





E2 micro

Zip fastening e-chains® and e-tubes



Advantages of the E2 micro series:

- For the smallest applications
- Lightweight and cost-effective
- Quiet operation due to small pitch
- Ideal for applications with low inertia
- Variety of options - E2 micro as non-openable or openable along the inner or outer radius



When to use another e-chain® series:

- When openable crossbars are required
 - ▶ E2.1 micro, page 334
 - ▶ zipper, page 240
- When easy filling with connectorized cables is required
 - ▶ E2.1 micro, page 334



Universal connection:
mounting bracket with
strain relief option

Cost-efficient:
very lightweight, low price

Smooth Design:
dirt-repellent outer contour

Smooth running:
small pitch for low-
noise, smooth running

Cost-effective:
one-piece design,
non-openable



Series 074 /094:
molded crossbar,
openable along the inner
radius with film hinge



Series B07/B09:
openable along the
outer radius

Smallest inner heights and bend radii - E2 micro

E2 micro e-chains® are very small, one- and two-piece (B07/B09) e-chains® with low weight, making them ideal for highly dynamic applications. E2.1 micro e-chains® are optimal for smallest installation spaces, and are available in many versions. igus® also offers numerous accessories and mounting options. Upgrades of the openable versions are available for many types; different types are interchangeable and can therefore be used as, spare parts for existing applications, for example.

Typical industries and applications

● Models (micro e-chain®) ● Automatic doors ● Vehicles ● Measuring machines ● Electronic engineering ● Handling ● Pick and place robots ● General machinery, etc.



Cleanroom test
upon request



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



iF product design award
1989 igus® series 05

For new designs we recommend E2.1 micro system series: 1) E2C.10, 2) E2C.15, 3) E2.10, 4) E2.15 ► From page 333

E2 micro | Selection table

Series	Inner height		Inner width		Outer width		Outer height		Bending radius		Unsupported length
	hi		Bi		Ba		ha		R		≤ ft. (m)
	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	



**E2 micro -
one-piece design**
non-openable

03	.20	(5)	.20-.39	(5-10)	.34-.54	(8.7-13.7)	.31	(8)	.39-1.10	(010-028)	1.31 (0.40)
04	.28	(7)	.28-1.18	(7-30)	.47-1.38	(12-35)	.39	(10)	.59-1.89	(015-048)	1.64 (0.50)
05	.39	(10)	.24-2.52	(6-64)	.39-2.68	(10-68)	.47	(12)	.71-1.50	(018-038)	1.80 (0.55)
045	.41	(10.3)	.24-2.52	(6-64)	.47-2.76	(12-70)	.49	(12.5)	.71-1.50	(018-038)	1.64 (0.50)
06 ¹⁾	.41	(10.5)	.24-2.52	(6-64)	.49-2.80	(12.5-71)	.59	(15)	.71-1.50	(018-038)	1.97 (0.60)
08 ²⁾	.59	(15)	.39-1.97	(10-50)	.72-2.29	(18.2-58.2)	.76	(19.3)	.98-1.89	(025-048)	3.28 (1.00)



**E2 micro -
one-piece design**
openable along the inner
radius with film hinge

074	.45	(11.5)	.39-.79	(10-20)	.64-1.04	(16.3-26.3)	.59	(15)	.71-1.50	(018-038)	1.80 (0.55)
094	.61	(15.6)	.39-1.18	(10-30)	.72-1.50	(18.2-38.2)	.76	(19.3)	1.10-1.89	(028-048)	3.28 (1.00)



**E2 micro -
two-piece design**
openable along the outer radius

B07 ³⁾	.41	(10.3)	.63-1.57	(16-40)	.89-1.85	(22.5-47.0)	.59	(15)	.71-1.50	(018-038)	1.80 (0.55)
B09 ⁴⁾	.56	(14.3)	.63-1.57	(16-40)	.95-1.90	(24.2-48.2)	.76	(19.3)	1.10-1.89	(028-048)	3.28 (1.00)

For new designs we recommend E2 micro new generation series 1) E2C-10, 2) E2C-15, 3) E2-10, 4) E2-15

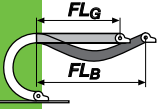
E2 micro | Technical data | Overview

Technical data



Speed gliding / acceleration gliding

≤ 9.84 ft. (3 m/s) / ≤ 32.81 ft. (10 m/s²)



Speed FL_G / acceleration FL_G

≤ 65.6 ft/s (20 m/s) / ≤ 656 ft/s² (200 m/s²)

Speed FL_B / acceleration FL_B

≤ 9.84 ft. (3 m/s) / ≤ 19.69 ft/s² (6 m/s²)



Material - permitted temperature °F, igumid G

-40°F (-40°C) / +248°F (+120°C)

Material - permitted temperature °F, igumid NB (only series 03, 074, 094)

-40°F (-40°C) / +176°F (+80°C)

Material lower part - permitted temperature °F, igumid G (only series B07, B09)

-40°F (-40°C) / +248°F (+120°C)

Material crossbar - permitted temperature °F, igumid NB (only series B07, B09)

-40°F (-40°C) / +158°F (+70°C)



Flammability class

igumid G = VDE 0304 IIC UL94-HB / igumid NB = VDE 0304 IIC UL94-V2

■ FL_G = unsupported with straight upper run ■ FL_B = unsupported with permitted sag *Available in igumid NB. Delivery time upon request.

Installation types, maximum travels

Series	 Unsupported	 Vertical hanging	 Vertical standing	 Side mounted unsupported	 Rotary	 Zig-zag
03	≤ 2.62 ft. (0.80m)	upon request	upon request	upon request	with rework	upon request
04	≤ 3.28 ft. (1.00m)	upon request	upon request	upon request	with rework	upon request
05	≤ 3.61 ft. (1.10m)	upon request	upon request	upon request	with rework	upon request
045	≤ 3.28 ft. (1.00m)	upon request	upon request	upon request	with rework	upon request
B07 ³⁾	≤ 3.61 ft. (1.10m)	upon request	upon request	upon request	with rework	upon request
06 ¹⁾	≤ 3.94 ft. (1.20m)	upon request	upon request	upon request	with rework	upon request
074	≤ 3.61 ft. (1.10m)	upon request	upon request	upon request	with rework	upon request
094	max. ≤ 6.56 ft. (2.00m)	upon request	upon request	upon request	with rework	upon request
B09 ⁴⁾	max. ≤ 6.56 ft. (2.00m)	upon request	upon request	upon request	with rework	upon request
08 ²⁾	max. ≤ 6.56 ft. (2.00m)	upon request	upon request	upon request	with rework	upon request

For new designs we recommend E2.1 micro system series: 1) E2C.10, 2) E2C.15, 3) E2.10, 4) E2.15 ► From page 334

E2 micro | Options and order keys

Options with order keys | Examples based on series 08



Standard

NC version -
(No Camber)
without pretension

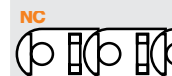
Reverse Bend Radius
(RBR) for circular
movements

ESD - electrically
conductive
material

Part No.
Standard



Part No.
NC version



Part No.
RBR



Part No.
igumid ESD**



08.50.R.0

08.50.R.0.NC

08.50.R1/R2.0

08.50.R.0.ESD



Orders ship as
early as today*

Ready to ship in
3-5 business days*

Ready to ship
in 12 business days*

Delivery time
upon request*

RBR version (Reverse Bend Radius) - some radii available from stock - further information and the complete product range ► From page 132

**If an ESD-Version (Electro Static Discharge) from stock is required, please select an E2.1 system ► From page 144

*On average 90% of orders ship the same day.

Order example | Order key and color examples | Examples based on series 08



Order example for complete e-chain® 3.28 ft. (1m),
color black, with mounting brackets and interior separation:

e-chain® 3.28 ft. (1m) Please indicate e-chain® length or number of links: 3.28ft.(1m) or 50 links 08.50.038.0

+ Mounting brackets 1 set (with tiwrap plates) 080.50.12PZ

Interior separation with 2 separators assembled every 2nd link 2 x B09.2.1

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



Order key

One-piece, non-openable

08.50.038.0

Order index for color options

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

Black e-chains® ship as early as today.*
Above special colors upon request.

Series / Type
Width index (depends on B)
Bend radius R
Colour index (standard black)





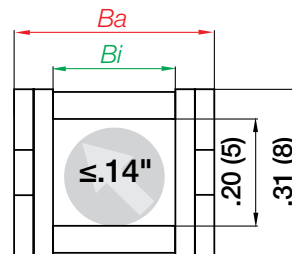
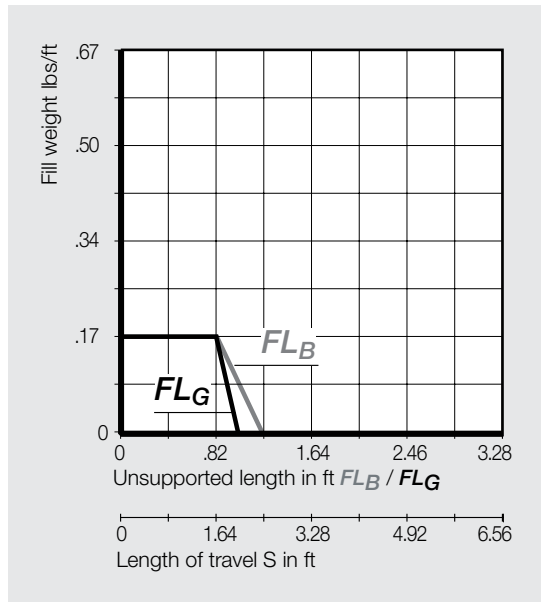
e-chains® | Series 03 | One-piece, non-openable

Part No.	<i>Bi</i>	<i>Ba</i>	<i>R</i> Available bend radii	Weight
e-chains®	in. (mm)	in. (mm)	in. (mm)	lbs/ft. (kg/m)
03.05. <i>R</i> .0Ⓢ	.20 (5)	.34 (8.7)	0.39 (010) 0.47 (012) 0.59 (015) 0.71 (018) 1.10 (028)	≈ 0.027 (0.04)
03.07. <i>R</i> .0	.28 (7)	.42 (10.7)	0.39 (010) 0.47 (012) 0.59 (015) 0.71 (018) 1.10 (028)	≈ 0.034 (0.05)
03.10. <i>R</i> .0Ⓢ	.39 (10)	.54 (13.7)	0.39 (010) 0.47 (012) 0.59 (015) 0.71 (018) 1.10 (028)	≈ 0.040 (0.06)

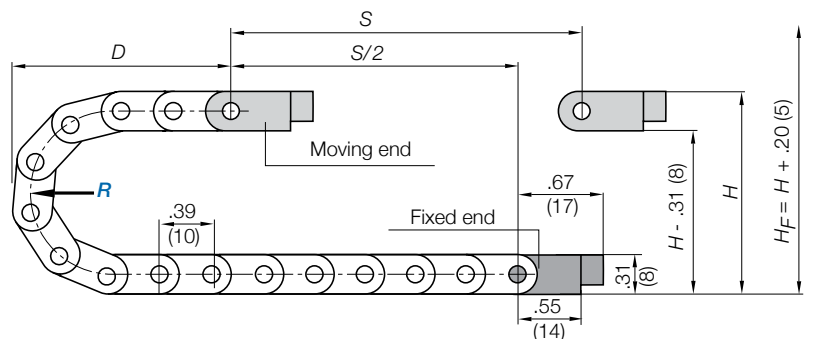
Ⓢ *RBR* version (Reverse Bend Radius), some radii available from stock. More information ► From page 132

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

Installation dimensions



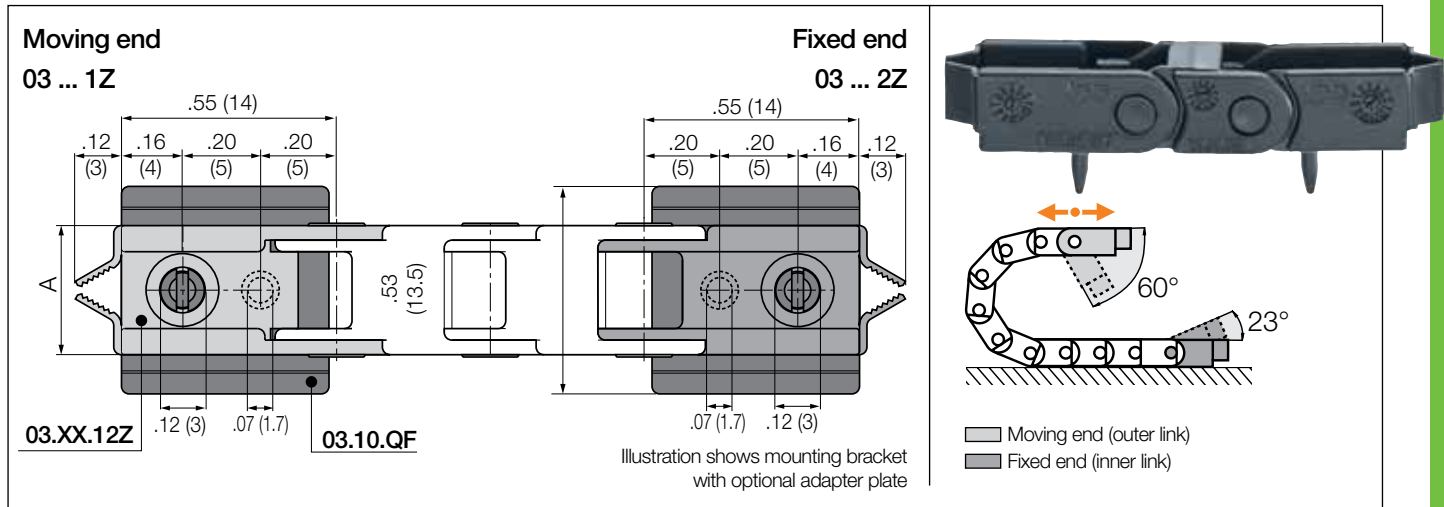
Inner height in. (mm)	.20 (5)
Pitch per link in. (mm)	.39 (10)
Links/ft (m)	30.77 (100)
corresponds to (mm)	1,000
e-chain® length	$L_K = \frac{S}{2} + K$



<i>R</i>	.39 (010)	.47 (012)	.59 (015)	.71 (018)	1.10 (028)
<i>H</i>	1.10 (28)	1.26 (32)	1.50 (38)	1.73 (44)	2.52 (64)
<i>D</i>	1.14 (29)	1.22 (31)	1.34 (34)	1.46 (37)	1.85 (47)
<i>K</i>	2.17 (55)	2.36 (60)	2.76 (70)	3.15 (80)	4.33 (110)

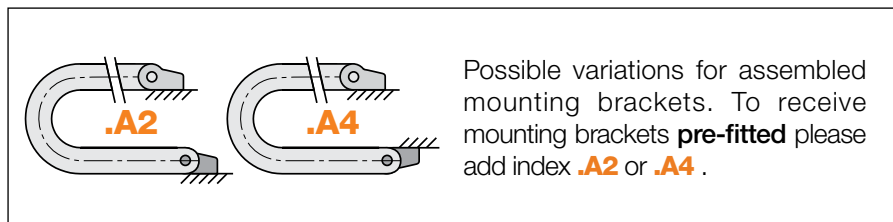
The required clearance height: $H_F = H + .39$ in. (10mm) with .067 lbs/ft (0.1 kg/m) fill weight.

Mounting brackets, polymer one-piece | Pivoting

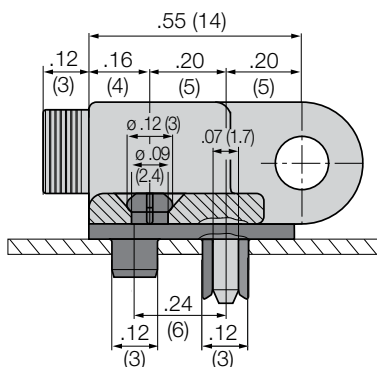


Width index	Part No. full set with tiewrap plates	A in. (mm)
5. ▶	03.05.12Z	.34 (8.7)
7. ▶	03.07.12Z	.42 (10.7)
10.	03.10.12Z	.54 (13.7)

Material mounting bracket - igumid G, temperature: -40°F up to 248°F (-40°C up to +120°C), VDE 0304 IIC UL94-HB



03.05.12Z.A2 Order example
 .A... to indicate option with brackets pre-fitted
 Full set
 Series



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

The adapter has scored lines so that it can be adapted to the respective e-chain® width. The adapter plate is not always necessary when attaching the mounting brackets as they can also be screwed on without the adapter plate.



Optional adapter plate

Lightweight

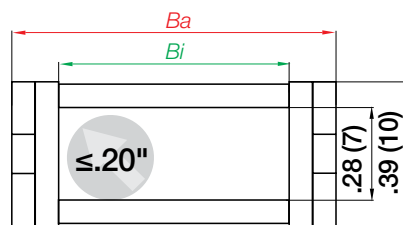
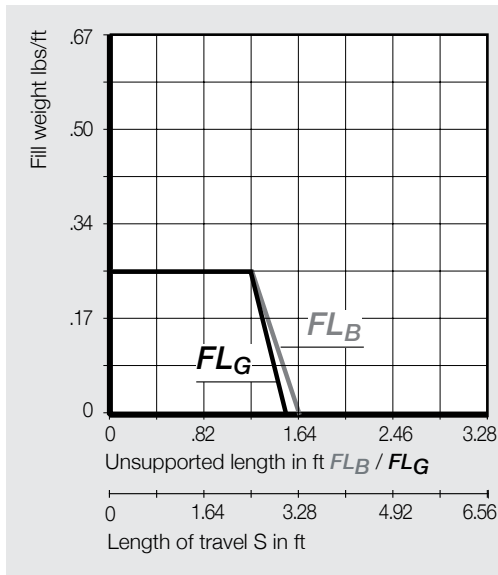


e-chains® | Series 03 | One-piece, non-openable

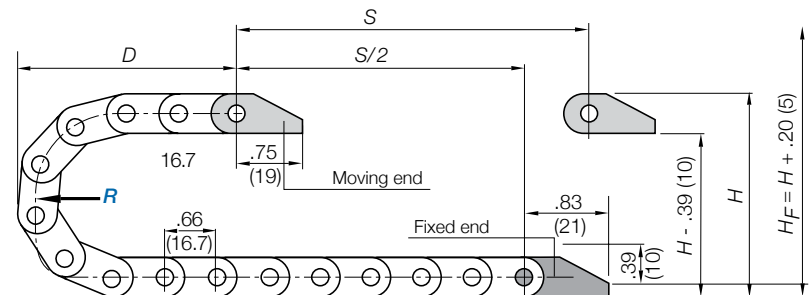
Part No.	<i>Bi</i>	<i>Ba</i>	<i>R</i> Available bend radii	Weight
e-chains®	in. (mm)	in. (mm)	in. (mm)	lbs/ft. (kg/m)
04.07. <i>R</i> .0	.28 (7)	.47 (12)	0.59 (015) 0.71 (018) 1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.047 (0.07)
04.10. <i>R</i> .0	.39 (10)	.59 (15)	0.59 (015) 0.71 (018) 1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.053 (0.08)
04.16. <i>R</i> .0	.63 (16)	.83 (21)	0.59 (015) 0.71 (018) 1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.060 (0.09)
04.20. <i>R</i> .0	.79 (20)	.98 (25)	0.59 (015) 0.71 (018) 1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.067 (0.10)
04.30. <i>R</i> .0	1.18 (30)	1.38 (35)	0.59 (015) 0.71 (018) 1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.073 (0.11)

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

Installation dimensions



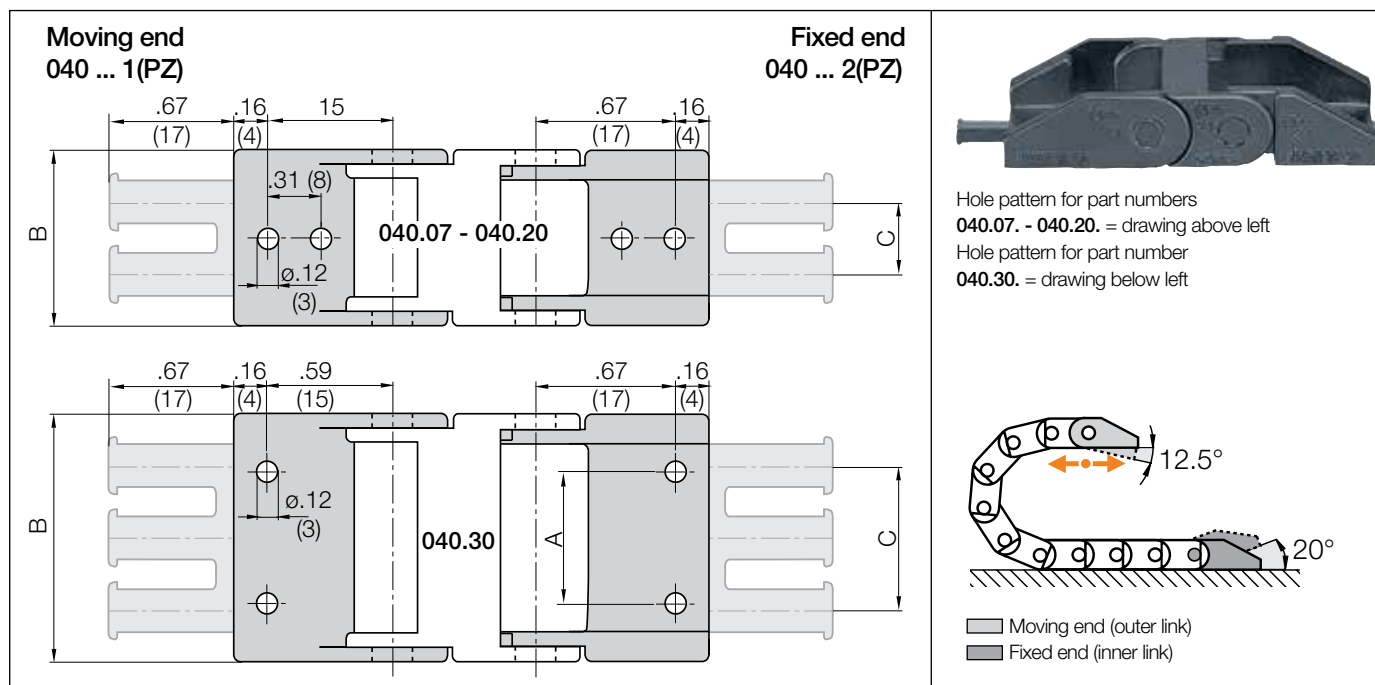
Inner height in. (mm)	.28 (7)
Pitch per link in. (mm)	.66 (16.7)
Links/ft (m)	18.18 (60)
corresponds to (mm)	1,000
e-chain® length	$L_K = \frac{S}{2} + K$



<i>R</i>	.59 (015)	.71 (018)	1.10 (028)	1.50 (038)	1.89 (048)
<i>H</i>	1.57 (40)	1.81 (46)	2.60 (66)	3.39 (86)	4.17 (106)
<i>D</i>	1.77 (45)	1.89 (48)	2.28 (58)	2.68 (68)	3.07 (78)
<i>K</i>	3.35 (85)	3.54 (90)	4.92 (125)	6.10 (155)	7.28 (185)

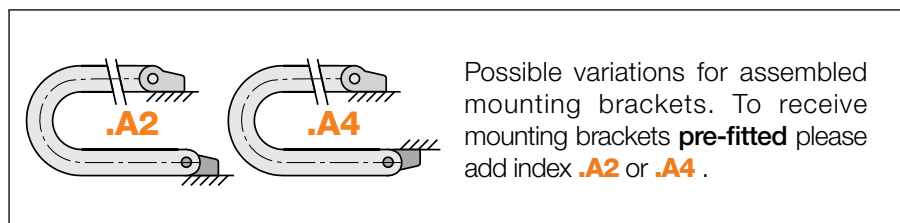
The required clearance height: $H_F = H + .20$ in. (5 mm) with .067 lbs/ft (0.1 kg/m) fill weight.

Mounting brackets, polymer one-piece | Pivoting



Width index		Part No. full set with tiwrap plates	Part No. full set without tiwrap plates	A in. (mm)	B in. (mm)	C in. (mm)	Number of teeth
7.	▶	040.07.12PZ	040.07.12	—	.47 (12)	—	1
10.	▶	040.10.12PZ	040.10.12	—	.59 (15)	—	1
16.	▶	040.16.12PZ	040.16.12	—	.83 (21)	.39 (10)	2
20.	▶	040.20.12PZ	040.20.12	—	.98 (25)	.39 (10)	2
30.	▶	040.30.12PZ	040.30.12	.87 (22)	1.38 (35)	.79 (20)	3

Material mounting bracket - igumid G, temperature: -40°F up to 248°F (-40°C up to +120°C), VDE 0304 IIC UL94-HB



040.07.12PZ.A2 Order example

.A... to indicate option with brackets pre-fitted

With integrated strain relief tiwrap plates

Full set

Series



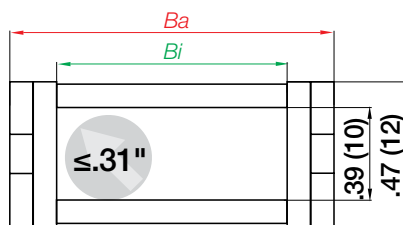
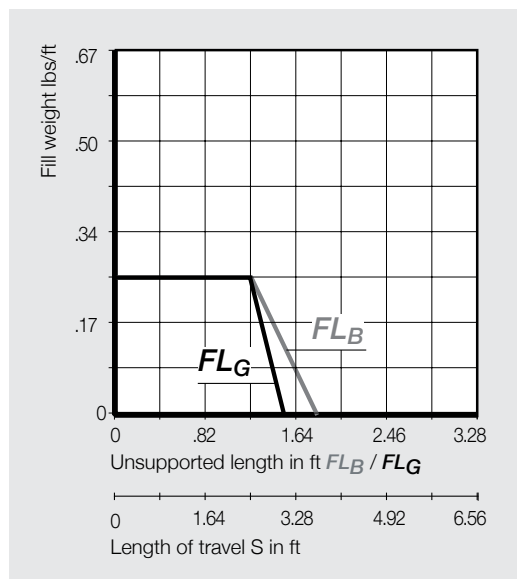
e-chains® | Series 05 | One-piece, non-openable

Part No.	<i>Bi</i>	<i>Ba</i>	<i>R</i> Available bend radii	Weight
e-chains®	in. (mm)	in. (mm)	in. (mm)	lbs/ft. (kg/m)
05.06. <i>R</i> .0	.28 (6)	.39 (10)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.040 (0.06)
05.10. <i>R</i> .0	.39 (10)	.55 (14)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.047 (0.07)
05.16. <i>R</i> .0	.63 (16)	.79 (20)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.047 (0.07)
05.20. <i>R</i> .0	.79 (20)	.94 (24)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.054 (0.08)
05.30. <i>R</i> .0	1.18 (30)	1.34 (34)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.060 (0.09)
05.64. <i>R</i> .0	2.52 (64)	2.68 (68)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.128 (0.19)

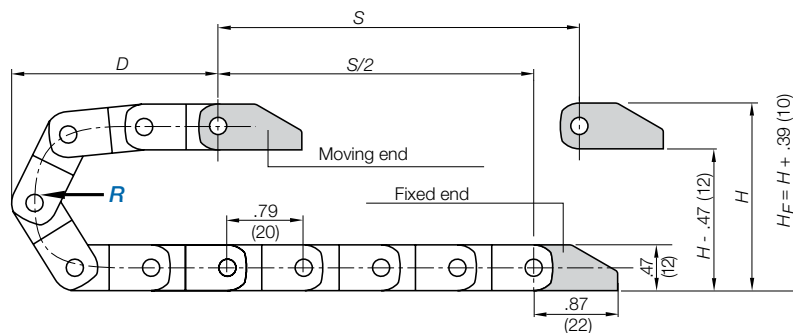
⊗ *RBR* version (Reverse Bend Radius), some radii available from stock. More information ► From page 144

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

Installation dimensions



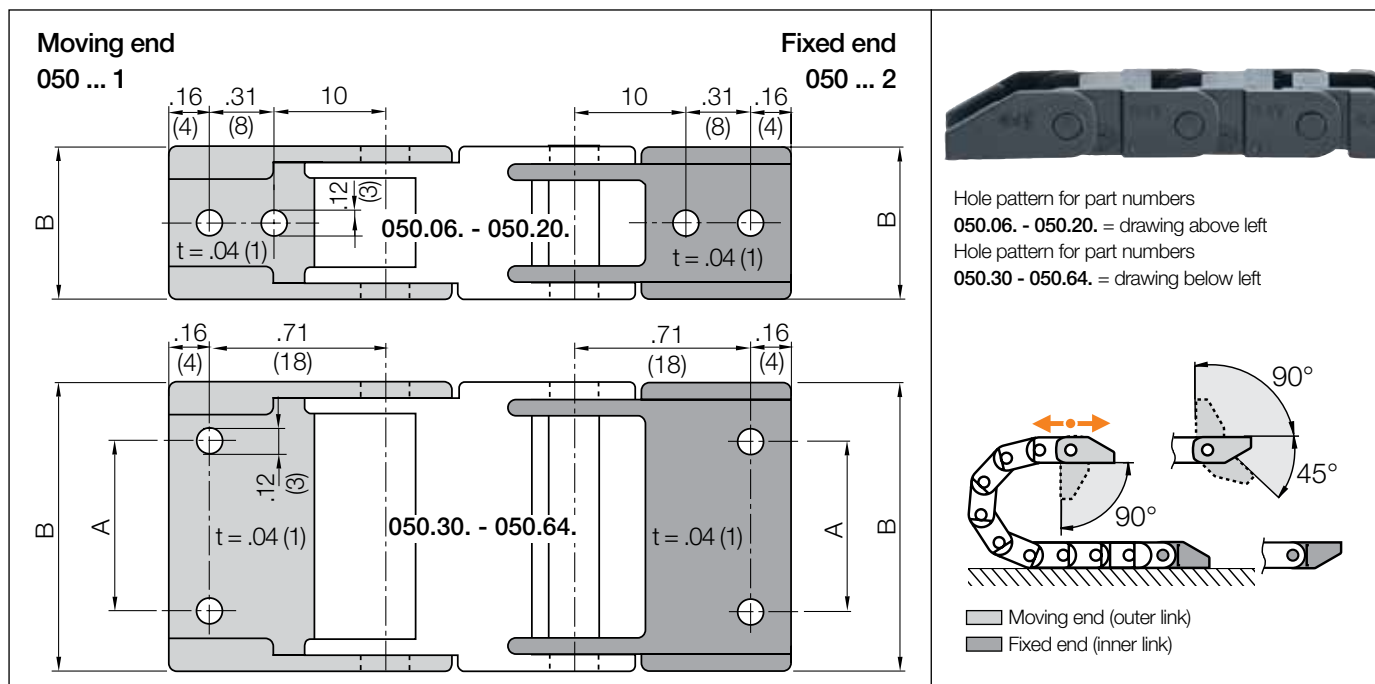
Inner height in. (mm)	.39 (10)
Pitch per link in. (mm)	.79 (20)
Links/ft (m)	15.19 (50)
corresponds to (mm)	1,000
e-chain® length	$L_K = \frac{S}{2} + K$



<i>R</i>	.71 (018)	1.10 (028)	1.50 (038)
<i>H</i>	1.89 (48)	2.68 (68)	3.46 (88)
<i>D</i>	2.13 (54)	2.52 (64)	2.91 (74)
<i>K</i>	3.94 (100)	5.12 (130)	6.30 (160)

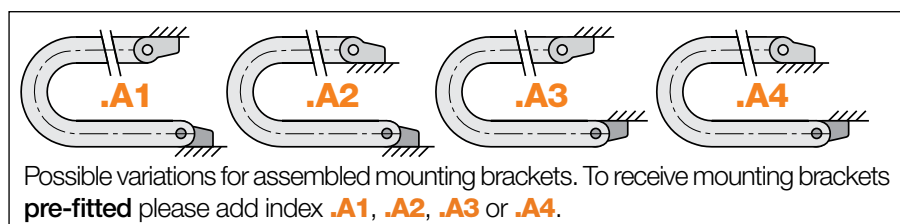
The required clearance height: $H_r = H + .39$ in. (10 mm) with .13 lbs/ft (0.2 kg/m) fill weight.

Mounting brackets, polymer one-piece | Pivoting



Width index	Part No. full set without tiewrap plates	A in. (mm)	B in. (mm)	Number of teeth
06. ▶	050.06.12	—	.42 (10.7)	—
10. ▶	050.10.12	—	.58 (14.7)	—
16. ▶	050.16.12	—	.81 (20.7)	—
20. ▶	050.20.12	—	.97 (24.7)	—
30. ▶	050.30.12	.87 (22)	1.57 (34.7)	—
64. ▶	050.64.12	2.20 (56)	2.70 (68.7)	—

Material mounting bracket - igumid G, temperature: -40°F up to 248°F (-40°C up to +120°C), VDE 0304 IIC UL94-HB



050.10.12.A2

Order example

.A... to indicate option with brackets pre-fitted
 Full set
 Series



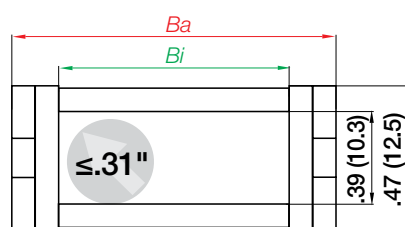
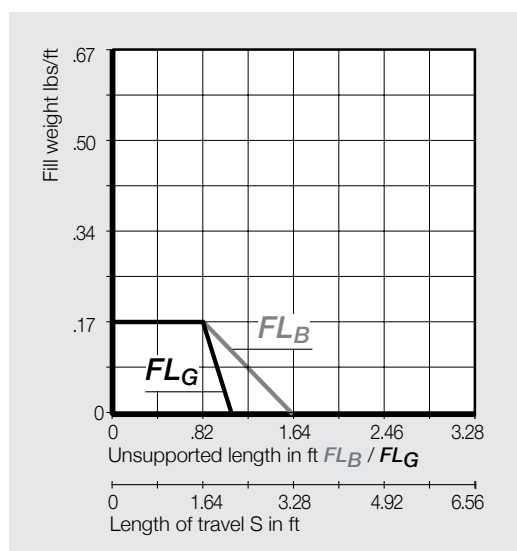
e-chains® | Series 045 | One-piece, non-openable

Part No.	<i>Bi</i>	<i>Ba</i>	<i>R</i> Available bend radii	Weight
e-chains®	in. (mm)	in. (mm)	in. (mm)	lbs/ft. (kg/m)
045.06. <i>R</i> .0	.28 (6)	.47 (12)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.060 (0.09)
045.10. <i>R</i> .0	.39 (10)	.63 (16)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.067 (0.10)
045.16. <i>R</i> .0	.63 (16)	.87 (22)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.074 (0.11)
045.20. <i>R</i> .0☺	.79 (20)	1.02 (26)	0.71 (018) 1.10 (028) 1.50 (038) 3.27 (083)	≈ 0.087 (0.13)
045.30. <i>R</i> .0☺	1.18 (30)	1.42 (36)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.108 (0.16)
045.64. <i>R</i> .0☺	2.52 (64)	2.76 (70)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.128 (0.19)

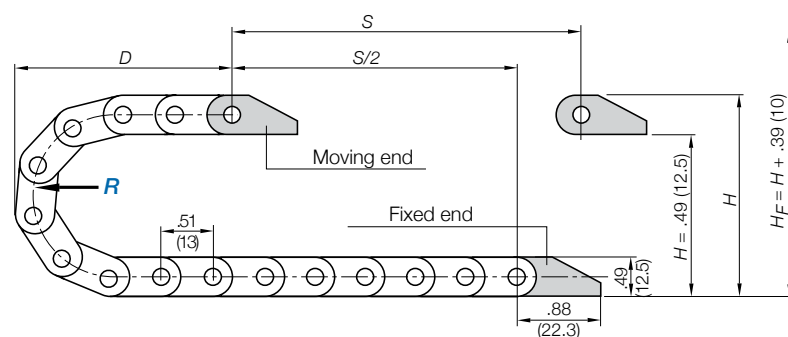
 **RBR** version (Reverse Bend Radius), some radii available from stock. More information ► **From page 132**

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

Installation dimensions



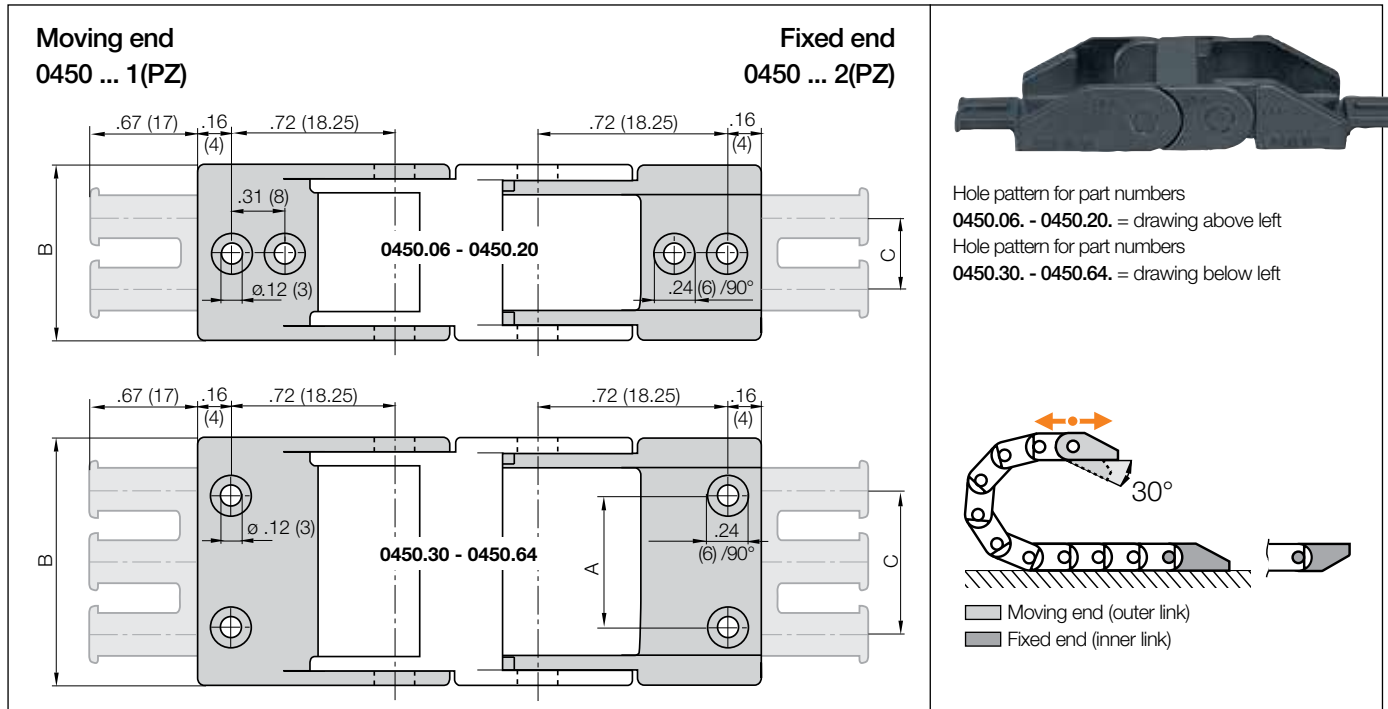
Inner height in. (mm)	.41 (10.3)
Pitch per link in. (mm)	.51 (13)
Links/ft (m)	23.53 (77)
corresponds to (mm)	1,000
e-chain ^a length	$L_K = \frac{s}{p} + K$



<i>R</i>	.71 (018)	1.10 (028)	1.50 (038)	3.27 (083)*
<i>H</i>	1.91 (48.5)	2.70 (68.5)	3.48 (88.5)	7.03 (178.5)
<i>D</i>	1.73 (44)	2.13 (54)	2.52 (64)	4.29 (109)
<i>K</i>	3.35 (85)	4.53 (115)	5.91 (150)	11.42 (290)

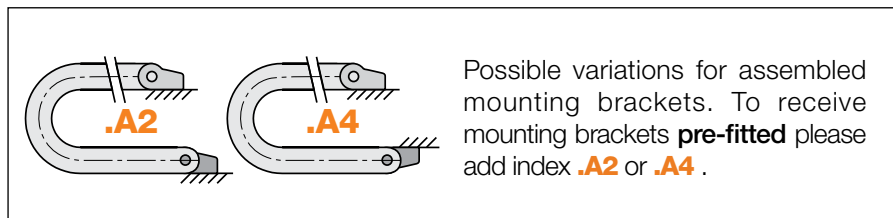
The required clearance height: $H_f = H + .39 \text{ in. (10 mm)}$ with .13 lbs/ft (0.2 kg/m) fill weight.

Mounting brackets, polymer one-piece | One end pivoting



Width index	Standard	Part No. full set without tiewrap plates	Part No. full set with tiewrap plates	A in. (mm)	B in. (mm)	C in. (mm)	Number of teeth
06.	▶	0450.06.12	0450.06.12PZ	—	.47 (12)	—	1
10.	▶	0450.10.12	0450.10.12PZ	—	.63 (16)	—	1
16.	▶	0450.16.12	0450.16.12PZ	—	.87 (22)	.39 (10)	2
20.	▶	0450.20.12	0450.20.12PZ	—	1.02 (26)	.39 (10)	2
30.	▶	0450.30.12	0450.30.12PZ	.87 (22)	1.42 (36)	.79 (20)	3
64.	▶	0450.64.12	0450.64.12PZ	2.20 (56)	2.76 (70)	1.97 (50)	6

Material mounting bracket - igumid G, temperature: -40°F up to 248°F (-40°C up to +120°C), VDE 0304 IIC UL94-HB



0450.10.12PZ.A2 Order example

.A... to indicate option with brackets pre-fitted
 With integrated strain relief tiewrap plates
 Full set
 Series

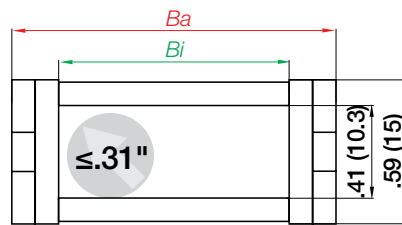
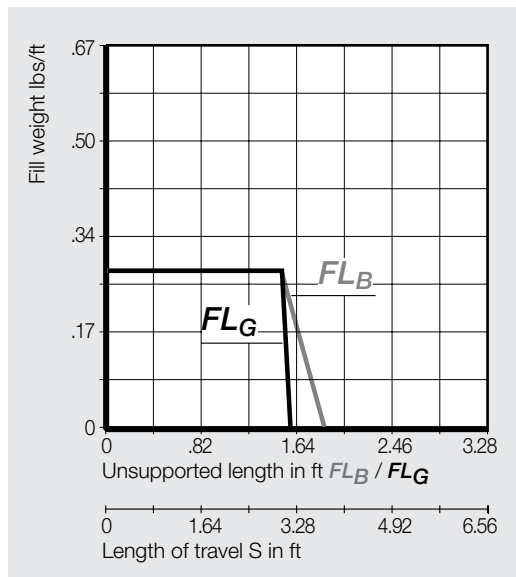


e-chains® | Series B07 | Openable along the outer radius from one side

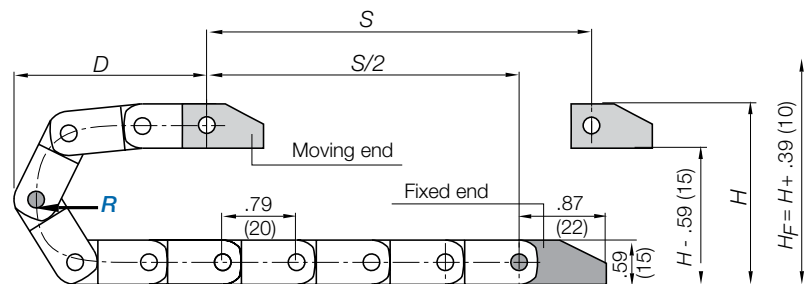
Part No.	<i>Bi</i>	<i>Ba</i>	<i>R</i> Available bend radii	Weight
e-chains®	in. (mm)	in. (mm)	in. (mm)	lbs/ft. (kg/m)
B07.16. <i>R</i> .0	.63 (16)	.89 (22.5)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.107 (0.16)
B07.20. <i>R</i> .0	.79 (20)	1.06 (27)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.114 (0.17)
B07.30. <i>R</i> .0	1.18 (30)	1.46 (37)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.134 (0.20)
B07.40. <i>R</i> .0	2.52 (64)	1.85 (47)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.155 (0.23)

Complete Part No. with required radius (*R*). Example: B07.40.028.0

Installation dimensions



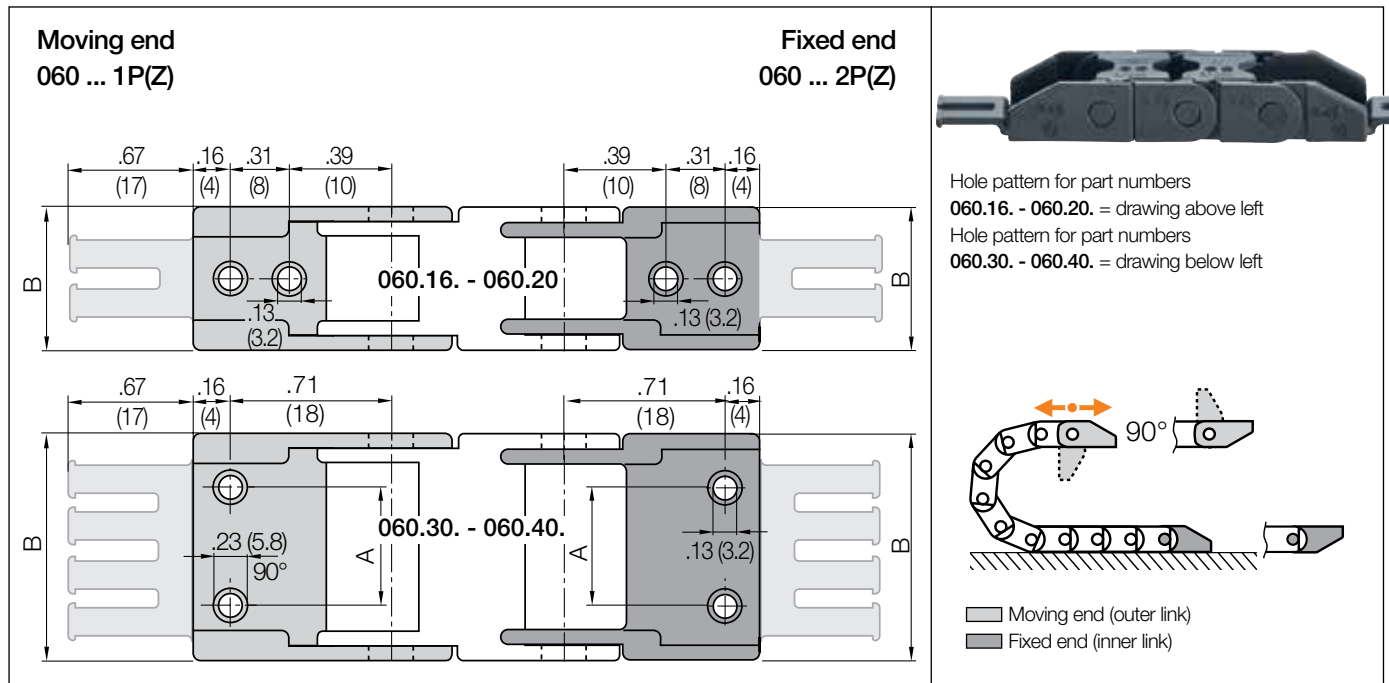
Inner height in. (mm)	.41 (10.3)
Pitch per link in. (mm)	.79 (20)
Links/ft (m)	15.19 (50)
corresponds to (mm)	1,000
e-chain® length	$L_K = \frac{S}{2} + K$



<i>R</i>	.71 (018)	1.10 (028)	1.50 (038)
<i>H</i>	2.01 (51)	2.80 (71)	3.58 (91)
<i>D</i>	2.20 (56)	2.60 (66)	2.99 (76)
<i>K</i>	3.94 (100)	5.12 (130)	6.30 (160)

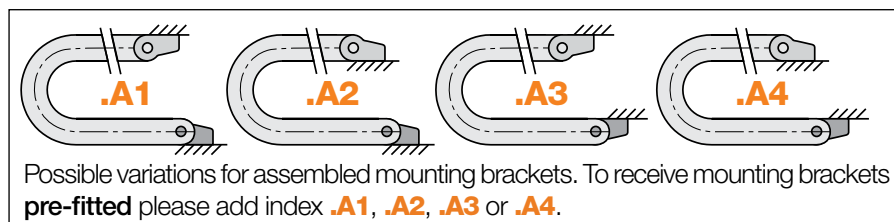
The required clearance height: $H_f = H + .39$ in. (10 mm) with .13 lbs/ft (0.2 kg/m) fill weight.

