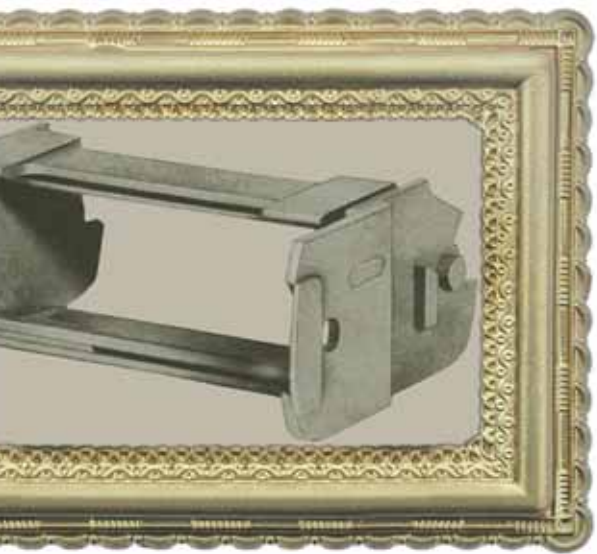


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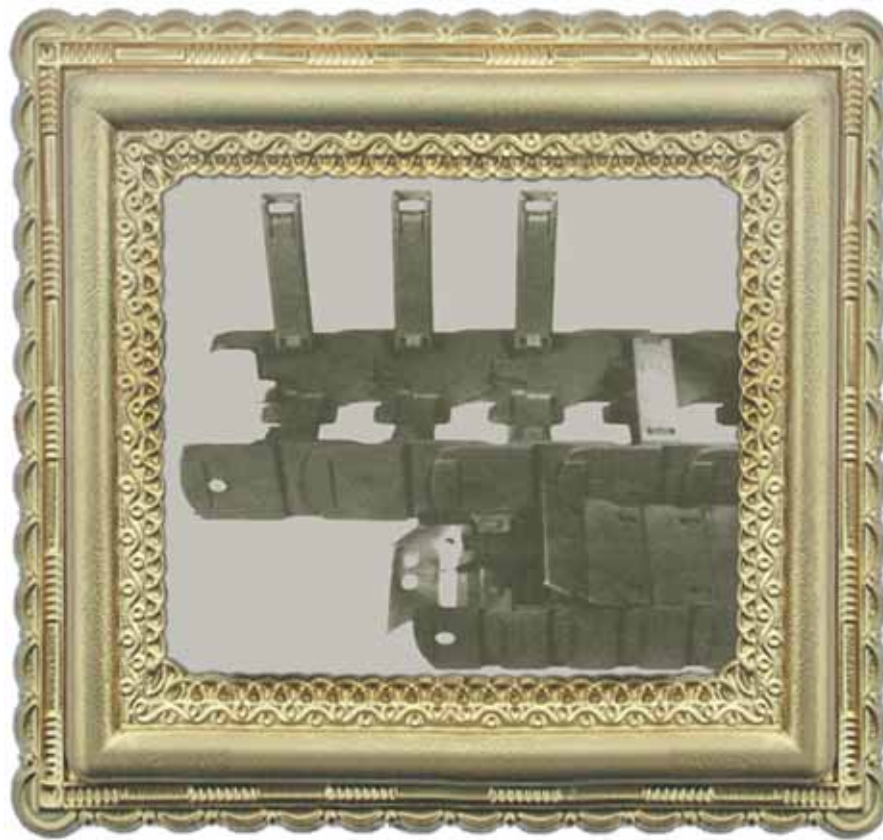
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Subject to technical alterations! - MAT0071458.20 , Issue 11/2008



classics
Complete program range/Older products are still available

Classic Series

Legend

- Standard
- Suitable to only a limited extent
- ▲ Options
- Especially suitable

Series	Inner height h _i [mm] ø cable max.	Inner width B _i [mm] from - to	Outer height h _a [mm]	Outer width B _a [mm] from - to	Bending radii R [mm] from - to	Pitch [mm]	Unsupported fill weight max [kg/m]	Unsupported length max [m]	Long travel max [m]	Opening principle	Interior separation possibilities...			ESD/ATEX	Clean-Room	UL-V2	Low noise	Price index	Page
											Separators	Full-width shelves	Shelves						

Zipper Classic E-Chains® - lightning-fast opening and closing

Zipper, zip-open along the **outer radius**



15 Classic	17	ø 15	15 - 50	24	26 - 61	38 - 180	30,5	1,5	1,2	-		●	-	-	-	-	-	-	●●●	8
------------	----	------	---------	----	---------	----------	------	-----	-----	---	--	---	---	---	---	---	---	---	-----	---

E2 mini Classic - one/two-piece E-Chains® - small and medium sizes

E2 mini, non snap-open



10 Classic	18	ø 16	15 - 50	23	26 - 61	28 - 180	30,5	1,5	1,2	-		●	-	-	▲	●	▲	●	●●●	10
------------	----	------	---------	----	---------	----------	------	-----	-----	---	--	---	---	---	---	---	---	---	-----	----

E2 mini, snap-open along **outer radius**



B15 Classic	17	ø 14	15 - 50	24	26 - 61	38 - 180	30,5	1,5	1,2	-		●	-	-	▲	●	▲	●	●●●	12
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E2 medium Classic - for new constructions please use E2/000

E2 medium, closed design



200 Classic	25	ø 23	25 - 125	35	41 - 141	55 - 250	46	4,0	2,0	100		●	●	●	-	-	-	-	●●●	14
26 Classic	35	ø 32	50 - 200	50	66 - 219	63 - 250	56	8,0	2,2	120		●	●	●	-	-	-	-	●●●	18
20 Classic	25	ø 23	11 - 103	34	27 - 118	55 - 250	46	4,0	2,0	-		●	●	▲	-	-	-	-	●●●	28
30 Classic	45	ø 42	75 - 175	64	93 - 195	75 - 300	67	10,0	2,5	-		●	●	▲	-	-	-	-	●●●	30

E2 medium, snap-open along **inner radius**



240 Classic	25	ø 23	25 - 125	35	41 - 141	55 - 250	46	4,0	2,0	100		●	●	●	-	-	-	-	●●●	14
27i Classic	35	ø 32	50 - 200	50	66 - 219	63 - 250	56	8,0	2,2	120		●	●	●	-	-	-	-	●●●	18
340 Classic	45	ø 42	50 - 250	64	70 - 270	75 - 300	67	10,0	2,5	150		●	●	●	-	-	-	-	●●●	22
36 Classic	45	ø 42	75 - 175	64	93 - 195	75 - 300	67	10,0	2,5	-		●	●	▲	-	-	-	-	●●●	30

E2 medium, snap-open along **outer radius**



250 Classic	25	ø 23	25 - 125	35	41 - 141	55 - 250	46	4,0	2,0	100		●	●	●	-	-	-	-	●●●	14
27 Classic	35	ø 32	50 - 200	50	66 - 219	63 - 250	56	8,0	2,2	120		●	●	●	-	-	-	-	●●●	18
350 Classic	45	ø 42	50 - 250	64	70 - 270	75 - 300	67	10,0	2,5	150		●	●	●	-	-	-	-	●●●	22
25 Classic	25	ø 23	38 - 103	34	53 - 118	55 - 250	46	4,0	2,0	-		●	●	▲	-	-	-	-	●●●	28
35 Classic	45	ø 42	75 - 175	64	93 - 195	75 - 300	67	10,0	2,5	-		●	●	▲	-	-	-	-	●●●	30

E2 R Classic - two-piece E-Tubes - small pitch

E2 R Classic, snap-open along **outer radius**



R58 Classic	35	ø 32	50 - 75	50	66 - 92	75 - 250	33,3	8,0	2,3	-		●	●	●	-	-	-	-	●●●	32
R68 Classic	45	ø 42	75 - 175	64	93 - 196	100 - 300	36	10,0	2,50	-		●	●	●	-	-	-	-	●●●	36

Classic Series

Technical details

Legend

- Standard
- Suitable to only a limited extent
- ▲ Options
- Especially suitable

Series	Inner height h _i [mm] ø cable max.	Inner width B _i [mm] from - to	Outer height h _a [mm]	Outer width B _a [mm] from - to	Bending radii R [mm] from - to	Pitch [mm]	Unsupported fill weight max [kg/m]	Unsupported length max [m]	Long travel max [m]	Opening principle	Interior separation possibilities...			ESD/ATEX	Clean-Room	UL-V2	Low noise	Price index	Page
											Separators	Full-width shelves	Shelves						

E4/light Classic - for new applications please use E4/light

E4/light, with crossbars every link



140 Classic	56	ø 50	50 - 600	84	76 - 626	135 - 500	91	40,0	4,0	150	To open from both sides	●	-	●	-	-	-	-	●●●	40	
142 Classic	62	ø 56	50 - 400	84	76 - 426	135 - 500	91	40,0	4,0	150		●	-	●	-	-	-	-	-	●●●	44
150 Classic	80	ø 74	50 - 600	108	80 - 630	150 - 500	91	50,0	4,5	250		●	-	●	-	-	-	-	-	●●●	48

E4/light, with crossbars every other link



141 Classic	56	ø 50	50 - 600	84	76 - 626	135 - 500	91	40,0	4,0	150	To open from both sides	●	-	●	-	-	-	-	●●●	40	
143 Classic	62	ø 56	50 - 400	84	76 - 426	135 - 500	91	40,0	4,0	150		●	-	●	-	-	-	-	-	●●●	44
151 Classic	80	ø 74	50 - 600	108	80 - 630	150 - 500	91	50,0	4,5	250		●	-	●	-	-	-	-	-	●●●	48

E4/light E-Tube - fully enclosed



R188 Classic	56	ø 50	75 - 462	84	101 - 489	150 - 500	91	40,0	4,0	150	Lids can be hinge-opened	●	-	●	-	-	-	-	●●●	40
R198 Classic	80	ø 74	75 - 462	108	105 - 493	200 - 500	91	50,0	4,5	250		●	-	●	-	-	-	-	-	●●●

E4/0 Classic - for new constructions please use E4.1

E4/0, with crossbars every link



22 Classic	28	ø 25	40 - 300	42	60 - 320	55 - 250	46	8,0	2,1	150	To open from both sides	●	●	●	-	-	-	-	●●●	52	
28 Classic	32	ø 28	50 - 400	54	73 - 423	63 - 300	56	10,0	2,5	200		●	-	●	-	-	-	-	-	●●●	56
38 Classic	42	ø 38	50 - 400	64	77 - 427	75 - 350	67	30,0	3,25	280		●	-	●	-	-	-	-	-	●●●	60
40 Classic	56	ø 50	50 - 600	84	86 - 636	135 - 500	91	50,0	4,5	350		●	-	●	-	-	-	-	-	●●●	64
50 Classic	80	ø 74	50 - 600	108	100 - 650	150 - 1000	91	60,0	6,0	300		●	-	●	-	-	-	-	-	●●●	68

E4/0, with crossbars every other link



23 Classic	28	ø 25	40 - 300	42	60 - 320	55 - 250	46	8,0	2,1	150	To open from both sides	●	●	●	-	-	-	-	●●●	52	
29 Classic	32	ø 28	50 - 400	54	73 - 423	63 - 300	56	10,0	2,5	200		●	-	●	-	-	-	-	-	●●●	56
39 Classic	42	ø 38	50 - 400	64	77 - 427	75 - 350	67	30,0	3,25	280		●	-	●	-	-	-	-	-	●●●	60
41 Classic	56	ø 50	50 - 600	84	86 - 636	135 - 500	91	50,0	4,5	350		●	-	●	-	-	-	-	-	●●●	64
51 Classic	80	ø 74	50 - 600	108	100 - 650	150 - 1000	91	60,0	6,0	300		●	-	●	-	-	-	-	-	●●●	68

E4/0 E-Tube - fully enclosed



R76 Classic	28	ø 25	50 - 300	42	70 - 320	75 - 250	46	8,0	2,1	150	To open from both sides	●	●	●	-	-	-	-	●●●	52	
R77 Classic	32	ø 28	50 - 300	54	73 - 323	125 - 300	56	10,0	2,5	200		●	-	●	-	-	-	-	-	●●●	56
R78 Classic	42	ø 38	50 - 300	64	77 - 327	125 - 350	67	30,0	3,25	280		●	-	●	-	-	-	-	-	●●●	60
R88 Classic	56	ø 50	75 - 462	84	111 - 499	150 - 500	91	50,0	4,5	350		●	-	●	-	-	-	-	-	●●●	64
R98 Classic	80	ø 74	75 - 462	108	125 - 513	200 - 1000	91	60,0	6,0	300		●	-	●	-	-	-	-	-	●●●	68

Line Extensions and special solutions

Versions with increased inner height - based on Series 380 / 3838 / 38, with crossbars every link



38022 E4/00	52	ø 48	50 - 400	64	76 - 426	75 - 350	67	30,0	3,8	300	To open from both sides	●	-	●	▲	○	-	■	●●●	72
383822 E4/4	52	ø 48	50 - 400	64	77 - 427	75 - 350	67	30,0	3,8	280		●	-	●	▲	○	-	●	●●●	74
3822 E4/0	52	ø 48	50 - 400	64	77 - 427	75 - 350	67	30,0	3,25	280		●	-	●	-	-	-	-	-	●●●

Series E-Band



E-Band	25,5	ø 22	25	36	36	45 - 200	25	1,5	1,5	-	To fill from outer radius	-	-	-	▲	●	-	●	●●●	80
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Older products are still available!

For new designs, we recommend using the newer and more advanced E-Chain® Series. The complete product range, incl. all mounting variations and guide troughs for the "Classic"-series are available on a continuous basis. Find the complete range online with the respective quicklink. Find free to download 3D-CAD files and many more useful features.

Selection table - Classics online-program

Series	Product	Page	Web-link	New Series	Web-link
"Classic"-Serien					
15 classic	Zipper	8	igus.de/en/15s	15	igus.de/en/15
10 classic	E2 mini	10	igus.de/en/10s	10	igus.de/en/10
B15 classic	E2 mini	12	igus.de/en/B15s	B15	igus.de/en/B15
200/240/250	E2 medium	14	igus.de/en/200	2400/2500	igus.de/en/2400
26/27i/27	E2 medium	18	igus.de/en/26	2600/2700	igus.de/en/2600
340/350	E2 medium	22	igus.de/en/340	3400/3500	igus.de/en/3400
20/25	E2 medium	28	igus.de/en/20	2400/2500	igus.de/en/2400
30/35/36	E2 medium	30	igus.de/en/30	3400/3500	igus.de/en/3400
R58 classic	E2 E-Tubes	32	igus.de/en/r58s	R58	igus.de/en/R58
R68 classic	E2 E-Tubes	36	igus.de/en/r68s	R68	igus.de/en/R68
140/141/R188	E4/light	40	igus.de/en/140	14040/14140/R18840	igus.de/en/14040
142/143	E4/light	44	igus.de/en/142	14240/14340	igus.de/en/14240
150/151/R198	E4/light	48	igus.de/en/150	15050/15150/R19850	igus.de/en/15050
22/23/R76	E4/0	52	igus.de/en/22	E4.28	igus.de/en/E4.28
28/29/R77	E4/0	56	igus.de/en/28	E4.32	igus.de/en/E4.32
38/39/R78	E4/0	60	igus.de/en/38	E4.42	igus.de/en/E4.42
40/41/R88	E4/0	64	igus.de/en/40	E4.56	igus.de/en/E4.56
50/51/R98	E4/0	68	igus.de/en/50	E4.80	igus.de/en/E4.80

Line extensions and special solutions

38022	E4/00	72	igus.de/en/38022
383822	E4/4	74	igus.de/en/383822
3822	E4/0	76	igus.de/en/3822
E-Band		80	igus.de/en/E-Band



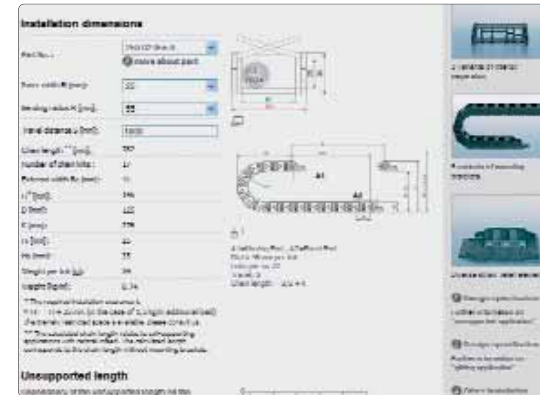
Find the complete range online with the respective quicklink. Find free to download 3D-CAD files and many more useful features

Classic-series quicklinks

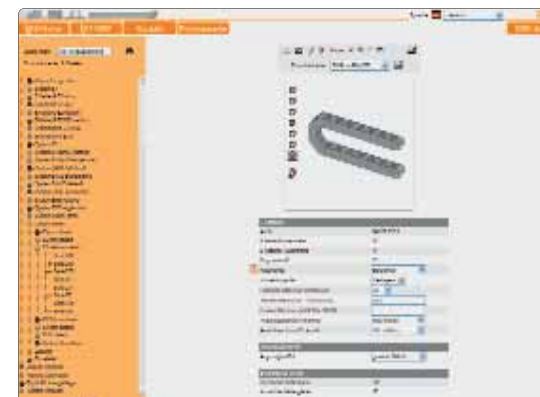
Quicklinks for more information or additional functions can be found on each product page. "Visit" your selected product online by clicking on ► www.igus.de/en/240 to find more information, such as detailed interior separation and mounting options, 3-D CAD, DXF, and PDF-files for downloading, application examples, and much more; everything you need to know about your igus® product.



www.igus.eu/classics
Find online all information about the igus®-classics series



Configure your E-Chain® online. Easy takeover into the part list



Generate quick and easy a 3D-file

Part No. structure

15.	1.	110.	0
Color			
black			
Bending radius			
Width			
Series			

Order example 2,0 m complete E-Chain*
(indicate chain-lengths or number of links)

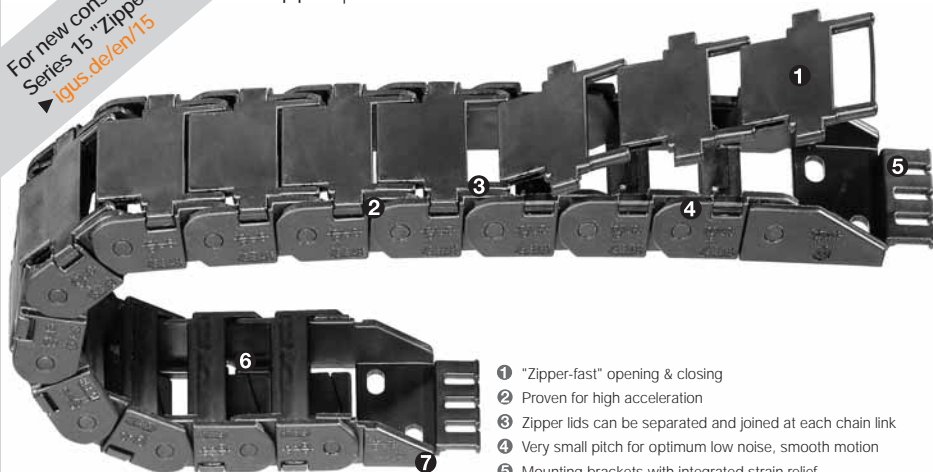
2,0 m (66 links) Series 15.1.110.0

+ 2 separators 152 assembled each 2nd link

+ 1 set mounting brackets + tiewrap plates 101.12.PZ

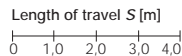
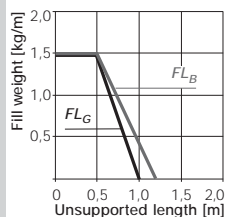
For new constructions:
Series 15 "Zipper"
igus.de/en/15

Zipper | Series 15 classic

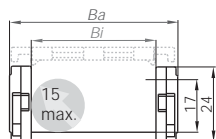
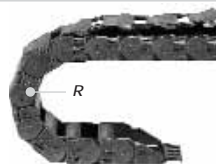
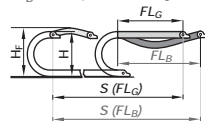


- 1 "Zipper-fast" opening & closing
- 2 Proven for high acceleration
- 3 Zipper lids can be separated and joined at each chain link
- 4 Very small pitch for optimum low noise, smooth motion
- 5 Mounting brackets with integrated strain relief
- 6 Interior separation with vertical separators possible
- 7 iF-Design-Award Winner

Price index



Unsupported length
 FL_G = with straight upper run
 FL_B = with permitted sag



Series 15 classic - zip-open along the outer radius

Part No.	B1(mm)	B2(mm)	R(mm) Bending Radii
15.1.□.0	15	26	038 048 075
15.2.□.0	25	36	110 125 145
15.3.□.0	38	49	180
15.4.□.0	50	61	

Radii for all widths!

Supplement Part No. with required radius. Example: 15.1.110.0
Bending radii listed above can be combined with every chain width!



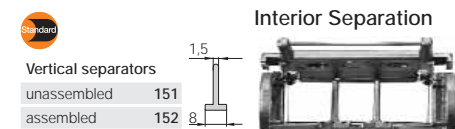
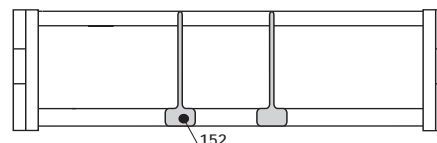
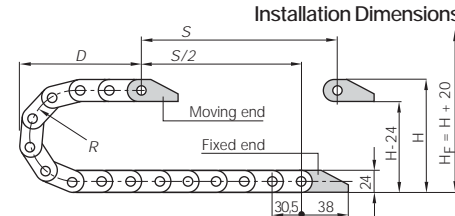
Zipper | Series 15 classic

Pitch = 30,5 mm Links per m = 33 Chain length = $S/2 + K$

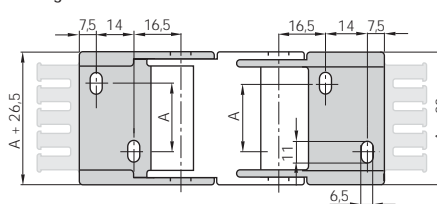
R	038	048	075	110	125	145	180
H	100	120	175	245	275	315	385
D	90	120	145	170	190	225	279
K	185	215	300	410	455	520	630

The required clearance height is $H_e = H + 20$ mm (with 1 kg/m fill weight). Please consult igus® if space is particularly restricted.

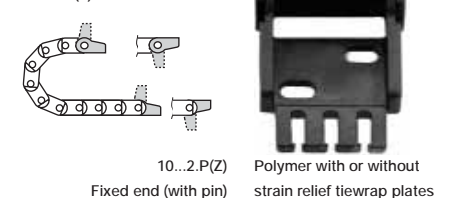
Installation Dimensions



10...1.P(Z) Moving end
10...2.P(Z) Fixed end

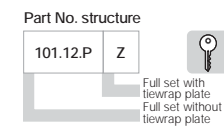


Moving end (with bore) 10...1.P(Z)
Fixed end (with pin) 10...2.P(Z)



For E-Chain*	Part No. full set with tiewrap plate	Part No. full set without tiewrap plate	Dimension A [mm]
15.1.	101.12.PZ	101.12.P	-
15.2.	102.12.PZ	102.12.P	10
15.3.	103.12.PZ	103.12.P	23
15.4.	104.12.PZ	104.12.P	35

Tiewrap plates are possible at the moving end and/or the fixed end!



Full set, for both ends:
101.12.PZ (+ tiewrap plates)
Single-part order:
101.1.PZ (+ tiewrap plates)
Mounting bracket with bore
101.2.PZ (+ tiewrap plates)
Mounting bracket with pin



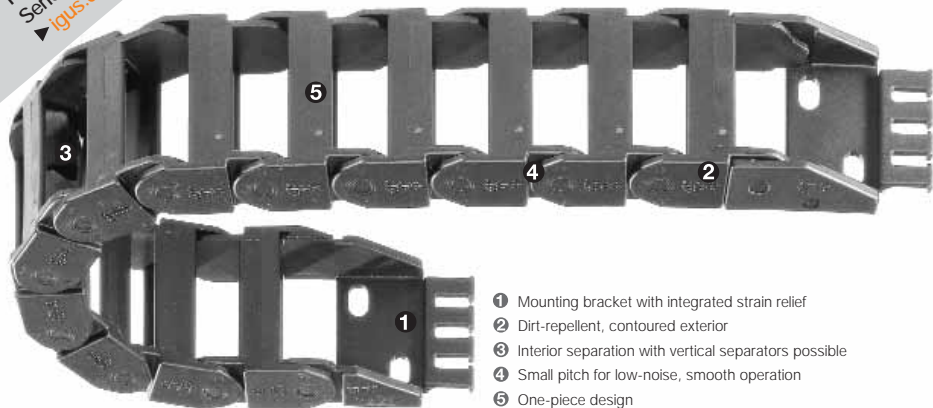
One-piece ore two-piece steel mounting brackets possible

Additional Features

For more features
▶ see link below

For new constructions:
Series 10 E2 mini
▶ igus.de/en/10

igus® E-ChainSystems®

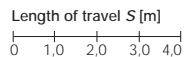
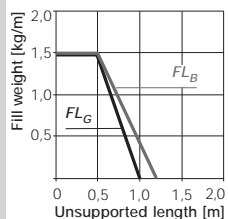


- 1 Mounting bracket with integrated strain relief
- 2 Dirt-repellent, contoured exterior
- 3 Interior separation with vertical separators possible
- 4 Small pitch for low-noise, smooth operation
- 5 One-piece design

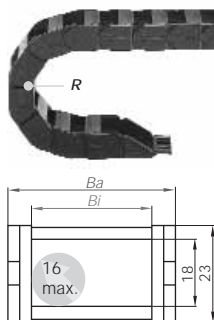
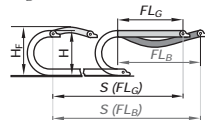
● ● ● Price index

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igus® GmbH
51147 Cologne



Unsupported length
 FL_G = with straight upper run
 FL_B = with permitted sag



Series 10 classic - non snap-open

Part No.	B1(mm)	B2(mm)	R(mm) Bending Radii
10.1.□.0	15	26	028 038 048
10.2.□.0	25	36	075 100* 110*
10.3.□.0	38	49	125* 145* 180*
10.4.□.0	50	61	

Radii for all widths!

*available upon request!

Supplement Part No. with required radius. Example: 10.2.□048.0
Bending radii listed above can be combined with every chain width!

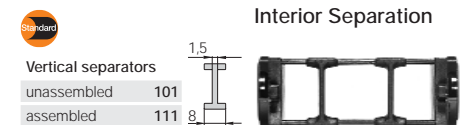
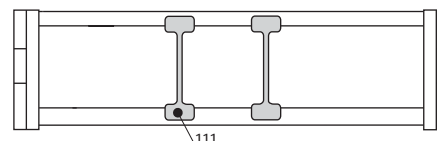
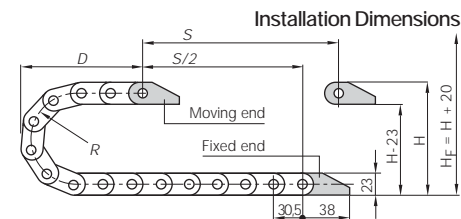
Order example 2,0 m complete E-Chain®
(indicate chain-lengths or number of links)

2,0 m (66 links) Series 10.2.048.0
+ 2 separators 111 assembled each 2nd link
+ 1 set mounting brackets + tie-wrap plates 102.12.PZ

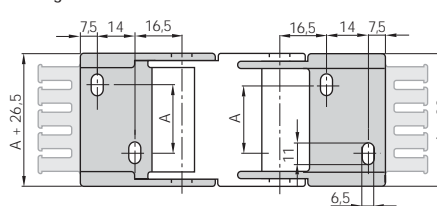
Pitch = 30,5 mm Links per m = 33 Chain length = $S/2 + K$

R	028	038	048	075	100*	110*	125*	145*	180*
H	80	100	120	175	225	245	275	315	385
D	70	80	90	120	145	155	170	190	225
K	150	185	215	300	375	410	455	520	630

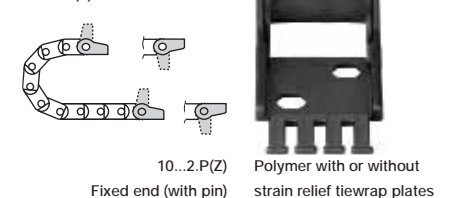
The required clearance height is $H_f = H + 20$ mm (with 1,5 kg/m fill weight). Please consult igus® if space is particularly restricted.



10...1P(Z) Moving end
10...2.P(Z) Fixed end



Moving end (with bore) 10...1.P(Z)
Mounting Brackets



For E-Chain®	Part No. full set with tie-wrap plate	Part No. full set without tie-wrap plate	Dimension A [mm]
10.1. ▶	101.12.PZ	101.12.P	-
10.2. ▶	102.12.PZ	102.12.P	10
10.3. ▶	103.12.PZ	103.12.P	23
10.4. ▶	104.12.PZ	104.12.P	35

Tie-wrap plates are possible at the moving end and/or the fixed end!

Part No. structure	Full set, for both ends:	Single-part order:
101.12.P Z	101.12.PZ (+ tie-wrap plates)	101.1.PZ (+ tie-wrap plates)
		Mounting bracket with bore
		101.2.PZ (+ tie-wrap plates)
		Mounting bracket with pin



One-piece or two-piece steel mounting brackets possible

Additional Features

For more features ▶ see link below [www](http://www.igus.de/en/10s)

Phone +49- (0) 22 03-96 49-800
Fax +49- (0) 22 03-96 49-222

E2 mini classic
Inner height: 18 mm

Part No. structure	Color	Bending radius	Width	Series
B15. 2. 048. 0	black			

Order example 2,0 m complete E-Chain*
(indicate chain-lengths or number of links)

2,0 m (66 links) Series B15.2.048.0
+ 2 separators 152 assembled each 2nd link
+ 1 set mounting brackets + tie-wrap plates 102.12.PZ

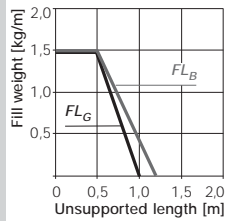
For new constructions:
Series B15 "E2 mini"
▶ igus.de/en/B15

E2 mini | Series B15 classic



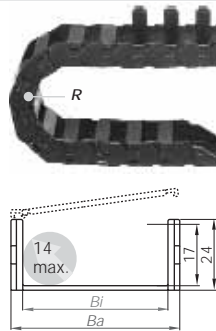
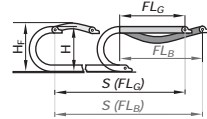
- 1 Mounting bracket with integrated strain relief
- 2 Dirt-repellent, contoured exterior
- 3 Interior separation with vertical separators possible
- 4 Small pitch for low-noise, smooth operation
- 5 Snap-open along outer radius with film-hinge

● ● ● Price index



Length of travel S [m]

Unsupported length
FL_G = with straight upper run
FL_B = with permitted sag



B15 classic - snap-open along inner radius

Part No.	B1(mm)	B2(mm)	R(mm) Bending Radii
B15.1.□.0	15	26	038 048 075
B15.2.□.0	25	36	110 125 145
B15.3.□.0	38	49	180
B15.4.□.0	50	61	Radii for all widths!

Supplement Part No. with required radius. Example: B15.2.048.0
Bending radii listed above can be combined with every chain width!

