



R2.1

Protection against dust and dirt ingress and quickly openable



Advantages of the R2.1 system:

- Very light, ideal for high dynamics
- Large inner height
- Cost-effective
- Cables are protected from chips
- Easy to fill, lids openable along the inner or outer radius, from both sides
- Low noise operation due to integrated brake
- Integrated separator, recommended for side-mounted applications



When to use another e-tube:

- Extremely chip-resistant according to IP40
 - ▶ RX e-tubes, page 524
- For higher fill weights and unsupported lengths
 - ▶ R4.1L e-tubes, page 546



reddot design award
winner 2018



Sealed and universal:
enclosed KMA mounting
bracket with attachment
from any side

Edge-free:
smooth design, c\ chips cannot stick

Fast assembly:
lids openable
along the inner
or outer radius,
from both sides

Integrated
separator notches:
recommended
for side-mounted
applications

Protected:
covered pin/bore
connection

Quiet operation:
due to integrated brake

Light with a large
inner height:
good ratio of outer to
inner dimensions

Strong:
double stop-dog
system for long
unsupported lengths

Protection against dust and dirt ingress and quickly openable - R2.1

Cost-effective, robust e-tubes with an inner height of 1.02" (26mm), 1.57" (40mm), 1.89" (48mm) or 2.95" (75mm). Openable and removable lids along inner or outer radius, openable from both sides. Designed to provide a tight seal, with strong double stop-dogs for high fill weights and unsupported lengths.

- Large inner height and therefore cost-effective
- Cables are protected from chips
- Easy to fill, lids openable from both sides along the inner or outer radius
- Low noise operation due to integrated brake
- Integrated separator, recommended for side-mounted applications

Typical industries and applications

- Machine tools
- Wood processing machines
- Textile machines
- General mechanical engineering
- In all areas with dirt and chips



e-tubes made from igumid HT material for hot chips of up to +1562 °F available upon request



Electrically conductive ESD e-tubes upon request



UL94-V0 classification upon request



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R2.1 e-tubes | Selection table

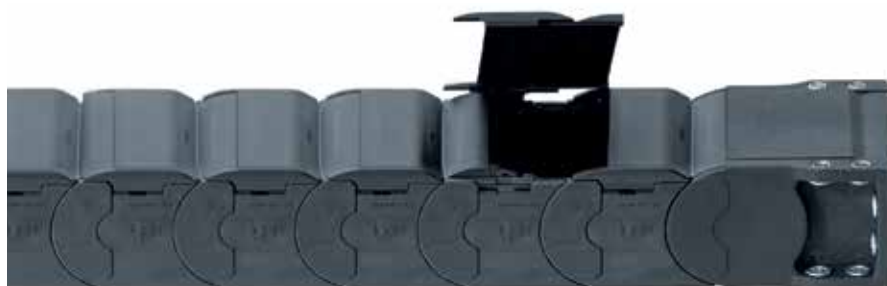
Series	Inner height		Inner width		Outer width		Outer height		Bending radius		Unsupported length
	hi		Bi		Ba		ha		R		≤ ft. (m)
	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	



R2i.1 e-tubes -

lids openable along the inner radius, from both sides

R2i.26	1.02	(26)	.98-2.95	(25-75)	1.61-3.58	(41-91)	1.42	(36)	2.36-9.84	(060-250)	6.56 (2.00)
R2i.40	1.57	(40)	1.97-6.89	(50-175)	2.61-7.53	(66.2-191.2)	2.13	(54)	3.15-9.84	(080-250)	9.02 (2.75)
R2i.48	1.89	(48)	3.94-9.84	(100-250)	4.72-10.63	(120-270)	2.52	(64)	3.94-9.84	(100-250)	9.02 (2.75)



R2.1 e-tubes -

lids openable along the outer radius, from both sides

R2.26	1.02	(26)	1.97-3.94	(50-100)	2.60-4.57	(66-116)	1.42	(36)	2.36-9.84	(060-250)	6.56 (2.00)
R2.40	1.57	(40)	2.95-6.89	(75-175)	3.59-7.53	(91.2-191.2)	2.13	(54)	3.15-9.84	(080-250)	9.02 (2.75)
R2.48	1.89	(48)	3.94-9.84	(100-250)	4.72-10.63	(120-270)	2.52	(64)	2.95-9.84	(075-250)	9.02 (2.75)
R2.75	2.95	(75)	4.37-7.87	(111-200)	5.31-8.82	(135-224)	3.54	(90)	5.12-9.84	(130-250)	9.84 (3.00)



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

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



Ideal for areas with chips - R2.1 e-tubes are extremely tightly sealed

R2.1 e-tubes | Features | Accessories



R2.1L e-tubes - lids with integrated separator notches openable along the inner and outer radius, either both sides



Pivoting and locking KMA mounting brackets for strong connection of the e-tube to the machine



Ideal for areas with chips - R2.1 e-tubes are extremely tightly sealed



Special brake in the stop-dogs reduces noise level by up to 3dB(A)



Aluminum support trays for support of the lower run ► **From page 1400**



Lean separators enable extremely fast cable filling in several layers

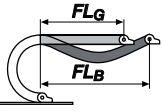
R2.1 e-tubes | Technical data | Overview

Technical data



Speed gliding¹⁾ / acceleration gliding¹⁾

upon request



Speed FL_G / acceleration FL_G

$\leq 32.8 \text{ ft/s (10 m/s) } / \leq 328 \text{ ft/s}^2 (100 \text{ m/s}^2)$

Speed FL_B / acceleration FL_B

$\leq 9.84 \text{ ft. (3 m/s) } / \leq 19.69 \text{ ft/s}^2 (6 \text{ m/s}^2)$



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

Installation types, maximum travels

Series	 Unsupported	 Vertical hanging	 Vertical standing	 Side mounted unsupported
R2.26/R2i.26	$\leq 13.12 \text{ ft.}$ (4.0m)	$\leq 98.43 \text{ ft.}$ (30m)	$\leq 6.56 \text{ ft.}$ (2.0m)	$\leq 2.30 \text{ ft.}$ (0.7m)
R2.40/R2i.40	$\leq 18.05 \text{ ft.}$ (5.5m)	$\leq 131.24 \text{ ft.}$ (40m)	$\leq 9.84 \text{ ft.}$ (3.0m)	$\leq 3.28 \text{ ft.}$ (1.0m)
R2.48/R2i.48	$\leq 18.05 \text{ ft.}$ (5.5m)	$\leq 164.05 \text{ ft.}$ (50m)	$\leq 9.84 \text{ ft.}$ (3.0m)	$\leq 3.28 \text{ ft.}$ (1.0m)
R2.75	$\leq 19.69 \text{ ft.}$ (6.0m)	$\leq 164.05 \text{ ft.}$ (50m)	$\leq 16.41 \text{ ft.}$ (5.0m)	$\leq 6.56 \text{ ft.}$ (2.0m)

R2.1 e-tubes | Options and order keys

Options with order keys | Examples based on series R2.75



Standard

NC version -
(No Camber)
without pretension

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

ESD - electrically
conductive
material

Part No.
Standard



Part No.
NC version



Part No.
igumid DT



Part No.
igumid ESD³⁾



R2.75.111.R.0

R2.75.111.R.0.NC

R2.75.111.R.0.HT

R2.75.111.R.0.ESD



Orders ship as
early as today*

Ready to ship
in 5 business days*

Ready to ship
in 6 weeks*

Delivery time
upon request

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

Order example | Order key and color examples | Examples based on series R2.75



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 17 links **R2.75.111.130.0**

+ Mounting brackets KMA - 1 set **R2.750.111.12**

Interior separation with 2 separators assembled every 2nd link **2 x 75.1.1**

Order text: 3.28 ft (1m) R2.75.111.130.0 + R2.750.111.12 + 2 x 75.1.1



Order key

Openable from both sides
along the outer radius

R2.75.111.130.0

Series / Type

Inner height

Width index (depends on **Bi**)

Bend radius **B**

Color index (standard black)