Mounting brackets, polymer one-piece | Locking



Width index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	A in. (mm)	B in. (mm)	Number of teeth
16. ▶	060.16.12PZ	060.16.12	—	.89 (22.5)	2
20. ▶	060.20.12PZ	060.20.12	—	1.06 (27.0)	2
30. ▶	060.30.12PZ	060.30.12	.87 (22)	1.46 (37.0)	3
40. ▶	060.40.12PZ	060.40.12	1.26 (32)	1.85 (47.0)	4

Material mounting bracket - igumid G, temperature: -40°F up to 248°F (-40°C up to +120°C), VDE 0304 IIC UL94-HB



060.40.12PZ.A1 Order example

.A... to indicate option with brackets pre-fitted
With integrated strain relief tiewrap plates
Full set
Series

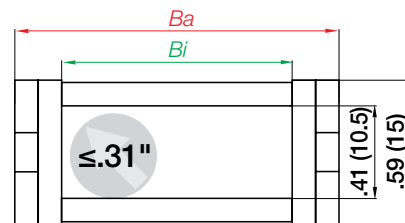
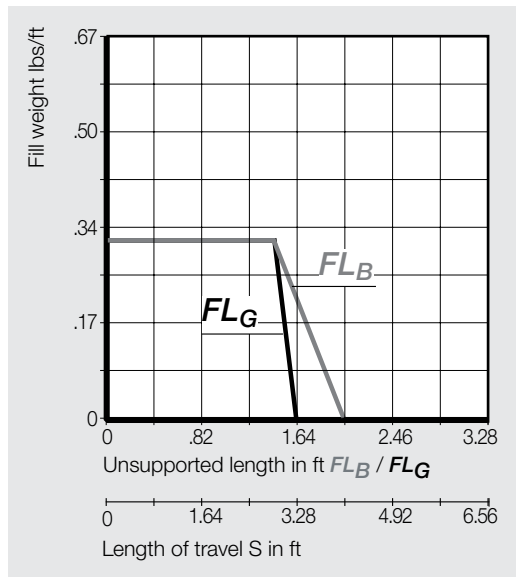


e-chains® | Series 06 | One-piece non-openable

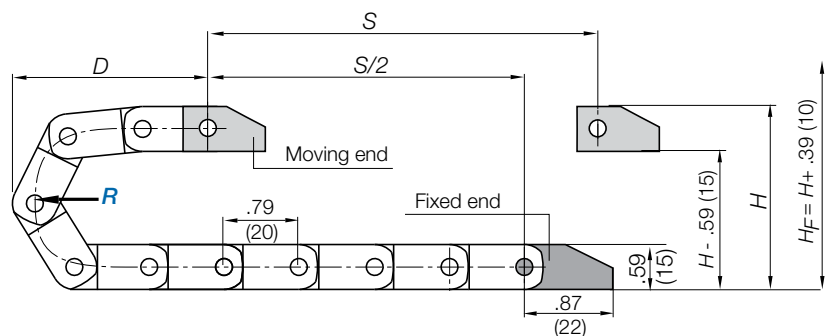
Part No.	<i>Bi</i>	<i>Ba</i>	<i>R</i> Available bend radii	Weight
e-chains*	in. (mm)	in. (mm)	in. (mm)	lbs/ft. (kg/m)
06.06. <i>R</i> .0	.28 (6)	.49 (12.5)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.087 (0.13)
06.10. <i>R</i> .0	.39 (10)	.65 (16.5)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.094 (0.14)
06.16. <i>R</i> .0	.63 (16)	.89 (22.5)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.107 (0.16)
06.20. <i>R</i> .0	.79 (20)	1.06 (27)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.114 (0.17)
06.30. <i>R</i> .0	1.18 (30)	1.46 (37)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.134 (0.20)
06.40. <i>R</i> .0	1.57 (40)	1.85 (47)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.155 (0.23)
06.50. <i>R</i> .0	1.97 (50)	2.24 (57)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.175 (0.26)
06.64. <i>R</i> .0	2.52 (64)	2.80 (71)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.202 (0.30)

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

Installation dimensions



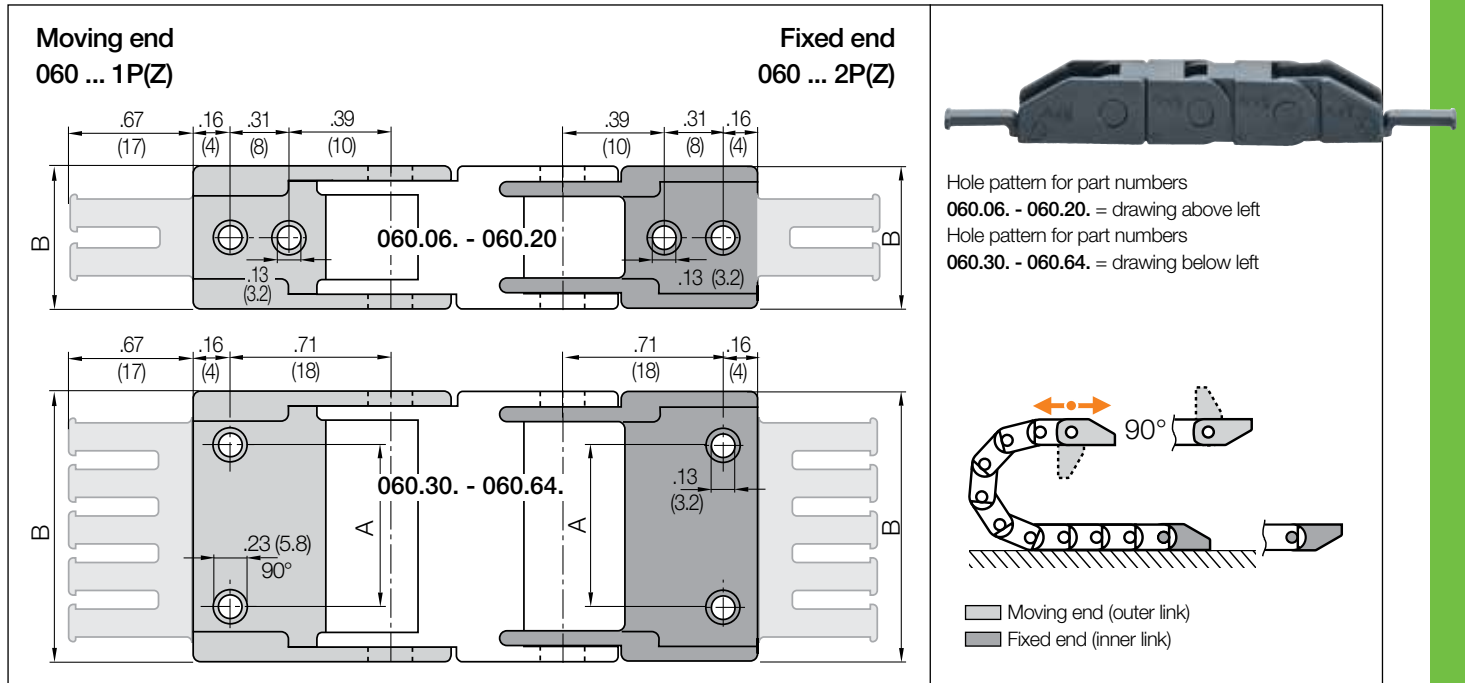
Inner height in. (mm)	.41 (10.5)
Pitch per link in. (mm)	.79 (20)
Links/ft (m)	15.19 (50)
corresponds to (mm)	1,000
e-chain* length	$L_K = \frac{S}{2} + K$



<i>R</i>	.71 (018)	1.10 (028)	1.50 (038)
<i>H</i>	2.01 (51)	2.80 (71)	3.58 (91)
<i>D</i>	2.20 (56)	2.60 (66)	2.99 (76)
<i>K</i>	3.94 (100)	5.12 (130)	6.30 (160)

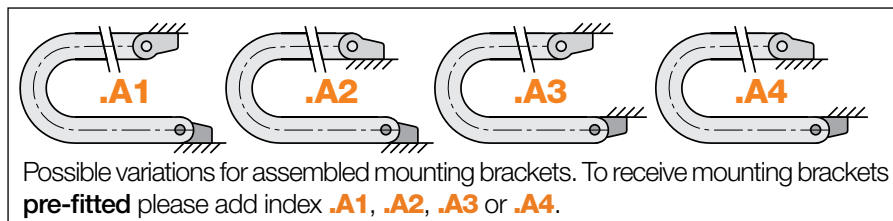
The required clearance height: $H_F = H + .39$ in. (10 mm) with .13 lbs/ft (0.2 kg/m) fill weight.

Mounting brackets, polymer one-piece | Locking



Width index	Part No. full set with tie-wrap plates	Part No. full set without tie-wrap plates	A in. (mm)	B in. (mm)	Number of teeth
06.	060.06.12PZ	060.16.12	—	.42 (12.5)	1
10.	060.10.12PZ	060.16.12	—	.65 (16.5)	1
16.	060.16.12PZ	060.16.12	—	.89 (22.5)	2
20.	060.20.12PZ	060.20.12	—	1.06 (27.0)	2
30.	060.30.12PZ	060.30.12	.87 (22)	1.46 (37.0)	3
40.	060.40.12PZ	060.40.12	1.26 (32)	1.85 (47.0)	4
50.	060.50.12PZ	060.16.12	1.65 (42)	2.24 (57.0)	5
64.	060.64.12PZ	060.16.12	2.20 (56)	2.70 (71.0)	6

Material mounting bracket - igumid G, temperature: -40°F up to 248°F (-40°C up to +120°C), VDE 0304 IIC UL94-HB



060.10.12PZ.A1 Order example

.A... to indicate option with brackets pre-fitted
With integrated strain relief tie-wrap plates
Full set
Series

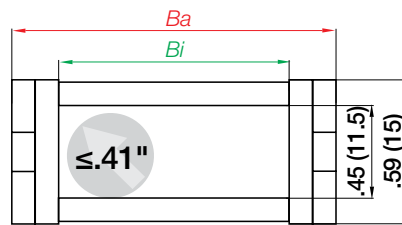
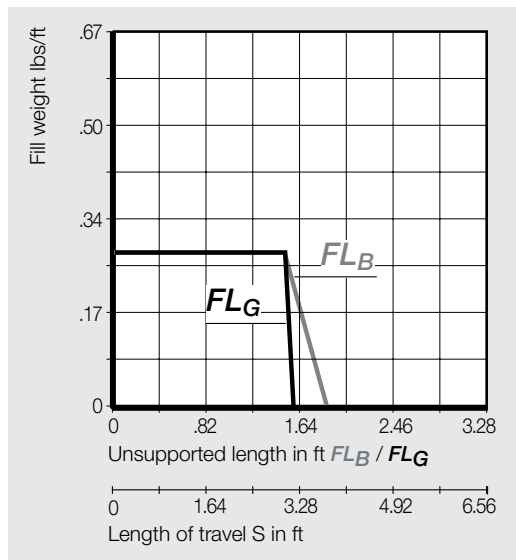


e-chains® | Series 074 | Openable along the outer radius from one side

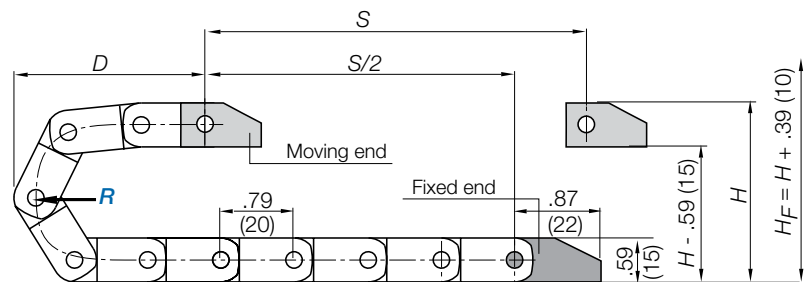
Part No.	<i>Bi</i>	<i>Ba</i>	<i>R</i> Available bend radii	Weight
e-chains®	in. (mm)	in. (mm)	in. (mm)	lbs/ft. (kg/m)
074.06. <i>R</i> .0	.24 (06)	.48 (12.3)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.094 (0.14)
074.10. <i>R</i> .0	.39 (10)	.64 (16.3)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.100 (0.15)
074.16. <i>R</i> .0	.63 (16)	.88 (22.3)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.108 (0.16)
074.20. <i>R</i> .0	.79 (20)	1.04 (26.3)	0.71 (018) 1.10 (028) 1.50 (038)	≈ 0.114 (0.17)

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

Installation dimensions



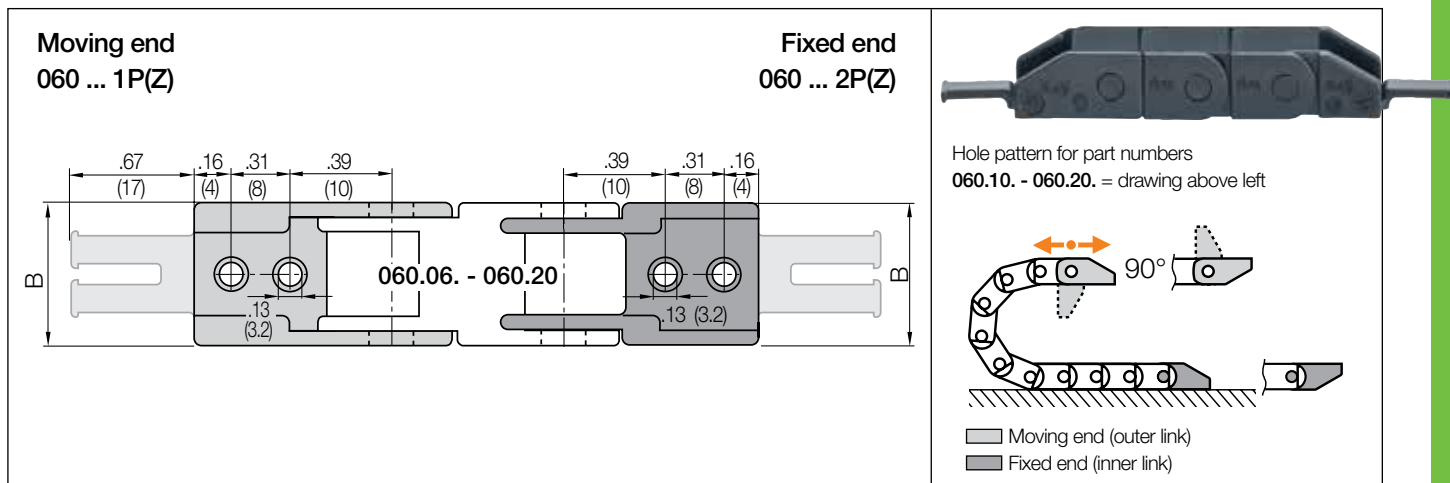
Inner height in. (mm)	.45 (11.5)
Pitch per link in. (mm)	.79 (20)
Links/ft (m)	15.19 (50)
corresponds to (mm)	1,000
e-chain® length	$L_K = \frac{S}{2} + K$



<i>R</i>	.71 (018)	1.10 (028)	1.50 (038)
<i>H</i>	2.01 (51)	2.80 (71)	3.58 (91)
<i>D</i>	2.20 (56)	2.60 (66)	2.99 (76)
<i>K</i>	3.94 (100)	5.12 (130)	6.30 (160)

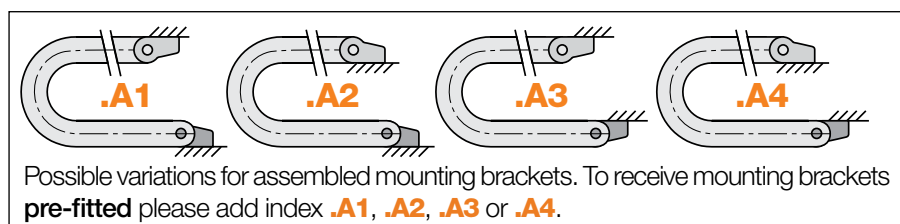
The required clearance height: $H_F = H + .39$ in. (10 mm) with .13 lbs/ft (0.2 kg/m) fill weight.

Mounting brackets, polymer one-piece | Locking



Width index	Part No. full set with tie-wrap plates	Part No. full set without tie-wrap plates	B in. (mm)	Number of teeth
06. ▶	060.06.12PZ	060.06.12	.49 (12.5)	1
10. ▶	060.10.12PZ	060.10.12	.65 (16.5)	1
16. ▶	060.16.12PZ	060.16.12	.89 (22.5)	2
20. ▶	060.20.12PZ	060.20.12	1.06 (27)	2

Material mounting bracket - igumid G, temperature: -40°F up to 248°F (-40°C up to +120°C), VDE 0304 IIC UL94-HB



060.10.12PZ.A1 Order example

.A... to indicate option with brackets pre-fitted
With integrated strain relief tie-wrap plates
Full set
Series

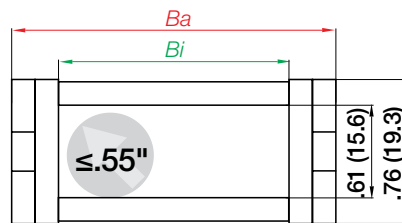
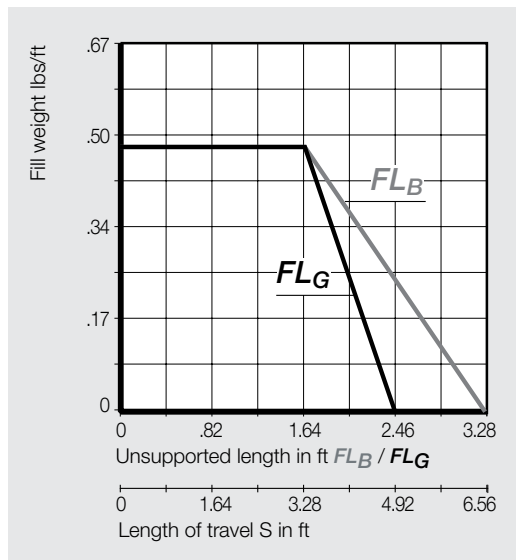


e-chains® | Series 094 | Openable along the inner radius from one side with film hinge

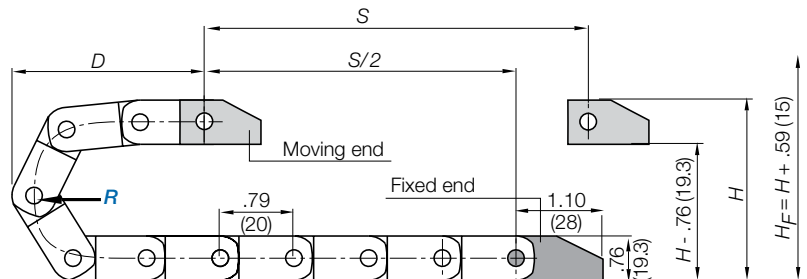
Part No.	<i>Bi</i>	<i>Ba</i>	<i>R</i> Available bend radii	Weight
e-chains®	in. (mm)	in. (mm)	in. (mm)	lbs/ft. (kg/m)
094.10. <i>R</i> .0	.39 (10)	.72 (18.2)	1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.154 (0.23)
094.16. <i>R</i> .0	.63 (16)	.96 (24.2)	1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.161 (0.24)
094.20. <i>R</i> .0	.79 (20)	1.11 (28.2)	1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.168 (0.25)
094.30. <i>R</i> .0	1.18 (30)	1.50 (38.2)	1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.188 (0.28)

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

Installation dimensions



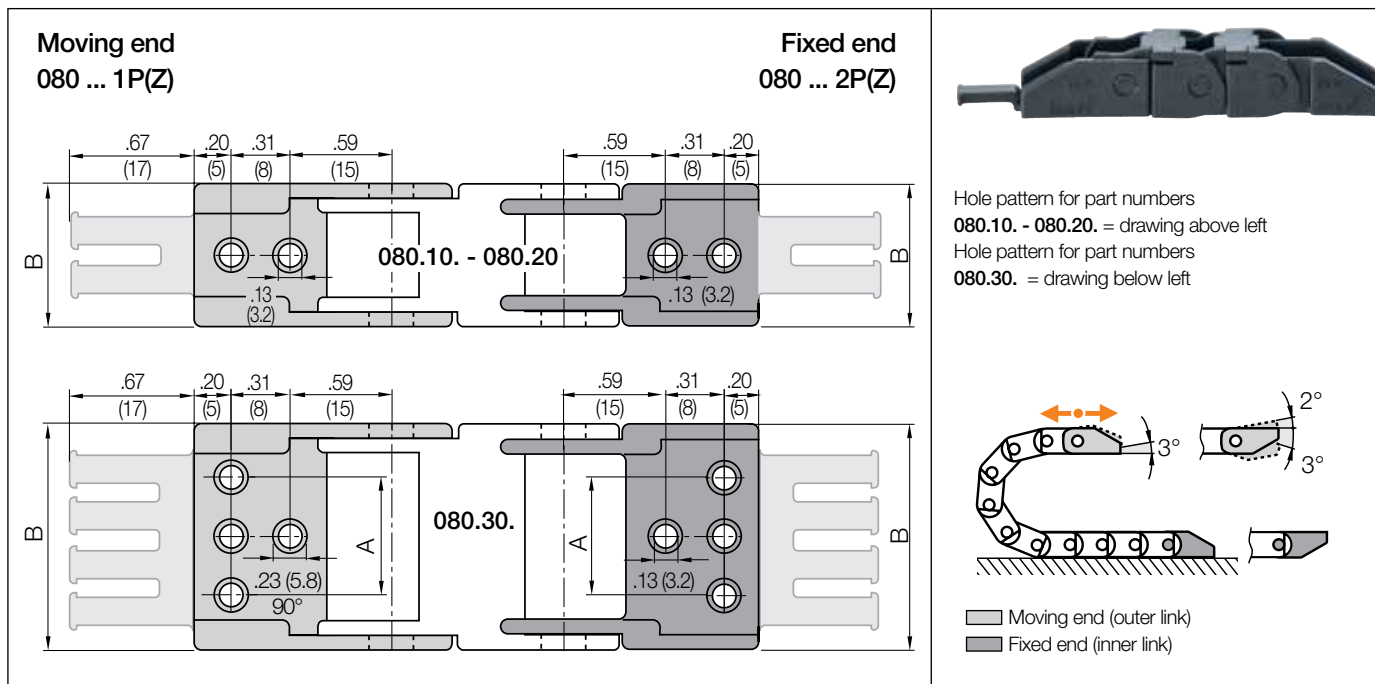
Inner height in. (mm)	.61 (15.6)
Pitch per link in. (mm)	.79 (20)
Links/ft (m)	15.19 (50)
corresponds to (mm)	1,000
e-chain® length	$L_K = \frac{S}{2} + K$



<i>R</i>	1.10 (028)	1.50 (038)	1.89 (048)
<i>H</i>	2.95 (75)	3.74 (95)	4.53 (115)
<i>D</i>	2.68 (68)	3.07 (78)	3.46 (88)
<i>K</i>	5.12 (130)	6.30 (160)	7.68 (195)

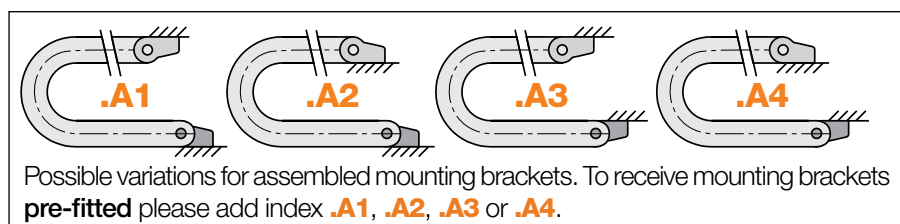
The required clearance height: $H_F = H + .59$ in. (15 mm) with .20 lbs/ft (0.3 kg/m) fill weight.

Mounting brackets, polymer one-piece | Locking



Width index	Part No. full set with tie-wrap plates	Part No. full set without tie-wrap plates	A in. (mm)	B in. (mm)	Number of teeth
10. ▶	080.10.12PZ	080.10.12	–	.72 (18.2)	1
16. ▶	080.16.12PZ	080.16.12	–	.95 (24.2)	2
20. ▶	080.20.12PZ	080.20.12	–	1.11 (28.2)	2
30. ▶	080.30.12PZ	080.30.12	.87 (22)	1.50 (38.2)	3

Material mounting bracket - igumid G, temperature: -40°F up to 248°F (-40°C up to +120°C), VDE 0304 IIC UL94-HB



060.10.12PZ.A1 Order example

.A... to indicate option with brackets pre-fitted
With integrated strain relief tie-wrap plates
Full set
Series

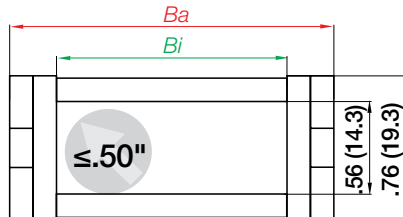
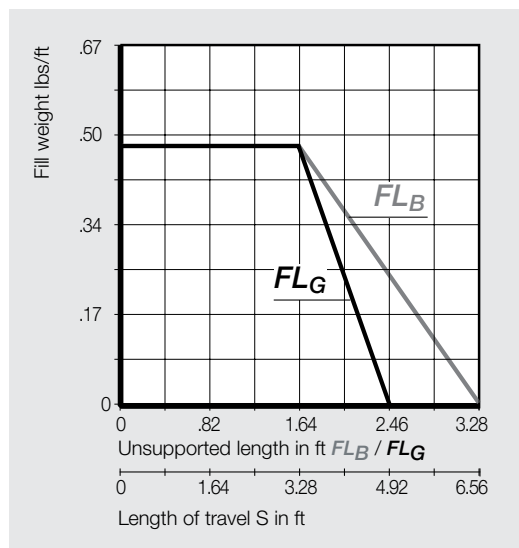


e-chains® | Series B09 | Openable along the outer radius from one side

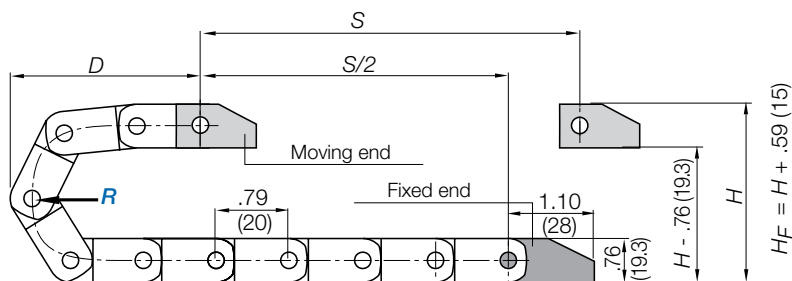
Part No.	<i>Bi</i>	<i>Ba</i>	<i>R</i> Available bend radii	Weight
e-chains®	in. (mm)	in. (mm)	in. (mm)	lbs/ft. (kg/m)
B09.16. <i>R</i> .0	.63 (16)	.95 (24.2)	1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.161 (0.24)
B09.20. <i>R</i> .0	.79 (20)	1.11 (28.2)	1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.168 (0.25)
B09.30. <i>R</i> .0	1.18 (30)	1.50 (38.2)	1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.188 (0.28)
B09.40. <i>R</i> .0	1.18 (40)	1.90 (48.2)	1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.208 (0.31)

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

Installation dimensions



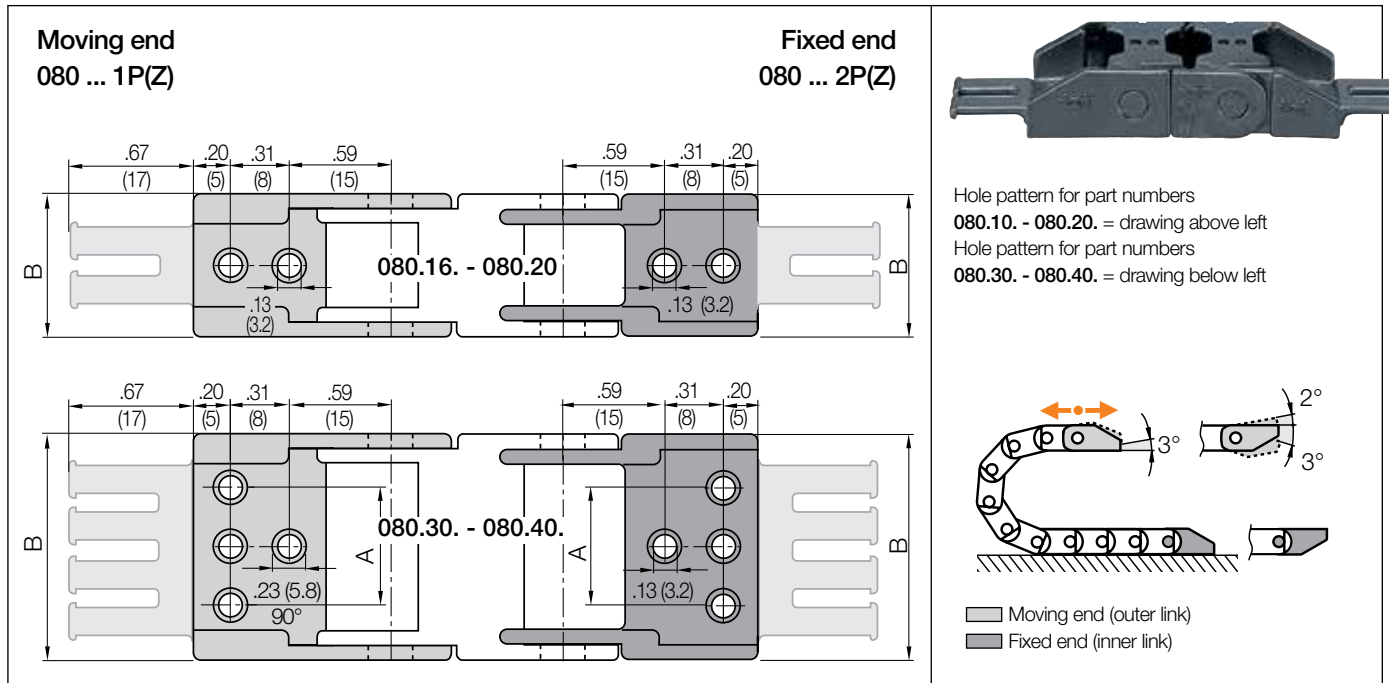
Inner height in. (mm)	.61 (15.6)
Pitch per link in. (mm)	.79 (20)
Links/ft (m)	15.19 (50)
corresponds to (mm)	1,000
e-chain® length	$L_K = \frac{S}{2} + K$



<i>R</i>	1.10 (028)	1.50 (038)	1.89 (048)
<i>H</i>	2.95 (75)	3.74 (95)	4.53 (115)
<i>D</i>	2.68 (68)	3.07 (78)	3.46 (88)
<i>K</i>	5.21 (130)	6.41 (160)	7.68 (195)

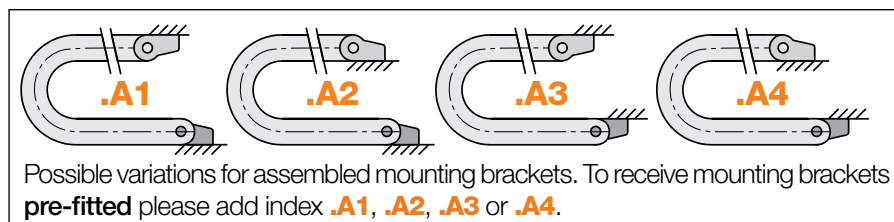
The required clearance height: $H_F = H + .59$ in. (15 mm) with .20 lbs/ft (0.3 kg/m) fill weight.

Mounting brackets, polymer one-piece | Locking



Width index	Part No. full set with tiwrap plates	Part No. full set without tiwrap plates	A in. (mm)	B in. (mm)	Number of teeth
16. ▶	080.16.12PZ	080.16.12	–	.95 (24.2)	2
20. ▶	080.20.12PZ	080.20.12	–	1.11 (28.2)	2
30. ▶	080.30.12PZ	080.30.12	.87 (22)	1.50 (38.2)	3
40. ▶	080.40.12PZ	080.40.12	1.25 (32)	1.90 (48.2)	4

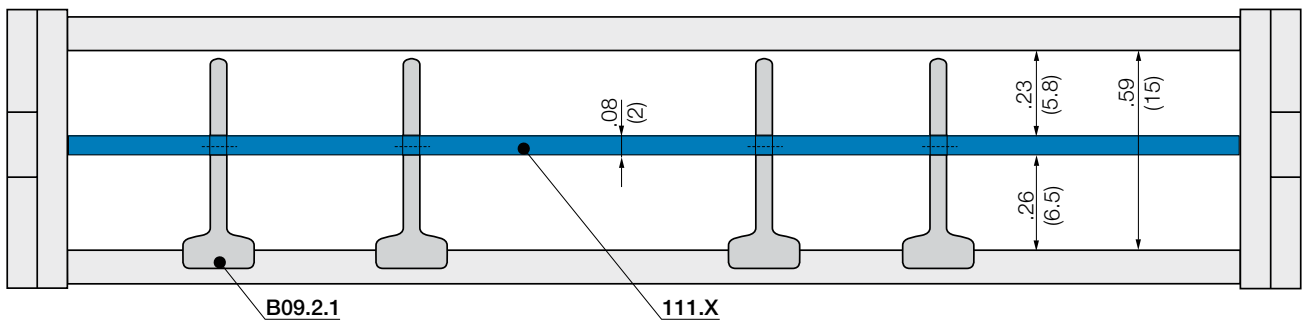
Material mounting bracket - igumid G, temperature: -40°F up to 248°F (-40°C up to +120°C), VDE 0304 IIC UL94-HB



080.40.12PZ.A1 Order example

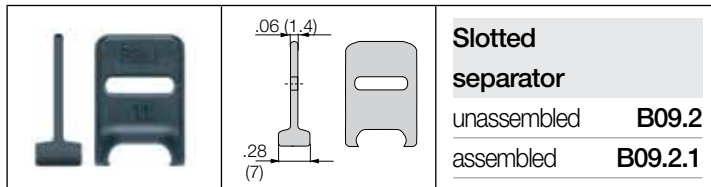
.A... to indicate option with brackets pre-fitted
With integrated strain relief tiwrap plates
Full set
Series

Interior separation



No lateral gap to side links necessary.

As standard separators are fitted every 2nd e-chain® link!

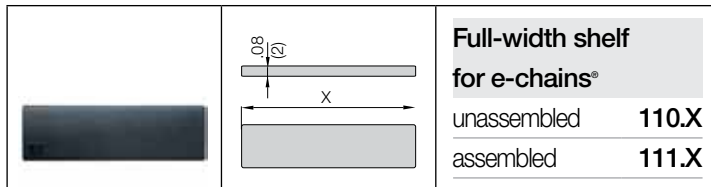


Slotted separator

Slotted separator

Vertical subdivision in e-chains®. The slot allows basic vertical/horizontal shelving arrangements.

unassembled	B09.2
assembled	B09.2.1



Full-width shelf for e-chains®

Full-width shelf

This option is for applications with many small cables with similar diameters. For full-width separation.

unassembled	110.X
assembled	111.X

Full-width shelves

Width = X in. [mm]

X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled
0.39 (010)	110.10	111.10	0.79 (020)	110.20	111.20	1.97 (50)	110.50	111.50
0.51 (013)	110.13	111.13	1.18 (030)	110.30	111.30			
0.63 (016)	110.16	111.16	1.57 (040)	110.40	111.40			



E2 micro e-chain® space-saving, zig-zag design in a mobile OP table

For new designs we recommend E2.1 micro series E2C.15 ► From page 344



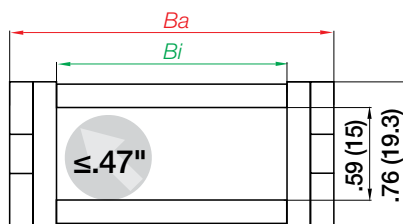
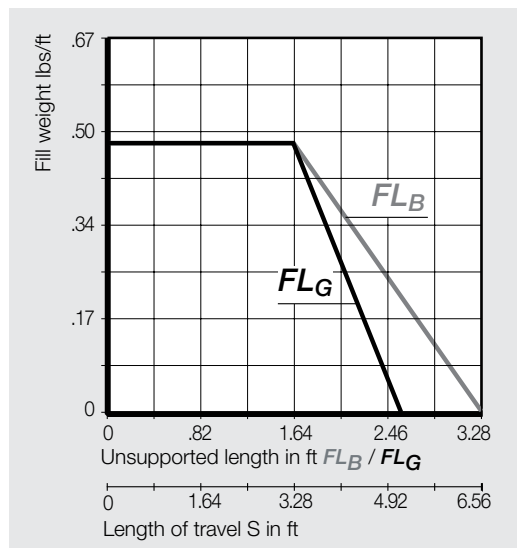
e-chains® | Series 08 | One-piece, non-openable

Part No.	<i>Bi</i>	<i>Ba</i>	<i>R</i> Available bend radii	Weight
e-chains*	in. (mm)	in. (mm)	in. (mm)	lbs/ft. (kg/m)
08.10. <i>R</i> .0	.39 (10)	.72 (18.2)	.98 (025) 1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.141 (0.21)
08.13. <i>R</i> .0	.51 (13)	.83 (21.2)	— 1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.155 (0.23)
08.16. <i>R</i> .0	.63 (16)	.95 (24.2)	— 1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.161 (0.24)
08.20. <i>R</i> .0	.79 (20)	1.11 (28.2)	.98 (025) 1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.168 (0.25)
08.30. <i>R</i> .0	1.18 (30)	1.50 (38.2)	— 1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.188 (0.28)
08.40. <i>R</i> .0	1.57 (40)	1.90 (48.2)	— 1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.208 (0.31)
08.50. <i>R</i> .0	1.97 (50)	1.90 (48.2)	— 1.10 (028) 1.50 (038) 1.89 (048)	≈ 0.249 (0.37)

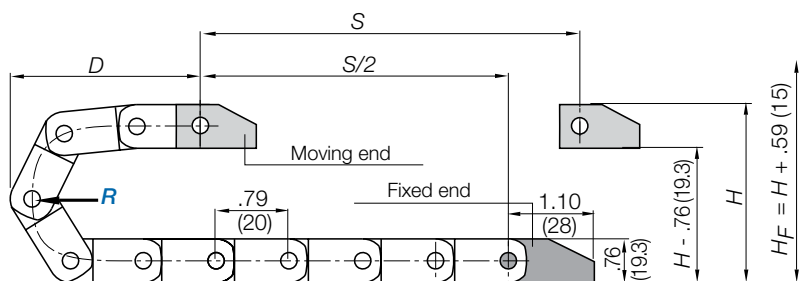
⊙ *RBR* version (Reverse Bend Radius), some radii available from stock. More information ► From page 132

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

Installation dimensions



Inner height in. (mm)	.59 (15)
Pitch per link in. (mm)	.79 (20)
Links/ft (m)	15.19 (50)
corresponds to (mm)	1,000
e-chain* length	$L_K = \frac{S}{2} + K$

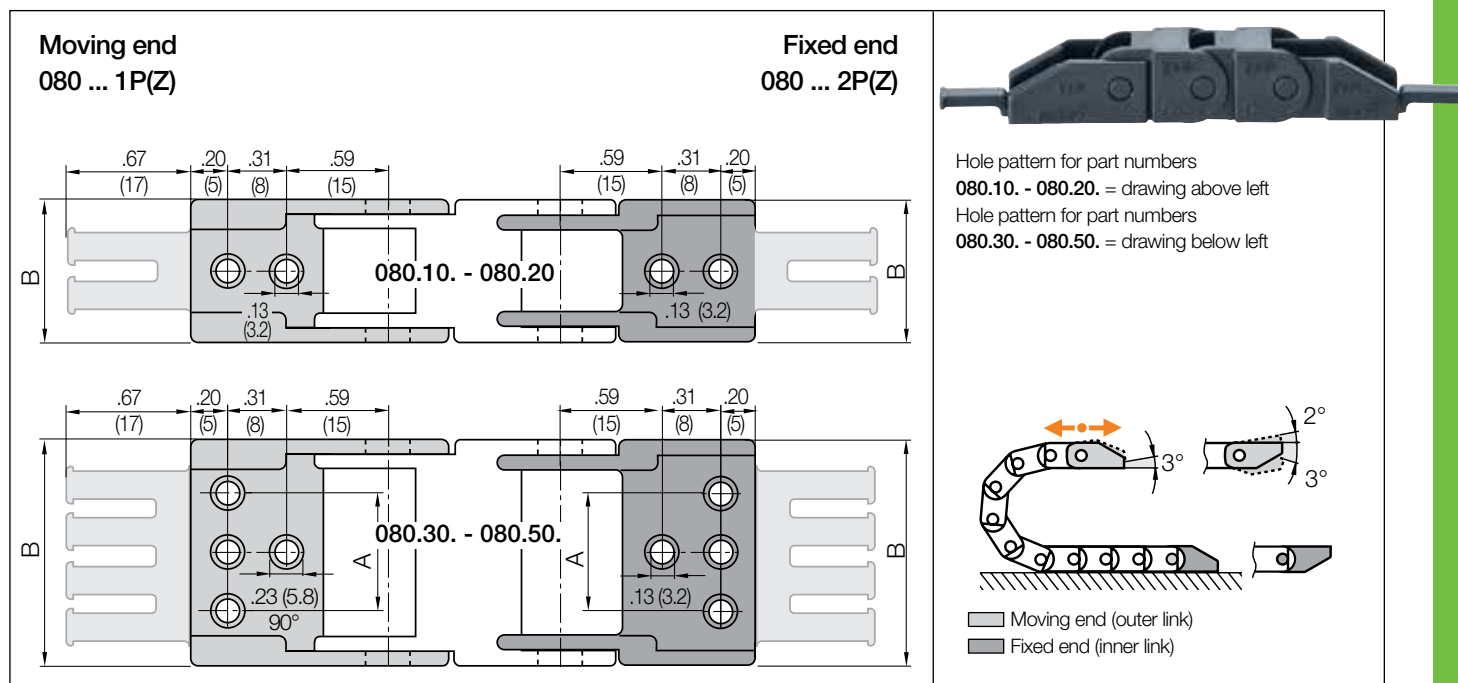


<i>R</i>	.98 (025*)	1.10 (028)	1.50 (038)	1.89 (048)
<i>H</i>	2.72 (69)	2.95 (75)	3.74 (95)	4.53 (115)
<i>D</i>	2.56 (65)	2.68 (68)	3.07 (78)	3.46 (88)
<i>K</i>	4.72 (120)	5.12 (130)	6.30 (160)	7.48 (190)

The required clearance height: $H_F = H + .59$ in. (15 mm) with .20 lbs/ft (0.3 kg/m) fill weight.

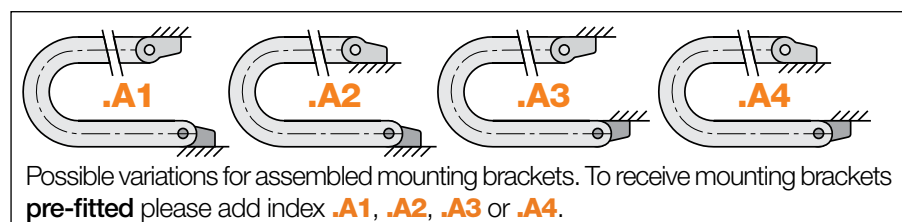
*Radius only available for some widths (please see product range table above)

Mounting brackets, polymer one-piece | Locking



Width index	Standard	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	A in. (mm)	B in. (mm)	Number of teeth
10.	▶	080.10.12PZ	080.10.12	—	.72 (18.2)	1
13.	▶	—	080.13.12	—	.83 (21.2)	—
16.	▶	080.16.12PZ	080.16.12	—	.95 (24.2)	2
20.	▶	080.20.12PZ	080.20.12	—	1.11 (28.2)	2
30.	▶	080.30.12PZ	080.30.12	.87 (22)	1.50 (38.2)	3
40.	▶	080.40.12PZ	080.40.12	1.26 (32)	1.90 (48.2)	4
50.	▶	080.50.12PZ	080.50.12	1.65 (42)	2.29 (58.2)	5

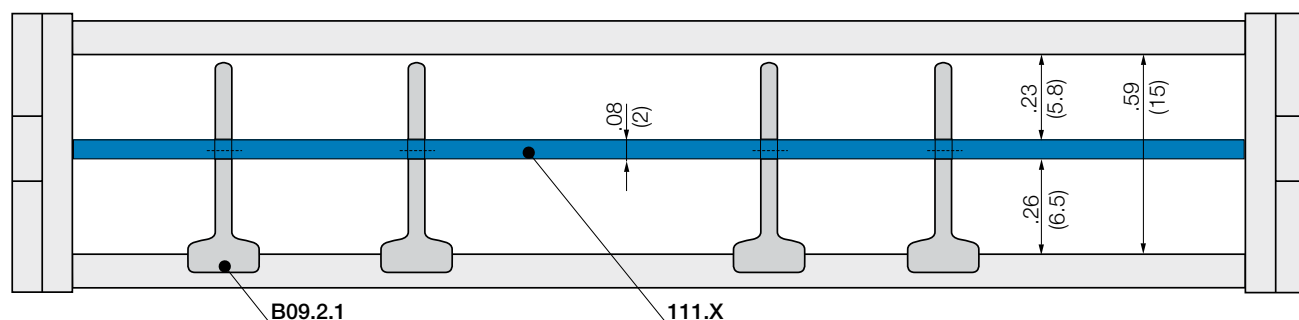
Material mounting bracket - igumid G, temperature: -40°F up to 248°F (-40°C up to +120°C), VDE 0304 IIC UL94-HB



080.40.12PZ.A1 Order example

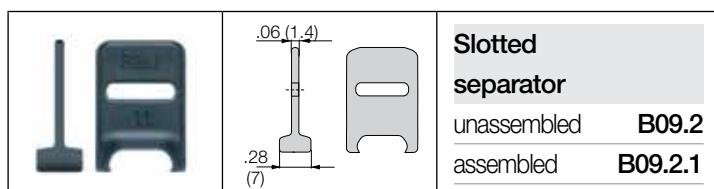
- .A... to indicate option with brackets pre-fitted
- With integrated strain relief tiewrap plates
- Full set
- Series

Interior separation



No lateral gap to side links necessary.

As standard separators are fitted every 2nd e-chain® link!

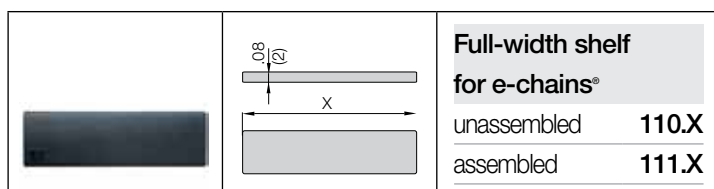


Slotted separator

Slotted separator

Vertical subdivision in e-chains®. The slot allows basic vertical/horizontal shelving arrangements.

unassembled	B09.2
assembled	B09.2.1



Full-width shelf for e-chains®

Full-width shelf

This option is for applications with many small cables with similar diameters. For full-width separation.

unassembled	110.X
assembled	111.X

Full-width shelves

Width = X in. [mm]

X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled
0.39 (010)	110.10	111.10	0.79 (020)	110.20	111.20	1.97 (50)	110.50	111.50
0.51 (013)	110.13	111.13	1.18 (030)	110.30	111.30			
0.63 (016)	110.16	111.16	1.57 (040)	110.40	111.40			



Series 03 - extremely small installation space on a paint-spraying machine





E2 mini

Small and medium sizes



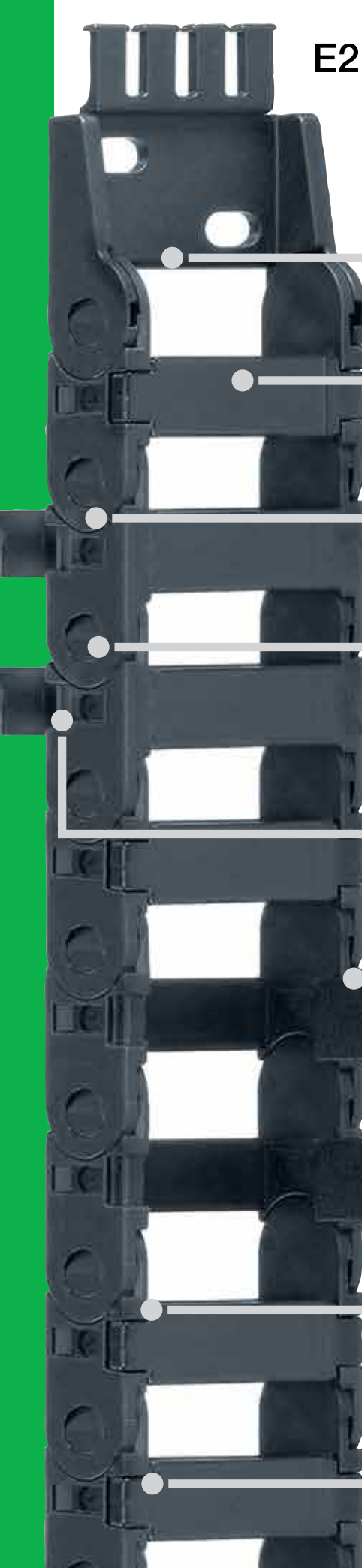
Advantages of the E2 mini series:

- If a small, but extremely strong e-chain® is required
- Quiet operation due to small pitch
- For highly dynamic applications
- Variety of options - E2 mini as non-openable or openable along the inner or outer radius



When to use another e-chain® series:

- When openable crossbars are required
 - ▶ E2.1 micro, page 334
 - ▶ zipper, page 240
- When easy filling with connectorized cables is required
 - ▶ easy chain®, page 212



Universal connection:
mounting bracket with
integrated strain relief

Space-saving:
small inner heights
and bend radii

Smooth Design:
dirt-repellent
outer contour

Smooth running:
small pitch for low-
noise, smooth running

Flexible use:
one-piece e-chains®,
openable along the inner
radius with film hinge
(series 14/F17)

Flexible use:
two-piece e-chains®,
openable along the outer
radius (series B15/B17)

Flexible use:
two-piece
e-chains®, openable
along the inner radius
(series B15i/B17i)

Flexible use:
one-piece e-chains®,
non-openable
(series 10/11.031/
11.080/11.1/11.)

Small and medium sizes - E2 mini

E2 mini are small one- or two-piece e-chains®, recommended for highly dynamic applications. igus® also offers a range of accessories and connection options. Upgrades to openable versions are available for many types. Different types are interchangeable and can also serve as replacements.

Typical industries and applications

- Construction machinery
- Handling
- Furniture
- Packaging machines
- Textile machines
- Vehicle applications
- Woodworking machines
- Glass machines
- Automation
- General machinery, etc.



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



Electrically conductive ESD e-chains® upon request



Available from stock.

Orders ship as early as today.*

*On average 90% of orders ship the same day.

E2 mini | Selection table

Series	Inner height		Inner width		Outer width		Outer height		Bending radius		Unsupported length
	<i>hi</i>		<i>Bi</i>	<i>Ba</i>			<i>ha</i>		<i>R</i>		
	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	≤ ft. (m)



**E2 mini -
one-piece e-chains®**
non-openable

10	.71	(18)	.59-3.94	(15-100)	1.02-4.45	(26-113)	.91	(23)	1.10-7.09	(028-180)	3.94 (1.20)
11.031	.91	(23)	1.22	(31)	1.62	(41.2)	1.10	(28)	1.77-2.76	(045-070)	≈ 4.43 (1.35)
11.080	1.10	(28)	3.15	(80)	3.66	(93)	1.31	(33.4)	1.50-2.56	(038-065)	4.92 (1.50)
11.1/11.2	1.61	(41)	.59-.98	(15-25)	1.00-1.40	(25.5-35.5)	1.81	(46)	1.57-3.94	(040-100)	≈ 4.43 (1.35)



**E2 mini -
one-piece e-chains®**
openable along the inner radius
with film hinge

14	.79	(20)	.59-1.97	(15-50)	1.02-2.40	(26-61)	.98	(25)	1.10-4.92	(028-125)	2.13 (0.65)
F17	1.26	(32)	.59	(15)	1.02	(26)	1.54	(39)	1.89	(048)	3.94 (1.20)



**E2 mini -
two-piece e-chains®**
openable along the outer radius

B15	.67	(17)	.59-3.94	(15-100)	1.02-4.45	(26-113)	.91	(23)	1.50-7.09	(038-180)	3.94 (1.20)
B17	1.26	(32)	.59-3.94	(15-100)	1.00-4.45	(25.5-113)	1.54	(39)	1.89-4.92	(048-125)	3.28 (1.00)



**E2 mini -
two-piece e-chains®**
openable along the inner radius

B15i	.67	(17)	.59-3.94	(15-100)	1.02-4.45	(26-113)	.91	(23)	1.50-7.09	(038-180)	3.94 (1.20)
B17i	1.26	(32)	.98-1.50	(25-38)	1.40-1.91	(35.5-48.5)	1.54	(39)	1.89-4.92	(048-125*)	3.28 (1.00)

**Radius 125 for B17i.2. upon request (see product range table)

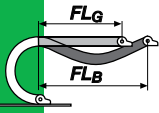
E2 mini | Technical data | Overview

Technical data



Speed gliding / acceleration gliding

≤ 9.84 ft. (3 m/s) / ≤ 32.81 ft. (10 m/s)



Speed FL_G / acceleration FL_G

≤ 65.6 ft/s (20 m/s) / ≤ 656 ft/s² (200 m/s²)

Speed FL_B / acceleration FL_B

≤ 9.84 ft. (3 m/s) / ≤ 19.69 ft/s² (6 m/s²)



Material - permitted temperature °F, igumid G

-40°F (-40°C) / +248°F (+120°C)

Material - permitted temperature °F, igumid NB (only series 03, 074, 094)

-40°F (-40°C) / +176°F (+80°C)

Material lower part - permitted temperature °F, igumid G (only series B07, B09)

-40°F (-40°C) / +248°F (+120°C)

Material crossbar - permitted temperature °F, igumid NB (only series B07, B09)

-40°F (-40°C) / +176°F (+80°C)



Flammability class

igumid G = VDE 0304 IIC UL94-HB / igumid NB = VDE 0304 IIC UL94-V2

■ FL_G = unsupported with straight upper run ■ FL_B = unsupported with permitted sag *Available in igumid NB.

Series	 Unsupported	 Vertical hanging	 Vertical standing	 Side mounted unsupported	 Rotary	 Zig-zag
10*	≤ 7.87 ft. (2.40m)	upon request	upon request	upon request	with rework	upon request
11.031	≤ 8.86 ft. (2.70m)	upon request	upon request	upon request	—	upon request
11.080	≤ 9.84 ft. (3.00m)	upon request	upon request	upon request	—	upon request
11.1/11.2	≤ 8.86 ft. (2.70m)	upon request	upon request	upon request	with rework	upon request
14	≤ 4.27 ft. (1.30m)	upon request	upon request	upon request	with rework	upon request
B15i/B15*	≤ 7.87 ft. (2.40m)	upon request	upon request	upon request	with rework	upon request
B17i/B17	max. ≤ 6.56 ft. (2.00m)	upon request	upon request	upon request	with rework	upon request
F17	≤ 7.87 ft. (2.40m)	upon request	upon request	upon request	with rework	upon request

Before using this series on long travels please consult igus.

E2 mini | Options and order keys

Options with order keys | Examples based on series B15



Standard

NC version -
(No Camber)
without pretension

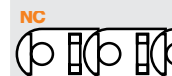
Reverse Bend Radius
(RBR) for circular
movements

ESD - electrically
conductive
material

Part No.
Standard



Part No.
NC version



Part No.
RBR



Part No.
igumid ESD**



B15.50.R.0

B15.50.R.0.NC

B15.50.R1/R2.0

B15.50.R.0.ESD



Orders ship as
early as today.*

Ready to ship in
3-5 business days*

Ready to ship
in 12 business days*[Ⓢ]

Delivery time
upon request*

[Ⓢ] RBR version (Reverse Bend Radius) - some radii available from stock - further information and the complete product range ► From page 132

*On average 90% of orders ship the same day.