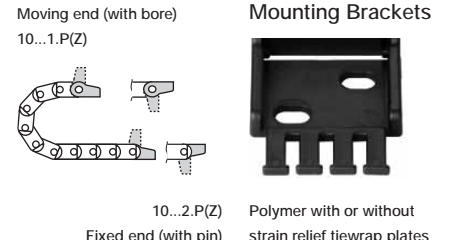
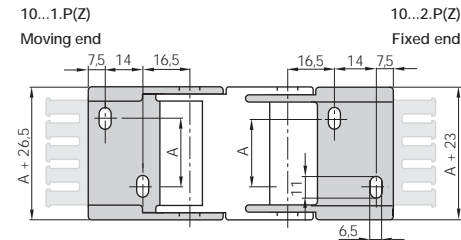
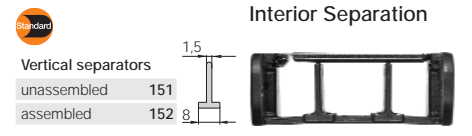
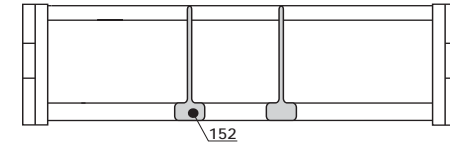
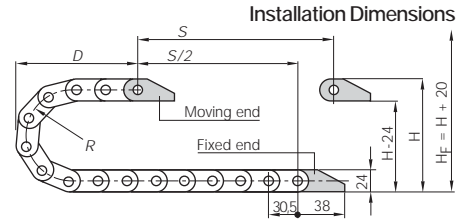


E2 mini | Series B15 classic

Pitch = 30,5 mm Links per m = 33 Chain length = $S/2 + K$

R	038	048	075	110	125	145	180
H	100	120	175	245	275	315	385
D	80	90	120	155	170	190	225
K	185	215	300	410	455	520	630

The required clearance height is $H_F = H + 20$ mm (with 1,5 kg/m fill weight). Please consult igus® if space is particularly restricted.



For E-Chain*	Part No. full set with tie-wrap plate	Part No. full set without tie-wrap plate	Dimension A [mm]
B15.1. ▶	101.12.PZ	101.12.P	-
B15.2. ▶	102.12.PZ	102.12.P	10
B15.3. ▶	103.12.PZ	103.12.P	23
B15.4. ▶	104.12.PZ	104.12.P	35

Tie-wrap plates are possible at the moving end and/or the fixed end!

Part No. structure	Full set with tie-wrap plate	Full set without tie-wrap plate
101.12.P Z		

Full set, for both ends:
101. [12]. PZ (+ tie-wrap plates)
Single-part order:
101. [1]. PZ (+ tie-wrap plates)
Mounting bracket with bore
101. [2]. PZ (+ tie-wrap plates)
Mounting bracket with pin



One-piece or two-piece steel mounting brackets possible

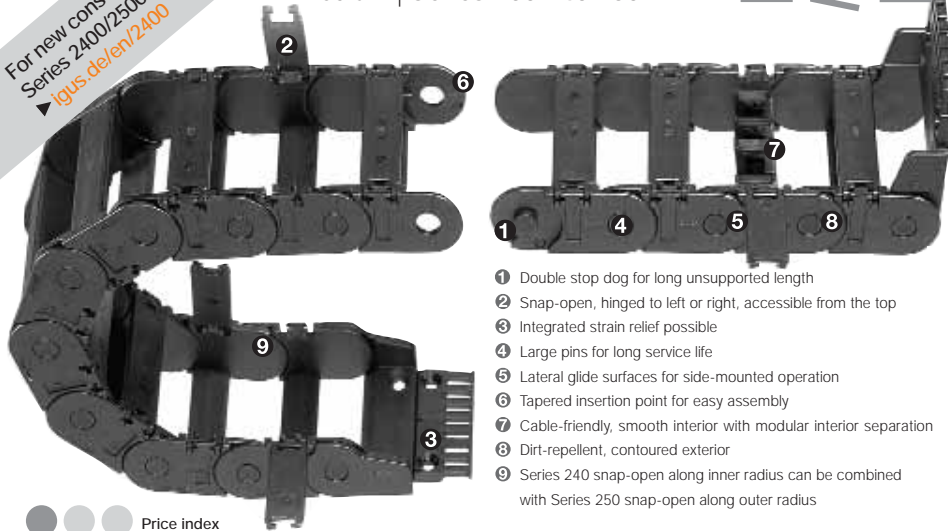
Additional Features

For more features ▶ see link below [www](http://www.igus.de)

Order example 2,0 m complete E-Chain®
(indicate chain-lengths or number of links)
2,0 m (44 links) Series 250.10.100.0
+ 2 separators 211 assembled each 2nd link
+ 1 set mounting brackets + tie-wrap plates 2100.34.PZB

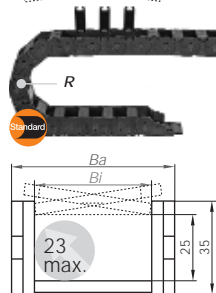
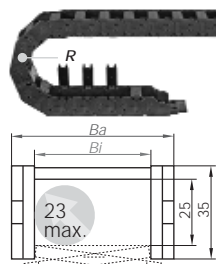
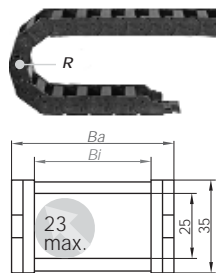
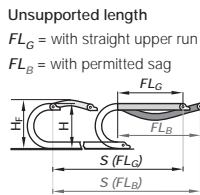
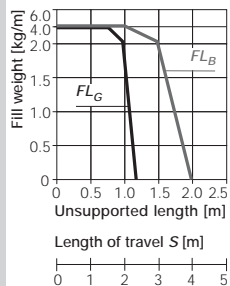
For new constructions:
Series 2400/2500 "E2/000"
▶ igus.de/en/2400

E2 medium | Series 200-240-250



- 1 Double stop dog for long unsupported length
- 2 Snap-open, hinged to left or right, accessible from the top
- 3 Integrated strain relief possible
- 4 Large pins for long service life
- 5 Lateral glide surfaces for side-mounted operation
- 6 Tapered insertion point for easy assembly
- 7 Cable-friendly, smooth interior with modular interior separation
- 8 Dirt-repellent, contoured exterior
- 9 Series 240 snap-open along inner radius can be combined with Series 250 snap-open along outer radius

● ● ● Price index



Series 200 - non snap-open

Part No.	Bi(mm)	Ba(mm)	R(mm) Bending Radii
200.02.□.0	25	41	055 075 100
200.03.□.0	38	54	125 150 175
200.05.□.0	57	73	200 225 250
200.07.□.0	77	93	
200.09.□.0	90	106	
200.10.□.0	103	119	
200.12.□.0	125	141	

Radii for all widths!

Supplement Part No. with required radius. Example: 200.10.100.0
Bending radii listed above can be combined with every chain width!

Series 240 - snap-open along inner radius

Part No.	Bi(mm)	Ba(mm)	R(mm) Bending Radii
240.02.□.0	25	41	055 075 100
240.03.□.0	38	54	125 150 175
240.05.□.0	57	73	200 225 250
240.07.□.0	77	93	
240.09.□.0	90	106	
240.10.□.0	103	119	
240.12.□.0	125	141	

Radii for all widths!

Supplement Part No. with required radius. Example: 240.10.100.0
Bending radii listed above can be combined with every chain width!

Series 250 - snap-open along outer radius

Part No.	Bi(mm)	Ba(mm)	R(mm) Bending Radii
250.02.□.0	25	41	055 075 100
250.03.□.0	38	54	125 150 175
250.05.□.0	57	73	200 225 250
250.07.□.0	77	93	
250.09.□.0	90	106	
250.10.□.0	103	119	
250.12.□.0	125	141	

Radii for all widths!

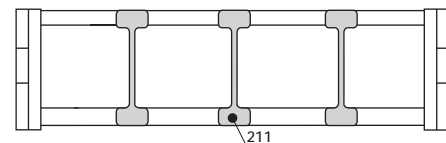
Supplement Part No. with required radius. Example: 250.10.100.0
Bending radii listed above can be combined with every chain width!

E2 medium | Series 200-240-250

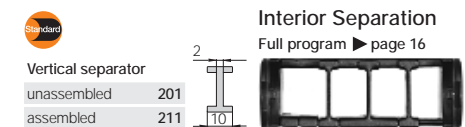
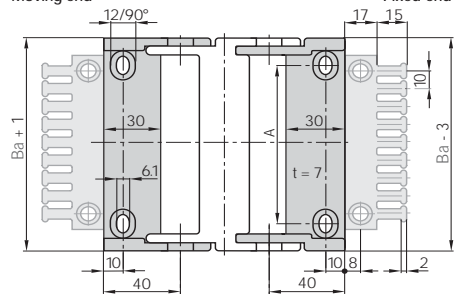
Pitch = 46 mm Links per m = 22 Chain length = $S/2 + K$

R	055	075	100	125	150	175	200	225	250
H+4	145	185	235	285	335	385	435	485	535
D	125	150	170	195	220	245	270	295	320
K	276	346	414	496	578	660	742	814	920

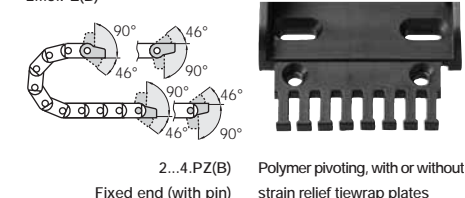
The required clearance height is $H_f = H + 25$ mm (with 1,5 kg/m fill weight). Please consult igus® if space is particularly restricted.



2...3.PZ(B) Moving end



2...3.PZ(B) Moving end (with bore) 2...4.PZ(B) Fixed end (with pin)



For E-Chain®	Part No. full set with tiewrap plate	Part No. with tiewrap plate + 10 cable tiewraps	Part No. full set without tiewrap plate	Dimension A [mm]
200/240/250.02.▶	2020.34.PZB	2020.34.PZBK1	2020.34.PZ	12
200/240/250.03.▶	2030.34.PZB	2030.34.PZBK1	2030.34.PZ	25
200/240/250.05.▶	2050.34.PZB	2050.34.PZBK1	2050.34.PZ	44
200/240/250.07.▶	2070.34.PZB	2070.34.PZBK1	2070.34.PZ	64
200/240/250.09.▶	2090.34.PZB	2090.34.PZBK1	2090.34.PZ	77
200/240/250.10.▶	2100.34.PZB	2100.34.PZBK1	2100.34.PZ	90
200/240/250.12.▶	2125.34.PZB	2125.34.PZBK1	2125.34.PZ	112


Tiewrap plates are possible at the moving end and/or the fixed end!





Additional Features


For more features ▶ see link below www.igus.de



Vertical Separator

 unassembled 201
 assembled 211

Vertical Separator*

 unassembled 201.28
 assembled 211.28

Spacer*

 unassembled 205.09
 assembled 215.09

Strain Relief Separator

 unassembled 2020.Z
 assembled 2120.Z

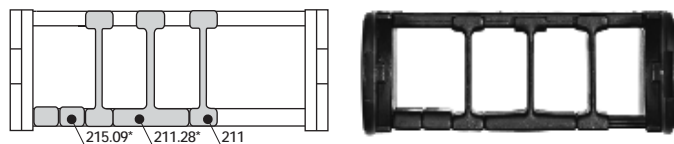
*For side-mounted applications


Option 1: Vertical Separators and Spacer


Vertical Separators are used if a vertical subdivision of the E-Chain® interior is required -

By standard Vertical Separators are assembled every other E-Chain® link

- **Standard:** subdivision (Series 2400/Series 2500) with Vertical Separator 211
- If a broad distance shall be kept between the separators or they have to be fixed in their position, e.g. in case of side mounted applications, separators with wide base 211.28 or (not series 2500) can be used
- **Strain Relief Separator 2020.Z**, integrable in the mounting bracket, to position at any point



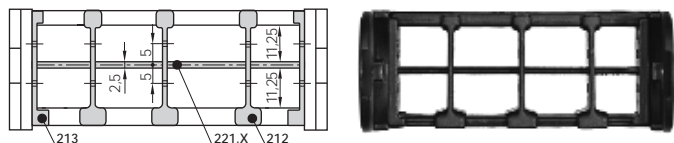
Vert. Separator, slotted

 unassembled 202
 assembled 212

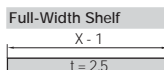
Side Plate

 unassembled 203
 assembled 213

Option 2: Full-Width Shelves for

For applications involving many thin cables with similar or identical diameters


- Vertical Separator, slotted 212 and Side Plate 213 - for applications with Full-Width Shelf 221.X





Full-Width Shelf

 X - 1
 t = 2,5

Width X [mm]	Part No. unassembled	Part No. assembled
25	220.25	221.25
38	220.38	221.38
57	220.57	221.57
77	220.77	221.77

Width X [mm]	Part No. unassembled	Part No. assembled
90	220.90	221.90
103	220.103	221.103
125	220.125	221.125

Side Plate

 unassembled 2030
 assembled 2130

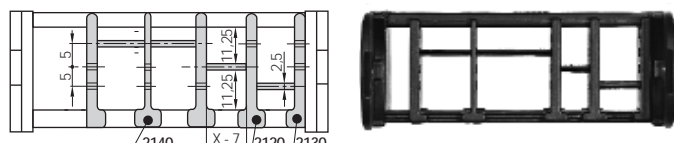
Vert. Separator, slotted

 unassembled 2040
 assembled 2140

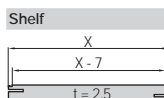
Middle Plate

 unassembled 2020
 assembled 2120

Option 3: Shelves

For applications involving many cables with different diameters. The Shelves can be arranged elevator-shifted with different bottoms within the entire E-Chain® width.

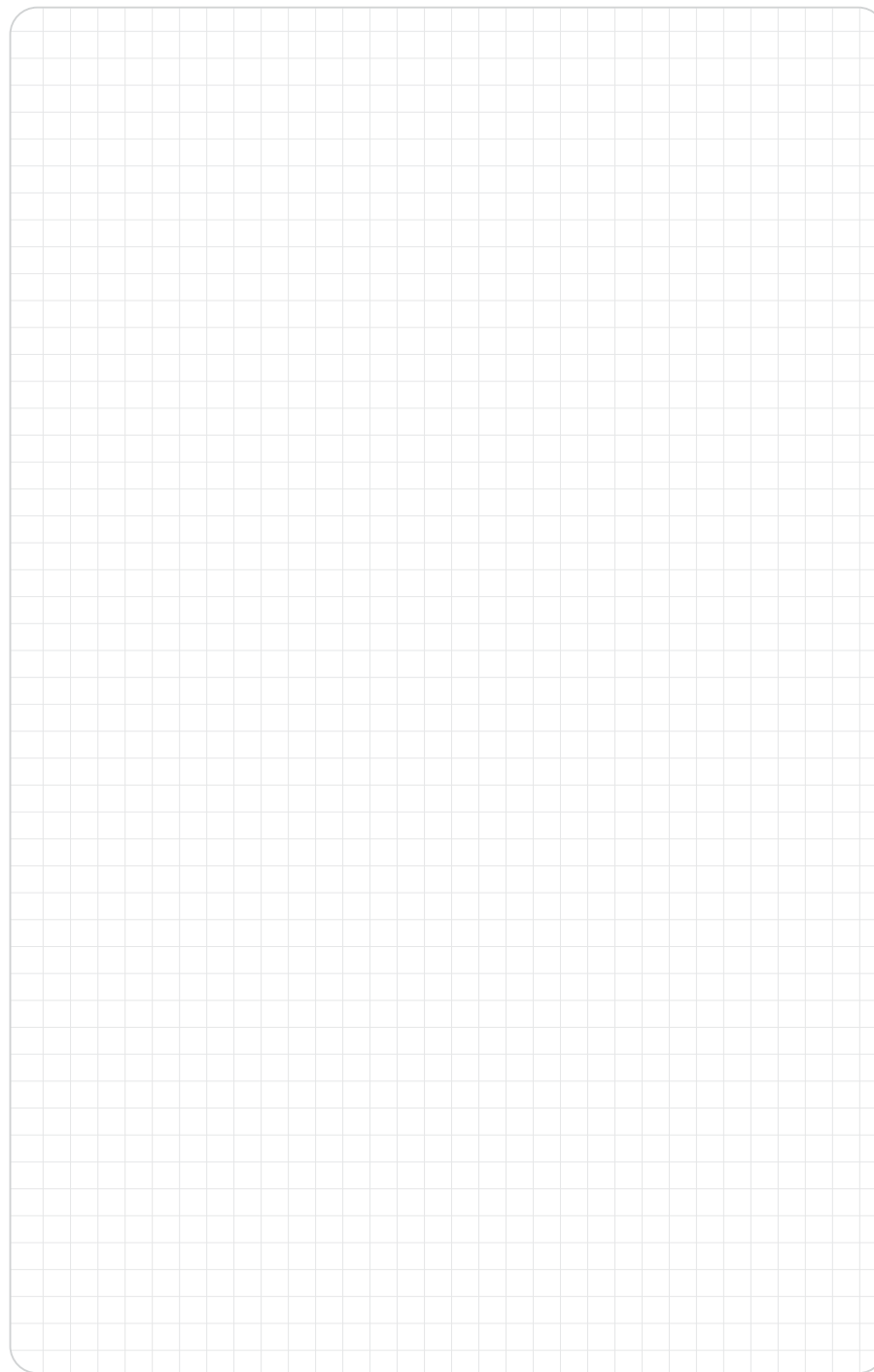
- Shelf 2210.X can be combined with Middle Plate 2120, Vertical Separator, slotted 2140 and Side Plate 2130



Shelf

 X
 X - 7
 t = 2,5

Width X [mm]	Part No. unassembled	Part No. assembled
18	2200.18	2210.18
23	2200.23	2210.23
28	2200.28	2210.28
33	2200.33	2210.33
38	2200.38	2210.38
43	2200.43	2210.43

Width X [mm]	Part No. unassembled	Part No. assembled
48	2200.48	2210.48
58	2200.58	2210.58
68	2200.68	2210.68
73	2200.73	2210.73
88	2200.88	2210.88
99	2200.99	2210.99

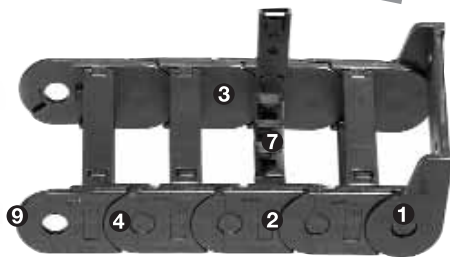


Part No.	structure	Color
27.	10. 100.0	black
		Bending radius
		Width
		Series

Order example 3,0 m complete E-Chain*
(indicate chain-lengths or number of links)
3,0 m (54 links) Series 27.10.100.0
+ 2 separators 261 assembled each 2nd link
+ 1 set mounting brackets + tie-wrap plates 2610.34.PZB

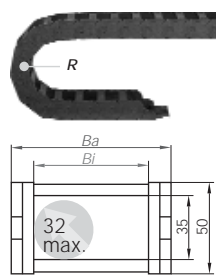
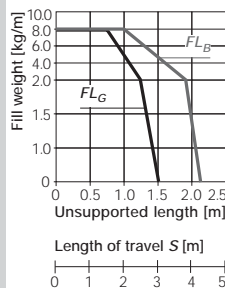
For new constructions:
Series 2600/2700 "E2/000"
▶ igus.de/en/2600

E2 medium | Series 26-27i-27



- ① Large pins for long service life
- ② Double stop dog for long unsupported length
- ③ Space-saving ratio of inner-to-outer dimensions
- ④ Lateral glide surfaces for side-mounted operation
- ⑤ Cable-friendly, smooth interior
- ⑥ Series 27i snap-open along inner radius can be combined with Series 27 snap-open along outer radius, accessible from the top
- ⑦ Modular interior separation
- ⑧ Integrated strain relief possible
- ⑨ Side wear pads

● ● ● Price index



Series 26 - non snap-open

Part No.	Bi(mm)	Ba(mm)	R(mm) Bending Radii
26.05.□.0	50	66	063 075 100
26.07.□.0	75	91	125 150 175
26.10.□.0	100	116	200 250
26.12.□.0	125	141	Radii for all widths!
26.15.□.0	150	166	
26.17.□.0	175	194	
26.20.□.0	200	219	

Supplement Part No. with required radius. Example: 26.10.100.0
Bending radii listed above can be combined with every chain width!

Series 27i - snap-open along inner radius

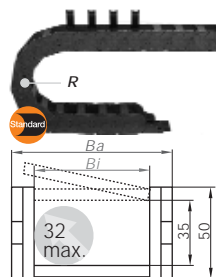
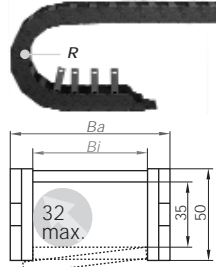
Part No.	Bi(mm)	Ba(mm)	R(mm) Bending Radii
27i.05.□.0	50	66	063 075 100
27i.07.□.0	75	91	125 150 175
27i.10.□.0	100	116	200 250
27i.12.□.0	125	141	Radii for all widths!
27i.15.□.0	150	166	
27i.17.□.0	175	194	
27i.20.□.0	200	219	

Supplement Part No. with required radius. Example: 27i.10.100.0
Bending radii listed above can be combined with every chain width!

Series 27 - snap-open along outer radius

Part No.	Bi(mm)	Ba(mm)	R(mm) Bending Radii
27.05.□.0	50	66	063 075 100
27.07.□.0	75	91	125 150 175
27.10.□.0	100	116	200 250
27.12.□.0	125	141	Radii for all widths!
27.15.□.0	150	166	
27.17.□.0	175	194	
27.20.□.0	200	219	

Supplement Part No. with required radius. Example: 27.10.100.0
Bending radii listed above can be combined with every chain width!



E2 medium | Series 26-27i-27

Pitch = 56 mm Links per m = 18 Chain length = $S/2 + K$

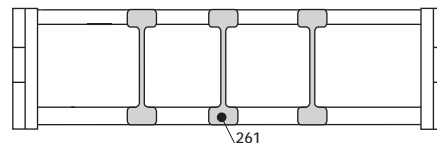
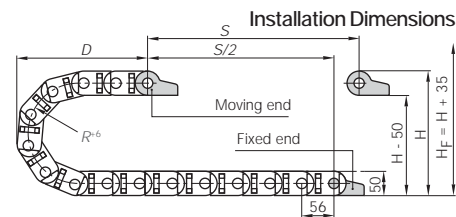
R	063	075	100	125	150	175	200	250
H+4	180	200	250	300	350	400	450	550
D	140	150	175	200	225	250	275	325
K	335	375	475	550	650	750	825	925

The required clearance height is $H_F = H + 35$ mm (with 2,0 kg/m fill weight). Please consult igus® if space is particularly restricted.



E2 medium classic
Inner height: 35 mm

Phone +49- (0) 22 03-96 49-800
Fax +49- (0) 22 03-96 49-222



Vertical separator

unassembled	260
assembled	261



Interior Separation

Full program ▶ page 20

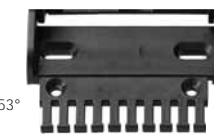
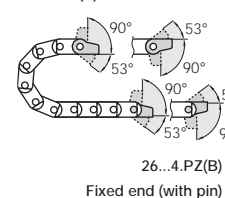
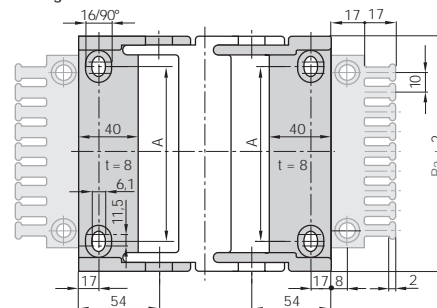


26...3.PZ(B)
Moving end

26...4.PZ(B)
Fixed end

Moving end (with bore)
26...3.PZ(B)

Mounting Brackets



Polymer pivoting, with or without strain relief tie-wrap plates

For E-Chain*	Part No. full set with tie-wrap plate	Part No. with tie-wrap plate + 10 cable tie-wraps	Part No. full set without tie-wrap plate	Dimension A [mm]
26/27/27i.05. ▶	2605.34.PZB	2605.34.PZBK1	2605.34.PZ	30
26/27/27i.07. ▶	2607.34.PZB	2607.34.PZBK1	2607.34.PZ	55
26/27/27i.10. ▶	2610.34.PZB	2610.34.PZBK1	2610.34.PZ	80
26/27/27i.12. ▶	2612.34.PZB	2612.34.PZBK1	2612.34.PZ	105
26/27/27i.15. ▶	2615.34.PZB	2615.34.PZBK1	2615.34.PZ	130
26/27/27i.17. ▶	2617.34.PZB	2617.34.PZBK1	2617.34.PZ	155
26/27/27i.20. ▶	2620.34.PZB	2620.34.PZBK1	2620.34.PZ	180

Tie-wrap plates are possible at the moving end and/or the fixed end!

Part No. structure

2605.34.PZ	B
------------	---

Full set with tie-wrap plate
Full set without tie-wrap plate

Full set, for both ends:

[2605.34.PZB] (+ tie-wrap plates)

Single-part order:

[2605.3.PZB] (+ tie-wrap plates)

Mounting bracket with bore

[2605.4.PZB] (+ tie-wrap plates)

Mounting bracket with pin

Additional Features



Polymer mounting bracket, locking



KMA mounting bracket available with C-profile

For more features
▶ see link below





Vertical Separator
unassembled 260
assembled 261



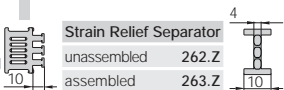
Vertical Separator*
unassembled 260.24
assembled 261.24



Spacer*
unassembled 205.09
assembled 215.09



Strain Relief Separator
unassembled 262.Z
assembled 263.Z



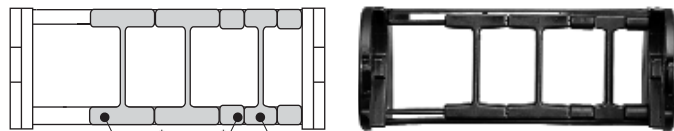
*For side-mounted applications

Option 1: Vertical Separators and Spacer

Vertical Separators are used if a vertical subdivision of the E-Chain® interior is required -

By standard Vertical Separators are assembled every other E-Chain® link

- Standard subdivision (Series 2600/Series 2700) with Vertical Separator 261, for combinations with Full-Width Shelf 221.X
- If a broad distance shall be kept between the separators or they have to be fixed in their position, e.g. in case of side mounted applications, separators with wide base 261.24 or Spacer 215.09 can be used
- Strain Relief Separator 262.Z, integrable in the mounting bracket, to position at any point



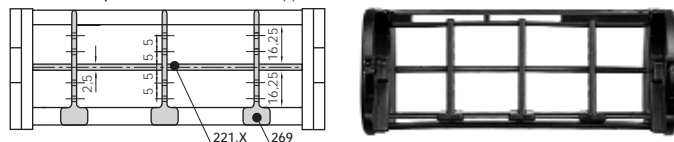
Vert. Separator, slotted
unassembled 268
assembled 269



Option 2: Full-Width Shelves

For applications involving many thin cables with similar or identical diameters

- Vertical Separator, slotted 269 - for applications with Full-Width Shelf 221.X



Width X [mm]	Part No. unassembled	Part No. assembled
50	220.50	221.50
65	220.65	221.65
75	220.75	221.75
90	220.90	221.90

Width X [mm]	Part No. unassembled	Part No. assembled
100	220.100	221.100
125	220.125	221.125
150	220.150	221.150
175	220.175	221.175

Full-Width Shelf
X-1
t = 2,5

Middle Plate
unassembled 262
assembled 263



Option 3: Shelves

For applications involving many cables with different diameters. The Shelves can be arranged elevator-shifted with different bottoms within the entire E-Chain® width

- Shelf 2210.X can be combined with Middle Plate 263, Slotted Separator 267 and Side Plate 265
- Option 3 "Shelves" can also be combined with option 1 "Vertical Separators"
- Assembling of the Slotted Separator, open 277 in the existing separation afterwards possible

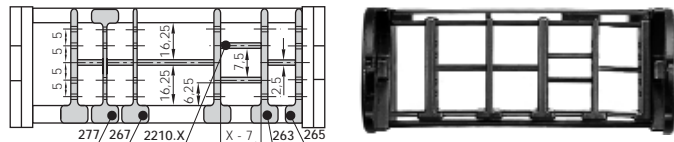
Slotted Separator
unassembled 266
assembled 267



Slotted Separator, open
unassembled 276
assembled 277



Side Plate
unassembled 264
assembled 265



Width X [mm]	Part No. unassembled	Part No. assembled
18	2200.18	2210.18
23	2200.23	2210.23
28	2200.28	2210.28
33	2200.33	2210.33
38	2200.38	2210.38
43	2200.43	2210.43
48	2200.48	2210.48

Width X [mm]	Part No. unassembled	Part No. assembled
58	2200.58	2210.58
68	2200.68	2210.68
73	2200.73	2210.73
88	2200.88	2210.88
99	2200.99	2210.99
124	2200.124	2210.124
149	2200.149	2210.149

Shelf
X
X - 7
t = 2,5



Part No.	structure	Color	Bending radius	Width	Series
350.	150.100.0	black			

Order example 5,0 m complete E-Chain®
(indicate chain-lengths or number of links)
5,0 m (75 links) Series 350.150.100.0
+ 2 separators 311 assembled each 2nd link
+ 1 set mounting brackets + tie-wrap plates 3150.34.PZB

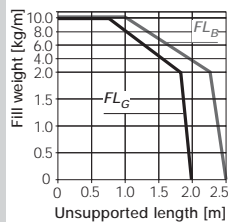
For new constructions:
Series 3400/3500 "E2/000"
▶ igus.de/en/3400

E2 medium | Series 340-350



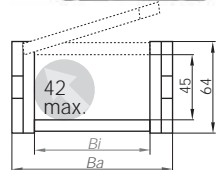
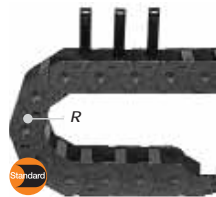
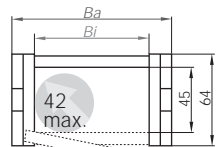
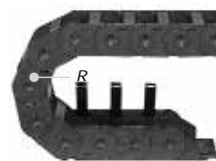
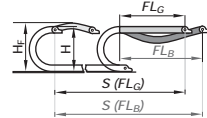
- 1 Double stop dog for long unsupported length
- 2 Large pins for long service life
- 3 Lateral glide surfaces for side-mounted operation
- 4 Available with extender crossbars for large hoses
- 5 Cable-friendly, smooth interior
- 6 Integrated strain relief possible
- 7 Serie 340 snap-open along inner radius can be combined with Series 350 snap-open along outer radius, accessible from the top
- 8 Dirt-repellent, contoured exterior

● ● ● Price index



Unsupported length

FL_G = with straight upper run
FL_B = with permitted sag



Series 340 - snap-open along inner radius

Part No.	Bi [mm]	Ba [mm]	R [mm] Bending Radii
340.050.□.0	50	70	075 100 125
340.075.□.0	75	95	150 200 250
340.100.□.0	100	120	300
340.115.□.0	115	135	Radii for all widths!
340.125.□.0	125	145	
340.150.□.0	150	170	
340.175.□.0	175	195	
340.200.□.0	200	220	
340.225.□.0	225	245	
340.250.□.0	250	270	

Supplement Part No. with required radius. Example: 340.050.100.0
Bending radii listed above can be combined with every chain width!

Series 350 - snap-open along outer radius

Part No.	Bi [mm]	Ba [mm]	R [mm] Bending Radii
350.050.□.0	50	70	075 100 115*
350.075.□.0	75	95	125 150 200
350.100.□.0	100	120	250 300
350.115.□.0	115	135	Radii for all widths!
350.125.□.0	125	145	
350.150.□.0	150	170	
350.175.□.0	175	195	
350.200.□.0	200	220	* not for Series 350.100
350.225.□.0	225	245	
350.250.□.0	250	270	

Supplement Part No. with required radius. Example: 350.150.100.0
Bending radii listed above can be combined with every chain width!

igus® extender crossbar
Extension for Series 340/350 E2 medium -
For large hoses and enlarged inner heights
▶ page 26



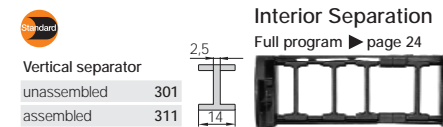
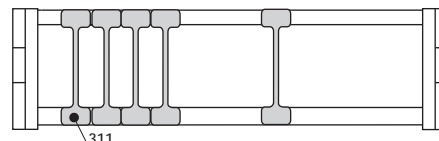
E2 medium | Series 340-350

Pitch = 67 mm Links per m = 15 Chain length = S/2 + K

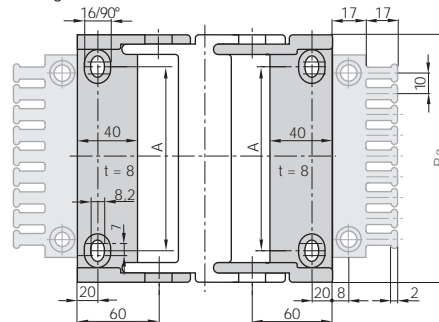
R	075	100	115*	125	150	200	250	300
H*5	215	265	294	315	365	465	565	665
D	150	200	215	225	250	300	350	400
K	400	500	550	650	725	875	1050	1225

The required clearance height is H_F = H + 40 mm (with 2.5 kg/m fill weight). Please consult igus® if space is particularly restricted.

