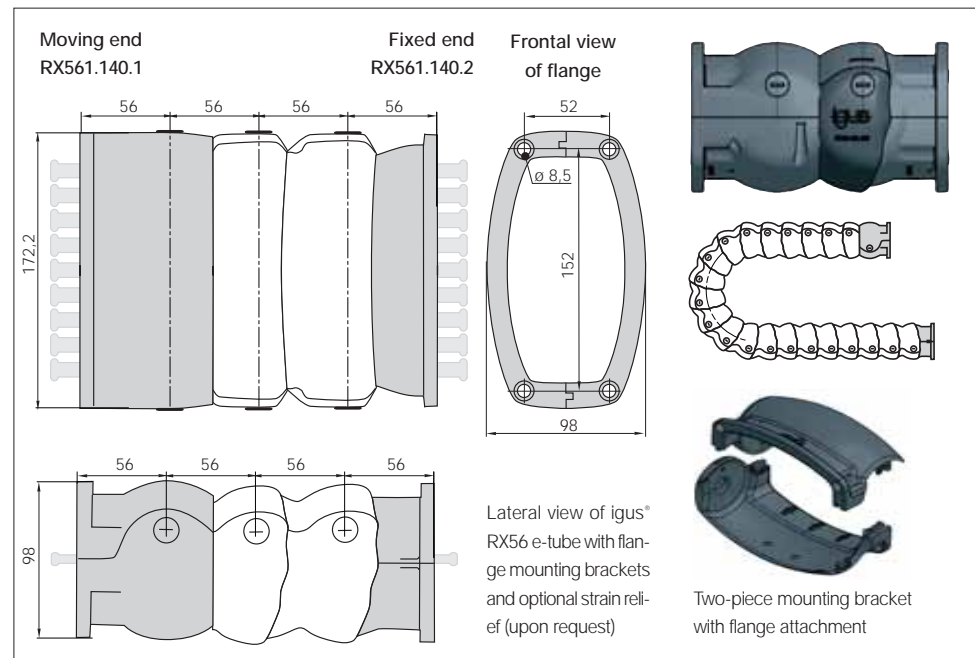
Dimensions



<i>R</i>	140	175*	200*	225*	250*	275*	300*	325*	350*
<i>H</i>	378	448	498	548	598	648	698	748	798
<i>D</i>	273	308	333	358	383	408	433	458	483
<i>K</i>	555	665	745	820	900	980	1055	1135	1215

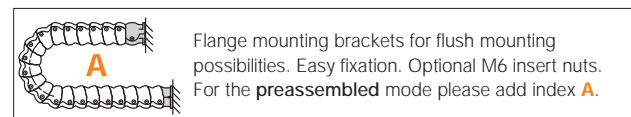
The required clearance height: $H_p = H + 50$ mm (with 0,5 kg/m fill weight)

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



Flange mounting brackets, locking

Width Index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	Number of teeth
.140. ▶	upon request	RX561.120.12	upon request

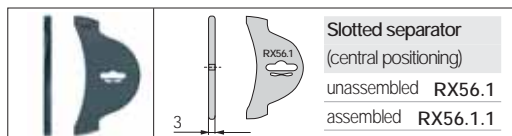
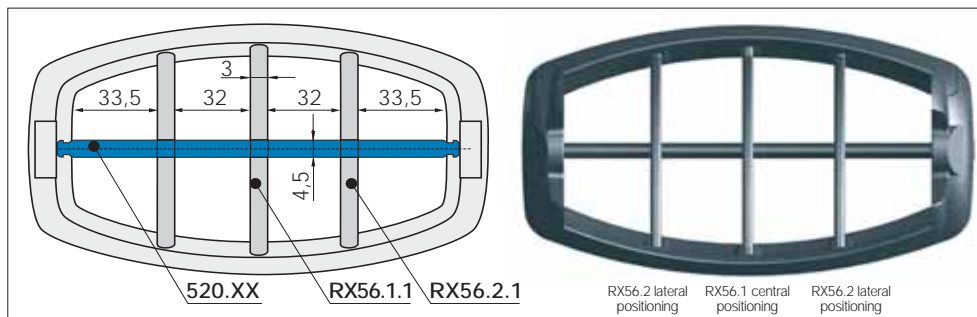


RX561.120.12 A Part No. structure



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 616

Interior separation

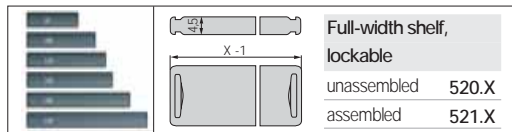
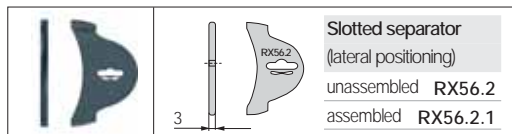


Vertical separation - slotted separators:

RX56.1 (central positioning)

RX56.2 (lateral positioning)

Vertical separation of the large filling space by cable-friendly, polymer separators. Due to their slots, basic vertical/horizontal shelving arrangements are possible. In the standard configuration separators are assembled every 2nd e-chain* 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 used at one height.

Lockable full-width shelves

Width X (mm)	unassembled	assembled	Width X (mm)	unassembled	assembled
039	520.39	521.39	109	520.109	521.109
074	520.74	521.74	144	520.144	521.144



Hot Chips up to 850°C

RX e-tubes that repel hot chips, up to 850 °C. Some applications, depending on amount and size of the chips, can burn or melt the surface. That is no longer the case with the igus® "igumid HT" material. Order example: Part No. RX56.140.140.0.HT Delivery time upon request.

Further Information ► www.igus.co.uk/en/HT



Optional: Support tray tool kit.

For support of the lower run.

- Open trough design for safe guidance of the RX e-tube
- Chips can fall through ● In 2 lengths available

Further Information ► www.igus.co.uk/en/RX56



Polymer strain relief block.

For RX e-tubes flange mounting brackets.

- Tight strain relief block according to your specifications
- Fast assembly by standard screw connection
- Can be mounted in the mounting bracket

Further Information ► www.igus.co.uk/en/RX56



Despite the restricted installation space, the RX e-tube is used in this compact turning machine with reverse bending radius (RBR)