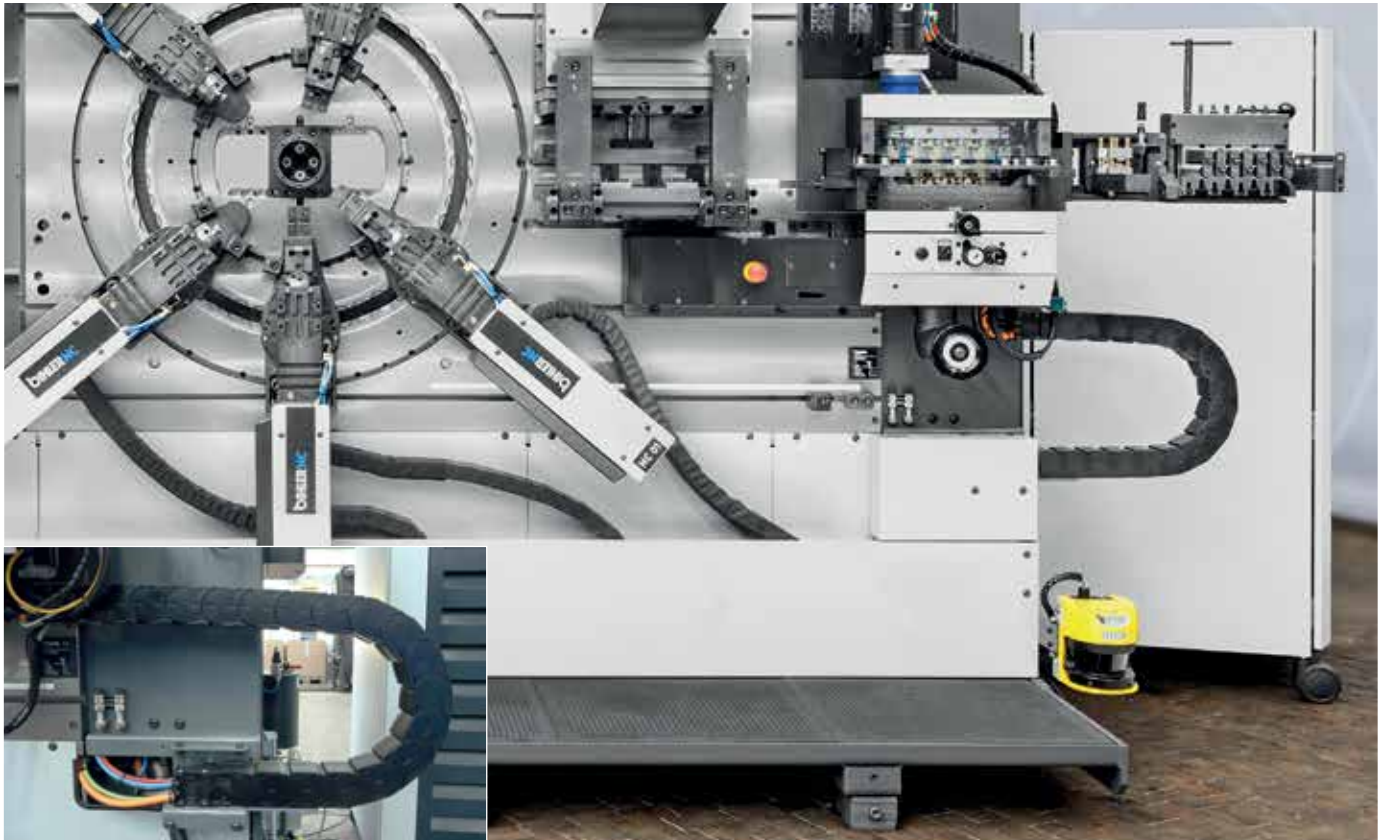


Order index for color options

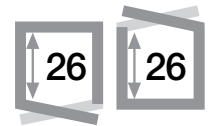
Color	Order index	Color	Order index
Black	Standard .0	Orange	Special color .2
Silver-grey	Special color .31	Yellow	Special color .4
White	Special color .1	Light grey	Special color .14
Grey-white	Special color .1S		

Black e-chains® ready to ship in 48 - 72hrs.*
Above special colors upon request.

R2.1 e-tubes | Application example



igus® R2.1 e-tube in operation in a machine for stamping and bending. This allows the individual units to be moved and positioned electrically



e-tubes | Series R2i.26 | Lids openable along the inner radius, from both sides

e-tubes | Series R2.26 | Lids openable along the outer radius, from both sides

Part No.		<i>Bi</i>	<i>Ba</i>	R2i.26	R2.26
e-chains*		in. (mm)	in. (mm)	lbs/ft. (kg/m)	lbs/ft. (kg/m)
R2i.26. 025 . <i>R</i> .0	R2.26. 025 . <i>R</i> .0	.98 (25)	1.61 (41)	≈ 0.585 (0.870)	≈ 0.585 (0.870)
R2i.26. 038 . <i>R</i> .0	R2.26. 038 . <i>R</i> .0	1.50 (38)	2.13 (54)	≈ 0.643 (0.957)	≈ 0.643 (0.957)
R2i.26. 050 . <i>R</i> .0	R2.26. 050 . <i>R</i> .0	1.97 (50)	2.60 (66)	≈ 0.702 (1.044)	≈ 0.702 (1.044)
R2i.26. 075 . <i>R</i> .0	R2.26. 075 . <i>R</i> .0	2.95 (75)	3.58 (91)	≈ 0.818 (1.218)	≈ 0.818 (1.218)
R2i.26. 100 . <i>R</i> .0	R2.26. 100 . <i>R</i> .0	3.94 (100)	4.57 (116)	≈ 0.935 (1.392)	≈ 0.935 (1.392)
R2i.26. 130 . <i>R</i> .0	R2.26. 130 . <i>R</i> .0	5.12 (130)	5.75 (146)	≈ 1.075 (1.600)	≈ 1.075 (1.600)

*Width available upon request. Delivery time upon request.

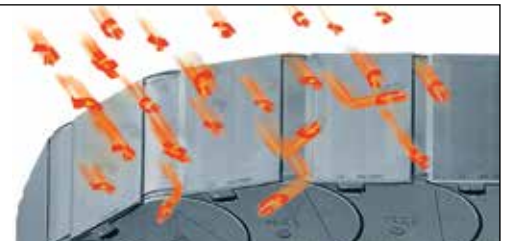
Complete Part No. with required radius (*R*). Example: R2.26.**050**.**060**.0

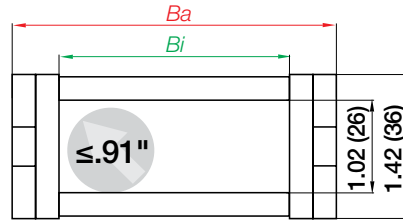
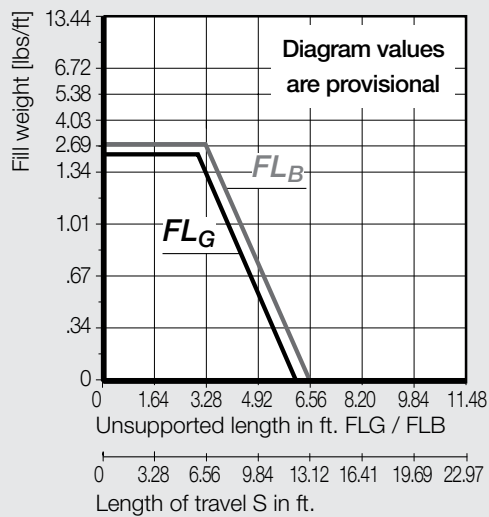
Available bend radii

R in. (mm) | 2.36 (060) | 2.95 (075) | 3.94 (100) | 4.92 (125) | 5.91 (150) | 6.89 (175) | 7.87 (200) | 9.84 (250)

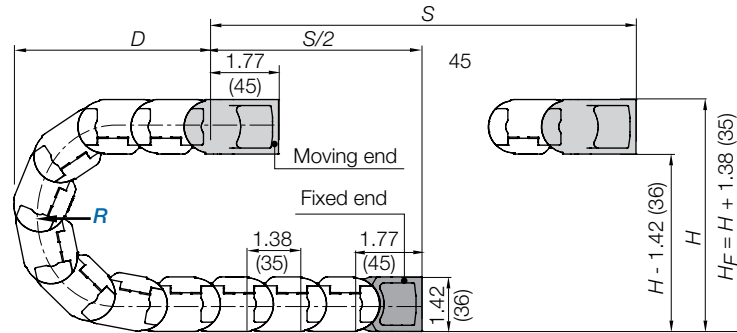
Hot chips up to +1562°F for e-tubes

- e-tubes can repel chips up to +1562°F. Special production option with the igus® material igumid HT
 - No hot chips melting or embedding into the chain
- More information ► www.igus.com/HT



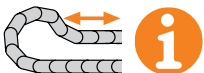


Inner height in. (mm)	1.02 (26)
Pitch per link in. (mm)	1.38 (35)
Links/ft (m)	8.70 (29)
corresponds to (mm)	1,015
e-chain* length	$L_K = \frac{S}{2} + K$



R	2.36 (060)	2.95 (075)	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	9.84 (250)
H	6.14 (156)	7.32 (186)	9.29 (236)	11.26 (286)	13.23 (336)	15.20 (386)	17.17 (436)	21.10 (536)
D	5.14 (130.5)	5.73 (145.5)	6.71 (170.5)	7.70 (195.5)	8.68 (220.5)	9.67 (245.5)	10.63 (270)	12.62 (320.5)
K	10.24 (260)	12.20 (310)	15.16 (385)	18.31 (465)	21.46 (545)	24.41 (620)	27.56 (700)	33.86 (860)

The required clearance height: $H_F = H + 1.38$ in. (35 mm) with 1.01 lbs/ft (1.5 kg/m) fill weight.