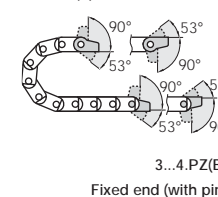
* not for Series 350.100



3...3.PZ(B)
Moving end



3...3.PZ(B)
Fixed end



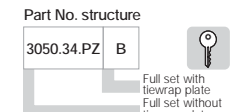
Mounting Brackets



Polymer pivoting, with or without strain relief tie-wrap plates

For E-Chain®	Part No. full set with tie-wrap plate	Part No. with 10 cable tiewraps	Part No. full set without tie-wrap plate	Dimension A [mm]
340/350.050.	▶ 3050.34.PZB	3050.34.PZBK1	3050.34.PZ	28
340/350.075.	▶ 3075.34.PZB	3075.34.PZBK1	3075.34.PZ	53
340/350.100.	▶ 3100.34.PZB	3100.34.PZBK1	3100.34.PZ	78
340/350.115.	▶ 3115.34.PZB	3115.34.PZBK1	3115.34.PZ	93
340/350.125.	▶ 3125.34.PZB	3125.34.PZBK1	3125.34.PZ	103
340/350.150.	▶ 3150.34.PZB	3150.34.PZBK1	3150.34.PZ	128
340/350.175.	▶ 3175.34.PZB	3175.34.PZBK1	3175.34.PZ	153
340/350.200.	▶ 3200.34.PZB	3200.34.PZBK1	3200.34.PZ	178
340/350.225.	▶ 3225.34.PZB	3225.34.PZBK1	3225.34.PZ	203
340/350.250.	▶ 3250.34.PZB	3250.34.PZBK1	3250.34.PZ	228

Tie-wrap plates are possible at the moving end and/or the fixed end!



Full set, for both ends:
3050.34.PZB (+ tie-wrap plates)
Single-part order:
3050.3.PZB (+ tie-wrap plates)
Mounting bracket with bore
3050.4.PZB (+ tie-wrap plates)
Mounting bracket with pin



Mounting bracket polymer locking available

KMA mounting bracket available with C-profile

Additional Features

For more features ▶ see link below





Vertical Separator

unassembled	301
assembled	311



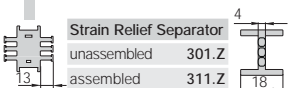
Spacer*

unassembled	305.08
assembled	315.08
unassembled	305.12
assembled	315.12



Strain Relief Separator

unassembled	301.Z
assembled	311.Z



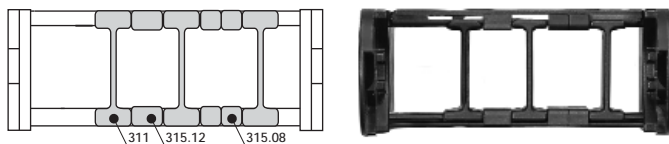
*For side-mounted applications

Option 1: Vertical Separators and Spacer

Vertical Separators are used if a vertical subdivision of the E-Chain® interior is required -

By standard Vertical Separators are assembled every other E-Chain® link

- Standard subdivision (Series 3400/Series 3500) with Vertical Separator 311, for combinations with Full-Width Shelf 2210.X
- If a broad distance shall be kept between the separators or they have to be fixed in their position, e.g. in case of side mounted applications, Spacer 315.08 and Spacer 315.12 can be used
- Strain Relief Separator 301.Z, integrable in the mounting bracket, to position at any point



Vert. Separator, slotted

unassembled	302
assembled	312



Vert. Separator, slotted

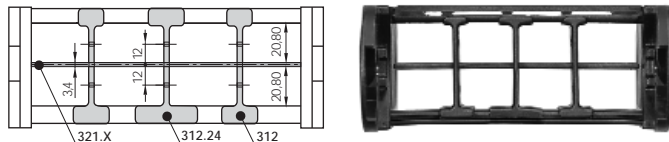
unassembled	302.24
assembled	312.24



Option 2: Full-Width Shelves

For applications involving many thin cables with similar or identical diameters

- Vertical Separator, slotted 312 and Vertical Separator, slotted 312.24 (with wide base, e.g. in case of side mounted applications) - for applications with Full-Width Shelf 321.X



Width X [mm]	Part No. unassembled	Part No. assembled
50	320.050	321.050
75	320.075	321.075
100	320.100	321.100
115	320.115	321.115
125	320.125	321.125

Width X [mm]	Part No. unassembled	Part No. assembled
150	320.150	321.150
175	320.175	321.175
200	320.200	321.200
225	320.225	321.225
250	320.250	321.250

Full-Width Shelf

X-1
t = 3,4

Side Plate

unassembled	303
assembled	313



Middle Plate

unassembled	304
assembled	314



Slotted Separator, open

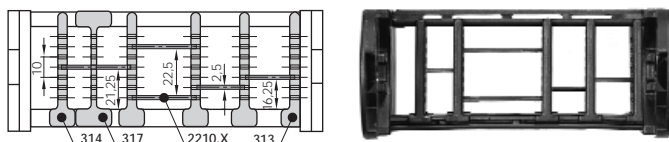
unassembled	307
assembled	317



Option 3: Shelves

For applications involving many cables with different diameters. The Shelves can be arranged elevator-shifted with different bottoms within the entire E-Chain® width

- Shelf 2210.X can be combined with Middle Plate 314 and Side Plate 313
- Option 3 "Shelves" can also be combined with option 1 "Vertical Separators"
- Assembling of the Slotted Separator, open 317 in the existing separation afterwards possible

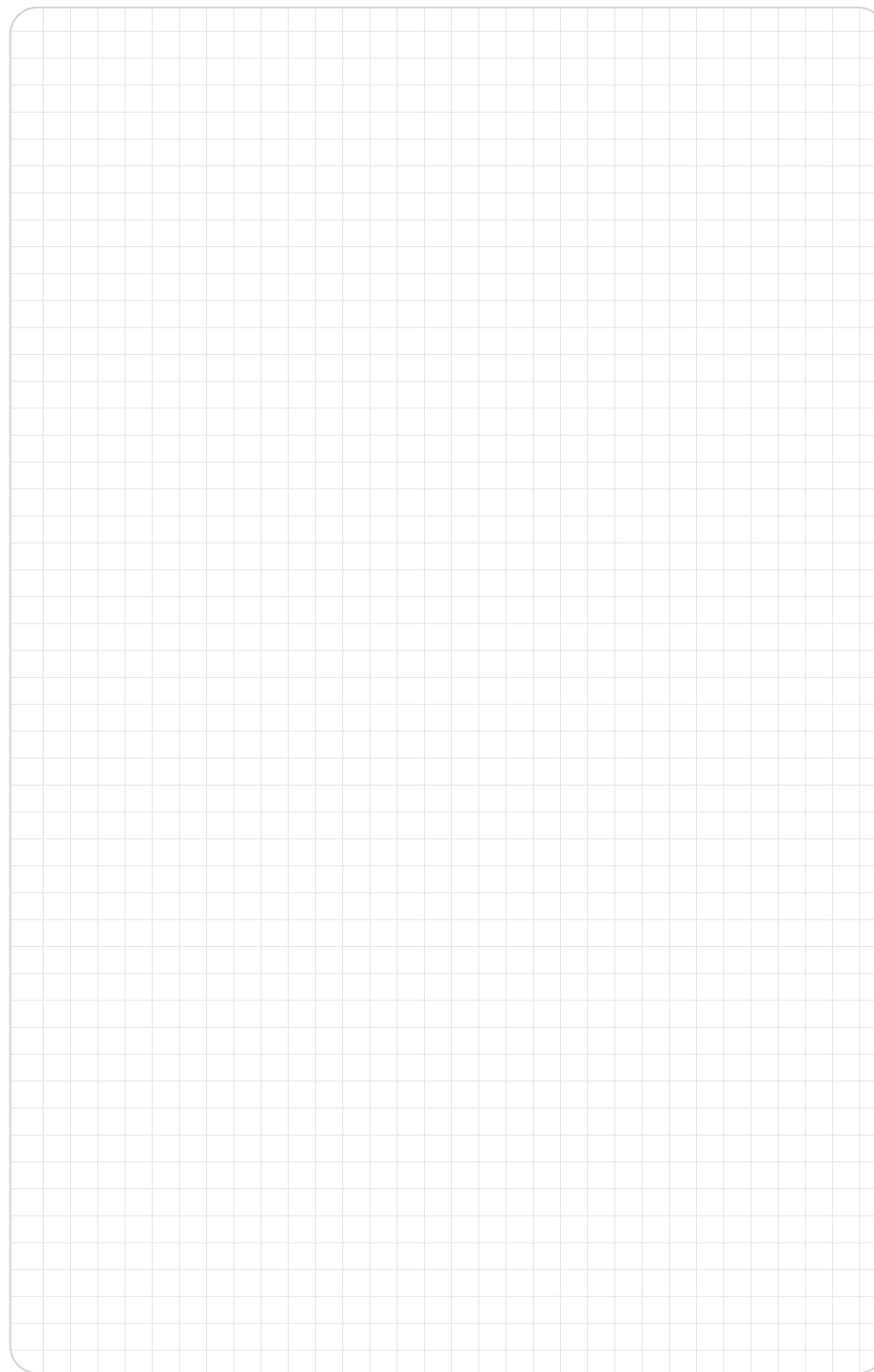


Width X [mm]	Part No. unassembled	Part No. assembled
18	2200.18	2210.18
23	2200.23	2210.23
28	2200.28	2210.28
33	2200.33	2210.33
38	2200.38	2210.38
43	2200.43	2210.43
48	2200.48	2210.48

Width X [mm]	Part No. unassembled	Part No. assembled
58	2200.58	2210.58
68	2200.68	2210.68
73	2200.73	2210.73
88	2200.88	2210.88
99	2200.99	2210.99
124	2200.124	2210.124
149	2200.149	2210.149

Shelf

X
X - 7
t = 2,5



340/350
Special solution



340.150...



340.175...



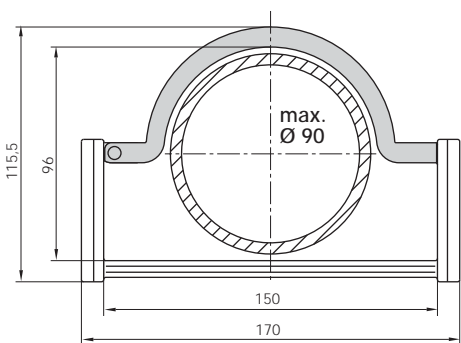
350.150...



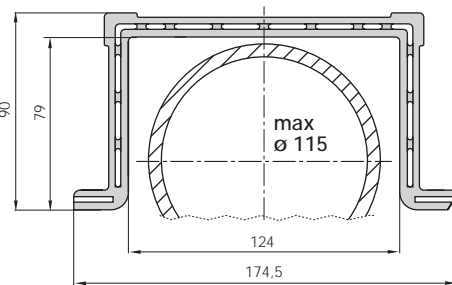
350.175...

Extender Crossbar Series 340/350 E2 medium - for larger hoses or increased inner chain heights

igus® Extender Chains were developed to provide a very smooth hose guidance. This type of extender chain is suitable for hoses with an outside diameter up to 115 mm. Hose guidance for inside radius (Series 350) as well as outside radius (Series 340) can be easily managed. Based on its design, a smooth movement of the chain is only possible with outside radius guidance. If outside radius guidance is used, the extenders of the chain links must be supported separately to avoid touching down on the surface below. We gladly assist you with your selection for a suitable guide troughs and your system's design.



Cross section of a chain link with rounded extender crossbar. Crossbar Part No.: 350.150.D090



Cross section of a chain link with square extender crossbar. Crossbar Part No.: 350.175.D115*

For E-Chain® Series	Ø max. hoses [mm]	Fastening method	Form	Bending Radii [mm]
340.150.	90	inner radius	round	150 200 250 300
340.175.	115	inner radius	square	200 250 300
350.150.	90	outer radius	round	075 100 125 150 200 250
350.175.	115	outer radius	square	075 100 125 150 200 250

*Part No. 350.175.RD115 also available with rounded extender bars. Extenders suitable for Series 3400/3500. Please contact us for further information.



Part No. structure (extender crossbar)

350. 150.D090. 100 0

- Color: black
- Radius
- Crossbar inside Ø
- Width
- Series

Order example 5,0 m complete E-Chain*
(indicate chain-lengths or number of links)
5,0 m (75 links) Series 350.150.D090.100.0
+ 1 set mounting brackets + tie-wrap plates 3150.34.PZB



igus® E-Chain® with extender-crossbar - safe guide for big hoses



igus® E2 E-Chains® for various applications and installations



Part No. structure

20.	1.	100.	0
-----	----	------	---

Color
black

Bending radius

Width

Series

Order example 4,0 m complete E-Chain*
(indicate chain-lengths or number of links)

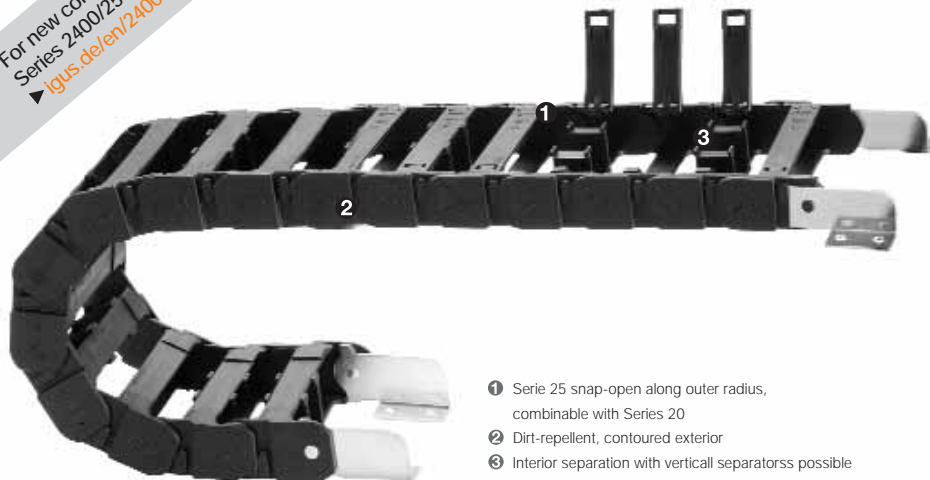
4,0 m (88 links) Series 20.1.100.0

+ 2 separators 211 assembled each 2nd link

+ 1 set mounting brackets 200.12

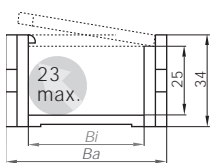
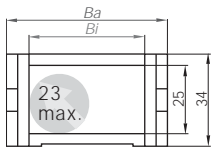
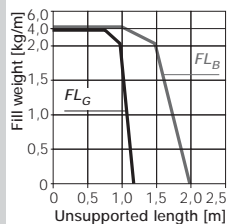
For new constructions:
Series 2400/2500 "E2/000"
▶ igus.de/en/2400

E2 medium | Series 20-25



- ① Serie 25 snap-open along outer radius, combinable with Series 20
- ② Dirt-repellent, contoured exterior
- ③ Interior separation with vertical separators possible

● ● ● Price index



Series 20 - non snap-open

Part No.	Bi[mm]	B2[mm]	R[mm] Bending Radii
20.1.□.0	11	27	055 075 100
20.2.□.0	38	53	125 150 200
20.3.□.0	57	72	250
20.4.□.0	77	92	Radii for all widths!
20.5.□.0	103	118	

Supplement Part No. with required radius. Example: 20.1.100.0
Bending radii listed above can be combined with every chain width!

Series 25 - snap-open along outer radius

Part No.	Bi[mm]	B2[mm]	R[mm] Bending Radii
25.2.□.0	38	53	055 075 100
25.3.□.0	57	72	125 150 200
25.4.□.0	77	92	250
25.5.□.0	103	118	Radii for all widths!

Supplement Part No. with required radius. Example: 25.2.100.0
Bending radii listed above can be combined with every chain width!

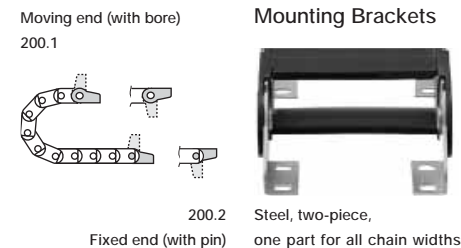
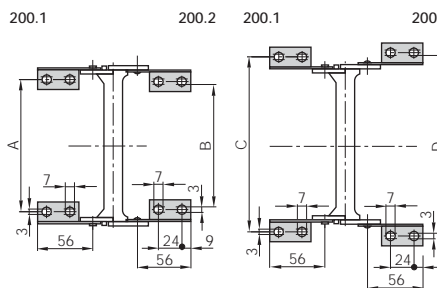
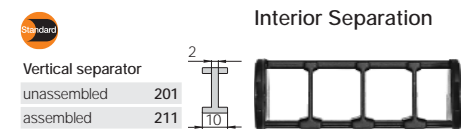
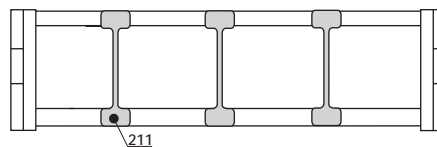
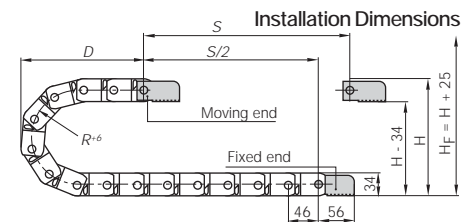
E2 medium | Series 20-25



Pitch = 46 mm Links per m = 22 Chain length = $S/2 + K$

R	055	075	100	125	150	200	250
H/5	145	185	235	285	335	435	535
D	125	150	170	195	220	270	320
K	276	346	414	476	598	736	920

The required clearance height is $H_f = H + 25$ mm (with 1,5 kg/m fill weight). Please consult igus® if space is particularly restricted.



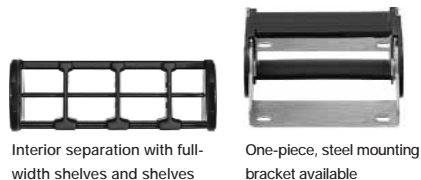
For E-Chain*	Part No.	Dim. A [mm]	Dim. B [mm]	Dim. C [mm]	Dim. D [mm]
20.1.	200.12	-	-	43	28
20/25.2.	200.12	27	22	71	79
20/25.3.	200.12	45	41	89	97
20/25.4.	200.12	66	61	109	117
20/25.5.	200.12	92	87	135	143

Full set, for both ends:
200.12

Single-part order:
200.1

Mounting bracket with bore
200.2

Mounting bracket with pin



Additional Features

For more features
▶ see link below [www](http://www.igus.de)

Part No. structure

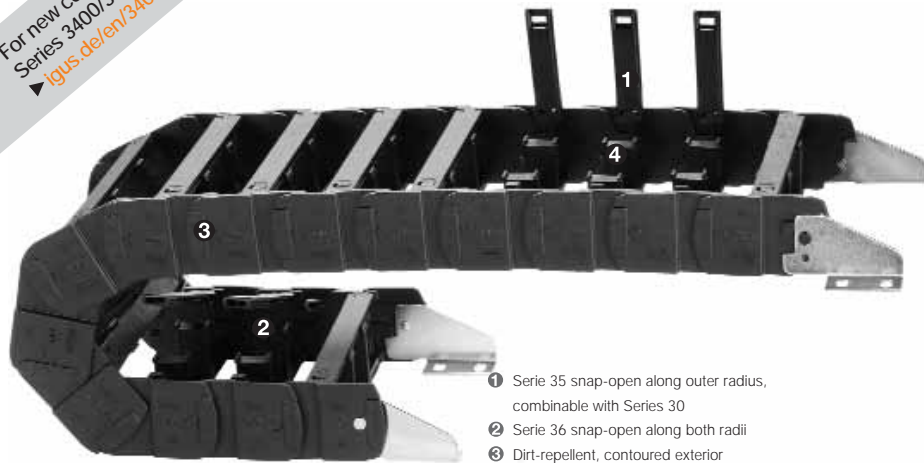
30.	1.	100.0
-----	----	-------

Color black
Bending radius
Width
Series

Order example 2,0 m complete E-Chain®
(indicate chain-lengths or number of links)
2,0 m (30 links) Series 30.1.100.0
+ 2 separators 311 assembled each 2nd link
+ 1 set mounting brackets 300.12

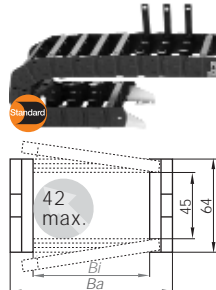
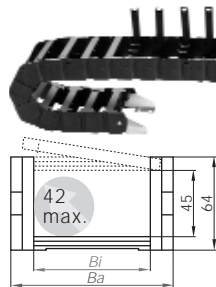
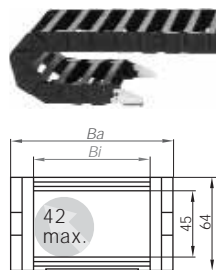
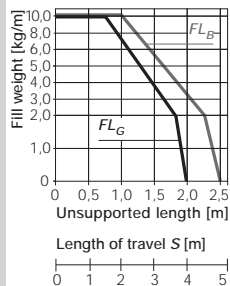
For new constructions:
Series 3400/3500 "E2/000"
▶ igus.de/en/3400

E2 medium | Series 30-35-36



- 1 Serie 35 snap-open along outer radius, combinable with Series 30
- 2 Serie 36 snap-open along both radii
- 3 Dirt-repellent, contoured exterior
- 4 Interior separation with vertical separator possible

● ● ● Price index



Series 30 - non snap-open

Part No.	Bi [mm]	Ba [mm]	R [mm] Bending Radii
30.1.□.0	75	93	075 100 125
30.2.□.0	115	133	150 200 250
30.3.□.0	175	195	300

Radii for all widths!

Supplement Part No. with required radius. Example: 30.1.100.0
Bending radii listed above can be combined with every chain width!

Series 35 - snap-open along outer radius

Part No.	Bi [mm]	Ba [mm]	R [mm] Bending Radii
35.1.□.0	75	93	075 100 125
35.2.□.0	115	133	150 200 250
35.3.□.0	175	195	300

Radii for all widths!

Supplement Part No. with required radius. Example: 35.1.100.0
Bending radii listed above can be combined with every chain width!

Series 36 - snap-open along both radii

Part No.	Bi [mm]	Ba [mm]	R [mm] Bending Radii
36.1.□.0	75	93	075 100 125
36.2.□.0	115	133	150 200 250
36.3.□.0	175	195	300

Radii for all widths!

Supplement Part No. with required radius. Example: 36.1.100.0
Bending radii listed above can be combined with every chain width!

E2 medium | Series 30-35-36

Pitch = 67 mm Links per m = 15 Chain length = $S/2 + K$

R	075	100	125	150	200	250	300
H/5	215	265	315	365	465	565	665
D	150	200	225	250	300	350	400
K	400	500	650	725	875	1050	1225

The required clearance height is $H_F = H + 40$ mm (with 2,5 kg/m fill weight). Please consult igus® if space is particularly restricted.



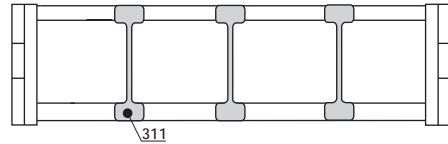
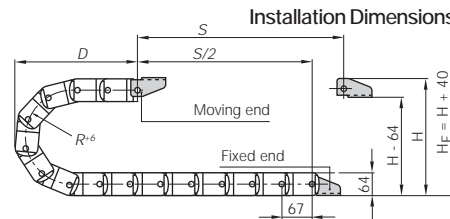
45

E2 medium classic
Inner height: 45 mm

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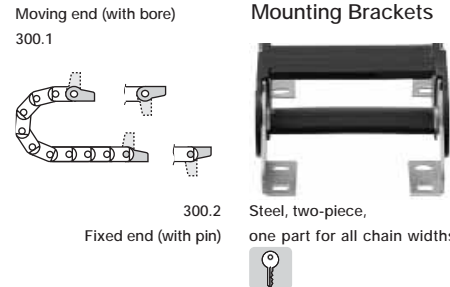
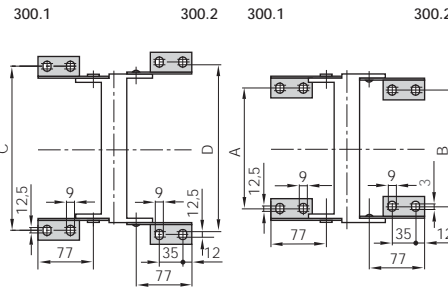


31

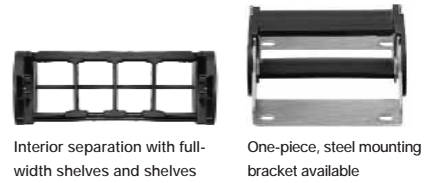


Vertical separator

unassembled	301
assembled	311



For E-Chain®	Part No.	Dim. C [mm]	Dim. D [mm]	Dim. A [mm]	Dim. B [mm]
30/35/36.1. ▶	300.12	111	122	60	54
30/35/36.2. ▶	300.12	151	162	100	94
30/35/36.3. ▶	300.12	212	224	161	155



Additional Features

For more features
▶ see link below



For new constructions:
Series R58 "E2 E-Tubes"
▶ igus.de/en/R58

igus® E-ChainSystems®

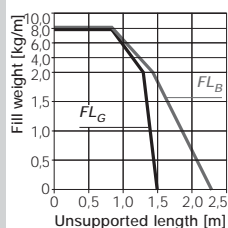
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Fax +49- (0) 22 03-96 49-222

igus® GmbH
51147 Cologne



- 1 Fully enclosed
- 2 Excellent protection for cables and hoses against hot chips
- 3 Small pitch for low-noise, smooth operation
- 4 Interior separation with vertical separators and Full-width shelves
- 5 Removable lids along outer radius
- 6 Proven for high acceleration
- 7 3 options of mounting brackets

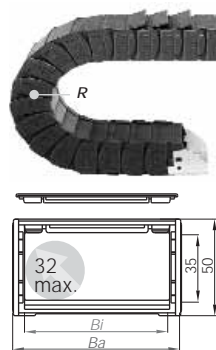
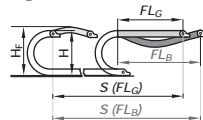
● ● ● Price index



Length of travel S [m]

Unsupported length

FL_G = with straight upper run
 FL_B = with permitted sag



R58 classic - snap-open along outer radius

Part No.	B1[mm]	B2[mm]	R[mm] Bending Radii
58.05. □.0	50	66	075 100 125
58.1. □.0	75	92	150 200 250

Radii for all widths!

Supplement Part No. with required radius. Example: 58.1.100.0
Bending radii listed above can be combined with every tube width!

Part No.	structure
58. 1. 100.0	Color black Bending radius Width Series

Order example 3,0 m complete E-Tube
(indicate tube-lengths or number of links)
3,0 m (90 links) Series 58.1.100.0
+ 2 separators 581 assembled each 2nd link
+ 1 set mounting brackets 581.12



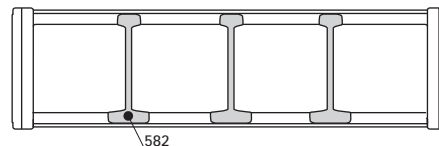
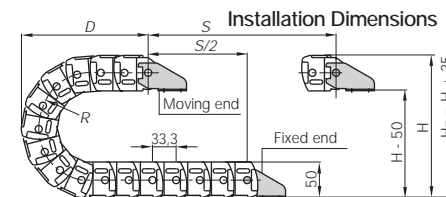
Series R58 classic in the chipping area of machine tools



Pitch = 33,3 mm Links per m = 30 Chain length = $S/2 + K$

R	075	100	125	150	200	250
H	200	250	300	350	450	550
D	150	175	200	225	275	325
K	375	475	550	650	825	925

The required clearance height is $H_F = H + 35$ mm (with 0,5 kg/m fill weight). Please consult igus® if space is particularly restricted.

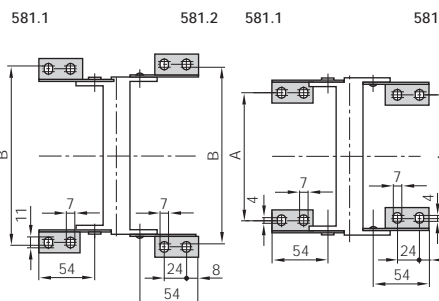
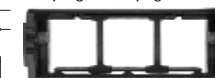


Vertical separator

unassembled	581
assembled	582

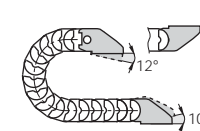
Interior Separation

Full program ▶ page 34



Moving end (with bore)

581.1



Fixed end (with pin)

Mounting Brackets



Steel, two-piece, pivoting - attachment with socket head cap bolt M6 DIN 912-8.8

For E-Chain®	Part No.	Dimension A [mm]	Dimension B [mm]
58.05. ▶	581.12	36,5	84
58.1. ▶	581.12	62	108

The following parts are required for attachment of the mounting brackets:

- Socket head cap bolt M6* DIN 912-8.8 4 pieces/set
- Washer 6,3 DIN 125-ST 8 pieces/set
- Hexagon nut M6 DIN 934-8 4 pieces/set

* The length of the socket head cap bolt is dependent on the thickness of the attachment base.