Order example | Order key and color examples | Examples based on series B15



Order example for complete e-chain® 3.28 ft. (1m),
color black, with mounting brackets and interior separation:

e-chain® 3.28 ft. (1m) Please indicate e-chain® length or number of links: 3.28ft.(1m) or 33 links **B15.025.038.0**

+ Mounting brackets 1 set (with tiwrap plates) **1025.34PZ**

Interior separation with 2 separators assembled every 2nd link **2 x 154**

Order text: 1m B15.025.038.0 + 1025.12PZ + 2 x 154



Order key

Openable along the outer radius

Openable along the inner radius

B15.025.038.0

B15i.025.038.0

Series / Type

Width index (depends on B)

Bend radius R

Colour index (standard black)

Order index for color options

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

Black e-chains® ship as early as today.*
Above special colors upon request.



e-chains® | Series 10 | One-piece, non-openable

Part No.	<i>Bi</i>	<i>Ba</i>	Weight
e-chains®	in. (mm)	in. (mm)	lbs/ft. (kg/m)
10.015. <i>R.0</i> Ⓢ	.59 (15)	1.02 (26)	≈ 0.24 (0.35)
10.025. <i>R.0</i> Ⓢ	.98 (25)	1.42 (36)	≈ 0.27 (0.40)
10.038. <i>R.0</i> Ⓢ	1.50 (38)	1.93 (49)	≈ 0.31 (0.46)
10.050. <i>R.0</i> Ⓢ	1.97 (50)	2.40 (61)	≈ 0.35 (0.52)
10.5. <i>R.0</i>	2.48 (63)	2.99 (76)	≈ 0.42 (0.63)
10.6. <i>R.0</i>	3.15 (80)	3.70 (94)	≈ 0.47 (0.70)
10.7. <i>R.0</i>	3.94 (100)	4.45 (113)	≈ 0.51 (0.76)

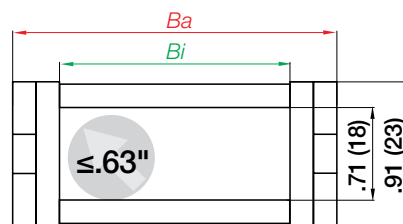
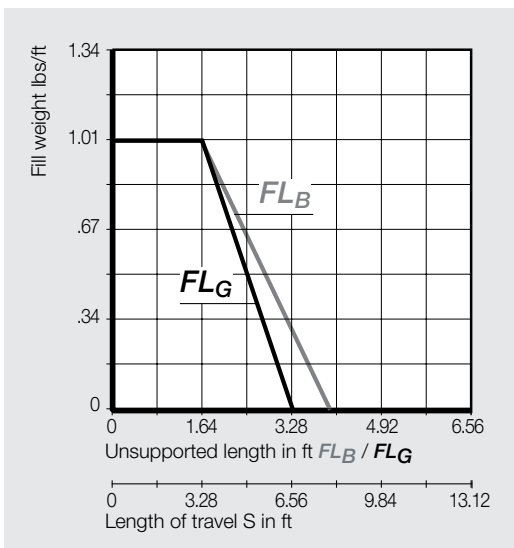
Ⓢ *RBR* version (Reverse Bend Radius), some radii available from stock. More information ► From page 132

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

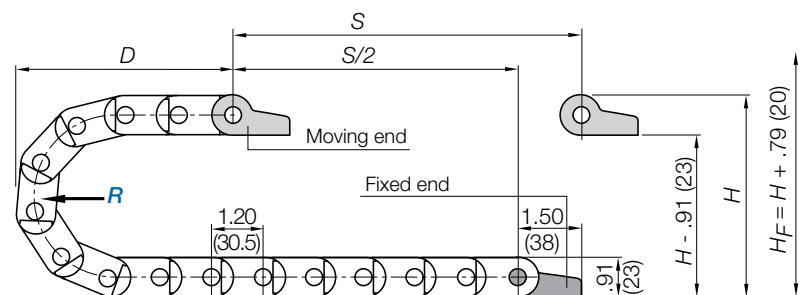
Available bend radii

R in. (mm) | 1.10 (028) | 1.50 (038) | 1.89 (048) | 2.95 (075) | 3.94 (100) | 4.33 (110) | 4.92 (125) | 5.71 (145) | 7.09 (180) |

Installation dimensions



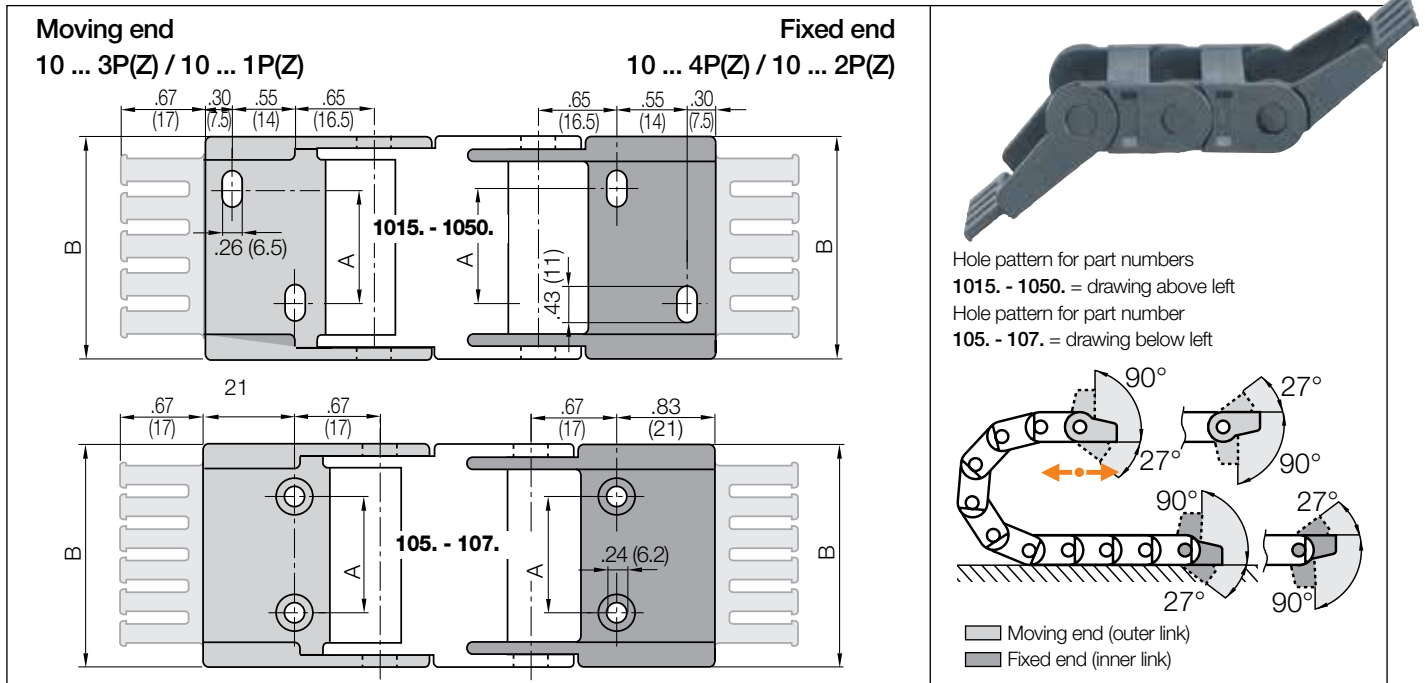
Inner height in. (mm)	.71 (18)
Pitch per link in. (mm)	1.20 (30.5)
Links/ft (m)	10 (33)
corresponds to (mm)	1,000
e-chain® length	$L_K = \frac{S}{2} + K$



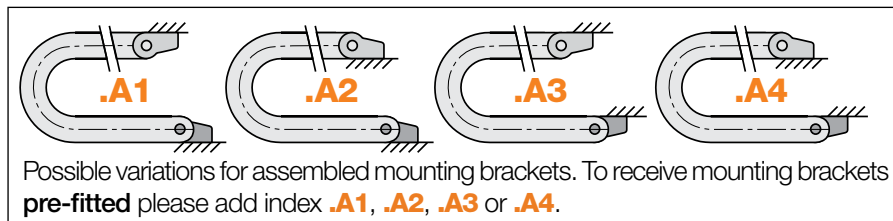
<i>R</i>	1.10 (028)	1.50 (038)	1.89 (048)	2.95 (075)	3.94 (100)	4.33 (110)	4.92 (125)	5.71 (145)	7.09 (180)
<i>H</i>	3.11 (79)	3.90 (99)	4.69 (119)	6.81 (173)	8.78 (223)	9.57 (243)	10.75 (273)	12.32 (313)	15.08 (383)
<i>D</i>	3.35 (85)	3.74 (95)	4.3 (105)	5.20 (132)	6.18 (157)	6.57 (167)	7.16 (182)	7.95 (202)	9.33 (237)
<i>K</i>	5.91 (150)	7.28 (185)	8.46 (215)	11.81 (300)	14.96 (380)	16.14 (410)	17.91 (455)	20.47 (520)	24.80 (630)

The required clearance height: $H_F = H + .59$ in. (20 mm) with .50 lbs/ft (0.34 kg/m) fill weight.

Mounting brackets, polymer one-piece | Pivoting | Locking

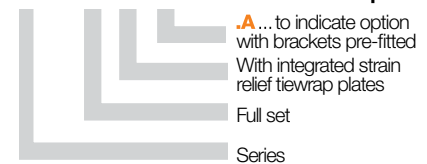


Width index		Part No. full set pivoting		Part No. full set locking		A in. (mm)	B in. (mm)	Number of teeth
		with tiewrap plate	without tiewrap plate	with tiewrap plate	without tiewrap plate			
015.	▶	1015.34PZ	1015.34P	1015.12PZ	1015.12P	—	1.00 (25.5)	2
025.	▶	1025.34PZ	1025.34P	1025.12PZ	1025.12P	.39 (10)	1.40 (35.5)	3
038.	▶	1038.34PZ	1038.34P	1038.12PZ	1038.12P	.91 (23)	1.91 (48.5)	4
050.	▶	1050.34PZ	1050.34P	1050.12PZ	1050.12P	1.38 (35)	2.38 (60.5)	5
5.	▶	105. 34PZ	105. 34P	105. 12PZ	105. 12P	1.89 (48)	2.95 (75.0)	6
6.	▶	106. 34PZ	106. 34P	106. 12PZ	106. 12P	2.56 (65)	3.62 (92.0)	8
7.	▶	107. 34PZ	107. 34P	107. 12PZ	107. 12P	3.3 (85)	4.41 (112.0)	10



1025.34PZ.A1

Order example



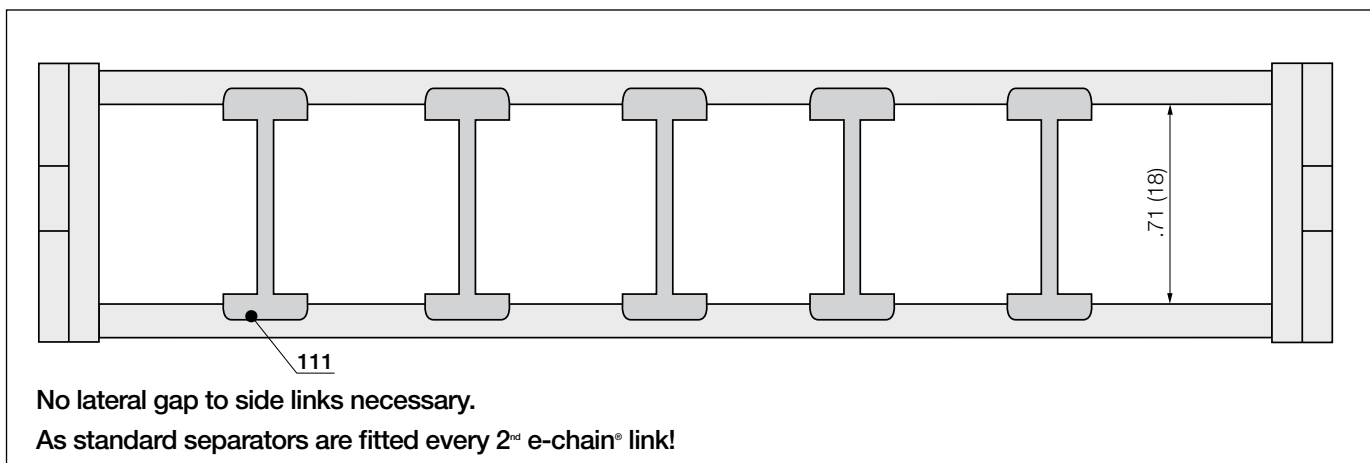
Rotating energy supply systems with Reverse Bend Radius (RBR) - some radii available from stock

- Maximum rotation angle in minimal installation space
- Minimum displacement forces and maximum service life
- Short delivery times 24hrs, from stock

More information and the complete product range ▶ From page 132



Interior separation



		Separator, for e-chains®	
		unassembled	101
		assembled	111

Separator

For easy vertical separation in e-chains®. Separators can be arranged in any position in the cross-section. **Interior separation is not possible for series 10.015.R.0.**

Options | With molded-in vertical separation

Part No.	<i>Bi</i>	<i>Ba</i>	<i>R</i> Available bend radii
e-chains®	in. (mm)	in. (mm)	in. (mm)
10.038. <i>R</i> .0.S	1.50 (38)	1.93 (49)	2.95 (075)
10.050. <i>R</i> .0.S	1.97 (50)	2.40 (61)	2.95 (075)

Chamber design	A	B	Weight
	in. (mm)	in. (mm)	lbs/ft. (kg/m)
	.39 (10)	.59 (15)	≈ 0.530 (0.79)
	.51 (13)	.83 (21)	≈ 0.571 (0.85)

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



Cost-effective cable guidance with E2 mini in a moving monitor application

Large inner height, asymmetric design

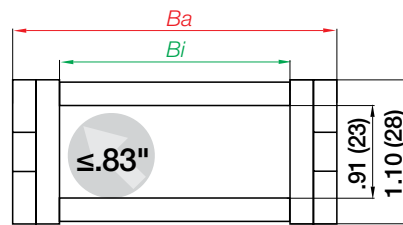
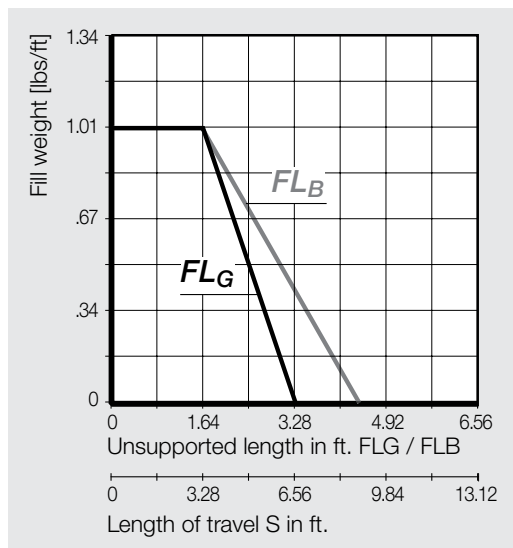


e-chains® | Series 11.031 | One-piece, non-openable

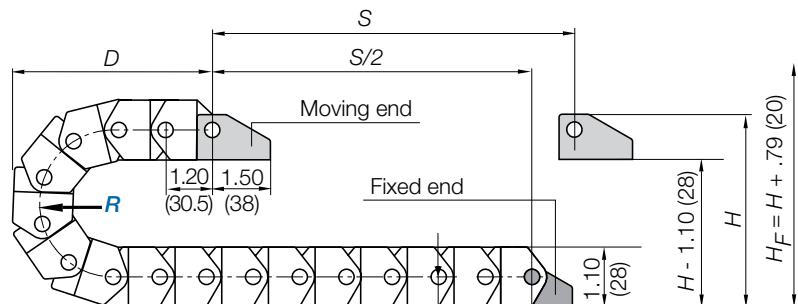
Part No.	<i>Bi</i>	<i>Ba</i>	<i>R</i> Available bend radii	Weight
e-chains®	in. (mm)	in. (mm)	in. (mm)	lbs/ft. (kg/m)
11.031. <i>R</i> .0	1.22 (31)	1.62 (41.2)	1.77 (045) 2.76 (070)	≈ 0.29 (0.43)

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

Installation dimensions



Inner height in. (mm)	.91 (23)
Pitch per link in. (mm)	1.20 (30.5)
Links/ft (m)	10 (33)
corresponds to (mm)	1,000
e-chain® length	$L_K = \frac{S}{2} + K$



R 1.77 (045) 2.76 (070)

H 4.84 (123) 6.81 (173)

D 3.54 (107) 5.20 (132)

K 8.07 (205) 11.22 (285)

The required clearance height: $H_F = H + .59$ in. (20 mm) with .50 lbs/ft (0.34 kg/m) fill weight.

Moving end 11 ... 1P(Z)

Fixed end 11 ... 2P(Z)

Dimensions: .67 (17), .83 (21), .67 (17)

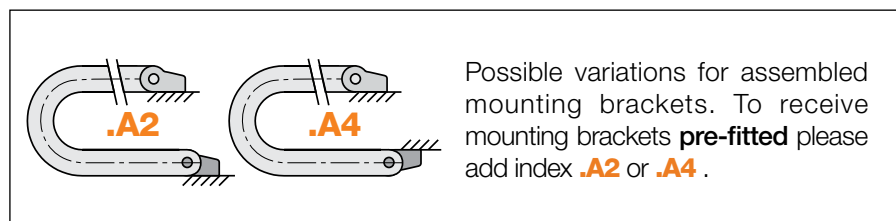
Pin diameter: $\phi .20$ (5.1)

Slot width: .20 (5.1)

Angles: 65°, 90°, 40°

Legend:
 Moving end (outer link)
 Fixed end (inner link)

Width index		Part No. full set		A	B	Number of teeth
		with tiewrap plate	without tiewrap plate	in. (mm)	in. (mm)	
031.		11.031.12PZ	11.031.12P	.63 (16)	1.65 (42)	3



11.031.12PZ.A2

Order example

A...to indicate option with brackets pre-fitted
With integrated strain relief tiwrap plates

Full set

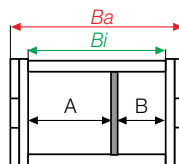
Series

Large inner height, asymmetric design



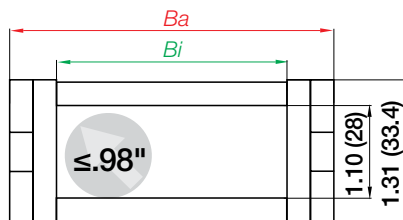
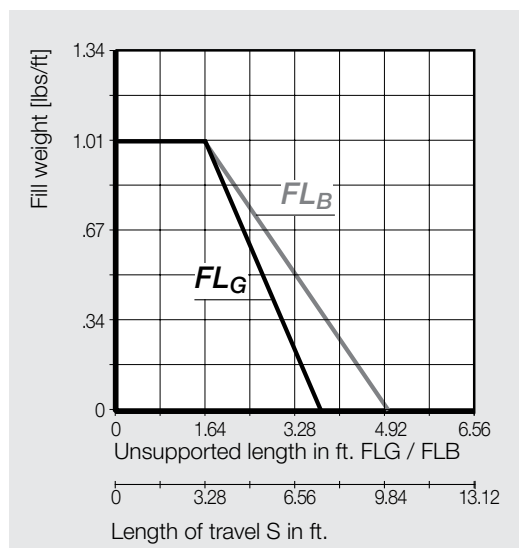
e-chains® | Series 11.080 | One-piece, non-openable

Part No.	<i>Bi</i>	<i>Ba</i>	<i>R</i> Available bend radii	Chamber design	A	B	Weight
e-chains®	in. (mm)	in. (mm)	in. (mm)		in. (mm)	in. (mm)	lbs/ft. (kg/m)
11.080. <i>R.0</i>	3.15 (80)	3.66 (93)	1.50 (038) 2.56 (065)		1.81 (46)	1.26 (32)	≈ 0.49 (0.73)

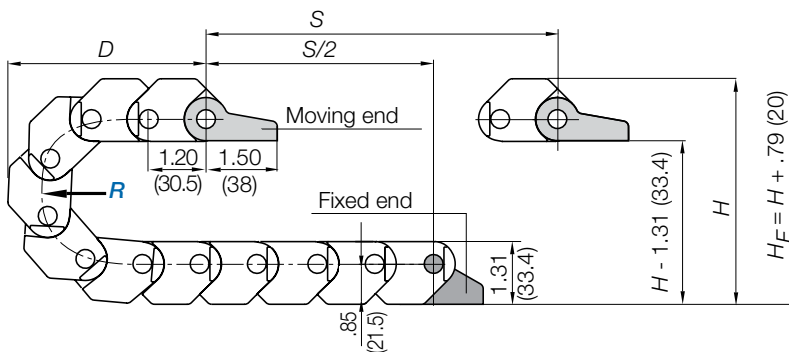


Complete Part No. with required radius (*R*). Example: 11.080.038.0

Installation dimensions



Inner height in. (mm)	1.10 (28)
Pitch per link in. (mm)	1.20 (30.5)
Links/ft (m)	10 (33)
corresponds to (mm)	1,000
e-chain® length	$L_K = \frac{S}{2} + K$



R 1.50 (038) 2.56 (065)

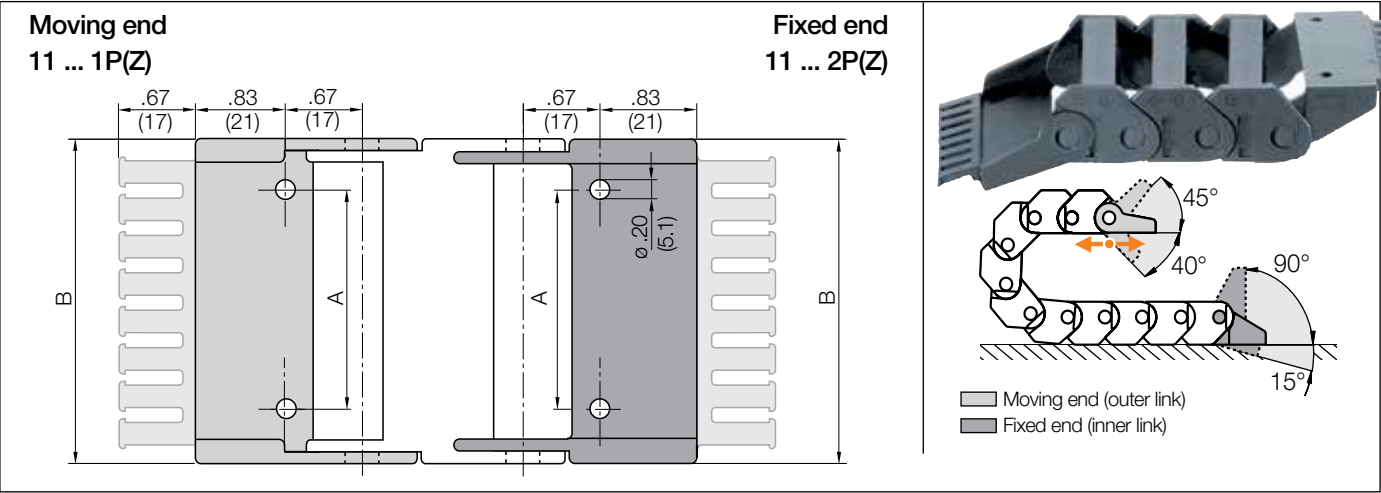
H 4.69 (119) 6.81 (173)

D 4.13 (105) 5.20 (132)

K 7.28 (185) 10.63 (270)

The required clearance height: $H_F = H + .59$ in. (20 mm) with .50 lbs/ft (0.34 kg/m) fill weight.

Mounting brackets, polymer one-piece | Pivoting



Width index		Part No. full set		A	B	Number of teeth
		with tiewrap plate	without tiewrap plate			
080.	▶	11.080.12PZ	11.080.12P	2.56 (65)	3.66 (93)	8

Possible variations for assembled mounting brackets. To receive mounting brackets **pre-fitted** please add index **.A2**

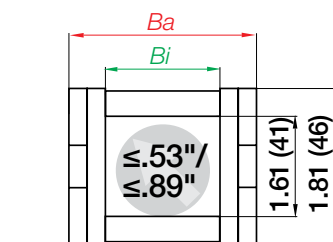
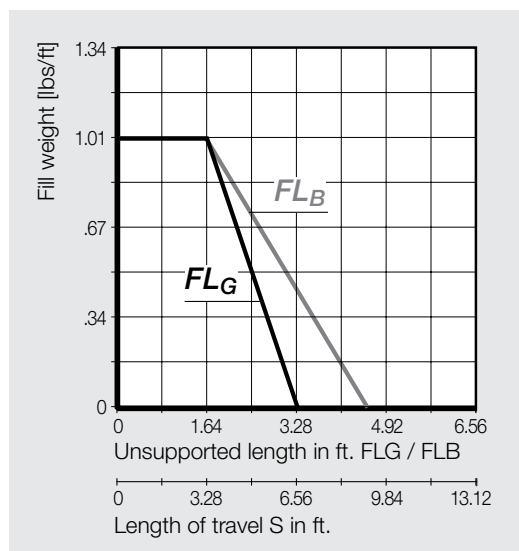
11.080.12PZ.A2 **Order example**

.A... to indicate option with brackets pre-fitted
With integrated strain relief tiewrap plates
Full set
Series

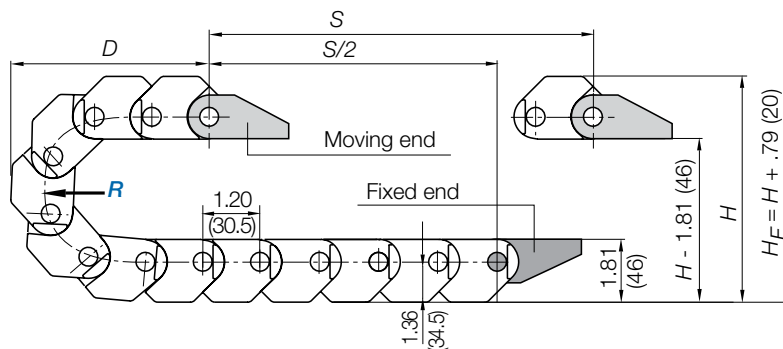


Complete Part No. with required radius (*R*). Example: **11.1.040.0**

Installation dimensions



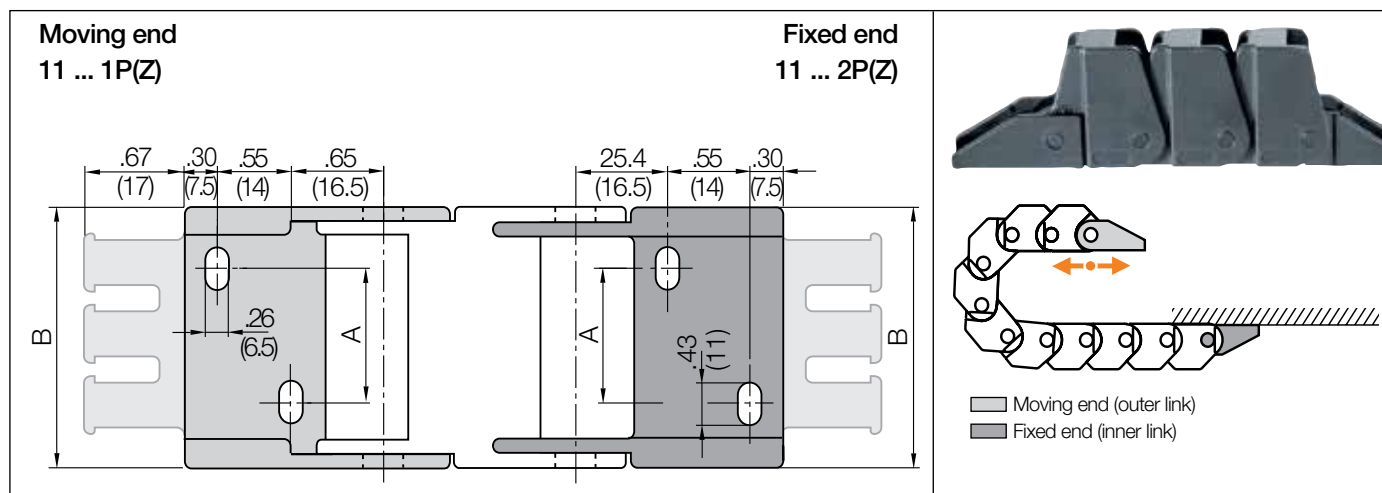
Inner height in. (mm)	1.61 (41)
Pitch per link in. (mm)	1.20 (30.5)
Links/ft (m)	10 (33)
corresponds to (mm)	1,000
e-chain [®] length	$L_K = \frac{s}{2} + K$



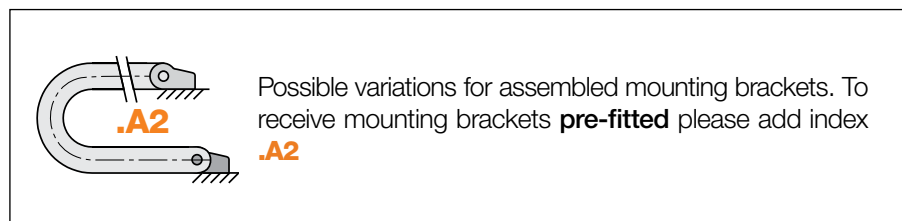
R	1.57 (040)	2.48 (063)	2.95 (075)	3.94 (100)
H	5.87 (149)	7.68 (195)	8.62 (219)	10.59 (269)
D	4.72 (120)	5.63 (143)	6.10 (155)	7.09 (180)
K	7.48 (190)	10.24 (260)	11.81 (300)	14.96 (380)

The required clearance height: $H_F = H + .59 \text{ in. (20 mm)}$ with .50 lbs/ft (0.34 kg/m) fill weight.

Mounting brackets, polymer one-piece | Pivoting



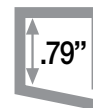
Width index	Part No. full set with tiewrap plate	Part No. full set without tiewrap plate	A in. (mm)	B in. (mm)	Number of teeth
1.	101.12PZ	101.12P	–	1.02 (26)	2
2.	102.12PZ	102.12P	.39 (10)	1.42 (36)	3



101.12PZ.A4

Order example

- .A... to indicate option with brackets pre-fitted
- With integrated strain relief tiewrap plates
- Full set
- Series

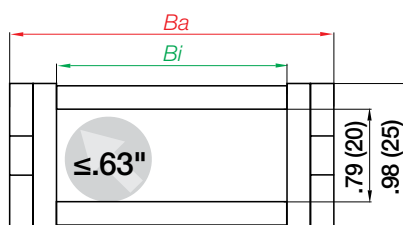
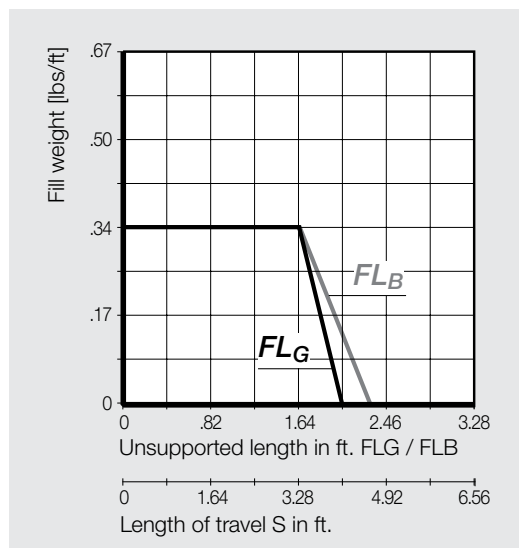


e-chains® | Series 14 | Openable along the inner radius from one side with film hinge

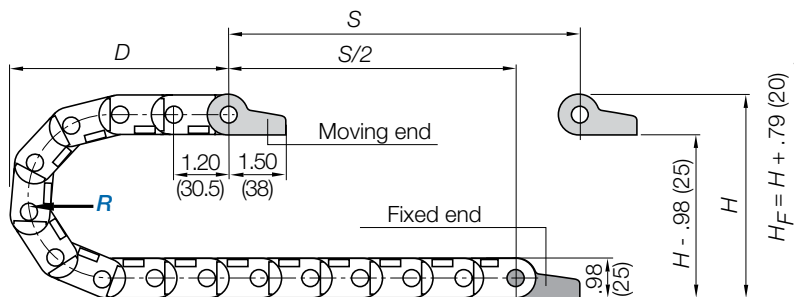
Part No.	<i>Bi</i>	<i>Ba</i>	<i>R</i> Available bend radii	Weight
e-chains®	in. (mm)	in. (mm)	in. (mm)	lbs/ft. (kg/m)
14.1 <i>R</i> .0	.59 (15)	1.02 (26)	1.10 (028) 1.50 (038) 1.89 (048) 2.95 (075) 3.94 (100) 4.92 (125)	≈ 0.21 (0.31)
14.2 <i>R</i> .0	.98 (25)	1.42 (36)	1.10 (028) 1.50 (038) 1.89 (048) 2.95 (075) 3.94 (100) 4.92 (125)	≈ 0.22 (0.32)
14.3 <i>R</i> .0	1.50 (38)	1.93 (49)	1.10 (028) 1.50 (038) 1.89 (048) 2.95 (075) 3.94 (100) 4.92 (125)	≈ 0.27 (0.40)
14.4 <i>R</i> .0	1.97 (50)	2.40 (61)	1.10 (028) 1.50 (038) 1.89 (048) 2.95 (075) 3.94 (100) 4.92 (125)	≈ 0.28 (0.41)

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

Installation dimensions



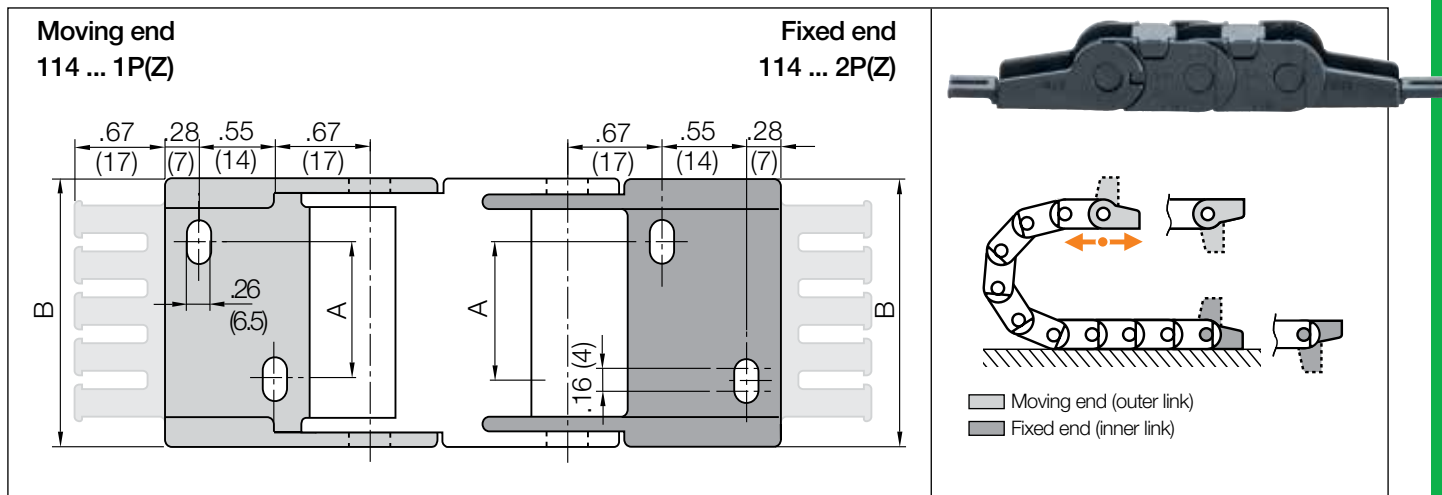
Inner height in. (mm)	.79 (20)
Pitch per link in. (mm)	1.20 (30.5)
Links/ft (m)	10 (33)
corresponds to (mm)	1,000
e-chain ^a length	$L_K = \frac{s}{2} J_2 + K$



R	1.10 (028)	1.50 (038)	1.89 (048)	2.95 (075)	3.94 (100)	4.92 (125)
H	3.19 (81)	3.98 (101)	4.76 (121)	6.89 (175)	8.86 (225)	10.83 (275)
D	3.39 (86)	3.78 (96)	4.17 (106)	5.24 (133)	6.22 (158)	7.20 (183)
K	6.02 (150)	7.42 (185)	8.61 (215)	11.81 (300)	14.96 (380)	17.91(455)

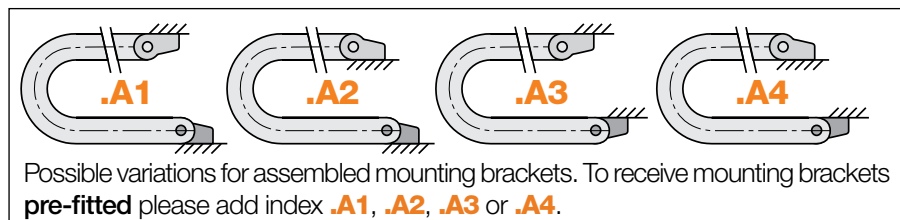
The required clearance height: $H_F = H + .59 \text{ in. (20 mm)}$ with .50 lbs/ft (0.34 kg/m) fill weight.

Mounting brackets, polymer one-piece | Locking



Width index	Part No. full set with tie-wrap plate	Part No. full set without tie-wrap plate	A in. (mm)	B in. (mm)	Number of teeth
1. ▶	114.1.12.PZ	114.1.12.P	—	1.04 (26.3)	2
2. ▶	114.2.12.PZ	114.2.12.P	.39 (10)	1.43 (36.3)	3
3. ▶	114.3.12.PZ	114.3.12.P	.91 (23)	1.94 (49.3)	4
4. ▶	114.4.12.PZ	114.4.12.P	1.38 (35)	2.41 (61.3)	5

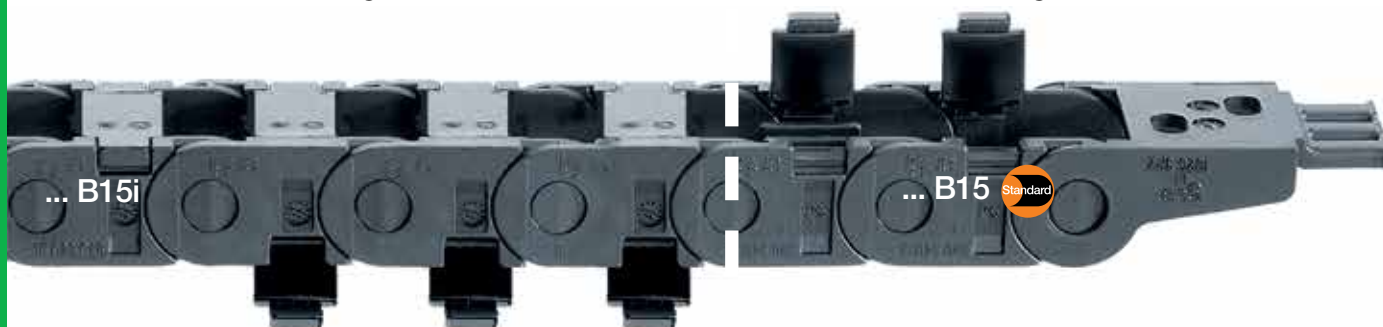
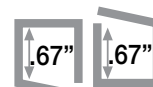
Material mounting bracket - igumid G, temperature: -40° up to 248°F (-40° up to +120°C), VDE 0304 IIC UL94-HB



114.2.12PZ.A1

Order example

.A... to indicate option with brackets pre-fitted
 With integrated strain relief tie-wrap plates
 Full set
 Series



e-chains® | Series B15i | Openable along the inner radius, from one side
e-chains® | Series B15 | Openable along the outer radius, from one side

Part No. e-chains® openable along inner radius	Part No. e-chains® openable along outer radius	<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)	Weight lbs/ft. (kg/m)
B15i.015. <i>R</i> .0	B15.015. <i>R</i> .0	.59 (15)	1.02 (26)	≈ 0.24 (0.35)
B15i.025. <i>R</i> .0	B15.025. <i>R</i> .0	.98 (25)	1.42 (36)	≈ 0.27 (0.40)
B15i.038. <i>R</i> .0	B15.038. <i>R</i> .0	1.50 (38)	1.93 (49)	≈ 0.31 (0.46)
B15i.050. <i>R</i> .0	B15.050. <i>R</i> .0	1.97 (50)	2.40 (61)	≈ 0.35 (0.52)
B15i.5. <i>R</i> .0	B15.5. <i>R</i> .0	2.48 (63)	2.99 (76)	≈ 0.42 (0.63)
B15i.6. <i>R</i> .0	B15.6. <i>R</i> .0	3.15 (80)	3.70 (94)	≈ 0.47 (0.70)
B15i.7. <i>R</i> .0	B15.7. <i>R</i> .0	3.94 (100)	4.45 (113)	≈ 0.51 (0.76)

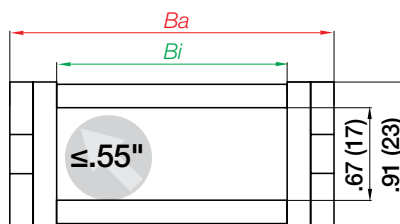
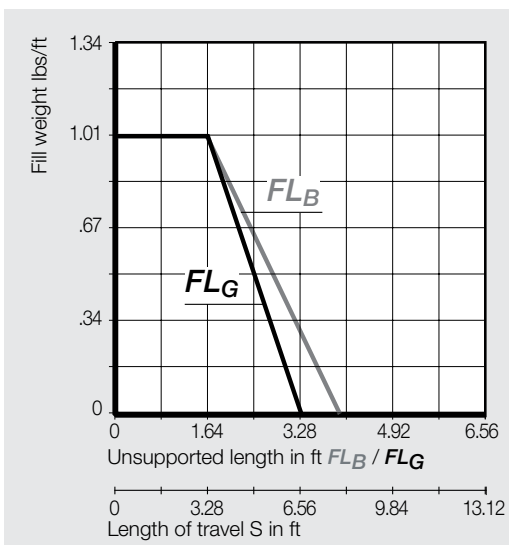
⊙ *RBR* version (Reverse Bend Radius), some radii available from stock. More information ► From page 132

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

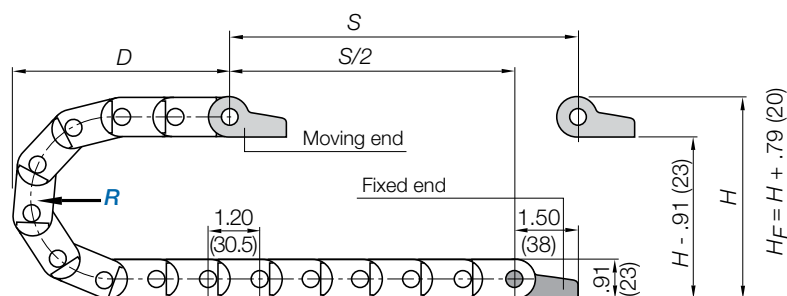
Available bend radii

R in. (mm) | 1.50 (038) | 1.89 (048) | 2.95 (075) | 3.94 (100) | 4.33 (110) | 4.92 (125) | 5.71 (145) | 7.09 (180) |

Installation dimensions

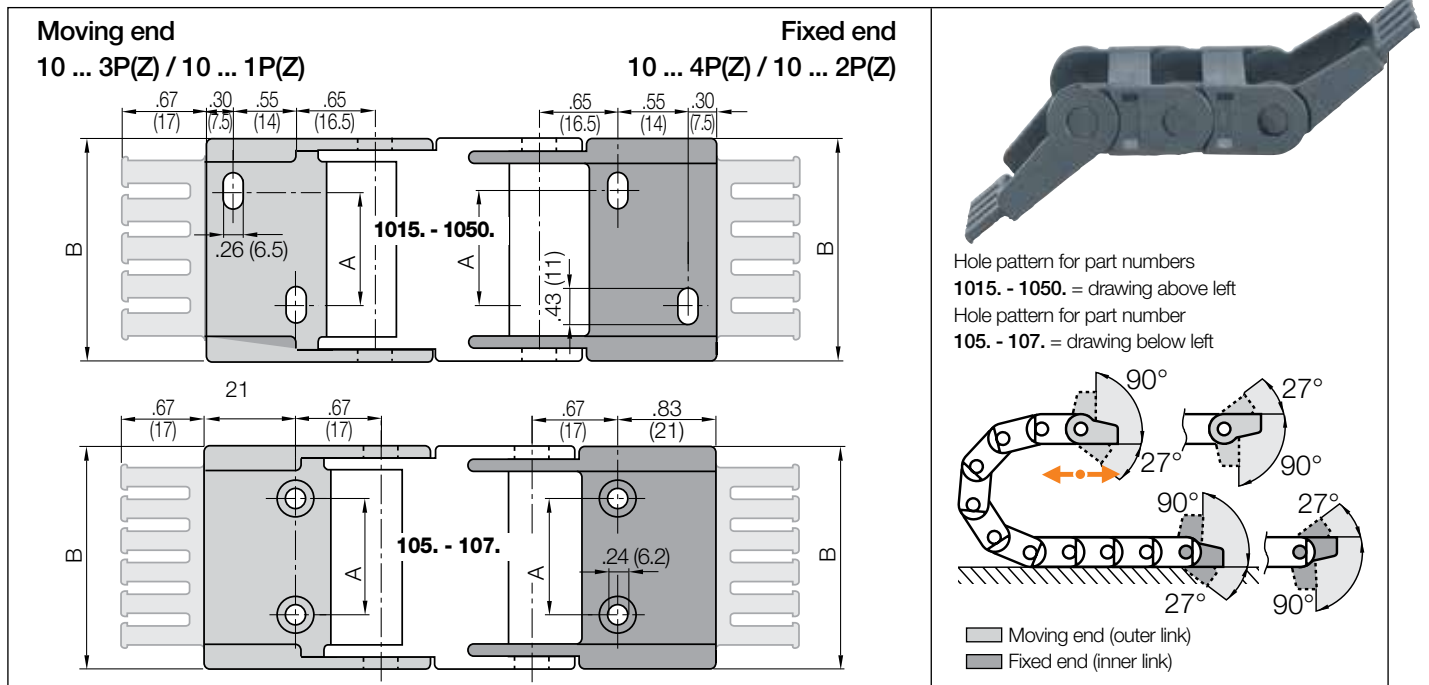


Inner height in. (mm)	.67 (17)
Pitch per link in. (mm)	1.20 (30.5)
Links/ft (m)	10 (33)
corresponds to (mm)	1,000
e-chain® length	$L_K = \frac{S}{2} + K$

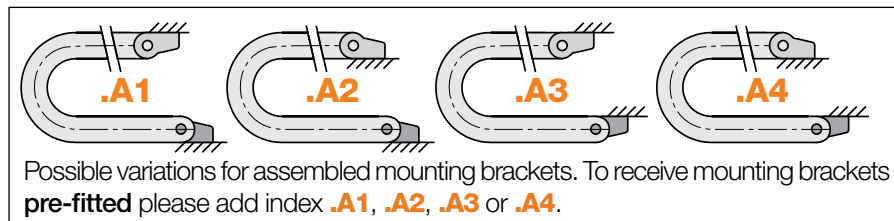


<i>R</i>	1.50 (038)	1.89 (048)	2.95 (075)	3.94 (100)	4.33 (110)	4.92 (125)	5.71 (145)	7.09 (180)
<i>H</i>	3.90 (99)	4.69 (119)	6.81 (173)	8.78 (223)	9.57 (243)	10.75 (273)	12.32 (313)	15.08 (383)
<i>D</i>	3.74 (95)	4.13 (105)	5.20 (132)	6.18 (157)	6.57 (167)	7.16 (182)	7.95 (202)	9.33 (237)
<i>K</i>	7.28 (185)	8.46 (215)	11.81 (300)	14.96 (380)	16.14 (410)	17.91 (455)	20.47 (520)	24.80 (630)

The required clearance height: $H_r = H + .59$ in. (20 mm) with .50 lbs/ft (0.34 kg/m) fill weight.

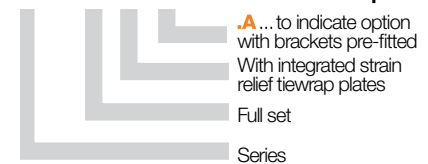


Width index		Part No. full set pivoting		Part No. full set locking		A in. (mm)	B in. (mm)	Number of teeth
		with tiewrap plate	without tiewrap plate	with tiewrap plate	without tiewrap plate			
015.	►	1015.34PZ	1015.34P	1015.12PZ	1015.12P	—	1.00 (25.5)	2
025.	►	1025.34PZ	1025.34P	1025.12PZ	1025.12P	.39 (10)	1.40 (35.5)	3
038.	►	1038.34PZ	1038.34P	1038.12PZ	1038.12P	.91 (23)	1.91 (48.5)	4
050.	►	1050.34PZ	1050.34P	1050.12PZ	1050.12P	1.38 (35)	2.38 (60.5)	5
5.	►	105.34PZ	105.34P	105.12PZ	105. 12P	1.89 (48)	2.95 (75.0)	6
6.	►	106.34PZ	106.34P	106.12PZ	106. 12P	2.56 (65)	3.62 (92.0)	8
7.	►	107.34PZ	107.34P	107.12PZ	107. 12P	3.34 (85)	4.41 (112.0)	10

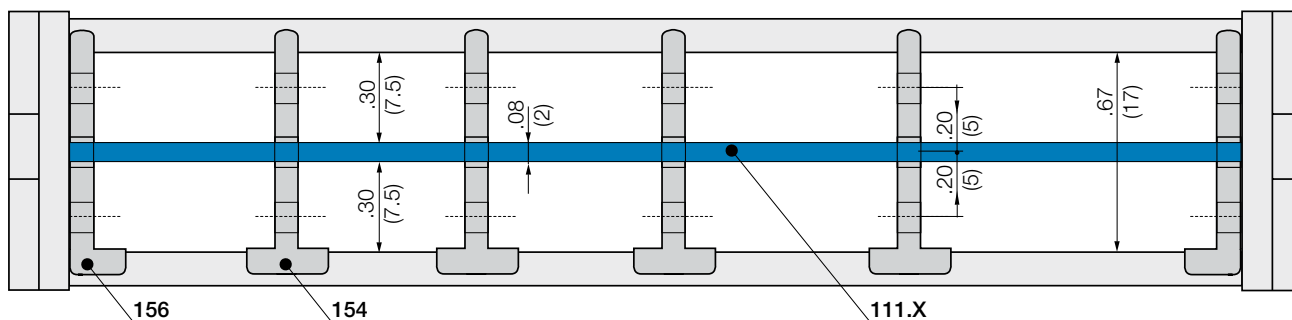


1025.34PZ.A1

Order example



Interior separation



No lateral gap to side links necessary.

As standard separators are fitted every 2nd e-chain® link!

		Slotted separator	
		unassembled	153
		assembled	154

Slotted separator

Vertical subdivision in e-chains®. The slot allows basic vertical/horizontal shelving arrangements.

		Slotted side plate	
		unassembled	155
		assembled	156

Slotted side plate

Allows modular shelving right up to the side links. No clearance required!

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

Full-width shelf

This option is for applications with many small cables with similar diameters. For full-width separation.

