

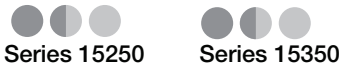
15250
15350



E-Chain System® E4 Light Series 15250/15350

3.39

Price Index



Special Features / Options

ESD classification:
Electrically conductive ESD/
ATEX version upon request

High torsional rigidity

Side-mounted - unsupported

Assembly Tips



Opening E-Chains®: Remove crossbars and clips - Insert screwdriver into the slot, push down, release by lever action



Remove lids/bottoms (E-Tubes) - Insert screwdriver into the slot, release by lever action

Other Installation Methods

- Vertical, hanging ≤ 262 ft (80 m)
- Vertical, standing ≤ 19.69 ft (6 m)
- Side-mounted, un supp. ≤ 6.56 ft (2 m)
- Rotary requires further calculation

Usage Guidelines

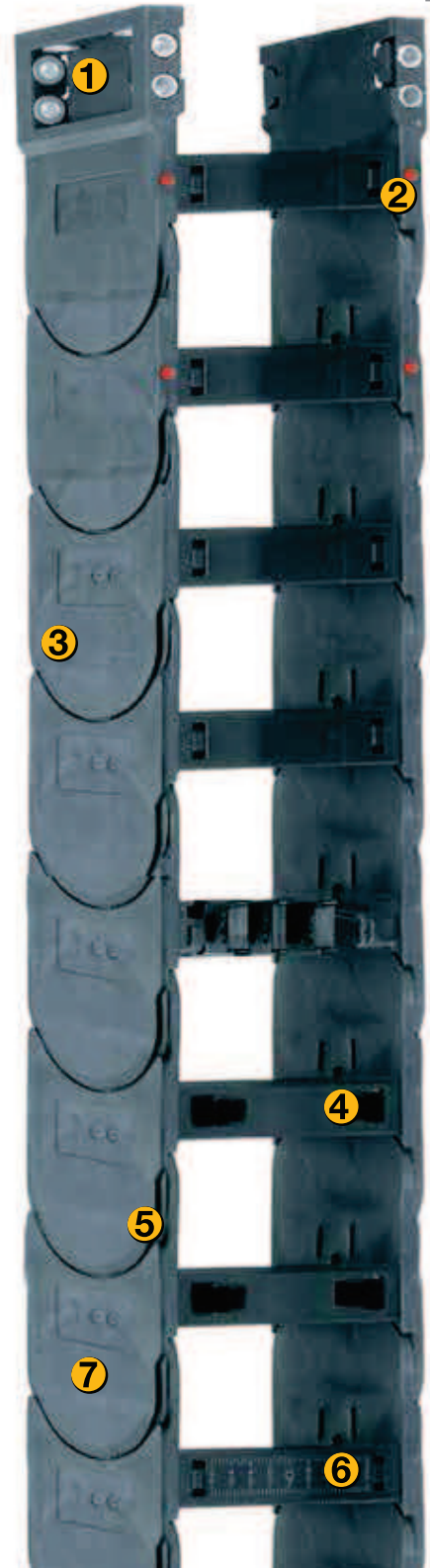
- If weight and price reduction is needed
- If an E-Chain®/E-Tube with an inner height of 3.39" (86 mm) is required

- If an extremely low-noise and low-vibration version is required
 - Series E6-80
- If side-mounted chain with a longer unsupported travel is required
 - Series E4-80, Series 15050
- If increased unsupported lengths and longer travels are required
 - Series E4-80, Series 15050
- If high fill weights and/or stiff cables and hoses are used
 - Series 15050
- If chip protection is necessary
 - Series 19850

6.165

Features & Benefits

- 1 KMA mounting brackets with attachment points on all sides
- 2 Noise dampening pads, optional = -10dB(A)
- 3 Lateral glide surfaces for side-mounted operation
- 4 25% faster assembly with QuickLock Crossbar
- 5 High stability due to undercut design
- 6 Notch crossbar with visual scale
- 7 No camber: no rework due to special design



Order Example: Complete E-Chain®

Please indicate chain length or number of links. Example:

16.4 ft (5 m) 15250-12-250-0

E-Chain®

With 2 separators 86-1-1 assembled every 2nd link

Interior Separation

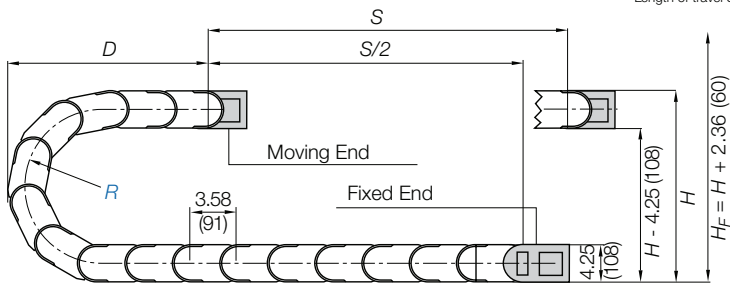
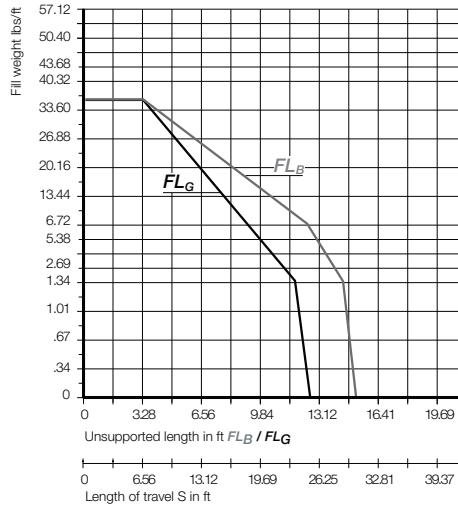
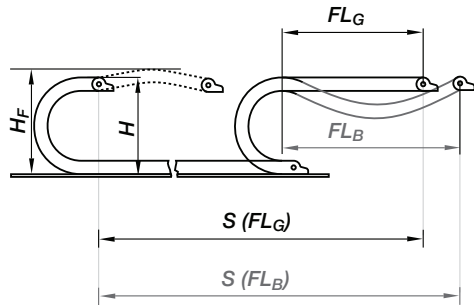
1 Set 152500-12-12P

Mounting Bracket

E-Chain System® E4 Light Series 15250/15350 Installation Dimensions

Short travel, unsupported length

- FL_B = unsupported with permitted sag
 - FL_G = unsupported with straight upper run
- Further information ► Design, Chapter 1



Pitch per link = 3.58" (91 mm)
Links per ft (m) = 3.35 (11)
For center mount applications:
Chain length = $\frac{S}{2} + K$

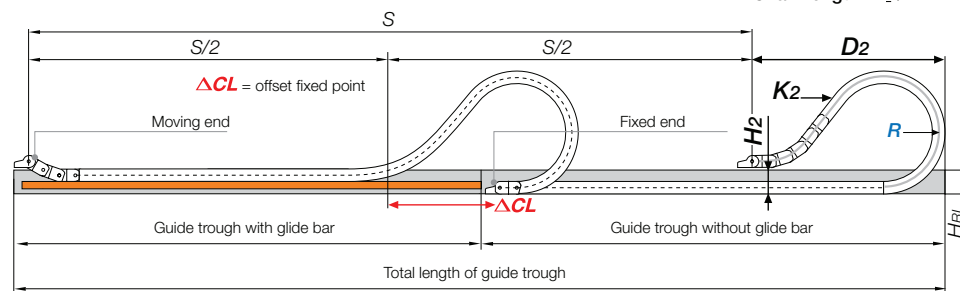
The required clearance height: $H_F = H + 2.36$ in. (60 mm) (with 2.02 lbs/ft (3 kg/m) fill weight).
Please consult igus® if space is particularly restricted.

R	5.91 (150)	7.87 (200)	9.84 (250)	11.81 (300)	13.78 (350)	15.75 (400)	19.68 (500)	23.62 (600)
H_{25}	16.06 (408)	20.00 (508)	23.94 (608)	27.87 (708)	31.81 (808)	35.75 (908)	43.62 (1108)	51.50 (1308)
D	13.43 (341)	15.39 (391)	17.36 (441)	19.33 (491)	21.30 (541)	23.27 (591)	27.20 (691)	31.14 (791)
K	25.79 (655)	32.09 (815)	38.19 (970)	44.29 (1125)	50.59 (1285)	56.69 (1440)	69.09 (1755)	81.50 (2070)

