



E2.1

The strong all-rounder, easy to open



Advantages of the E2.1 series:

- More useable interior space with inner heights of 26, 38 and 48mm while the outer height is the same as the E2/000 e-chains®
- Easy to open - openable along the inner and outer radius, from both sides (left or right)
- Greater strength for unsupported applications
- Longer service life for gliding applications
- Integrated grid for interior separation in 2.5mm steps
- Cable-friendly due to smooth interior
- Quiet operation due to integrated brake
- igus® e-chain® opener for rapid opening in seconds, available for series E2.38
- Complete interior separation range



When to use another e-chain® series:

- When a light, cost-effective e-chain®/e-tube with higher dynamics is needed ▶ **E4.1L, from page 538**
- When even higher strength is required ▶ **E4.1L, from page 538**
- For very simple applications with fast filling ▶ **easy chain®, from page 212**



The strong all- pounder, easy to open - E2.1

A proven e-chain system® E2/000 has been a worldwide standard in machinery since the year 2000. Continuous improvements over many years have now been combined in the new generation E2.1 and a new standard has been set. More useable filling space with the same outer dimensions and lower noise with increased service life and strength.

More useable interior space while the outer height is the same as the E2/000 e-chains®. Easy to open - openable along the inner and outer radius, from both sides (left or right). Quiet operation due to optimised brake. Greater strength for unsupported applications. Longer service life for gliding applications. Integrated positional system 2.5mm. Complete interior separation range.

Industrial industries and applications
Machine tools ● Wood processing machines
General mechanical engineering and all other areas



On 1m e-chain® in 2 seconds. igus® e-chain® opener for rapid opening in seconds, available for series E2.38

55dB(A) - value determined at the igus® test-lab,
v=2.0m/s unsupported, series E2.38; 100; 100.0

u/E2.1



E2.1 | Selection table

Series	Inner height <i>hi</i> [mm]	Inner width <i>Bi</i> [mm]	Outer width <i>Ba</i> [mm]	Outer height <i>ha</i> [mm]	Bend radius <i>R</i> [mm]	Unsupported length ≤ [m]	Page
E2.1 crossbars openable along the inner radius, from both sides							
E2i.26	26	25 - 103	42 - 120	35	048 - 250	2.25	356
E2i.38	38	50 - 150	67 - 167	50	063 - 250	2.75	362
E2i.48	48	75 - 150	97 - 172	64	075 - 300	3.00	368
More widths available upon request, please consult igus® for delivery time. Please consult igus® for delivery time.							
E2.1 crossbars openable along the outer radius, from both sides							
E2.26	26	25 - 103	42 - 120	35	048 - 250	2.25	356
E2.38	38	50 - 150	67 - 167	50	063 - 250	2.75	362
E2.48	48	75 - 150	97 - 172	64	075 - 300	3.00	368
More widths available upon request, please consult igus® for delivery time. Please consult igus® for delivery time.							



Available from stock. Ready to ship in 24 - 48hrs.*

*Average time before the ordered goods are dispatched.



More useable filling space, quiet operation due to integrated brake - the new generation E2 e-chains®

igus 3D CAD, configurators, service life calculation and more ► www.igus.eu/E2.1



Separators are secure even when e-chain® is open



Lean separators enable extremely fast cable filling in several layers



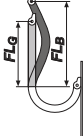
Aluminium support tray for support of the lower run ▶ From page 1362



igus 3D CAD, configurators, service life calculation and more ▶ www.igus.eu/E2.1



Technical data

	Speed gliding ¹⁾ / acceleration gliding ¹⁾	$\leq 10 \text{ [m/s]} / \leq 50 \text{ [m/s}^2\text{]}$
	Speed FL_g / acceleration FL_g	$\leq 20 \text{ [m/s]} / \leq 200 \text{ [m/s}^2\text{]}$
	Speed FL_B / acceleration FL_B	$\leq 3 \text{ [m/s]} / \leq 6 \text{ [m/s}^2\text{]}$
	Material - permitted temperature °C, igumid G	-40°C / +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
E2i.26 / E2.26	$\leq 4.25\text{m}$	$\leq 100\text{m}$	$\leq 40\text{m}$	$\leq 3.0\text{m}$	$\leq 1.0\text{m}$	with rework	upon request	upon request
E2i.38 / E2.38	$\leq 5.5\text{m}$	$\leq 120\text{m}$	$\leq 50\text{m}$	$\leq 3.0\text{m}$	$\leq 1.0\text{m}$	with rework	upon request	upon request
E2i.48 / E2.48	$\leq 6.0\text{m}$	$\leq 150\text{m}$	$\leq 80\text{m}$	$\leq 3.0\text{m}$	$\leq 1.0\text{m}$	with rework	upon request	upon request