Full-width shelves

Width = X in. [mm]

X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled
.59 (015)	110.15	111.15	1.97 (050)	110.50	111.50	3.94 (100)	110.100	111.100
.98 (025)	110.25	111.25	2.48 (063)	110.63	111.63			
1.50 (038)	110.38	111.38	3.15 (080)	110.80	111.80			



E2 mini is a space-saving, reliable cable guide, here supplying power to lift doors



e-chains® | Series B17i | Openable along the inner radius, from one side
 e-chains® | Series B17 | Openable along the outer radius, from one side

Part No. e-chains® openable along inner radius	Part No. e-chains® openable along outer radius	<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)	Weight lbs/ft. (kg/m)
—	B17.1. <i>R</i> .0	.59 (15)	1.00 (25.5)	≈ 0.349 (0.52)
B17i.2. <i>R</i> .0	B17.2. <i>R</i> .0	.98 (25)	1.40 (35.5)	≈ 0.396 (0.59)
B17i.3. <i>R</i> .0	B17.3. <i>R</i> .0	1.50 (38)	1.91 (48.5)	≈ 0.437 (0.65)
B17i.4. <i>R</i> .0	B17.4. <i>R</i> .0	1.97 (50)	2.38 (60.5)	≈ 0.470 (0.70)
B17i.5. <i>R</i> .0	B17.5. <i>R</i> .0	2.48 (63)	2.99 (76)	≈ 0.558 (0.83)
—	B17.6. <i>R</i> .0	3.15 (80)	3.66 (93)	≈ 0.618 (0.92)
—	B17.7. <i>R</i> .0	3.94 (100)	4.45 (113)	≈ 0.712 (1.06)

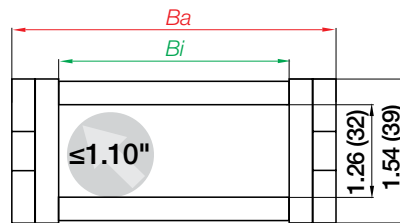
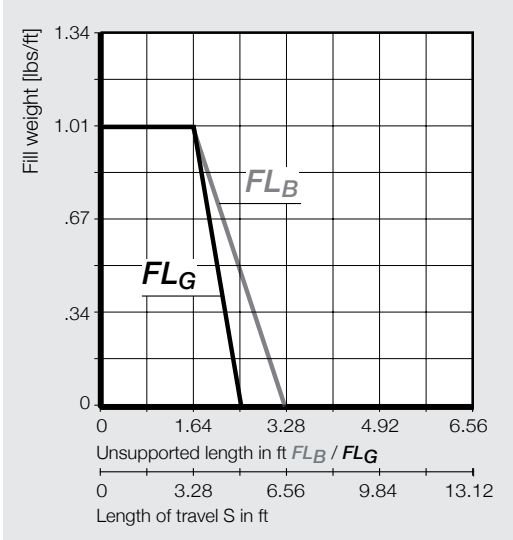
⊙ *RBR* version (Reverse Bend Radius), some radii available from stock. More information ► From page 132

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

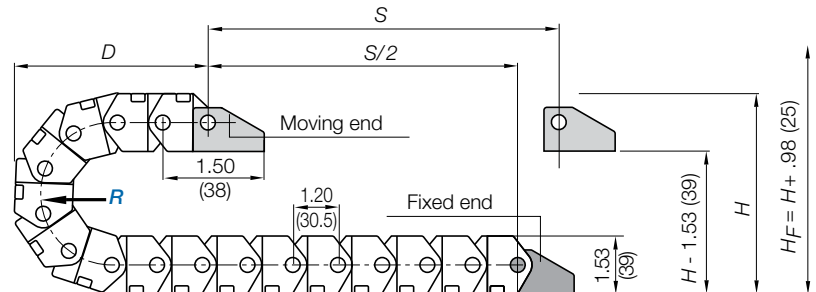
Available bend radii

R in. (mm) | 1.89 (048) | 2.48 (063) | 2.95 (075) | 3.94 (100) | 4.92 (125) |

Installation dimensions



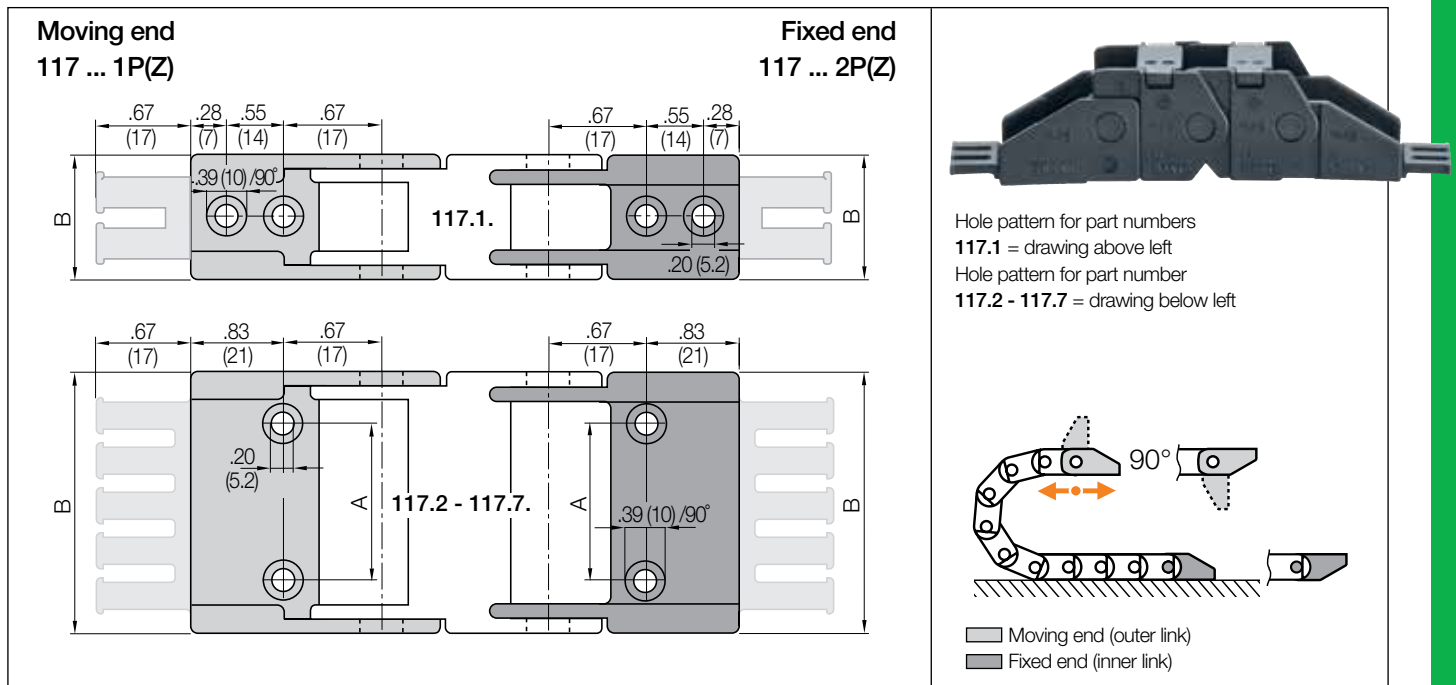
Inner height in. (mm)	1.26 (32)
Pitch per link in. (mm)	1.20 (30.5)
Links/ft (m)	10 (33)
corresponds to (mm)	1,000
e-chain® length	$L_K = \frac{S}{2} + K$



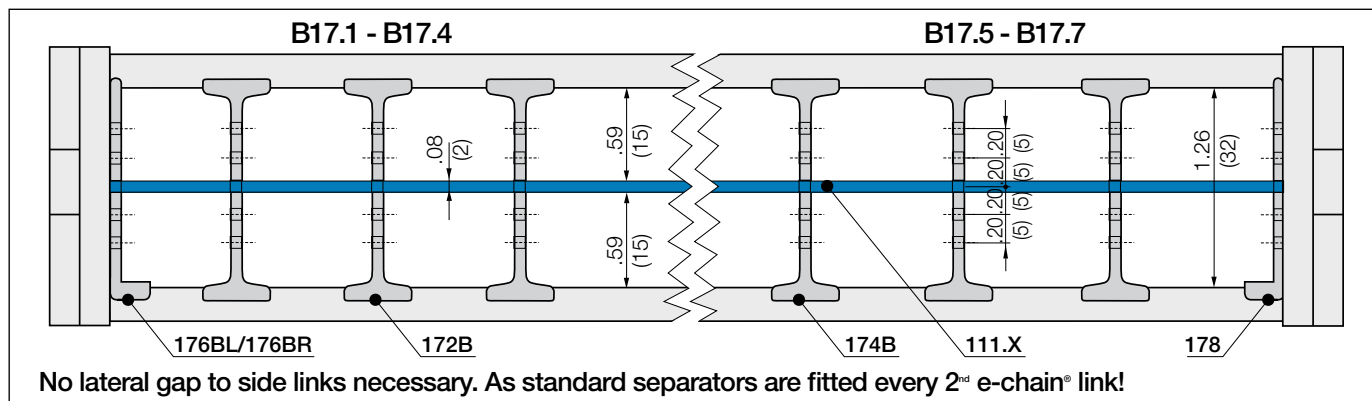
<i>R</i>	1.89 (048)	2.48 (063)	2.95 (075)	3.94 (100)	4.92 (125)
<i>H</i>	5.31 (135)	6.50 (165)	7.44 (189)	9.41 (239)	11.38 (289)
<i>D</i>	4.45 (113)	5.04 (128)	5.51 (140)	6.50 (165)	7.48 (190)
<i>K</i>	8.46 (215)	10.24 (260)	11.81 (300)	14.96 (380)	17.91 (455)

The required clearance height: $H_r = H + .59$ in. (20 mm) with .50 lbs/ft (0.34 kg/m) fill weight.

Mounting brackets, polymer one-piece | Locking



Interior separation



		Slotted separator
		unassembled 171B assembled 172B

For width index B17.1 up to B17.4**Slotted separator**

Vertical separation in e-chains[®]. The slot allows basic vertical/horizontal shelving arrangements.

		Slotted side plate, left
		unassembled 175BL assembled 176BL

Slotted side plate, left (from B17.2)

Allows modular shelving right up to the side links. No clearance required!

		Slotted side plate, right
		unassembled 175BR assembled 176BR

Slotted side plate, right (from B17.2)

Allows modular shelving right up to the side links. No clearance required!

		Slotted separator
		unassembled 173B assembled 174B

For width index B17.5 up to B17.7**Slotted separator**

Vertical separation in e-chains[®]. The slot allows basic vertical/horizontal shelving arrangements.

		Slotted side plate
		unassembled 177 assembled 178

Slotted side plate

Allows modular shelving right up to the side links. No clearance required!

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

For all widths**Full-width shelf**

This option is for applications with many small cables with similar diameters. For full-width separation.

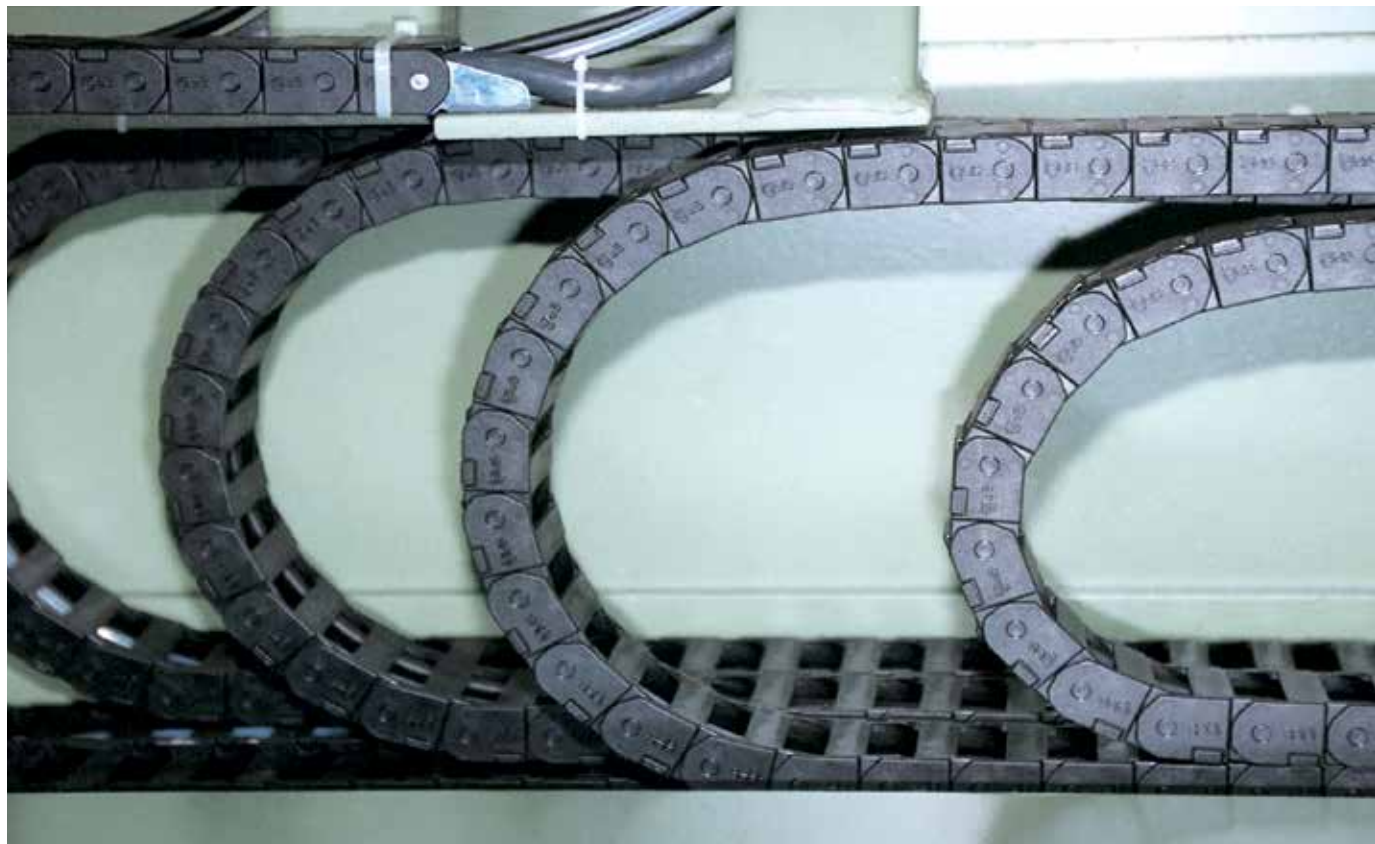
Full-width shelves

Width = X in. [mm]

X in. (mm)	unassembled	assembled
.59 (015)	110.15	111.15
.98 (025)	110.25	111.25
1.50 (038)	110.38	111.38

X in. (mm)	unassembled	assembled
1.97 (050)	110.50	111.50
2.48 (063)	110.63	111.63
3.15 (080)	110.80	111.80

X in. (mm)	unassembled	assembled
3.94 (100)	110.100	111.100



Five E2 mini chains installed above one another and side by side. The bend radii are exactly matched to each other

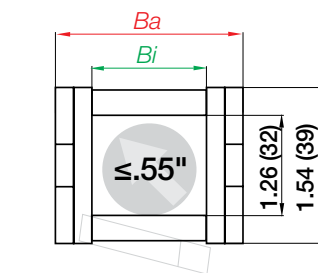
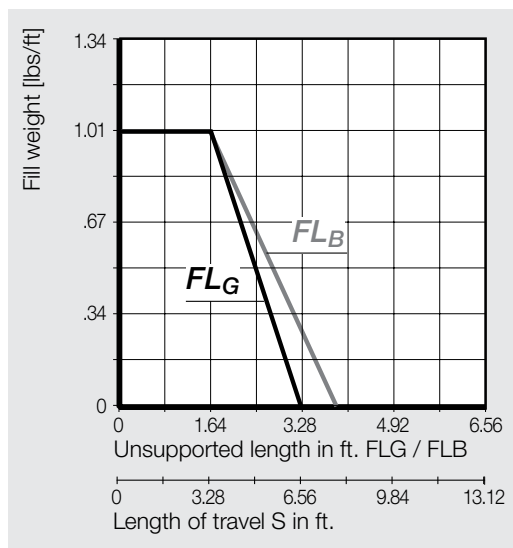


e-chains® | Series F17 | Openable along the inner radius from one side with film hinge

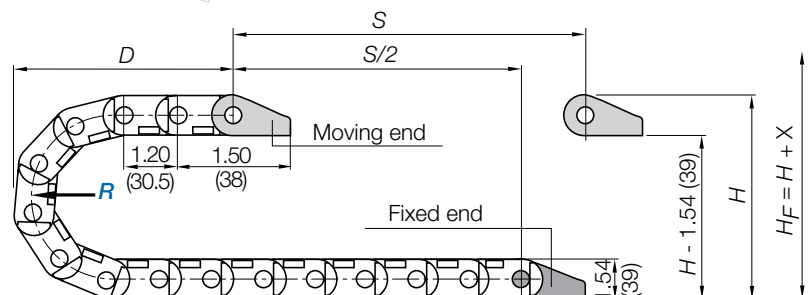
Part No.	<i>Bi</i>	<i>Ba</i>	<i>R</i> Available bend radii	Weight
e-chains®	in. (mm)	in. (mm)	in. (mm)	lbs/ft. (kg/m)
F17.015. <i>R</i> .0	.59 (15)	1.02 (26)	1.89 (048) 2.95 (075)	≈ 0.35 (0.52)

Complete Part No. with required radius (*R*). Example: F17.015.*R*.0

Installation dimensions



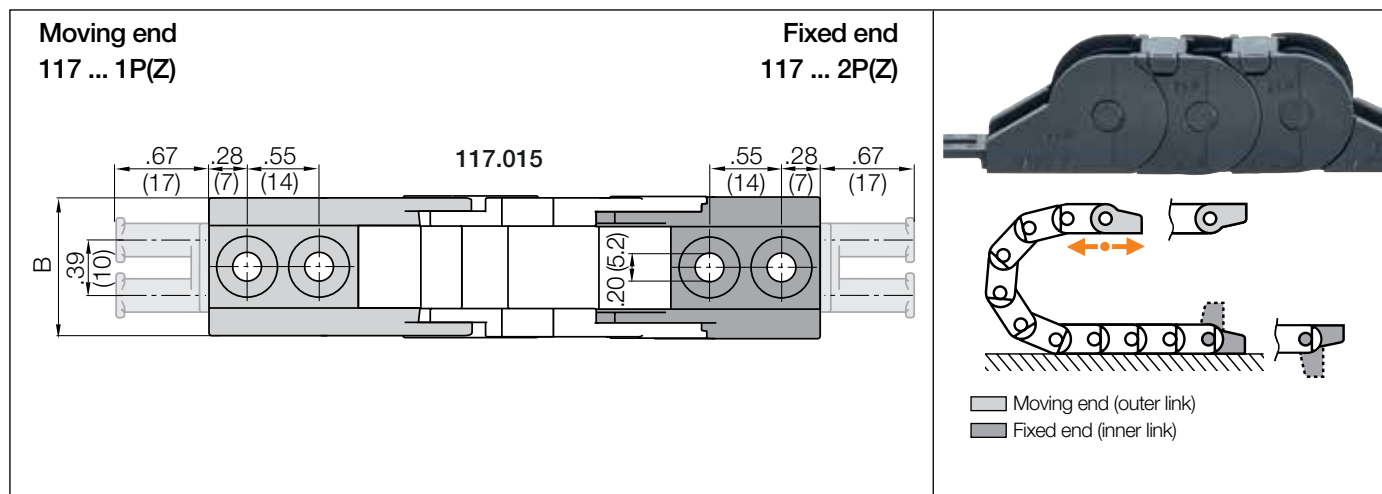
Inner height in. (mm)	1.26 (32)
Pitch per link in. (mm)	1.20 (30.5)
Links/ft (m)	10 (33)
corresponds to (mm)	1,000
e-chain® length	$L_K = \frac{S}{2} + K$



<i>R</i>	1.89 (048)	2.95 (075)
<i>H</i>	5.31 (135)	7.44 (189)
<i>D</i>	4.45 (113)	5.51 (140)
<i>K</i>	8.46 (215)	11.81 (300)

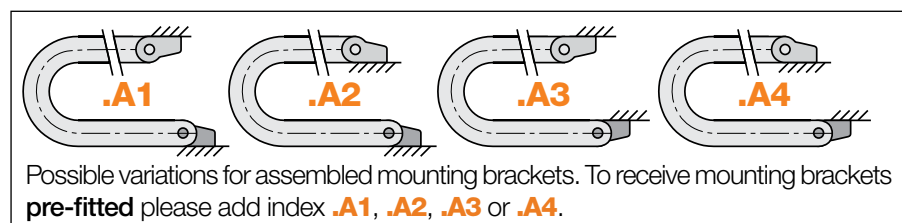
The required clearance height: $H_F = H + .59$ in. (20 mm) with .50 lbs/ft (0.34 kg/m) fill weight.

Mounting brackets, polymer one-piece | Locking



Width index	Standard	Part No. full set with tiewrap plate	Part No. full set without tiewrap plate	A in. (mm)	B in. (mm)	Number of teeth
015. ▶		117.015.12PZ	117.015.12P	—	1.09 (27.7)	2

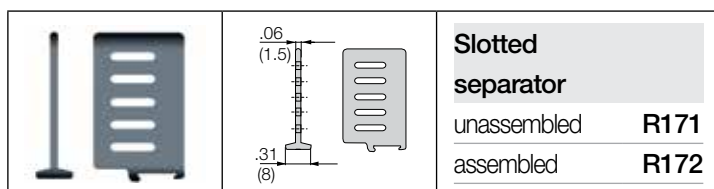
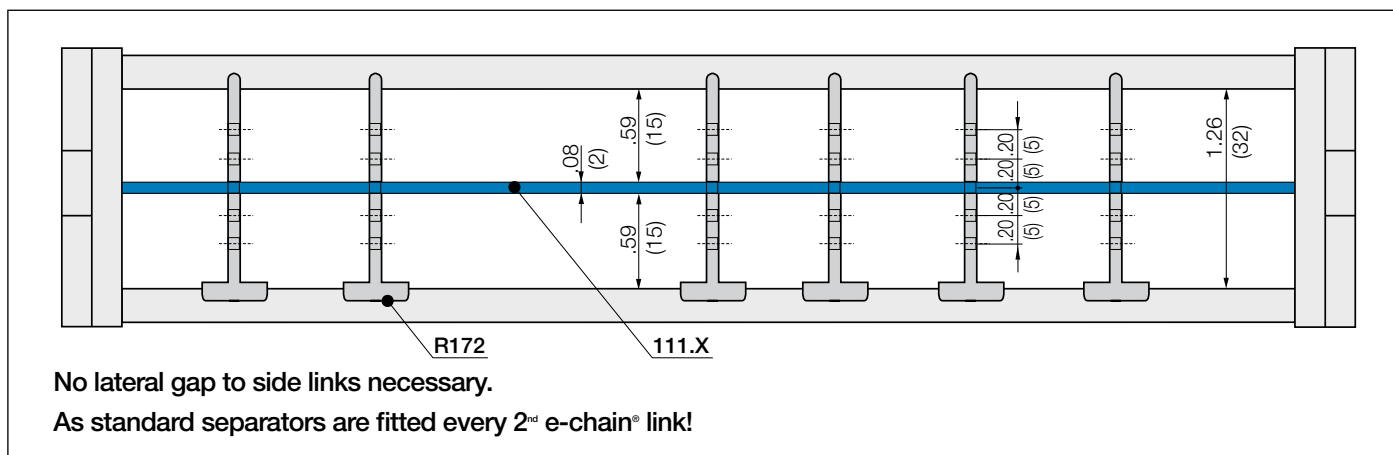
Material mounting bracket - igumid G, temperature: -40° up to 248°F (-40° up to +120°C), VDE 0304 IIC UL94-HB



117.015.12PZ.A1 Order example

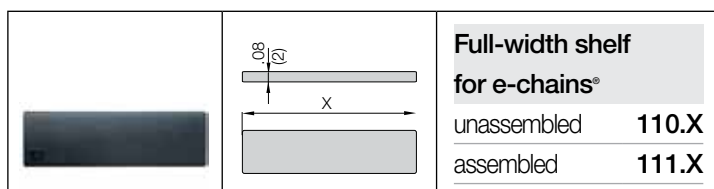


Interior separation



Slotted separator

Vertical subdivision in e-chains®. The slot allows basic vertical/horizontal shelving arrangements.



Full-width shelf

This option is for applications with many small cables with similar diameters. For full-width separation.

Full-width shelves

Width = X in. [mm]

X in. (mm)	unassembled	assembled
.59 (015)	110.15	111.15



E2 mini e-chain® with Reverse Bend Radius **RBR**





E2/000

All-rounder for a wide range of applications



Advantages of the E2/000 Series:

- When a medium-sized, strong system (e-chains®, half e-tubes, completely enclosed e-tubes) is required
- For unsupported lengths up to 3.0m and fill weights up to 13kg/m
- For travel lengths up to 150m
- If an openable system is required to quickly open from either the left or right
- Various fastening options



When to use another e-chain® series:

- If a stronger, light, cost-effective e-chain®/e-tube is required
 - ▶ E4.1L, page 546
- For very simple applications with fast filling
 - ▶ easy chain®, page 212
- If very sealed e-tubes are required
 - ▶ R2.1 e-tube, page 450
 - ▶ E2 R100 e-tube, page 474
 - ▶ E2 R e-tube, page 500
 - ▶ RX e-tube, page 524

The all-rounder for a wide range of applications - E2/000

Series E2/000 is the fourth generation in this size. All past experience went into this series: easy and versatile assembly combined with ruggedness - high strength paired with quieter motion - long cable service life and many mounting options. The design is consistent across all E2/000 variants. It is the standard product for machinery around the world.

Typical industries and applications

● Material handling ● Construction machinery
● Woodworking machines ● Machine tools
● Glass machines ● Plastic machines ●
Long travel applications in many industries ●
Semiconductors ● Theatre, entertainment and
amusement parks, etc. ● Vehicles ● General
machinery, etc.



Electrically conductive ESD e-chains® -
several series available from stock



46dB(A) - level determined at the igus® test-lab,
 $v = 197$ fpm (1.0m/s) unsupported, e.g. series
2600.05.075.0



UL94-V0 classification
upon request

Universal connection:
many mounting options
with or without strain relief

Easy assembly:
e-chain® links
openable on
left or right

High strength:
large pin/bore and
crossbar with high
locking force

Long service life:
lateral gliding
surfaces

For long
unsupported lengths:
double stop-dog system

Variety of options:
e-chains® openable
along inner or outer
radius from both sides,
e-tubes and half e-tubes
openable along inner
radius from both sides



IPA Qualification Certificate - Report IG 0308-295:

ISO Class 3, according to DIN EN ISO 14644-1 for system E2/000, series 2500.05.055.0 at $v = 394$ fpm (2.0m/s)



IPA Qualification Certificate - Report IG 1303-640-1:

ISO Class 2, according to DIN EN ISO 14644-1 for system E2/000, series 1500.050.038.0 at $v = 98$ fpm (0.5m/s), 197 fpm (1.0m/s), 394 fpm (2.0m/s)

E2/000 | Selection table

Series	Inner height		Inner width		Outer width		Outer height		Bending radius		Unsupported length
	hi		Bi		Ba		ha		R		
	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	≤ ft. (m)



E2/000 e-chains®

crossbars openable along the inner radius, from both sides

1400	.83	(21)	.59-4.92	(15-125)	1.12-5.45	(28.5-138.5)	1.10	(28)	1.38-7.09	(035-180)	5.74 (1.75)
2400 ^a	.98	(25)	.98-4.92	(25-125)	1.61-5.55	(41-141)	1.38	(35)	2.17-9.84	(055-250)	7.38 (2.25)
2600 ^a	1.38	(35)	1.97-6.89	(50-175)	2.60-7.64	(66-194)	1.97	(50)	2.48-9.84	(063-250)	9.02 (2.75)
3400 ^a	1.77	(45)	1.97-9.84	(50-250)	2.76-10.63	(70-270)	2.52	(64)	2.95-11.81	(075-300)	9.84 (3.00)



E2/000 e-chains® - standard for system E2

crossbars openable along the outer radius, from both sides

1500	.83	(21)	.59-4.92	(15-125)	1.12-5.45	(28.5-138.5)	1.10	(28)	1.38-7.09	(035-180)	5.74 (1.75)
2500 ^a	.98	(25)	.98-4.92	(25-125)	1.61-5.55	(41-141)	1.38	(35)	2.17-9.84	(055-250)	7.38 (2.25)
2700 ^a	1.38	(35)	1.97-6.89	(50-175)	2.60-7.64	(66-194)	1.97	(50)	2.48-9.84	(063-250)	9.02 (2.75)
3500 ^a	1.77	(45)	1.97-9.84	(50-250)	2.76-10.63	(70-270)	2.52	(64)	2.95-11.81	(075-300)	9.84 (3.00)
255	.94	(24)	1.50-4.06	(38-103)	2.13-4.69	(54-119)	1.38	(35)	2.17-9.84	(055-250)	5.91 (1.80)



E2/000 half e-tubes

crossbars openable along the inner radius, from both sides. Non-openable lids along the outer radius

1450	.83	(21)	.59-4.92	(15-125)	1.12-5.45	(28.5-138.5)	1.10	(28)	2.95-7.09	(075-180)	5.74 (1.75)
2450	.98	(25)	.98-4.92	(25-125)	1.61-5.55	(41-141)	1.38	(35)	2.95-9.84	(075-250)	7.38 (2.25)
2650	1.38	(35)	1.97-6.89	(50-175)	2.60-7.64	(66-194)	1.97	(50)	3.94-9.84	(100-250)	9.02 (2.75)
3450	1.77	(45)	1.97-9.84	(50-250)	2.76-10.63	(70-270)	2.52	(64)	4.92-11.81	(125-300)	9.84 (3.00)



E2/000 full e-tubes

lids openable along the inner radius, from both sides. Non-openable lids along the outer radius

1480	.83	(21)	.59-4.92	(15-125)	1.12-5.45	(28.5-138.5)	1.10	(28)	2.95-7.09	(075-180)	1.18 (1.75)
2480	.98	(25)	.98-4.92	(25-125)	1.61-5.55	(41-141)	1.38	(35)	2.95-9.84	(075-250)	1.51 (2.25)
2680	1.38	(35)	1.97-6.89	(50-175)	2.60-7.64	(66-194)	1.97	(50)	3.94-9.84	(100-250)	1.85 (2.75)
3480	1.77	(45)	1.97-9.84	(50-250)	2.76-10.63	(70-270)	2.52	(64)	4.92-11.81	(125-300)	2.02 (3.00)

For new designs we recommend E2.1 system series E2.15: 1) E2.26, 2) E2.38, 3) E2.48 ► From page 352



Available from stock. Orders ship as early as today.*

*On average 90% of orders ship the same day..



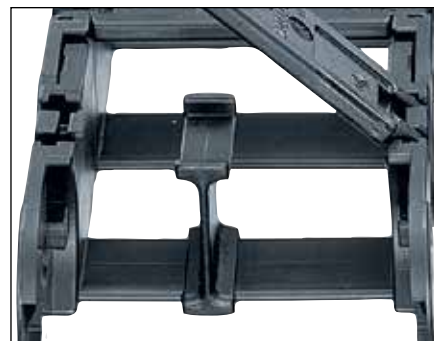
3D CAD, configurators, service life calculation and more ► www.igus.com/e2/000



Openable mechanism, openable along the left or right and to 180°



Lean separators enable extremely fast cable filling in several layers



Separators are secure even when e-chain® is open



Half e-tube - fully enclosed along the outer radius. Openable along the inner radius on left or right



Fast closing by hand - secure without additional locking devices



Mechanical opening from the top - rapid opening with a screwdriver or the e-chain® opener



Open E2/000 in a flash with the e-chain® opener ► www.igus.com/E2opener



Strain relief elements include clamps, tiwrap plates, nuggets, etc. ► **From page 1418**



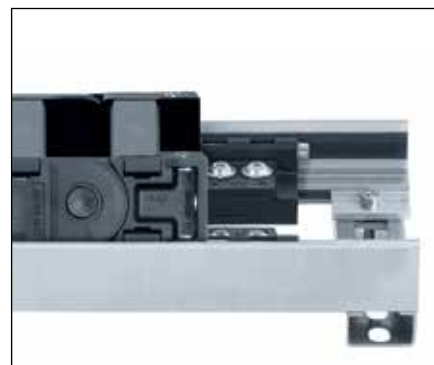
e-chains® with extender crossbars - large increase of the interior space



Aluminium "SuperTrough" - the standard igus® guide trough ► **From page 1336**



rol e-chain® E2/000 - rolling instead of gliding. Reduction in manufacturing costs



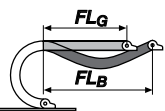
Aluminium and steel support trays for support of the lower run ► **From page 1400**

Technical data



Speed gliding / acceleration gliding

≤ 32.81 ft. (10 m/s) / ≤ 164 ft. (50 m/s²)



Speed FL_G / acceleration FL_G

≤ 65.6 ft/s (20 m/s) / ≤ 656 ft/s² (200 m/s²)

Speed FL_B / acceleration FL_B

≤ 9.84 ft. (3 m/s) / ≤ 19.69 ft/s² (6 m/s²)



Material - permitted temperature °F, igumid G

-40°F (-40°C) / +248°F (+120°C)



Flammability class, igumid G

VDE 0304 IIC UL94-HB

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

1) For openable series along the inner radius in gliding applications, please consult igus®

Installation types, maximum travels

Series	Unsupported	Gliding ¹⁾	Vertical hanging	Vertical standing	Side mounted unsupported	Rotary	Zig-zag	Unsupported length lower run
1400 / 1500 1450 / 1480	≤ 12.79 ft. (3.9m)	≤ 246.07 ft. (75m)	≤ 65.62 ft. (20m)	≤ 6.56 ft. (2.0m)	≤ 2.29 ft. (0.7m)	with rework	upon request	upon request
2400 ¹⁾ / 2500 ¹⁾ 2450 / 2480	≤ 13.94 ft. (4.25m)	≤ 328.10 ft. (100m)	≤ 131.24 ft. (40m)	≤ 9.84 ft. (3.0m)	≤ 3.28 ft. (1.0m)	with rework	upon request	upon request
2600 ²⁾ / 2700 ²⁾ 2650 / 2680	≤ 18.04 ft. (5.5m)	≤ 393.72 ft. (120m)	≤ 164.05 ft. (50m)	≤ 9.84 ft. (3.0m)	≤ 3.28 ft. (1.0m)	with rework	upon request	upon request
3400 ³⁾ / 3500 ³⁾ 3450 / 3480	≤ 19.68 ft. (6.0m)	≤ 492.15 ft. (150m)	≤ 262.48 ft. (80m)	≤ 9.84 ft. (3.0m)	≤ 3.28 ft. (1.0m)	with rework	upon request	upon request
255	≤ 11.81 ft. (3.6m)	≤ 328.10 ft. (100m)	≤ 131.24 ft. (40m)	≤ 9.84 ft. (3.0m)	≤ 3.28 ft. (1.0m)	with rework	upon request	upon request

1) For openable series along the inner radius in gliding applications, please consult igus®

For new designs we recommend E2.1 system series E2.15: 1) E2.26, 2) E2.38, 3) E2.48 ► From page 352

Reduce assembly time | E2/000 e-chain® opener

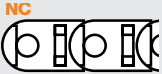
- Reduce opening times from 33 to 2 seconds (tested on 3.28 ft. (1m), 2700.07 series)
- Open a long e-chain® section without stopping

More information and video ► www.igus.com/E2opener

For E2/000 series	For widths <i>Bi</i> in. (mm)	Part No. e-chain® opener
 1400 / 1500	.79" (20), .98" (25), 1.97" (50), 2.68" (68), 3.15" (80), 3.94" (100)	908.254.1400
 2400 / 2500	.20" (05), .28" (07), .35" (09)	908.254.2400
 2600 / 2700	.24" (06), .28" (07), .35" (09), .39" (10)	EO.2600
 3400 / 3500	1.97" (50), 2.95" (75), 3.94" (100), 4.53" (115)	908.254.3400

E2/000 | Options and order keys

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

	Standard	Optional noise dampers	NC version - (No Camber) without pretension	Reverse Bend Radius (RBR) for circular movements
	Part No. Standard 	Part No. Low noise (with pads) 	Part No. NC version 	Part No. RBR 
	2400.03.R.0 e-chain® openable along inner radius*	S2400.03.R.0 e-chain® openable along inner radius*	2400.03.R.0.NC e-chain® openable along inner radius*	2400.03.R1/R2.0 e-chain® openable along inner radius*
	2500.03.R.0 e-chain® openable along outer radius*	—	2500.03.R.0.NC e-chain® openable along outer radius*	2500.03.R1/R2.0 e-chain® openable along outer radius*
	2450.03.R.0 Half e-tube openable along the inner radius*	S2450.03.R.0 Half e-tube openable along the inner radius*	2450.03.R.0.NC Half e-tube openable along the inner radius*	RBR for e-tubes - please consult igus®
	2480.03.R.0 e-tube openable along the inner radius*	S2480.03.R.0 e-tube openable along the inner radius*	2480.03.R.0.NC e-tube openable along the inner radius*	RBR for e-tubes - please consult igus®
	Orders ship as early as today*	Ready to ship in 12 business days*	Ready to ship in 3-5 business days*	Ready to ship in 12 business days*[Ⓢ]
▲ ESD version - some series available from stock - further information and the complete product range ► From page 144 Ⓢ RBR version - some radii available from stock - further information and the complete product range ► From page 132				

Order example | Examples based on series 2500

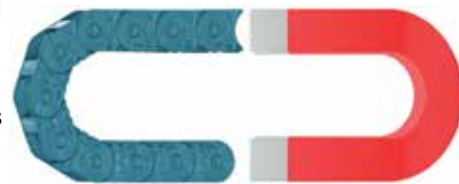
 **Order example for complete e-chain® 3.28 ft. (1m), color black, with mounting brackets and interior separation:**

e-chain® 3.28 ft. (1m)	Please indicate e-chain® length or number of links: 3.28 ft. (1m) or 22 links	2500.03.100.0
+ Mounting brackets	1 set (with tiewrap plates)	2030.34PZB
Interior separation	with 2 separators assembled every 2 nd link	2 x 25.1.1
Order text:	3.28 ft (1m) 2500.03.100.0 + 2030.34PZB + 2 x 25.1.1	

Magnetically detectable plastic e-chains® for the food and tobacco industry

- igumid DT - automatic detection by all common metal detection systems
- Particles as small as 1.0mm can be recognised for fragments passing at speeds of 65.6 ft/min (20m/min)

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



E2/000 | Options and order keys

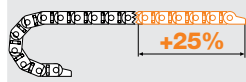
Unsupported
lengths
+25% possible

e-tube - no burning-
in of hot chips
up to 1562°F

ESD - electrically
conductive
material

Magnetically detectable
plastic e-chains®

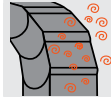
Part No.
XXL material²⁾



2400.03.R.0.XXL

e-chain® openable along inner radius*

Part No.
igumid HT



2480.03.R.0.HT

Complete e-tube

Part No.
igumid ESD³⁾



2400.03.R.0.ESD

e-chain® openable along inner radius*

Part No.
igumid DT



2400.03.R.0.DT

e-chain® openable along inner radius*

2500.03.R.0.XXL

e-chain® openable along the outer radius

2480.03.HT.R.0

only lids*

2500.03.R.0.ESD

e-chain® openable along the outer radius

2500.03.R.0.DT

e-chain® openable along the outer radius

2450.03.R.0.XXL

Half e-tube openable along the inner radius*

—

2450.03.R.0.ESD

Half e-tube openable along the inner radius*

2450.03.R.0.DT

Half e-tube openable along the inner radius*

2480.03.R.0.XXL

e-tube openable along the inner radius*

—

2480.03.R.0.ESD

e-tube openable along the inner radius*

2480.03.R.0.DT

e-tube openable along the inner radius*

Delivery time
upon request*

Ready to ship
in 6 weeks*

Ready to ship
in 12 business days*⚠️

Ready to ship
in 20 business days*

*On average 90% of orders ship the same day.

1) Before using this series in gliding applications, please consult igus® 2) Lower part made from XXL material 3) Lids made of igumid HT material. Side links made of standard material

Order key and color examples | Examples based on series 2400/2500/2450/2480



Order key

e-chains® openable along the outer radius

2500.03.100.0

e-chains® openable along the inner radius

2400.03.100.0

Half e-tube openable along the inner radius

2450.03.100.0

Full e-tube openable along the inner radius

2480.03.100.0

Series / Type

Width index (depends on **Bi**)

Bend radius **R**

Colour index (standard black)



Order index for color options

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

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

Above special colors upon request.



... 1400

... 1500

Standard

e-chains® | Series 1400 | Crossbars openable along the inner radius, from both sides
 e-chains® | Series 1500 | Crossbars openable along the inner radius, from both sides

Part No. e-chains® openable along inner radius	Part No. e-chains® openable along outer radius	<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)	1400 lbs/ft. (kg/m)	1500 lbs/ft. (kg/m)
1400.015.R.0	1500.015.R.0	.59 (15)	1.12 (28.5)	≈ 0.31 (0.46)	≈ 0.31 (0.46)
1400.020.R.0	1500.020.R.0	.79 (20)	1.32 (33.5)	≈ 0.32 (0.47)	≈ 0.32 (0.47)
1400.025.R.0	1500.025.R.0	.98 (25)	1.52 (38.5)	≈ 0.33 (0.49)	≈ 0.33 (0.49)
1400.038.R.0	1500.038.R.0	1.50 (38)	2.03 (51.5)	≈ 0.36 (0.53)	≈ 0.36 (0.53)
1400.050.R.0	1500.050.R.0	1.97 (50)	2.50 (63.5)	≈ 0.38 (0.56)	≈ 0.38 (0.56)
1400.068.R.0	1500.068.R.0	2.68 (68)	3.21 (81.5)	≈ 0.42 (0.63)	≈ 0.42 (0.63)
1400.080.R.0	1500.080.R.0	3.15 (80)	3.68 (93.5)	≈ 0.45 (0.67)	≈ 0.45 (0.67)
1400.100.R.0	1500.100.R.0	3.94 (100)	4.47 (113.5)	≈ 0.50 (0.74)	≈ 0.50 (0.74)
1400.125.R.0	1500.125.R.0	4.92 (125)	5.45 (138.5)	≈ 0.56 (0.83)	≈ 0.56 (0.83)

⚠ ESD version (Electro Static Discharge) available from stock. More information ► From page 144

⊙ RBR version (Reverse Bend Radius), some radii available from stock. More information ► From page 132

Complete Part No. with required radius (R). Example: 1500.038.100.0

Available bend radii

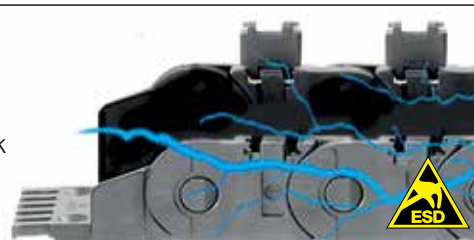
R in. (mm) | 1.38 (035) | 1.50 (038) | 1.89 (048) | 2.95 (075) | 3.94 (100) | 4.92 (125) | 5.71 (145) | 7.09 (180)

ESD - many sizes from stock

- Standardized product made from igumid ESD
- ESD material tested with over 10 million cycles for highest requirements
- Short delivery times including mounting brackets and interior separation; 24hrs, from stock

More information and the complete product range

► From page 144 or at ► www.igus.com/esd

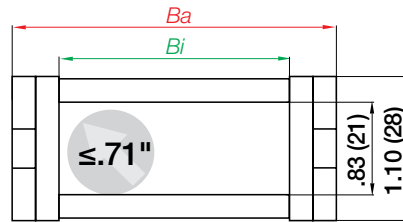
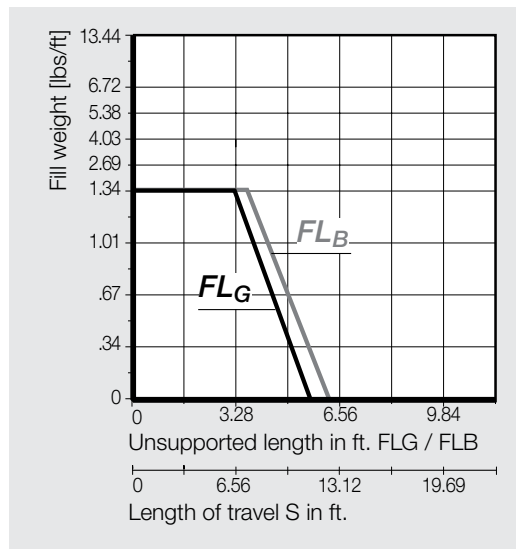


Rotating energy supply systems with Reverse Bend Radius (RBR) - some radii available from stock

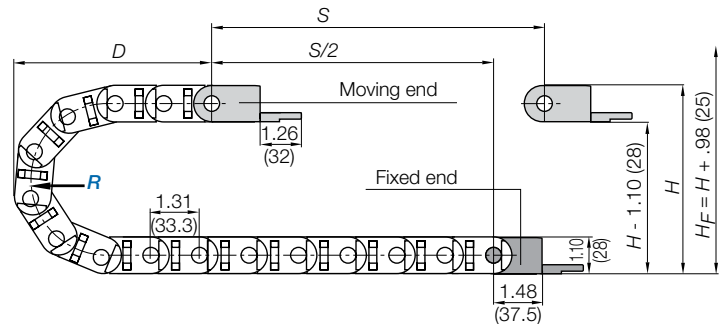
- Maximum rotation angle in minimal installation space
- Minimum displacement forces and maximum service life
- Short delivery times 24hrs, from stock

More information and the complete product range ► From page 132





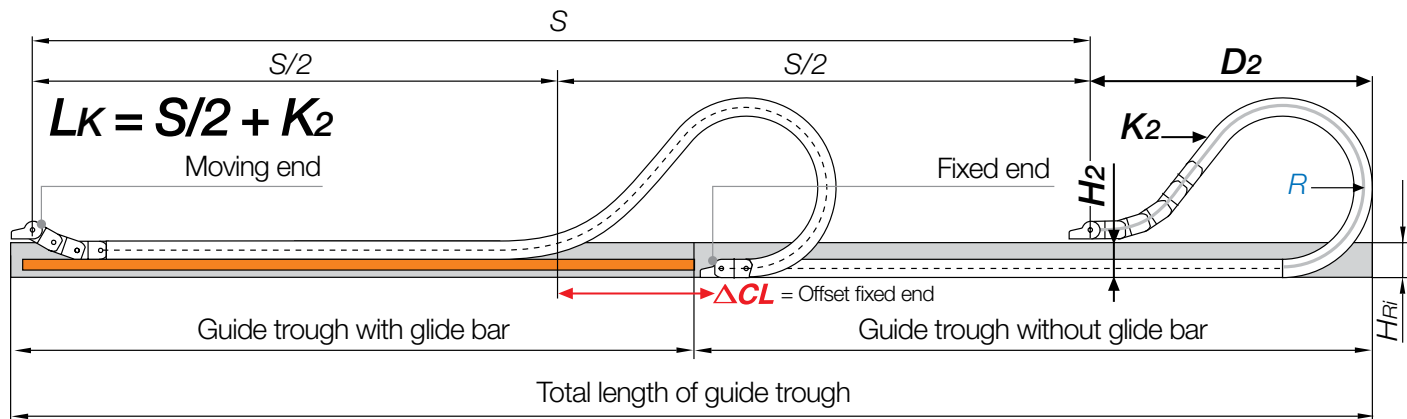
Inner height in. (mm)	.83 (21)
Pitch per link in. (mm)	1.31 (33.3)
Links/ft (m)	9.16 (30)
corresponds to (mm)	1,000
e-chain® length	$L_K = \frac{S}{2} + K$



R	1.38 (035)	1.50 (038)	1.89 (048)	2.95 (075)	3.94 (100)	4.92 (125)	5.71 (145)	7.09 (180)
H	3.86 (98)	4.09 (104)	4.88 (124)	7.01 (178)	8.98 (228)	10.94 (278)	12.52 (318)	15.28 (388)
D	3.90 (99)	4.02 (102)	4.41 (112)	5.47 (139)	6.46 (164)	7.44 (189)	8.23 (209)	9.61 (244)
K	7.09 (180)	7.48 (190)	8.66 (220)	12.01 (305)	15.16 (385)	18.11 (460)	20.67 (525)	25.00 (635)

The required clearance height: $H_r = H + .98$ in. (25 mm) with .34 lbs/ft (.5 kg/m) fill weight.

Gliding applications | For travel lengths from 32.8 ft. (10m) to max. 246 ft. (75m)

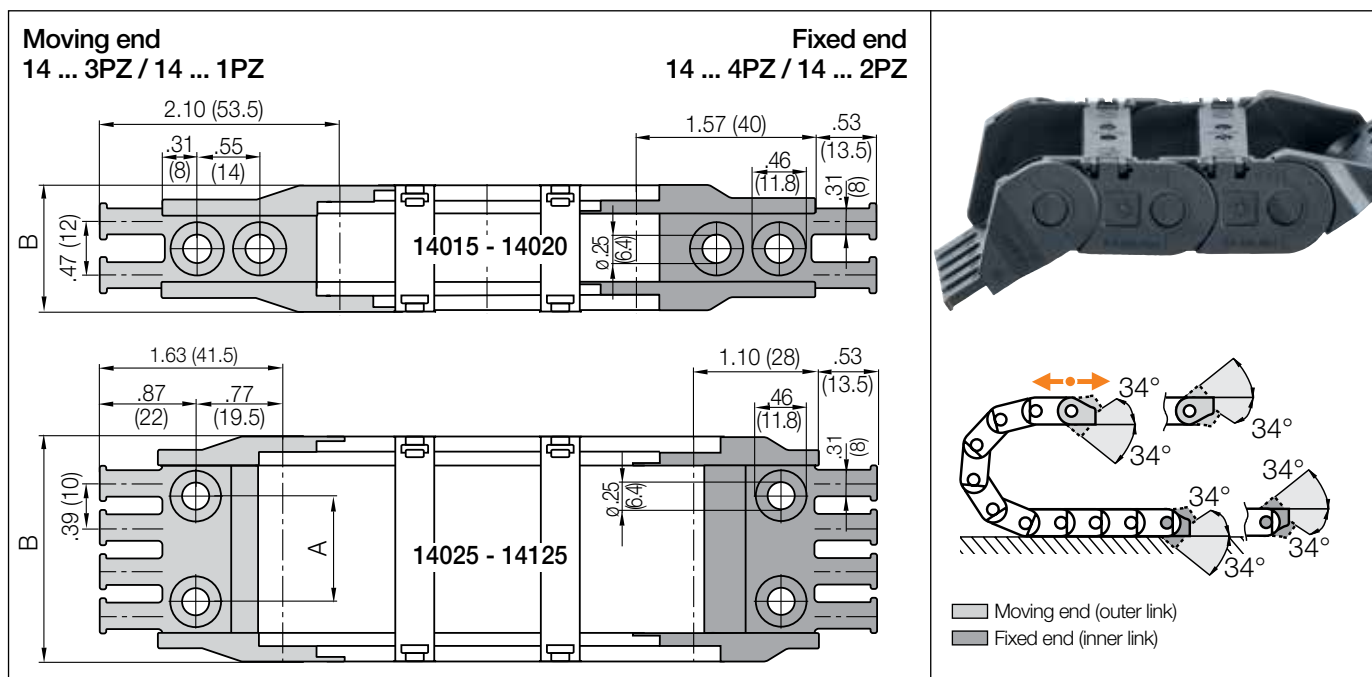


Note: Before using series 1400/1450/1480 on long travels please consult igus®.

For long travels, igus® recommends series 1500 openable along the outer radius.

In case of travels between 13.12 ft. (4m) and 32.81ft. (10m) we recommend an e-chain® with a longer unsupported length.