One-piece, steel mounting bracket, pivoting



Steel mounting bracket, flange, pivoting

Additional Features

For more features ▶ see link below



E2 Tubes classic
Inner height: 35 mm

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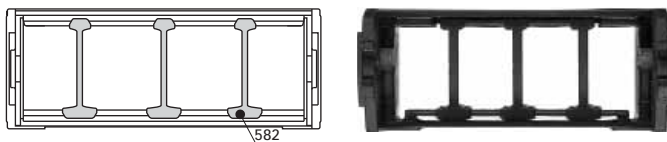


Vertical Separator	
unassembled	581
assembled	582



Option 1: Vertical Separators

Vertical Separators are used if a vertical subdivision of the E-Chain® interior is required -
By standard Vertical Separators are assembled every other E-Chain® link
● Standard subdivision with Vertical Separator 582

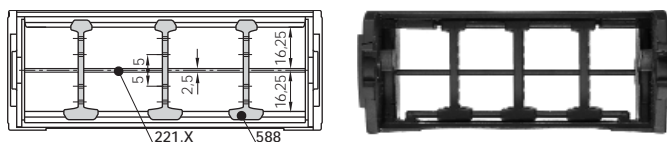


Vert. Separator, slotted	
unassembled	587
assembled	588



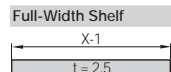
Option 2: Full-Width Shelves

For applications involving many thin cables with similar or identical diameters
● Vertical Separator, slotted 588 can be combined with Full-Width Shelf 221.X



Width X [mm]	Part No. unassembled	Part No. assembled
50	220.50	221.50
75	220.75	221.75
100	220.100	221.100
125	220.125	221.125

Width X [mm]	Part No. unassembled	Part No. assembled
150	220.150	221.150
175	220.175	221.175
200	220.200	221.200

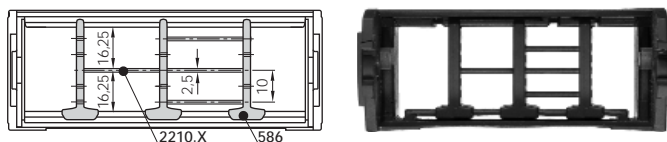


Middle Plate	
unassembled	585
assembled	586



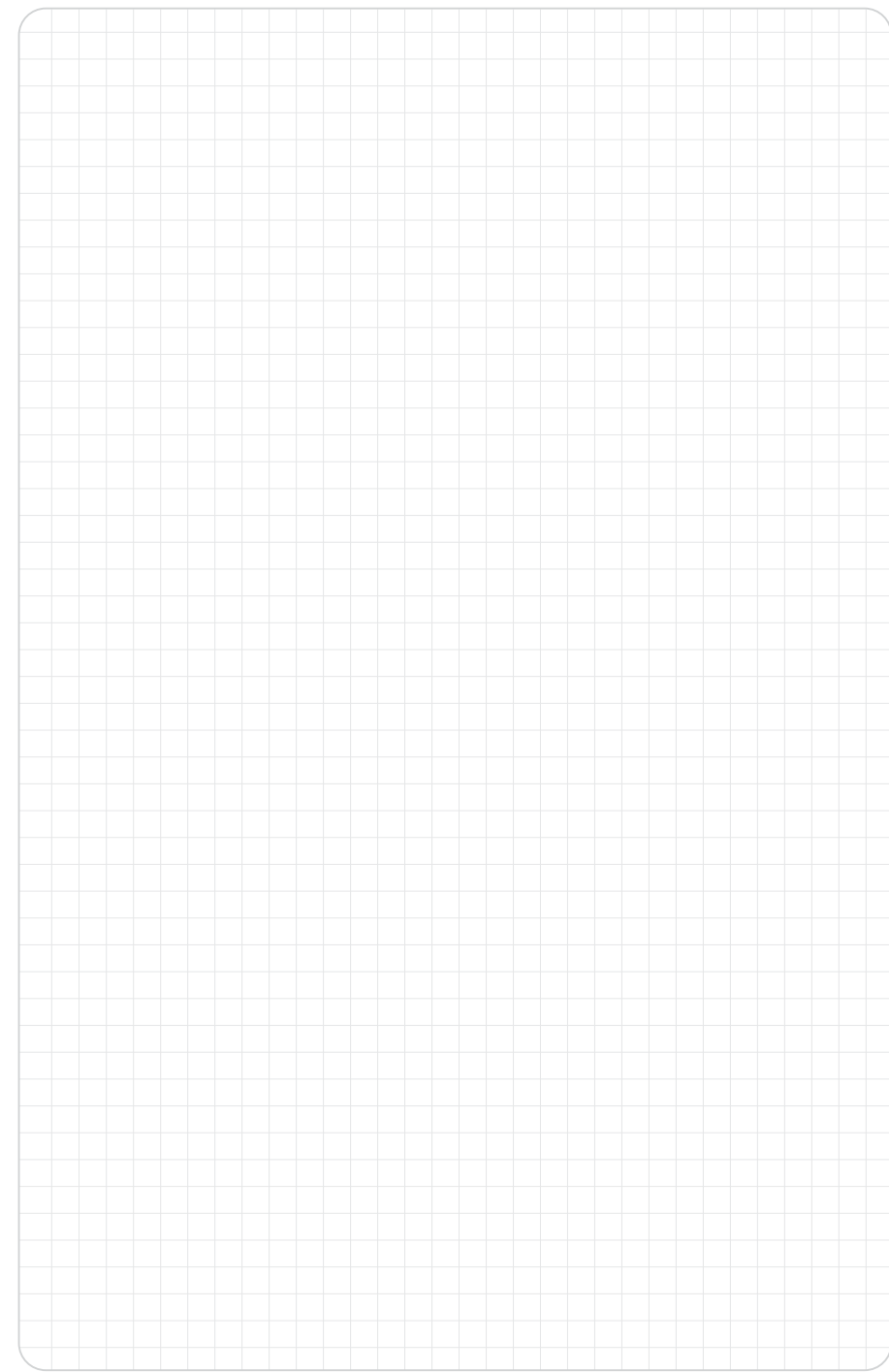
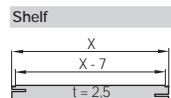
Option 3: Shelves

For applications involving many cables with similar or identical diameters. Partial separation into individual chambers can be achieved and the entire width B/-10 mm can be used
● Shelf 2210.X can be combined with Middle Plate 586



Width X [mm]	Part No. unassembled	Part No. assembled
18	2200.18	2210.18
23	2200.23	2210.23
28	2200.28	2210.28
33	2200.33	2210.33
38	2200.38	2210.38
43	2200.43	2210.43
48	2200.48	2210.48

Width X [mm]	Part No. unassembled	Part No. assembled
58	2200.58	2210.58
68	2200.68	2210.68
73	2200.73	2210.73
88	2200.88	2210.88
99	2200.99	2210.99
124	2200.124	2210.124
149	2200.149	2210.149



For new constructions:
Series R68 "E2 E-Tubes"
▶ igus.de/en/R68

igus® E-ChainSystems®

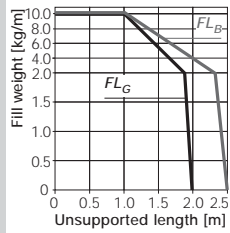


- 1 Fully enclosed
- 2 Excellent protection for cables and hoses against hot chips
- 3 Small pitch for low-noise, smooth operation
- 4 Interior separation with vertical separators and full-width shelves
- 5 Removable lids along outer radius
- 6 3 options of mounting brackets

● ● ● Price index

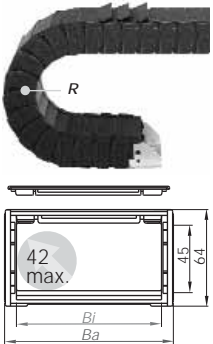
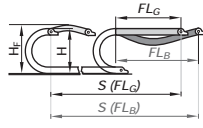
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51147 Cologne



Length of travel S [m]

Unsupported length
FL_G = with straight upper run
FL_B = with permitted sag



R68 classic - snap-open along outer radius

Part No.	B1[mm]	B2[mm]	R[mm] Bending Radii
68.1. □.0	75	93	100 125 150
68.2. □.0	115	133	200 225 250
68.3. □.0	175	196	300

Radii for all widths!

Supplement Part No. with required radius. Example: 68.1.125.0
Bending radii listed above can be combined with every tube width!

Part No. structure

68.	1.	125.0
-----	----	-------

Color black
Bending radius
Width
Series

Order example 3,0 m complete E-Tube
(indicate tube-lengths or number of links)
3,0 m (84 links) Series 68.1.125.0
+ 2 separators 311 assembled each 2nd link
+ 1 set mounting brackets 681.12

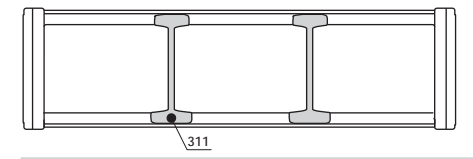
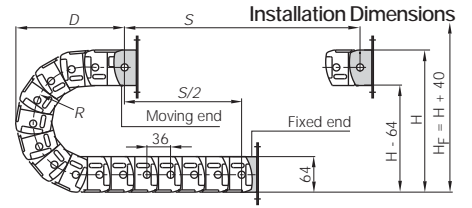


Series R68 classic - fully enclosed E-Tube

Pitch = 36 mm Links per m = 28 Chain length = $S/2 + K$

R	100	125	150	200	225	250	300
H	265	315	365	465	515	565	665
D	200	225	250	300	325	350	400
K	500	650	725	875	975	1050	1225

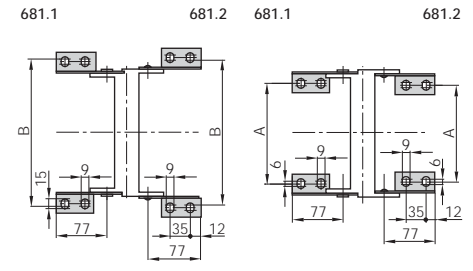
The required clearance height is $H_F = H + 40$ mm (with 2,5 kg/m fill weight). Please consult igus® if space is particularly restricted.



Vertical separator

unassembled	301
assembled	311

Interior Separation
Full program ▶ page 38



Moving end (with bore) 681.1

Fixed end (with pin) 681.2

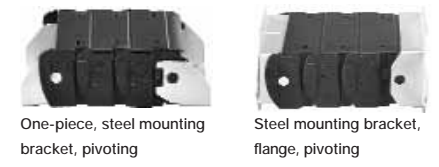
Steel, two-piece, pivoting - attachment with socket head cap bolt M6 DIN 912-8.8

For E-Chain*	Part No. full set	Dimension A [mm]	Dimension B [mm]
68.1.	681.12	60	112
68.2.	681.12	100	152
68.3.	681.12	160	212

The following parts are required for attachment of the mounting brackets:

- Socket head cap bolt M6* DIN 912-8.8 4 pieces/set
- Washer 6,3 DIN 125-ST 8 pieces/set
- Hexagon nut M6 DIN 934-8 4 pieces/set

* The length of the socket head cap bolt is dependent on the thickness of the attachment base.



One-piece, steel mounting bracket, pivoting
Steel mounting bracket, flange, pivoting

Additional Features

For more features ▶ see link below



E2 Tubes classic
Inner height: 45 mm

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Vertical Separator*
unassembled 301
assembled 311
*not suitable for
bending radius = 100



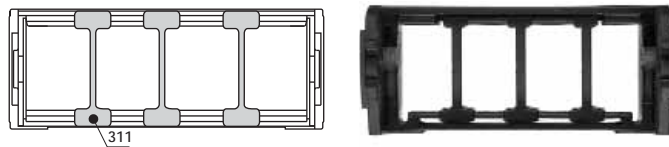
Option 1: Vertical Separators

Vertical Separators are used if a vertical subdivision of the E-Chain® interior is required -

By standard Vertical Separators are assembled every other E-Chain® link

- Standard subdivision with Vertical Separator 311
(if you select bending radius R = 100 please use Vertical Separator 34511)

Vertical Separator, for bending radius R = 100
unassembled 34501
assembled 34511



Vert. Separator, slotted
unassembled 302
assembled 312

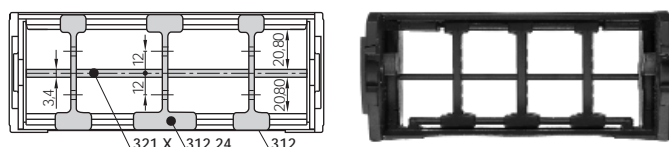


Option 2: Full-Width Shelves

For applications involving many thin cables with similar or identical diameters

- Vertical Separator, slotted 312 or Vertical Separator, slotted 312.24 with wide base can be combined with Full-Width Shelf 221.X

Vert. Separator, slotted 312.24
unassembled 302.24
assembled 312.24



Width X [mm]	Part No. unassembled	Part No. assembled
50	320.050	321.050
75	320.075	321.075
100	320.100	321.100
115	320.115	321.115
125	320.125	321.125

Width X [mm]	Part No. unassembled	Part No. assembled
150	320.150	321.150
175	320.175	321.175
200	320.200	321.200
225	320.225	321.225
250	320.250	321.250

Full-Width Shelf
X-1
t = 3,4

Side Plate
unassembled 303
assembled 313

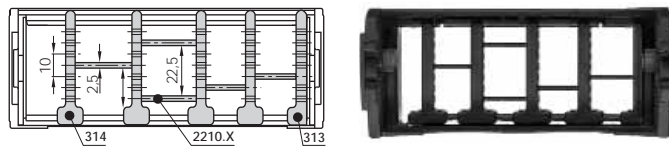


Option 3: Shelves

For applications involving many cables with similar or identical diameters. Partial separation into individual chambers can be achieved and the entire width B-10 mm can be used

- Shelf 2210.X can be combined with Side Plate 313 and Middle Plate 314
- Option 3 "Shelves" can also be combined with option 1 "Vertical Separators"

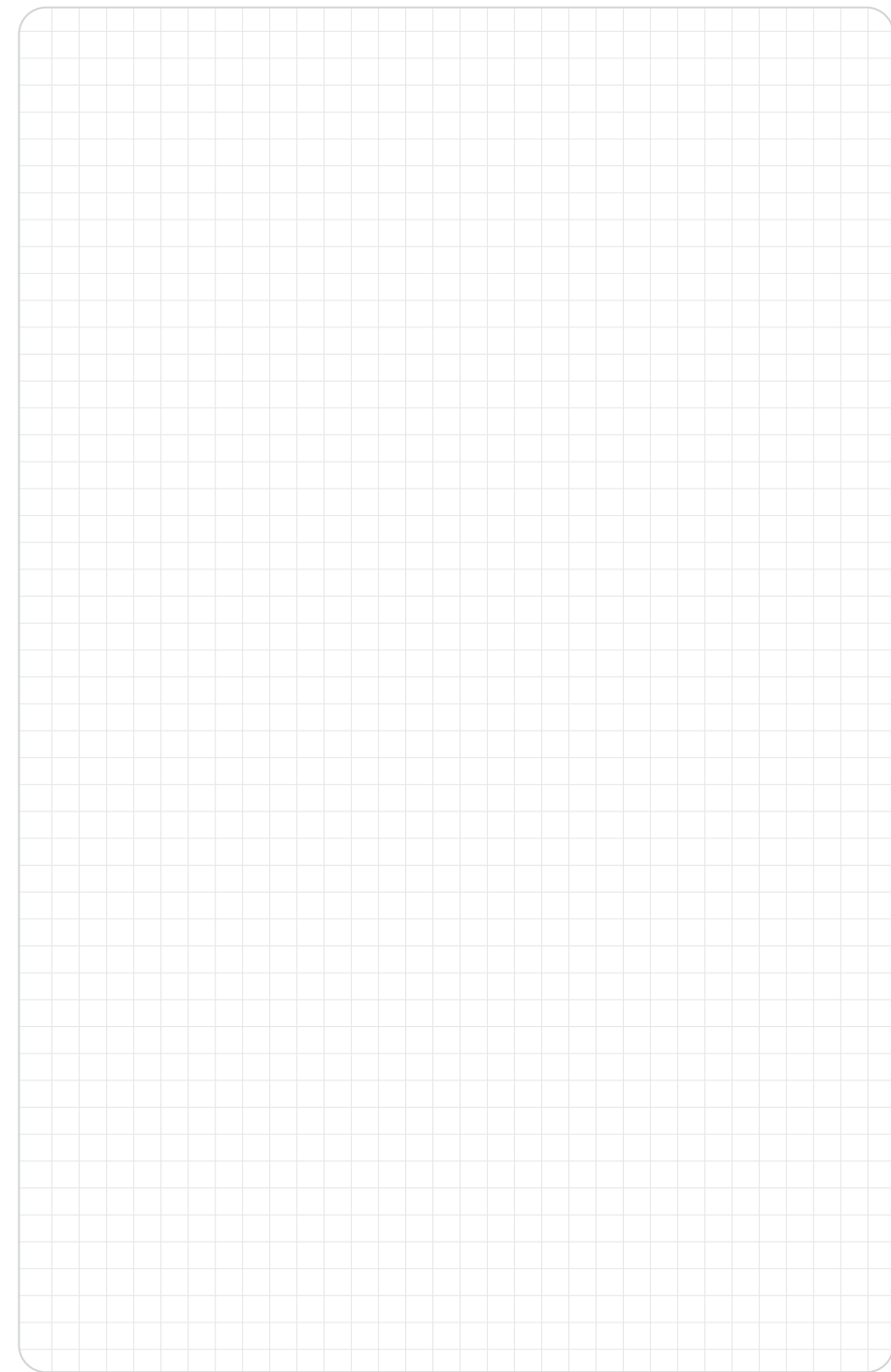
Middle Plate
unassembled 304
assembled 314



Width X [mm]	Part No. unassembled	Part No. assembled
18	2200.18	2210.18
23	2200.23	2210.23
28	2200.28	2210.28
33	2200.33	2210.33
38	2200.38	2210.38
43	2200.43	2210.43
48	2200.48	2210.48

Width X [mm]	Part No. unassembled	Part No. assembled
58	2200.58	2210.58
68	2200.68	2210.68
73	2200.73	2210.73
88	2200.88	2210.88
99	2200.99	2210.99
124	2200.124	2210.124
149	2200.149	2210.149

Shelf
X
X-7
t = 2,5



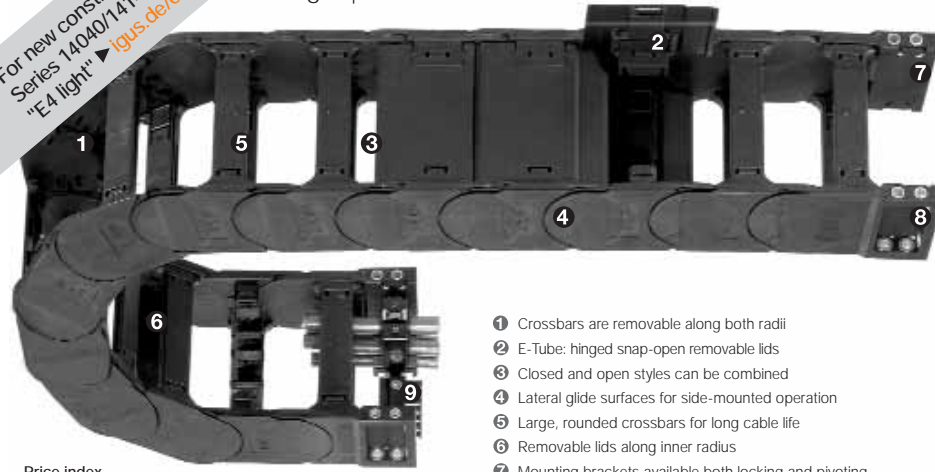
Part No.	structure
140.	30. 300. 0

- Color black
- Bending radius
- Width
- Series

- Order example 5,0 m complete E-Chain® (indicate chain-lengths or number of links)
- 5,0 m (55 links) Series 140.30.300.0
- + 2 separators 411 assembled each 2nd link
- + 1 set mounting brackets with C-profile 1410.30.12.B.C

For new constructions:
Series 140/141/140/R188/40
"E4 light" ▶ igus.de/en/14040

E4/light | Series 140-141-R188



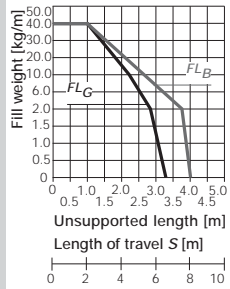
- 1 Crossbars are removable along both radii
- 2 E-Tube: hinged snap-open removable lids
- 3 Closed and open styles can be combined
- 4 Lateral glide surfaces for side-mounted operation
- 5 Large, rounded crossbars for long cable life
- 6 Removable lids along inner radius
- 7 Mounting brackets available both locking and pivoting
- 8 KMA mounting brackets with attachment points on all sides
- 9 Integrated strain relief possible

Price Index

Series 140

Series 141

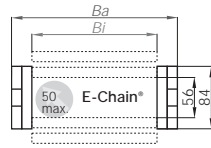
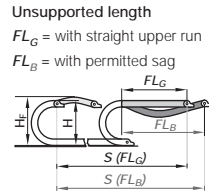
Series R188



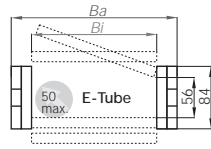
Series 140 crossbars every link



Series 141 crossbars every 2nd link



Series R188 fully enclosed E-Tube



Part No.	Bi [mm]	Ba [mm]	R [mm] Bending Radii
140/141.05.	50	76	135** 150 175
140/141.06.	65	91	200 250 300
140/141/188.07.	75	101	400 500
140/141/188.10.	100	126	
140/141.11.	112	139	
140/141/188.12.	125	151	
140/141.13.	137	164	
140/141/188.15.	150	176	
140/141.16.	162	189	
140/141.17.	175	201	
140/141.18.	187	214	
140/141/188.20.	200	226	
140/141.21.	212	239	
140/141.22.	225	251	
140/141.23.	237	264	
140/141/188.25.	250	276	
140/141.26.	262	289	
140/141.27.	275	301	
140/141.28.	287	314	
140/141/188.30.	300	326	
140/141.31.	312	339	
140/141.32.	325	351	
140/141.33.	337	364	
140/141/188.35.	350	376	
140/141.36.	362	389	
140/141.37.	375	401	
140/141.38.	387	414	
140/141/188.40.	400	426	
140/141.41.	412	439	
140/141.42.	425	451	
140/141.43.	437	464	
140/141.45.	450	476	
140/141/188.46.	462	489	
140/141.47.	475	501	
140/141.48.	487	514	
140/141.50.	500	526	
140/141.51.	512	539	
140/141.52.	525	551	
140/141.53.	537	564	
140/141.55.	550	576	
140/141.60.	600	626	

Radii for all widths!

* Removable lid only, no hinged option

** Not available for R188

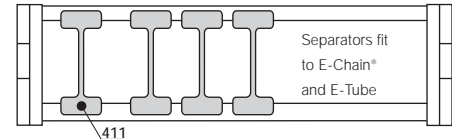
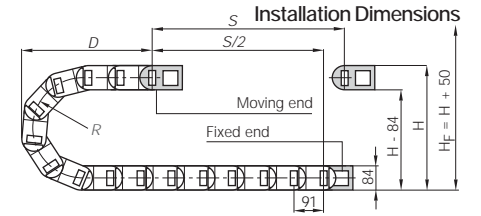
Supplement Part No. with required radius. Example: 140.30.[300].0
Bending radii listed above can be combined with every tube width!

E4/light | Series 140-141-R188

Pitch = 91 mm Links per m = 11 Chain length = S/2 + K

R	135	150	175	200	250	300	400	500
H _F ²⁵	360	385	435	485	585	685	885	1085
D	270	285	310	335	385	435	535	635
K	650	750	825	900	1050	1225	1450	1775

The required clearance height is H_F = H + 50 mm (with 2,0 kg/m fill weight). Please consult igus® if space is particularly restricted.

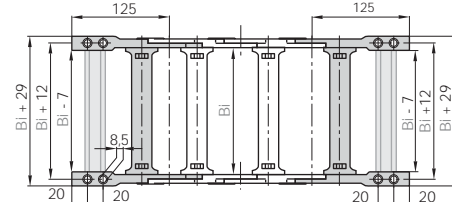


Interior Separation Full program ▶ page 42

Vertical separator

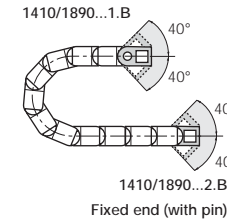
unassembled	401
assembled	411

1410/1890...1.B Moving end



1410/1890...2.B Fixed end

Moving end (with bore) 1410/1890...1.B

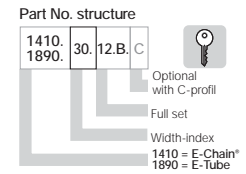
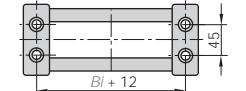


Mounting Brackets

KMA pivoting - attachment with socket head cap bolt M8 DIN 912-8.8

For E-Chain* width-index	Part No. optional with C-profile	full set	Bi [mm]
.05.	1410	.05.12.B.C	50
.06.	1410	.06.12.B.C	65
.07.	1410/1890	.07.12.B.C	75
.10.	1410/1890	.10.12.B.C	100
.11.	1410	.11.12.B.C	112
.12.	1410/1890	.12.12.B.C	125
.13.	1410	.13.12.B.C	137
.16.	1410	.16.12.B.C	162
.17.	1410	.17.12.B.C	175
.18.	1410	.18.12.B.C	187
.20.	1410/1890	.20.12.B.C	200
.21.	1410	.21.12.B.C	212
.22.	1410	.22.12.B.C	225
.23.	1410	.23.12.B.C	237
.25.	1410/1890	.25.12.B.C	250
.26.	1410	.26.12.B.C	262
.27.	1410	.27.12.B.C	275
.28.	1410	.28.12.B.C	287
.30.	1410/1890	.30.12.B.C	300
.31.	1410	.31.12.B.C	312

For E-Chain* width-index	Part No. optional with C-profile	full set	Bi [mm]
.32.	1410	.32.12.B.C	325
.33.	1410	.33.12.B.C	337
.35.	1410/1890	.35.12.B.C	350
.36.	1410	.36.12.B.C	362
.37.	1410	.37.12.B.C	375
.38.	1410	.38.12.B.C	387
.40.	1410/1890	.40.12.B.C	400
.41.	1410	.41.12.B.C	412
.42.	1410	.42.12.B.C	425
.43.	1410	.43.12.B.C	437
.45.	1410	.45.12.B.C	450
.46.	1410/1890	.46.12.B.C	462
.47.	1410	.47.12.B.C	475
.48.	1410	.48.12.B.C	487
.50.	1410	.50.12.B.C	500
.51.	1410	.51.12.B.C	512
.52.	1410	.52.12.B.C	525
.53.	1410	.53.12.B.C	537
.55.	1410	.55.12.B.C	550
.60.	1410	.60.12.B.C	600



- Full set, for both ends:
- 1410.30.[12.B.]
- Single-part order:
- 1410.30.[1.B.]
- Mounting bracket with bore
- 1410.30.[2.B.]
- Mounting bracket with pin



Extension links for very large E-Chains®



Hinged crossbars for side-mounted E-Chains®



KMA mounting brackets, locking

Additional Features

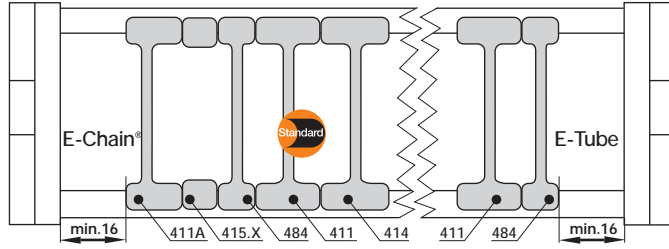
For more features ▶ see link below www.igus.de





Option 1

- Vertical separators
- Spacers
- Locking separators
- Asymmetric separators



Vertical separator
401



Vertical separator
483



Spacer
405.10



Spacer
405.15



Spacer
405.20



Spacer
405.30



Spacer
405.40

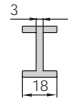


Locking separator
404

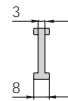


Asymmetric
separator 401A

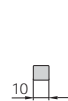
Vertical separator for E-Chains®/E-Tubes	
unassembled	401
assembled	411



Vertical separator for E-Chains®/E-Tubes	
unassembled	483
assembled	484



Spacer*	
for E-Chains®	
unassembled	405.10
assembled	415.10



Spacer*	
for E-Chains®	
unassembled	405.15
assembled	415.15



Spacer*	
for E-Chains®	
unassembled	405.20
assembled	415.20



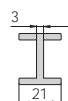
Spacer*	
for E-Chains®	
unassembled	405.30
assembled	415.30



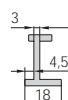
Spacer*	
for E-Chains®	
unassembled	405.40
assembled	415.40



Locking separator for E-Chains®	
unassembled	404
assembled	414



Asymmetric separator*	
for E-Chains®	
unassembled	401A
assembled	411A



*For side-mounted applications

Option 1: Vertical separators and spacers

Vertical separators are used if a vertical subdivision of the E-Chain® interior is required - By standard vertical separators are assembled every other E-Chain® link. **Note:** Observe a lateral spacing of at least 16 mm!

● **Standard separator 401** for E-Chains® and E-Tubes offers safe stability due to its wide base design, also when used with thick cables or hoses.

● **Vertical separator 483 with a narrow base** for E-Chains® and E-Tubes with applications where a large number of small cables need to be individually separated.

● Vertical separators in side-mounted applications, for instance, can be fixed in position by means of **spacer 405.X** for E-Chains®. A wide range of intervals between the vertical separators is adjustable here.

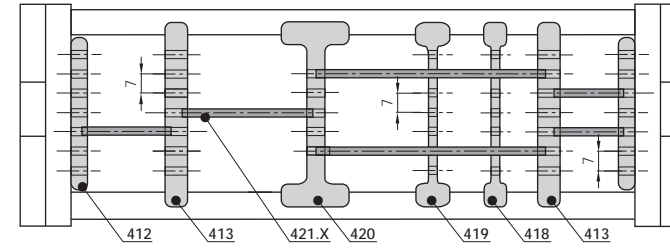
● **Note on spacers:** The available interior height is reduced by 2 mm per spacer (4 mm when spacers are fitted on both sides). To avoid this, the parts can also be installed from the outside on the opening crossbar.

Additionally:

● **Locking separator for E-Chains® 404** - with increased retention force for applications exposed to very high humidity or extreme loads. The extra retention force is achieved by asymmetric claws for the crossbar. Ensure proper alignment.

● **Locking separator 406** for E4-Tubes - safe fitting locked on lid or bottom of the Tube and sideways slideable. The opposing lid or bottom can easily be opened and closed. Especially capable if many separators need to be assembled on a tight inner width. **Art. Nr. not assembled 406 - Art. Nr. assembled 416.** For illustration, refer to vertical separator 404.

● **Asymmetric separator 401A** for E-Chains® (not for E-Tubes) with an 18-mm base, for combinations between spacers of different widths and vertical separators in side-mounted applications, for instance.



Option 2

- Side plates
- Middle plates
- Locking vertical separators
- Slotted separators
- Open slotted separators

Option 2: Shelves

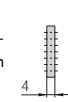
For applications involving many cables with different diameters. The shelves can be arranged elevator-shifted with different bottoms.

● Side plates 402, middle plates 403 and shelves 420.X form the basic pattern of a shelf system. Shelves of various widths can be arranged at 7 different heights (in 7 mm increments).

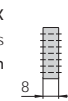
● **Locking vertical separator 410**, slotted combined with shelves.

● **Slotted separators 408** are used for very fine subdivisions. However, they cannot be retrofitted into an existing separation system without dismantling the interior separators first.

● The unilateral **open slotted separator 409** can be retrofitted into an existing interior separation system without a need for dismantling the interior separators. During an installation of open slotted separators, the top and bottom notches cannot be occupied by shelves.



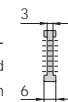
Side plate for E-Chains®/E-Tubes	
unassembled	402
assembled	412



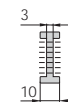
Middle plate for E-Chains®/E-Tubes	
unassembled	403
assembled	413



Locking vertical separator for E-Chains®/E-Tubes	
unassembled	410
assembled	420



Slotted separator for E-Chains®/E-Tubes	
unassembled	408
assembled	418



Open slotted separator for E-Chains®/E-Tubes	
unassembled	409
assembled	419

Width X [mm]	Part No. unassembled	Part No. assembled
18	420.18	421.18
23	420.23	421.23
25	420.25	421.25
28	420.28	421.28
33	420.33	421.33
43	420.43	421.43
50	420.50	421.50
62	420.62	421.62

Width X [mm]	Part No. unassembled	Part No. assembled
75	420.75	421.75
88	420.88	421.88
100	420.100	421.100
125	420.125	421.125
150	420.150	421.150
175	420.175	421.175
187	420.187	421.187
200	420.200	421.200



Side plate
402



Middle plate
403



Locking vertical
separator
410



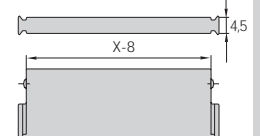
Slotted
separator
408



Open slotted
separator
409



Shelf 420.X



Additional elements for interior separation



Center crossbar	
unassembled	405
assembled	415



Rollclip	
unassembled	489.27
assembled	490.27



Roller separator	
unassembled	429
assembled	430

Center crossbar - was developed for applications with a large number of thin cables. The center crossbar offers the option of subdividing the E-Chain® independently into upper and lower halves.

Rollclip - minimizes abrasion of particularly sensitive hoses. The Rollclip is simply clamped onto the opening crossbar. The movable rollers compensate for relative movement between the chain and hose.