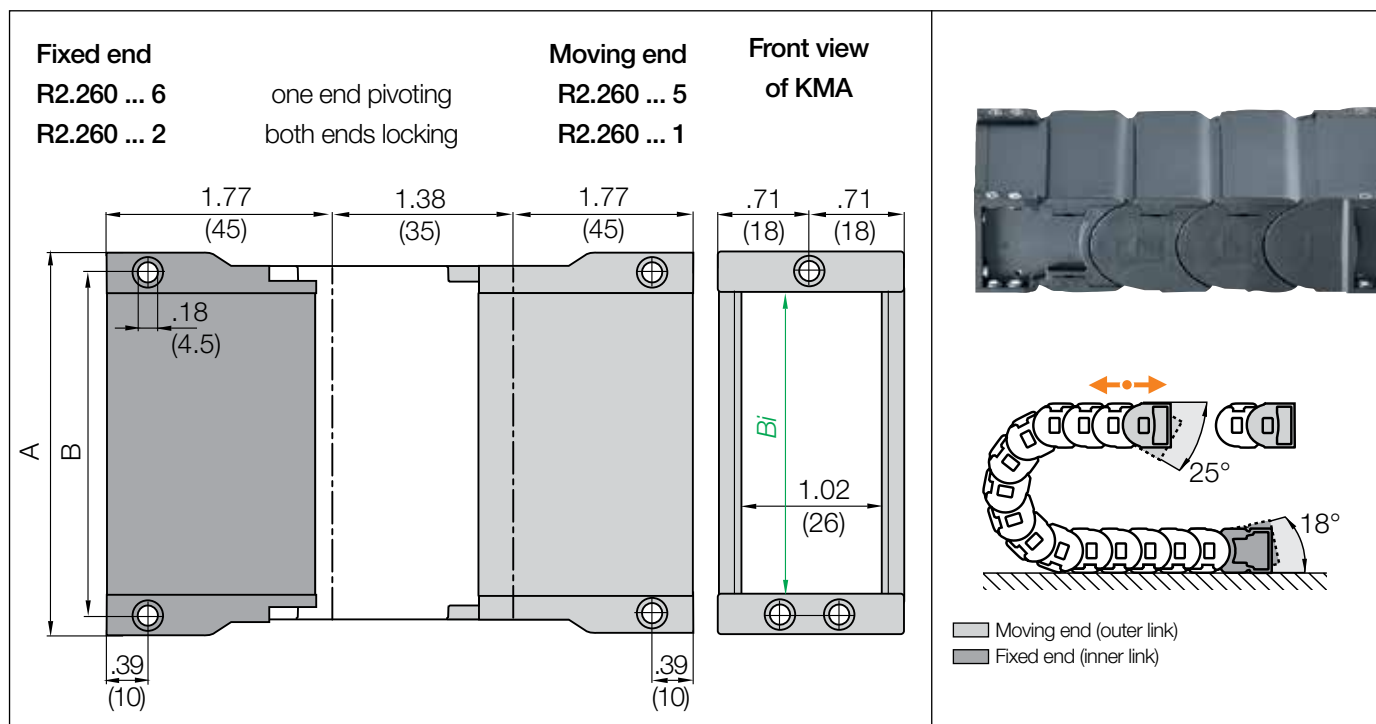
If a gliding application is required for a long travel, please consult igus®.

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-tube
- Open design - dirt and debris fall through

More information ► From page 1400





KMA pivoting KMA locking

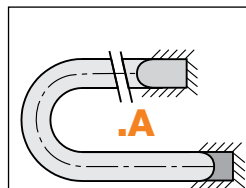
Recommended for unsupported applications

Recommended for vertical hanging and standing applications

Width index	Part No. full set KMA one end pivoting	Part No. full set KMA locking	A in. (mm)	B in. (mm)	Bi in. (mm)
025. ▶	R2.260.025.56	R2.260.025.12	1.69 (43)	1.36 (34.5)	.98 (25)
038. ▶	R2.260.038.56	R2.260.038.12	2.20 (56)	1.87 (47.5)	1.50 (38)
050. ▶	R2.260.050.56	R2.260.050.12	2.68 (68)	2.34 (59.5)	1.97 (50)
075. ▶	R2.260.075.56	R2.260.075.12	3.66 (93)	3.33 (84.5)	2.95 (75)
100. ▶	R2.260.100.56	R2.260.100.12	4.65 (118)	4.31 (109.5)	3.94 (100)
130. ▶	R2.260.130.56*	R2.260.130.12*	5.83 (148)	5.49 (139.5)	5.12 (130)

*Width available upon request. Please consult igus® for delivery time.

(KMA = plastic-metal mounting bracket)



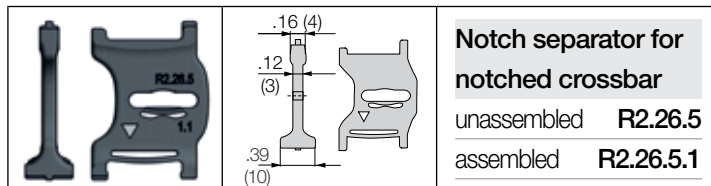
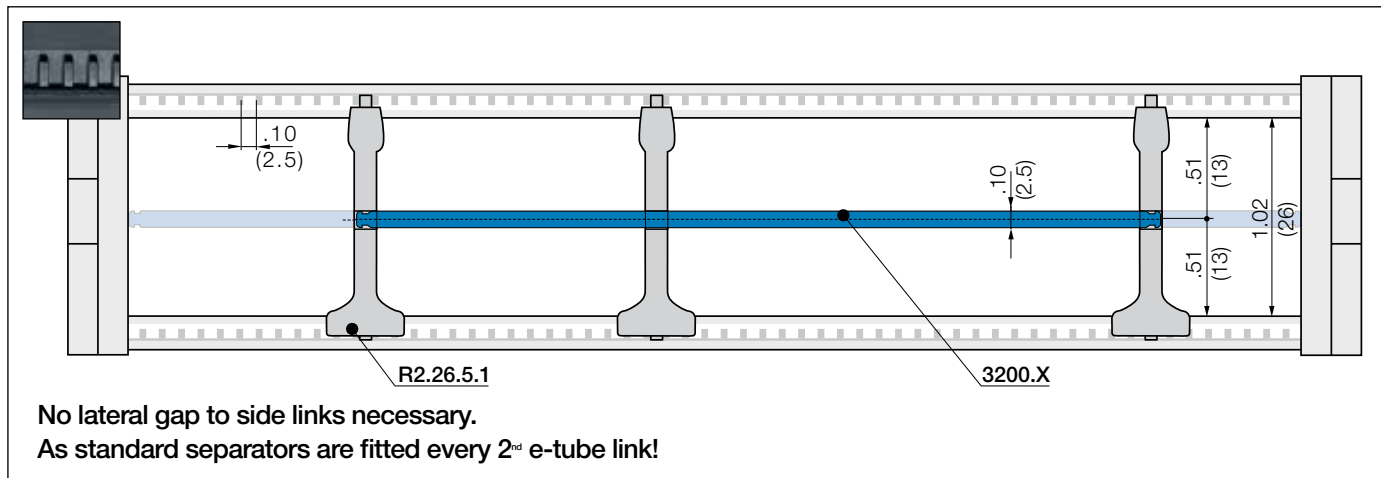
The bracket orientations are set automatically when using an igus® KMA mounting bracket with attachment from any side. To receive a KMA mounting bracket **pre-fitted** please add index **.A**.