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

Reduce assembly time - E2.1 e-chain® opener

- igus® e-chain® opener for rapid opening in seconds
- Reduce opening times from 33 to 2 seconds
- Open a long e-chain® section in one go
- Part No. EO.E2.38 available for series E2.38

More information ▶ www.igus.eu/E2.1opener



series E2i.38/E2.38

Dimension - member pretension

Reverse Bend Radius (RBR) for circular movements

Unsupported lengths +25% possible

ESD - electrically conductive material

Magnetically detectable plastic e-chains®

Dimension	Part No. RBR	
065.R.0.NC	E2i.38.065.R1/R2.0	e-chain® operable along inner radius ¹⁾
065.R.0.NC	E2.38.065.R1/R2.0	e-chain® operable along the outer radius

to ship business days* in 12 business days*

at a E2/000 system ▶ From page 374

Part No. XXL material ²⁾	Part No. igumid ESD ³⁾	Part No. igumid DT
E2i.38.065.R.0.XXL	E2i.38.065.R.0.ESD	E2i.38.065.R.0.DT
e-chain® operable along inner radius ¹⁾	e-chain® operable along inner radius ¹⁾	e-chain® operable along inner radius ¹⁾
E2.38.065.R.0.XXL	E2.38.065.R.0.ESD	E2.38.065.R.0.DT
e-chain® operable along the outer radius	e-chain® operable along the outer radius	e-chain® operable along the outer radius

Delivery time upon request* Ready to ship in 12 business days* Ready to ship in 20 business days*

*Average time before the ordered goods are dispatched.
1) For operable series along the inner radius in gliding applications, please consult igus®
2) Bottom part made from XXL material

Order key and colour examples | Examples based on series E2i.38/E2.38

Order key

Series / Type

Inner height

Width index (depends on *Ei*)

Bend radius *R*

Colour index (standard black)

Order index for colour options

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

Black e-chains® ready to ship in 24 - 48hrs.*
Above special colours upon request.

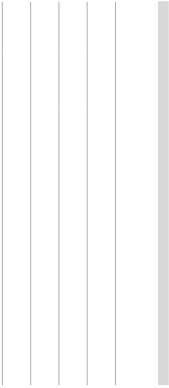


igus 3D CAD, configurators, service life calculation and more ▶ www.igus.eu/E2.1

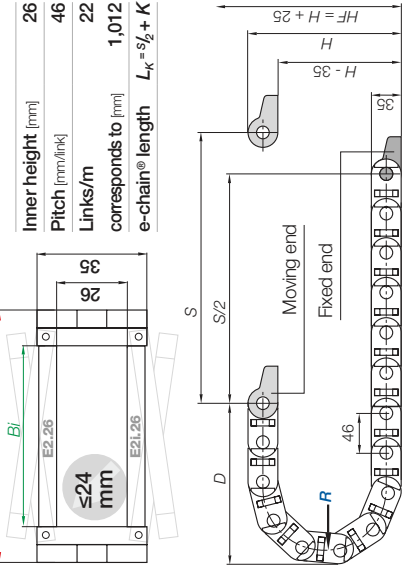
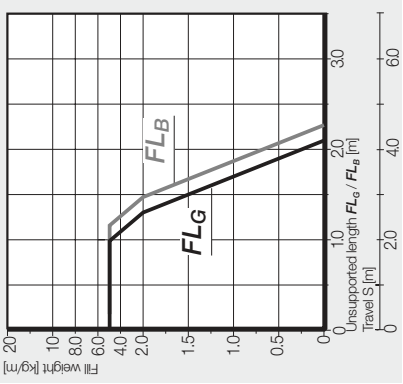
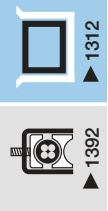


g the inner radius, from both sides
g the outer radius, from both sides

radii	E2i.26	E2.26	
	[kg/m]	[kg/m]	
10	125 150 175 200 225 250	≈ 0.77	≈ 0.77
10	125 150 175 200 225 250	≈ 0.84	≈ 0.84
10	125 150 175 200 225 250	≈ 0.92	≈ 0.92
10	125 150 175 200 225 250	≈ 0.99	≈ 0.99
10	125 150 175 200 225 250	≈ 1.03	≈ 1.03
10	125 150 175 200 225 250	≈ 1.10	≈ 1.10
10	125 150 175 200 225 250	≈ 1.19	≈ 1.19