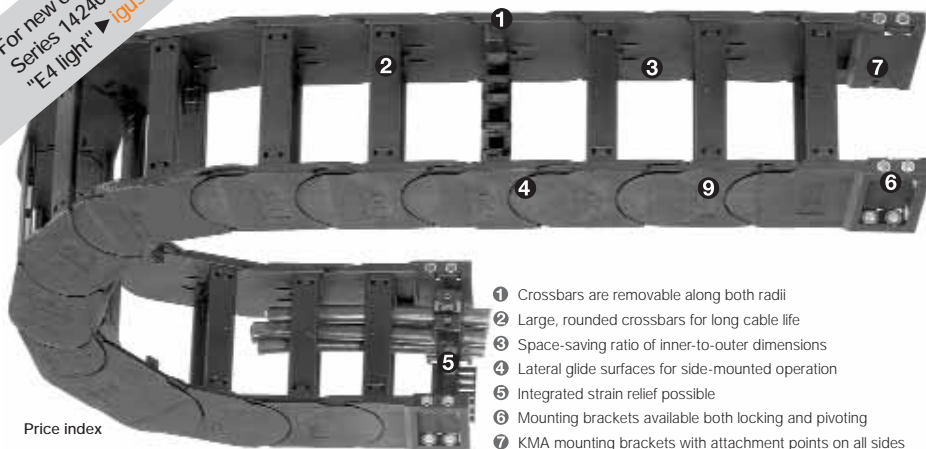
Roller separator - performs a similar function to the Rollclip, but doubles as a separator.



For new constructions:
Series 142/40/143/40
"E4 light" ▶ igus.de/en/14240

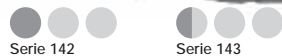
E4/light | Series 142-143

62



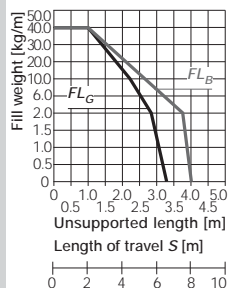
- 1 Crossbars are removable along both radii
- 2 Large, rounded crossbars for long cable life
- 3 Space-saving ratio of inner-to-outer dimensions
- 4 Lateral glide surfaces for side-mounted operation
- 5 Integrated strain relief possible
- 6 Mounting brackets available both locking and pivoting
- 7 KMA mounting brackets with attachment points on all sides

Price index

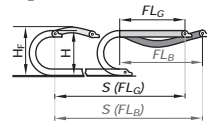


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Fax +49- (0) 22 03-96 49-222

igus® GmbH
51147 Cologne



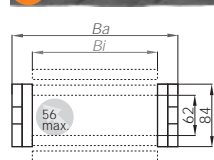
Ununsupported length
 FL_G = with straight upper run
 FL_B = with permitted sag



Series 142
crossbars every link



Series 143
crossbars every 2nd link



Part No.	B_i [mm]	B_a [mm]	R [mm] Bending Radii
142/143.05.	50	76	135 150 175
142/143.06.	68	94	200 250 300
142/143.07.	75	101	400 500
142/143.087.	87	114	
142/143.10.	100	126	Radii for all widths!
142/143.11.	108	134	
142/143.112.	112	139	
142/143.12.	125	151	
142/143.137.	137	164	
142/143.15.	150	176	
142/143.162.	162	189	
142/143.17.	168	194	
142/143.18.	175	201	
142/143.187.	187	214	
142/143.20.	200	226	
142/143.212.	212	239	
142/143.23.	225	251	
142/143.237.	237	264	
142/143.25.	250	276	
142/143.262.	262	289	
142/143.28.	275	301	
142/143.29.	287	314	
142/143.30.	300	326	
142/143.312.	312	339	
142/143.325.	325	351	
142/143.337.	337	364	
142/143.350.	350	376	
142/143.362.	362	389	
142/143.375.	375	401	
142/143.387.	387	414	
142/143.400.	400	426	

Supplement Part No. with required radius. Example: 143.30.300.0
Bending radii listed above can be combined with every chain width!

Part No. structure

142.	30.	300.	0
------	-----	------	---

Color: black
Bending radius: []
Width: []
Series: []

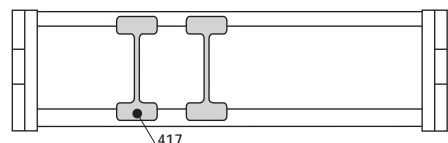
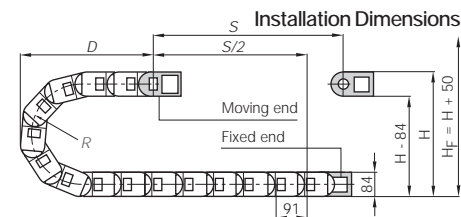
Order example 6,0 m complete E-Chain®
(indicate chain-lengths or number of links)
6,0 m (66 links) Serie 142.30.300.0
+ 2 separators 417 assembled each 2nd link
+ 1 set mounting brackets with C-profile 1430.30.12.B.C

E4/light | Series 142-143

Pitch = 91 mm Links per m = 11 Chain length = $S/2 + K$

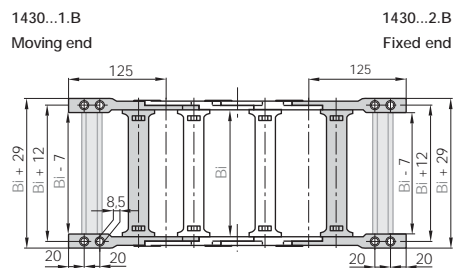
R	135	150	175	200	250	300	400	500
H_{25}	360	385	435	485	585	685	885	1085
D	270	285	310	335	385	435	535	635
K	650	750	825	900	1050	1225	1450	1775

The required clearance height is $H_F = H + 50$ mm (with 2,0 kg/m fill weight). Please consult igus® if space is particularly restricted.



Standard
Vertical separator
unassembled 407
assembled 417

Interior Separation
Full program ▶ page 46



Moving end (with bore) 1430...1.B
Fixed end (with pin) 1430...2.B

Mounting Brackets
KMA pivoting - attachment with socket head cap bolt M8 DIN 912-8.8

For E-Chain® Part No. full set	B_i [mm]	For E-Chain® Part No. full set	B_i [mm]
.05. ▶ 1430.05 .12.B. [C]	50	.23. ▶ 1430.23 .12.B. [C]	225
.06. ▶ 1430.06 .12.B. [C]	68	.237. ▶ 1430.237.12.B. [C]	237
.07. ▶ 1430.07 .12.B. [C]	75	.25. ▶ 1430.25 .12.B. [C]	250
.087. ▶ 1430.087.12.B. [C]	87	.262. ▶ 1430.262.12.B. [C]	262
.10. ▶ 1430.10 .12.B. [C]	100	.28. ▶ 1430.28 .12.B. [C]	275
.11. ▶ 1430.11 .12.B. [C]	108	.29. ▶ 1430.29 .12.B. [C]	287
.112. ▶ 1430.112.12.B. [C]	112	.30. ▶ 1430.30 .12.B. [C]	300
.12. ▶ 1430.12 .12.B. [C]	125	.312. ▶ 1430.312.12.B. [C]	312
.137. ▶ 1430.137.12.B. [C]	137	.325. ▶ 1430.325.12.B. [C]	325
.15. ▶ 1430.15 .12.B. [C]	150	.337. ▶ 1430.337.12.B. [C]	337
.162. ▶ 1430.162.12.B. [C]	162	.350. ▶ 1430.350.12.B. [C]	350
.17. ▶ 1430.17 .12.B. [C]	168	.362. ▶ 1430.362.12.B. [C]	362
.18. ▶ 1430.18 .12.B. [C]	175	.375. ▶ 1430.375.12.B. [C]	375
.187. ▶ 1430.187.12.B. [C]	187	.387. ▶ 1430.387.12.B. [C]	387
.20. ▶ 1430.20 .12.B. [C]	200	.400. ▶ 1430.400.12.B. [C]	400
.212. ▶ 1430.212.12.B. [C]	212		

Part No. structure

1430.	05.	12.B.	C
-------	-----	-------	---

Optional with C-profile Full set
Width-index E-Chain®

Full set, for both ends:
1430.50.12.B.

Single-part order:
1430.50.1.B.
1430.50.2.B.

Mounting bracket with bore
1430.50.2.B.

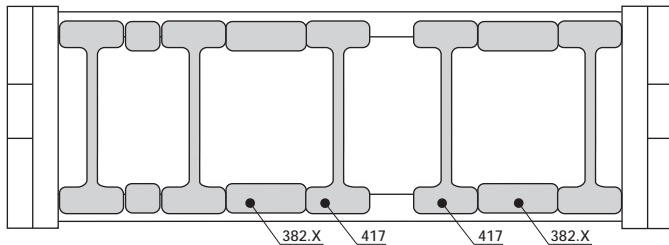
Mounting bracket with pin

Extender crossbars for large hoses
KMA mounting brackets, locking

Additional Features
For more features ▶ see link below
www.igus.de



- Option 1**
- Vertical separators
 - Spacers



Option 1: Vertical separators and spacers

Vertical separators are used if a vertical subdivision of the E-Chain® interior is required - By standard vertical separators are assembled every other E-Chain® link.

Vertical separator for E-Chains®	2,5
unassembled	407
assembled	417

Spacer* for E-Chains®	10
unassembled	381.10
assembled	382.10

Spacer* for E-Chains®	15
unassembled	381.15
assembled	382.15

Spacer* for E-Chains®	20
unassembled	381.20
assembled	382.20

*For side-mounted applications

- Standard separator 407 for E-Chains® offers safe stability due to its wide base design, also when used with thick cables or hoses.

- Vertical separators in side-mounted applications, for instance, can be fixed in position by means of spacer 381.X for E-Chains®. A wide range of intervals between the vertical separators is adjustable here.

- Note on spacers: The available interior height is reduced by 2 mm per spacer (4 mm when spacers are fitted on both sides). To avoid this, the parts can also be installed from the outside on the opening crossbar.

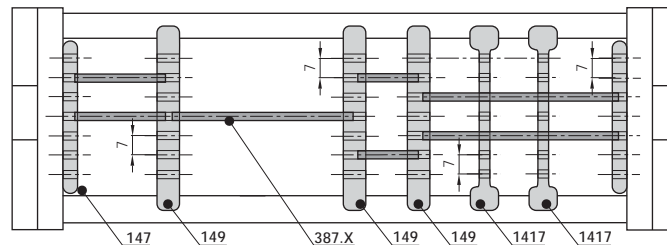


E4/light E-Tubes protect tubes and hoses safely against dirt and chips

Phone +49- (0) 22 03-96 49-800
Fax +49- (0) 22 03-96 49-222

igus® GmbH
51147 Cologne

Internet: www.igus.eu
E-mail: info@igus.de



- Option 2**
- Side plates
 - Middle plates
 - Slotted separators

Option 2: Shelves

For applications involving many cables with different diameters. The shelves can be arranged elevator-shifted with different bottoms.

- Side plates 146, middle plates 148 and shelves 386.X form the basic pattern of a shelf system. Shelves of various widths can be arranged at 7 different heights (in 7 mm increments).

- Slotted separators 1407 are used for very fine subdivisions. However, they cannot be retrofitted into an existing separation system without dismantling the interior separators first.

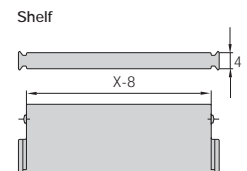
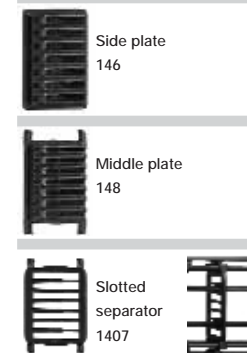
Width X [mm]	Part No. unassembled	Part No. assembled
18	386.18	387.18
23	386.23	387.23
25	386.25	387.25
28	386.28	387.28
33	386.33	387.33
43	386.43	387.43
50	386.50	387.50
54	386.54	387.54
62	386.62	387.62

Side plate for E-Chains®	4
unassembled	146
assembled	147

Middle plate for E-Chains®	8
unassembled	148
assembled	149

Slotted separator for E-Chains®	3
unassembled	1407
assembled	1417

Width X [mm]	Part No. unassembled	Part No. assembled
75	386.75	387.75
87	386.87	387.87
100	386.100	387.100
108	386.108	387.108
125	386.125	387.125
150	386.150	387.150
175	386.175	387.175
200	386.200	387.200
208	386.208	387.208

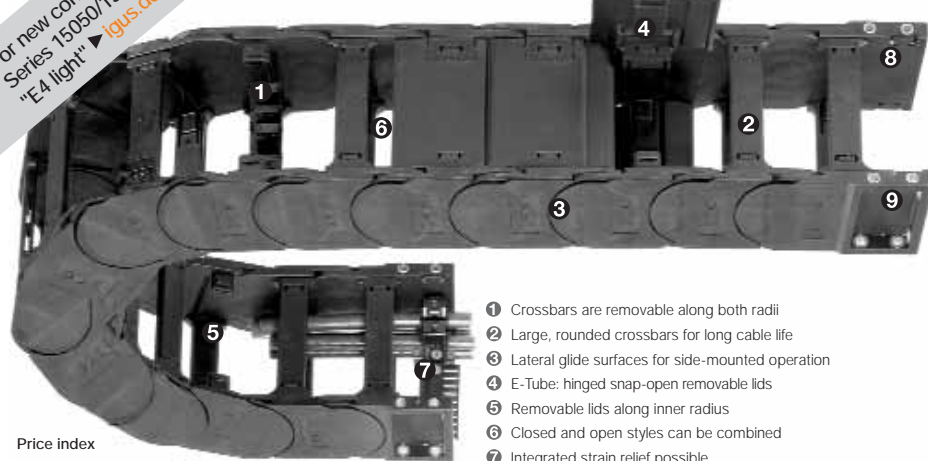


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Fax +49- (0) 22 03-96 49-222



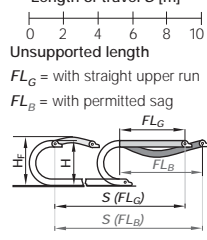
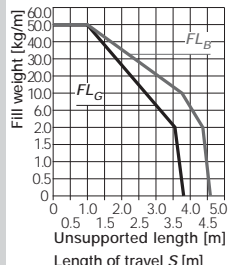
For new constructions:
Series 150/151/150/R198/50
"E4/light" ▶ igus.de/en/15050

E4/light | Series 150·151·R198

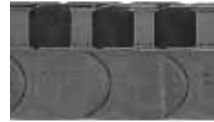


- 1 Crossbars are removable along both radii
- 2 Large, rounded crossbars for long cable life
- 3 Lateral glide surfaces for side-mounted operation
- 4 E-Tube: hinged snap-open removable lids
- 5 Removable lids along inner radius
- 6 Closed and open styles can be combined
- 7 Integrated strain relief possible
- 8 Mounting brackets available both locking and pivoting
- 9 KMA mounting brackets with attachment points on all sides

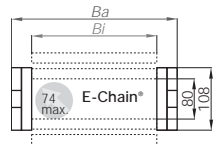
Price index



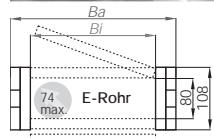
Series 150
crossbars every link



Series 151
crossbars every 2nd link



Series R198
fully enclosed E-Tube



Part No.	Bi (mm)	Ba (mm)	R [mm] Bending Radii
150/151.05.	50	80	150** 200 250
150/151.06.	60	90	300 350 400
150/151/198.07.	75	105	500
150/151/198.10.	100	130	
150/151.11.	112	143	
150/151/198.12.	125	155	
150/151.13.	137	168	
150/151/198.15.	150	180	
150/151.16.	162	193	
150/151.17.	175	205	
150/151.18.	187	218	
150/151/198.20.	200	230	
150/151.21.	212	243	
150/151.22.	225	255	
150/151.23.	237	268	
150/151/198.25.	250	280	
150/151.26.	262	293	
150/151/198.27.	275	305	
150/151.28.	287	318	
150/151/198.30.	300	330	
150/151.31.	312	343	
150/151.32.	325	355	
150/151.33.	337	368	
150/151/198.35.	350	380	
150/151.36.	362	393	
150/151.37.	375	405	
150/151.38.	387	418	
150/151/198.40.	400	430	
150/151.41.	412	443	
150/151.42.	425	455	
150/151.43.	437	468	
150/151.45.	450	480	
150/151/198.46.	462	493	
150/151.47.	475	505	
150/151.48.	487	518	
150/151.50.	500	530	
150/151.51.	512	543	
150/151.52.	525	555	
150/151.53.	537	568	
150/151.55.	550	580	
150/151.60.	600	630	

* Removable lid only, no hinged option
** Not available for R198

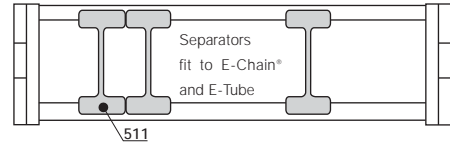
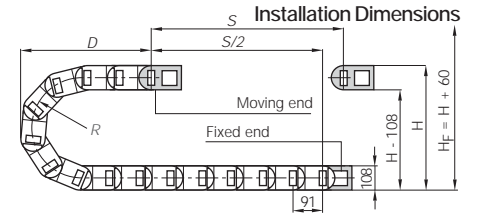
Supplement Part No. with required radius. Example: 150.30.300.0
Bending radii listed above can be combined with every chain width!

E4/light | Series 150·151·R198

Pitch = 91 mm Links per m = 11 Chain length = $S/2 + K$

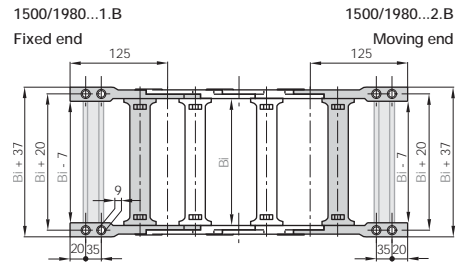
R	150	200	250	300	350	400	500
H ²⁵	410	510	610	710	810	910	1110
D	300	350	400	450	500	550	650
K	750	900	1050	1225	1375	1450	1675

The required clearance height is $H_F = H + 60$ mm (with 3,0 kg/m fill weight). Please consult igus® if space is particularly restricted.



Interior Separation
Full program ▶ page 50

Vertical separator
unassembled 501
assembled 511



Mounting Brackets

1500/1980...1.B
Moving end (with bore)

1500/1980...2.B
Fixed end (with pin)

KMA pivoting - attachment with socket head cap bolt M8 DIN 912-8.8

For E-Chain* Part No. full set width-index optional with C-profile

Part No.	full set	Bi [mm]
.05.	1500 .05.12.B.C	50
.06.	1500/1980.06.12.B.C	65
.07.	1500/1980.07.12.B.C	75
.10.	1500/1980.10.12.B.C	100
.11.	1500 .11.12.B.C	112
.12.	1500/1980.12.12.B.C	125
.13.	1500 .13.12.B.C	137
.15.	1500/1980.15.12.B.C	150
.16.	1500 .16.12.B.C	162
.17.	1500 .17.12.B.C	175
.18.	1500 .18.12.B.C	187
.20.	1500/1980.20.12.B.C	200
.21.	1500 .21.12.B.C	212
.22.	1500 .22.12.B.C	225
.23.	1500 .23.12.B.C	237
.25.	1500/1980.25.12.B.C	250
.26.	1500 .26.12.B.C	262
.27.	1500/1980.27.12.B.C	275
.28.	1500 .28.12.B.C	287
.30.	1500/1980.30.12.B.C	300
.31.	1500 .31.12.B.C	312

For E-Chain* Part No. full set width-index optional with C-profile

Part No.	full set	Bi [mm]
.32.	1500 .32.12.B.C	325
.33.	1500 .33.12.B.C	337
.35.	1500/1980.35.12.B.C	350
.36.	1500 .36.12.B.C	362
.37.	1500 .37.12.B.C	375
.38.	1500 .38.12.B.C	387
.40.	1500/1980.40.12.B.C	400
.41.	1500 .41.12.B.C	412
.42.	1500 .42.12.B.C	425
.43.	1500 .43.12.B.C	437
.45.	1500 .45.12.B.C	450
.46.	1500/1980.46.12.B.C	462
.47.	1500 .47.12.B.C	475
.48.	1500 .48.12.B.C	487
.50.	1500 .50.12.B.C	500
.51.	1500 .51.12.B.C	512
.52.	1500 .52.12.B.C	525
.53.	1500 .53.12.B.C	537
.55.	1500 .55.12.B.C	550
.60.	1500 .60.12.B.C	600

Part No. structure

1500.1980.05.12.B.C

Optional with C-profile
Full set
Width-index
1500 = E-Chain*
1980 = E-Tube

Full set, for both ends:
1500.05.12.B.

Single-part order:
1500.05.1.B.

Mounting bracket with bore
1500.05.2.B.

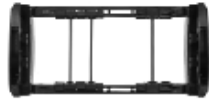
Mounting bracket with pin

Additional Features

For more features ▶ see link below www.igus.de

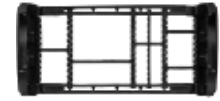
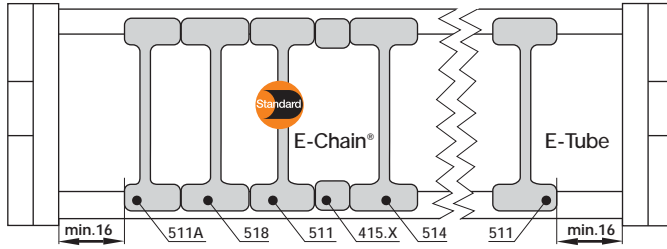
- Various interior separation possible
- Extender crossbars for large hoses
- KMA mounting brackets, locking
- Steel mounting brackets, locking





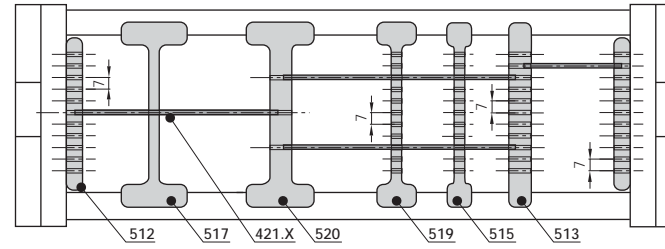
Option 1

- Vertical separators
- Spacers
- Locking separators
- Asymmetric separators



Option 2

- Side plates
- Middle plates
- Locking vertical separators
- Locking separators
- Slotted separators
- Open slotted separators



Option 2: Shelves

For applications involving many cables with different diameters. The shelves can be arranged elevator-shifted with different bottoms.

- Side plates 502, middle plates 503 and shelves 420.X form the basic pattern of a shelf system. Shelves of various widths can be arranged at 11 different heights (in 7 mm increments).
- Locking vertical separator 510 combined with shelves. Triple slots.
- Locking separator 507 slotted - with increased retention force for applications exposed to very high humidity or extreme loads. The extra retention force is achieved by asymmetric claws for the crossbar. Ensure proper alignment.
- Slotted separators 505 are used for very fine subdivisions. However, they cannot be retrofitted into an existing separation system without dismantling the interior separators first.
- The unilateral open slotted separator 509 can be retrofitted into an existing interior separation system without a need for dismantling the interior separators. During an installation of open slotted separators, the top and bottom notches cannot be occupied by shelves.



Side plate for E-Chains®/E-Tubes	Part No.
unassembled	502
assembled	512



Middle plate for E-Chains®/E-Tubes	Part No.
unassembled	503
assembled	513



Locking vertical separator for E-Chains®/E-Tubes	Part No.
unassembled	510
assembled	520



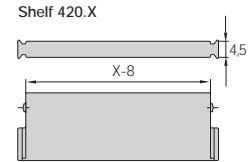
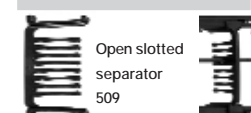
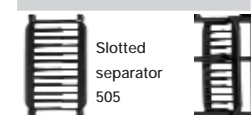
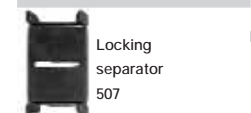
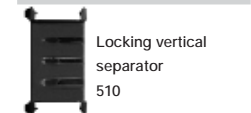
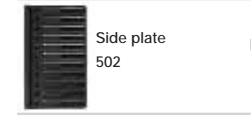
Locking separator for E-Chains®	Part No.
unassembled	507
assembled	517



Slotted separator for E-Chains®/E-Tubes	Part No.
unassembled	505
assembled	515



Open slotted separator for E-Chains®/E-Tubes	Part No.
unassembled	509
assembled	519



Vertical separator for E-Chains®/E-Tubes	Part No.
unassembled	501
assembled	511



Option 1: Vertical separators and spacers

Vertical separators are used if a vertical subdivision of the E-Chain® interior is required - By standard vertical separators are assembled every other E-Chain® link. **Note:** Observe a lateral spacing of at least 16 mm!

- Standard separator 501 for E-Chains® and E-Tubes offers safe stability due to its wide base design, also when used with thick cables or hoses.

- Vertical separators in side-mounted applications, for instance, can be fixed in position by means of spacer 405.X for E-Chains®. A wide range of intervals between the vertical separators is adjustable here.

- **Note on spacers:** The available interior height is reduced by 2 mm per spacer (4 mm when spacers are fitted on both sides). To avoid this, the parts can also be installed from the outside on the opening crossbar.

Spacer* for E-Chains®	Part No.
unassembled	405.10
assembled	415.10



Spacer* for E-Chains®	Part No.
unassembled	405.15
assembled	415.15



Spacer* for E-Chains®	Part No.
unassembled	405.20
assembled	415.20



Spacer* for E-Chains®	Part No.
unassembled	405.30
assembled	415.30



Spacer* for E-Chains®	Part No.
unassembled	405.40
assembled	415.40



Locking separator for E-Chains®	Part No.
unassembled	504
assembled	514



Locking separator for E-Chains®	Part No.
unassembled	508
assembled	518



Asymmetric separator* for E-Chains®	Part No.
unassembled	501A
assembled	511A



*For side-mounted applications

Additionally:

- Locking separator for E-Chains® 504- with increased retention force for applications exposed to very high humidity or extreme loads. If locking separators are used, the E-Chain® is more difficult to open.

- The Locking separator for E-Chains® 508 is designed for applications exposed to extremely high humidity, for example, at composting plants. The lateral cam serves for uniform alignment of the vertical separators; if these separators are misaligned, they will inevitably get damaged on an attempt to open the E-Chain®.

- Asymmetric separator 501A for E-Chains® (not for E-Tubes) with an 18-mm base, for combinations between spacers of different widths and vertical separators in side-mounted applications, for instance.

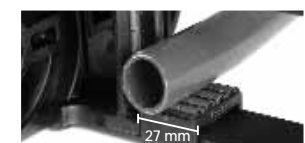
Width X [mm]	Part No. unassembled	Part No. assembled
18	420.18	421.18
23	420.23	421.23
25	420.25	421.25
28	420.28	421.28
33	420.33	421.33
43	420.43	421.43
50	420.50	421.50
62	420.62	421.62

Width X [mm]	Part No. unassembled	Part No. assembled
75	420.75	421.75
88	420.88	421.88
100	420.100	421.100
125	420.125	421.125
150	420.150	421.150
175	420.175	421.175
187	420.187	421.187
200	420.200	421.200

Additional elements for interior separation

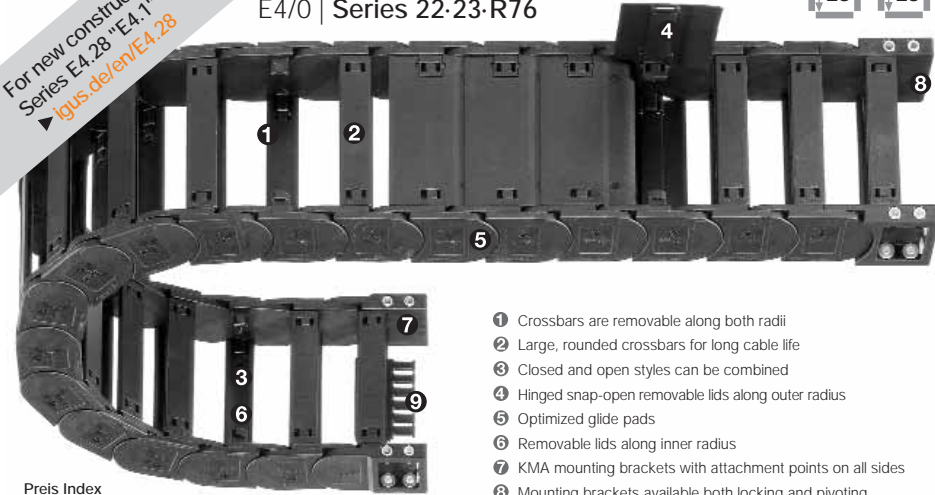
Rollclip	Part No.
unassembled	489.27
assembled	490.27

Rollclip - minimizes abrasion of particularly sensitive hoses. The Rollclip is simply clamped onto the opening crossbar. The movable rollers compensate for relative movement between the chain and hose.



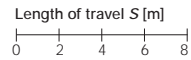
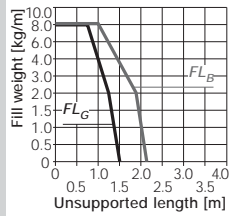
For new constructions:
Series E4.28 "E4.1"
▶ igus.de/en/E4.28

E4/0 | Series 22-23-R76

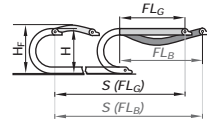


Preis Index

Series 22 Series 23 Series R76



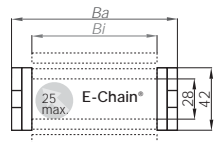
Unsupported length
 FL_G = with straight upper run
 FL_B = with permitted sag



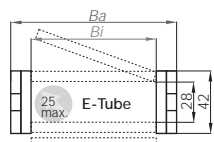
Series 22
crossbars every link



Series 23
crossbars every 2nd link



Series R76
fully enclosed E-Tube



- 1 Crossbars are removable along both radii
- 2 Large, rounded crossbars for long cable life
- 3 Closed and open styles can be combined
- 4 Hinged snap-open removable lids along outer radius
- 5 Optimized glide pads
- 6 Removable lids along inner radius
- 7 KMA mounting brackets with attachment points on all sides
- 8 Mounting brackets available both locking and pivoting
- 9 Integrated strain relief possible

Part No.	B_i [mm]	B_a [mm]	R [mm] Bending Radii
22/23.040.....	0	40	055° 063° 075
22/23/76.050.....	0	50	100 125 150
22/23.062.....	0	62	175 200 250
22/23.070.....	0	70	Radii for all widths!
22/23/76.075.....	0	75	095
22/23/76.100.....	0	100	120
22/23/76.125.....	0	125	145
22/23/76.150.....	0	150	170
22/23/76.175.....	0	175	195
22/23/76.200.....	0	200	220
22/23/76.225.....	0	225	245
22/23/76.250.....	0	250	270
22/23.275.....	0	275	295
22/23/76.300.....	0	300	320

* Not available for R76

Supplement Part No. with required radius. Example: 22.040.150.0
Bending radii listed above can be combined with every chain width!

Part No. structure

22.	040.	150.	0
-----	------	------	---

- Color black
- Bending radius
- Width
- Series

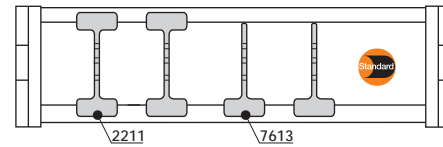
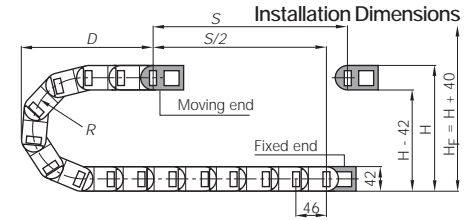
- Order example 5,0 m complete E-Chain*
(indicate chain-lengths or number of links)
- 5,0 m (55 links) Series 22.040.150.0
- + 2 separators 2211 assembled each 2nd link
- + 1 set mounting brackets 220.040.12

E4/0 | Series 22-23-R76

Pitch = 46 mm Links per m = 22 Chain length = $S/2 + K$

R	055	063	075	100	125	150	175	200	250
H_{f20}	154	170	194	244	294	344	394	444	544
D	125	133	145	170	195	220	145	270	320
K	265	290	330	410	485	565	645	725	880

The required clearance height is $H_f = H + 40$ mm (with 1,0 kg/m fill weight). Please consult igus® if space is particularly restricted.