R2.260.050.12.A Order example



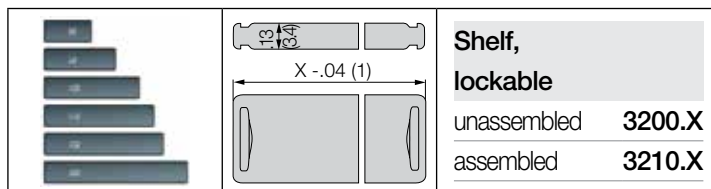
Strain relief: clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1418

Interior separation | Increase cable service life



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)



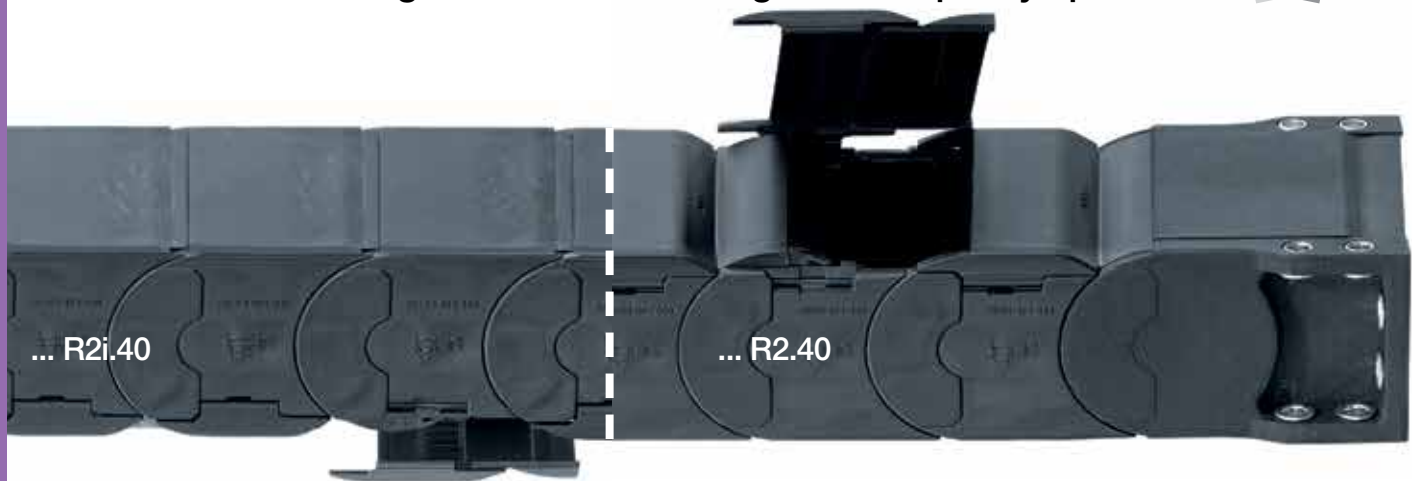
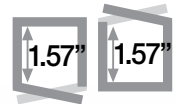
X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled	X in. (mm)	unassembled	assembled
1.97 (050)	3200.050	3210.050	4.92 (125)	3200.125	3210.125	8.86 (225)	3200.225	3210.225
2.95 (075)	3200.075	3210.075	5.91 (150)	3200.150	3210.150	9.84 (250)	3200.250	3210.250
3.94 (100)	3200.100	3210.100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

Separator with integrated strain relief teeth

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

Part No. R2.26.Z - more information ► From page 1456





e-tubes | Series R2i.40 | Lids openable along the inner radius, from both sides
 e-tubes | Series R2.40 | Lids openable along the inner radius, from both sides

Part No.		<i>Bi</i>	<i>Ba</i>	R2i.40	R2.40
e-chains*		in. (mm)	in. (mm)	lbs/ft. (kg/m)	lbs/ft. (kg/m)
R2i.40.050. <i>R</i> .0	R2.40.050. <i>R</i> .0	1.97 (50)	2.61 (66.2)	≈ 0.84 (1.25)	≈ 0.84 (1.25)
R2i.40.075. <i>R</i> .0	R2.40.075. <i>R</i> .0	2.95 (75)	3.59 (91.2)	≈ 1.01 (1.50)	≈ 1.01 (1.50)
R2i.40.100. <i>R</i> .0	R2.40.100. <i>R</i> .0	3.94 (100)	4.57 (116.2)	≈ 1.18 (1.75)	≈ 1.18 (1.75)
R2i.40.125. <i>R</i> .0	R2.40.125. <i>R</i> .0	4.92 (125)	5.56 (141.2)	≈ 1.34 (2.00)	≈ 1.34 (2.00)
R2i.40.150. <i>R</i> .0	R2.40.150. <i>R</i> .0	5.91 (150)	6.54 (166.2)	≈ 1.51 (2.25)	≈ 1.51 (2.25)
R2i.40.175. <i>R</i> .0	R2.40.175. <i>R</i> .0	6.89 (175)	7.53 (191.2)	≈ 1.68 (2.50)	≈ 1.68 (2.50)
R2i.40.200. <i>R</i> .0	R2.40.200. <i>R</i> .0	7.87 (200)	8.51 (216.2)	≈ 1.85 (2.75)	≈ 1.85 (2.75)

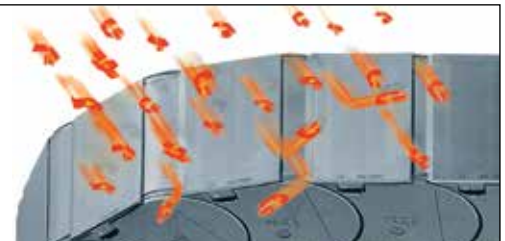
Complete Part No. with required radius (*R*). Example: R2i.40.075.080.0

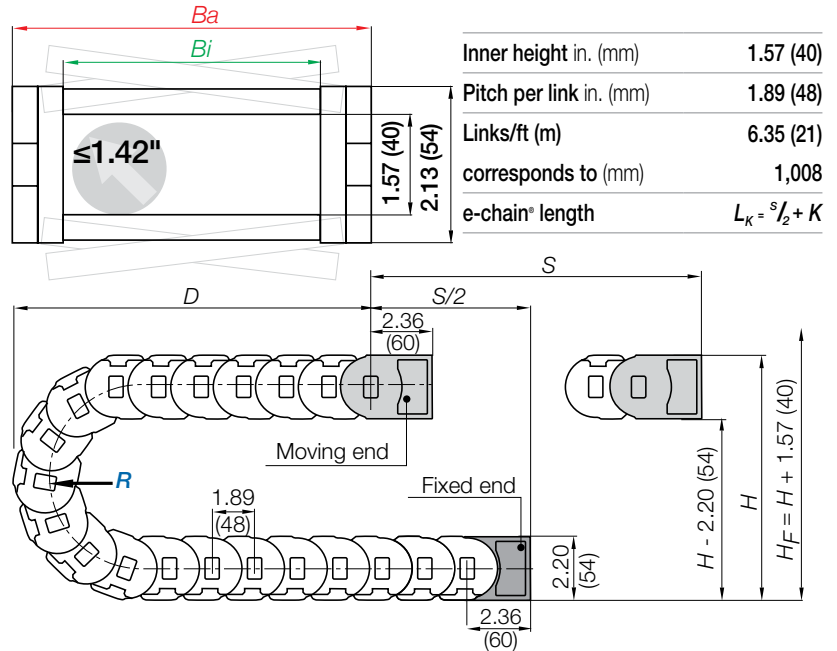
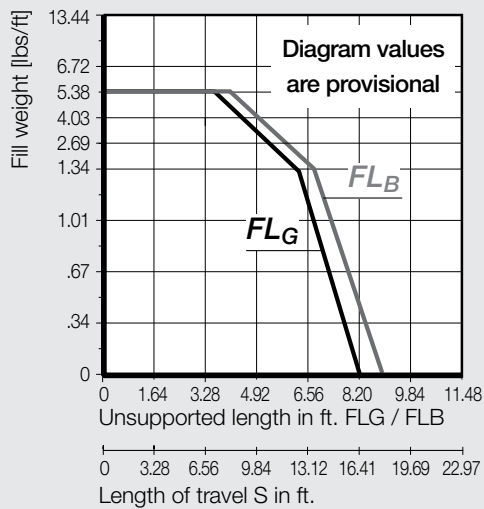
Available bend radii

R in. (mm) | 3.15 (080) | 3.94 (100) | 4.92 (125) | 5.91 (150) | 6.89 (175) | 7.87 (200) | 9.84 (250)

Hot chips up to +1562°F for e-tubes

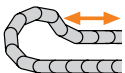
- e-tubes can repel chips up to +1562°F. Special production option with the igus® material igumid HT
 - No hot chips melting or embedding into the chain
- More information ► www.igus.com/HT





R	3.15 (080)	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	9.84 (250)
H	8.43 (214)	10.00 (254)	11.97 (304)	13.94 (354)	15.91 (404)	17.87 (454)	21.81 (554)
D	7.05 (179)	7.83 (199)	8.82 (224)	980 (249)	10.79 (274)	11.77 (299)	13.74 (349)
K	13.78 (350)	16.34 (415)	19.29 (490)	22.44 (570)	25.59 (650)	28.54 (725)	34.84 (885)

The required clearance height: $H_F = H + 1.57$ in. (40 mm) with 1.34 lbs/ft (2.0 kg/m) fill weight.