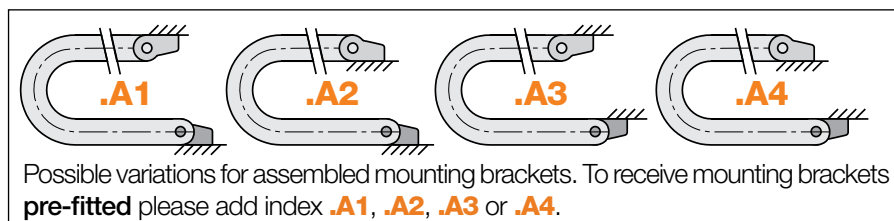
R	1.38 (035)	1.50 (038)	1.89 (048)	2.95 (075)	3.94 (100)	4.92 (125)	5.71 (145)	7.09 (180)
H ₂	2.76 (70)	2.99 (76)	3.78 (96)	5.91 (150)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)
D ₂	3.90 (99)	4.02 (102)	4.41 (112)	5.47 (139)	13.39 (340)	19.49 (495)	21.26 (540)	27.17 (690)
K ₂	7.09 (180)	7.48 (190)	8.66 (220)	12.01 (305)	23.62 (600)	31.50 (800)	37.01 (940)	46.06 (1170)
ΔCL	—	—	—	—	7.05 (179)	12.01 (305)	13.39 (340)	17.52 (445)



Polymer pivoting
Polymer locking

Recommended for unsupported and gliding applications
Recommended for vertical hanging and standing applications

Width	Part No. full set pivoting		Part No. full set locking		A	B	Number
index	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates	in. (mm)	in. (mm)	of teeth
015. ▶	14015.34PZ	—	14015.12PZ	—	—	1.12 (28.5)	2
020. ▶	14020.34PZ	—	14020.12PZ	—	—	1.32 (33.5)	2
025. ▶	14025.34PZ	—	14025.12PZ	—	.51 (13)	1.52 (38.5)	2
038. ▶	14038.34PZ	—	14038.12PZ	—	.94 (24)	2.03 (51.5)	4
050. ▶	14050.34PZ	—	14050.12PZ	—	1.42 (36)	2.50 (63.5)	5
068. ▶	14068.34PZ	—	14068.12PZ	—	2.13 (54)	3.21 (81.5)	7
080. ▶	14080.34PZ	—	14080.12PZ	—	2.60 (66)	3.68 (93.5)	8
100. ▶	14100.34PZ	—	14100.12PZ	—	3.39 (86)	4.47 (113.5)	10
125. ▶	14125.34PZ	—	14125.12PZ	—	4.37 (111)	5.45 (138.5)	13



14038.34PZ.A1

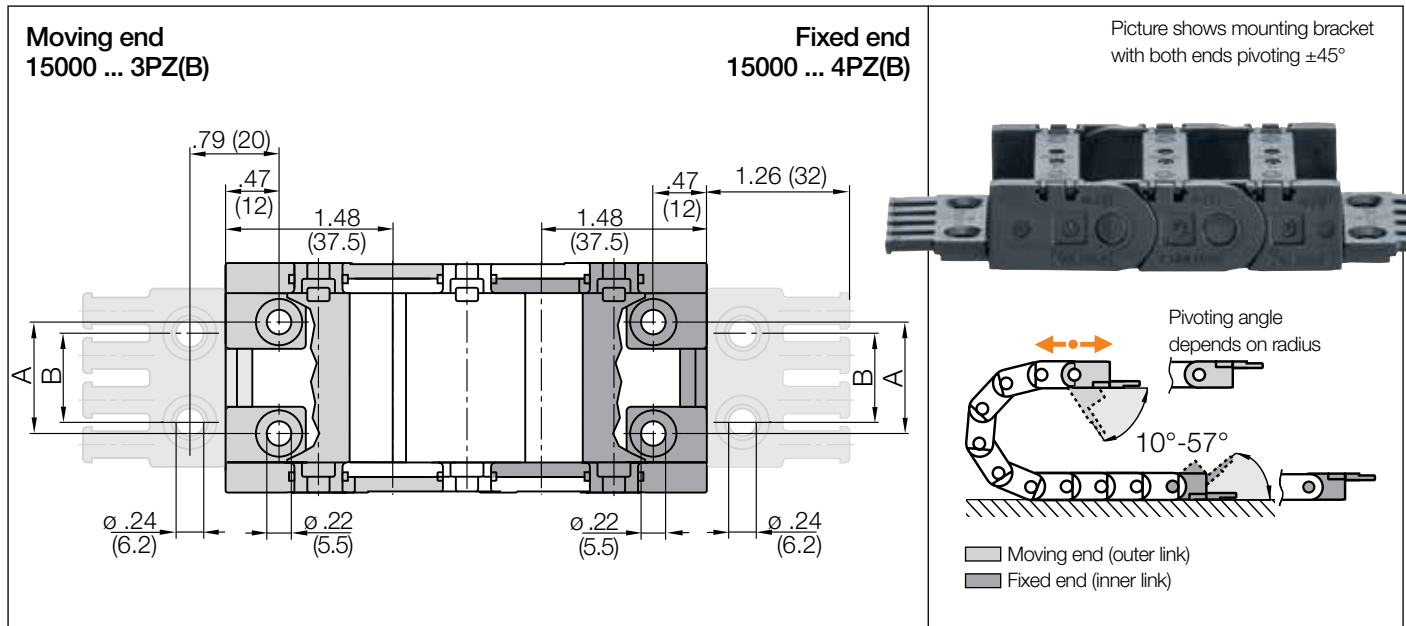
Order example

A... to indicate option with brackets pre-fitted
With integrated strain relief tiwrap plates
Full set
Series



Strain relief: clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ► From page 1418

Mounting brackets, polymer | Pivoting



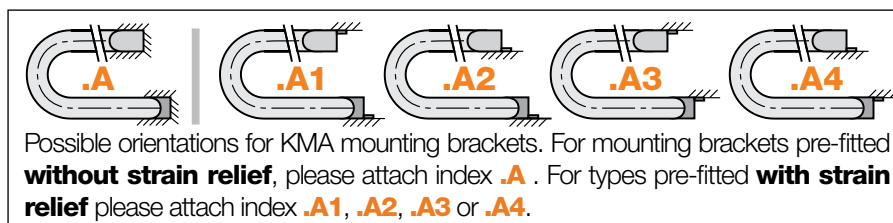
Polymer pivoting | Recommended for unsupported and gliding applications

For tight installation spaces

Width index	Part No. full set pivoting		Part No. full set locking		A in. (mm)	B in. (mm)	Number of teeth
	with tiwrap plates	without tiwrap plates	with tiwrap plates	without tiwrap plates			
015. ▶	–	–	–	–	–	–	–
020. ▶	–	–	–	–	–	–	–
025. ▶	15000.025.34PZB	15000.025.34PZ	–	–	.47 (12)	.59 (15)	3
038. ▶	15000.038.34PZB	15000.038.34PZ	–	–	.98 (25)	.79 (20)	4
050. ▶	15000.050.34PZB	15000.050.34PZ	–	–	1.46 (37)	1.18 (30)	5
068. ▶	15000.068.34PZB	15000.068.34PZ	–	–	2.17 (55)	1.57 (40)	6
080. ▶	15000.080.34PZB	15000.080.34PZ	–	–	2.64 (67)	2.36 (60)	8
100. ▶	15000.100.34PZB	15000.100.34PZ	–	–	3.43 (87)	3.15 (80)	10
125. ▶	15000.125.34PZB*	15000.125.34PZ*	–	–	4.41 (112)	3.94 (100)	12

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

Note: Mounting brackets not to assemble at the gable end.



15000.038.34PZB.A1 Order example



Option: steel mounting bracket, locking. For e-chains® and e-tubes, Part No. 14000.12

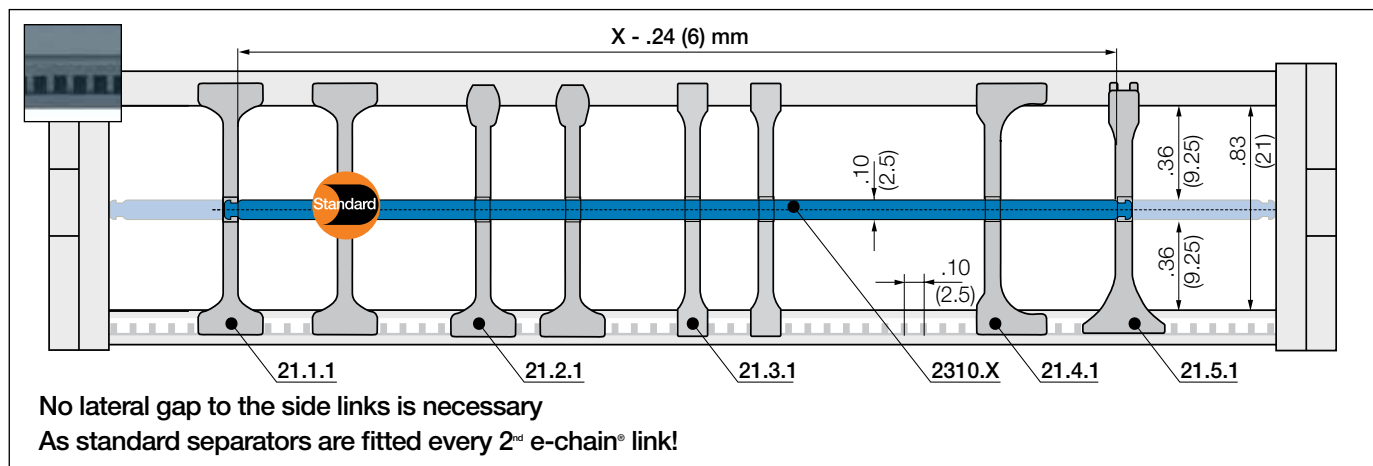
● Locking connections ● One part (2-piece) for all e-chain® widths ● Electrically conductive

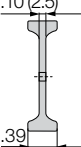
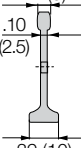
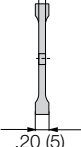
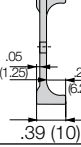
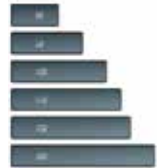
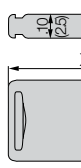


Strain relief: clamps, tiwrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1418



3D CAD, configurators, service life calculation and more ▶ www.igus.com/e2/000



Standard			Separator, narrow top	unassembled	21.1
				assembled	21.1.1
			Notch separator for notched crossbar	unassembled	21.2
				assembled	21.2.1
			Notch separator for notched crossbar	unassembled	21.3
				assembled	21.3.1
			Notch separator for notched crossbar	unassembled	21.4
				assembled	21.4.1
			Shelf, lockable	unassembled	2300.X
				assembled	2310.X

Standard - for any application

Separator with a wide base for maximum holding force.

For even faster installation

Wide on one side for high holding force, narrow on opposite side for easy cable fitting.

For a large number of thin cables

Separator with a narrow base for a large number of thin cables side by side. Saves space.

Locks securely in preset increments

Notch separator for exact positioning. Recommended for side-mounted applications.

Horizontal separation

Full-width shelf locks securely into separators at both ends, giving a fixed width. Can be used as full-width or partial shelf.

Shelves

Width = X in. (mm)



X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled
.59 (015)	2300.015	2310.015	2.36 (060)	2300.060	2310.060	3.43 (087)	2300.087	2310.087
.98 (025)	2300.025	2310.025	2.44 (062)	2300.062	2310.062	3.54 (090)	2300.090	2310.090
1.18 (030)	2300.030	2310.030	2.56 (065)	2300.065	2310.065	3.94 (100)	2300.100	2310.100
1.50 (038)	2300.038	2310.038	2.76 (070)	2300.070	2310.070	4.06 (103)	2300.103	2310.103
1.57 (040)	2300.040	2310.040	2.95 (075)	2300.075	2310.075	4.33 (110)	2300.110	2310.110
1.97 (050)	2300.050	2310.050	3.03 (077)	2300.077	2310.077	4.72 (120)	2300.120	2310.120
2.24 (057)	2300.057	2310.057	3.15 (080)	2300.080	2310.080	4.92 (125)	2300.125	2310.125

Separator with integrated strain relief teeth

- Can be integrated into the mounting bracket or placed at any point
- Combines strain relief and interior separation, for restricted space conditions
- Strain relief separator is easy to assemble without any screws

Part No. 21.1.Z - more information ► From page 1456



Aluminum support tray

- Corrosion-resistant and seawater-resistant aluminum rails with adjustable width
- Noise-reducing glide strip integrated as standard
- Easy installation and connection of the e-chain®
- Open design - dirt and debris fall through

More information ► From page 1400



E2/000 series 1400 in aircraft refueling truck - telescopic crane with six sections



Half e-tubes | **Series 1450** | Crossbars openable along inner radius from both sides, closed along outer radius
Full e-tubes | **Series 1480** | Lids openable along inner radius from both sides, fully enclosed

Part No. half e-tubes openable along the inner radius	Part No. full e-tubes openable along the inner radius	<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)	1450 lbs/ft. (kg/m)	1480 lbs/ft. (kg/m)
1450.015. <i>R</i> .0*	1480.015. <i>R</i> .0*	.59 (15)	1.12 (28.5)	≈ 0.32 (0.48)	≈ 0.34 (0.50)
1450.025. <i>R</i> .0	1480.025. <i>R</i> .0	.98 (25)	1.52 (38.5)	≈ 0.36 (0.54)	≈ 0.38 (0.57)
1450.038. <i>R</i> .0	1480.038. <i>R</i> .0	1.50 (38)	2.03 (51.5)	≈ 0.40 (0.59)	≈ 0.41 (0.61)
1450.050. <i>R</i> .0	1480.050. <i>R</i> .0	1.97 (50)	2.50 (63.5)	≈ 0.44 (0.65)	≈ 0.45 (0.67)
1450.068. <i>R</i> .0	1480.068. <i>R</i> .0	2.68 (68)	3.21 (81.5)	≈ 0.50 (0.74)	≈ 0.52 (0.77)
1450.080. <i>R</i> .0	1480.080. <i>R</i> .0	3.15 (80)	3.68 (93.5)	≈ 0.54 (0.80)	≈ 0.56 (0.84)
1450.100. <i>R</i> .0	1480.100. <i>R</i> .0	3.94 (100)	4.47 (113.5)	≈ 0.60 (0.90)	≈ 0.65 (0.96)
1450.125. <i>R</i> .0	1480.125. <i>R</i> .0	4.92 (125)	5.45 (138.5)	≈ 0.69 (1.03)	≈ 0.73 (1.08)

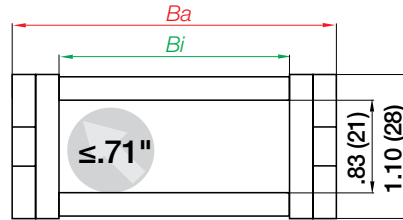
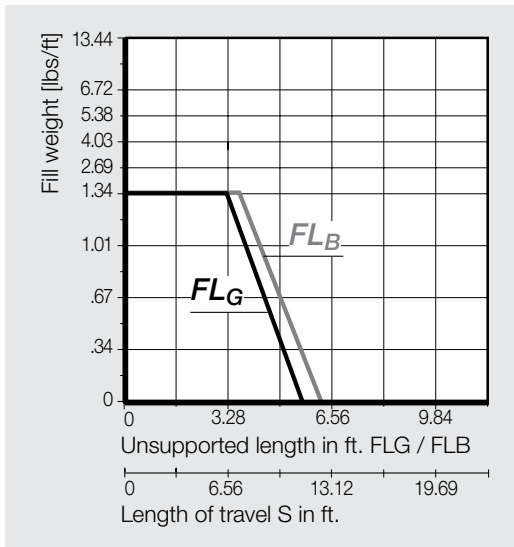
Complete Part No. with required radius (*R*). Example: 1450.038.100.0

Available bend radii

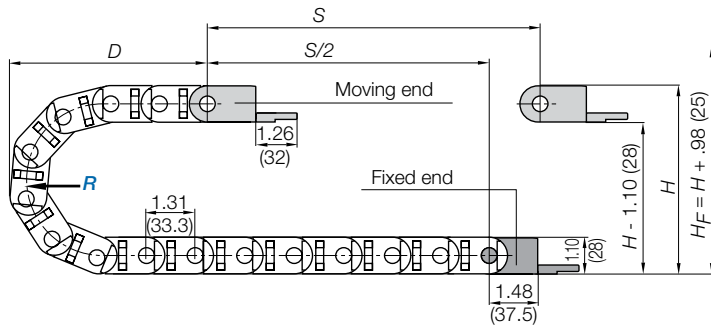
R in. (mm) | 2.95 (075) | 3.94 (100) | 4.92 (125) | 5.71 (145) | 7.09 (180)

*Radius available upon request. Delivery time upon request.

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



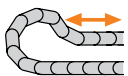
Inner height in. (mm)	.83 (21)
Pitch per link in. (mm)	1.31 (33.3)
Links/ft (m)	9.16 (30)
corresponds to (mm)	1,000
e-chain* length	$L_K = \frac{S}{2} + K$



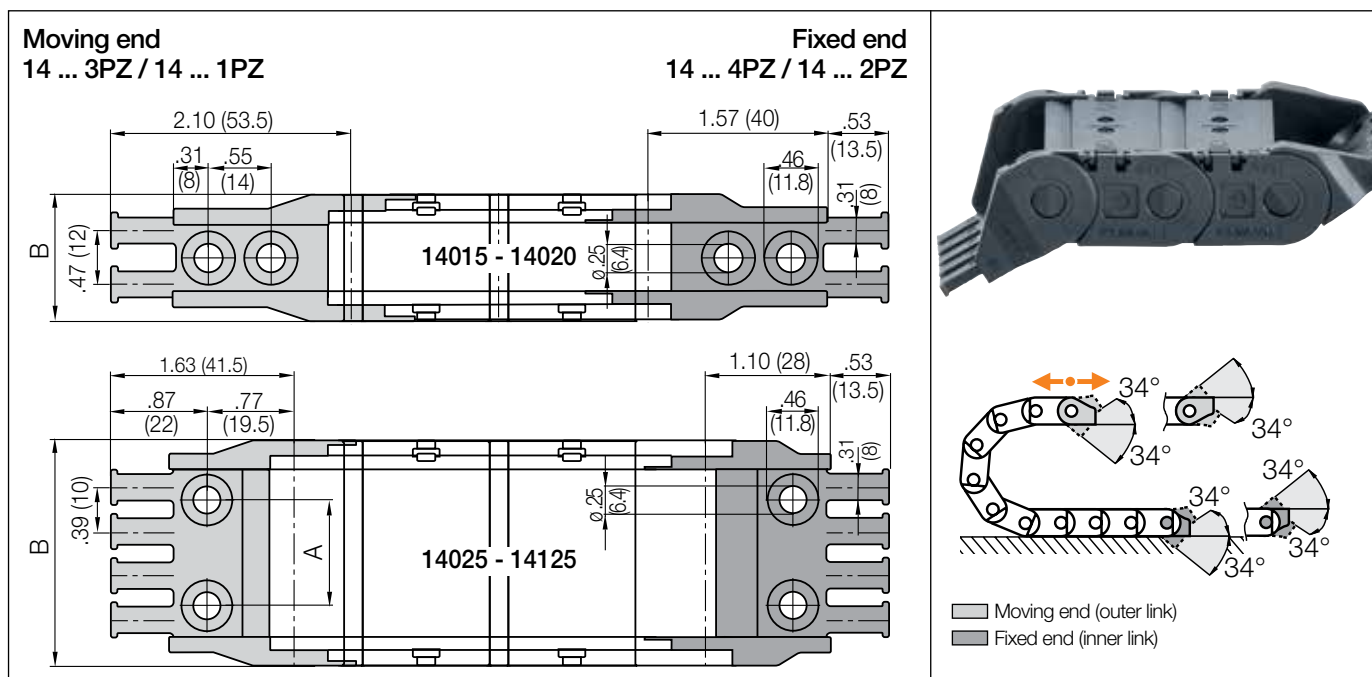
R	2.95 (075)	3.94 (100)	4.92 (125)	5.71 (145)	7.09 (180)
H	7.01 (178)	8.98 (228)	10.94 (278)	12.52 (318)	15.28 (388)
D	5.47 (139)	6.46 (164)	7.44 (189)	8.23 (209)	9.61 (244)
K	12.01 (305)	15.16 (385)	18.11 (460)	20.67 (525)	25.00 (635)

The required clearance height: $H_F = H + .98 \text{ in. (25 mm)}$ with .34 lbs/ft (.5 kg/m) fill weight.

*Radius available upon request. Delivery time upon request. Before using 1450/1480 series on long travels please consult igus®.



If a gliding application is required for a long travel, please consult igus®.

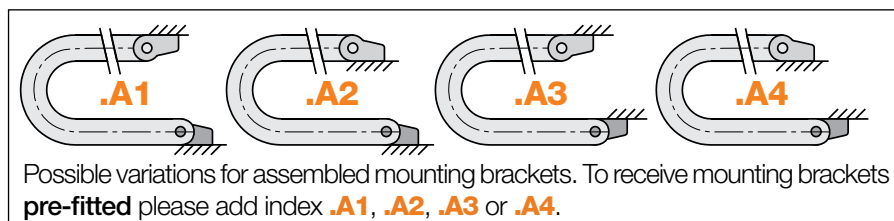


Polymer pivoting
Polymer locking

Recommended for unsupported applications

Recommended for vertical hanging and standing applications

Width	Part No. full set pivoting		Part No. full set locking		A	B	Number
index	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates	in. (mm)	in. (mm)	of teeth
015. ▶	14015.34PZ	—	14015.12PZ	—	—	1.12 (28.5)	2
020. ▶	14020.34PZ	—	14020.12PZ	—	—	1.32 (33.5)	2
025. ▶	14025.34PZ	—	14025.12PZ	—	.51 (13)	1.52 (38.5)	2
038. ▶	14038.34PZ	—	14038.12PZ	—	.94 (24)	2.03 (51.5)	4
050. ▶	14050.34PZ	—	14050.12PZ	—	1.42 (36)	2.50 (63.5)	5
068. ▶	14068.34PZ	—	14068.12PZ	—	2.13 (54)	3.21 (81.5)	7
080. ▶	14080.34PZ	—	14080.12PZ	—	2.60 (66)	3.68 (93.5)	8
100. ▶	14100.34PZ	—	14100.12PZ	—	3.39 (86)	4.47 (113.5)	10
125. ▶	14125.34PZ	—	14125.12PZ	—	4.37 (111)	5.45 (138.5)	13



14038.34PZ,A1

Order example

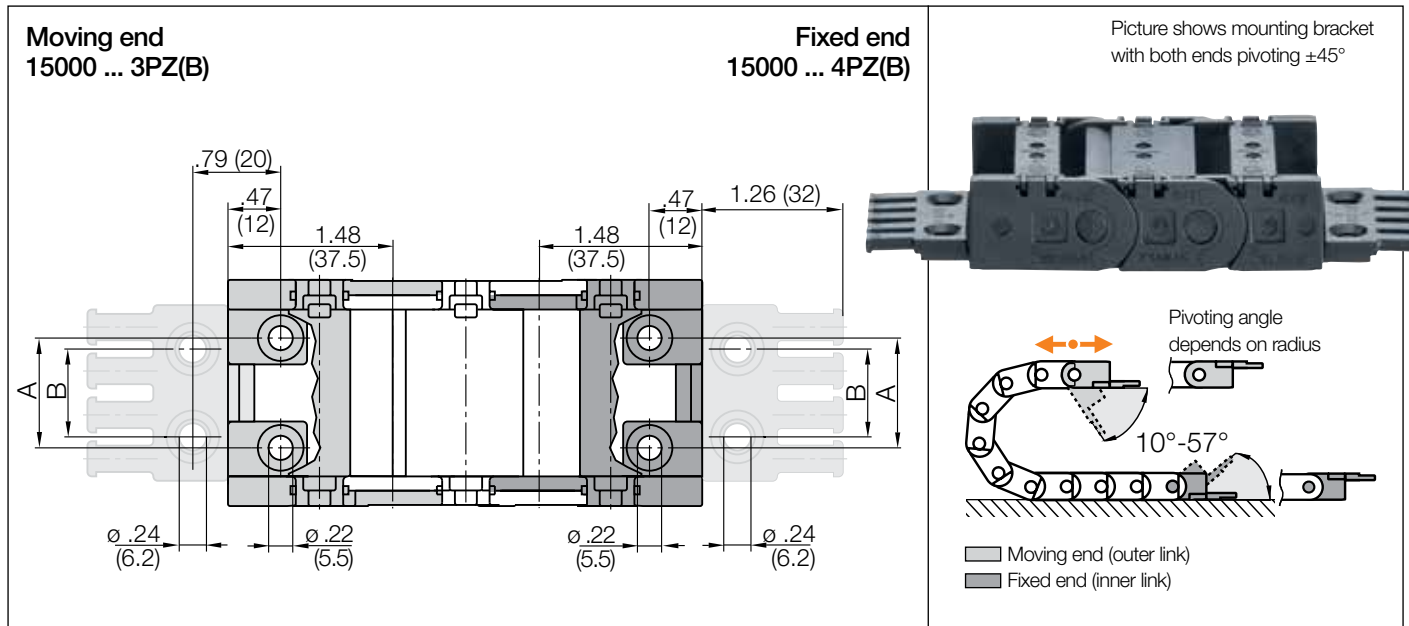


A... to indicate option with brackets pre-fitted
With integrated strain relief tiwrap plates
Full set
Series



Strain relief: clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ► From page 1418

Mounting brackets, polymer | Pivoting



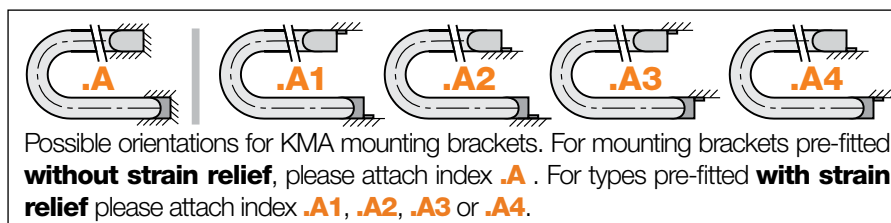
Polymer pivoting | Recommended for unsupported and gliding applications

For tight installation spaces

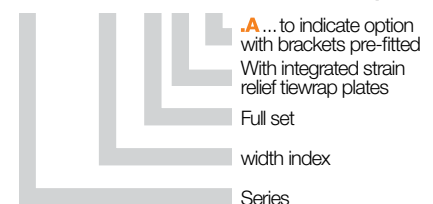
Width index	Part No. full set pivoting		Part No. full set locking		A	B	Number of teeth
	with tiwrap plates	without tiwrap plates	with tiwrap plates	without tiwrap plates	in. (mm)	in. (mm)	
015. ▶	–	–	–	–	–	–	–
025. ▶	15000.025.34PZB	15000.025.34PZ	–	–	.47 (12)	.59 (15)	3
038. ▶	15000.038.34PZB	15000.038.34PZ	–	–	.98 (25)	.79 (20)	4
050. ▶	15000.050.34PZB	15000.050.34PZ	–	–	1.46 (37)	1.18 (30)	5
068. ▶	15000.068.34PZB	15000.068.34PZ	–	–	2.17 (55)	1.57 (40)	6
080. ▶	15000.080.34PZB	15000.080.34PZ	–	–	2.64 (67)	2.36 (60)	8
100. ▶	15000.100.34PZB	15000.100.34PZ	–	–	3.43 (87)	3.15 (80)	10
125. ▶	15000.125.34PZB*	15000.125.34PZ*	–	–	4.41 (112)	3.94 (100)	12

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

Note: Mounting brackets not to assemble at the gable end.



15000.038.34PZB.A1 Order example



Option: steel mounting bracket, locking. For e-chains® and e-tubes, Part No. 14000.12

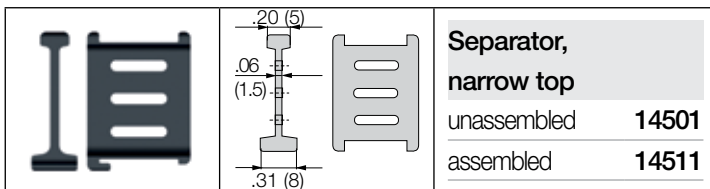
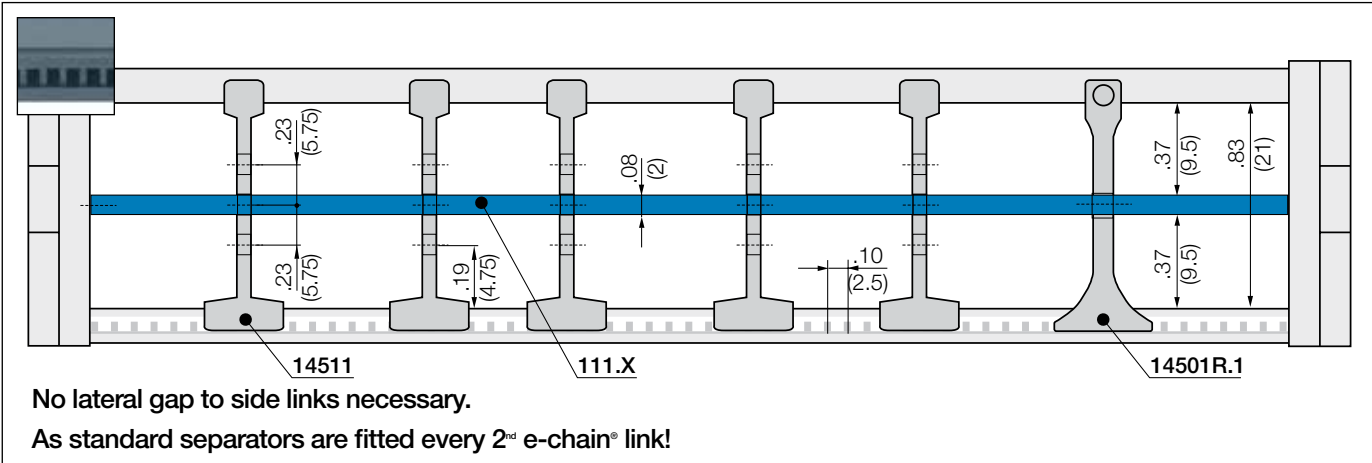
● Locking connections ● One part (2-piece) for all e-chain® widths ● Electrically conductive



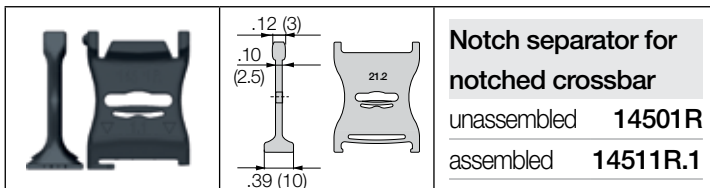
Strain relief: clamps, tiwrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1418



3D CAD, configurators, service life calculation and more ▶ www.igus.com/e2/000

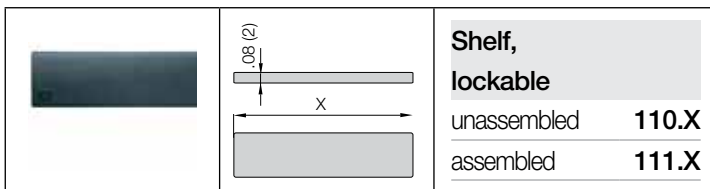
**Slotted separator**

Vertical subdivision in e-chains®. The slot allows basic vertical/horizontal shelving arrangements.

**Locks securely in preset increments**

Notch separator for exact positioning. Recommended for side-mounted applications.

Note: For this series notches only on fixed crossbars, not on openable crossbars/lids

**Full-width shelf**

This option is for applications with many small cables with similar diameters. For full-width separation.

Full-width shelves

Width = X in. (mm)

X in. (mm)	unassembled	assembled
.59 (015)	110.15	111.15
.79 (020)	110.20	111.20
.98 (025)	110.25	111.25

X in. (mm)	unassembled	assembled
1.50 (038)	110.38	111.38
1.97 (050)	110.50	111.50
2.68 (068)	110.68	111.68

X in. (mm)	unassembled	assembled
3.15 (080)	110.80	111.80
3.94 (100)	110.100	111.100
4.92 (125)	110.125	111.125

Aluminum support tray

- Corrosion-resistant and seawater-resistant aluminum rails with adjustable width
- Noise-reducing glide strip integrated as standard
- Easy installation and connection of the e-chain®
- Open design - dirt and debris fall through

More information ► From page 1400



Delivery of an igus® readychain® - here system E2/000 complete with chainflex® cables pre-fitted



► Page 385

... 2400

... 2500

Standard

e-chains® | Series 2400 | Crossbars openable along the inner radius, from both sides
 e-chains® | Series 2500 | Crossbars openable along the inner radius, from both sides

Part No. e-chains® openable along inner radius	Part No. e-chains® openable along outer radius	<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)	2400 lbs/ft. (kg/m)	2500 lbs/ft. (kg/m)
2400.02. <i>R</i> .0	2500.02. <i>R</i> .0	.98 (25)	1.61 (41)	≈ 0.52 (0.77)	≈ 0.52 (0.77)
2400.03. <i>R</i> .0	2500.03. <i>R</i> .0	1.50 (38)	2.13 (54)	≈ 0.56 (0.83)	≈ 0.56 (0.83)
2400.05. <i>R</i> .0	2500.05. <i>R</i> .0	2.24 (57)	2.87 (73)	≈ 0.61 (0.91)	≈ 0.61 (0.91)
2400.07. <i>R</i> .0	2500.07. <i>R</i> .0	3.03 (77)	3.66 (93)	≈ 0.68 (1.01)	≈ 0.68 (1.01)
2400.09. <i>R</i> .0	2500.09. <i>R</i> .0	3.50 (89)	4.13 (105)	≈ 0.73 (1.08)	≈ 0.73 (1.08)
2400.10. <i>R</i> .0	2500.10. <i>R</i> .0	4.06 (103)	4.69 (119)	≈ 0.77 (1.15)	≈ 0.77 (1.15)
2400.12. <i>R</i> .0	2500.12. <i>R</i> .0	4.92 (125)	5.55 (141)	≈ 0.82 (1.22)	≈ 0.82 (1.22)

⚠ ESD version (Electro Static Discharge) available from stock. More information ► From page 144

⊙ *RBR* version (Reverse Bend Radius), some radii available from stock. More information ► From page 132

Half e-tubes, series 2450 and full e-tube series 2480 ► From page 406

Complete Part No. with required radius (*R*). Example: 2500.03.100.0

Available bend radii

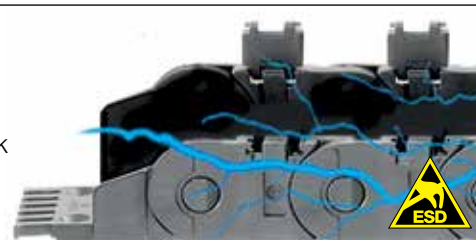
R (mm) | 2.17 (055) | 2.95 (075) | 3.94 (100) | 4.92 (125) | 5.91 (150) | 6.89 (175) | 7.87 (200) | 8.86 (225) | 9.84 (250) |

ESD - many sizes from stock

- Standardized product made from igumid ESD
- ESD material tested with over 10 million cycles for highest requirements
- Short delivery times including mounting brackets and interior separation; 24hrs, from stock

More information and the complete product range

► From page 144 or at ► www.igus.com/esd

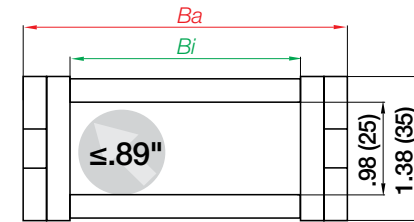
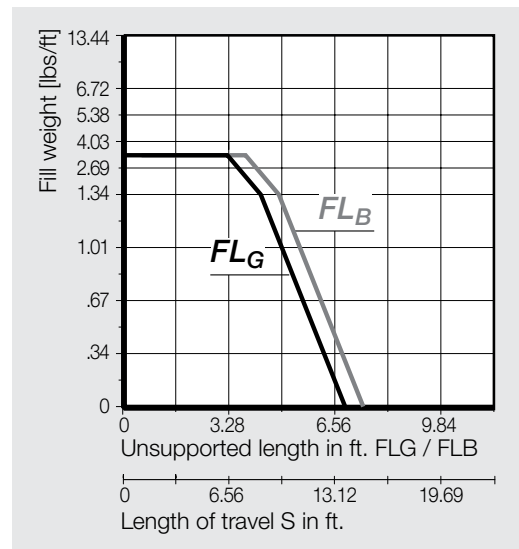


Rotating energy supply systems with Reverse Bend Radius (*RBR*) - some radii available from stock

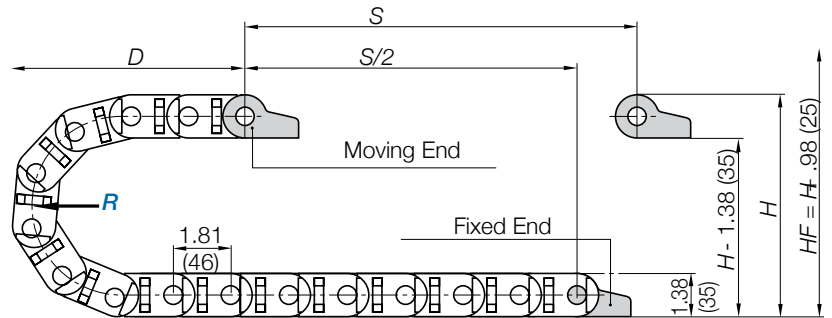
- Maximum rotation angle in minimal installation space
- Minimum displacement forces and maximum service life
- Short delivery times 24hrs, from stock

More information and the complete product range ► From page 132





Inner height in. (mm)	.98 (25)
Pitch per link in. (mm)	1.81 (46)
Links/ft (m)	6.63 (22)
corresponds to (mm)	1,012
e-chain® length	$L_K = \frac{S}{2} + K$



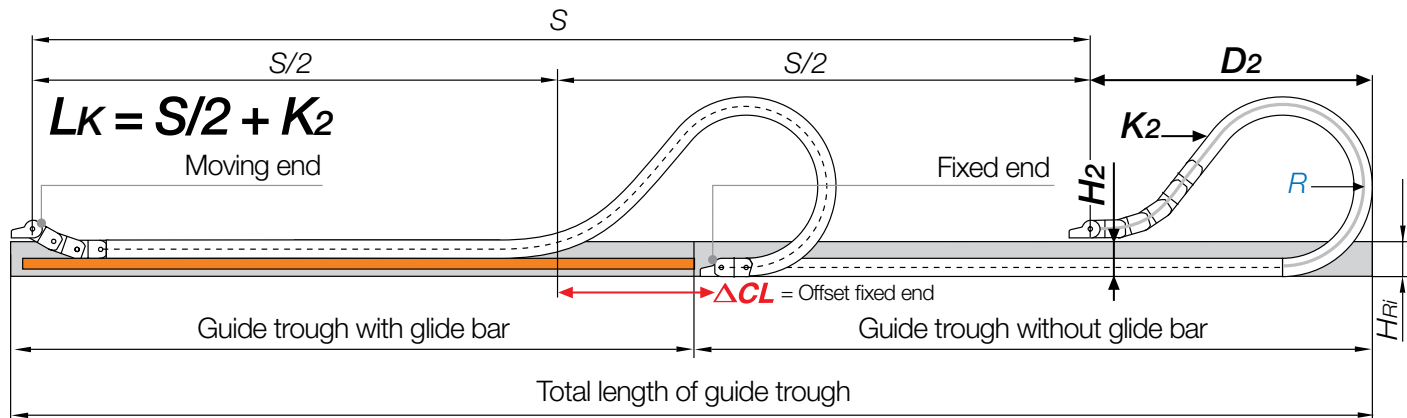
R	2.16 (055**)	2.95 (075)	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	8.86 (225)	9.84 (250)
H	5.71 (145)	7.28 (185)	9.25 (235)	11.22 (285)	13.19 (335)	15.16 (385)	17.13 (435)	19.09 (485)	21.06 (535)
D	5.59 (142)	6.38 (162)	7.36 (187)	8.35 (212)	9.33 (237)	10.31 (262)	11.30 (287)	12.28 (312)	13.27 (337)
K	10.43 (265)	12.99 (330)	16.14 (410)	19.09 (485)	22.24 (565)	25.39 (645)	28.54 (725)	31.50 (800)	34.65 (880)

**Upon request

The required clearance height: $H_f = H + .98$ in. (25 mm) with 1.01 lbs/ft (1.5 kg/m) fill weight.

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

Gliding applications | For travel lengths from 32.8 ft. (10m) to max. 328 ft. (100m)



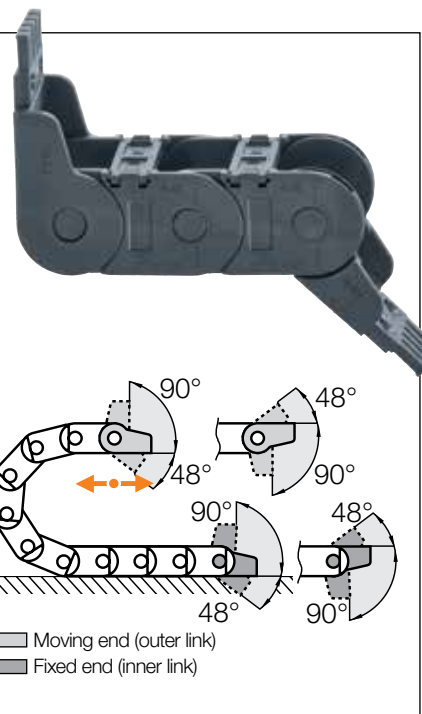
Note: Before using series 2400/2450/2480 on long travels please consult igus®.

For long travels, igus® recommends series 2500 openable along the outer radius.

In case of travels between 13.12 ft. (4m) and 32.81ft. (10m) we recommend an e-chain® with a longer unsupported length.

R	2.16 (055)	2.95 (075)	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	8.86 (225)	9.84 (250)
H ₂	4.33 (110)	5.91 (150)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)
D ₂	5.59 (142)	6.38 (162)	14.96 (380)	17.32 (440)	23.23 (590)	29.72 (755)	37.40 (950)	40.94 (1040)	44.49 (1130)
K ₂	10.43 (265)	12.99 (330)	25.35 (644)	28.98 (736)	39.84 (1012)	48.90 (1242)	57.95 (1472)	63.39 (1610)	70.63 (1794)
ΔCL	—	—	8.03 (204)	9.61 (244)	14.33 (364)	19.84 (504)	26.54 (674)	29.69 (754)	31.65 (804)

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

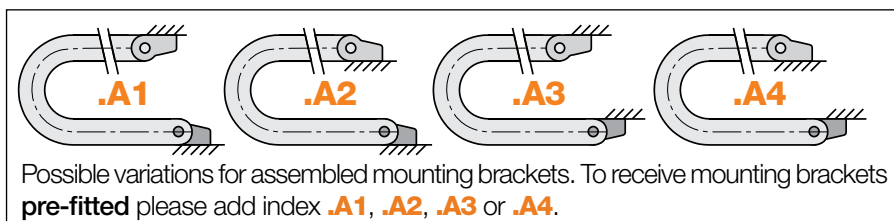


Polymer pivoting
Polymer locking

Recommended for unsupported and gliding applications
Recommended for vertical hanging and standing applications

Width	Part No. full set pivoting		Part No. full set locking		A	Number
index	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates	in. (mm)	of teeth
02. ▶	2020.34PZB	2020.34PZ	2020.12PZB	2020.12PZ	.47 (12)	3
03. ▶	2030.34PZB	2030.34PZ	2030.12PZB	2030.12PZ	.98 (25)	4
05. ▶	2050.34PZB	2050.34PZ	2050.12PZB	2050.12PZ	1.73 (44)	6
07. ▶	2070.34PZB	2070.34PZ	2070.12PZB	2070.12PZ	2.52 (64)	8
09. ▶	2090.34PZB	2090.34PZ	2090.12PZB	2090.12PZ	3.03 (77)	9
10. ▶	2100.34PZB	2100.34PZ	2100.12PZB	2100.12PZ	3.54 (90)	10
12. ▶	2125.34PZB	2125.34PZ	2125.12PZB	2125.12PZ	4.41 (112)	12

Full set with tiewrap plate + 10 cable tiewraps, please add index **K1**. Example: **2020.34PZBK1**



2020.34PZB.A1 Order example



A...to indicate option with brackets pre-fitted
With integrated strain relief tiwrap plates

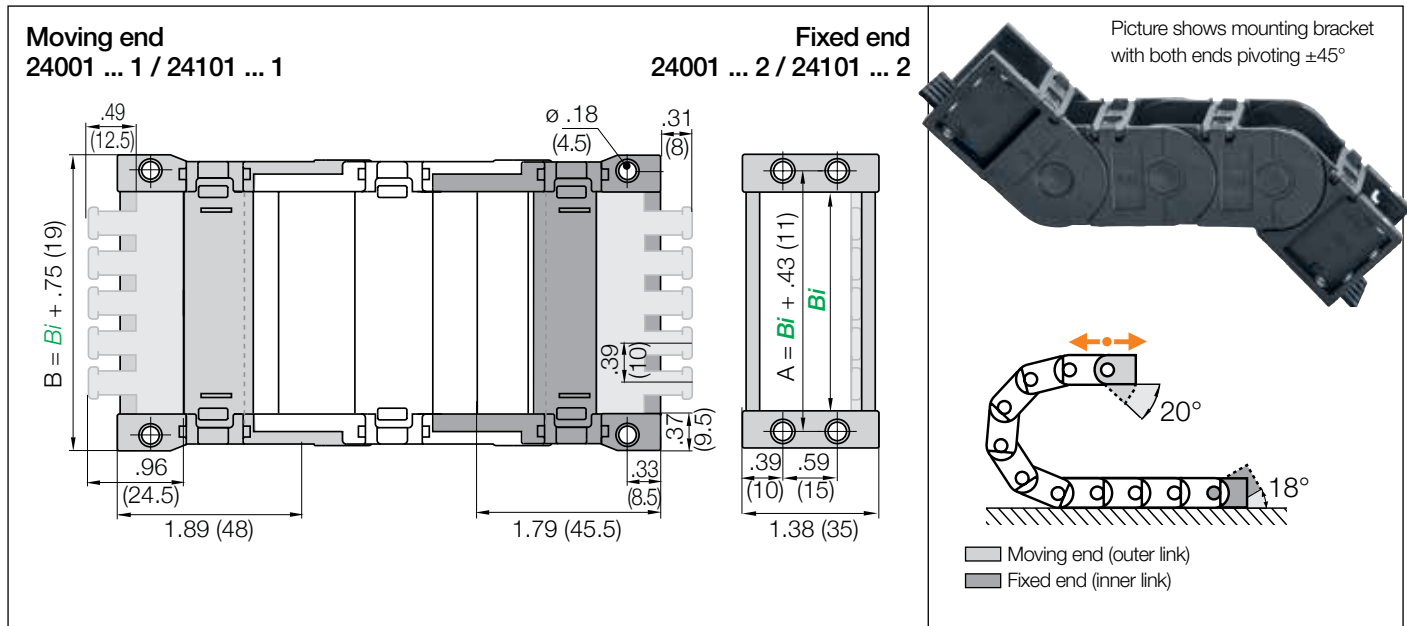
- Full set

Series



Strain relief: clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ► From page 1418

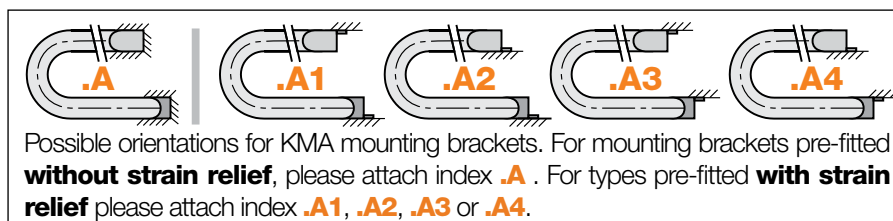
KMA mounting brackets | Attachment from any side | Pivoting | Locking



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

Width index	Part No. full set KMA pivoting		Part No. full set KMA locking		A	B	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates	in. (mm)	in. (mm)	
02. ▶	24001.02.12ZB	24001.02.12	24101.02.12ZB	24101.02.12	1.42 (36)	1.73 (44)	2
03. ▶	24001.03.12ZB	24001.03.12	24101.03.12ZB	24101.03.12	1.93 (49)	2.24 (57)	4
05. ▶	24001.05.12ZB	24001.05.12	24101.05.12ZB	24101.05.12	2.68 (68)	2.99 (76)	6
07. ▶	24001.07.12ZB	24001.07.12	24101.07.12ZB	24101.07.12	3.46 (88)	3.39 (86)	7
09. ▶	24001.09.12ZB	24001.09.12	24101.09.12ZB	24101.09.12	3.94 (100)	4.25 (108)	9
10. ▶	24001.10.12ZB	24001.10.12	24101.10.12ZB	24101.10.12	4.49 (114)	4.80 (122)	10
12. ▶	24001.12.12ZB	24001.12.12	24101.12.12ZB	24101.12.12	5.35 (136)	5.67 (144)	12

(KMA = polymer metal mounting bracket)



24001.02.12ZB.A2 Order example



Option: steel mounting bracket, locking. For e-chains® and e-tubes, Part No. ST.E2.26.56

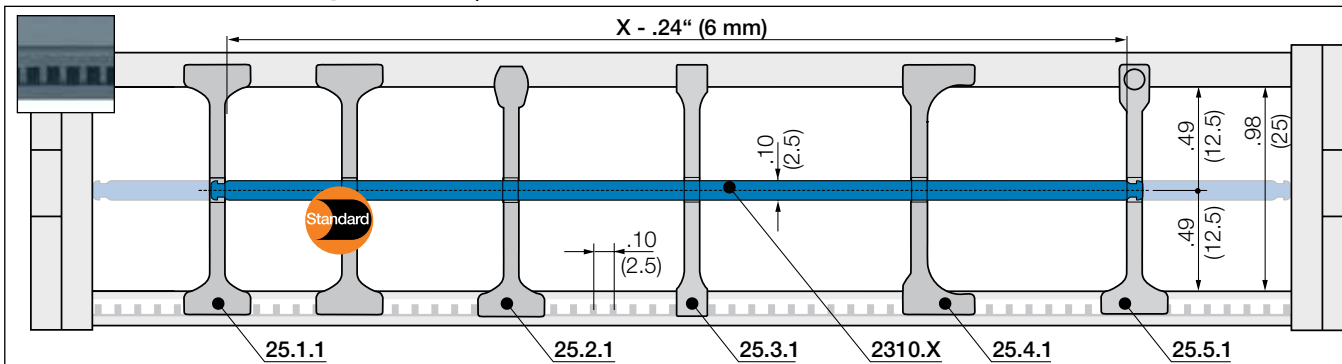
● Locking connections ● One part (2-piece) for all e-chain® widths ● Electrically conductive



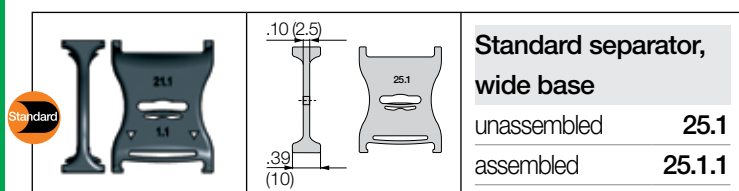
Strain relief: clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1418



3D CAD, configurators, service life calculation and more ▶ www.igus.com/e2/000

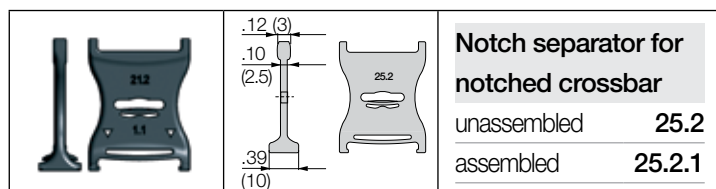


No lateral gap to side links necessary. As standard separators are fitted every 2nd e-chain® link!



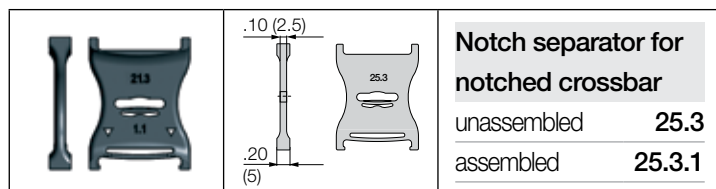
Standard - for any application

Separator with a wide base for maximum holding force.



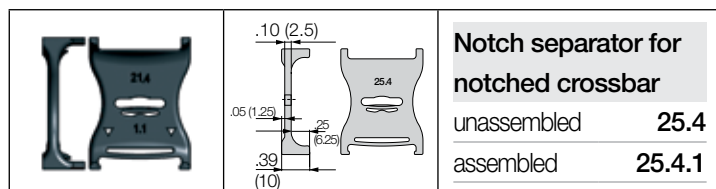
For even faster installation

Wide on one side for high holding force, narrow on opposite side for easy cable fitting.



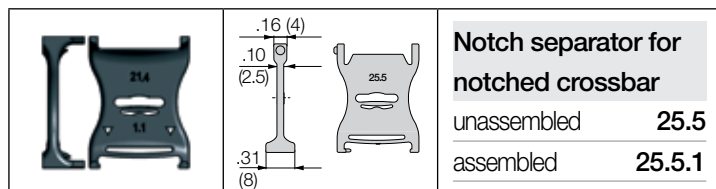
For a large number of thin cables

Separator with a narrow base for a large number of thin cables side by side. Saves space.



For side-mounted applications

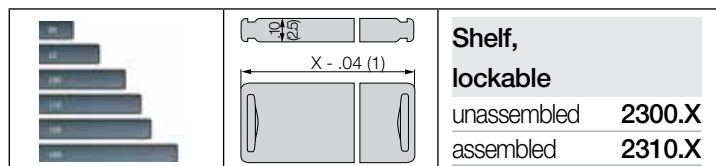
Asymmetrical separator, for defined gap distance. No additional spacers required.



Locks securely in preset increments

Notch separator for exact positioning. Recommended for side-mounted applications.

Note: For this series notches only on fixed crossbars, not on openable crossbars



Horizontal separation

Full-width shelf locks securely into separators at both ends, giving a fixed width. Can be used as full-width or partial shelf.

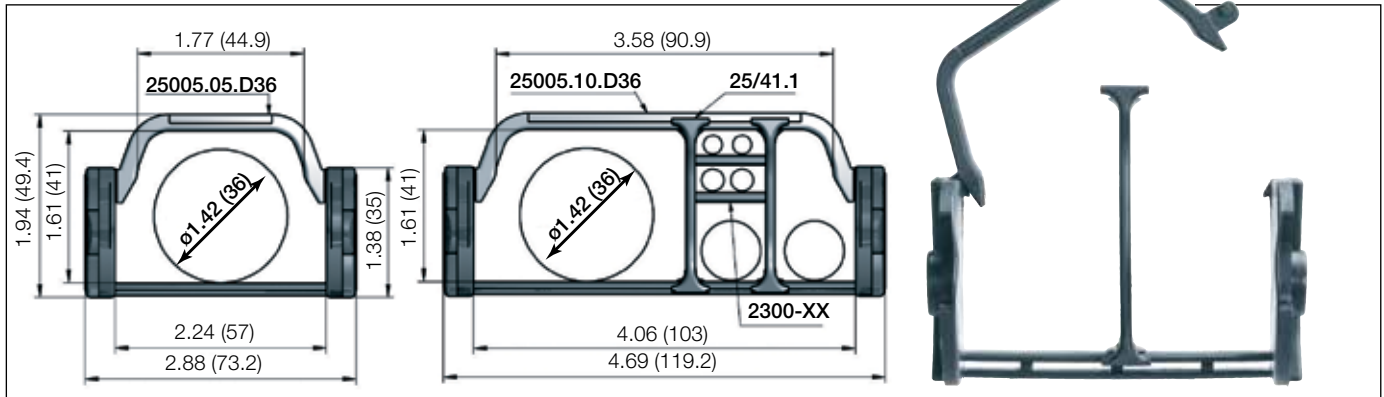
Shelves

Width = X in. (mm)



X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled
.59 (015)	2300.015	2310.015	2.36 (060)	2300.060	2310.060	3.43 (087)	2300.087	2310.087
.98 (025)	2300.025	2310.025	2.44 (062)	2300.062	2310.062	3.54 (090)	2300.090	2310.090
1.18 (030)	2300.030	2310.030	2.56 (065)	2300.065	2310.065	3.94 (100)	2300.100	2310.100
1.50 (038)	2300.038	2310.038	2.76 (070)	2300.070	2310.070	4.06 (103)	2300.103	2310.103
1.57 (040)	2300.040	2310.040	2.95 (075)	2300.075	2310.075	4.33 (110)	2300.110	2310.110
1.97 (050)	2300.050	2310.050	3.03 (077)	2300.077	2310.077	4.72 (120)	2300.120	2310.120
2.24 (057)	2300.057	2310.057	3.15 (080)	2300.080	2310.080	4.92 (125)	2300.125	2310.125

e-chains® with extender crossbar | Product Range



e-chains® with extender crossbars - large increase of the interior space for the smooth guiding of large hoses.
Suitable for hoses with a maximum outer diameter of 1.42 (36mm).