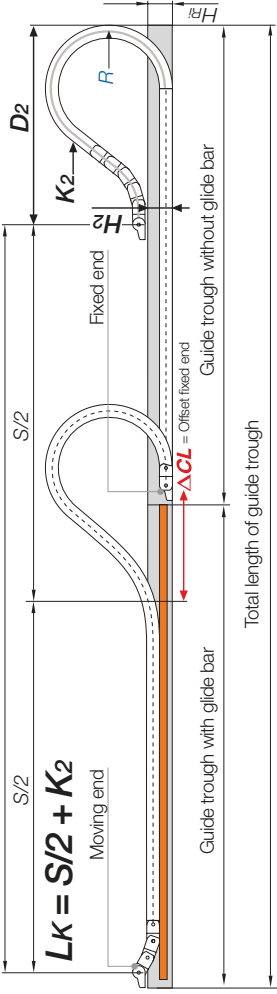


width



Inner height [mm]	26
Pitch [mm/link]	46
Links/m	22
corresponds to [mm]	1,012
e-chain® length	$L_K = S/2 + K$

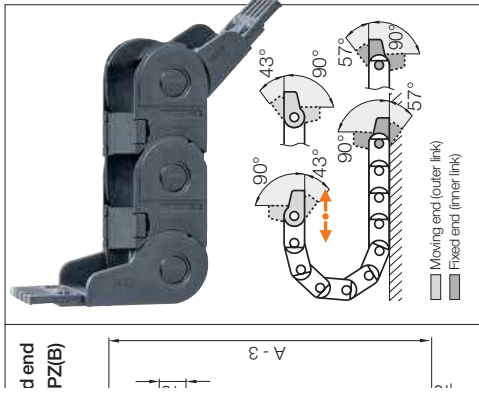
Gliding applications | For travel lengths from 10m to max. 100m



Note: Before using series E2i.26 on long travels please consult igus®.
For long travels, igus® recommends series E2.26 openable along the outer radius.
In case of travels between 4 and 10m we recommend an e-chain® with a longer unsupported length.

R	048	055	075	100	125	150	175	200	225	250
H ₂	131	110	150	100	100	100	100	100	100	100
D ₂ ²⁵	135	145	162	380	440	590	755	950	1,040	1,130
K ₂	245	265	330	644	736	1,012	1,242	1,472	1,610	1,794
ΔCL	–	–	–	204	244	364	504	674	754	804

Before using series E2i.26 on long travels please consult igus®.



and gliding applications
ing and standing applications

king	without tiwrap plate	A [mm]	B [mm]	Number of teeth
	2030.12PZ	41	12	3
	2030.12PZ	54	25	4
	2050.12PZ	73	44	6
	2070.12PZ	93	64	8
	2090.12PZ*	105	77	9
	2100.12PZ*	119	90	10
	2125.12PZ*	141	112	12

pre-

2030_34PZB_A2

Order example

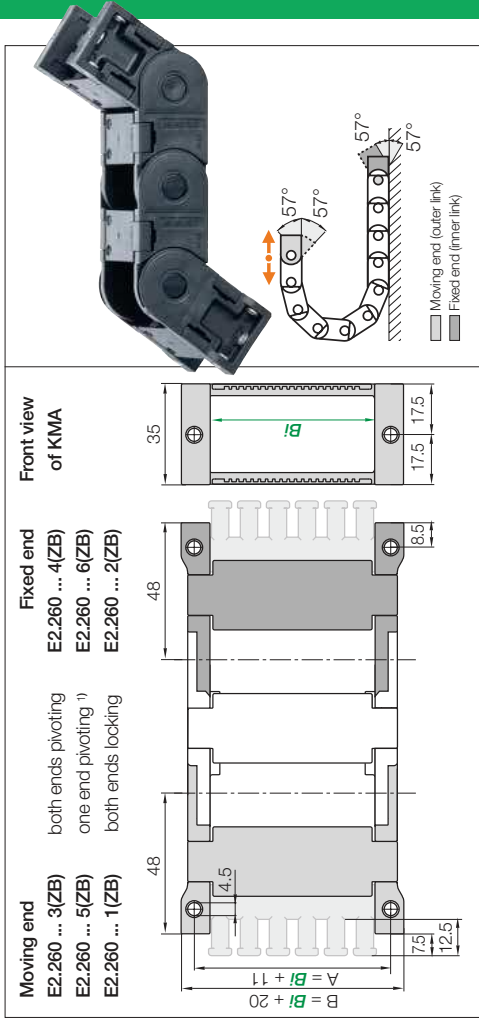
A... to indicate option
with brackets pre-filled
With integrated strain
relief tie-wrap plates
Full set
Series