Vert. Separator (chain)

unassembled	2201
assembled	2211

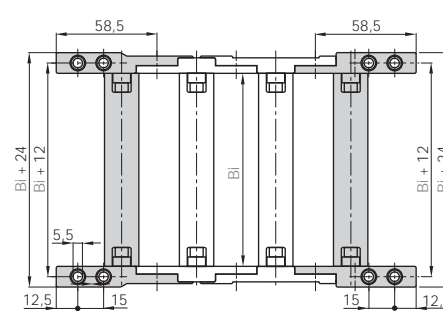
Vert. Separator (tube)

unassembled	7603
assembled	7613

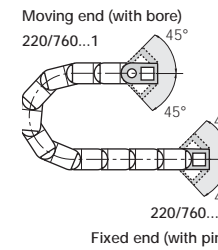
Interior Separation
Full program ▶ page 54



220/760...1
Moving end



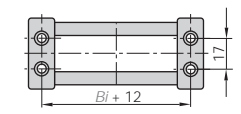
220/760...2
Fixed end



Mounting Brackets



KMA pivoting - attachment with socket head cap bolt M5 DIN 912-8.8



Part No. structure

220.	760.	040.	12
------	------	------	----

Full set
Width-index 220 = E-Chain*
760 = E-Tube

For E-Chain* width-index	Part No. full set	B_i [mm]	For E-Chain* width-index	Part No. full set	B_i [mm]
.040.	▶ 220040.12	40	.150.	▶ 220/760.150.12	150
.050.	▶ 220/760.050.12	50	.175.	▶ 220/760.175.12	175
.062.	▶ 220062.12	62	.200.	▶ 220/760.200.12	200
.070.	▶ 220070.12	70	.225.	▶ 220/760.225.12	225
.075.	▶ 220/760.075.12	75	.250.	▶ 220/760.250.12	250
.100.	▶ 220/760.100.12	100	.275.	▶ 220275.12	275
.125.	▶ 220/760.125.12	125	.300.	▶ 220/760.300.12	300

- Full set, for both ends:
220.040.12
- Single-part order:
220.040.1
- Mounting bracket with bore
220.040.2
- Mounting bracket with pin



KMA mounting brackets, locking Strain relief tiwrap plate as individual part

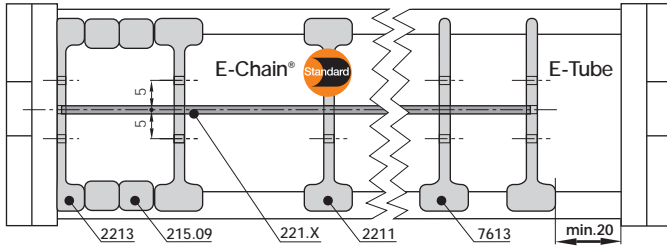
Additional Features

For more features ▶ see link below





- Option 1**
- Vertical separators
 - Spacers
 - Side plate
 - Full-width shelves



Vertical separator
2201



Vertical separator
7603



Spacer
205.09

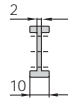


Side plate
2203



Full-width shelf 220.X

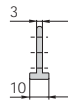
Vertical separator for E-Chains*	2
unassembled	2201
assembled	2211



Option 1: Vertical separators and spacers

● Separators can be placed at any point along a chain's cross section. In the standard configuration, a separator is mounted at every second chain link. **Note:** Observe a lateral spacing of at least 20 mm for E-Tubes!

Vertical separator for E-Tubes	3
unassembled	7603
assembled	7613



● Standard separator 2201 for E-Chains* is used when vertical and horizontal separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.

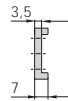
Spacer*	9
for E-Chains*	
unassembled	205.09
assembled	215.09



● Vertical separator 7603 for E-Tubes R760 .

● Vertical separators in side-mounted applications, for instance, can be fixed in position by means of **Spacer 205.09** for E-Chains*. A wide range of intervals between the Vertical separators is adjustable here.

Side plate for E-Chains*	3,5
unassembled	2203
assembled	2213

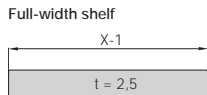


● **Note on spacers:** The available interior height is reduced by 2 mm per spacer (4 mm when spacers are fitted on both sides). To avoid this, the parts can also be installed from the outside on the opening crossbar.

*For side-mounted applications

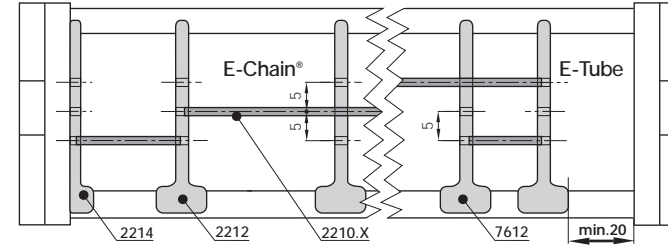
Width X [mm]	Part No. unassembled	Part No. assembled
40	220.40	221.40
50	220.50	221.50
62	220.62	221.62
70	220.70	221.70
75	220.75	221.75
87	220.87	221.87

Width X [mm]	Part No. unassembled	Part No. assembled
100	220.100	221.100
125	220.125	221.125
150	220.150	221.150
175	220.175	221.175
200	220.200	221.200



Additionally:

● **Side plate 2203 and Full-width shelf 220.X** - this option makes sense in applications with many thin cables with similar diameters. It is based upon **Vertical Separator 2201 (7603** for the **Series E-Tube**) is put in place and the shelf is inserted into the separator's slots. If no separators are desired, **Side plate 2203** must be used with the **Series E-Chain**®. This solution is not available for E-Tubes.



- Option 2**
- Side plates
 - Middle plates
 - Shelves

Option 2: Shelves

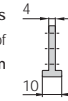
● For use with many cables of differing diameters. E-Chains* and E-Tubes can be subdivided both vertically and horizontally.

● Side plates 2204, Middle plates 2202 and Shelves 2200.X form the basic pattern of a shelf system. Shelves of various widths can be arranged at 3 different heights (in 5 mm increments).

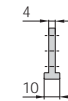
● A Middle plate 7602 is available for the E-Tube. Side plates are not available for the E-Tube.



Side plate for E-Chains*	4
unassembled	2204
assembled	2214



Middle plate for E-Chains*	4
unassembled	2202
assembled	2212



Middle plate for E-Tubes	4
unassembled	7602
assembled	7612



Side plate
2204



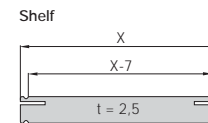
Middle plate
2202



Middle plate
7602



Shelf 2200.X



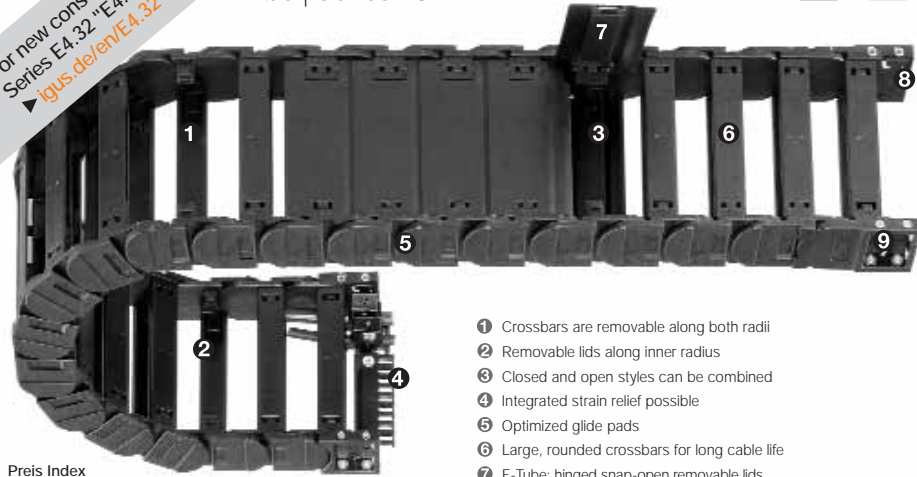
Width X [mm]	Part No. unassembled	Part No. assembled
18	2200.18	2210.18
23	2200.23	2210.23
28	2200.28	2210.28
33	2200.33	2210.33
38	2200.38	2210.38
43	2200.43	2210.43
48	2200.48	2210.48

Width X [mm]	Part No. unassembled	Part No. assembled
58	2200.58	2210.58
68	2200.68	2210.68
73	2200.73	2210.73
88	2200.88	2210.88
99	2200.99	2210.99
124	2200.124	2210.124
149	2200.149	2210.149

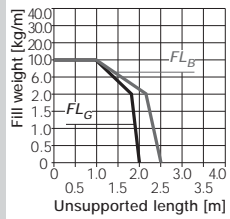


For new constructions:
Series E4.32 "E4.1"
▶ igus.de/en/E4.32

E4/0 | Series 28-29-R77



- 1 Crossbars are removable along both radii
- 2 Removable lids along inner radius
- 3 Closed and open styles can be combined
- 4 Integrated strain relief possible
- 5 Optimized glide pads
- 6 Large, rounded crossbars for long cable life
- 7 E-Tube: hinged snap-open removable lids
- 8 KMA mounting brackets with attachment points on all sides
- 9 Mounting brackets available both locking and pivoting



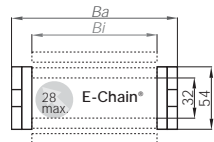
Series 28
crossbars every link



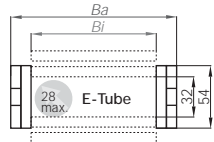
Part No.	Bi(mm)	Ba(mm)	R(mm) Bending Radii
28/29/77.05	50	73	063** 075** 100**
28/29.06	68	91	125 150 175
28/29/77.07	75	98	200 220 250
28/29.087	87	110	300
28/29/77.10	100	123	
28/29/77.11	108	131	
28/29.112	112	136	
28/29/77.12	125	148	
28/29.137	137	161	
28/29/77.15	150	173	
28/29.162	162	186	
28/29/77.17	168	191	
28/29.18	175	198	
28/29.187	187	211	
28/29/77.20	200	223	
28/29.212	212	236	
28/29.23	225	248	
28/29.237	237	261	
28/29/77.25	250	273	
28/29.262	262	286	
28/29.28	275	298	
28/29.29	287	311	
28/29/77.30	300	323	
28/29.312	312	336	
28/29.325	325	348	
28/29.337	337	361	
28/29.350	350	373	
28/29.362	362	386	
28/29.375	375	398	
28/29.387	387	411	
28/29.400	400	423	

Radii for all widths!

Series 29
crossbars every 2nd link



Series R77
fully enclosed E-Tube

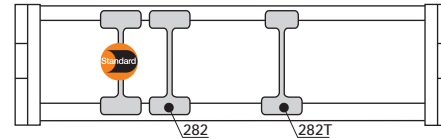
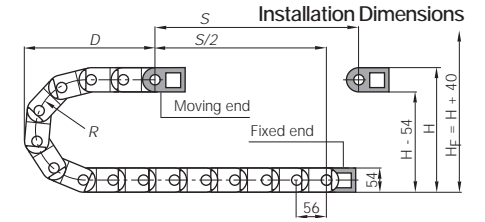


E4/0 | Series 28-29-R77

Pitch = 56 mm Links per m = 18 Chain length = $S/2 + K$

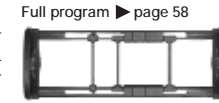
R	063	075	100	125	150	175	200	220	250	300
H ₂₀	180	205	255	305	355	405	455	495	555	655
D	130	150	175	200	225	250	275	295	325	375
K	340	380	465	550	620	700	780	850	940	1110

The required clearance height is $H_F = H + 40$ mm (with 2,0 kg/m fill weight). Please consult igus® if space is particularly restricted.

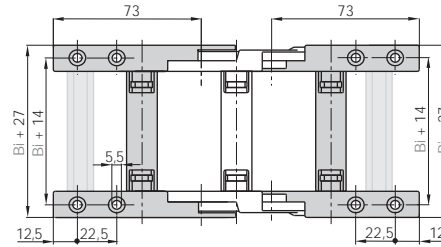


Vert. Separator (chain)	2.5
unassembled	281
assembled	282
Vert. Separator (tube)	2.5
unassembled	281T
assembled	282T

Interior Separation

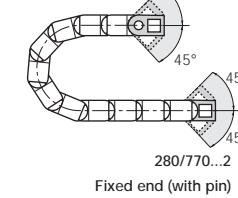


280/770...1
Moving end



280/770...2
Fixed end

Moving end (with bore)
280/770...1



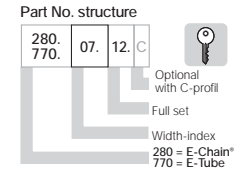
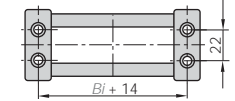
Mounting Brackets



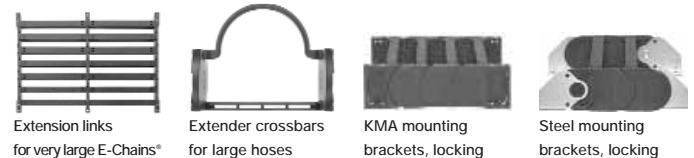
KMA pivoting - attachment with socket head cap bolt M5 DIN 912-8.8

For E-Chain* Part No. full set	width-index	optional with C-profile	Bi
.05	▶	280/770.05.12. C	50
.06	▶	28006.12. C	68
.07	▶	280/770.07.12. C	75
.087	▶	280087.12. C	87
.10	▶	280/770.10.12. C	100
.11	▶	280/770.11.12. C	108
.112	▶	280112.12. C	112
.12	▶	280/770.12.12. C	125
.137	▶	280137.12. C	137
.15	▶	280/770.15.12. C	150
.162	▶	280/162.12. C	162
.17	▶	280/770.17.12. C	168
.18	▶	28018.12. C	175
.187	▶	280187.12. C	187
.20	▶	280/770.20.12. C	200
.212	▶	280212.12. C	212

For E-Chain* Part No. full set	width-index	optional with C-profile	Bi
.23	▶	28023.12. C	225
.237	▶	280237.12. C	237
.25	▶	280/770.25.12. C	250
.262	▶	280262.12. C	262
.28	▶	28028.12. C	275
.29	▶	28029.12. C	287
.30	▶	280/770.30.12. C	300
.312	▶	280312.12. C	312
.325	▶	280325.12. C	325
.337	▶	280337.12. C	337
.350	▶	280350.12. C	350
.362	▶	280362.12. C	362
.375	▶	280375.12. C	375
.387	▶	280387.12. C	387
.400	▶	280400.12. C	400



Full set, for both ends:
280.07. 12
Single-part order:
280.07. 1
Mounting bracket with bore
280.07. 2
Mounting bracket with pin



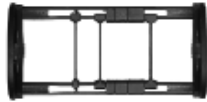
Additional Features

For more features
▶ see link below [www](http://www.igus.de)

Order example 5,0 m complete E-Chain®
(indicate chain-lengths or number of links)
5,0 m (90 links) Series 28.07.150.0
+ 2 separators 281 assembled each 2nd link
+ 1 set mounting brackets with C-profile 280.07.12.C

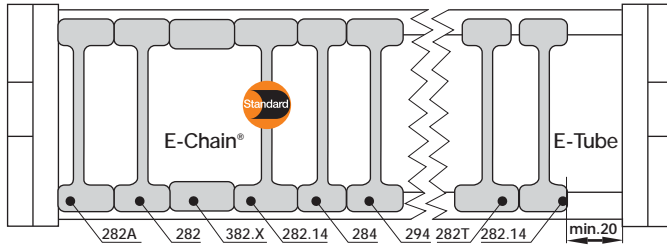
Supplement Part No. with required radius. Example: 28.07.150.0
Bending radii listed above can be combined with every chain width!





Option 1

- Vertical separators
- Spacers
- Locking separators
- Asymmetric separators



Vertical separator
281

Vertical separator for E-Chains*	2.5
unassembled	281
assembled	282

Option 1: Vertical separators and spacers

● Separators can be placed at any point along a chain's cross section. In the standard configuration, a separator is mounted at every second chain link. **Note:** Observe a lateral spacing of at least 20 mm for E-Tubes!



Vertical separator
281T

Vertical separator for E-Tubes	2.5
unassembled	281T
assembled	282T

● Standard separator 281 for E-Chains* offers safe stability due to its broad foot design, also when used with thick cables or hoses. If the distance needed between separators is greater than this separator's dimension, we offer the **Vertical separator 281.14**.



Vertical separator
281.14

Vertical separator for E-Chains*/E-Tubes	2.5
unassembled	281.14
assembled	282.14

● Standard separator 281 for E-Chains* offers safe stability due to its broad foot design, also when used with thick cables or hoses. If the distance needed between separators is greater than this separator's dimension, we offer the **Vertical separator 281.14**.



Vertical separator
283

Vertical separator for E-Chains*	2.5
unassembled	283
assembled	284

● Vertical separator 283 with a narrow foot for E-Chains* with applications where a large number of small cables need to be individually separated.



Spacer
381.XX

Spacer* for E-Chains*	2.5
unassembled	381.XX
assembled	382.XX

● Separators (e.g. "side mounted") for E-Chains* can be fixed in their position with **Spacers 381.XX**. The available inner height will be reduced by 2 mm, per spacer and side. To avoid this, the parts can be assembled on outside of the crossbar (not for long travels) **XX = width of the spacer** (available 10, 15 and 20)



Locking separator
293

Locking separator for E-Chains*	2.5
unassembled	293
assembled	294

Additionally:

● **Locking separator 293** for E-Chains* - with increased retention force for applications exposed to very high humidity or extreme loads. The extra retention force is achieved by asymmetric claws for the crossbar. Ensure proper alignment (not for E-Tubes).

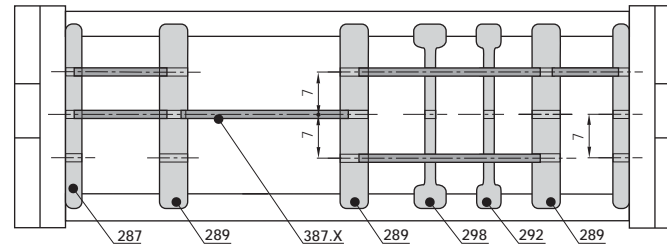


Asymmetric separator
281A

Asymmetric separator for E-Chains*	2.5
unassembled	281A
assembled	282A

● **Asymmetric separator 281A** for E-Chains* (not for E-Tubes) with an 12-mm base, for combinations between spacers of different widths and vertical separators in side-mounted applications, for instance.

*For side-mounted applications



Option 2: Shelves

● **Split separator T323(A)** - ideal for subsequent shelving or for the initial assembly of the E-Chain*. Fast assembly and disassembly possible through hinge/push mechanism. Saves assembly time. Enhances flexibility. (For Shelf 386.X)

Split separator for E-Chains*	10
unassembled	T323(A)
assembled	T323(A)M
Index (A) = for notch separator	12

● For use with many cables of differing diameters. E-Chains* and E-Tubes can be subdivided both vertically and horizontally.

● **Side plates 286, Middle plates 288** und **Shelves 386.X** form the basic pattern of a shelf system. Shelves of various widths can be arranged at 3 different heights (in 7 mm increments).

Side plate for E-Chains*/E-Tubes	4
unassembled	286
assembled	287

● For special applications: **Vertical separator with injection moulded shelf 281.S.57** (57,5 mm) or **281.S.45** (45 mm).

Middle plate for E-Chains*/E-Tubes	8
unassembled	288
assembled	289

● **Slotted separators 291** (not for E-Tubes), are used for very fine subdivisions. However, they cannot be retrofitted into an existing separation system without dismantling the interior separators first.

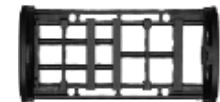
Slotted separator for E-Chains*	3
unassembled	291
assembled	292

● The unilateral **open, slotted separator 297** can be retrofitted into an existing interior separation system without a need for dismantling the interior separators. During an installation of open slotted separators, the top and bottom notches cannot be occupied by shelves.

Open slotted separator for E-Chains*/E-Tubes	2.5
unassembled	297
assembled	298

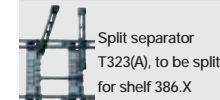
Width X [mm]	Part No. unassembled	Part No. assembled
18	386.18	387.18
23	386.23	387.23
25	386.25	387.25
28	386.28	387.28
33	386.33	387.33
43	386.43	387.43
50	386.50	387.50
54	386.54	387.54
62	386.62	387.62
75	386.75	387.75

Width X [mm]	Part No. unassembled	Part No. assembled
87	386.87	387.87
100	386.100	387.100
108	386.108	387.108
125	386.125	387.125
150	386.150	387.150
175	386.175	387.175
200	386.200	387.200
208	386.208	387.208
225	386.225	387.225



Option 2

- Split separator
- Side plates
- Middle plates
- Slotted separators
- Open slotted separators
- Shelves



Split separator T323(A), to be split for shelf 386.X



Side plate
286



Middle plate
288



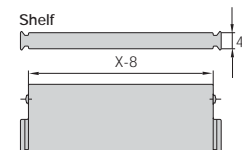
Slotted separator
291



Open slotted separator
297



Shelf 386.X



Part No. structure

38.	07.	150.	0
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Color
black

Bending radius

Width

Series

Order example 5,0 m complete E-Chain®
(indicate chain-lengths or number of links)

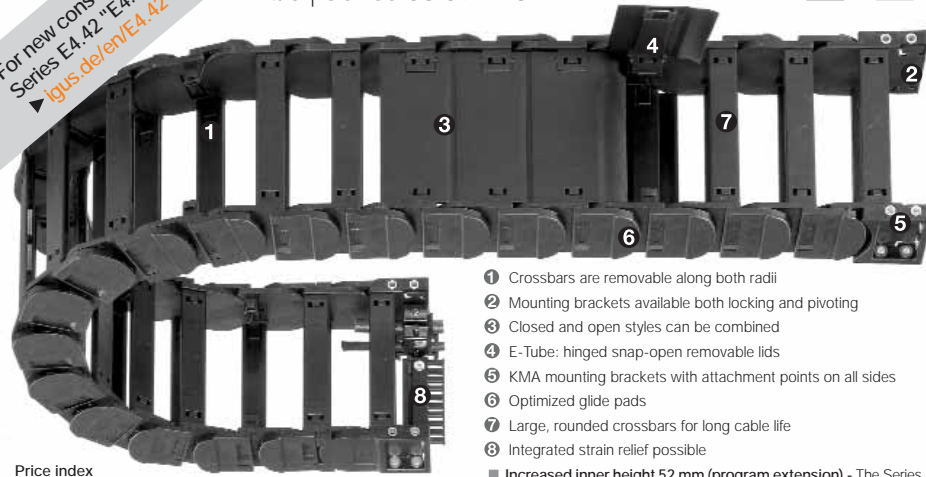
5,0 m (75 links) Series 38.07.150.0

+ 2 separators 381 assembled each 2nd link

+ 1 set mounting brackets with C-profile 380.07.12.C

For new constructions:
Series E4.42 "E4.1"
▶ igus.de/en/E4.42

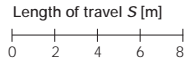
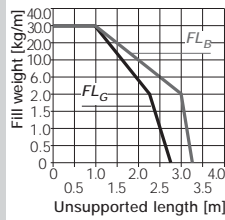
E4/0 | Series 38-39-R78



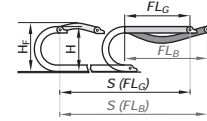
- 1 Crossbars are removable along both radii
- 2 Mounting brackets available both locking and pivoting
- 3 Closed and open styles can be combined
- 4 E-Tube: hinged snap-open removable lids
- 5 KMA mounting brackets with attachment points on all sides
- 6 Optimized glide pads
- 7 Large, rounded crossbars for long cable life
- 8 Integrated strain relief possible



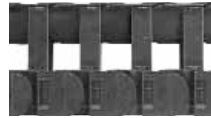
Increased inner height 52 mm (program extension) - The Series
Part No. 3822 E-Chain®, with an increased inner height of 52 mm
is available for unsupported applications ▶ page 76



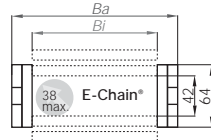
Unsupported length
 FL_G = with straight upper run
 FL_B = with permitted sag



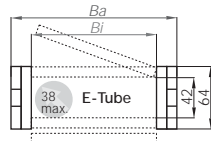
Series 38
crossbars every link



Series 39
crossbars every 2nd link



Series R78
fully enclosed E-Tube



Part No.	Bi [mm]	Ba [mm]	R [mm] Bending Radii
38/39/78.05.	50	77	75** 100** 115**
38/39.06.	68	95	125 150 170
38/39/78.07.	75	102	200 215 250
38/39.087.	87	115	300 350
38/39/78.10.	100	127	
38/39/78.11.	108	135	
38/39.112.	112	140	
38/39/78.12.	125	152	
38/39.137.	137	165	
38/39/78.15.	150	177	
38/39.162.	162	190	
38/39/78.17.	168	195	
38/39.18.	175	202	
38/39.187.	187	215	
38/39/78.20.	200	227	
38/39.212.	212	240	
38/39.23.	225	252	
38/39.237.	237	265	
38/39/78.25.	250	277	
38/39.262.	262	290	
38/39.28.	275	302	
38/39.29.	287	315	
38/39/78.30.	300	327	
38/39.312.	312	340	
38/39.325.	325	352	
38/39.337.	337	365	
38/39.350.	350	377	
38/39.362.	362	390	
38/39.375.	375	403	
38/39.387.	387	415	
38/39.400.	400	427	

Radii for all widths!

* Removable lid only, no hinged option

** Not available for R78

Supplement Part No. with required radius. Example: 38.07.150.0
Bending radii listed above can be combined with every chain width!

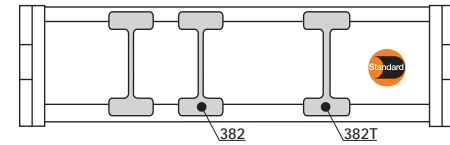
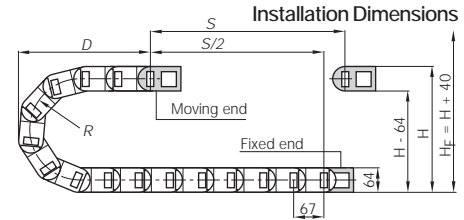


E4/0 | Series 38-39-R78

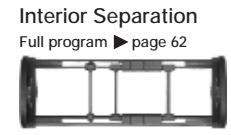
Pitch = 67 mm Links per m = 15 Chain length = $S/2 + K$

R	075	100	115	125	150	170	200	215	250	300	350
H ²⁵	215	265	295	315	365	405	465	495	565	665	765
D	174	199	214	224	249	269	299	314	349	399	449
K	370	450	500	530	610	670	765	810	920	1080	1235

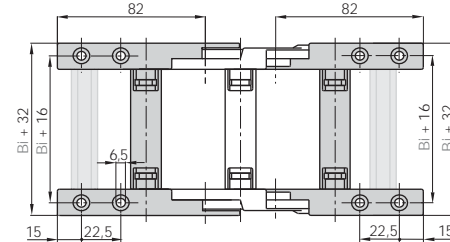
The required clearance height is $H_F = H + 40$ mm (with 2,0 kg/m fill weight). Please consult igus® if space is particularly restricted.



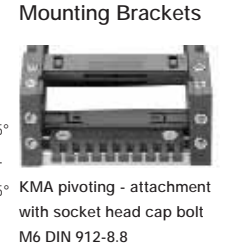
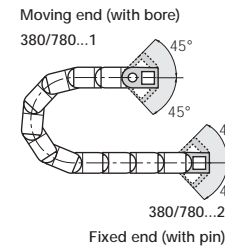
Vert. Separator (chain)	25
unassembled	381
assembled	382
Vert. Separator (tube)	3
unassembled	381T
assembled	382T



380/780...1
Moving end



380/780...2
Fixed end

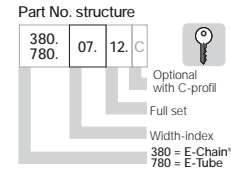
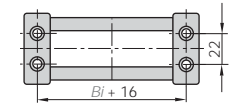


For E-Chain® Part No. full set

width-index	optional with C-profile	Bi [mm]
.05.	380/780.05.12.C	50
.06.	380...06.12.C	68
.07.	380/780.07.12.C	75
.087.	380...087.12.C	87
.10.	380/780.10.12.C	100
.11.	380/780.11.12.C	108
.112.	380...112.12.C	112
.12.	380/780.12.12.C	125
.137.	380...137.12.C	137
.15.	380/780.15.12.C	150
.162.	380...162.12.C	162
.17.	380/780.17.12.C	168
.18.	380...18.12.C	175
.187.	380...187.12.C	187
.20.	380/780.20.12.C	200
.212.	380...212.12.C	212

For E-Chain® Part No. full set

width-index	optional with C-profile	Bi [mm]
.23.	380...23.12.C	225
.237.	380...237.12.C	237
.25.	380/780.25.12.C	250
.262.	380...262.12.C	262
.28.	380...28.12.C	275
.29.	380...29.12.C	287
.30.	380/780.30.12.C	300
.312.	380...312.12.C	312
.325.	380...325.12.C	325
.337.	380...337.12.C	337
.350.	380...350.12.C	350
.362.	380...362.12.C	362
.375.	380...375.12.C	375
.387.	380...387.12.C	387
.400.	380...400.12.C	400

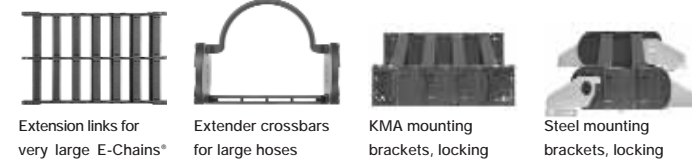


Full set, for both ends:
380.07. 12

Single-part order:
380.07. 1

Mounting bracket with bore
380.07. 2

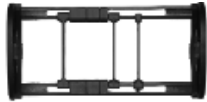
Mounting bracket with pin



Additional Features

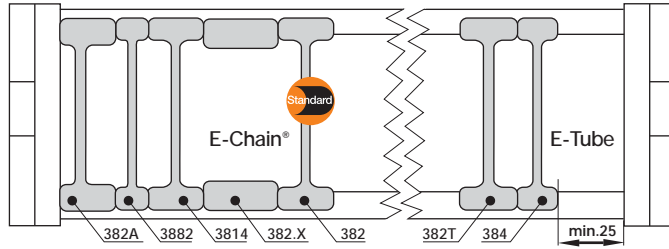
For more features ▶ see link below

[www](http://www.igus.de)



Option 1

- Vertical separators
- Spacers
- Locking separators
- Asymmetric separators



Vertical separator
381



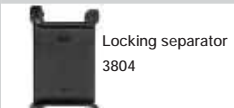
Vertical separator
with a narrow foot
3881



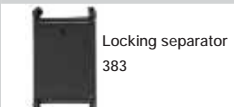
Vertical separator
381T



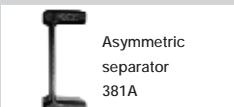
Spacer
381.XX



Locking separator
3804



Locking separator
383



Asymmetric
separator
381A

Vertical separator for E-Chains*	2,5
unassembled	381
assembled	382

Vertical separator* for E-Chains*	2,5
unassembled	3881
assembled	3882

Vertical separator for E-Tubes	3
unassembled	381T
assembled	382T

Spacer*	
for E-Chains*	
unassembled	381.XX
assembled	382.XX

Locking separator for E-Chains*	2,5
unassembled	3804
assembled	3814

Locking separator for E-Tubes	2,5
unassembled	383
assembled	384

Asymmetric separator for E-Chains*	2,5
unassembled	381A
assembled	382A

*For side-mounted applications

Option 1: Vertical separators and spacers

● Separators can be placed at any point along a chain's cross section. In the standard configuration, a separator is mounted at every second chain link. **Note:** Observe a lateral spacing of at least 20 mm for E-Tubes!

● Standard separator 381 for E-Chains* offers safe stability due to its broad foot design, also when used with thick cables or hoses.

● Vertical separator 3881 with a narrow foot (7 mm) for E-Chains* with applications where a large number of small cables need to be individually separated.

● The Vertical separator 381T for E-Tubes clamps to the fixed radius and remains free along the other radius to facilitate lid removal. If installing these yourself, please ensure that they are identically aligned.