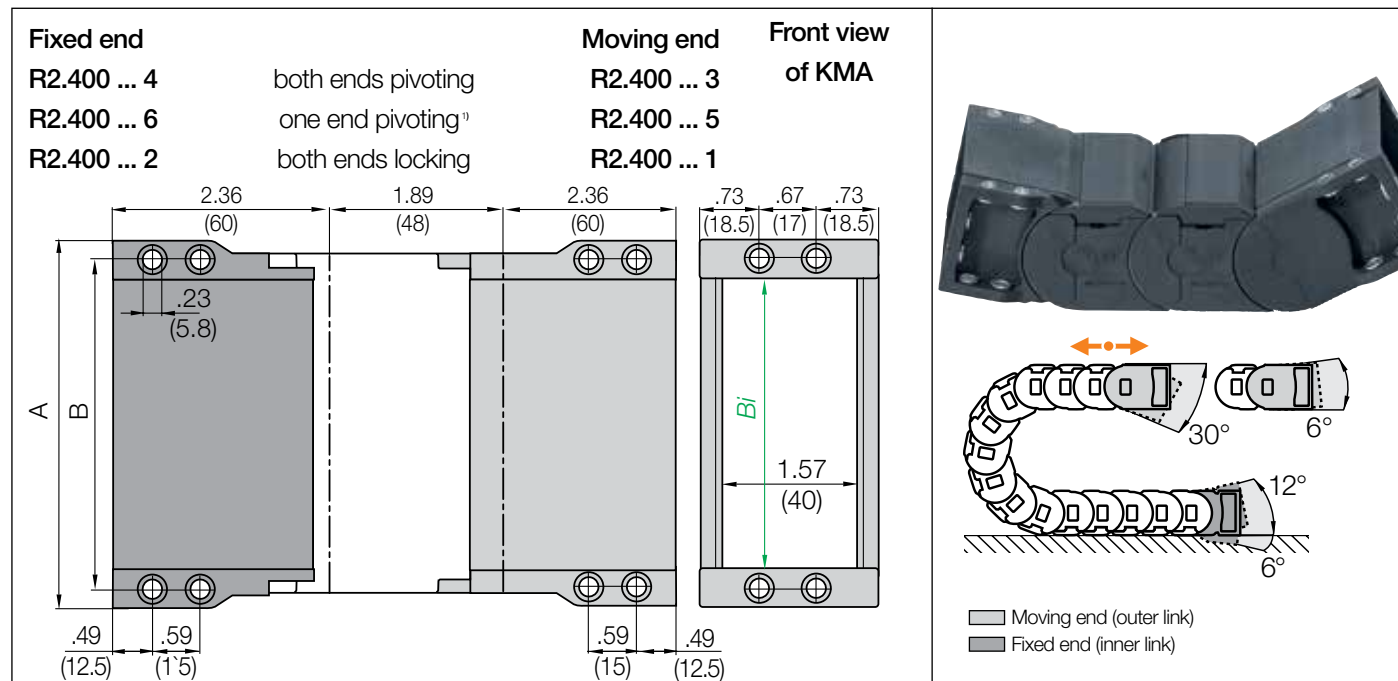
If a gliding application is required for a long travel, please consult igus®.

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-tube
- Open design - dirt and debris fall through

More information ► From page 1400





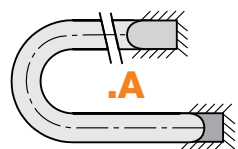
KMA pivoting
KMA locking

Recommended for unsupported applications

Recommended for vertical hanging and standing applications

Width index	Part No. full set KMA both ends pivoting	Part No. full set KMA one end pivoting	Part No. full set KMA both ends locking	A in. (mm)	B in. (mm)	Bi in. (mm)
50. ▶	R2.400.050.34	R2.400.050.56	R2.400.050.12	2.91 (74)	2.44 (62)	1.97 (50)
75. ▶	R2.400.075.34	R2.400.075.56	R2.400.075.12	3.90 (99)	3.43 (87)	2.95 (75)
100. ▶	R2.400.100.34	R2.400.100.56	R2.400.100.12	4.88 (124)	4.41 (112)	3.94 (100)
125. ▶	R2.400.125.34	R2.400.125.56	R2.400.125.12	5.87 (149)	5.39 (137)	4.92 (125)
150. ▶	R2.400.150.34	R2.400.150.56	R2.400.150.12	6.85 (174)	6.38 (162)	5.91 (150)
175. ▶	R2.400.175.34	R2.400.175.56	R2.400.175.12	7.83 (199)	7.36 (187)	6.89 (175)
200. ▶	R2.400.200.34	R2.400.200.56	R2.400.200.12*	8.82 (224)	8.35 (212)	7.87 (200)

(KMA = polymer metal mounting bracket)



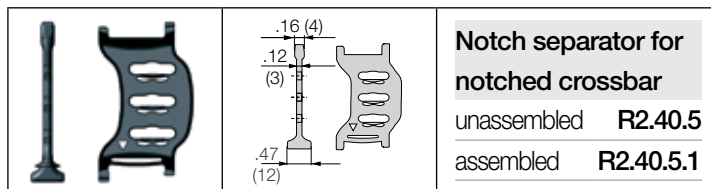
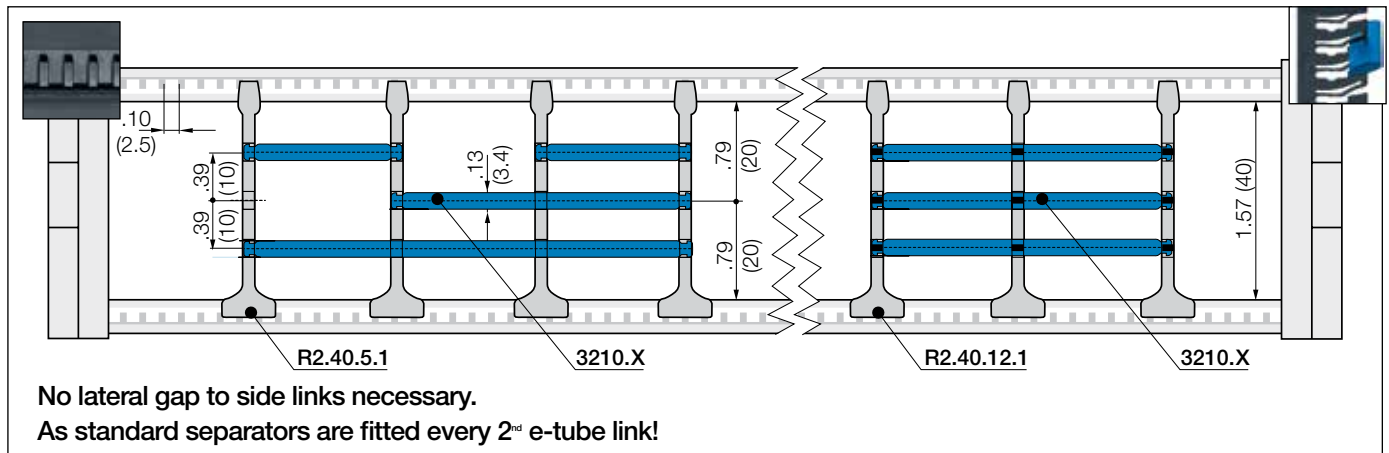
The bracket orientations are set automatically when using an igus® KMA mounting bracket with attachment from any side. To receive a KMA mounting bracket **pre-fitted** please add index **A**.

R2.400.075.56.A Order example



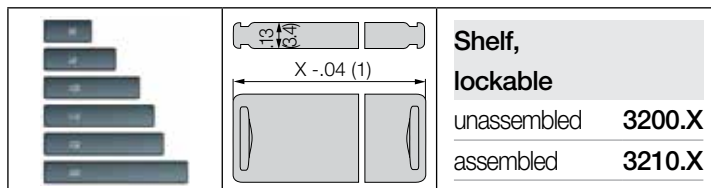
Strain relief: clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1418

Interior separation | Increase cable service life



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.

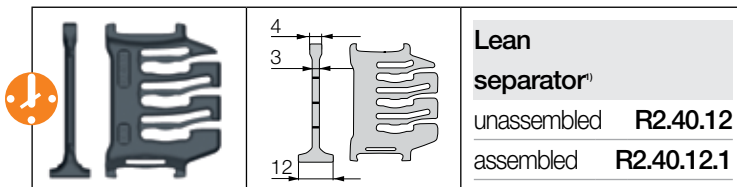
Shelves

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



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

Lean separators¹⁾

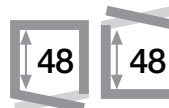
For quick fitting of shelves in several layers. 1) **Note:** Please combine maximum 4 lean separators with one shelf. Not suitable for side-mounted e-chains²⁾!