Part No. e-chains® Extender crossbars openable along inner radius	Part No. e-chains® Extender crossbars openable along outer radius	<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)
2400.05D36.R.0	2500.05D36.R.0	2.24 (57)	2.87 (73)
2400.10D36.R.0	2500.10D36.R.0	4.06 (103)	4.69 (119)

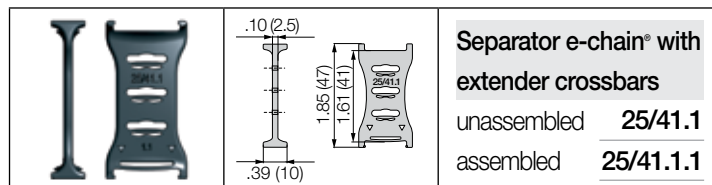
* Radius 055 only possible with e-chains® series 2500, openable along outer radius!

Complete Part No. with required radius (R). Example: 2500.03.100.0

Available bend radii

R (mm) | 2.17 (055)* | 2.95 (075) | 3.94 (100) | 4.92 (125) | 5.91 (150) | 6.89 (175) | 7.87 (200) | 8.86 (225) | 9.84 (250) |

Interior separation for e-chains® with extender crossbars

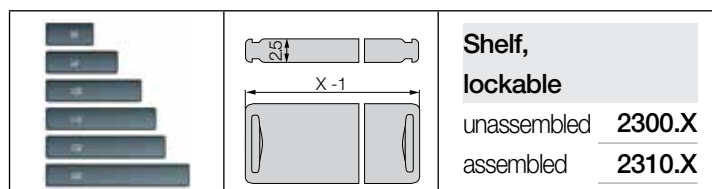


Separator e-chain® with extender crossbars

unassembled 25/41.1
assembled 25/41.1.1

Standard separator, wide base

Separator with a wide base for maximum holding force. As standard separators are fitted every 2nd e-chain® link!



Shelf, lockable

unassembled 2300.X
assembled 2310.X

Horizontal separation

Full-width shelf locks securely into separators at both ends, giving a fixed width. Can be used as full-width or partial shelf.

Separator with integrated strain relief teeth

- Can be integrated into the mounting bracket or placed at any point
- Combines strain relief and interior separation, for restricted space conditions
- Strain relief separator is easy to assemble without any screws

Part No. 2020.Z - more information ► From page 1456



Aluminum support tray

- Corrosion-resistant and seawater-resistant aluminum rails with adjustable width
- Noise-reducing glide strip integrated as standard
- Easy installation and connection of the e-chain®
- Open design - dirt and debris fall through

More information ► From page 1400





Half e-tubes | **Series 2450** | Crossbars openable along inner radius from both sides, closed along outer radius
Full e-tubes | **Series 2480** | Lids openable along inner radius from both sides, fully enclosed

Part No. half e-tubes openable along the inner radius	Part No. full e-tubes openable along the inner radius	<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)	2450 lbs/ft. (kg/m)	2480 lbs/ft. (kg/m)
2450.02. <i>R</i> .0	2480.02. <i>R</i> .0	.98 (25)	1.61 (41)	≈ 0.54 (0.80)	≈ 0.55 (0.82)
2450.03. <i>R</i> .0	2480.03. <i>R</i> .0	1.50 (38)	2.13 (54)	≈ 0.59 (0.88)	≈ 0.62 (0.92)
2450.05. <i>R</i> .0 ☉	2480.05. <i>R</i> .0 ☉	2.24 (57)	2.87 (73)	≈ 0.66 (0.99)	≈ 0.69 (1.03)
2450.07. <i>R</i> .0	2480.07. <i>R</i> .0	3.03 (77)	3.66 (93)	≈ 0.75 (1.12)	≈ 0.79 (1.17)
2450.09. <i>R</i> .0	2480.09. <i>R</i> .0	3.50 (89)	4.13 (105)	≈ 0.81 (1.20)	≈ 0.85 (1.26)
2450.10. <i>R</i> .0	2480.10. <i>R</i> .0	4.06 (103)	4.69 (119)	≈ 0.85 (1.27)	≈ 0.90 (1.34)
2450.12. <i>R</i> .0	2480.12. <i>R</i> .0	4.92 (125)	5.55 (141)	≈ 0.91 (1.35)	≈ 0.96 (1.43)

☉ *RBR* version (Reverse Bend Radius), some radii available from stock. More information ► From page 132

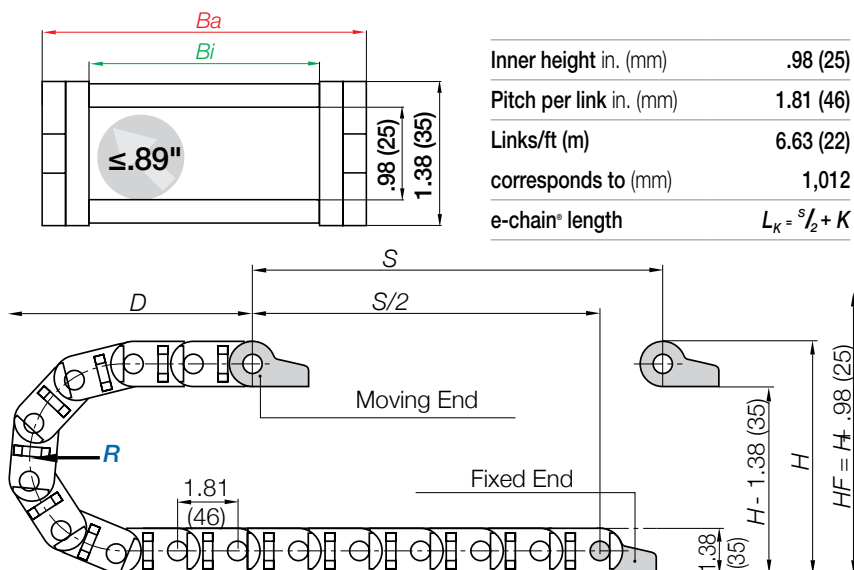
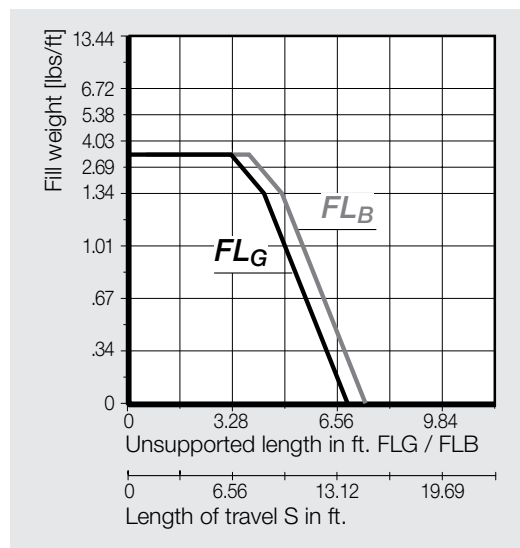
*Radius available upon request. Delivery time upon request.

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

Complete Part No. with required radius (*R*). Example: 2450.03.100.0

Available bend radii

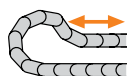
R (mm) | 2.95 (075) | 3.94 (100) | 4.92 (125) | 5.91 (150) | 6.89 (175) | 7.87 (200) | 8.86 (225) | 9.84 (250) |



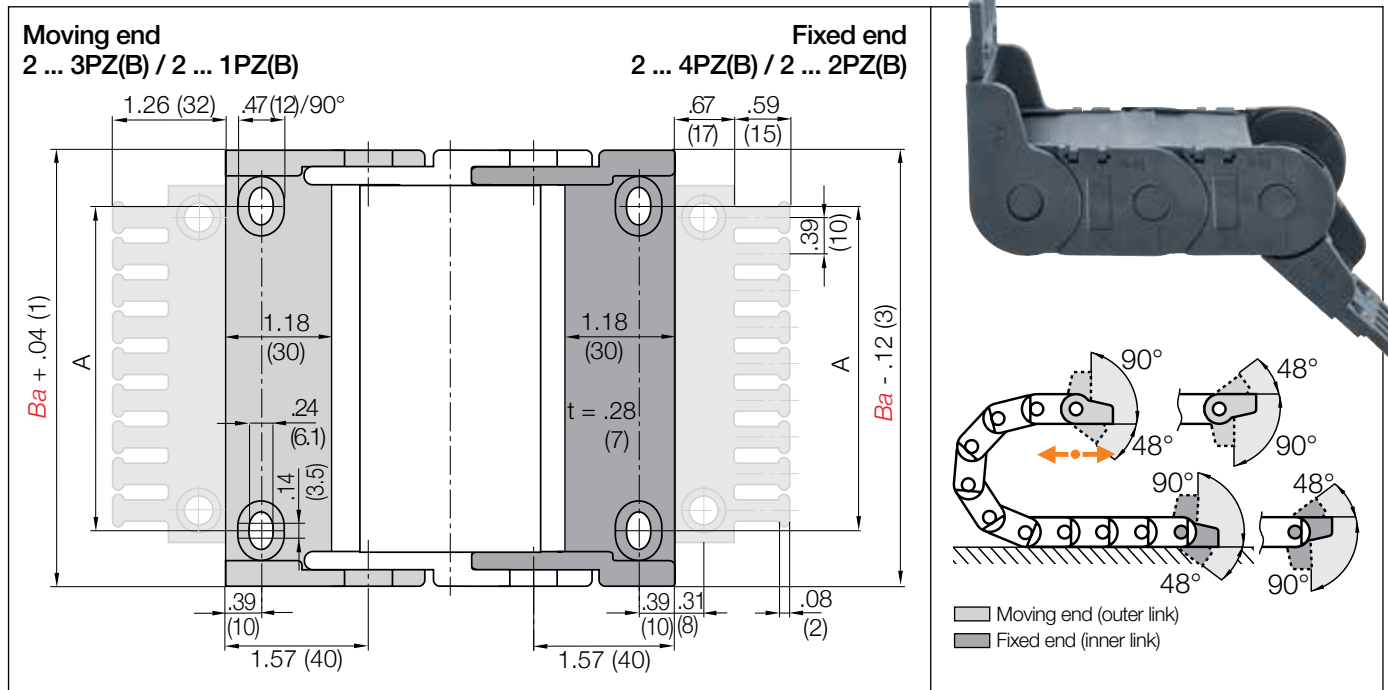
R	2.95 (075)	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	8.86 (225)	9.84 (250)
H	7.28 (185)	9.25 (235)	11.22 (285)	13.19 (335)	15.16 (385)	17.13 (435)	19.09 (485)	21.06 (535)
D	6.38 (162)	7.36 (187)	8.35 (212)	9.33 (237)	10.31 (262)	11.30 (287)	12.28 (312)	13.27 (337)
K	12.99 (330)	16.14 (410)	19.09 (485)	22.24 (565)	25.39 (645)	28.54 (725)	31.50 (800)	34.65 (880)

The required clearance height: $H_r = H + .98$ in. (25 mm) with 1.01 lbs/ft (1.5 kg/m) fill weight.

*Radius available upon request. Delivery time upon request. Before using 1450/1480 series on long travels please consult igus®.



If a gliding application is required for a long travel, please consult igus®.

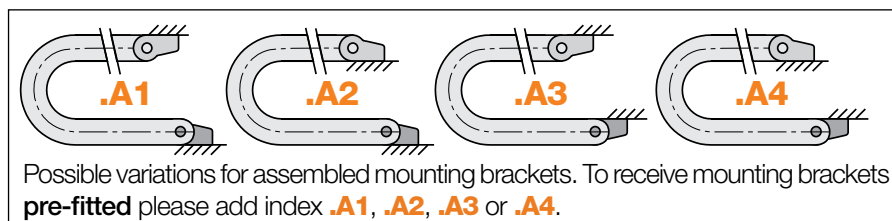


Polymer pivoting Polymer locking

Recommended for unsupported and gliding applications
Recommended for vertical hanging and standing applications

Width index	Part No. full set pivoting		Part No. full set locking		A	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates	in. (mm)	
02. ▶	2020.34PZB	2020.34PZ	2020.12PZB	2020.12PZ	.47 (12)	3
03. ▶	2030.34PZB	2030.34PZ	2030.12PZB	2030.12PZ	.98 (25)	4
05. ▶	2050.34PZB	2050.34PZ	2050.12PZB	2050.12PZ	1.73 (44)	6
07. ▶	2070.34PZB	2070.34PZ	2070.12PZB	2070.12PZ	2.52 (64)	8
09. ▶	2090.34PZB	2090.34PZ	2090.12PZB	2090.12PZ	3.03 (77)	9
10. ▶	2100.34PZB	2100.34PZ	2100.12PZB	2100.12PZ	3.54 (90)	10
12. ▶	2125.34PZB	2125.34PZ	2125.12PZB	2125.12PZ	4.41 (112)	12

Full set with tiewrap plate + 10 cable tiewraps, please add index **K1**. Example: 2020.34PZBK1

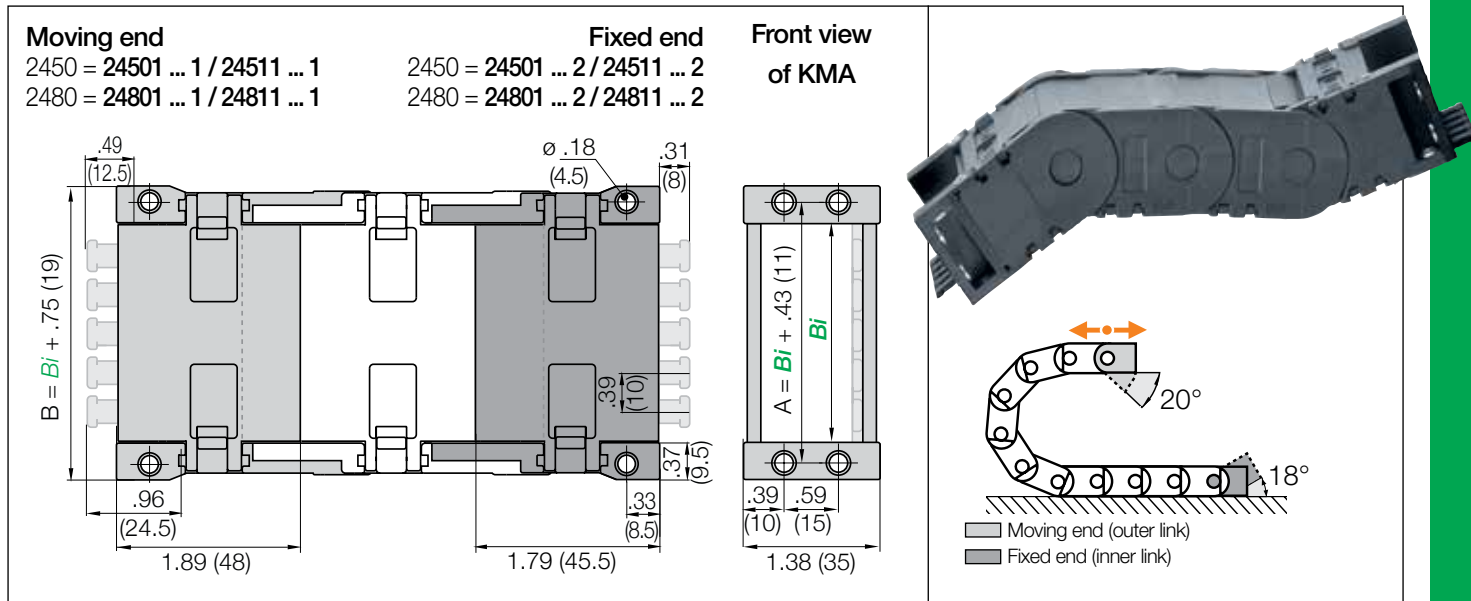


2020.34PZB.A1 Order example



Strain relief: clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1418

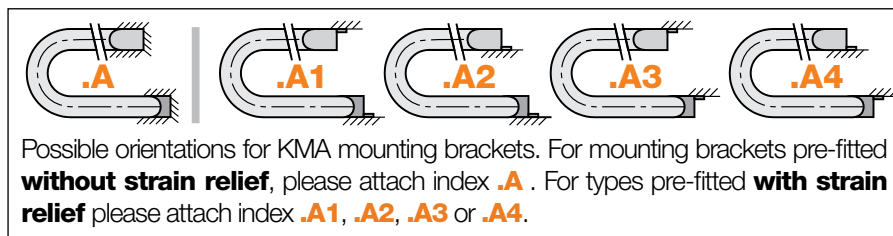
KMA mounting brackets | Attachment from any side | Pivoting | Locking



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

Width index	Part No. full set KMA pivoting		Part No. full set KMA locking		A	B	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates	in. (mm)	in. (mm)	
02.	▶ 24501 24801.02.12ZB	24501 24801.02.12	24511 24811.02.12ZB	24511 24811.02.12	1.42 (36)	1.73 (44)	2
03.	▶ 24501 24801.03.12ZB	24501 24801.03.12	24511 24811.03.12ZB	24511 24811.03.12	1.93 (49)	2.24 (57)	4
05.	▶ 24501 24801.05.12ZB	24501 24801.05.12	24511 24811.05.12ZB	24511 24811.05.12	2.68 (68)	2.99 (76)	6
07.	▶ 24501 24801.07.12ZB	24501 24801.07.12	24511 24811.07.12ZB	24511 24811.07.12	3.46 (88)	3.39 (86)	7
09.	▶ 24501 24801.09.12ZB	24501 24801.09.12	24511 24811.09.12ZB	24511 24811.09.12	3.94 (100)	4.25 (108)	9
10.	▶ 24501 24801.10.12ZB	24501 24801.10.12	24511 24811.10.12ZB	24511 24811.10.12	4.49 (114)	4.80 (122)	10
12.	▶ 24501 24801.12.12ZB	24501 24801.12.12	24511 24811.12.12ZB	24511 24811.12.12	5.35 (136)	5.67 (144)	12

(KMA = polymer metal mounting bracket)



24501.02.12ZB.A2 Order example



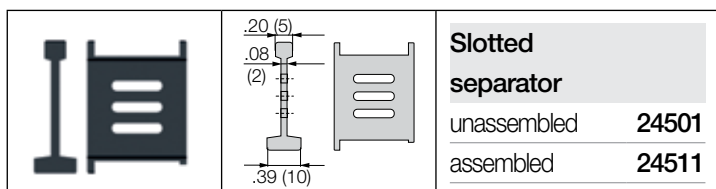
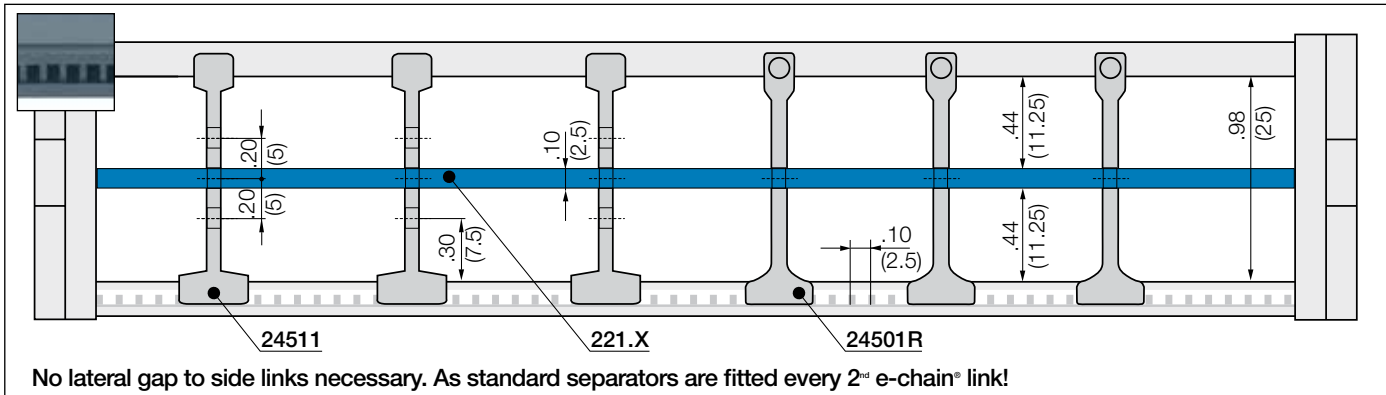
Option: steel mounting bracket, locking. For e-chains® and e-tubes, Part No. ST.E2.26.56

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

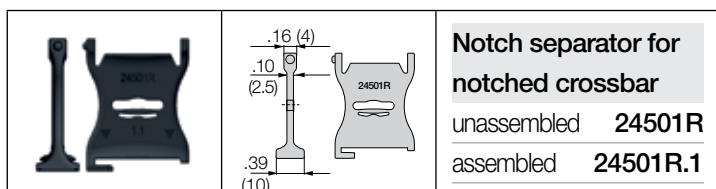


Strain relief: clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1418

Interior separation

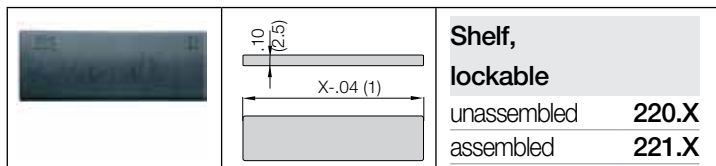
**Slotted separator**

Vertical separation in e-chains®. The slot allows basic vertical/horizontal shelving arrangements.

**Locks securely in preset increments**

Notch separator for exact positioning. Recommended for side-mounted applications.

Note: For this series notches only on fixed crossbars, not on openable crossbars/lids

**Full-width shelf**

This option is for applications with many small cables with similar diameters. For full-width separation.

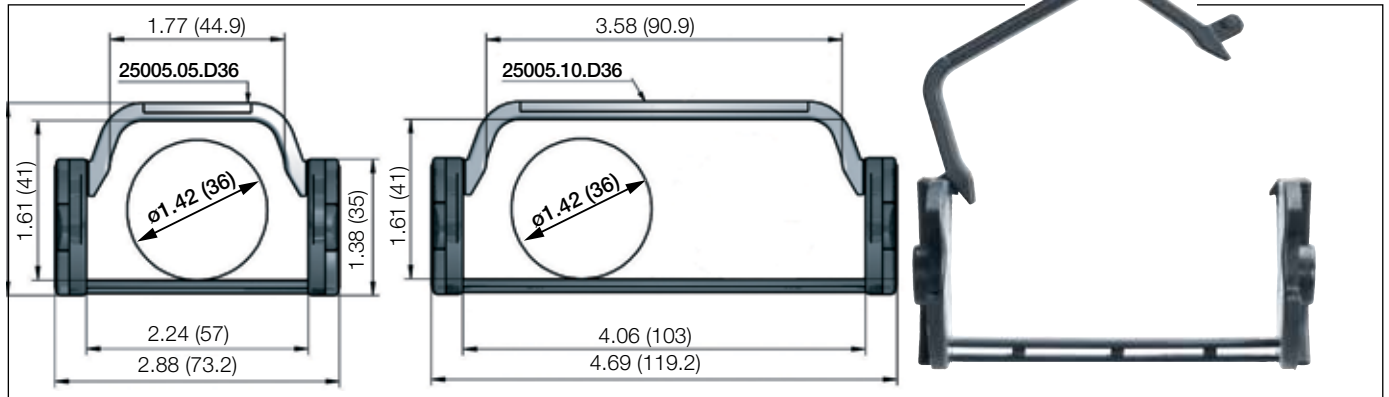
Shelves

Width = X in. (mm)



X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled
.98 (25)	220.25	221.25	3.54 (90)	220.90	221.90
1.50 (38)	220.38	221.38	4.06 (103)	220.103	221.103
2.24 (57)	220.57	221.57	4.92 (125)	220.125	221.125
3.03 (77)	220.77	221.77			

e-chains® with extender crossbar | Product Range



e-chains® with extender crossbars only for series 2450 - large increase of the interior space for the smooth guiding of large hoses. Suitable for hoses with a maximum outer diameter of 1.42 (36mm).

Part No. e-chains®	<i>Bi</i>	<i>Ba</i>
Extender crossbars openable along inner radius	in. (mm)	in. (mm)
2450.05D36. <i>R</i> .0	2.24 (57)	2.87 (73)
2450.10D36. <i>R</i> .0	4.06 (103)	4.69 (119)

* Radius 055 only possible with e-chains® series 2500, openable along outer radius!

Complete Part No. with required radius (*R*). Example: 2450.05D36.100.0

Available bend radii

R (mm) | 2.95 (075) | 3.94 (100) | 4.92 (125) | 5.91 (150) | 6.89 (175) | 7.87 (200) | 8.86 (225) | 9.84 (250) |

Separator with integrated strain relief teeth

- Can be integrated into the mounting bracket or placed at any point
- Combines strain relief and interior separation, for restricted space conditions
- Strain relief separator is easy to assemble without any screws

Part No. 2020.ZR - more information ► From page 1456

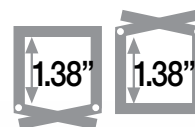


Aluminum support tray

- Corrosion-resistant and seawater-resistant aluminum rails with adjustable width
- Noise-reducing glide strip integrated as standard
- Easy installation and connection of the e-chain®
- Open design - dirt and debris fall through

More information ► From page 1400





► Page 387

... 2600

... 2700

Standard

e-chains® | Series 2600 | Crossbars openable along the inner radius, from both sides
 e-chains® | Series 2700 | Crossbars openable along the inner radius, from both sides

Part No. e-chains® openable along inner radius	Part No. e-chains® openable along outer radius	<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)	2600 lbs/ft. (kg/m)	2700 lbs/ft. (kg/m)
2600.05. <i>R</i> .0	2700.05. <i>R</i> .0 ▲ ◎	1.97 (50)	2.60 (66)	≈ 0.79 (1.17)	≈ 0.79 (1.17)
2600.06. <i>R</i> .0 ◎	2700.06. <i>R</i> .0 ▲	2.56 (65)	3.19 (81)	≈ 0.83 (1.24)	≈ 0.83 (1.24)
2600.07. <i>R</i> .0 ◎	2700.07. <i>R</i> .0 ▲	2.95 (75)	3.58 (91)	≈ 0.87 (1.30)	≈ 0.87 (1.30)
2600.09. <i>R</i> .0	2700.09. <i>R</i> .0 ▲	3.54 (90)	4.17 (106)	≈ 0.92 (1.37)	≈ 0.92 (1.37)
2600.10. <i>R</i> .0 ◎	2700.10. <i>R</i> .0 ▲	3.94 (100)	4.57 (116)	≈ 0.93 (1.39)	≈ 0.93 (1.39)
2600.12. <i>R</i> .0	2700.12. <i>R</i> .0 ▲	4.92 (125)	5.55 (141)	≈ 0.99 (1.48)	≈ 0.99 (1.48)
2600.15. <i>R</i> .0	2700.15. <i>R</i> .0 ◎	5.91 (150)	6.53 (166)	≈ 1.09 (1.62)	≈ 1.09 (1.62)
2600.17. <i>R</i> .0	2700.17. <i>R</i> .0	6.89 (175)	7.64 (194)	≈ 1.24 (1.85)	≈ 1.24 (1.85)

▲ ESD version (Electro Static Discharge) available from stock. More information ► From page 144

◎ *RBR* version (Reverse Bend Radius), some radii available from stock. More information ► From page 132

Half e-tubes, series 2650 and full e-tube series 2680 ► From page 420

Complete Part No. with required radius (*R*). Example: 2700.05.100.0

Available bend radii

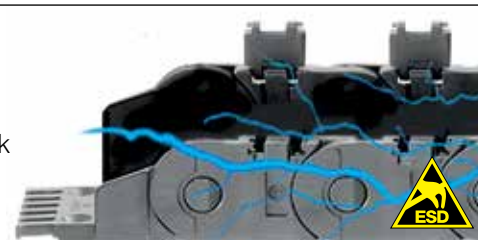
R (mm) | 2.48 (063) | 2.95 (075) | 3.94 (100) | 4.92 (125) | 5.91 (150) | 6.89 (175) | 7.87 (200) | 9.84 (250) |

ESD - many sizes from stock

- Standardized product made from igumid ESD
- ESD material tested with over 10 million cycles for highest requirements
- Short delivery times including mounting brackets and interior separation; 24hrs, from stock

More information and the complete product range

► From page 144 or at ► www.igus.com/esd

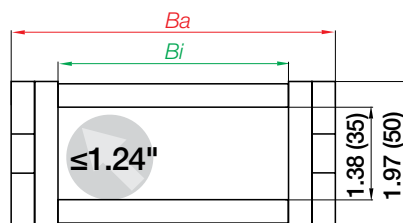
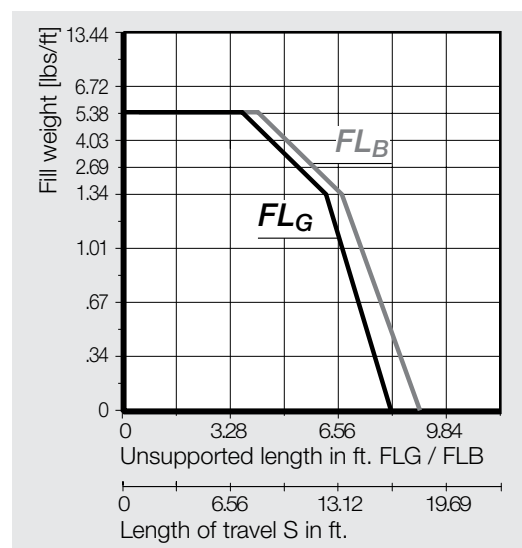


Rotating energy supply systems with Reverse Bend Radius (*RBR*) - some radii available from stock

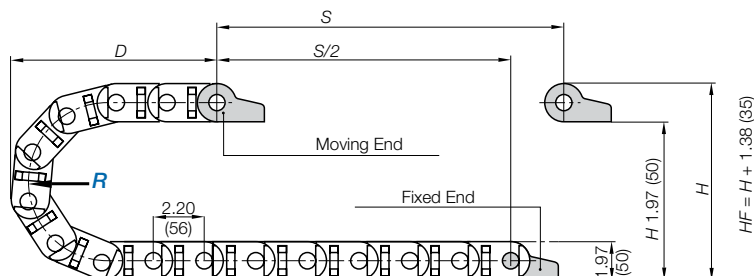
- Maximum rotation angle in minimal installation space
- Minimum displacement forces and maximum service life
- Short delivery times 24hrs, from stock

More information and the complete product range ► From page 132





Inner height in. (mm)	1.38 (35)
Pitch per link in. (mm)	2.20 (56)
Links/ft (m)	5.45 (18)
corresponds to (mm)	1,008
e-chain® length	$L_K = \frac{S}{2} + K$

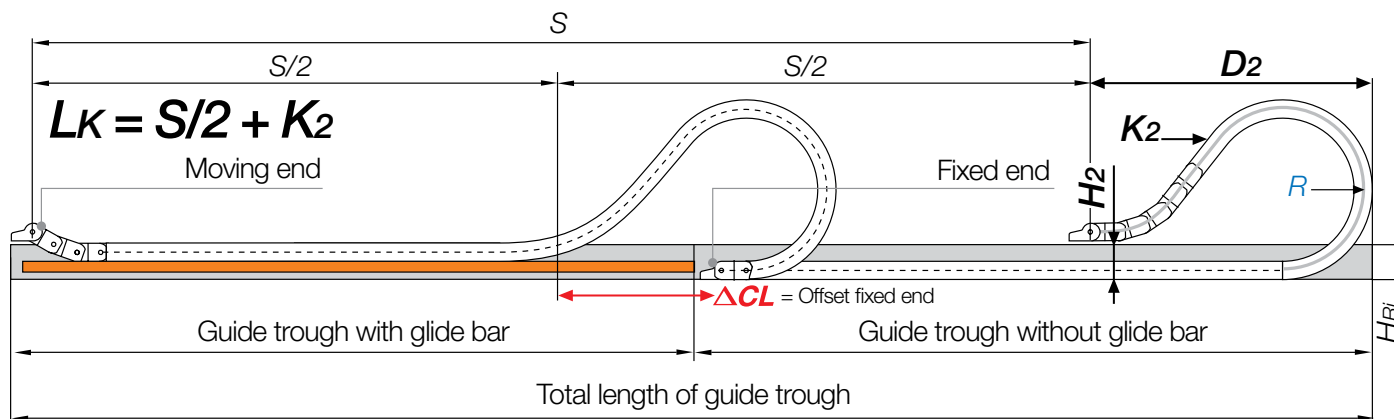


R	2.48 (063)	2.95 (075)	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	9.84 (250)
H	6.93 (176)	7.87 (200)	9.84 (250)	11.81 (300)	13.78 (350)	15.75 (400)	17.72 (450)	21.65 (550)
D	6.77 (172)	7.24 (184)	8.23 (209)	9.21 (234)	10.20 (259)	11.18 (284)	12.17 (309)	14.13 (359)
K	12.20 (310)	13.78 (350)	16.93 (430)	19.88 (505)	23.03 (585)	26.18 (665)	29.33 (745)	35.43 (900)

The required clearance height: $H_r = H + 1.38 \text{ in. (35 mm)}$ with 1.34 lbs/ft (2.0 kg/m) fill weight.

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

Gliding applications | For travel lengths from 32.8 ft. (10m) to max. 394 ft. (120m)



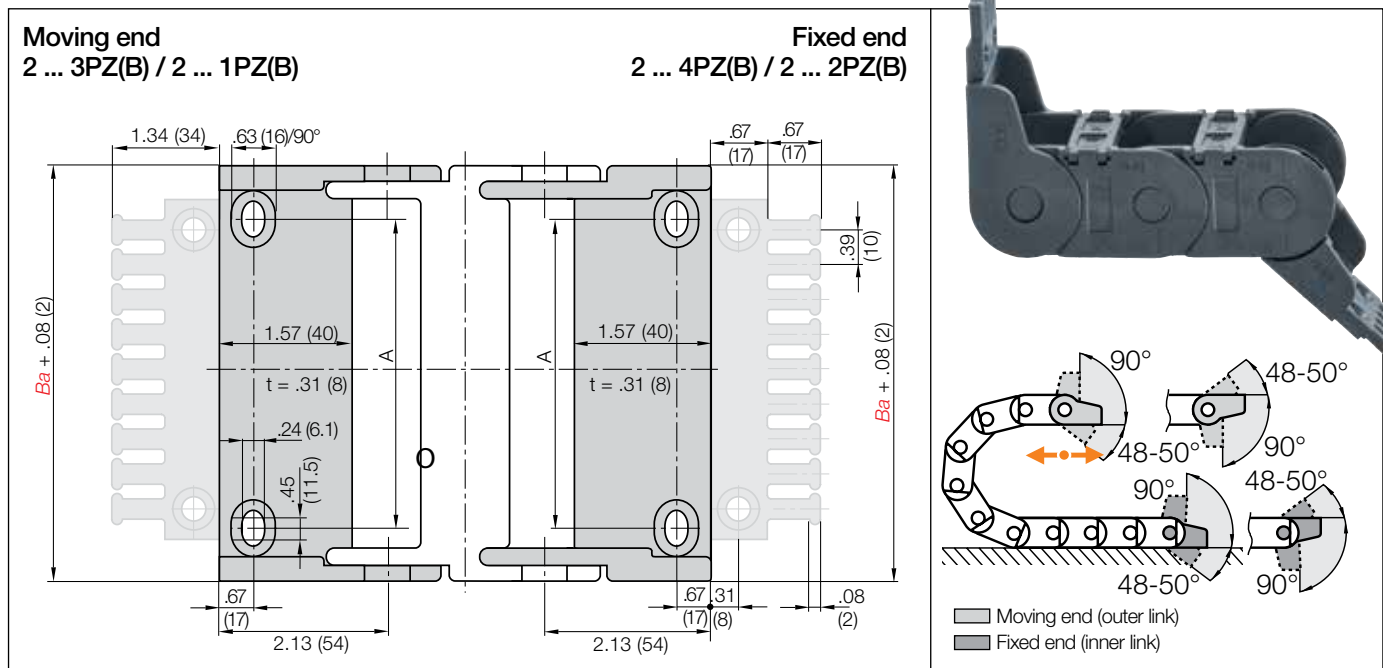
Note: Before using series 2600/2650/2680 on long travels please consult igus®.

For long travels, igus® recommends series 2700 openable along the outer radius.

In case of travels between 16.41 ft. (5m) and 32.81ft. (10m) we recommend an e-chain® with a longer unsupported length.

R	2.48 (063)	2.95 (075)	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	9.84 (250)
H_r	5.12 (130)	5.91 (150)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)
D_r	5.51 (140)	5.91 (150)	15.55 (395)	20.08 (510)	21.46 (545)	27.56 (700)	31.69 (805)	39.17 (995)
K	13.19 (335)	14.76 (375)	24.25 (616)	30.87 (784)	35.28 (896)	44.09 (1120)	50.71 (1288)	63.94 (1624)
ΔCL	—	—	5.67 (144)	9.61 (244)	9.61 (244)	14.72 (374)	18.27 (464)	23.39 (594)

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

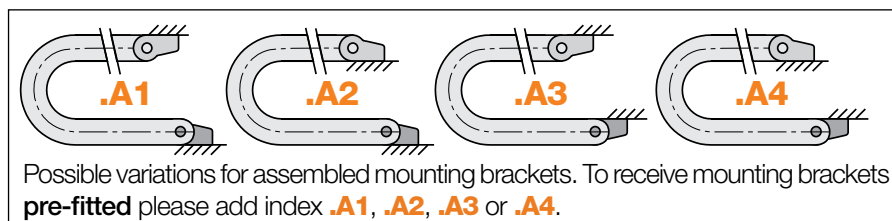


Polymer pivoting Polymer locking

Recommended for unsupported and gliding applications
Recommended for vertical hanging and standing applications

Width index	Part No. full set pivoting		Part No. full set locking		A	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates	in. (mm)	
05. ▶	2605.34PZB	2605.34PZ	2605.12PZB	2605.12PZ	1.18 (30)	5
06. ▶	2606.34PZB	2606.34PZ	2606.12PZB	2606.12PZ	1.77 (45)	5
07. ▶	2607.34PZB	2607.34PZ	2607.12PZB	2607.12PZ	2.17 (55)	7
09. ▶	2609.34PZB	2609.34PZ	2609.12PZB	2609.12PZ	2.76 (70)	9
10. ▶	2610.34PZB	2610.34PZ	2610.12PZB	2610.12PZ	3.15 (80)	10
12. ▶	2612.34PZB	2612.34PZ	2612.12PZB	2612.12PZ	4.13 (105)	12
15. ▶	2615.34PZB	2615.34PZ	2615.12PZB	2615.12PZ	5.12 (130)	15
17. ▶	2617.34PZB	2617.34PZ	2617.12PZB	2617.12PZ	6.10 (155)	17

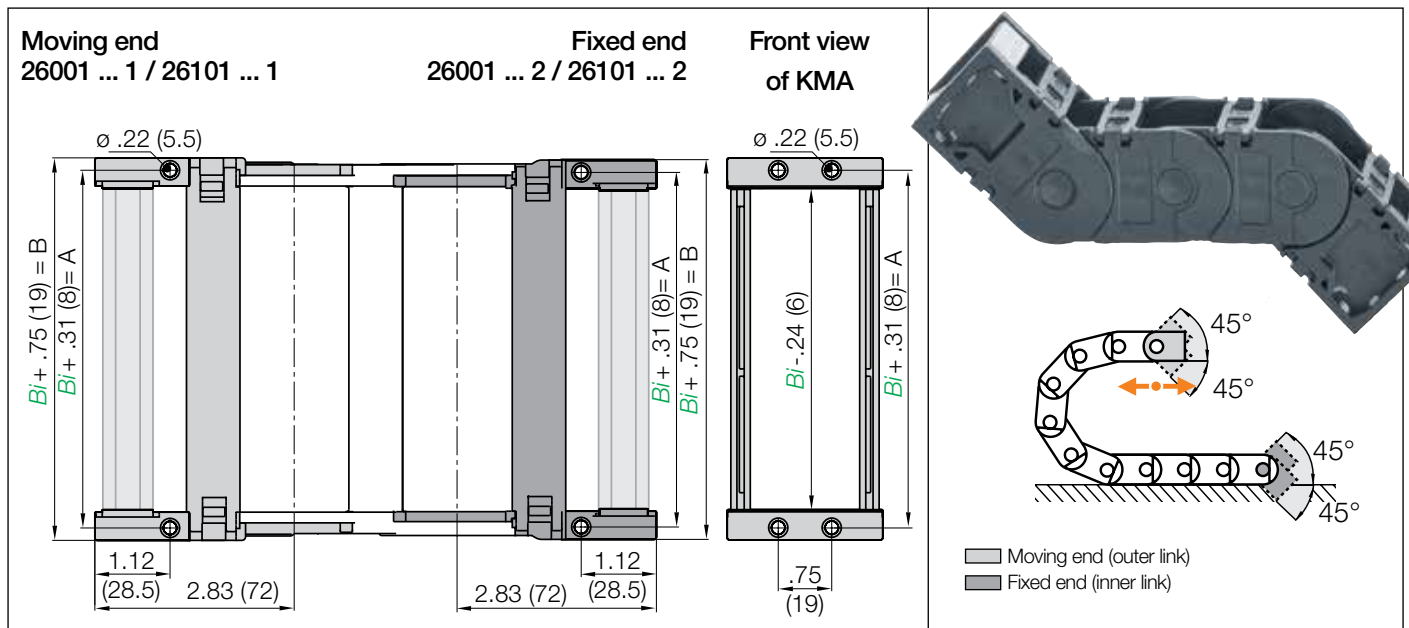
Full set with tiewrap plate + 10 cable tiewraps, please add index **K1**. Example: 2605.34PZBK1



2605.34PZB.A1 Order example



Strain relief: clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1418

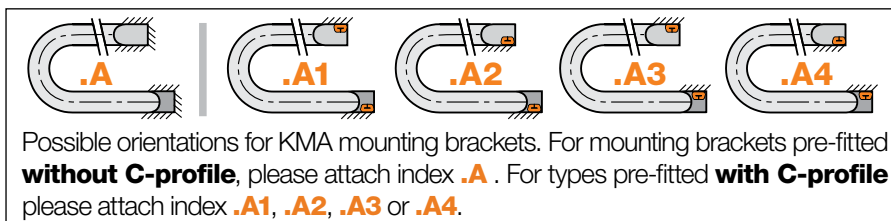


KMA pivoting | Recommended for unsupported and gliding applications
KMA locking | Recommended for vertical hanging and standing applications

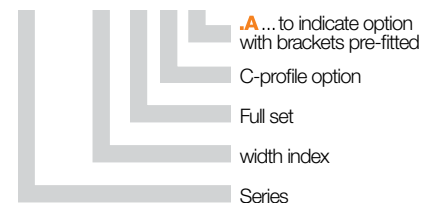
Width index	Part no. full set KMA pivoting		Part No. full set KMA locking		A	B
	with C-profile	Without C-profile	with C-profile	Without C-profile	in. (mm)	in. (mm)
05. ▶	26001.05.12.C	26001.05.12	26101.05.12.C	26101.05.12	2.28 (58)	2.72 (69)
06. ▶	26001.06.12.C	26001.06.12	26101.06.12.C	26101.06.12	2.87 (73)	3.31 (84)
07. ▶	26001.07.12.C	26001.07.12	26101.07.12.C	26101.07.12	3.27 (83)	3.70 (94)
09. ▶	26001.09.12.C	26001.09.12	26101.09.12.C	26101.09.12	3.86 (98)	4.29 (109)
10. ▶	26001.10.12.C	26001.10.12	26101.10.12.C	26101.10.12	4.25 (108)	4.69 (119)
12. ▶	26001.12.12.C	26001.12.12	26101.12.12.C	26101.12.12	5.24 (133)	5.67 (144)
15. ▶	26001.15.12.C	26001.15.12	26101.15.12.C	26101.15.12	6.22 (158)	6.65 (169)
17. ▶	26001.17.12.C	26001.17.12	26101.17.12.C	26101.17.12	7.20 (183)	7.64 (194)

Option: KMA one end pivoting to the inner or outer radius: moving end Part No. 26101 ... 3 / fixed end Part No. 26101 ... 4

(KMA = polymer metal mounting bracket)



26001.05.12.C.A2 Order example



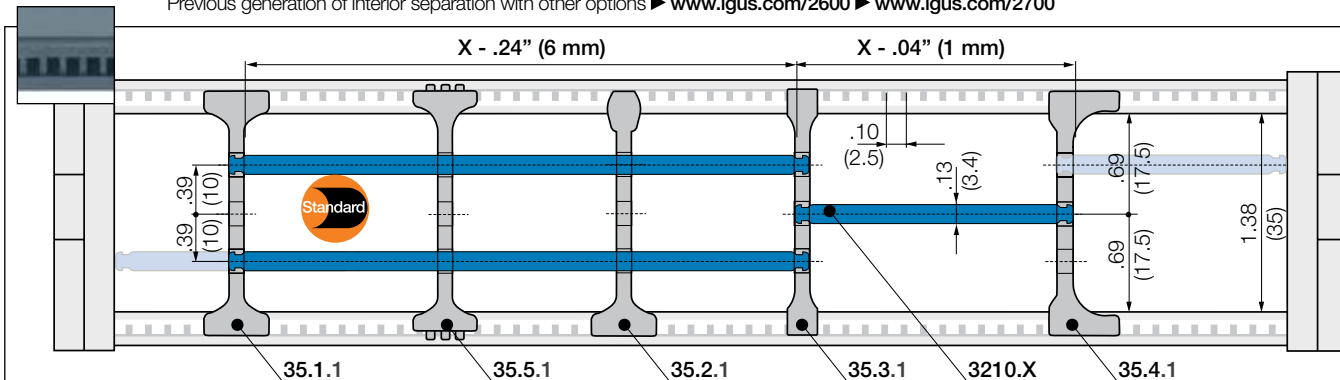
Option: steel mounting bracket, locking. For e-chains® and e-tubes, Part No. 260.12

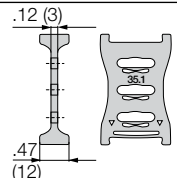
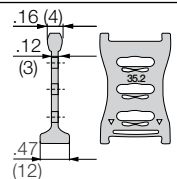
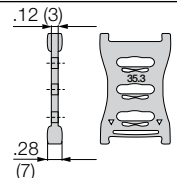
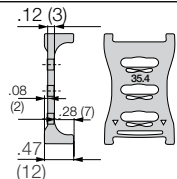
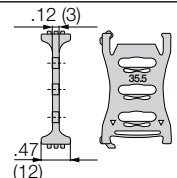
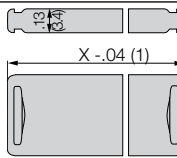
● Locking connections ● One part (2-piece) for all e-chain® widths ● Electrically conductive



Strain relief: clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1418

Interior separation | Increase cable service life

Previous generation of interior separation with other options ► www.igus.com/2600 ► www.igus.com/2700No lateral gap to side links necessary. As standard separators are fitted every 2nd e-chain® link!

		Standard separator, wide base unassembled 35.1 assembled 35.1.1
		Notch separator for notched crossbar unassembled 35.2 assembled 35.2.1
		Notch separator for notched crossbar unassembled 35.3 assembled 35.3.1
		Notch separator for notched crossbar unassembled 35.4 assembled 35.4.1
		Notch separator for notched crossbar unassembled 35.5 assembled 35.5.1
		Shelf, lockable unassembled 3200.X assembled 3210.X

Standard - for any application

Separator with a wide base for maximum holding force.

For even faster installation

Wide on one side for high holding force, narrow on opposite side for easy cable fitting.

For a large number of thin cables

Separator with a narrow base for a large number of thin cables side by side. Saves space.

For side-mounted applications

Asymmetrical separator, for defined gap distance. No additional spacers required.

Locks securely in preset increments

Notch separator for exact positioning. Recommended for side-mounted applications.

Horizontal separation

Full-width shelf locks securely into separators at both ends, giving a fixed width. Can be used as full-width or partial shelf.

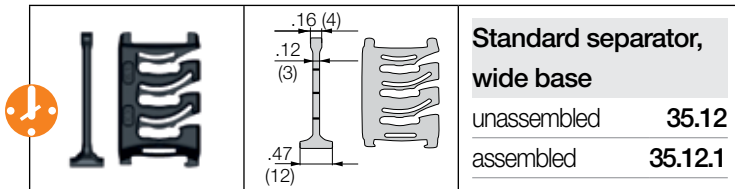
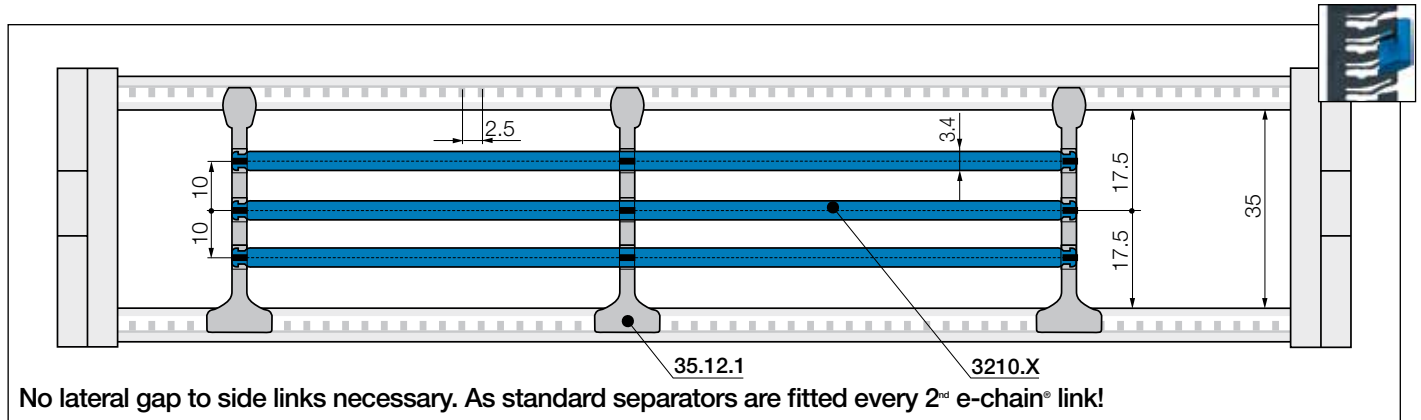
Shelves

Width = X in. (mm)



X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled
1.97 (050)	3200.050	3210.050	4.92 (125)	3200.125	3210.125	8.86 (225)	3200.225	3210.225
2.95 (075)	3200.075	3210.075	5.91 (150)	3200.150	3210.150	9.84 (250)	3200.250	3210.250
3.94 (100)	3200.100	3210.100	6.89 (175)	3200.175	3210.175			
4.53 (115)	3200.115	3210.115	7.87 (200)	3200.200	3210.200			

Interior separation | To allow faster filling



Lean separators¹⁾

For quick fitting of shelves in several layers.

1) Note: Please combine maximum 4 lean separators with one shelf. Not suitable for side-mounted e-chains!

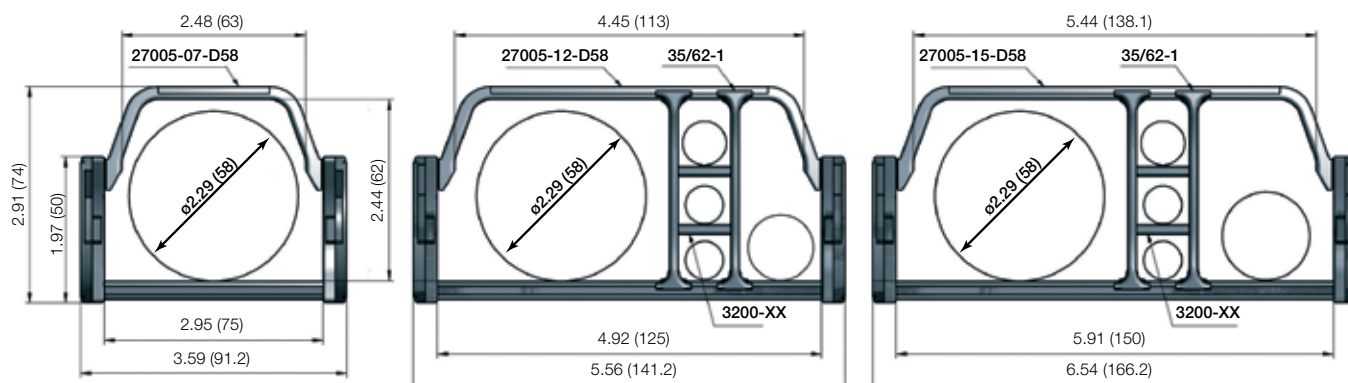
With the lean separator you can quickly insert several layers of cables into the e-chain® and reduce the installation time by up to 50%²⁾.