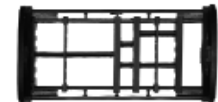
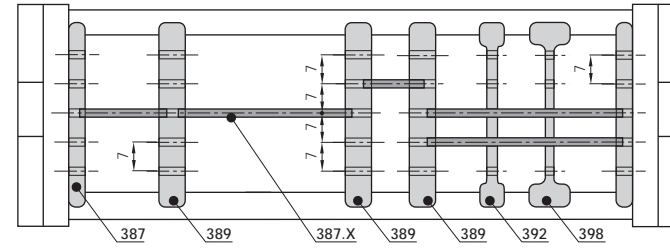
● Separators (e.g. "side mounted") for E-Chains* can be fixed in their position with Spacers 381.XX. The available inner height will be reduced by 2 mm, per spacer and side. To avoid this, the parts can be assembled on outside of the crossbar (not for long travels). XX = width of the spacer (available 10, 15 and 20)

Additionally:

● Locking separator 3804 for E-Chains* - with increased retention force for applications exposed to very high humidity or extreme loads. The extra retention force is achieved by asymmetric claws for the crossbar. Ensure proper alignment.

● Locking separator 393 for E-Chains* - with increased retention force for applications exposed to very high humidity or extreme loads. The extra retention force is achieved by asymmetric claws for the crossbar. Ensure proper alignment.

● Asymmetric separator 381A for E-Chains* (not for E-Tubes) with an 14-mm base, for combinations between spacers of different widths and vertical separators in side-mounted applications, for instance.



Option 2

- Split separator
- Side plates
- Middle plates
- Slotted separators
- Open slotted separators
- Shelves

Option 2: Shelves

● Split separator T423(A) - ideal for subsequent shelving or for the initial assembly of the E-Chain*. Fast assembly and disassembly possible through hinge/push mechanism. Saves assembly time. Enhances flexibility. (For Shelf 386.X).

● For use with many cables of differing diameters. E-Chains* and E-Tubes can be subdivided both vertically and horizontally.

● Side plates 386, Middle plates 388 and Shelves 386.X form the basic pattern of a shelf system. Shelves of various widths can be arranged at 5 different heights (in 7 mm increments).

● Slotted separators 391, are used for very fine subdivisions. However, they cannot be retrofitted into an existing separation system without dismantling the interior separators first.

● The unilateral Open slotted separator 397 can be retrofitted into an existing interior separation system without a need for dismantling the interior separators. During an installation of open slotted separators, the top and bottom notches cannot be occupied by shelves.

Split separator for E-Chains*	10
unassembled	T423(A)
assembled	T423(A)M
Index (A) = for notch separator	

Side plate for E-Chains*/E-Tubes	4
unassembled	386
assembled	387

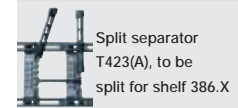
Middle plate for E-Chains*/E-Tubes	8
unassembled	388
assembled	389

Slotted separator for E-Chains*/E-Tubes	3
unassembled	391
assembled	392

Open slotted separator for E-Chains*/E-Tubes	2,5
unassembled	397
assembled	398

Width X [mm]	Part No. unassembled	Part No. assembled
18	386.18	387.18
23	386.23	387.23
25	386.25	387.25
28	386.28	387.28
33	386.33	387.33
43	386.43	387.43
50	386.50	387.50
54	386.54	387.54
62	386.62	387.62

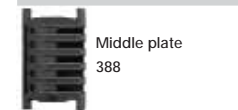
Width X [mm]	Part No. unassembled	Part No. assembled
75	386.75	387.75
87	386.87	387.87
100	386.100	387.100
108	386.108	387.108
125	386.125	387.125
150	386.150	387.150
175	386.175	387.175
200	386.200	387.200
208	386.208	387.208



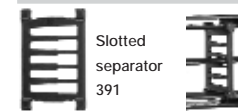
Split separator
T423(A), to be
split for shelf 386.X



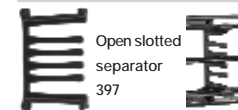
Side plate
386



Middle plate
388



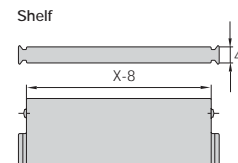
Slotted
separator
391



Open slotted
separator
397



Shelf 386.X



Shelf



Part No. structure

40.	20.	150.	0
-----	-----	------	---

Color
black

Bending radius

Width

Series

Order example 5,0 m complete E-Chain®
(indicate chain-lengths or number of links)

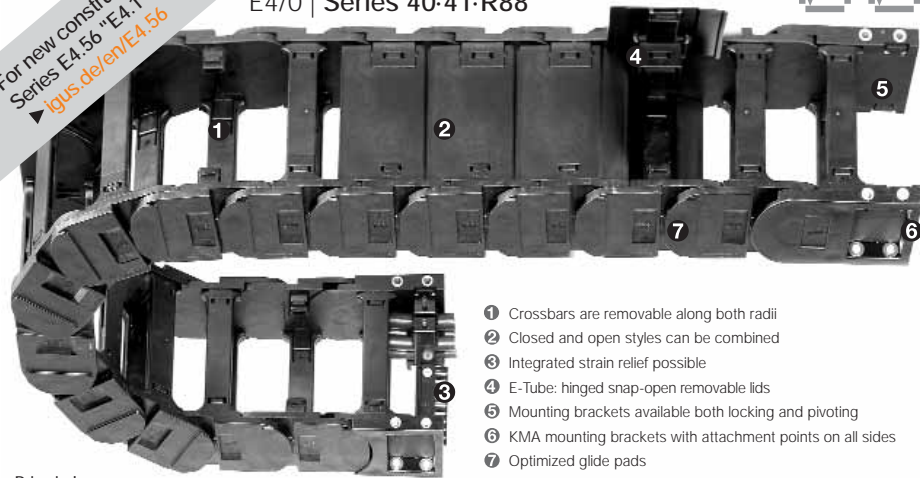
5,0 m (55 links) Series 40.20.150.0

+ 2 separators 411 assembled each 2nd link

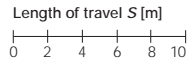
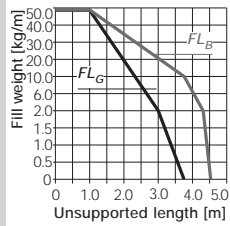
+ 1 set mounting brackets with C-profile 400.20.12.C

For new constructions:
Series E4.56 "E4.1"
▶ igus.de/en/E4.56

E4/0 | Series 40-41-R88



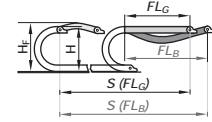
- 1 Crossbars are removable along both radii
- 2 Closed and open styles can be combined
- 3 Integrated strain relief possible
- 4 E-Tube: hinged snap-open removable lids
- 5 Mounting brackets available both locking and pivoting
- 6 KMA mounting brackets with attachment points on all sides
- 7 Optimized glide pads



Unsupported length

FL_G = with straight upper run

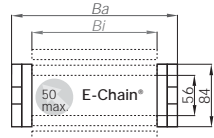
FL_B = with permitted sag



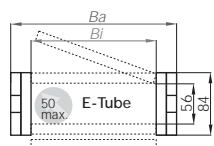
Series 40
crossbars every link



Series 41
crossbars every 2nd link



Series R88
fully enclosed E-Tube



Part No.	Bi [mm]	Ba [mm]	R [mm] Bending Radii
40/41.05	50	86	135** 150 175
40/41.06	65	101	200 240 250
40/41/88.07	75	111	300 350 400
40/41/88.10	100	136	500
40/41.11	112	149	
40/41/88.12	125	161	
40/41.13	137	174	
40/41/88.15	150	186	
40/41.16	162	199	
40/41.17	175	211	
40/41.18	187	224	
40/41/88.20	200	236	
40/41.21	212	249	
40/41.22	225	261	
40/41.23	237	274	
40/41/88.25	250	286	
40/41.26	262	299	
40/41/88.27	275	311	
40/41.28	287	324	
40/41/88.30	300	336	
40/41.31	312	349	
40/41.32	325	361	
40/41.33	337	374	
40/41/88.35	350	386	
40/41.36	362	399	
40/41.37	375	411	
40/41.38	387	424	
40/41/88.40	400	436	
40/41.41	412	449	
40/41.42	425	461	
40/41.43	437	474	
40/41.45	450	486	
40/41/88.46	462	499	
40/41.47	475	511	
40/41.48	487	524	
40/41.50	500	536	
40/41.51	512	549	
40/41.52	525	561	
40/41.53	537	574	
40/41.55	550	586	
40/41.60	600	636	

Radii for all widths!

* Removable lid only, no hinged option
** Not available for R88

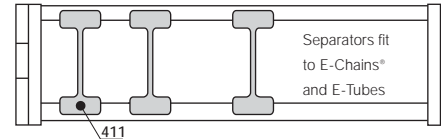
Supplement Part No. with required radius. Example: 40.20.150.0
Bending radii listed above can be combined with every chain width!

E4/0 | Series 40-41-R88

Pitch = 91 mm Links per m = 11 Chain length = $S/2 + K$

R	135	150	175	200	240	250	300	350	400	500
H ²⁵	360	385	435	485	565	585	685	785	885	1085
D	270	285	310	335	375	385	435	485	535	635
K	650	750	825	900	1020	1050	1225	1340	1450	1775

The required clearance height is $H_f = H + 50$ mm (with 2,0 kg/m fill weight). Please consult igus® if space is particularly restricted.



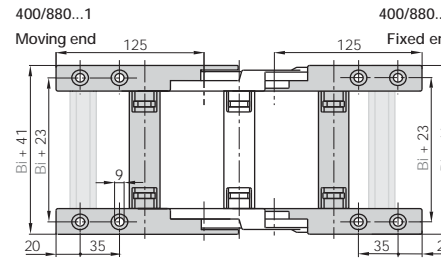
Vertical separator

unassembled	401
assembled	411

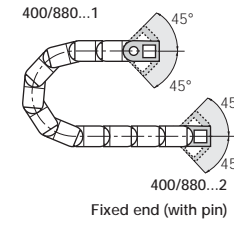


Interior Separation

Full program ▶ page 66



Moving end (with bore)



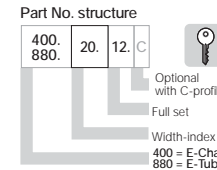
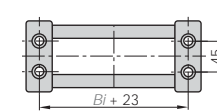
Mounting Brackets



KMA pivoting - attachment with socket head cap bolt M8 DIN 912-8.8

For E-Chain® width-index	Part No. full set optional with C-profile	Bi [mm]
.05.	▶ 400...05.12.□	50
.06.	▶ 400...06.12.□	65
.07.	▶ 400/880.07.12.□	75
.10.	▶ 400/880.10.12.□	100
.11.	▶ 400...11.12.□	112
.12.	▶ 400/880.12.12.□	125
.13.	▶ 400...13.12.□	137
.15.	▶ 400/880.15.12.□	150
.16.	▶ 400...16.12.□	162
.17.	▶ 400...17.12.□	175
.18.	▶ 400...18.12.□	187
.20.	▶ 400/880.20.12.□	200
.21.	▶ 400...21.12.□	212
.22.	▶ 400...22.12.□	225
.23.	▶ 400...23.12.□	237
.25.	▶ 400/880.25.12.□	250
.26.	▶ 400...26.12.□	262
.27.	▶ 400/880.27.12.□	275
.28.	▶ 400...28.12.□	287
.30.	▶ 400/880.30.12.□	300
.31.	▶ 400...31.12.□	312

For E-Chain® width-index	Part No. full set optional with C-profile	Bi [mm]
.32.	▶ 400...32.12.□	325
.33.	▶ 400...33.12.□	337
.35.	▶ 400/880.35.12.□	350
.36.	▶ 400...36.12.□	362
.37.	▶ 400...37.12.□	375
.38.	▶ 400...38.12.□	387
.40.	▶ 400/880.40.12.□	400
.41.	▶ 400...41.12.□	412
.42.	▶ 400...42.12.□	425
.43.	▶ 400...43.12.□	437
.45.	▶ 400...45.12.□	450
.46.	▶ 400/880.46.12.□	462
.47.	▶ 400...47.12.□	475
.48.	▶ 400...48.12.□	487
.50.	▶ 400...50.12.□	500
.51.	▶ 400...51.12.□	512
.52.	▶ 400...52.12.□	525
.53.	▶ 400...53.12.□	537
.55.	▶ 400...55.12.□	550
.60.	▶ 400...60.12.□	600

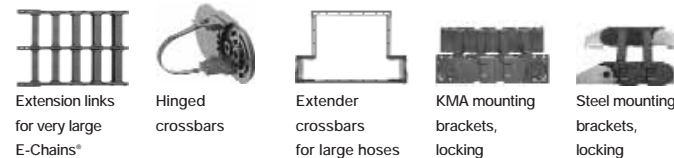


Full set, for both ends:
400.20.12

Single-part order:
400.20.1

Mounting bracket with bore
400.20.2

Mounting bracket with pin



Additional Features

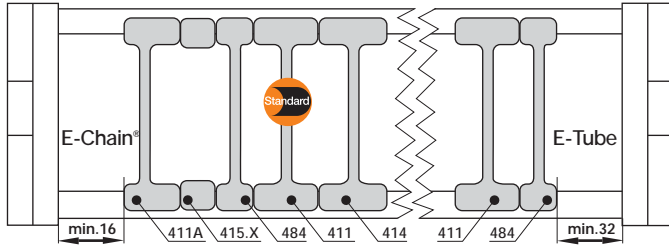
For more features ▶ see link below



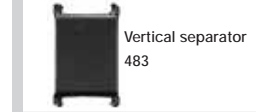


Option 1

- Vertical separators
- Spacers
- Locking separators
- Asymmetric separators



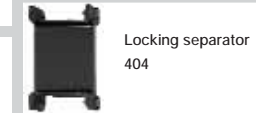
Vertical separator
401



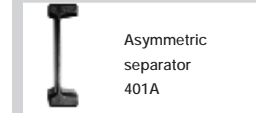
Vertical separator
483



Spacer
405.XX

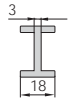


Locking separator
404

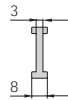


Asymmetric separator
401A

Vertical separator for E-Chains®/E-Tubes	3
unassembled	401
assembled	411



Vertical separator for E-Chains®/E-Tubes	3
unassembled	483
assembled	484



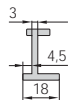
Spacer* for E-Chains®	XX
unassembled	405.XX
assembled	415.XX



Locking separator for E-Chains®	3
unassembled	404
assembled	414



Asymmetric separator for E-Chains®	3
unassembled	401A
assembled	411A



*For side-mounted applications

Option 1: Vertical separators and spacers

● Separators can be placed at any point along a chain's cross section. In the standard configuration, a separator is mounted at every second chain link. **Note:** Observe a lateral spacing of at least 32 mm (E-Tube) and for the E-Chain® 16 mm! Exception: No minimum spacing is needed for side plates.

● Standard separator 401 for E-Chains®/E-Tubes offers safe stability due to its broad foot design, also when used with thick cables or hoses.

● Vertical separator 483 with a narrow foot for E-Chains® and E-Tubes with applications where a large number of small cables need to be individually separated.

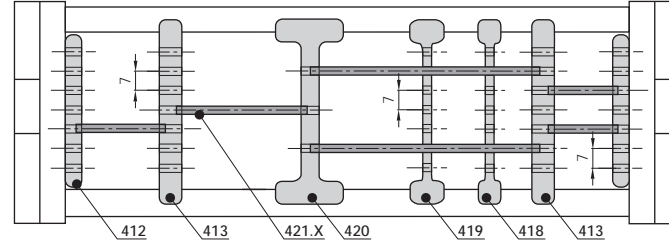
● Separators (e.g. "side mounted") for E-Chains® can be fixed in their position with Spacers 405.XX. The available inner height will be reduced by 2 mm, per spacer and side. To avoid this, the parts can be assembled on outside of the crossbar (not for long travels) XX = width of the spacer (available 10, 15, 20, 30 and 40 mm)

Additionally:

● Locking separator for E-Chains® 404 - with increased retention force for applications exposed to very high humidity or extreme loads. The extra retention force is achieved by asymmetric claws for the crossbar. Ensure proper alignment

● Locking separator 406 for E4-Tubes - safe fitting locked on lid or bottom of the Tube and sideways slideable. The opposing lid or bottom can easily be opened and closed. Especially capable if many separators need to be assembled on a tight inner width. **Art. Nr. not assembled 406 - Art. Nr. assembled 416.** For illustration, refer to vertical separator 404.

● Asymmetric separator 401A for E-Chains® with an 18-mm base, for combinations between spacers of different widths and vertical separators in side-mounted applications, for instance.



Option 2

- Split separator
- Side plates
- Middle plates
- Locking separators
- Slotted separators
- Open slotted separators
- Shelves

Option 2: Shelves

● Split separator T563(A) - ideal for subsequent shelving or for the initial assembly of the E-Chain®. Fast assembly and disassembly possible through hinge/push mechanism. Saves assembly time. Enhances flexibility. (For Shelf 420.X).

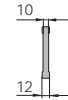
● For use with many cables of differing diameters. E-Chains® and E-Tubes can be subdivided both vertically and horizontally.

● Side plates 402, Middle plates 403 and Shelves 420.X form the basic pattern of a shelf system. Shelves of various widths can be arranged at 7 different heights (in 7 mm increments).

● Locking vertical separator 410, slotted combined with shelves.

● Slotted separators 408, are used for very fine subdivisions. However, they cannot be retrofitted into an existing separation system without dismantling the interior separators first.

● The unilateral Open slotted separator 409 can be retrofitted into an existing interior separation system without a need for dismantling the interior separators. During an installation of open slotted separators, the top and bottom notches cannot be occupied by shelves.



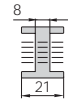
Split separator for E-Chains®	10
unassembled	T563(A)
assembled	T563(A)M
Index (A) = for notch separator	



SeitenplatteSide plate for E-Chains®/E-Tubes	4
unassembled	402
assembled	412



Middle plate for E-Chains®/E-Tubes	8
unassembled	403
assembled	413



Locking vertical separator for E-Chains®/E-Tubes	8
unassembled	410
assembled	420



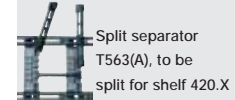
Slotted separator for E-Chains®/E-Tubes	3
unassembled	408
assembled	418



Open slotted separator for E-Chains®/E-Tubes	3
unassembled	409
assembled	419

Width X [mm]	Part No. unassembled	Part No. assembled
18	420.18	421.18
23	420.23	421.23
25	420.25	421.25
28	420.28	421.28
33	420.33	421.33
43	420.43	421.43
50	420.50	421.50
62	420.62	421.62

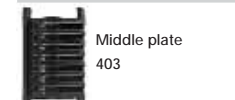
Width X [mm]	Part No. unassembled	Part No. assembled
75	420.75	421.75
88	420.88	421.88
100	420.100	421.100
125	420.125	421.125
150	420.150	421.150
175	420.175	421.175
187	420.187	421.187
200	420.200	421.200



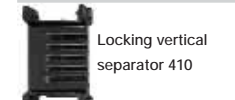
Split separator T563(A), to be split for shelf 420.X



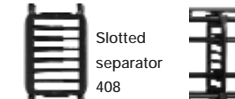
Side plate 402



Middle plate 403



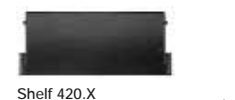
Locking vertical separator 410



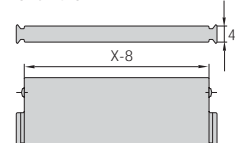
Slotted separator 408



Open slotted separator 409



Shelf 420.X



Part No. structure

50	25	250	0
----	----	-----	---

Color black
Bending radius
Width
Series

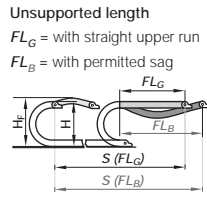
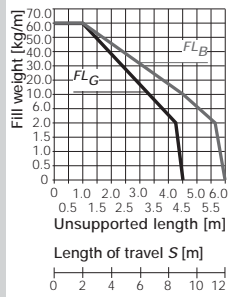
Order example 5,0 m complete E-Chain®
(indicate chain-lengths or number of links)
5,0 m (55 links) Series 50.25.250.0
+ 2 separators 511 assembled each 2nd link
+ 1 set mounting brackets with C-profile 500.25.12.C

For new constructions:
Series E4.80 "E4.1"
▶ igus.de/en/E4.80

E4/0 | Series 50-51-R98



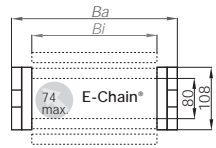
- 1 Crossbars are removable along both radii
- 2 Closed and open styles can be combined
- 3 Integrated strain relief possible
- 4 E-Tube: hinged snap-open removable lids
- 5 Removable lids along inner radius
- 6 Mounting brackets available both locking and pivoting
- 7 KMA mounting brackets with attachment points on all sides



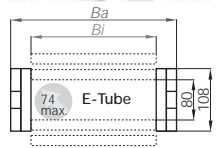
Series 50
crossbars every link



Series 51
crossbars every 2nd link



Series R98
fully enclosed E-Tube



Part No.	Bi (mm)	Ba (mm)	R (mm) Bending Radii
50/51.05.	50	100	150** 200 250
50/51.06.	60	115	300 350 400
50/51/98.07.	75	125	500 550 600
50/51/98.10.	100	150	650 1000
50/51.11.	112	163	
50/51/98.12.	125	175	
50/51.13.	137	188	
50/51/98.15.	150	200	
50/51.16.	162	213	
50/51.17.	175	225	
50/51.18.	187	238	
50/51/98.20.	200	250	
50/51.21.	212	263	
50/51.22.	225	275	
50/51.23.	237	288	
50/51/98.25.	250	300	
50/51.26.	262	313	
50/51/98.27.	275	325	
50/51.28.	287	338	
50/51/98.30.	300	350	
50/51.31.	312	363	
50/51.32.	325	375	
50/51.33.	337	388	
50/51/98.35.	350	400	
50/51.36.	362	413	
50/51.37.	375	425	
50/51.38.	387	438	
50/51/98.40.	400	450	
50/51.41.	412	463	
50/51.42.	425	475	
50/51.43.	437	488	
50/51.45.	450	500	
50/51/98.46.	462	513	
50/51.47.	475	525	
50/51.48.	487	538	
50/51.50.	500	550	
50/51.51.	512	563	
50/51.52.	525	575	
50/51.53.	537	588	
50/51.55.	550	600	
50/51.60.	600	650	

Radii for all widths!

* Removable lid only, no hinged option
** Not available for R98

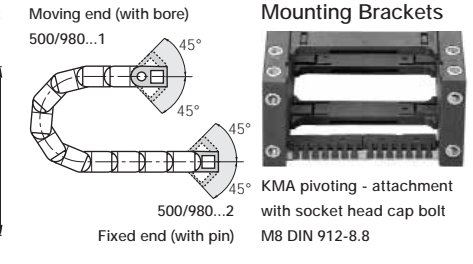
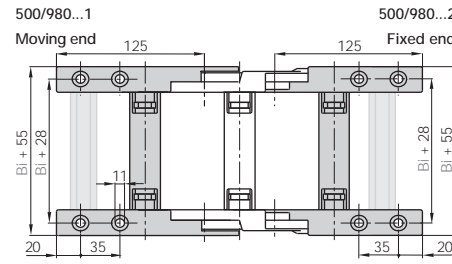
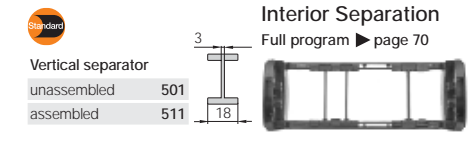
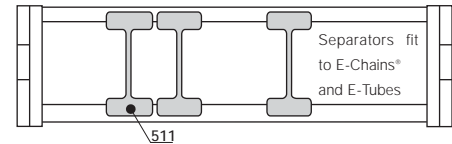
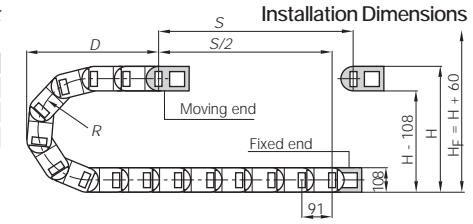
Supplement Part No. with required radius. Example: 50.25.[250].0
Bending radii listed above can be combined with every chain width!

E4/0 | Series 50-51-R98

Pitch = 91 mm Links per m = 11 Chain length = $S/2 + K$

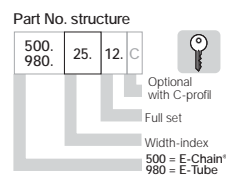
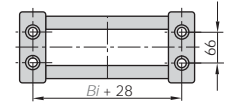
R	150	200	250	300	350	400	500	550	600	650	1000
H ²⁵	410	510	610	710	810	910	1110	1210	1310	1410	2110
D	300	350	400	450	500	550	650	700	750	800	1150
K	750	900	1050	1225	1375	1450	1675	1850	2150	2250	3350

The required clearance height is $H_F = H + 60$ mm (with 3,0 kg/m fill weight). Please consult igus® if space is particularly restricted.



For E-Chain® width-index	Part No. full set optional with C-profile	Bi [mm]
.05.	500...05.12.C	50
.06.	500...06.12.C	65
.07.	500/980.07.12.C	75
.10.	500/980.10.12.C	100
.11.	500...11.12.C	112
.12.	500/980.12.12.C	125
.13.	500...13.12.C	137
.15.	500/980.15.12.C	150
.16.	500...16.12.C	162
.17.	500...17.12.C	175
.18.	500...18.12.C	187
.20.	500/980.20.12.C	200
.21.	500...21.12.C	212
.22.	500...22.12.C	225
.23.	500...23.12.C	237
.25.	500/980.25.12.C	250
.26.	500...26.12.C	262
.27.	500/980.27.12.C	275
.28.	500...28.12.C	287
.30.	500/980.30.12.C	300
.31.	500...31.12.C	312

For E-Chain® width-index	Part No. full set optional with C-profile	Bi [mm]
.32.	500...32.12.C	325
.33.	500...33.12.C	337
.35.	500/980.35.12.C	350
.36.	500...36.12.C	362
.37.	500...37.12.C	375
.38.	500...38.12.C	387
.40.	500/980.40.12.C	400
.41.	500...41.12.C	412
.42.	500...42.12.C	425
.43.	500...43.12.C	437
.45.	500...45.12.C	450
.46.	500/980.46.12.C	462
.47.	500...47.12.C	475
.48.	500...48.12.C	487
.50.	500...50.12.C	500
.51.	500...51.12.C	512
.52.	500...52.12.C	525
.53.	500...53.12.C	537
.55.	500...55.12.C	550
.60.	500...60.12.C	600



Full set, for both ends:
500.25.12
Single-part order:
500.25.1
Mounting bracket with bore
500.25.2
Mounting bracket with pin

Additional Features

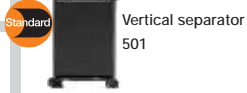
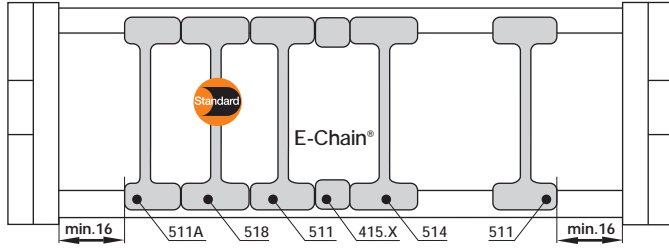
- Extension links for very large E-Chains®
- Hinged crossbars
- Extender crossbars for large hoses
- KMA mounting brackets, locking
- Steel mounting brackets, locking

For more features ▶ see link below [www](http://www.igus.de)



Option 1

- Vertical separators
- Spacers
- Locking separators
- Asymmetric separators



Vertical separator
501



Spacer
405.XX



Locking separator
504



Locking separator
508



Asymmetric
separator 501A

Vertical separator for E-Chains®	3
unassembled	501
assembled	511



Spacer* for E-Chains®	XX
unassembled	405.40
assembled	415.40



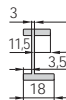
Locking separator for E-Chains®	4
unassembled	504
assembled	514



Locking separator for E-Chains®	4
unassembled	508
assembled	518



Asymmetric separator for E-Chains®	3
unassembled	501A
assembled	511A



*For side-mounted applications

Option 1: Vertical separators and spacers

● Separators can be placed at any point along a chain's cross section. In the standard configuration, a separator is mounted at every second chain link. Note: Observe a lateral spacing of at least 16 mm! (Exception: Side plate - no lateral spacing)

● Standard separator 501 for E-Chains® offers safe stability due to its broad foot design, also when used with thick cables or hoses.

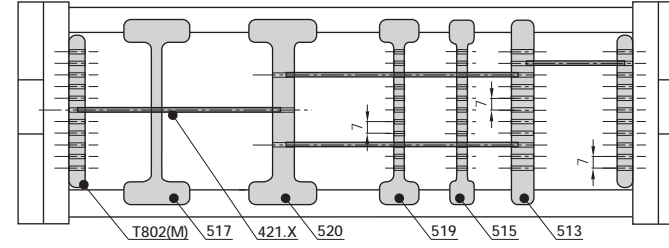
● Separators (e.g. "side mounted") for E-Chains® can be fixed in their position with Spacers 405.XX. The available inner height will be reduced by 2 mm, per spacer and side. To avoid this, the parts can be assembled on outside of the crossbar (not for long travels) XX = width of the spacer (available 10, 15, 20, 30 and 40 mm)

Additionally:

● Locking separator for E-Chains® 504- with increased retention force for applications exposed to very high humidity or extreme loads. If locking separators are used, the E-Chain® is more difficult to open

● The Locking separator for E-Chains® 508 is designed for applications exposed to extremely high humidity, for example, at composting plants. The lateral cam serves for uniform alignment of the vertical separators; if these separators are misaligned, they will inevitably get damaged on an attempt to open the E-Chain®.

● Asymmetric separator 501A for E-Chains® (not for E-Tubes) with an 18-mm base, for combinations between spacers of different widths and vertical separators in side-mounted applications, for instance.



Option 2: Shelves

● Split separator T803(A) - ideal for subsequent shelving or for the initial assembly of the E-Chain®. Fast assembly and disassembly possible through hinge/push mechanism. Saves assembly time. Enhances flexibility. (For Shelf 420.X). More on

● For use with many cables of differing diameters. E-Chains® and E-Tubes can be subdivided both vertically and horizontally.

● Side plates 502, Middle plates 503 and Shelves 420.X form the basic pattern of a shelf system. Shelves of various widths can be arranged at 11 different heights (in 7 mm increments).

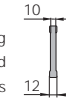
● Locking vertical separator 510 combined with shelves. Triple slots.

● Locking separator 507 slotted - with increased retention force for applications exposed to very high humidity or extreme loads. The extra retention force is achieved by asymmetric claws for the crossbar. Ensure proper alignment.

● Slotted separators 505 are used for very fine subdivisions. However, they cannot be retrofitted into an existing separation system without dismantling the interior separators first.

● The unilateral Open slotted separator 509 can be retrofitted into an existing interior separation system without a need for dismantling the interior separators. During an installation of open slotted separators, the top and bottom notches cannot be occupied by shelves.