Separator with integrated strain relief teeth

- Can be integrated into the mounting bracket or placed at any point in the e-tube
 - Combines strain relief and interior separation, for restricted space conditions
 - Strain relief separator is easy to assemble without any screws
- Part No. R2.40.Z - more information ► From page 1456





e-tubes | Series R2i.48 | Lids openable along the inner radius, from both sides
 e-tubes | Series R2.48 | Lids openable along the inner radius, from both sides

Part No. e-chains*		<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)	R2i.40 lbs/ft. (kg/m)	R2.40 lbs/ft. (kg/m)
R2i.48.050.R.0	R2.48.050.R.0	1.97 (50)	2.76 (70)	≈ 1.29 (1.92)	≈ 1.29 (1.92)
R2i.48.075.R.0	R2.48.075.R.0	2.95 (75)	3.74 (95)	≈ 1.50 (2.23)	≈ 1.50 (2.23)
R2i.48.100.R.0	R2.48.100.R.0	3.94 (100)	4.72 (120)	≈ 1.71 (2.55)	≈ 1.71 (2.55)
R2i.48.115.R.0	R2.48.115.R.0	4.53 (115)	5.31 (135)	≈ 1.84 (2.74)	≈ 1.84 (2.74)
R2i.48.125.R.0	R2.48.125.R.0	4.92 (125)	5.71 (145)	≈ 1.92 (2.86)	≈ 1.92 (2.86)
R2i.48.150.R.0	R2.48.150.R.0	5.91 (150)	6.69 (170)	≈ 2.14 (3.18)	≈ 2.14 (3.18)
R2i.48.175.R.0	R2.48.175.R.0	6.89 (175)	7.68 (195)	≈ 2.35 (3.49)	≈ 2.35 (3.49)
R2i.48.200.R.0	R2.48.200.R.0	7.87 (200)	8.66 (220)	≈ 2.56 (3.81)	≈ 2.56 (3.81)
R2i.48.225.R.0	R2.48.225.R.0	8.86 (225)	9.65 (245)	≈ 2.72 (4.05)	≈ 2.72 (4.05)
R2i.48.250.R.0	R2.48.250.R.0	9.84 (250)	10.63 (270)	≈ 2.98 (4.44)	≈ 2.98 (4.44)

Complete Part No. with required radius (*R*). Example: R2i.48.115.100.0

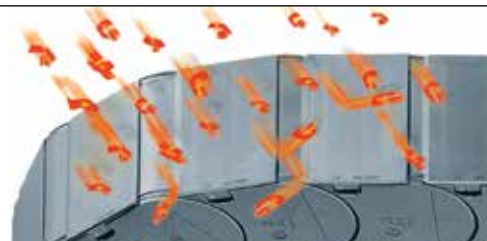
Available bend radii

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

Hot chips up to +1562°F for e-tubes

- e-tubes can repel chips up to +1562°F. Special production option with the igus® material igumid HT
- No hot chips melting or embedding into the chain

More information ► www.igus.com/HT

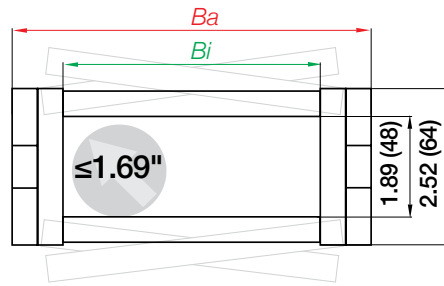
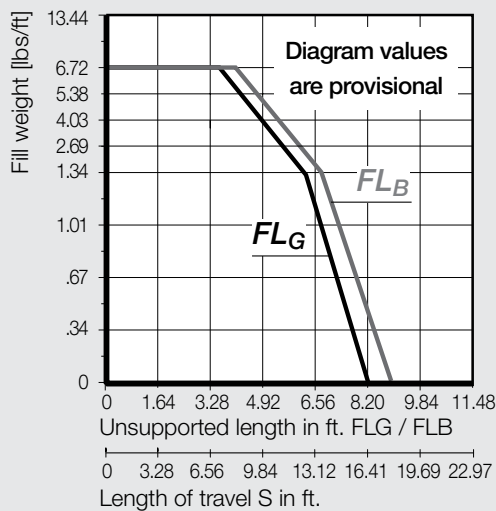


CFU strain relief with innovative honeycomb design

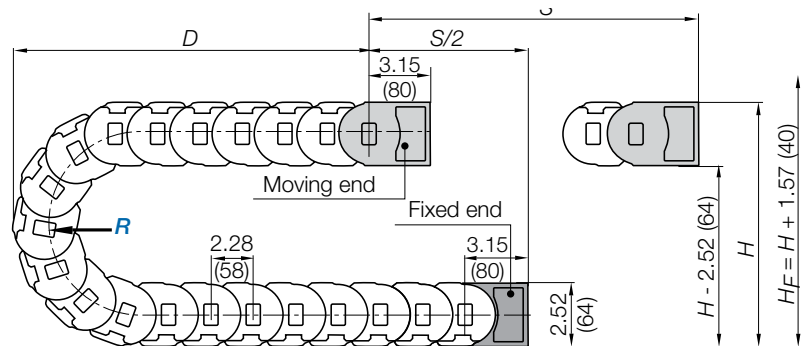
- Fast filling, openable from both sides for assembly in seconds
- Flexible honeycomb design for increased holding force
- Tribologically optimized honeycomb design for the best hold
- Universal use, compact, space-saving design

More information ► Page 1450



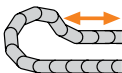


Inner height in. (mm)	1.89 (48)
Pitch per link in. (mm)	2.28 (58)
Links/ft (m)	5.26 (18)
corresponds to (mm)	1,044
e-chain* length	$L_K = \frac{S}{2} + K$



R	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	8.86 (225)	9.84 (250)
H	10.39 (264)	12.36 (314)	14.33 (364)	16.30 (414)	18.27 (464)	20.24 (514)	22.20 (564)
D	8.62 (219)	9.61 (244)	10.59 (269)	11.57 (294)	12.56 (319)	13.54 (344)	14.53 (369)
K	17.13 (435)	20.08 (510)	23.23 (590)	26.38 (670)	29.33 (745)	32.48 (825)	35.63 (905)

The required clearance height: $H_F = H + 1.57$ in. (40 mm) with 1.34 lbs/ft (2.0 kg/m) fill weight.



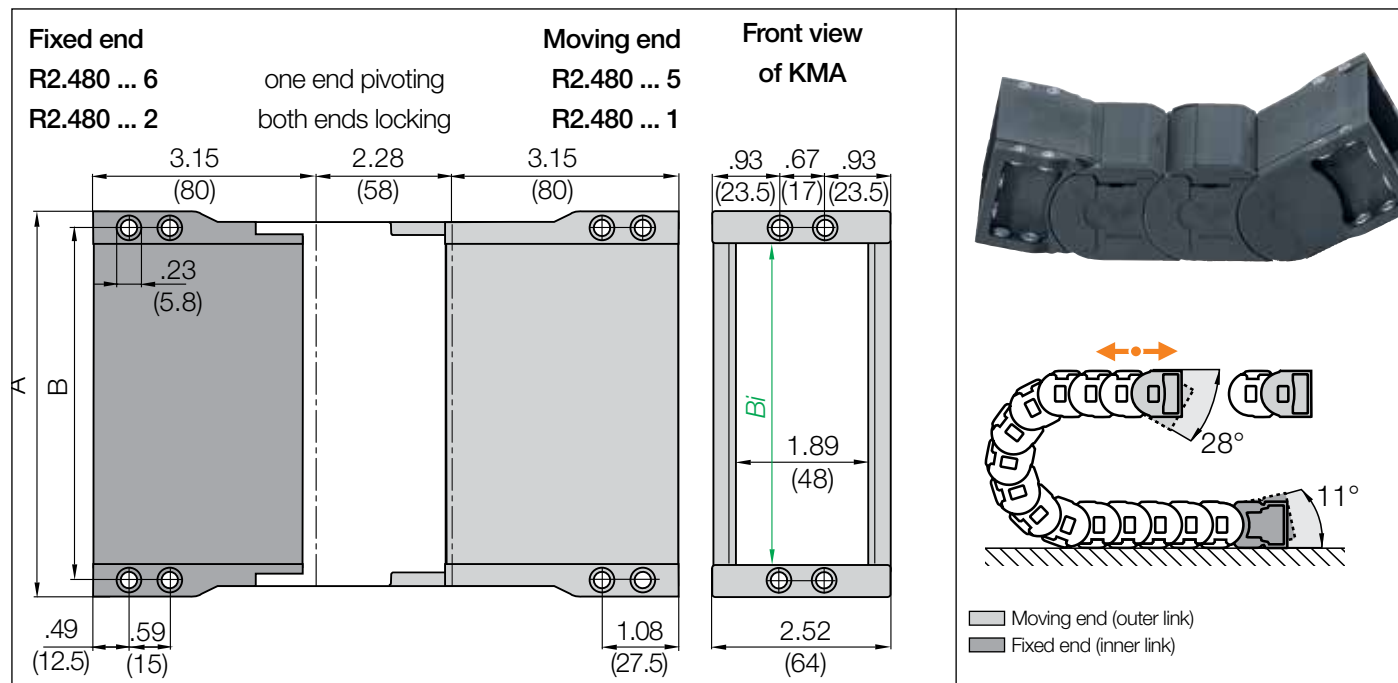
If a gliding application is required for a long travel, please consult igus®.