2) Lean interior separation vs. standard interior separation - measured on a 4m long e-chain® fitted with 12 cables in the igus® lab



E2/000 | e-chains® 2600·2700 | Further accessories

e-chains® with extender crossbar | Product Range



e-chains® with extender crossbars - large increase of the interior space for the smooth guiding of large hoses.
Suitable for hoses with a maximum outer diameter of 2.28" (58mm).

Part No. e-chains® Extender crossbars openable along inner radius	Part No. e-chains® Extender crossbars openable along outer radius	<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)
2600.07D58.R.0	2700.07D58.R.0	2.95 (75)	3.58 (91)
2600.12D58.R.0	2700.12D58.R.0	4.92 (125)	5.55 (141)
2600.15D58.R.0	2700.15D58.R.0	5.91 (150)	6.54 (166)

*Radius 063 and 075 only possible with e-chains® series 2700, openable along outer radius!

Complete Part No. with required radius (R). Example: 2700.15D58.100.0

Available bend radii

R (mm) | 2.48 (063) | 2.95 (075) | 3.94 (100) | 4.92 (125) | 5.91 (150) | 6.89 (175) | 7.87 (200) | 9.84 (250) |

Interior separation for e-chains® with extender crossbars

		Notch separator for notched crossbar unassembled 35/62.1 assembled 35/62.5.1
		Shelf, lockable unassembled 3200.X assembled 3210.X

Standard separator, wide base

Separator with a wide base for maximum holding force. As standard separators are fitted every 2nd e-chain® link!

Horizontal separation

Full-width shelf locks securely into separators at both ends, giving a fixed width. Can be used as full-width or partial shelf.

Separator with integrated strain relief teeth

- Can be integrated into the mounting bracket or placed at any point
- Combines strain relief and interior separation, for restricted space conditions
- Strain relief separator is easy to assemble without any screws

Part No. 262.Z - more information ► From page 1456



Aluminium support tray

- Corrosion-resistant and seawater-resistant aluminum rails with adjustable width
- Noise-reducing glide strip integrated as standard
- Easy installation and connection of the e-chain®
- Open design - dirt and debris fall through

More information ► From page 1400



Telescopic loader - an E2/000 e-chain® guides the hydraulic hoses via the telescopic mast to the attachment



Half e-tubes Full e-tubes

Series 2650 Series 2680

Crossbars openable along inner radius from both sides, closed along outer radius

Lids openable along inner radius from both sides, fully enclosed

Part No. half e-tubes openable along the inner radius	Part No. full e-tubes openable along the inner radius	<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)	2650 lbs/ft. (kg/m)	2680 lbs/ft. (kg/m)
2650.05. <i>R</i> .0	2680.05. <i>R</i> .0	1.97 (50)	2.60 (66)	≈ 0.84 (1.25)	≈ 0.89 (1.33)
2650.06. <i>R</i> .0	2680.06. <i>R</i> .0	2.56 (65)	3.19 (81)	≈ 0.91 (1.36)	≈ 0.96 (1.43)
2650.07. <i>R</i> .0	2680.07. <i>R</i> .0	2.95 (75)	3.58 (91)	≈ 0.94 (1.40)	≈ 1.01 (1.51)
2650.09. <i>R</i> .0	2680.09. <i>R</i> .0	3.54 (90)	4.17 (106)	≈ 1.04 (1.55)	≈ 1.09 (1.62)
2650.10. <i>R</i> .0	2680.10. <i>R</i> .0	3.94 (100)	4.57 (116)	≈ 1.08 (1.61)	≈ 1.22 (1.81)
2650.12. <i>R</i> .0	2680.12. <i>R</i> .0	4.92 (125)	5.55 (141)	≈ 1.14 (1.70)	≈ 1.34 (1.99)
2650.15. <i>R</i> .0	2680.15. <i>R</i> .0	5.91 (150)	6.53 (166)	≈ 1.21 (1.80)	≈ 1.46 (2.17)
2650.17. <i>R</i> .0	2680.17. <i>R</i> .0	6.89 (175)	7.64 (194)	≈ 1.34 (2.00)	≈ 1.58 (2.35)

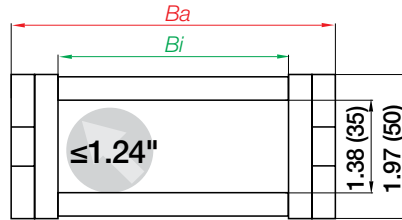
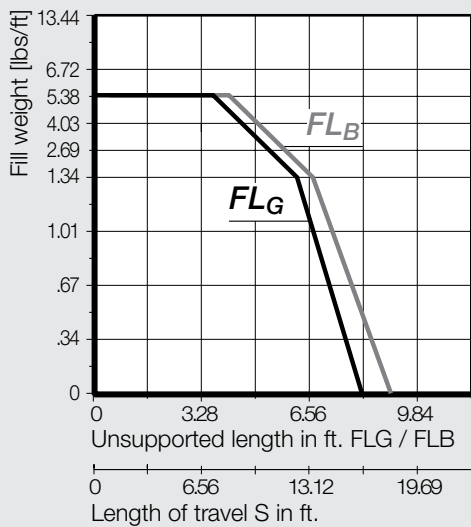
*Radius available upon request. Delivery time upon request.

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

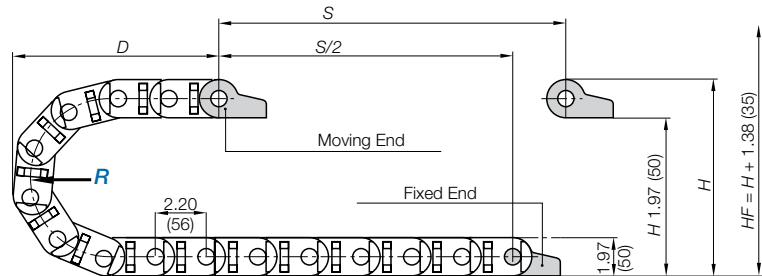
Complete Part No. with required radius (*R*). Example: 2650.05.100.0

Available bend radii

R (mm) | 3.94 (100) | 4.92 (125) | 5.91 (150) | 6.89 (175) | 7.87 (200) | 9.84 (250) |



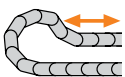
Inner height in. (mm)	1.38 (35)
Pitch per link in. (mm)	2.20 (56)
Links/ft (m)	5.45 (18)
corresponds to (mm)	1,008
e-chain* length	$L_K = \frac{S}{2} + K$



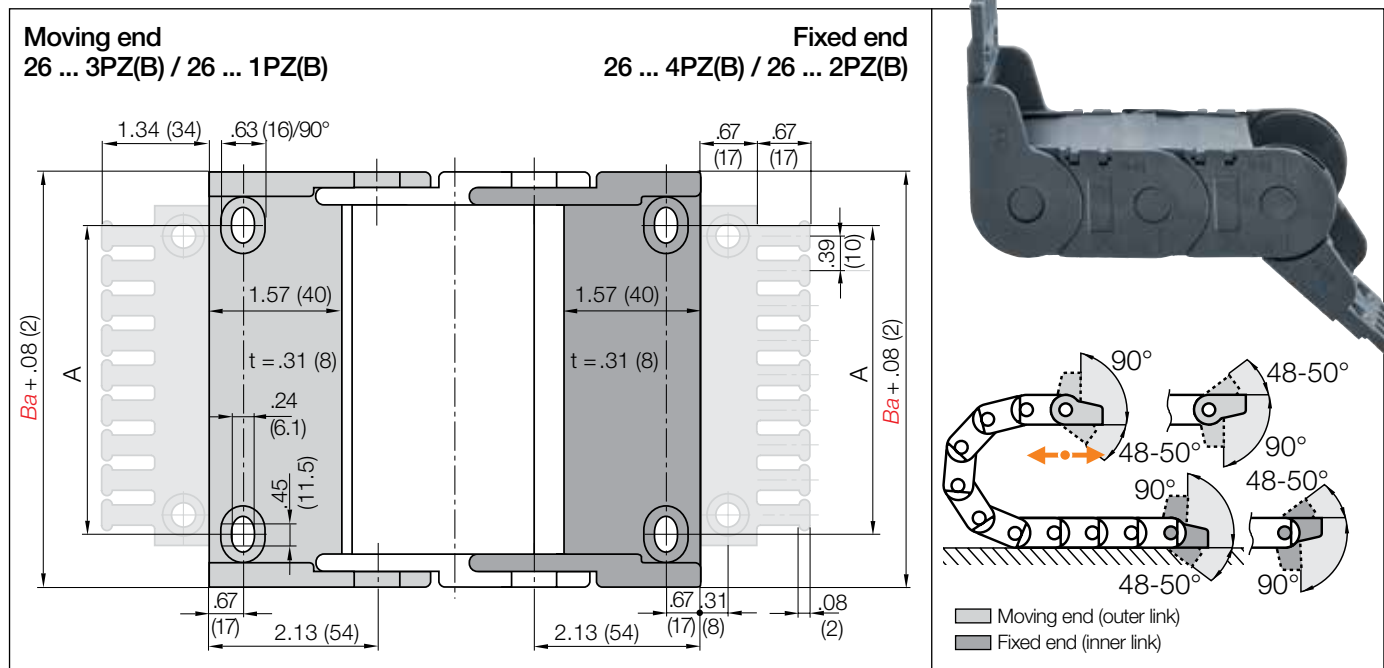
R	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	9.84 (250)
H	9.84 (250)	11.81 (300)	13.78 (350)	15.75 (400)	17.72 (450)	21.65 (550)
D	8.23 (209)	9.21 (234)	10.20 (259)	11.18 (284)	12.17 (309)	14.13 (359)
K	16.93 (430)	19.88 (505)	23.03 (585)	26.18 (665)	29.33 (745)	35.43 (900)

The required clearance height: $H_f = H + 1.38 \text{ in. (35 mm)}$ with 1.34 lbs/ft (2.0 kg/m) fill weight.

*Radius available upon request. Delivery time upon request. Before using 2650/2680 series on long travels please consult igus®.



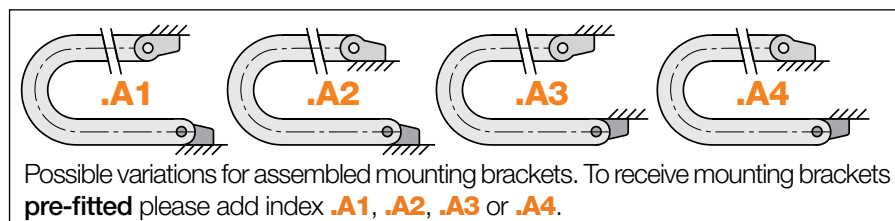
If a gliding application is required for a long travel, please consult igus®.



Polymer pivoting Polymer locking

Recommended for unsupported and gliding applications
Recommended for vertical hanging and standing applications

Width index	Part No. full set pivoting		Part No. full set locking		A	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates	in. (mm)	
05. ▶	2605.34PZB	2605.34PZ	2605.12PZB	2605.12PZ	1.18 (30)	5
06. ▶	2606.34PZB	2606.34PZ	2606.12PZB	2606.12PZ	1.77 (45)	5
07. ▶	2607.34PZB	2607.34PZ	2607.12PZB	2607.12PZ	2.17 (55)	7
09. ▶	2609.34PZB	2609.34PZ	2609.12PZB	2609.12PZ	2.76 (70)	9
10. ▶	2610.34PZB	2610.34PZ	2610.12PZB	2610.12PZ	3.15 (80)	10
12. ▶	2612.34PZB	2612.34PZ	2612.12PZB	2612.12PZ	4.13 (105)	12
15. ▶	2615.34PZB	2615.34PZ	2615.12PZB	2615.12PZ	5.12 (130)	15
17. ▶	2617.34PZB	2617.34PZ	2617.12PZB	2617.12PZ	6.10 (155)	17

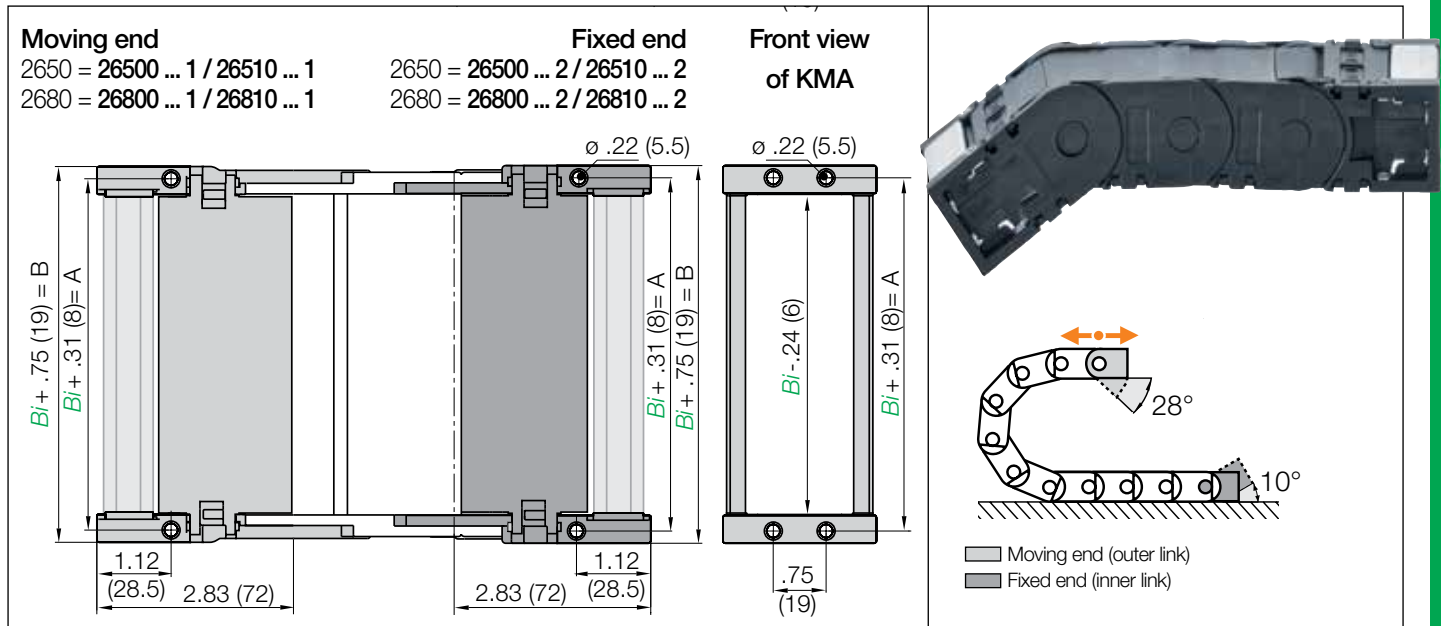


2605.34PZB.A1 Order example



Strain relief: clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1418

KMA mounting brackets | Attachment from any side | Pivoting | Locking

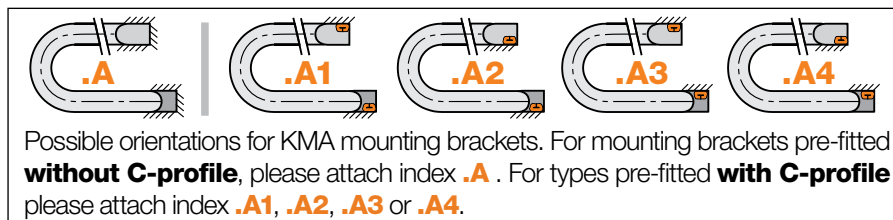


KMA pivoting | Recommended for unsupported and gliding applications
KMA locking | Recommended for vertical hanging and standing applications

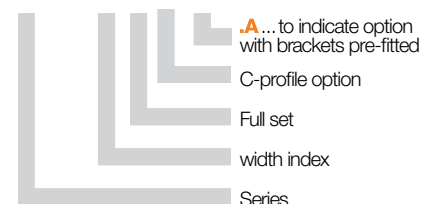
Width index	Part no. full set KMA pivoting		Part No. full set KMA locking		A	B
	with C-profile	Without C-profile	with C-profile	Without C-profile	in. (mm)	in. (mm)
05. ▶	26500 26800.05.12.C	26500 26800.05.12	26510 26810.05.12.C	26510 26810.05.12	2.28 (58)	2.72 (69)
06. ▶	26500 26800.06.12.C	26500 26800.06.12	26510 26810.06.12.C	26510 26810.06.12	2.87 (73)	3.31 (84)
07. ▶	26500 26800.07.12.C	26500 26800.07.12	26510 26810.07.12.C	26510 26810.07.12	3.27 (83)	3.70 (94)
09. ▶	26500 26800.09.12.C	26500 26800.09.12	26510 26810.09.12.C	26510 26810.09.12	3.86 (98)	4.29 (109)
10. ▶	26500 26800.10.12.C	26500 26800.10.12	26510 26810.10.12.C	26510 26810.10.12	4.25 (108)	4.69 (119)
12. ▶	26500 26800.12.12.C	26500 26800.12.12	26510 26810.12.12.C	26510 26810.12.12	5.24 (133)	5.67 (144)
15. ▶	26500 26800.15.12.C	26500 26800.15.12	26510 26810.15.12.C	26510 26810.15.12	6.22 (158)	6.65 (169)
17. ▶	26500 26800.17.12.C	26500 26800.17.12	26510 26810.17.12.C	26510 26810.17.12	7.20 (183)	7.64 (194)

Option: KMA one end pivoting to the inner or outer radius: moving end Part No. 26101 ... 3 / fixed end Part No. 26101 ... 4

(KMA = polymer metal mounting bracket)



26500.05.12.C.A2 Order example



Option: steel mounting bracket, locking. For e-chains® and e-tubes, Part No. 260.12

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

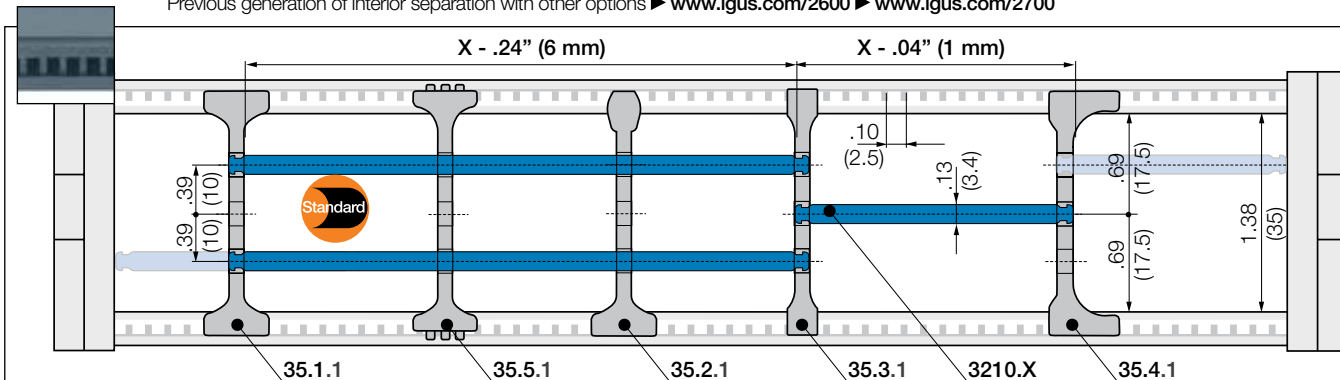


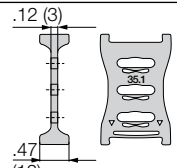
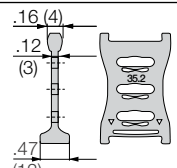
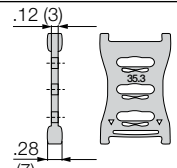
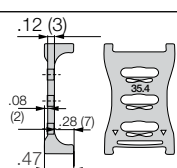
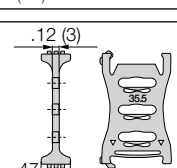
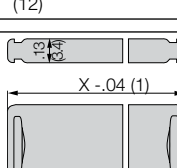
Strain relief: clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1418



3D CAD, configurators, service life calculation and more ▶ www.igus.com/e2/000

Interior separation | Increase cable service life

Previous generation of interior separation with other options ► www.igus.com/2600 ► www.igus.com/2700No lateral gap to side links necessary. As standard separators are fitted every 2nd e-chain® link!

		Standard separator, wide base unassembled 35.1 assembled 35.1.1
		Notch separator for notched crossbar unassembled 35.2 assembled 35.2.1
		Notch separator for notched crossbar unassembled 35.3 assembled 35.3.1
		Notch separator for notched crossbar unassembled 35.4 assembled 35.4.1
		Notch separator for notched crossbar unassembled 35.5 assembled 35.5.1
		Shelf, lockable unassembled 3200.X assembled 3210.X

Standard - for any application

Separator with a wide base for maximum holding force.

For even faster installation

Wide on one side for high holding force, narrow on opposite side for easy cable fitting.

For a large number of thin cables

Separator with a narrow base for a large number of thin cables side by side. Saves space.

For side-mounted applications

Asymmetrical separator, for defined gap distance. No additional spacers required.

Locks securely in preset increments

Notch separator for exact positioning. Recommended for side-mounted applications.

Horizontal separation

Full-width shelf locks securely into separators at both ends, giving a fixed width. Can be used as full-width or partial shelf.

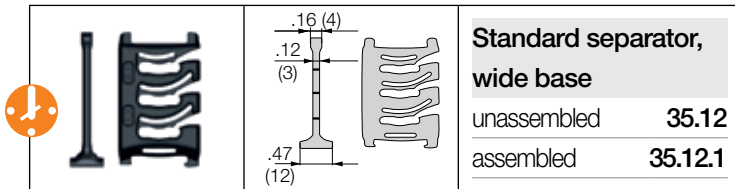
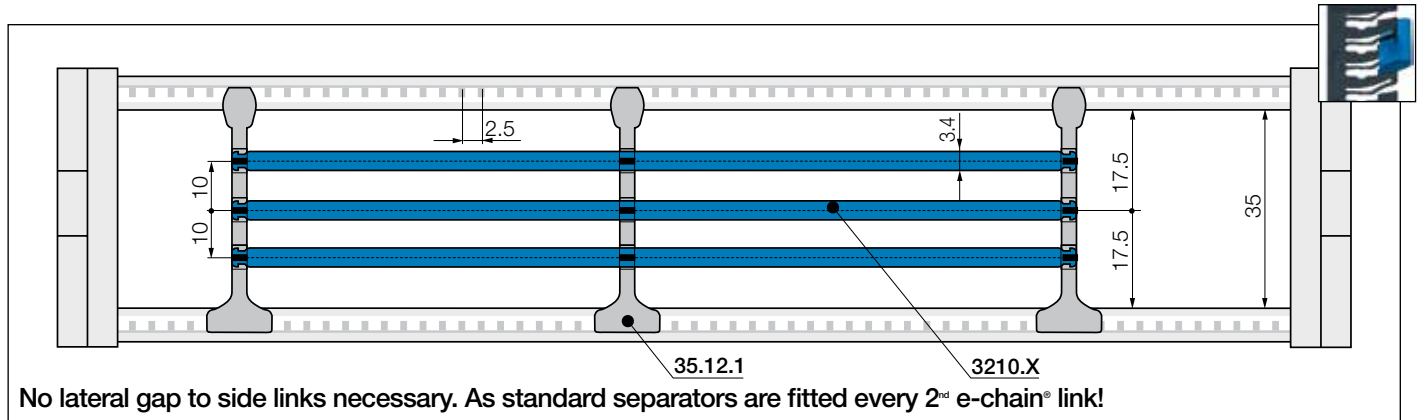
Shelves

Width = X in. (mm)



X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled
1.97 (050)	3200.050	3210.050	4.92 (125)	3200.125	3210.125	8.86 (225)	3200.225	3210.225
2.95 (075)	3200.075	3210.075	5.91 (150)	3200.150	3210.150	9.84 (250)	3200.250	3210.250
3.94 (100)	3200.100	3210.100	6.89 (175)	3200.175	3210.175			
4.53 (115)	3200.115	3210.115	7.87 (200)	3200.200	3210.200			

Interior separation | To allow faster filling



Lean separators¹⁾

For quick fitting of shelves in several layers.

1) Note: Please combine maximum 4 lean separators with one shelf. Not suitable for side-mounted e-chains!

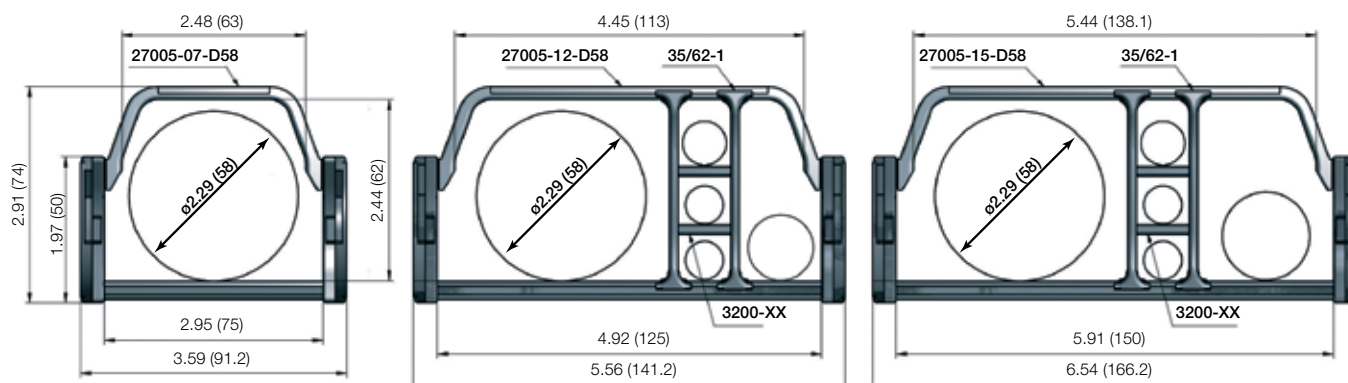
With the lean separator you can quickly insert several layers of cables into the e-chain® and reduce the installation time by up to 50%²⁾.

2) Lean interior separation vs. standard interior separation - measured on a 4m long e-chain® fitted with 12 cables in the igus® lab



E2/000 | e-tubes 2650 | Further accessories

e-chains® with extender crossbar | Product Range



e-chains® with extender crossbars only for series 2650 - large increase of the interior space for the smooth guiding of large hoses. Suitable for hoses with a maximum outer diameter of 2.28" (58mm).

Part No. e-chains®	<i>Bi</i>	<i>Ba</i>
Extender crossbars		
openable along inner radius	in. (mm)	in. (mm)
2650.07D58.R.0	2.95 (75)	3.58 (91)
2650.12D58.R.0	4.92 (125)	5.55 (141)
2650.15D58.R.0	5.91 (150)	6.54 (166)

Complete Part No. with required radius (*R*). Example: 2650.15D58.100.0

Available bend radii

R (mm) | 3.94 (100) | 4.92 (125) | 5.91 (150) | 6.89 (175) | 7.87 (200) | 9.84 (250) |

Interior separation for e-chains® with extender crossbars

		Notch separator for notched crossbar unassembled 35/62.1 assembled 35/62.5.1
		Shelf, lockable unassembled 3200.X assembled 3210.X

Standard separator, wide base

Separator with a wide base for maximum holding force. As standard separators are fitted every 2nd e-chain® link!

Horizontal separation

Full-width shelf locks securely into separators at both ends, giving a fixed width. Can be used as full-width or partial shelf.

Aluminum support tray

- Corrosion-resistant and seawater-resistant aluminum rails with adjustable width
- Noise-reducing glide strip integrated as standard
- Easy installation and connection of the e-chain®
- Open design - dirt and debris fall through

More information ► From page 1400



Flat knitting machine - the igus® E2/000 system is reliable even at high accelerations and for millions of cycles



e-chains® | Series 3400 | Crossbars openable along the inner radius, from both sides
e-chains® | Series 3500 | Crossbars openable along the outer radius, from both sides

Part No. e-chains® openable along inner radius	Part No. e-chains® openable along inner radius	<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)	3400 lbs/ft. (kg/m)	3500 lbs/ft. (kg/m)
3400.050.R.0	3500.050.R.0	1.97 (50)	2.76 (70)	≈ 1.07 (1.60)	≈ 1.07 (1.60)
3400.075.R.0 ☉	3500.075.R.0	2.95 (75)	3.74 (95)	≈ 1.20 (1.78)	≈ 1.20 (1.78)
3400.100.R.0 ☉	3500.100.R.0	3.94 (100)	4.72 (120)	≈ 1.30 (1.93)	≈ 1.30 (1.93)
3400.115.R.0	3500.115.R.0	4.53 (115)	5.31 (135)	≈ 1.34 (1.99)	≈ 1.34 (1.99)
3400.125.R.0 ☉	3500.125.R.0	4.92 (125)	5.71 (145)	≈ 1.36 (2.03)	≈ 1.36 (2.03)
3400.150.R.0 ☉	3500.150.R.0	5.91 (150)	6.69 (170)	≈ 1.46 (2.17)	≈ 1.46 (2.17)
3400.175.R.0 ☉	3500.175.R.0	6.89 (175)	7.68 (195)	≈ 1.53 (2.28)	≈ 1.53 (2.28)
3400.200.R.0	3500.200.R.0	7.87 (200)	8.66 (220)	≈ 1.65 (2.45)	≈ 1.65 (2.45)
3400.225.R.0	3500.225.R.0	8.86 (225)	9.65 (245)	≈ 1.74 (2.59)	≈ 1.74 (2.59)
3400.250.R.0 ☉	3500.250.R.0	9.84 (250)	10.63 (270)	≈ 1.83 (2.73)	≈ 1.83 (2.73)

☉ *RBR* version (Reverse Bend Radius), some radii available from stock. More information ► From page 132

Half e-tubes, series 3450 and full e-tube series 3480 ► From page 438

Complete Part No. with required radius (*R*). Example: 3500.075.200.0

Available bend radii

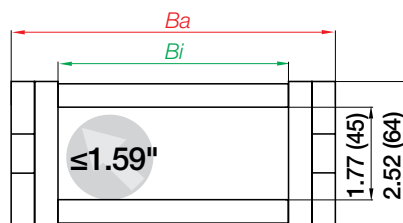
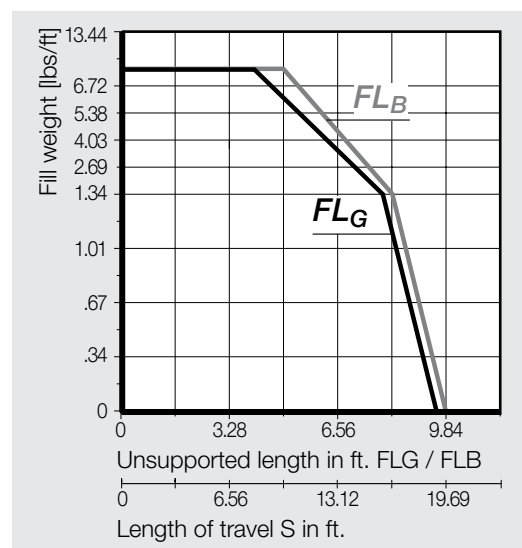
R (mm) | 2.95 (075) | 3.94 (100) | 4.92 (125) | 5.91 (150) | 7.87 (200) | 9.84 (250) | 11.81 (300) |

Rotating energy supply systems with Reverse Bend Radius (*RBR*) - some radii available from stock

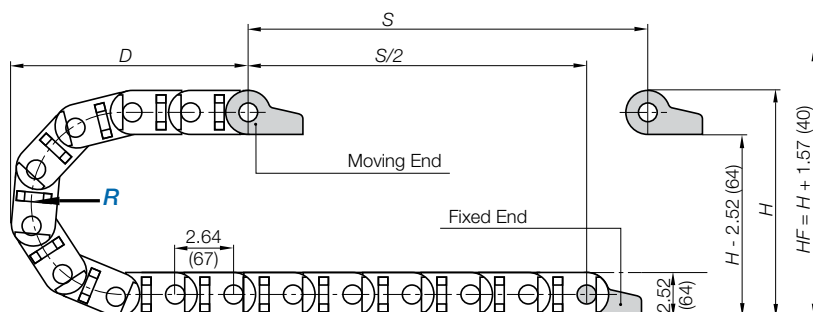
- Maximum rotation angle in minimal installation space
- Minimum displacement forces and maximum service life
- Short delivery times 24hrs, from stock

More information and the complete product range ► From page 132





Inner height in. (mm)	1.77 (45)
Pitch per link in. (mm)	2.64 (67)
Links/ft (m)	4.55 (15)
corresponds to (mm)	1,005
e-chain® length	$L_K = \frac{S}{2} + K$

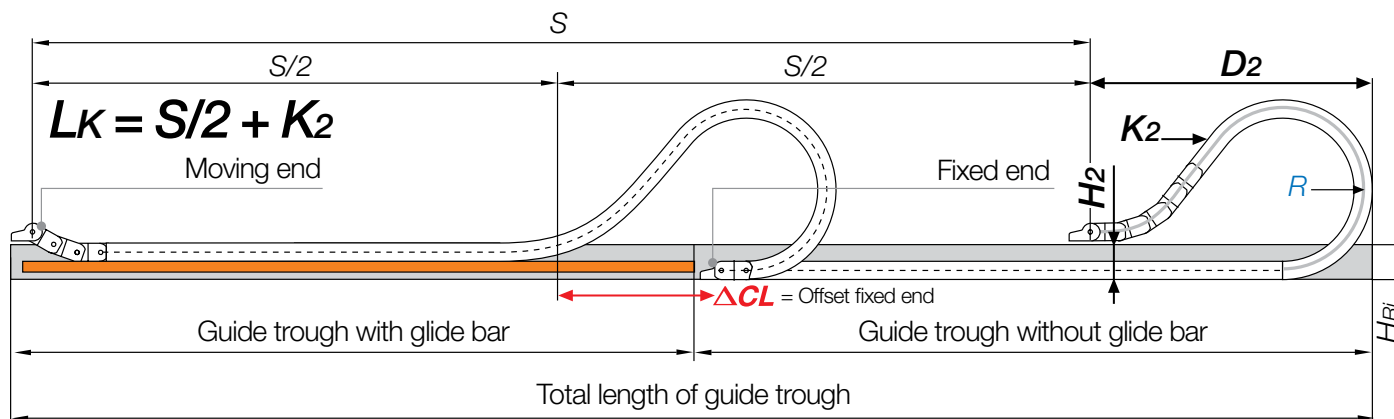


R	1.50 (075)	3.94 (100)	4.92 (125)	5.91 (150)	7.87 (200)	9.84 (250)	11.81 (300)
H	8.43 (214)	10.39 (264)	12.36 (314)	14.33 (364)	18.27 (464)	22.20 (564)	26.14 (664)
D	8.19 (208)	9.17 (233)	10.16 (258)	11.14 (283)	13.11 (333)	15.08 (383)	17.05 (433)
K	14.57 (370)	17.72 (450)	20.87 (530)	24.02 (610)	30.11 (765)	36.22 (920)	42.52 (1080)

The required clearance height: $H_r = H + 1.57$ in. (40 mm) with 1.68 lbs/ft (2.5 kg/m) fill weight.

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

Gliding applications | For travel lengths from 32.8 ft. (10m) to max. 492 ft. (150m)



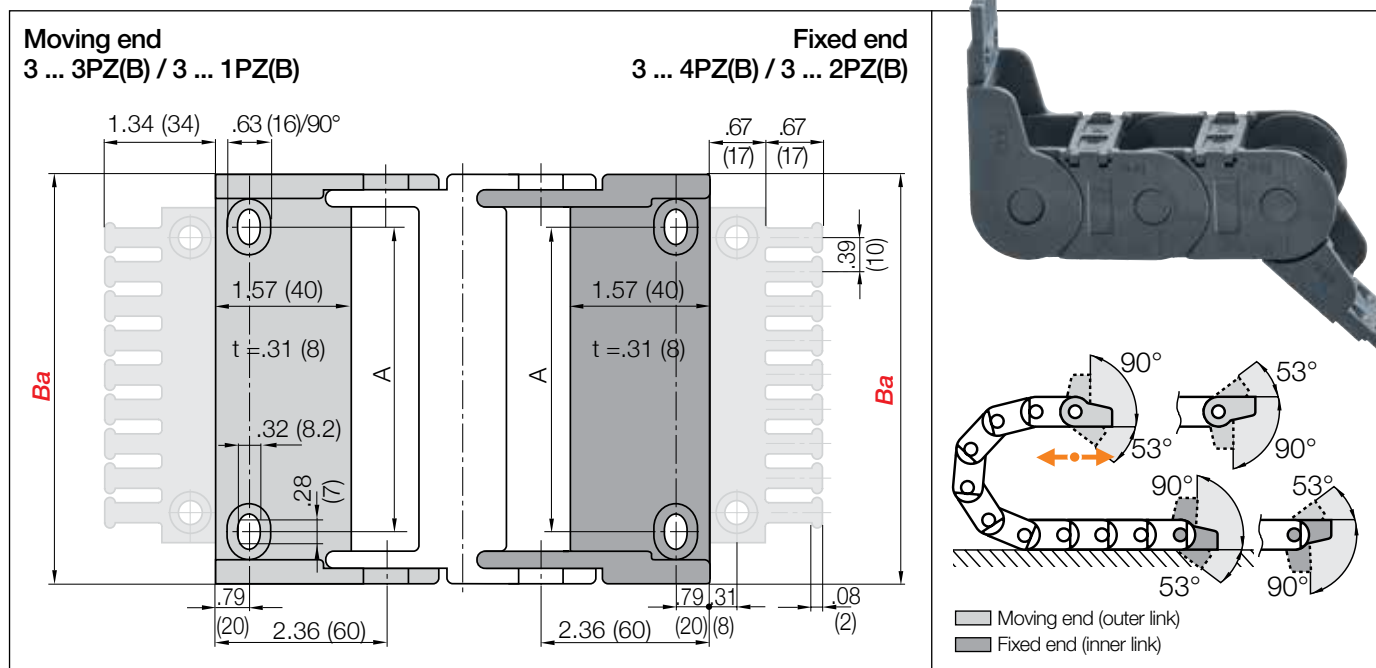
Note: Before using series 3400/3450/3480 on long travels please consult igus®.

For long travels, igus® recommends series 3500 openable along the outer radius.

In case of travels between 19.69 ft. (6m) and 32.81ft. (10m) we recommend an e-chain® with a longer unsupported length.

R	2.95 (075)	3.94 (100)	4.92 (125)	5.91 (150)	7.87 (200)	9.84 (250)	11.81 (300)
H _r	5.91 (150)	7.87 (200)	7.32 (186)	7.32 (186)	7.32 (186)	7.32 (186)	7.32 (186)
D _r	8.19 (208)	9.17 (233)	18.70 (475)	22.44 (570)	30.71 (780)	39.76 (1010)	45.28 (1150)
K _r	14.57 (370)	17.72 (450)	31.65 (804)	39.57 (1005)	52.76 (1340)	65.94 (1675)	76.50 (1943)
ΔCL	—	—	9.17 (233)	11.93 (303)	18.23 (463)	25.31 (643)	28.86 (733)

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

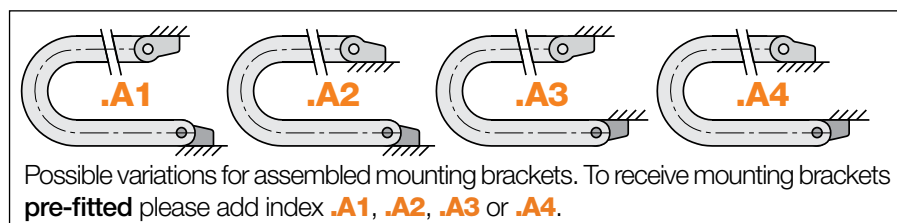


Polymer pivoting Polymer locking

Recommended for unsupported and gliding applications
Recommended for vertical hanging and standing applications

Width index	Part No. full set pivoting		Part No. full set locking		A in. (mm)	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates		
050. ▶	3050.34PZB	3050.34PZ	3050.12PZB	3050.12PZ	2.09 (28)	5
075. ▶	3075.34PZB	3075.34PZ	3075.12PZB	3075.12PZ	2.09 (53)	7
100. ▶	3100.34PZB	3100.34PZ	3100.12PZB	3100.12PZ	3.07 (78)	10
115. ▶	3115.34PZB	3115.34PZ	3115.12PZB	3115.12PZ	3.66 (93)	11
125. ▶	3125.34PZB	3125.34PZ	3125.12PZB	3125.12PZ	4.06 (103)	12
150. ▶	3150.34PZB	3150.34PZ	3150.12PZB	3150.12PZ	5.04 (128)	15
175. ▶	3175.34PZB	3175.34PZ	3175.12PZB	3175.12PZ	6.02 (153)	17
200. ▶	3200.34PZB	3200.34PZ	3200.12PZB	3200.12PZ	7.01 (178)	20
225. ▶	3225.34PZB	3225.34PZ	3225.12PZB	3225.12PZ	7.99 (203)	22
250. ▶	3250.34PZB	3250.34PZ	3250.12PZB	3250.12PZ	8.98 (228)	25

Full set with tiewrap plate + 10 cable tiewraps, please add index **K1**. Example: **3250.34PZBK1**

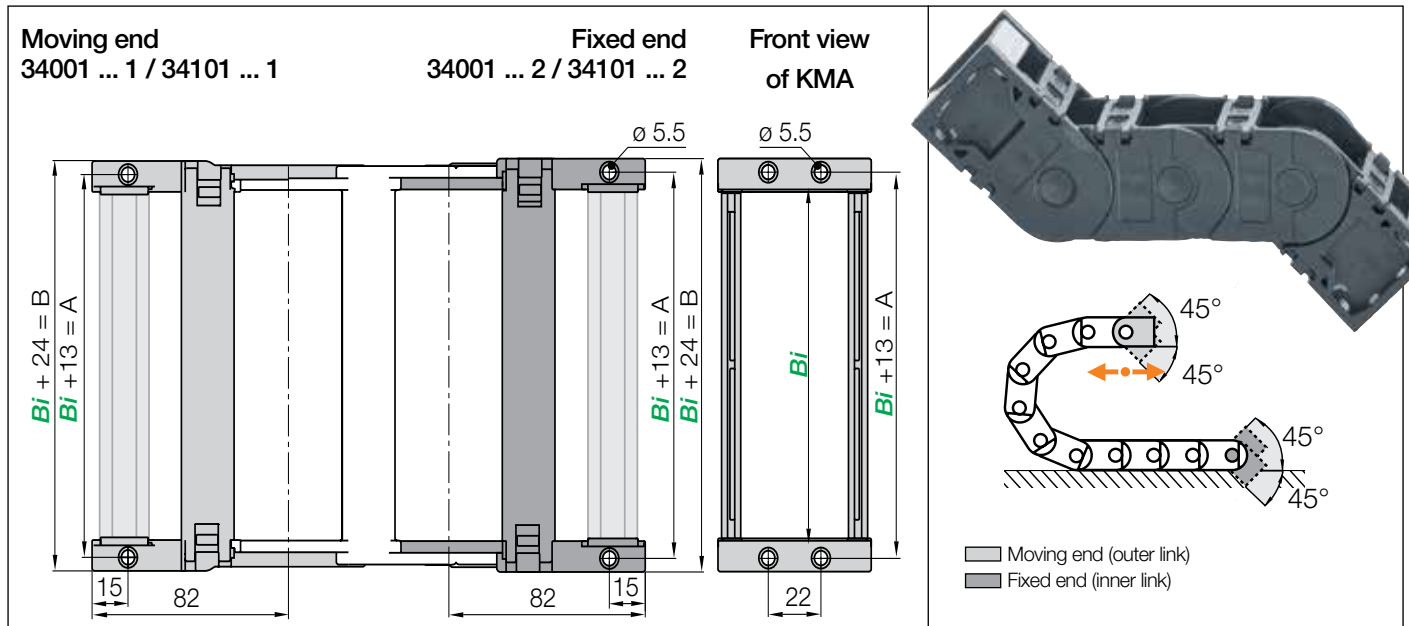


3075.34PZB.A1 Order example



Strain relief: clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1418

KMA mounting brackets | Attachment from any side | Pivoting | Locking

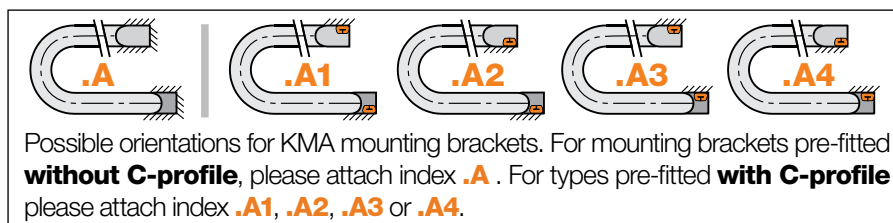


KMA pivoting | Recommended for unsupported and gliding applications
KMA locking | Recommended for vertical hanging and standing applications

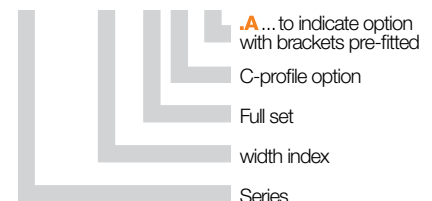
Width index	Part no. full set KMA pivoting		Part No. full set KMA locking		A	B
	with C-profile	Without C-profile	with C-profile	Without C-profile	in. (mm)	in. (mm)
050. ▶	34001.050.12.C	34001.050.12	34101.050.12.C	34101.050.12	2.48 (63)	2.91 (74)
075. ▶	34001.075.12.C	34001.075.12	34101.075.12.C	34101.075.12	3.46 (88)	3.90 (99)
100. ▶	34001.100.12.C	34001.100.12	34101.100.12.C	34101.100.12	4.45 (113)	4.88 (124)
115. ▶	34001.115.12.C	34001.115.12	34101.115.12.C	34101.115.12	5.04 (128)	5.47 (139)
125. ▶	34001.125.12.C	34001.125.12	34101.125.12.C	34101.125.12	5.43 (138)	5.87 (149)
150. ▶	34001.150.12.C	34001.150.12	34101.150.12.C	34101.150.12	6.42 (163)	6.85 (174)
175. ▶	34001.175.12.C	34001.175.12	34101.175.12.C	34101.175.12	7.04 (188)	7.83 (199)
200. ▶	34001.200.12.C	34001.200.12	34101.200.12.C	34101.200.12	8.38 (213)	8.82 (224)
225. ▶	34001.225.12.C	34001.225.12	34101.225.12.C	34101.225.12	9.37 (238)	9.80 (249)
250. ▶	34001.250.12.C	34001.250.12	34101.250.12.C	34101.250.12	10.35 (263)	10.79 (274)

Option: KMA one end pivoting to the inner or outer radius: moving end Part No. 34001 ... 3 / fixed end Part No. 34001 ... 4

(KMA = polymer metal mounting bracket)



34001.075.12.C.A2 Order example



Option: steel mounting bracket, locking. For e-chains® and e-tubes, Part No. 3000.12

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

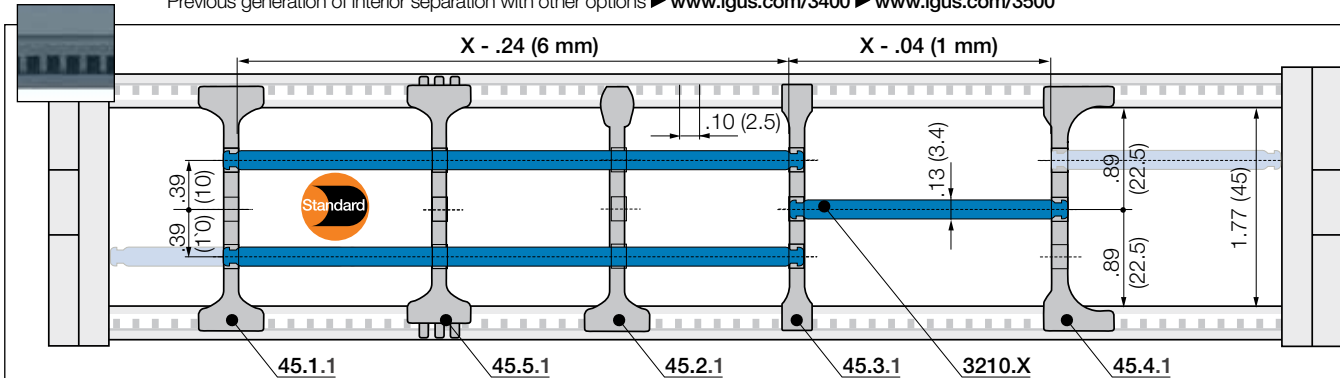


Strain relief: clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1418



3D CAD, configurators, service life calculation and more ▶ www.igus.com/e2/000

Interior separation | Increase cable service life

Previous generation of interior separation with other options ► www.igus.com/3400 ► www.igus.com/3500No lateral gap to side links necessary. As standard separators are fitted every 2nd e-chain® link!

Standard				Standard separator, wide base	
				unassembled	45.1
				assembled	45.1.1
				Notch separator for notched crossbar	
				unassembled	45.2
				assembled	45.2.1
				Notch separator for notched crossbar	
				unassembled	45.3
				assembled	45.3.1
				Notch separator for notched crossbar	
				unassembled	45.4
				assembled	45.4.1
				Notch separator for notched crossbar	
				unassembled	45.5
				assembled	45.5.1
				Shelf, lockable	
				unassembled	3200.X
				assembled	3210.X

Standard - for any application

Separator with a wide base for maximum holding force.

For even faster installation

Wide on one side for high holding force, narrow on opposite side for easy cable fitting.

For a large number of thin cables

Separator with a narrow base for a large number of thin cables side by side. Saves space.

For side-mounted applications

Asymmetrical separator, for defined gap distance. No additional spacers required.

Locks securely in preset increments

Notch separator for exact positioning. Recommended for side-mounted applications.

Horizontal separation

Full-width shelf locks securely into separators at both ends, giving a fixed width. Can be used as full-width or partial shelf.

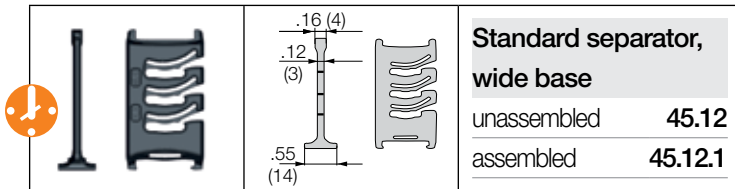
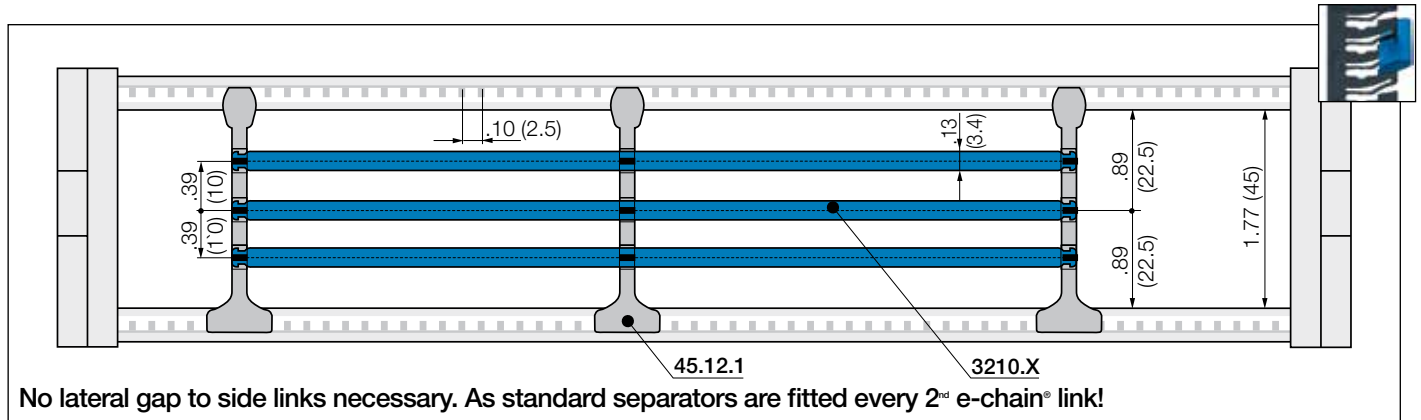
Shelves

Width = X in. (mm)



X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled
1.97 (050)	3200.050	3210.050	4.92 (125)	3200.125	3210.125	8.86 (225)	3200.225	3210.225
2.95 (075)	3200.075	3210.075	5.91 (150)	3200.150	3210.150	9.84 (250)	3200.250	3210.250
3.94 (100)	3200.100	3210.100	6.89 (175)	3200.175	3210.175			
4.53 (115)	3200.115	3210.115	7.87 (200)	3200.200	3210.200			

Interior separation | To allow faster filling



Lean separators¹⁾

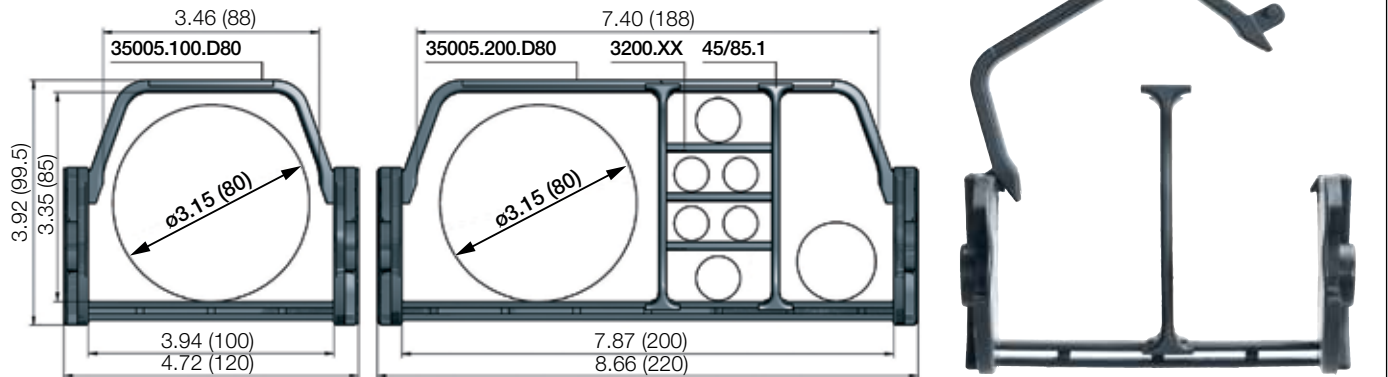
For quick fitting of shelves in several layers.