2
is available from stock. The complete



/E2.26

www.hennlich.cz/lin-tech



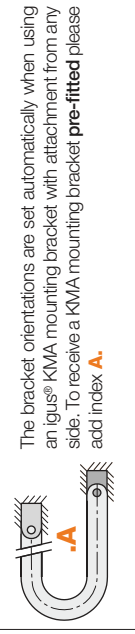
KMA pivoting	Recommended for unsupported and gliding applications
KMA locking	Recommended for vertical hanging and standing applications

Width index	Part No. full set KIMA with tiwrap plates both ends pivoting	Part No. full set KIMA with tiwrap plates one end pivoting ¹⁾	Part No. full set KIMA with tiwrap plates both ends locking	A [mm]	B [mm]	Bi [mm]	Number of teeth
025, ▲	E2.260.025.34ZB	E2.260.025.56ZB	E2.260.025.12ZB	36	45	25	2
038, ▲	E2.260.038.34ZB	E2.260.038.56ZB	E2.260.038.12ZB	49	58	38	4
057, ▲	E2.260.057.34ZB	E2.260.057.56ZB	E2.260.057.12ZB	68	77	57	6
077, ▲	E2.260.077.34ZB	E2.260.077.56ZB	E2.260.077.12ZB	88	97	77	7
089, ▲	E2.260.089.34ZB	E2.260.089.56ZB	E2.260.089.12ZB	100	109	89	9
103, ▲	E2.260.103.34ZB	E2.260.103.56ZB	E2.260.103.12ZB	114	123	103	10
125, ▲	E2.260.125.34ZB*	E2.260.125.56ZB*	E2.260.125.12ZB*	136	145	125	12

*Width available upon request. Please consult igus® for delivery time. 1) One end pivoting only to the inner radius

Optional strain relief, without tiwrap plates, please state part number **without Index ZB** (KIMA = plastic/mounting bracket)

*Width available upon request. Please consult Iguus® for delivery time. 1) One end pivoting only to the inner radius



E2.260.038.12ZB.A Order example

Category	Percentage
Pre-assembled	10%
With integrated strain relief tie-wrap plates	10%
Full set	10%
Width index	10%
Series	10%

Strain relief e.g. clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ► From page 1392

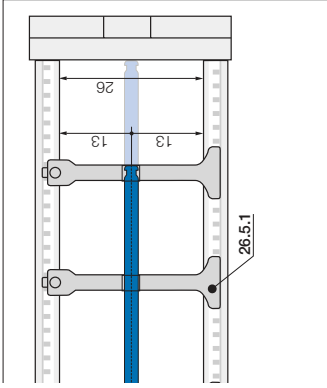


ICS 3D CAD, configurators, service life calculation and more ► www.iaus.eu/E2.1



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E-mail: lin-tech@hennlich.cz



en faster installation

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

securely in preset increments

separator for exact positioning. Recommended for
united applications.

mental separation

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

assembled	X [mm]	unassembled	assembled
2310.060	087	2300.087	2310.087
2310.062	090	2300.090	2310.090
2310.065	100	2300.100	2310.100
2310.070	103	2300.103	2310.103
2310.075	110	2300.110	2310.110
2310.077	120	2300.120	2310.120
2310.080	125	2300.125	2310.125



/E2.26



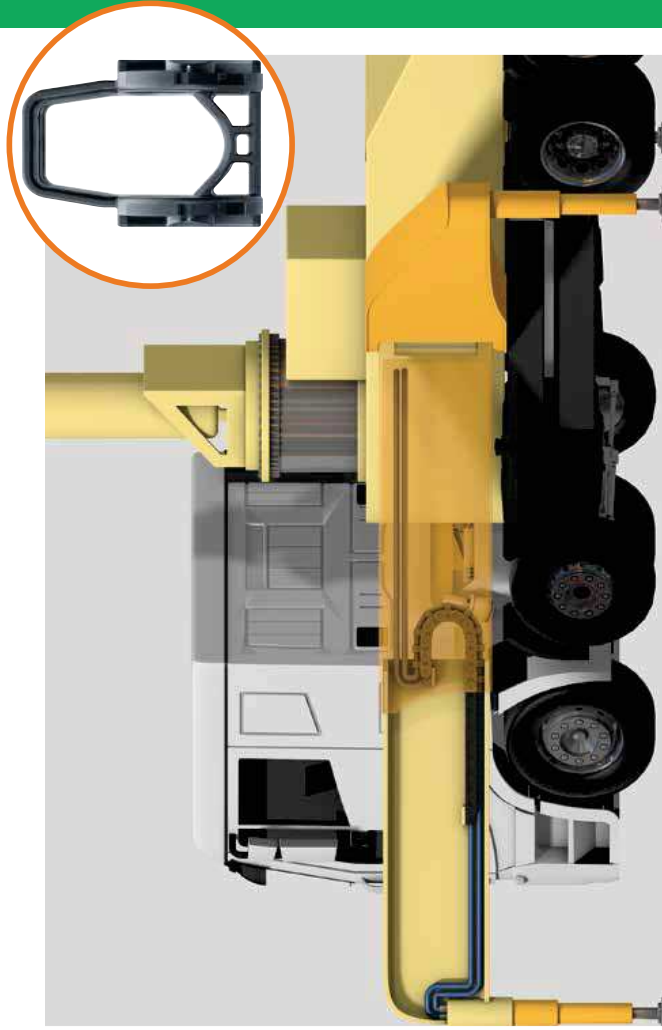
igus 3D CAD, configurators, service life calculation and more ► www.igus.eu/E2.1