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-tube
- Open design - dirt and debris fall through

More information ► From page 1400





Standard

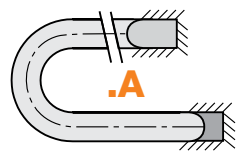
KMA pivoting
KMA locking

Recommended for unsupported applications

Recommended for vertical hanging and standing applications

Width index	Part No. full set KMA both ends pivoting	Part No. full set KMA one end pivoting	A in. (mm)	B in. (mm)	Bi in. (mm)
050. ▶	R2.480.050.56	R2.480.050.12	2.91 (74)	2.44 (62)	1.97 (50)
075. ▶	R2.480.075.56	R2.480.075.12	3.90 (99)	3.43 (87)	2.95 (75)
100. ▶	R2.480.100.56	R2.480.100.12	4.88 (124)	4.41 (112)	3.94 (100)
115. ▶	R2.480.115.56	R2.480.115.12	5.47 (139)	5.00 (127)	4.53 (115)
125. ▶	R2.480.125.56	R2.480.125.12	5.87 (149)	5.39 (137)	4.92 (125)
150. ▶	R2.480.150.56	R2.480.150.12	6.85 (174)	6.38 (162)	5.91 (150)
175. ▶	R2.480.175.56	R2.480.175.12	7.83 (199)	7.36 (187)	6.89 (175)
200. ▶	R2.480.200.56	R2.480.200.12	8.82 (224)	8.35 (212)	7.87 (200)
225. ▶	R2.480.225.56	R2.480.225.12	9.80 (249)	9.33 (237)	8.86 (225)
250. ▶	R2.480.250.56	R2.480.250.12	10.79 (274)	10.31 (262)	9.84 (250)

(KMA = polymer metal mounting bracket)



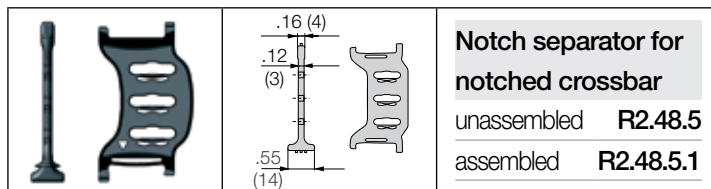
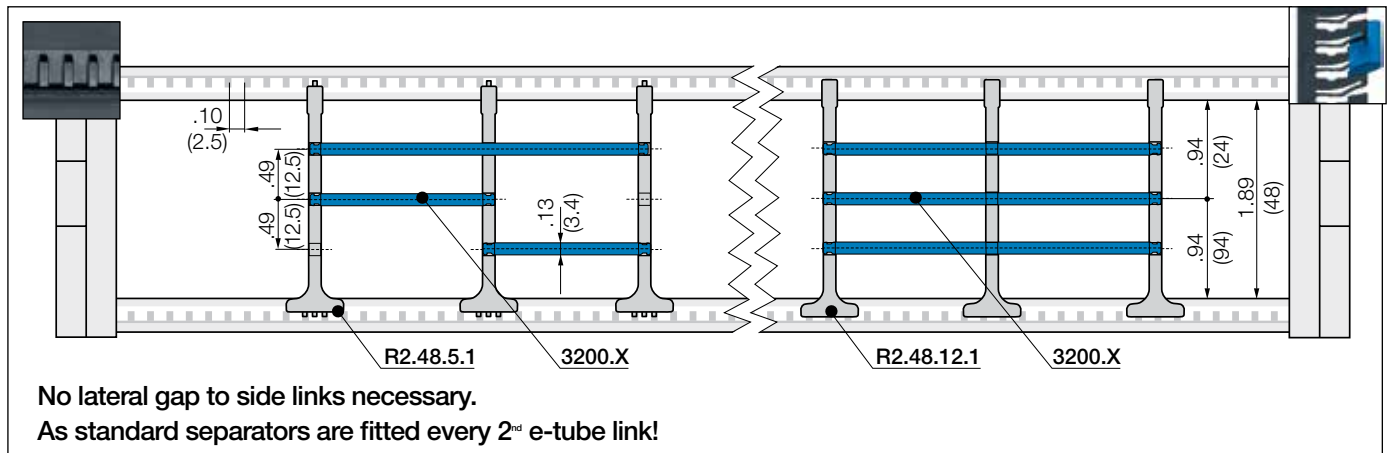
The bracket orientations are set automatically when using an igus® KMA mounting bracket with attachment from any side. To receive a KMA mounting bracket **pre-fitted** please add index **A**.

R2.480.115.56.A Order example



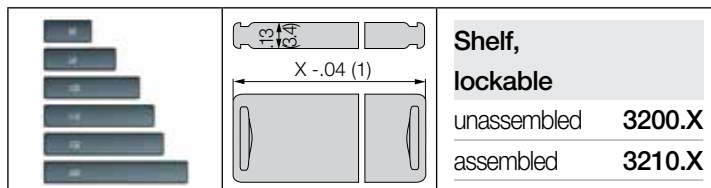
Strain relief: clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1418

Interior separation | Increase cable service life



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.

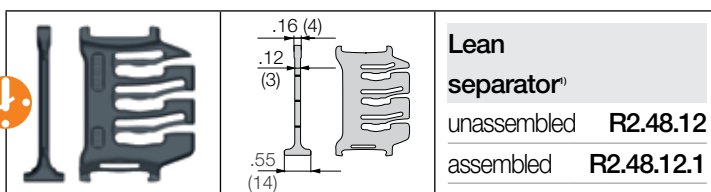
Shelves

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



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

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-chains¹⁾!





e-tubes | Series R2.75 | Lids openable along the inner radius, from both sides

Part No.	<i>Bi</i>	<i>Ba</i>	R2.75
e-chains*	in. (mm)	in. (mm)	lbs/ft. (kg/m)
R2.75.111. <i>R</i> .0	4.37 (111)	5.31 (135)	≈ 2.13 (3.175)
R2.75.163. <i>R</i> .0	6.42 (163)	7.36 (187)	≈ 2.47 (3.672)
R2.75.200. <i>R</i> .0	7.87 (200)	8.82 (224)	≈ 2.70 (4.012)

*Width available upon request. Delivery time upon request.

Complete Part No. with required radius (*R*). Example: R2.75.111.130.0

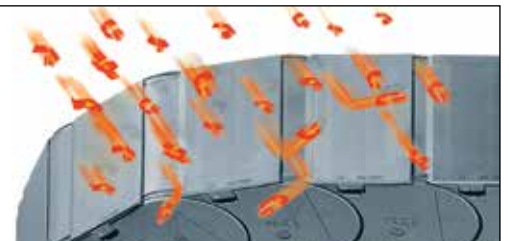
Available bend radii

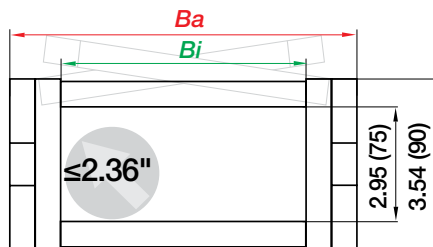
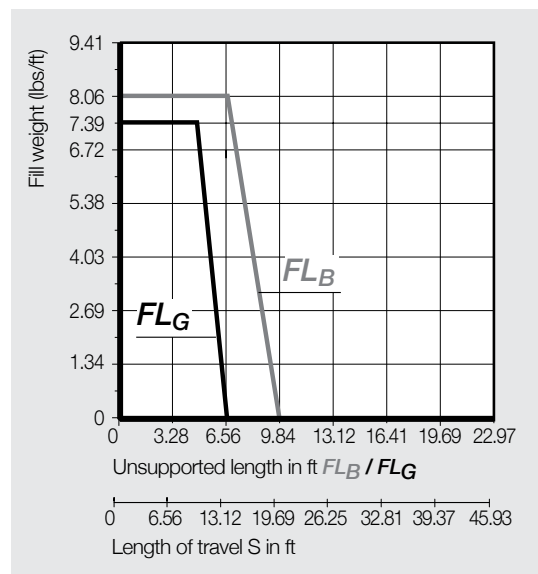
R in. (mm) | 5.12 (130) | 5.91 (150) | 7.87 (200) | 9.84 (250) |

Hot chips up to +1562°F for e-tubes

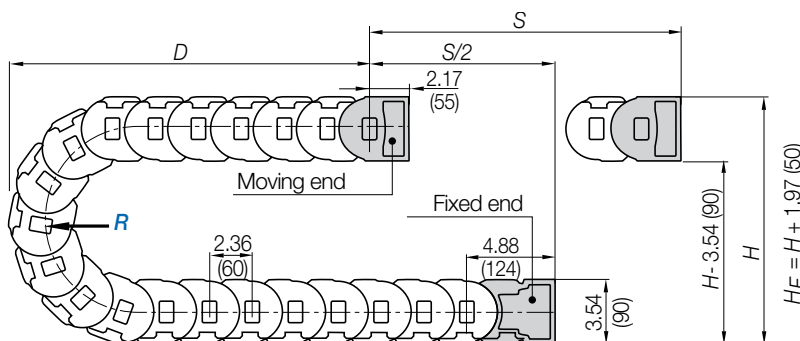
- e-tubes can repel chips up to +1562°F. Special production option with the igus® material igumid HT
- No hot chips melting or embedding into the chain

More information ► www.igus.com/HT



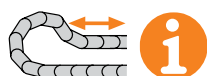


Inner height in. (mm)	2.95 (75)
Pitch per link in. (mm)	2.36 (60)
Links/ft (m)	5.10 (17)
corresponds to (mm)	1,020
e-chain* length	$L_K = \frac{S}{2} + K$



R	5.12 (130)	5.91 (150)	7.87 (200)	9.84 (250)
H	13.78 (350)	15.35 (390)	19.29 (490)	23.23 (590)
D	10.43 (265)	11.22 (285)	13.19 (335)	15.16 (385)
K	20.87(530)	23.43 (595)	29.53 (750)	35.83 (910)

The required clearance height: $H_F = H + 1.97$ in. (50 mm) with 2.02 lbs/ft (3.0 kg/m) fill weight.