1) Note: Please combine maximum 4 lean separators with one shelf. Not suitable for side-mounted e-chains!

With the lean separator you can quickly insert several layers of cables into the e-chain® and reduce the installation time by up to 50%²⁾.

2) Lean interior separation vs. standard interior separation - measured on a 4m long e-chain® fitted with 12 cables in the igus® lab





e-chains® with extender crossbars - large increase of the interior space for the smooth guiding of large hoses.
Suitable for hoses with a maximum outer diameter of 3.15" (80mm).

Part No. e-chains® Extender crossbars openable along inner radius	Part No. e-chains® Extender crossbars openable along outer radius	<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)
3400.100D80.R.0	3500.100D80.R.0	3.94 (100)	4.72 (120)
3400.200D80.R.0	3500.200D80.R.0	7.87 (200)	8.66 (220)

*Radius 075 and 100 only possible with e-chains® series 3500, openable along outer radius!

Available bend radii

R (mm) | 2.95 (075)* | 3.94 (100) | 4.92 (125) | 5.91 (150) | 7.87 (200) | 9.84 (250) | 11.81 (300) |

Interior separation for e-chains® with extender crossbars

		Notch separator for notched crossbar unassembled 45/85.1 assembled 45/85.5.1
		Shelf, lockable unassembled 3200.X assembled 3210.X

Standard separator, wide base

Separator with a wide base for maximum holding force. As standard separators are fitted every 2nd e-chain® link!

Horizontal separation

Full-width shelf locks securely into separators at both ends, giving a fixed width. Can be used as full-width or partial shelf.

Separator with integrated strain relief teeth

- Can be integrated into the mounting bracket or placed at any point
- Combines strain relief and interior separation, for restricted space conditions
- Strain relief separator is easy to assemble without any screws

Part No. 301.Z - more information ► From page 1456



Steel support tray for support of the lower run

- Simple one-piece support trays for the lower run
- To your requirements and specification
- 4 options available

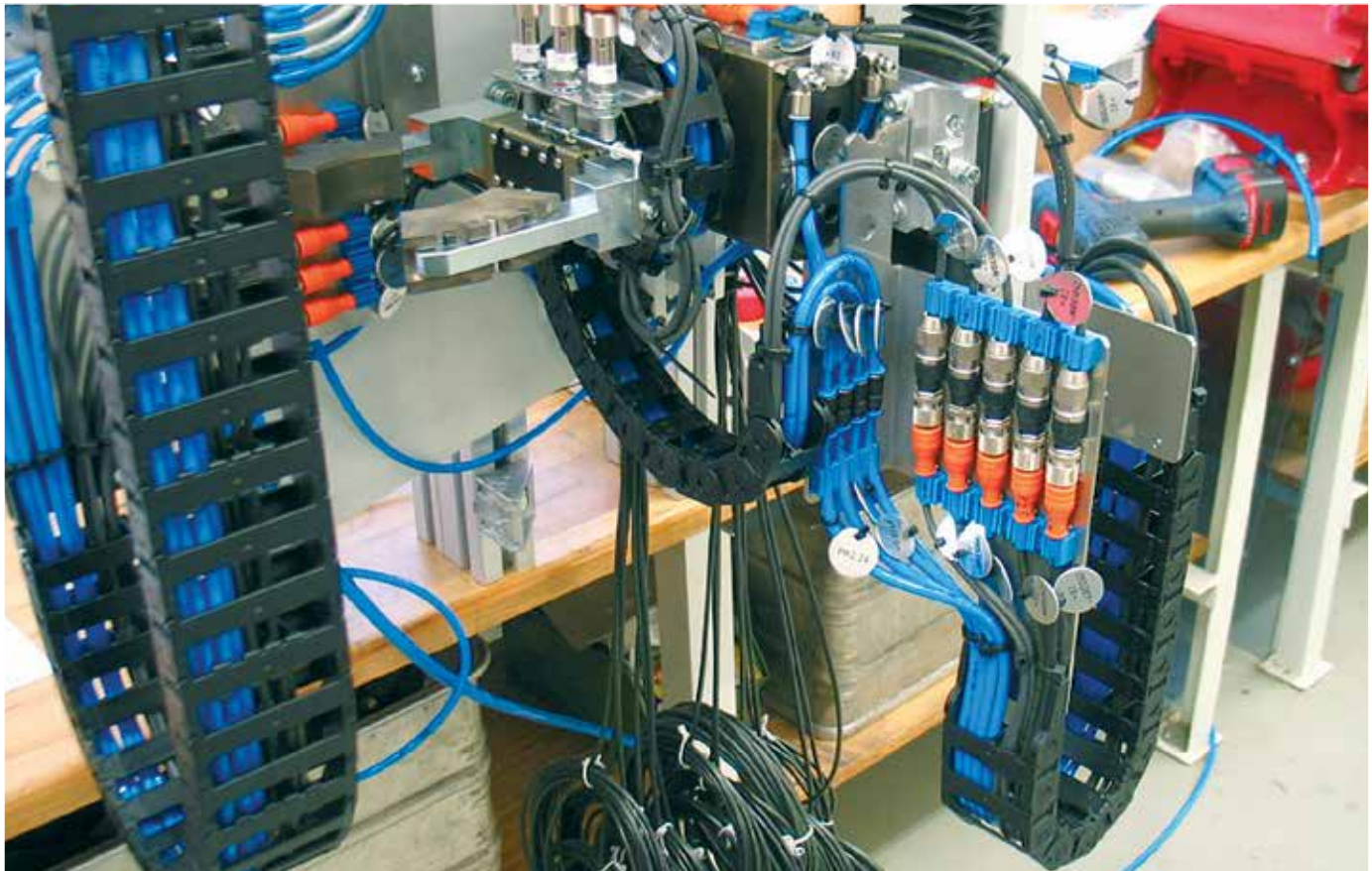
More information ► From page 1394



CFU strain relief with innovative honeycomb design

- Fast filling, openable from both sides for assembly in seconds
- Flexible honeycomb design for increased holding force
- Tribologically optimized honeycomb design for the best hold
- Universal use, compact, space-saving design

More information ► From page 1452



E2/000 - dirt-resistant e-chain®, which saves installation space - here in a machine tool for workpieces



Standard

Half e-tubes
Full e-tubes

Series 3450
Series 3480

Crossbars openable along inner radius from both sides, closed along outer radius

Lids openable along inner radius from both sides, fully enclosed

Part No. e-chains® openable along inner radius	Part No. e-chains® openable along inner radius	<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)	3450 lbs/ft. (kg/m)	3480 lbs/ft. (kg/m)
3450.050. <i>R</i> .0	3480.050. <i>R</i> .0	1.97 (50)	2.76 (70)	≈ 1.19 (1.77)	≈ 1.32 (1.96)
3450.075. <i>R</i> .0	3480.075. <i>R</i> .0	2.95 (75)	3.74 (95)	≈ 1.31 (1.95)	≈ 1.39 (2.07)
3450.100. <i>R</i> .0	3480.100. <i>R</i> .0	3.94 (100)	4.72 (120)	≈ 1.44 (2.15)	≈ 1.55 (2.30)
3450.115. <i>R</i> .0	3480.115. <i>R</i> .0	4.53 (115)	5.31 (135)	≈ 1.55 (2.30)	≈ 1.65 (2.46)
3450.125. <i>R</i> .0	3480.125. <i>R</i> .0	4.92 (125)	5.71 (145)	≈ 1.63 (2.42)	≈ 1.67 (2.49)
3450.150. <i>R</i> .0	3480.150. <i>R</i> .0	5.91 (150)	6.69 (170)	≈ 1.75 (2.60)	≈ 1.76 (2.62)
3450.175. <i>R</i> .0	3480.175. <i>R</i> .0	6.89 (175)	7.68 (195)	≈ 1.84 (2.75)	≈ 1.88 (2.80)
3450.200. <i>R</i> .0	3480.200. <i>R</i> .0	7.87 (200)	8.66 (220)	≈ 1.95 (2.90)	≈ 1.98 (2.94)
3450.225. <i>R</i> .0	3480.225. <i>R</i> .0	8.86 (225)	9.65 (245)	≈ 2.10 (3.12)	≈ 2.12 (3.15)
3450.250. <i>R</i> .0	3480.250. <i>R</i> .0	9.84 (250)	10.63 (270)	≈ 2.20 (3.28)	≈ 2.22 (3.30)

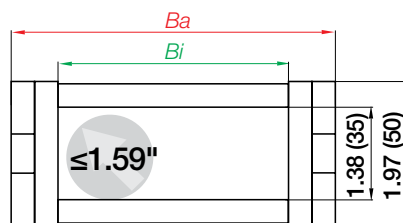
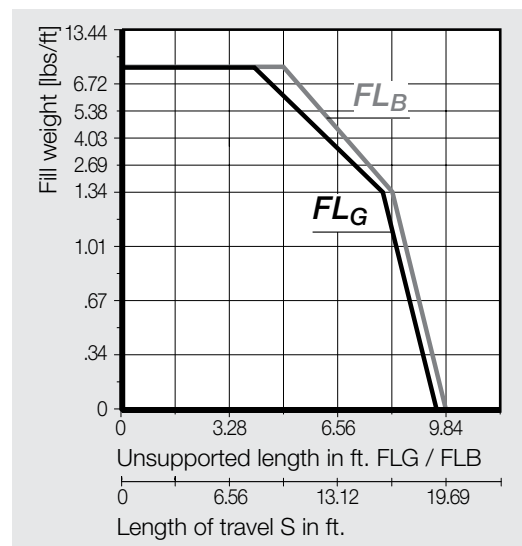
Complete Part No. with required radius (*R*). Example: 3450.075.200.0

Available bend radii

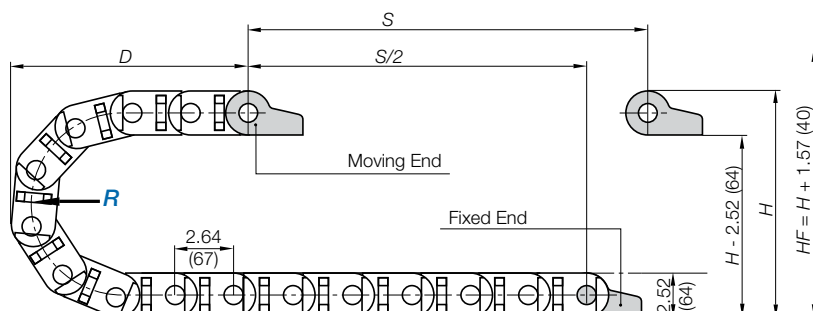
R (mm) | 4.92 (125) | 5.91 (150) | 7.87 (200) | 9.84 (250) | 11.81 (300) |

*Radius available upon request. Delivery time upon request.

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



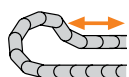
Inner height in. (mm)	1.77 (45)
Pitch per link in. (mm)	2.64 (67)
Links/ft (m)	4.55 (15)
corresponds to (mm)	1,005
e-chain* length	$L_K = \frac{S}{2} + K$



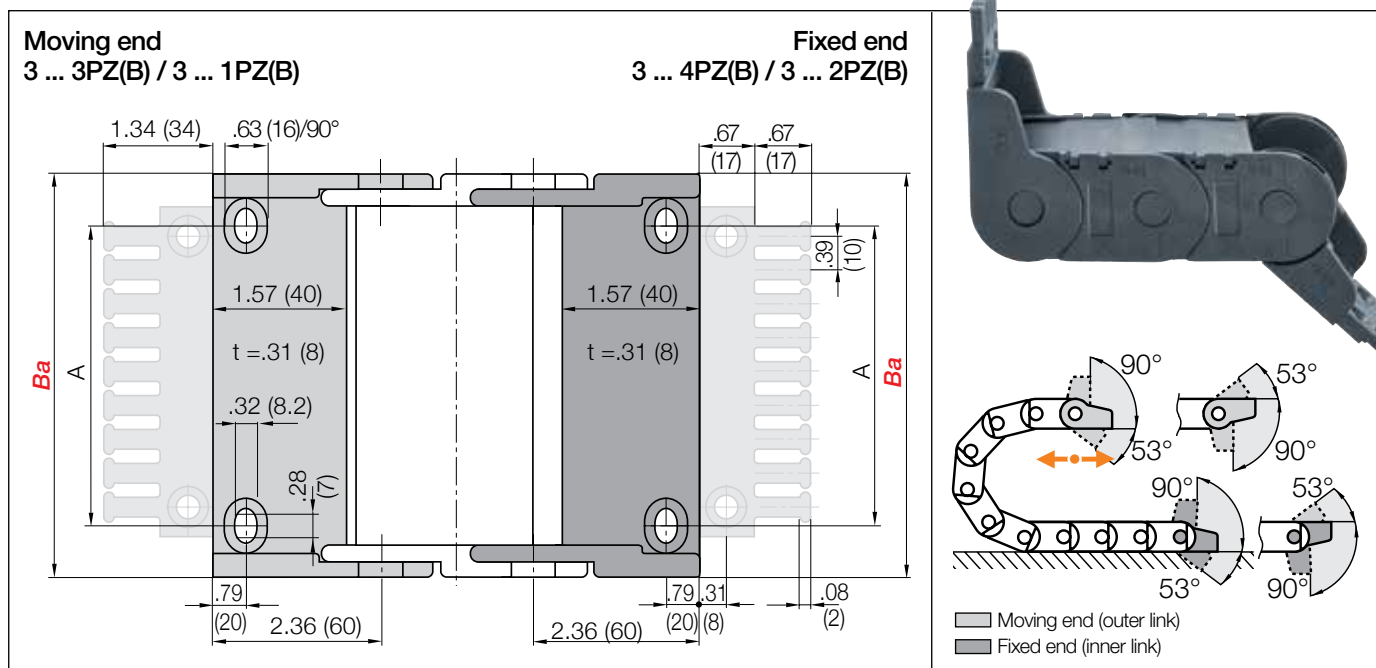
R	4.92 (125)	5.91 (150)	7.87 (200)	9.84 (250)	11.81 (300)
H	12.36 (314)	14.33 (364)	18.27 (464)	22.20 (564)	26.14 (664)
D	10.16 (258)	11.14 (283)	13.11 (333)	15.08 (383)	17.05 (433)
K	20.87 (530)	24.02 (610)	30.11 (765)	36.22 (920)	42.52 (1080)

The required clearance height: $H_f = H + 1.57$ in. (40 mm) with 1.68 lbs/ft (2.5 kg/m) fill weight.

*Radius available upon request. Delivery time upon request. Before using 3450/3480 series on long travels please consult igus®.



If a gliding application is required for a long travel, please consult igus®.

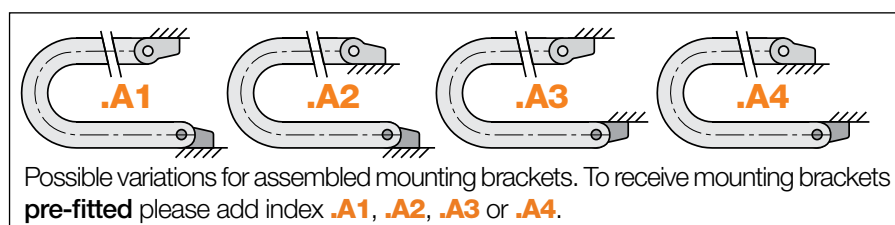


Polymer pivoting Polymer locking

Recommended for unsupported and gliding applications
Recommended for vertical hanging and standing applications

Width index	Part No. full set pivoting		Part No. full set locking		A in. (mm)	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates		
050. ▶	3050.34PZB	3050.34PZ	3050.12PZB	3050.12PZ	2.09 (28)	5
075. ▶	3075.34PZB	3075.34PZ	3075.12PZB	3075.12PZ	2.09 (53)	7
100. ▶	3100.34PZB	3100.34PZ	3100.12PZB	3100.12PZ	3.07 (78)	10
115. ▶	3115.34PZB	3115.34PZ	3115.12PZB	3115.12PZ	3.66 (93)	11
125. ▶	3125.34PZB	3125.34PZ	3125.12PZB	3125.12PZ	4.06 (103)	12
150. ▶	3150.34PZB	3150.34PZ	3150.12PZB	3150.12PZ	5.04 (128)	15
175. ▶	3175.34PZB	3175.34PZ	3175.12PZB	3175.12PZ	6.02 (153)	17
200. ▶	3200.34PZB	3200.34PZ	3200.12PZB	3200.12PZ	7.01 (178)	20
225. ▶	3225.34PZB	3225.34PZ	3225.12PZB	3225.12PZ	7.99 (203)	22
250. ▶	3250.34PZB	3250.34PZ	3250.12PZB	3250.12PZ	8.98 (228)	25

Full set with tiewrap plate + 10 cable tiewraps, please add index **K1**. Example: **3250.34PZBK1**



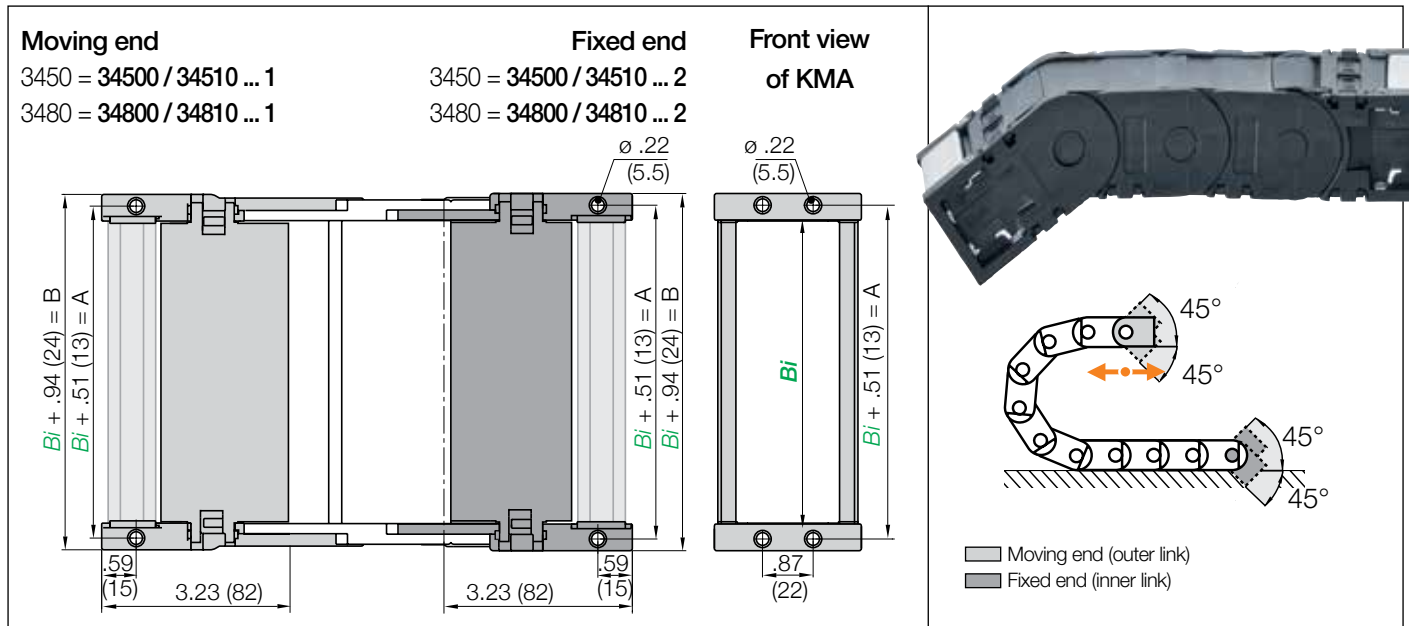
3075.34PZB.A1 Order example

.A... to indicate option with brackets pre-fitted
With integrated strain relief tiewrap plates
Full set
Series



Strain relief: clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1418

KMA mounting brackets | Attachment from any side | Pivoting | Locking



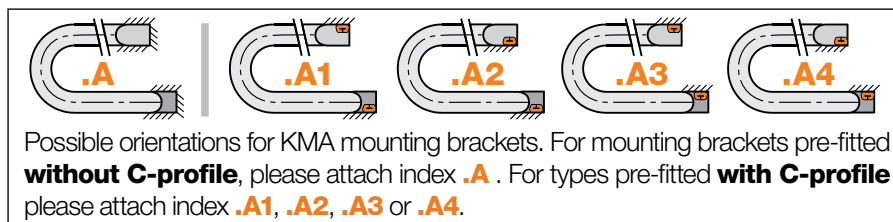
KMA pivoting | Recommended for unsupported and gliding applications
KMA locking | Recommended for vertical hanging and standing applications

Width index	Part No. full set KMA pivoting ^a		Part No. full set KMA locking ^a		A in. (mm)	B in. (mm)
	with C-profile	Without C-profile	with C-profile	Without C-profile		
050. ▶	34500 34800.050.12.C	34500 34800.050.12	34510 34810.050.12.C	34510 34810.050.12	2.48 (63)	2.91 (74)
075. ▶	34500 34800.075.12.C	34500 34800.075.12	34510 34810.075.12.C	34510 34810.075.12	3.46 (88)	3.90 (99)
100. ▶	34500 34800.100.12.C	34500 34800.100.12	34510 34810.100.12.C	34510 34810.100.12	4.45 (113)	4.88 (124)
115. ▶	34500 34800.115.12.C	34500 34800.115.12	34510 34810.115.12.C	34510 34810.115.12	5.04 (128)	5.47 (139)
125. ▶	34500 34800.125.12.C	34500 34800.125.12	34510 34810.125.12.C	34510 34810.125.12	5.43 (138)	5.87 (149)
150. ▶	34500 34800.150.12.C	34500 34800.150.12	34510 34810.150.12.C	34510 34810.150.12	6.42 (163)	6.85 (174)
175. ▶	34500 34800.175.12.C	34500 34800.175.12	34510 34810.175.12.C	34510 34810.175.12	7.04 (188)	7.83 (199)
200. ▶	34500 34800.200.12.C	34500 34800.200.12	34510 34810.200.12.C	34510 34810.200.12	8.38 (213)	8.82 (224)
225. ▶	34500 34800.225.12.C	34500 34800.225.12	34510 34810.225.12.C	34510 34810.225.12	9.37 (238)	9.80 (249)
250. ▶	34500 34800.250.12.C	34500 34800.250.12	34510 34810.250.12.C	34510 34810.250.12	10.35 (263)	10.79 (274)

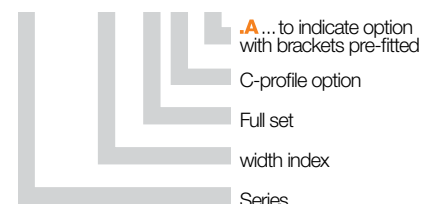
1) KMA pivoting Part No. 34500 for half e-tube series 3450 / KMA pivoting Part No. 34800 for full e-tube series 3480

2) KMA locking Part No. 34510 for half e-tube series 3450 / KMA locking Part No. 34810 for full e-tube series 3480

(KMA = polymer metal mounting bracket)



34500.075.12.C.A2 Order example



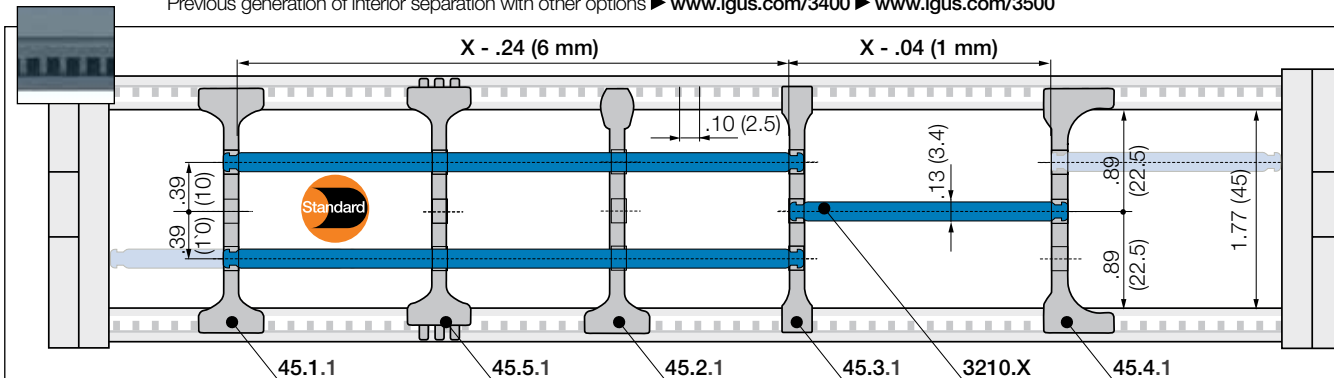
Option: steel mounting bracket, locking. For e-chains® and e-tubes, Part No. 3000.12

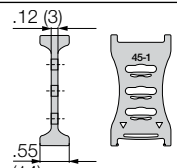
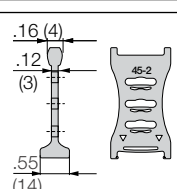
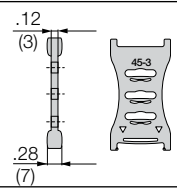
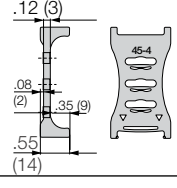
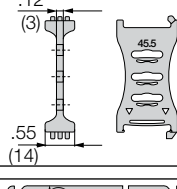
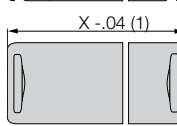
● Locking connections ● One part (2-piece) for all e-chain® widths ● Electrically conductive



Strain relief: clamps, tiwrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1418

Interior separation | Increase cable service life

Previous generation of interior separation with other options ► www.igus.com/3400 ► www.igus.com/3500No lateral gap to side links necessary. As standard separators are fitted every 2nd e-chain® link!

		Standard separator, wide base unassembled 45.1 assembled 45.1.1
		Notch separator for notched crossbar unassembled 45.2 assembled 45.2.1
		Notch separator for notched crossbar unassembled 45.3 assembled 45.3.1
		Notch separator for notched crossbar unassembled 45.4 assembled 45.4.1
		Notch separator for notched crossbar unassembled 45.5 assembled 45.5.1
		Shelf, lockable unassembled 3200.X assembled 3210.X

Standard - for any application

Separator with a wide base for maximum holding force.

For even faster installation

Wide on one side for high holding force, narrow on opposite side for easy cable fitting.

For a large number of thin cables

Separator with a narrow base for a large number of thin cables side by side. Saves space.

For side-mounted applications

Asymmetrical separator, for defined gap distance. No additional spacers required.

Locks securely in preset increments

Notch separator for exact positioning. Recommended for side-mounted applications.

Horizontal separation

Full-width shelf locks securely into separators at both ends, giving a fixed width. Can be used as full-width or partial shelf.

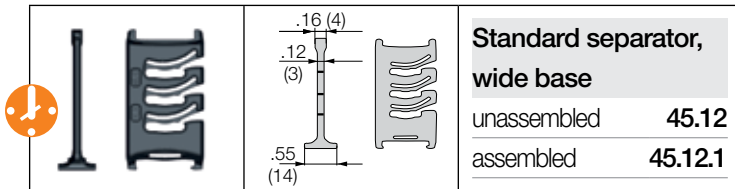
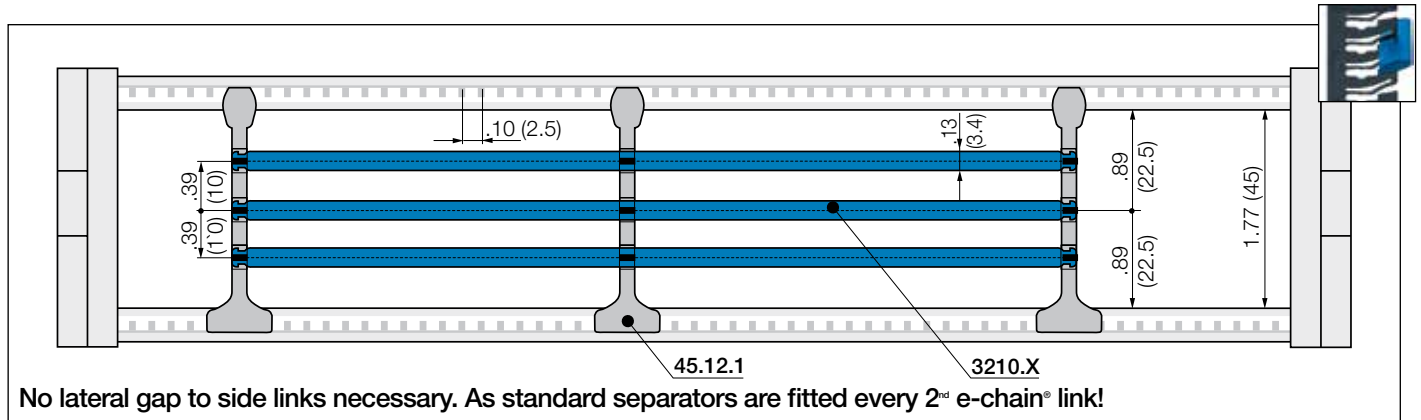
Shelves

Width = X in. (mm)



X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled
1.97 (050)	3200.050	3210.050	4.92 (125)	3200.125	3210.125	8.86 (225)	3200.225	3210.225
2.95 (075)	3200.075	3210.075	5.91 (150)	3200.150	3210.150	9.84 (250)	3200.250	3210.250
3.94 (100)	3200.100	3210.100	6.89 (175)	3200.175	3210.175			
4.53 (115)	3200.115	3210.115	7.87 (200)	3200.200	3210.200			

Interior separation | To allow faster filling



Lean separators¹⁾

For quick fitting of shelves in several layers.

1) Note: Please combine maximum 4 lean separators with one shelf. Not suitable for side-mounted e-chains!

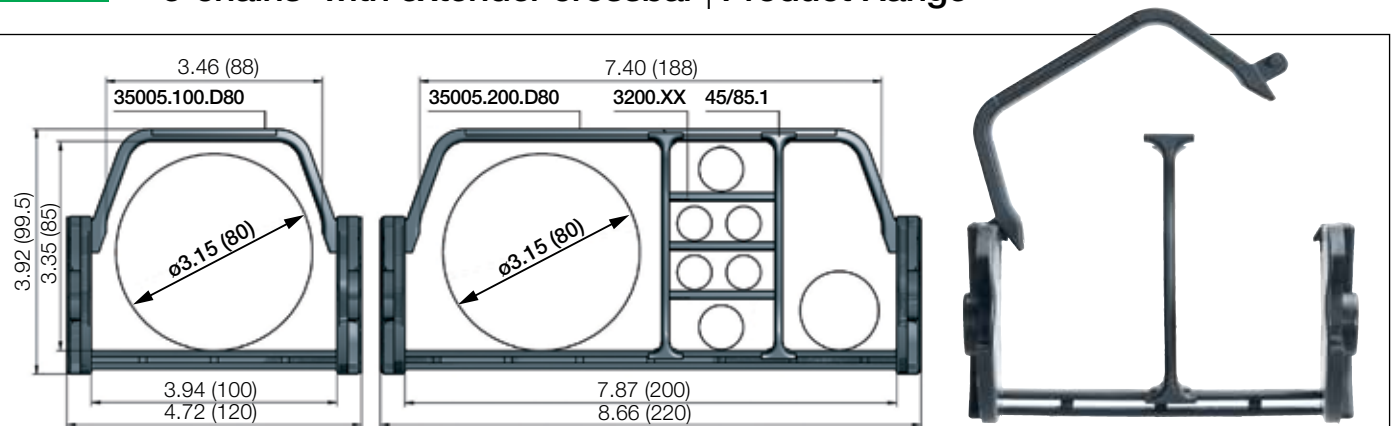
With the lean separator you can quickly insert several layers of cables into the e-chain® and reduce the installation time by up to 50%²⁾.

2) Lean interior separation vs. standard interior separation - measured on a 4m long e-chain® fitted with 12 cables in the igus® lab



E2/000 | e-tubes 3450 | Accessories

e-chains® with extender crossbar | Product Range



e-chains® with extender crossbars - large increase of the interior space for the smooth guiding of large hoses.
Suitable for hoses with a maximum outer diameter of 3.15" (80mm).

Part No. e-chains®	<i>Bi</i>	<i>Ba</i>
Extender crossbars		
openable along inner radius	in. (mm)	in. (mm)
3450.100D80.R.0	3.94 (100)	4.72 (120)
3450.200D80.R.0	7.87 (200)	8.66 (220)

Available bend radii

R (mm) | 4.92 (125) | 5.91 (150) | 7.87 (200) | 9.84 (250) | 11.81 (300) |

Complete Part No. with required radius (R). Example: 3450.100D80.200.0

Interior separation for e-chains® with extender crossbars

		Notch separator for notched crossbar unassembled 45/85.1 assembled 45/85.5.1
		Shelf, lockable unassembled 3200.X assembled 3210.X

Standard separator, wide base

Separator with a wide base for maximum holding force. As standard separators are fitted every 2nd e-chain® link!

Horizontal separation

Full-width shelf locks securely into separators at both ends, giving a fixed width. Can be used as full-width or partial shelf.

Separator with integrated strain relief teeth

- Can be integrated into the mounting bracket or placed at any point
- Combines strain relief and interior separation, for restricted space conditions
- Strain relief separator is easy to assemble without any screws

Part No. 34501.Z - more information ► From page 1456



Steel support tray for support of the lower run

- Simple one-piece support trays for the lower run
- To your requirements and specification
- 4 options available

More information ► From page 1394



CFU strain relief with innovative honeycomb design

- Fast filling, openable from both sides for assembly in seconds
- Flexible honeycomb design for increased holding force
- Tribologically optimized honeycomb design for the best hold
- Universal use, compact, space-saving design

More information ► From page 1452



E2/000 - robust energy supply even with constant air draught and the resulting pendulum movements in this 525 ft. (160m) lift for the Post Tower, Bonn



e-chains® | Series 255 | Crossbars openable along the outer radius, from one side

Part No. e-chains® openable along inner radius	<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)	3400 lbs/ft. (kg/m)
255.03. <i>R</i> .0	1.50 (38)	2.13 (54)	≈ 0.54 (0.81)
255.05. <i>R</i> .0	2.24 (57)	2.87 (73)	≈ 0.60 (0.90)
255.07. <i>R</i> .0	3.03 (77)	3.66 (93)	≈ 0.68 (1.01)
255.10. <i>R</i> .0	4.06 (103)	4.69 (119)	≈ 0.77 (1.15)

Complete Part No. with required radius (*R*). Example: 255.10.200.0

Available bend radii

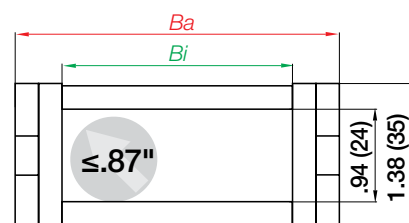
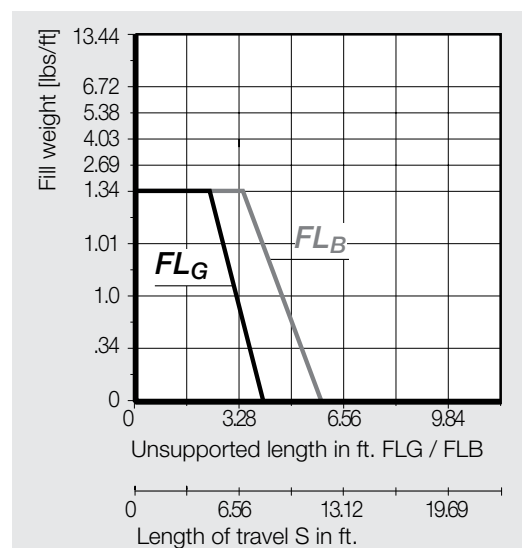
R (mm) | 2.17 (055) | 2.95 (075) | 3.94 (100) | 4.92 (125) | 5.91 (150) | 6.89 (175) | 7.87 (200) | 886 (225) | 9.84 (250) |

Aluminum support tray

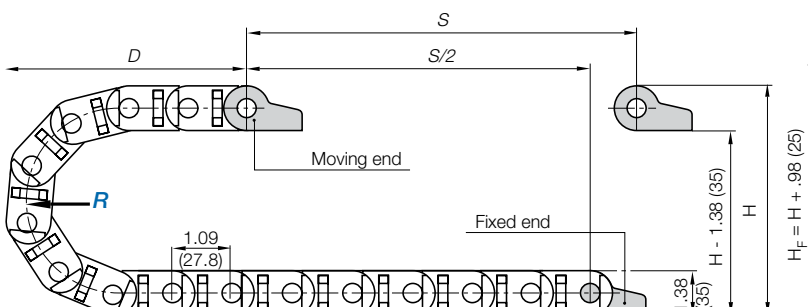
- Corrosion-resistant and seawater-resistant aluminum rails with adjustable width
- Noise-reducing glide strip integrated as standard
- Easy installation and connection of the e-chain®
- Open design - dirt and debris fall through

More information ► From page 1400





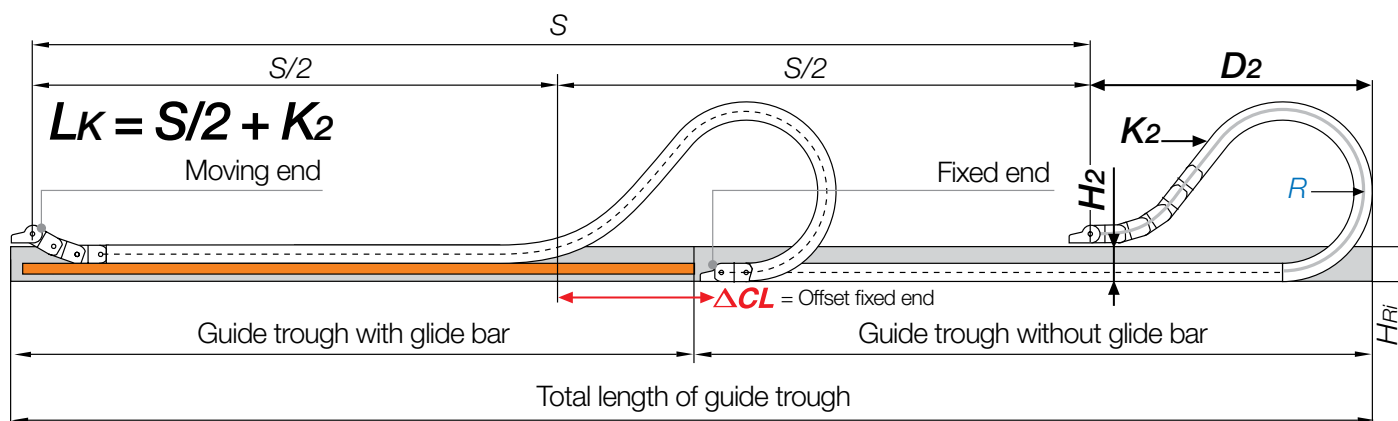
Inner height in. (mm)	.94 (24)
Pitch per link in. (mm)	1.09 (27.8)
Links/ft (m)	11 (36)
corresponds to (mm)	1,008
e-chain® length	$L_K = \frac{S}{2} + K$



R	2.17 (055)	2.95 (075)	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	8.86 (225)	9.84 (250)
H	5.71 (145)	7.28 (185)	9.25 (235)	11.22 (285)	13.19 (335)	15.16 (385)	17.13 (435)	19.09 (485)	21.06 (535)
D	4.48 (114)	5.28 (134)	6.26 (159)	7.24 (184)	8.23 (209)	9.21 (234)	10.20 (259)	11.18 (284)	12.17 (309)
K	9.06 (230)	11.61 (295)	14.57 (370)	17.72 (450)	20.87 (530)	24.02 (610)	26.97 (685)	30.12 (765)	33.27 (845)

The required clearance height: $H_F = H + .98$ in. (25 mm) with 1.01 lbs/ft (1.5 kg/m) fill weight.

Gliding applications | For travel lengths from 32.8 ft. (10m) to max. 394 ft. (100m)

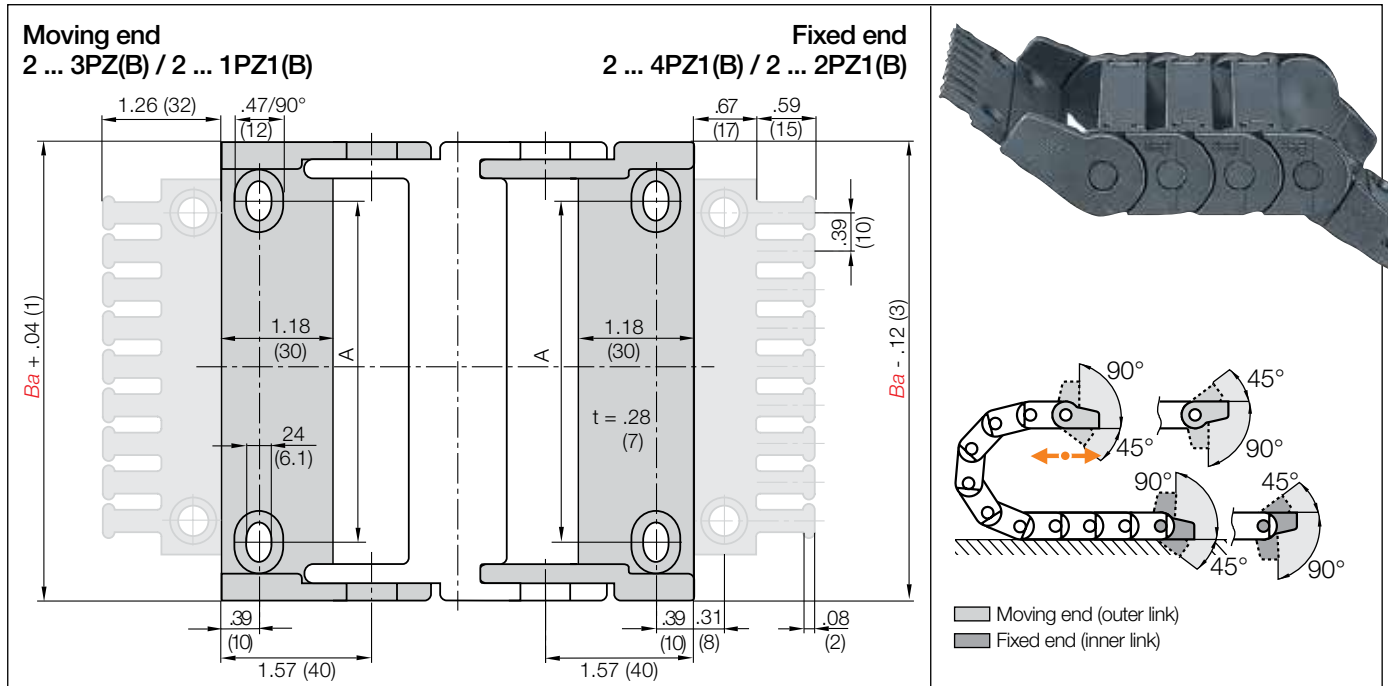


Note: We recommend the project planning of such a system to be carried out by igus®.

In case of travels between 13.12 ft. (4m) and 32.81ft. (10m) we recommend an e-chain® with a longer unsupported length.

R	2.17 (055)	2.95 (075)	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	8.86 (225)	9.84 (250)
H ₂	4.33 (110)	5.91 (150)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)
D ₂	4.49 (114)	5.28 (134)	14.96 (380)	19.49 (495)	22.44 (570)	26.18 (665)	29.13 (740)	40.94 (1040)	44.49 (1130)
K ₂	9.06 (230)	11.61 (295)	24.09 (612)	31.73 (806)	37.20 (945)	43.78 (1112)	48.15 (1223)	63.39 (1610)	70.04 (1779)
ΔCL	—	—	8.74 (222)	12.68 (322)	14.65 (372)	17.20 (437)	19.57 (497)	*	32.36 (822)

*upon request

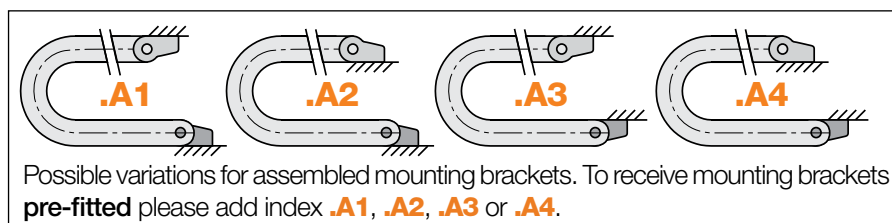


Polymer pivoting
Polymer locking

Recommended for unsupported and gliding applications
Recommended for vertical hanging and standing applications

Width index	Part No. full set pivoting		Part No. full set locking		A in. (mm)	Number of teeth
	with tiewrap plates	without tiewrap plates	with tiewrap plates	without tiewrap plates		
03. ▶	2030.34PZ1B	2030.34PZ1	2030.12PZ1B	2030.12PZ1	.98 (25)	4
05. ▶	2050.34PZ1B	2050.34PZ1	2050.12PZ1B	2050.12PZ1	1.73 (44)	6
07. ▶	2070.34PZ1B	2070.34PZ1	2070.12PZ1B	2070.12PZ1	2.52 (64)	8
10. ▶	2100.34PZ1B	2100.34PZ1	2100.12PZ1B	2100.12PZ1	3.54 (90)	10

Full set with tiewrap plate + 10 cable tiewraps, please add index **K1**. Example: **2030.34PZBK1**

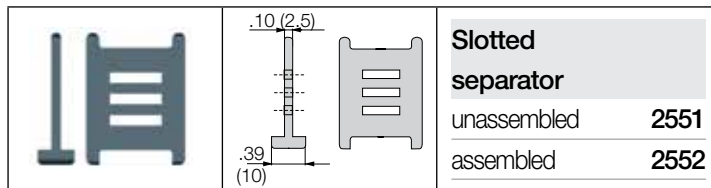
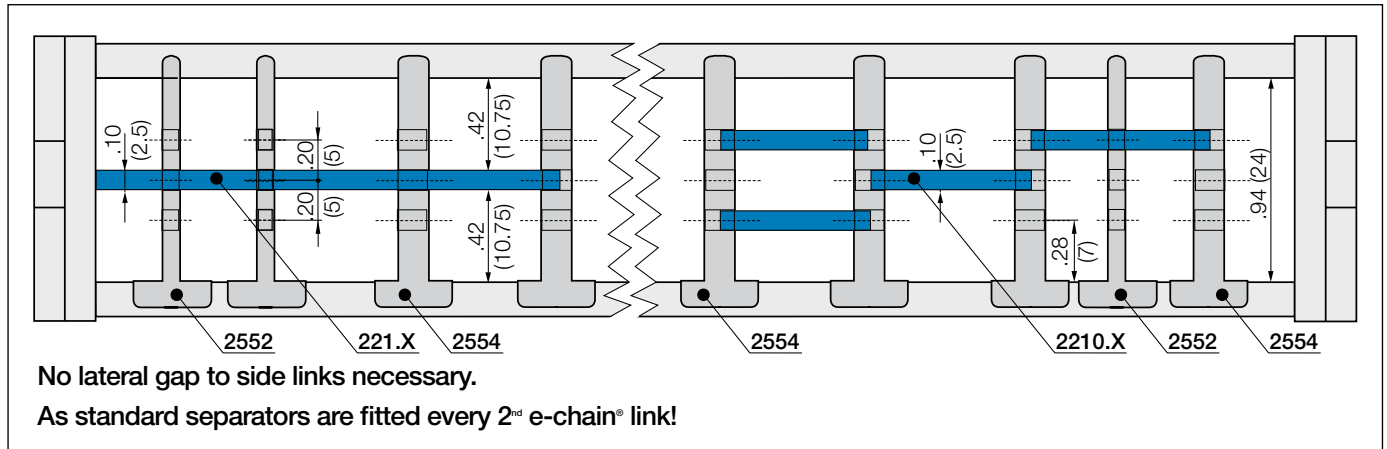


2100.34PZ1B.A1 Order example
 .A... to indicate option with brackets pre-fitted
 With integrated strain relief tiewrap plates
 Full set
 Series



Strain relief: clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1418

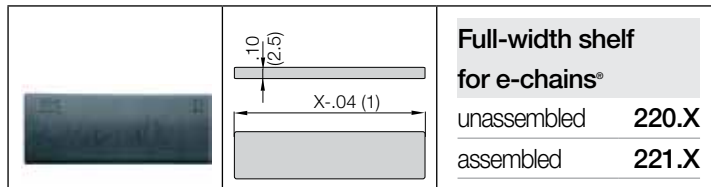
Interior separation | Option 1 | Option 2



Option 1 | Full-width shelves

Slotted separator

Vertical separation in e-chains®. The slot allows basic vertical/horizontal shelving arrangements.



Full-width shelf

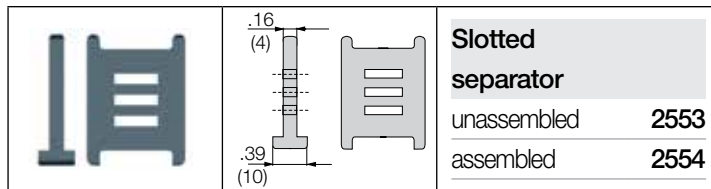
This option is for applications with many small cables with similar diameters. For full-width separation.

Full-width shelves

Width = X [mm]



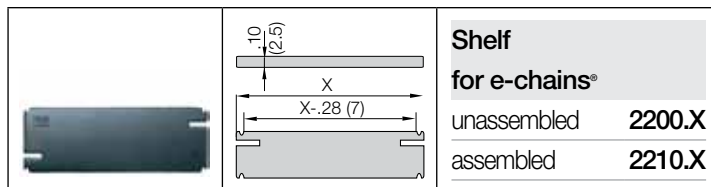
X [mm]	unassembled	assembled	X [mm]	unassembled	assembled
1.50 (038)	220.38	221.38	3.03 (077)	220.77	221.77
2.24 (057)	220.57	221.57	4.06 (103)	220.88	221.103



Option 2 | Shelves

Slotted separator

Vertical separation in e-chains®. The slot allows basic vertical/horizontal shelving arrangements.



Shelf

For applications involving many cables with different diameters, shelves can be fitted at different heights.

Shelves

Width = X [mm]



X [mm]	unassembled	assembled	X [mm]	unassembled	assembled	X [mm]	unassembled	assembled
0.71 (018)	2200.18	2210.18	1.50 (038)	2200.38	2210.38	2.68 (068)	2200.68	2210.68
0.91 (023)	2200.23	2210.23	1.69 (043)	2200.43	2210.43	2.87 (073)	2200.73	2210.73
1.10 (028)	2200.28	2210.28	1.89 (048)	2200.48	2210.48	3.46 (088)	2200.88	2210.88
1.30 (033)	2200.33	2210.33	2.28 (058)	2200.58	2210.58	3.90 (099)	2200.99	2210.99