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E2.1 e-chain® with extender crossbars - guidance for hydraulic hoses

- Safe, space-saving guidance of two hydraulic hoses
- Special solution for heavy machinery, e.g. for elevating work platforms
- Very hose-friendly guidance due to optimised inner contours of the e-chain®.

More information ► www.igus.eu/hydraulicchain

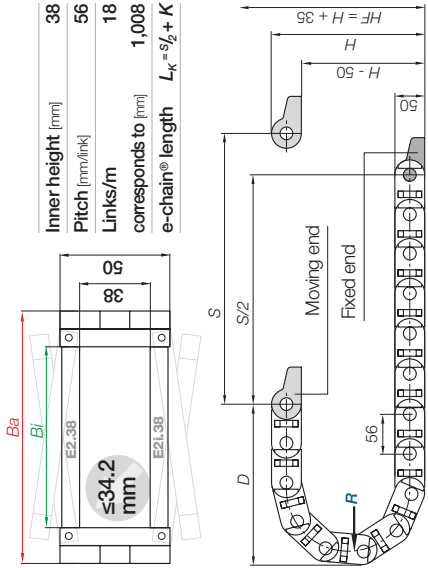
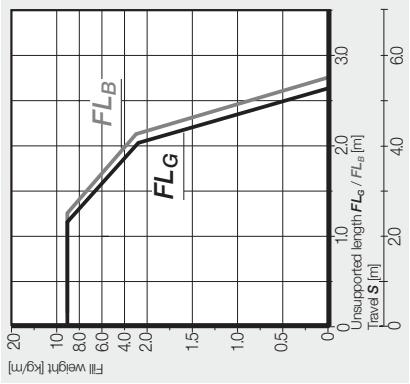
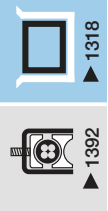


E2.1 e-chain® with extender crossbars, guidance for hydraulic hoses - can be fitted along supporting legs. [more information ► www.igus.eu/hydraulicchain](http://www.igus.eu/hydraulicchain)



g the inner radius, from both sides
g the outer radius, from both sides

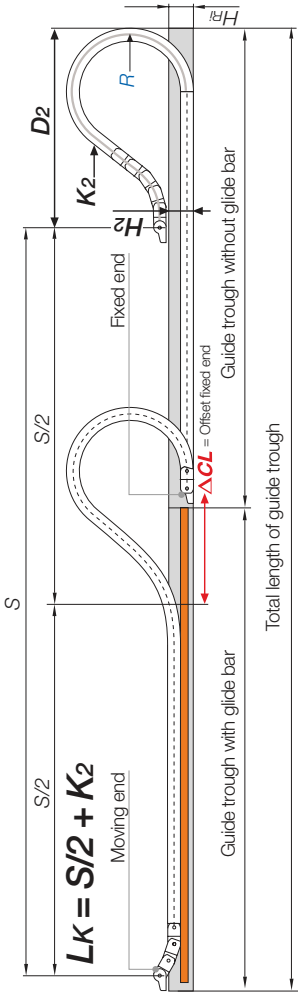
radii	E2i.38		E2i.38		[kg/m]	
					[kg/m]	[kg/m]
125	150	175	200	250	≈ 1.01	≈ 1.01
125	150	175	200	250	≈ 1.06	≈ 1.08
125	150	175	200	250	≈ 1.12	≈ 1.12
125	150	175	200	250	≈ 1.19	≈ 1.19
125	150	175	200	250	≈ 1.22	≈ 1.22
125	150	175	200	250	≈ 1.33	≈ 1.33
125	150	175	200	250	≈ 1.44	≈ 1.44
125	150	175	200	250	≈ 1.55	≈ 1.55



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

The required clearance height: $H_f = H + 35\text{mm}$ (with 2.0kg/m fill weight)
Before using series E2i.38 on long travels please consult igus®.