Width X [mm]	Part No. unassembled	Part No. assembled
18	420.18	421.18
23	420.23	421.23
25	420.25	421.25
28	420.28	421.28
33	420.33	421.33
43	420.43	421.43
50	420.50	421.50
62	420.62	421.62



Split separator for E-Chains®	10
unassembled	T803(A)
assembled	T803(A)M

Side plate for E-Chains®	4
unassembled	T802
assembled	T802(M)

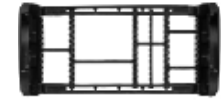
Middle plate for E-Chains®	8
unassembled	503
assembled	513

Locking vertical separator for E-Chains®	8
unassembled	510
assembled	520

Locking separator for E-Chains®	4
unassembled	507
assembled	517

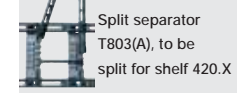
Slotted separator for E-Chains®	3,5
unassembled	505
assembled	515

Open slotted separator for E-Chains®	3
unassembled	509
assembled	519



Option 2

- Split separator
- Side plates
- Middle plates
- Locking separators
- Slotted separators
- Open slotted separators
- Shelves



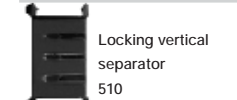
Split separator
T803(A), to be
split for shelf 420.X



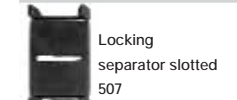
Side plate
T802



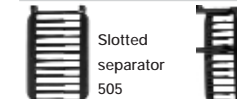
Middle plate
503



Locking vertical
separator
510



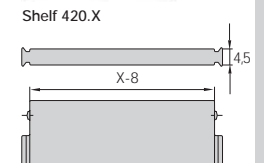
Locking
separator slotted
507



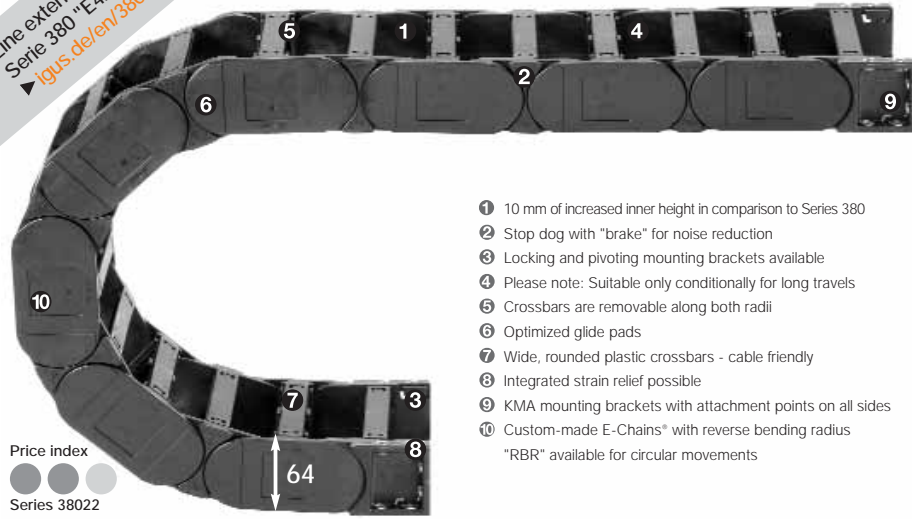
Slotted
separator
505



Open slotted
separator
509

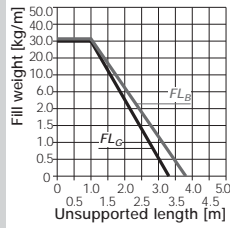


Line extension
Serie 380 "E4/00"
▶ igus.de/en/380

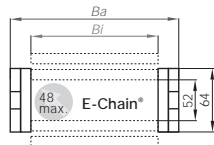


Price index
Series 38022

- 1 10 mm of increased inner height in comparison to Series 380
 - 2 Stop dog with "brake" for noise reduction
 - 3 Locking and pivoting mounting brackets available
 - 4 Please note: Suitable only conditionally for long travels
 - 5 Crossbars are removable along both radii
 - 6 Optimized glide pads
 - 7 Wide, rounded plastic crossbars - cable friendly
 - 8 Integrated strain relief possible
 - 9 KMA mounting brackets with attachment points on all sides
 - 10 Custom-made E-Chains* with reverse bending radius
- *"RBR" available for circular movements



Serie 38022 -
crossbars every link



Part No.	B_i [mm]	B_a [mm]	R [mm] Bending Radii
38022.05.	50	76	075 100 115
38022.06.	68	94	125 150 170
38022.07.	75	101	200 215 250
38022.087.	87	114	300 350
38022.10.	100	126	
38022.11.	108	134	
38022.112.	112	139	
38022.12.	125	151	
38022.137.	137	164	
38022.15.	150	176	
38022.162.	162	189	
38022.17.	168	194	
38022.18.	175	201	
38022.187.	187	214	
38022.20.	200	226	
38022.212.	212	239	
38022.23.	225	251	
38022.237.	237	264	
38022.25.	250	276	
38022.262.	262	289	
38022.28.	275	301	
38022.29.	287	314	
38022.30.	300	326	
38022.312.	312	339	
38022.325.	325	351	
38022.337.	337	364	
38022.350.	350	376	
38022.362.	362	389	
38022.375.	375	402	
38022.387.	387	414	
38022.400.	400	426	

Radii for all widths!

Supplement Part No. with required radius. Example: 38022.400.[300].0
Bending radii listed above can be combined with every chain width!

Part No. structure

38022.400.300.0

- Color: black
- Bending radius
- Width
- Series

Order example 5,0 m complete E-Chain*
(indicate chain-lengths or number of links)

5,0 m (75 links) Series 38022.400.300.0

+ 2 separators 382213 assembled each 2nd link

+ 1 set KMA mounting brackets 38022.400 [1].12.[C]

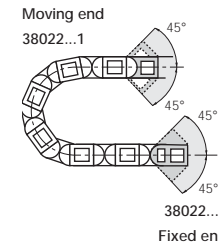
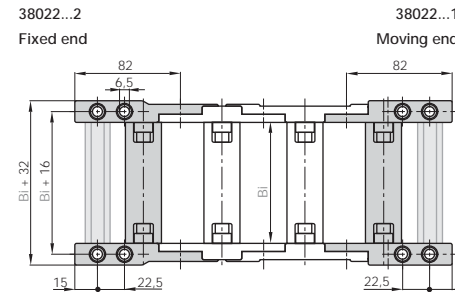
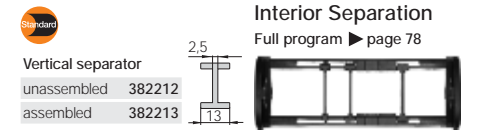
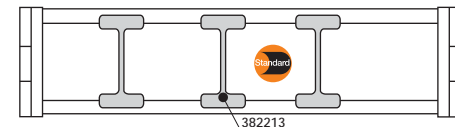
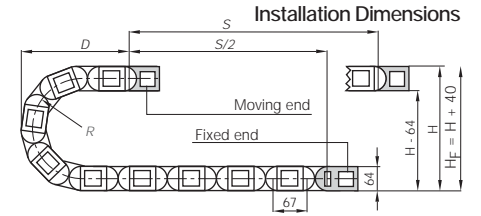
(with odd numbers of links and integrated C-profile)

E4/00 | Series 38022 | Line extension

Pitch = 67 mm Links per m = 15 Chain length = $S/2 + K$

R	075	100	115	125	150	170	200	215	250	300	350
$H_{z,25}$	215	265	295	315	365	405	465	495	565	665	765
D	174	199	214	224	249	269	299	314	349	399	449
K	370	450	500	530	610	670	765	810	920	1080	1235

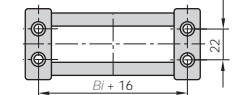
The required clearance height is $H_F = H + 40$ mm (bei 2,0 kg/m Zusatzlast). Please consult igus® if space is particularly restricted.



Mounting Brackets

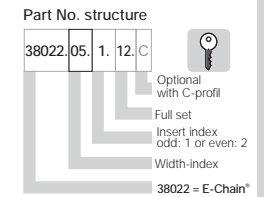


KMA pivoting - mounting with
M6 socket head cup bolt
(KMA = Polymer Metal Mounting Bracket)



For E-Chain* width-index	Part No. full set optional with C-profile	B_i [mm]
.05.	38022.05. [1].12.[C]	50
.06.	38022.06. [1].12.[C]	68
.07.	38022.07. [1].12.[C]	75
.087.	38022.087. [1].12.[C]	87
.10.	38022.10. [1].12.[C]	100
.11.	38022.11. [1].12.[C]	108
.112.	38022.112. [1].12.[C]	112
.12.	38022.12. [1].12.[C]	125
.137.	38022.137. [1].12.[C]	137
.15.	38022.15. [1].12.[C]	150
.162.	38022.162. [1].12.[C]	162
.17.	38022.17. [1].12.[C]	168
.18.	38022.18. [1].12.[C]	175
.187.	38022.187. [1].12.[C]	187
.20.	38022.20. [1].12.[C]	200
.212.	38022.212. [1].12.[C]	212

For E-Chain* width-index	Part No. full set optional with C-profile	B_i [mm]
.23.	38022.23. [1].12.[C]	225
.237.	38022.237. [1].12.[C]	237
.25.	38022.25. [1].12.[C]	250
.262.	38022.262. [1].12.[C]	262
.28.	38022.28. [1].12.[C]	275
.30.	38022.30. [1].12.[C]	300
.312.	38022.312. [1].12.[C]	312
.325.	38022.325. [1].12.[C]	325
.337.	38022.337. [1].12.[C]	337
.350.	38022.350. [1].12.[C]	350
.362.	38022.362. [1].12.[C]	362
.375.	38022.375. [1].12.[C]	375
.387.	38022.387. [1].12.[C]	387
.400.	38022.400. [1].12.[C]	400



Note: The E4/00 System may end with either an inner side or an outer side link. Keep in mind that an outer side link always forms the first chain link at the moving end. The Part No. depend on an even or odd numbers of links. Please insert: index odd/even:
[1] for odd number of links
[2] for even number of links



Interior separation
with locking shelves

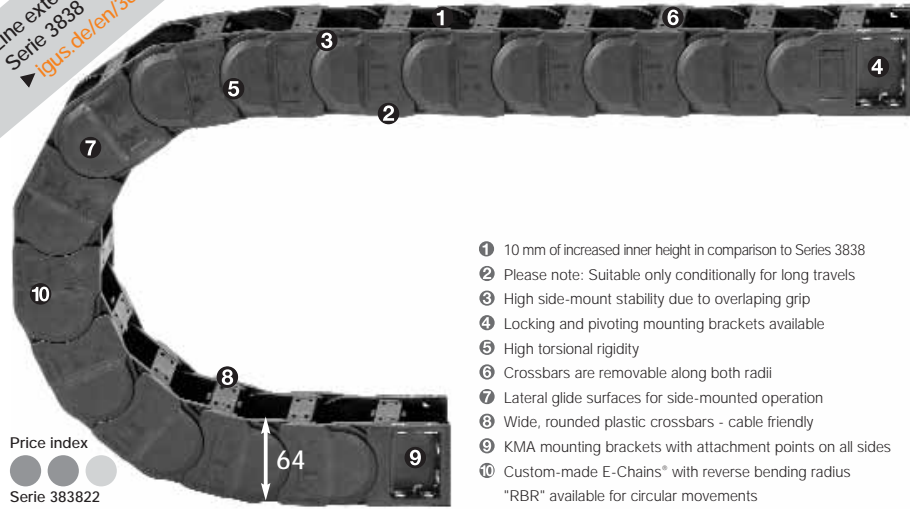


Optional: Mounting bracket
KMA, locking, Part No. 39022.XX

Additional Features

Line extension
Serie 3838 "E4/4"
▶ igus.de/en/3838

igus® E-ChainSystems®

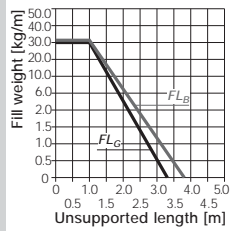


Price index
● ● ●
Serie 383822

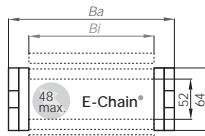
- ① 10 mm of increased inner height in comparison to Series 3838
- ② Please note: Suitable only conditionally for long travels
- ③ High side-mount stability due to overlapping grip
- ④ Locking and pivoting mounting brackets available
- ⑤ High torsional rigidity
- ⑥ Crossbars are removable along both radii
- ⑦ Lateral glide surfaces for side-mounted operation
- ⑧ Wide, rounded plastic crossbars - cable friendly
- ⑨ KMA mounting brackets with attachment points on all sides
- ⑩ Custom-made E-Chains* with reverse bending radius "RBR" available for circular movements

Phone +49- (0) 22 03-96 49-800
Fax +49- (0) 22 03-96 49-222

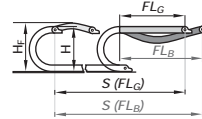
igus® GmbH
51147 Cologne



Serie 383822 - crossbars every link



Length of travel S [m]
0 2 4 6 8 10



Part No. structure

383822.30.300.0

Black = standard color, other colors ▶ page 5.59

Bending radius

Width-index

Series

Order example 4,0 m complete E-Chain*
(indicate chain-lengths or number of links)
4,0 m (60 links) Series 383822.30.300.0
+ 2 separators 382213 assembled each 2nd link
+ 1 set KMA mounting brackets 383822.30.12.C
(with integrated C-profile)

Part No.	Bi [mm]	Ba [mm]	R [mm]	Bending Radii
383822.05...	50	77	075	100 115
383822.06...	68	95	125	150 170
383822.07...	75	102	200	215 250
383822.087...	087	115	300	350
383822.10...	100	127		
383822.11...	108	135		
383822.112...	112	140		
383822.12...	125	152		
383822.137...	137	165		
383822.15...	150	177		
383822.162...	162	190		
383822.17...	168	195		
383822.18...	175	202		
383822.187...	187	215		
383822.20...	200	227		
383822.212...	212	240		
383822.23...	225	252		
383822.237...	237	265		
383822.25...	250	277		
383822.262...	262	290		
383822.28...	275	302		
383822.29...	287	315		
383822.30...	300	327		
383822.312...	312	340		
383822.325...	325	352		
383822.337...	337	365		
383822.350...	350	377		
383822.362...	362	390		
383822.375...	375	402		
383822.387...	387	415		
383822.400...	400	427		

Supplement Part No. with required radius. Example: 383822.30.300.0
Bending radii listed above can be combined with every chain width!

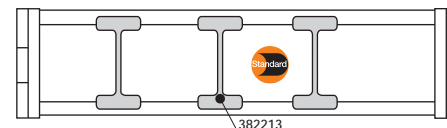
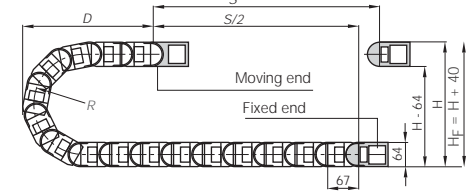
E4/4 | Series 383822 | Line extension

Pitch = 67 mm Links per m = 15 Chain length = $S/2 + K$

R	075	100	115	125	150	170	200	215	250	300	350
H _{2.5}	215	265	295	315	365	405	465	495	565	665	765
D	174	199	214	224	249	269	299	314	349	399	449
K	370	450	500	530	610	670	765	810	920	1080	1235

The required clearance height is H_F = H + 40 mm (with 2,0 kg/m fill weight). Please consult igus® if space is particularly restricted.

Installation Dimensions



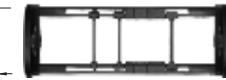
Standard

Vertical separator

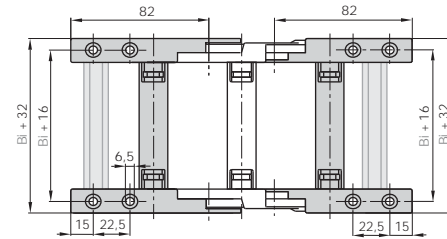
unassembled 382212
assembled 382213

Interior Separation

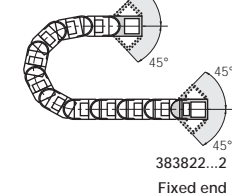
Full program ▶ page 78



383822...2
Fixed end



Moving end
383822...1



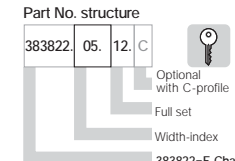
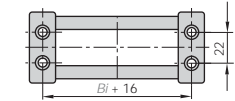
Mounting Brackets



KMA pivoting - mounting with
M6 socket head cup bolt
(KMA = Polymer Metal Mounting Bracket)

For E-Chain* Part No. full set	width-index	optional with C-profile	Bi [mm]
.05.	▶	383822.05 .12.C	50
.06.	▶	383822.06 .12.C	68
.07.	▶	383822.07 .12.C	75
.087.	▶	383822.087 .12.C	87
.10.	▶	383822.10 .12.C	100
.11.	▶	383822.11 .12.C	108
.112.	▶	383822.112 .12.C	112
.12.	▶	383822.12 .12.C	125
.137.	▶	383822.137 .12.C	137
.15.	▶	383822.15 .12.C	150
.162.	▶	383822.162 .12.C	162
.17.	▶	383822.17 .12.C	168
.18.	▶	383822.18 .12.C	175
.187.	▶	383822.187 .12.C	187
.20.	▶	383822.20 .12.C	200
.212.	▶	383822.212 .12.C	212

For E-Chain* Part No. full set	width-index	optional with C-profile	Bi [mm]
.23.	▶	383822.23 .12.C	225
.237.	▶	383822.237 .12.C	237
.25.	▶	383822.25 .12.C	250
.262.	▶	383822.262 .12.C	262
.28.	▶	383822.28 .12.C	275
.29.	▶	383822.29 .12.C	287
.30.	▶	383822.30 .12.C	300
.312.	▶	383822.312 .12.C	312
.325.	▶	383822.325 .12.C	325
.337.	▶	383822.337 .12.C	337
.350.	▶	383822.350 .12.C	350
.362.	▶	383822.362 .12.C	362
.375.	▶	383822.375 .12.C	375
.387.	▶	383822.387 .12.C	387
.400.	▶	383822.400 .12.C	400



Full set, for both ends:
383822.05.12
Single-part order:
383822.05.1
Mounting bracket with bore
383822.05.2
Mounting bracket with pin



Interior separation
with locking shelves



Optional: Mounting bracket KMA,
locking, Part No. 393822.XX

Weitere Features

Part No. structure

3822. 30. 300. 0

- Black = standard color, other colors ▶ page 5.59
- Bending radius
- Width-index
- Series

Order example 4,0 m complete E-Chain®

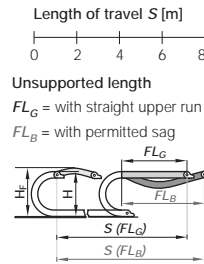
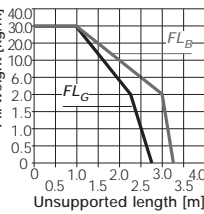
(indicate chain-lengths or number of links)

4,0 m (60 links) Series 3822.30.300.0

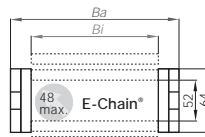
+ 2 separators 382213 assembled each 2nd link

+ 1 set KMA mounting brackets 3822.30.12.C

(with integrated C-profile)



Serie 3822 - crossbars every link



Part No.	Bi [mm]	Ba [mm]	R [mm]	Bending Radii
3822.05...	50	77	075	100 115
3822.06...	68	95	125	150 170
3822.07...	75	102	200	215 250
3822.087...	87	115	300	350
3822.10...	100	127	Radii for all widths!	
3822.11...	108	135		
3822.112...	112	140		
3822.12...	125	152		
3822.137...	137	165		
3822.15...	150	177		
3822.162...	162	190		
3822.17...	168	195		
3822.18...	175	202		
3822.187...	187	215		
3822.20...	200	227		
3822.212...	212	240		
3822.23...	225	252		
3822.237...	237	265		
3822.25...	250	277		
3822.262...	262	290		
3822.28...	275	302		
3822.29...	287	315		
3822.30...	300	327		
3822.312...	312	340		
3822.325...	325	352		
3822.337...	337	365		
3822.350...	350	377		
3822.362...	362	390		
3822.375...	375	403		
3822.387...	387	415		
3822.400...	400	427		

Supplement Part No. with required radius. Example: 3822.30.300.0

Bending radii listed above can be combined with every chain width!

Based on Series 38 - Version with increased inner height
E4/0 | Series 3822 | Line extension

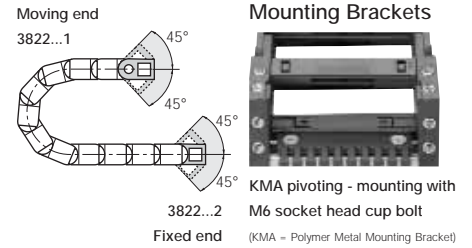
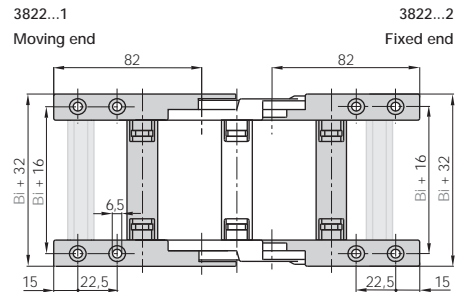
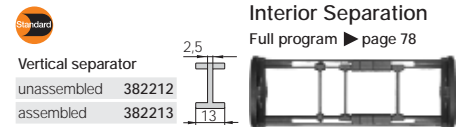
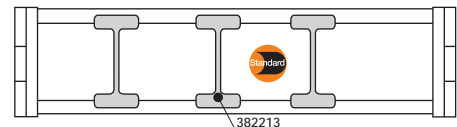
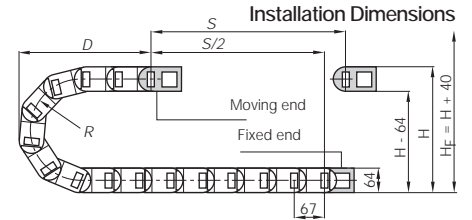


E4/0 | Series 3822 | Line extension

Pitch = 67 mm Links per m = 15 Chain length = $S/2 + K$

R	075	100	115	125	150	170	200	215	250	300	350
H ²⁵	215	265	295	315	365	405	465	495	565	665	765
D	174	199	214	224	249	269	299	314	349	399	449
K	370	450	500	530	610	670	765	810	920	1080	1235

The required clearance height is $H_F = H + 40$ mm (with 2,0 kg/m fill weight). Please consult igus® if space is particularly restricted.

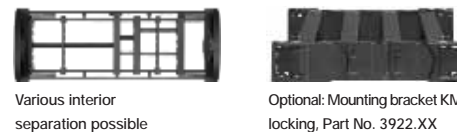
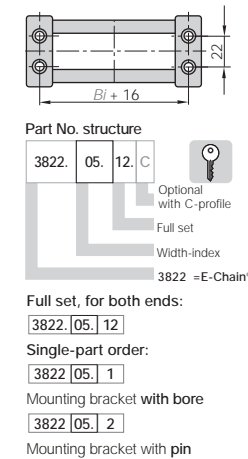


For E-Chain® Part No. full set

width-index	optional with C-profile	Bi [mm]
.05.	3822.05 . .12.C	50
.06.	3822.06 . .12.C	68
.07.	3822.07 . .12.C	75
.087.	3822.087 . .12.C	87
.10.	3822.10 . .12.C	100
.11.	3822.11 . .12.C	108
.112.	3822.112 . .12.C	112
.12.	3822.12 . .12.C	125
.137.	3822.137 . .12.C	137
.15.	3822.15 . .12.C	150
.162.	3822.162 . .12.C	162
.17.	3822.17 . .12.C	168
.18.	3822.18 . .12.C	175
.187.	3822.187 . .12.C	187
.20.	3822.20 . .12.C	200
.212.	3822.212 . .12.C	212

For E-Chain® Part No. full set

width-index	optional with C-profile	Bi [mm]
.23.	3822.23 . .12.C	225
.237.	3822.237 . .12.C	237
.25.	3822.25 . .12.C	250
.262.	3822.262 . .12.C	262
.28.	3822.28 . .12.C	275
.29.	3822.29 . .12.C	287
.30.	3822.30 . .12.C	300
.312.	3822.312 . .12.C	312
.325.	3822.325 . .12.C	325
.337.	3822.337 . .12.C	337
.350.	3822.350 . .12.C	350
.362.	3822.362 . .12.C	362
.375.	3822.375 . .12.C	375
.387.	3822.387 . .12.C	387
.400.	3822.400 . .12.C	400



Weitere Features



Vertical separator	
unassembled	382212
assembled	382213

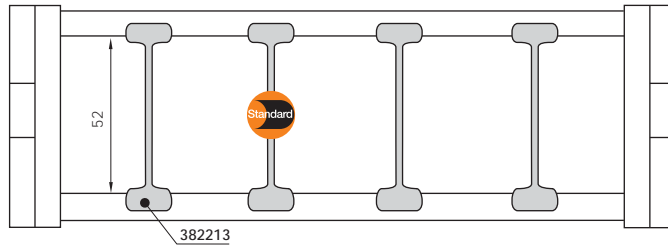


Option 1: Vertical separator

Vertical separators are used if a vertical subdivision of the E-Chain® interior is required -

By standard vertical separators are assembled every other E-Chain® link

- Standard separator 382212 for E-Chains® offers safe stability due to its wide base design, also when used with thick cables or hoses



Separator, slotted	
unassembled	38221
assembled	38222



Option 2: Shelves

For applications involving many cables with different diameters. The Shelves can be arranged elevator-shifted with different bottoms within the entire E-Chain® width

- Shelf 2210.X can be combined with Separator, slotted 38221, Locking separator 38228, Locking vertical separator 382214, Side plate 3822 and Slotted separator 38225

Locking separator	
unassembled	38228
assembled	38229



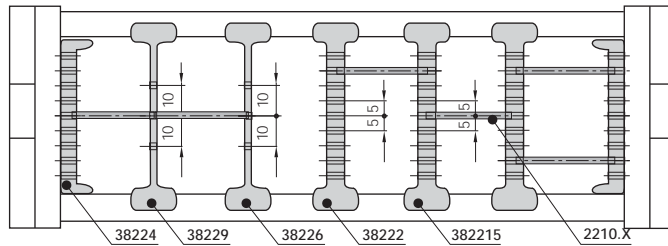
Locking vertical separator	
unassembled	382214
assembled	382215



Side plate	
unassembled	38223
assembled	38224



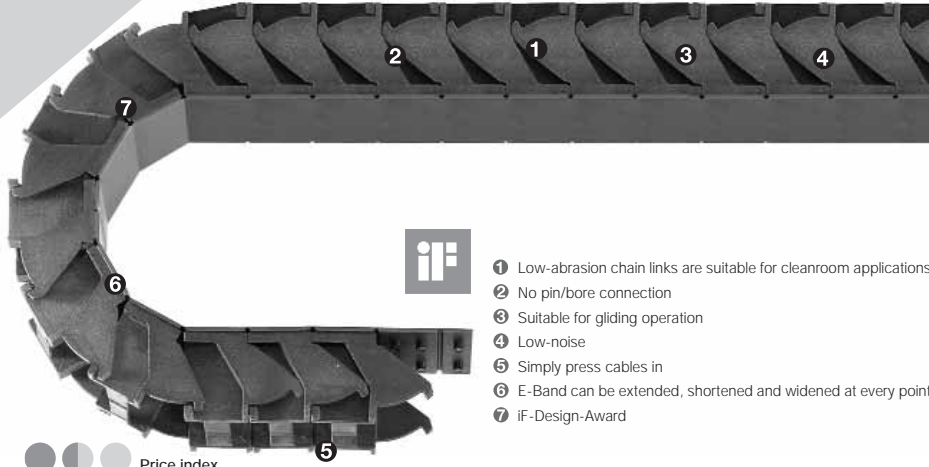
Slotted separator	
unassembled	38225
assembled	38226



Shelf	
X	
X - 7	
t = 2.5	

Width X [mm]	Part No. unassembled	Part No. assembled	Width X [mm]	Part No. unassembled	Part No. assembled
18	2200.18	2210.18	58	2200.58	2210.58
23	2200.23	2210.23	68	2200.68	2210.68
28	2200.28	2210.28	73	2200.73	2210.73
33	2200.33	2210.33	88	2200.88	2210.88
38	2200.38	2210.38	99	2200.99	2210.99
43	2200.43	2210.43	124	2200.124	2210.124
48	2200.48	2210.48	149	2200.149	2210.149



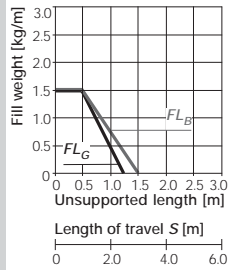


- ① Low-abrasion chain links are suitable for cleanroom applications
- ② No pin/bore connection
- ③ Suitable for gliding operation
- ④ Low-noise
- ⑤ Simply press cables in
- ⑥ E-Band can be extended, shortened and widened at every point
- ⑦ IF-Design-Award

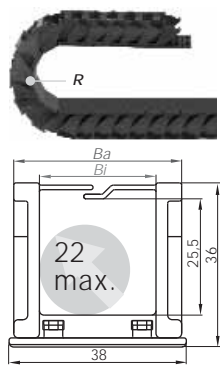
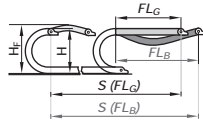


Phone +49- (0) 22 03-96 49-800
 Fax +49- (0) 22 03-96 49-222

igus® GmbH
 51147 Cologne



Unsupported length
 FL_G = with straight upper run
 FL_B = with permitted sag

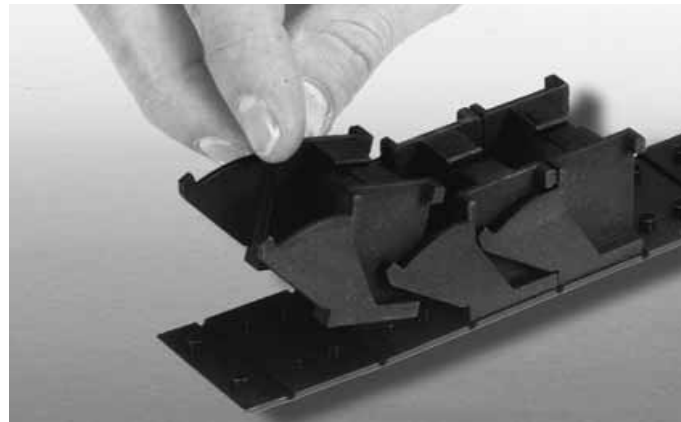


E-Band - split crossbar along the outer radius

Part No.	Bi [mm]	Ba [mm]	R [mm] Bending Radii
EB20.025.□.0	25	36	045 063* 075* 100* 125* 150* 175* 200*

Radii for all widths!
 *available upon request!

Supplement Part No. with required radius. Example: EB20.025.045.0
 Bending radii listed above can be combined with every chain width!



Modular band - simple installation

Part No. structure

EB20.025.045.0	Color black
	Bending radius
	Width
	Series

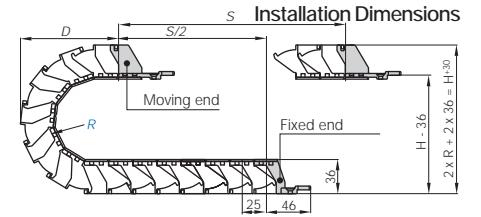
Order example 2,0 m complete E-Chain*
 (indicate chain-lengths or number of links)
 1,0 m (40 links) Series EB20.025.045.0
 + 1 set mounting brackets EB20.025.12.PZ



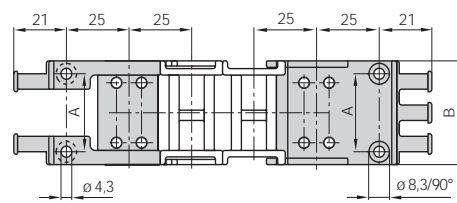
Pitch = 25 mm Links per m = 40 (2 Bänder/m) Chain length = $S/2 + K$

R	045	063	075	100	125	150	175	200
H	162	198	222	272	322	372	422	472
D	110	128	140	165	190	215	240	265
K	200	250	300	375	450	525	600	675

The required clearance height is $H_F = H + 30$ mm (with 0,3 kg/m fill weight). Please consult igus® if space is particularly restricted.

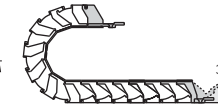


EB20.025.2.PZ
 Fixed end



EB20.025.1.PZ
 Moving end

Moving end
 EB20.025.1.PZ



Mounting Brackets



EB20.025.2.PZ Fixed end
 One-piece mounting brackets with strain relief tiwrap plates

For E-Chain*	Part No.	Dimension A [mm]	Dimension B [mm]
Standard full set with tiwrap plate			
EB20.025.▶	EB20.025.12.PZ	26	36

Tiwrap plates are possible at the moving end and/or the fixed end!



E-Band can be widened at every point

Additional Features

For more features
 ▶ see link below

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