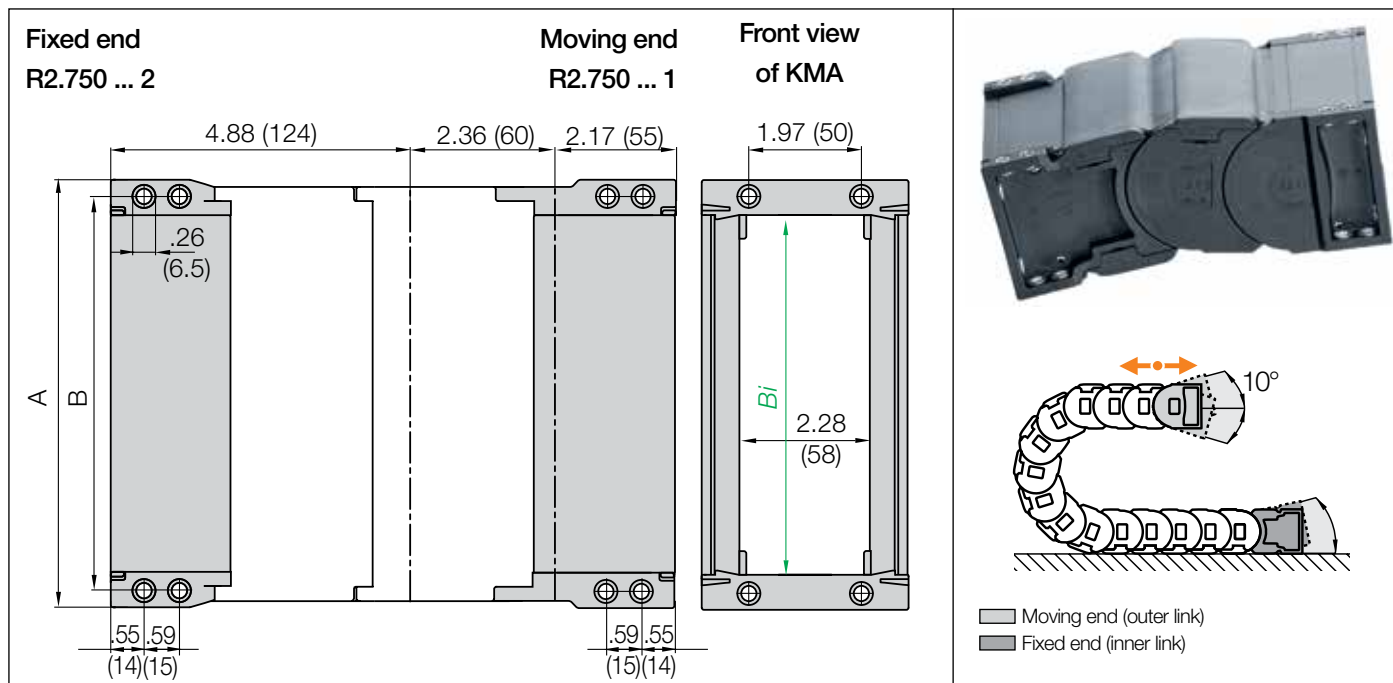
If a gliding application is required for a long travel, please consult igus®.

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-tube
- Open design - dirt and debris fall through

More information ► From page 1400

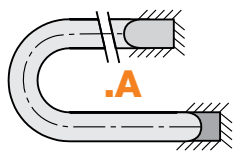




KMA pivoting | Recommended for unsupported applications

Width index	Part No. full set KMA pivoting	A in. (mm)	B in. (mm)	Bi in. (mm)
111. ▶	R2.750.111.12	5.55 (141)	5.00 (127)	4.37 (111)
163. ▶	R2.750.163.12	7.59 (193)	7.05 (179)	6.42 (163)
200. ▶	R2.750.200.12	9.06 (230)	8.50 (216)	7.87 (200)

(KMA = polymer metal mounting bracket)



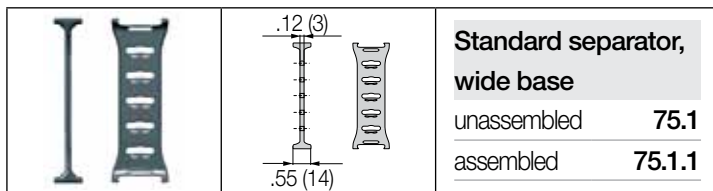
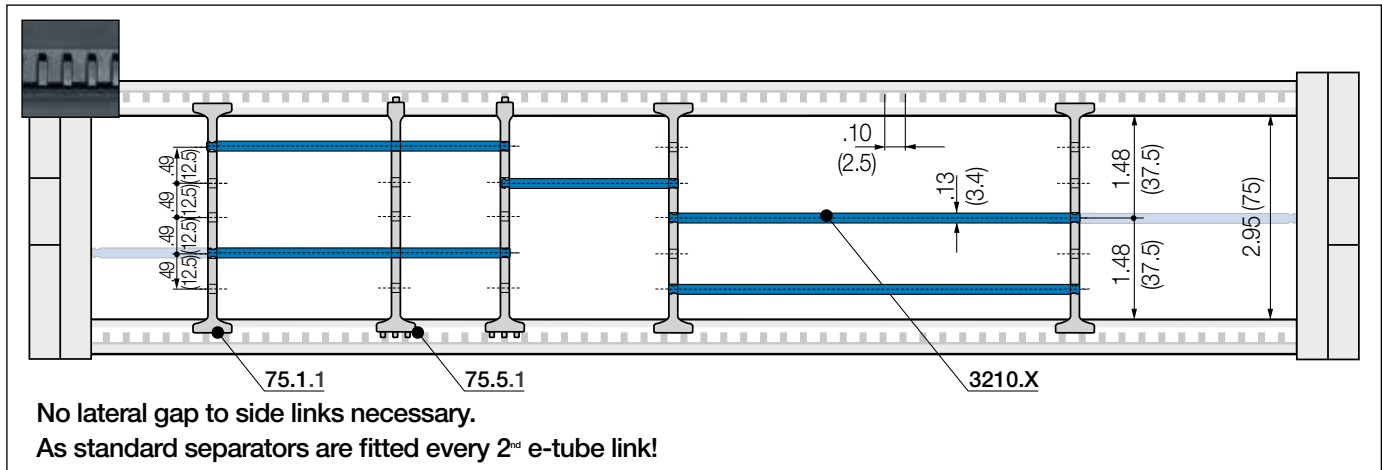
The bracket orientations are set automatically when using an igus® KMA mounting bracket with attachment from any side. To receive a KMA mounting bracket **pre-fitted** please add index **.A**.

R2.750.111.12.A Order example



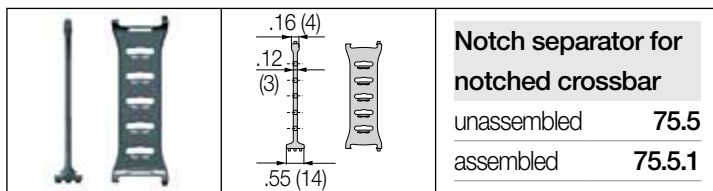
Strain relief: clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1418

Interior separation | Increase cable service life



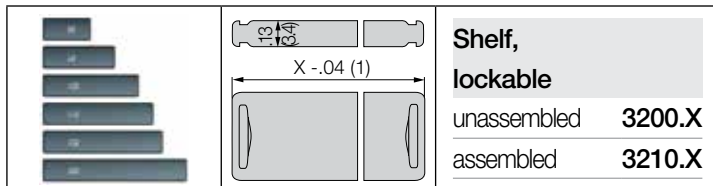
Standard - for any application

Separator with a wide base for maximum holding force.



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	4.53 (115)	3200.115	3210.115	6.89 (175)	3200.175	3210.175
2.95 (075)	3200.075	3210.075	4.92 (125)	3200.125	3210.125	7.87 (200)	3200.200	3210.200
3.94 (100)	3200.100	3210.100	5.91 (150)	3200.150	3210.150			