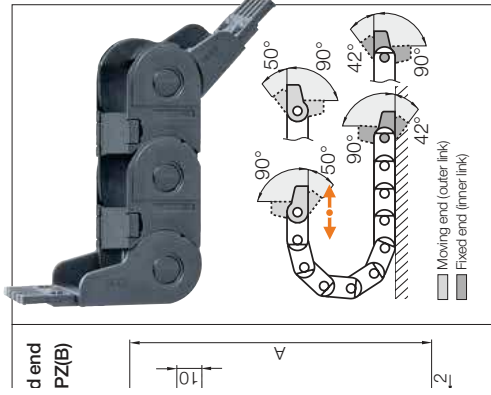
Gliding applications | For travel lengths 10m to max. 120m



Note: Before using series E2i.38 on long travels please consult igus®.
For long travels, igus® recommends series E2.38 openable along the outer radius.
In case of travels between 5 and 10m we recommend an e-chain® with a longer unsupported length.

R	063	075	100	125	150	175	200	250
H ₂	176	200	250	300	350	400	450	550
D ₂ ²⁵	172	184	209	234	259	284	309	359
K ₂	310	350	430	505	585	665	745	900
ΔCL	-	-	144	244	244	374	464	594

Before using series E2i.38 on long travels please consult igus®.

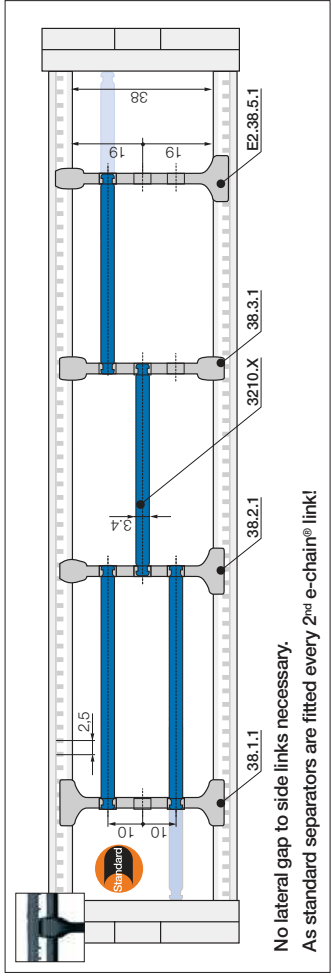


and gliding applications
ng and standing applications

king	without tie-wrap plate	A [mm]	B [mm]	Number of teeth
2605.12PZ		68	30	5
2606.12PZ		83	45	5
2607.12PZ		93	55	7
2609.12PZ		108	70	9
2610.12PZ		118	80	10
2612.12PZ		143	105	12
2615.12PZ		168	130	15
2617.12PZ		193	155	17



s are available from stock. The complete
2



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 small cables

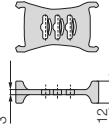
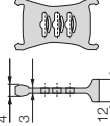
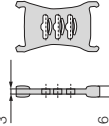
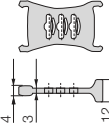
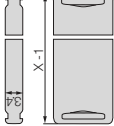
Separator with a narrow base for a large number of small cables side by side. Saves space.

Locks securely in preset increments

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

Horizontal separation

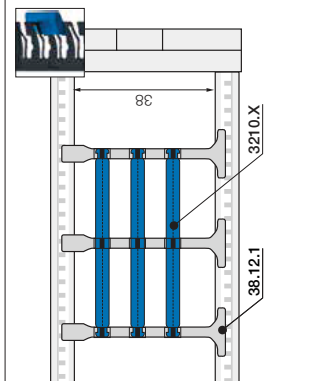
Full-width shelf locks securely into separators at both ends, giving a fixed width. Can be used as full-width or partial shelf.

 	<table><tr><td>Standard separator, wide base</td><td>38.1</td></tr><tr><td>unassembled</td><td></td></tr><tr><td>assembled</td><td>38.1.1</td></tr></table>	Standard separator, wide base	38.1	unassembled		assembled	38.1.1
Standard separator, wide base	38.1						
unassembled							
assembled	38.1.1						
 	<table><tr><td>Separator, narrow top</td><td>38.2</td></tr><tr><td>unassembled</td><td></td></tr><tr><td>assembled</td><td>38.2.1</td></tr></table>	Separator, narrow top	38.2	unassembled		assembled	38.2.1
Separator, narrow top	38.2						
unassembled							
assembled	38.2.1						
 	<table><tr><td>Separator, narrow</td><td>38.3</td></tr><tr><td>unassembled</td><td></td></tr><tr><td>assembled</td><td>38.3.1</td></tr></table>	Separator, narrow	38.3	unassembled		assembled	38.3.1
Separator, narrow	38.3						
unassembled							
assembled	38.3.1						
 	<table><tr><td>Notch separator for notched crossbar</td><td>E2.38.5</td></tr><tr><td>unassembled</td><td></td></tr><tr><td>assembled</td><td>E2.38.5.1</td></tr></table>	Notch separator for notched crossbar	E2.38.5	unassembled		assembled	E2.38.5.1
Notch separator for notched crossbar	E2.38.5						
unassembled							
assembled	E2.38.5.1						
 	<table><tr><td>Shelf, lockable</td><td>3200.X</td></tr><tr><td>unassembled</td><td></td></tr><tr><td>assembled</td><td>3210.X</td></tr></table>	Shelf, lockable	3200.X	unassembled		assembled	3210.X
Shelf, lockable	3200.X						
unassembled							
assembled	3210.X						

Shelves
Width = X [mm]



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



separators

For to fill e-chains® more easily and effectively, these separators can be split in the middle. This allows easier to middle shelf partitions. Fast assembly and easy 2 types available: with wide or narrow top.

separators¹⁾

Quick fitting of shelves in several layers.

Please combine maximum 4 lean separators with one e-chain suitable for side-mounted e-chains®!





g the inner radius, from both sides
g the outer radius, from both sides

radii	E2i.48	E2.48
		[kg/m]
150 175 200 250 300	≈ 1,77	≈ 1,77
150 175 200 250 300	≈ 1,86	≈ 1,86
150 175 200 250 300	≈ 2,00	≈ 2,00
150 175 200 250 300	≈ 2,06	≈ 2,06
150 175 200 250 300	≈ 2,12	≈ 2,12
150 175 200 250 300	≈ 2,24	≈ 2,24
150 175 200 250 300	≈ 2,36	≈ 2,36
150 175 200 250 300	≈ 2,48	≈ 2,48
150 175 200 250 300	≈ 2,60	≈ 2,60
150 175 200 250 300	≈ 2,72	≈ 2,72



E2i.48

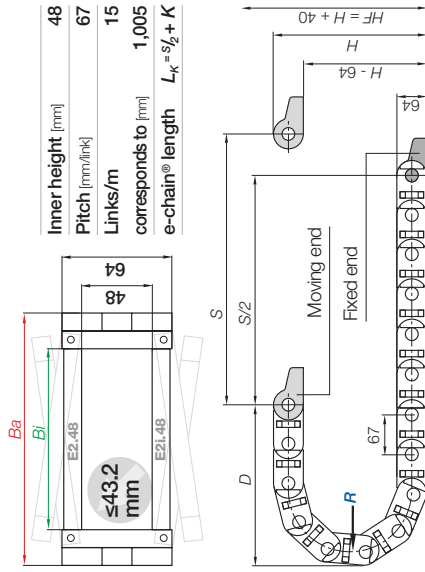
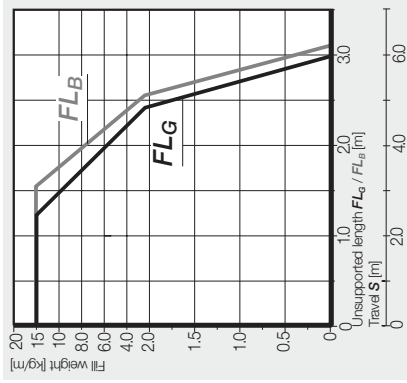


E2.1 | E2i.48-E2.48 | Installation dimensions

Unsupported applications | Short travels



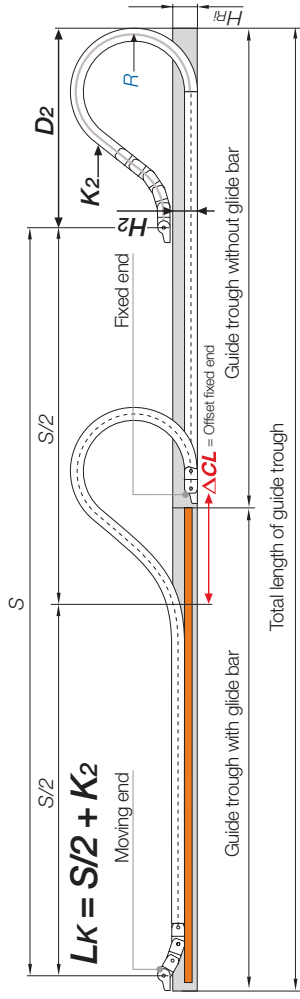
E2i.48
E2.48



R	075	100	125	150	175	200	250	300
H	214	264	314	364	414	464	564	664
D	208	233	258	283	308	333	383	433
K	370	450	530	610	685	765	920	1,080

The required clearance height: $H_f = H + 40\text{mm}$ (with 2.5kg/m fill weight)
Before using series E2i.48 on long travels please consult igus®.

Gliding applications | For travel lengths 10m to max. 150m



Note: Before using series E2i.48 on long travels please consult igus®.

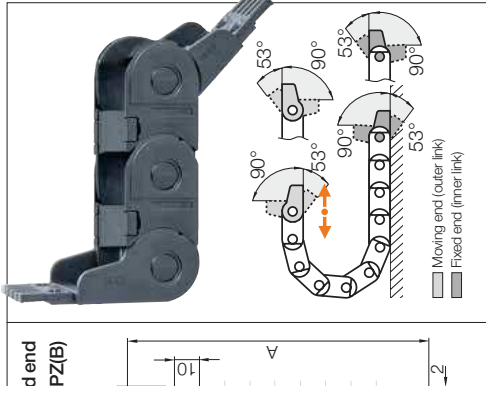
For long travels, igus® recommends series E2.48 openable along the outer radius.

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

R	075	100	125	150	175	200	250	300
H ₂	214	264	314	364	414	464	564	664
D ₂ ²⁵	208	233	258	283	308	333	383	433
K ₂	370	450	530	610	685	765	920	1,080
ΔCL	—	—	233	303	433	463	643	733

Before using series E2i.48 on long travels please consult igus®.

igus 3D CAD, configurators, service life calculation and more ► www.igus.eu/E2.1



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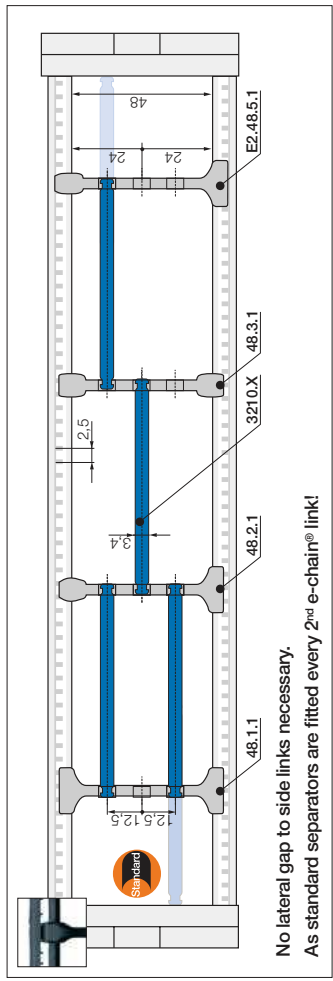
o.z. LIN-TECH HENNlich s.r.o.
Českolipská 9, 412 01 Litoměřice

and gliding applications ng and standing applications

king	without tie-wrap plate	A [mm]	B [mm]	Number of teeth
	3050.12PZ*	71	28	5
	3075.12PZ	96	53	7
	3100.12PZ	121	78	10
	3115.12PZ	136	93	11
	3125.12PZ*	146	103	12
	3150.12PZ	171	128	15
	3175.12PZ	196	153	17
	3200.12PZ*	221	178	20
	3225.12PZ*	246	203	22
	3250.12PZ*	271	228	25



s are available from stock. The complete
2



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 small cables

Separator with a narrow base for a large number of small 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.

		Standard separator, wide base	unassembled 48.1 assembled 48.1.1
		Separator, narrow top	unassembled 48.2 assembled 48.2.1
		Separator, narrow	unassembled 48.3 assembled 48.3.1
		Notch separator for notched crossbar	unassembled E2.48.5 assembled E2.48.5.1
		Shelf, lockable	unassembled 3200.X assembled 3210.X

Shelves
Width = X [mm]



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

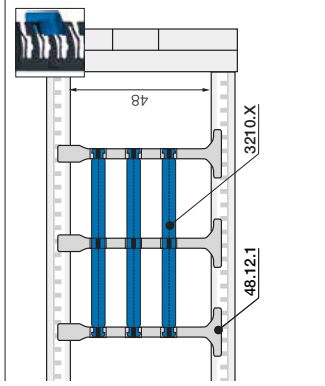
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www.hennlich.cz/lin-tech



separators

r to fill e-chains® more easily and effectively, these
lors can be split in the middle. This allows easier
to middle shelf partitions. Fast assembly and easy
2 types available: with wide or narrow top.

separators¹⁾

ck fitting of shelves in several layers.

**Please combine maximum 4 lean separators with one
xt suitable for side-mounted e-chains®!**



E2i.48

igus

igus 3D CAD, configurators, service life calculation and more ► www.igus.eu/E2.1

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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 optimised honeycomb design for the best hold
- Universal use, compact, space-saving design

More information ► From page 1422



Crossbar with integrated grid and openable from both ends - from the top or the side with a screwdriver