For long travels with lowered mounting height

Long travel lengths from 32.8 ft.(10m) to max. 820 ft. (250m)

For center mount applications:
Chain length = $\frac{S}{2} + K_2$



R	5.91 (150*)	7.87 (200)	9.84 (250)	11.81 (300)	13.78 (350)	15.75 (400)	19.68 (500)	23.62 (600*)
H_2	9.53 (242)	9.53 (242)	9.53 (242)	9.53 (242)	9.53 (242)	9.53 (242)	9.53 (242)	*
D_2^{+25}	21.65 (550)	31.50 (800)	37.40 (950)	47.24 (1200)	61.02 (1550)	66.93 (1700)	85.63 (2175)	*
K_2	35.83 (910)	50.16 (1274)	64.49 (1638)	78.82 (2002)	96.73 (2457)	107.48 (2730)	136.14 (3458)	*
ΔCL	8.23 (209)	16.10 (409)	20.04 (509)	27.91 (709)	39.72 (1009)	43.66 (1109)	58.42 (1484)	*

For support of the lower run, see Chapter 9 for the Support Tray tool kit

Speed / acceleration FL_G	max. 65.6 ft/s (20 m/s) / max. 656 ft/s ² (200 m/s ²)
Speed / acceleration FL_B	max. 9.84 ft/s (3 m/s) / max. 19.69 ft/s ² (6 m/s ²)
Gliding speed / acceleration (maximum)	max. 32.8 ft/s (10 m/s) / max. 164 ft/s ² (50 m/s ²)
Material - permitted temperature	igumid G / -40°F (-40°C) up to +248°F (+120°C)
Flammability Class, igumid G	VDE 0304 IIC UL94 HB



15050
15150
R19850

Short Travels - Unsupported



Unsupported E-Chains® feature positive camber over short travels. This must be accounted for when specifying the clearance height. Please refer to Installation dimensions for further details.

Legend

- S = Length of travel
- R = Bending radius
- H = Nominal clearance height
- D = Overlength E-Chain® radius in final position
- $K = \pi \cdot R + \text{safety buffer}$
- H_F = Required clearance height
- H_{Fri} = Trough inner height
- H_2 = *Mounting height
- D_2 = Overlength - long travels, gliding
- K_2 = *Add-on

*If the mounting bracket location is set lower

Long Travels - Gliding



If the unsupported length is exceeded, the E-Chain®/ Tube must glide on itself. This requires a guide trough.

Design, Chapter 1

Technical Data



Details of material properties ► Chapter 1



PDF: www.igus.com/e-chain-pdfs
Specs/CAD/RFQ: www.igus.com/e-chains
RoHS info: www.igus.com/RoHS



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15350



E-Chain System® E4 Light Series 15250/15350

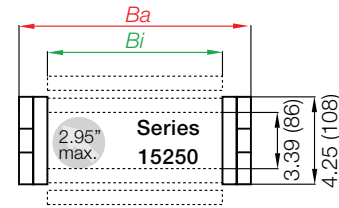
igus® E-Chain
System®

Telephone 1-800-521-2747
Fax 1-401-438-7270

Internet: <http://www.igus.com>
email: sales@igus.com
QuickSpec: <http://www.igus.com/quickspec>

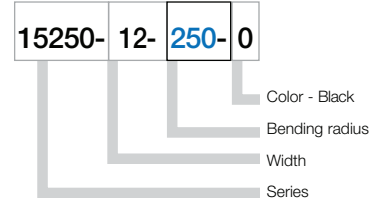
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Series 15250 - E-Chain® with crossbars every link

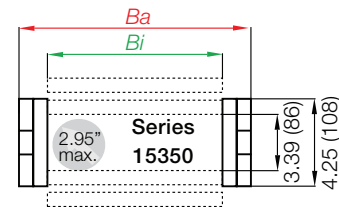


- Crossbars every link
- For use with rigid hydraulic hoses
- For particularly demanding applications
- Can be opened from both sides

Part Number Structure

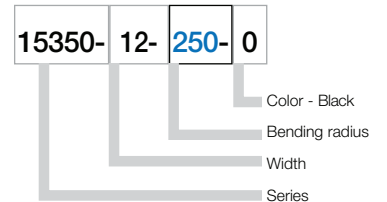


Series 15350 - E-Chain® with crossbars every other link

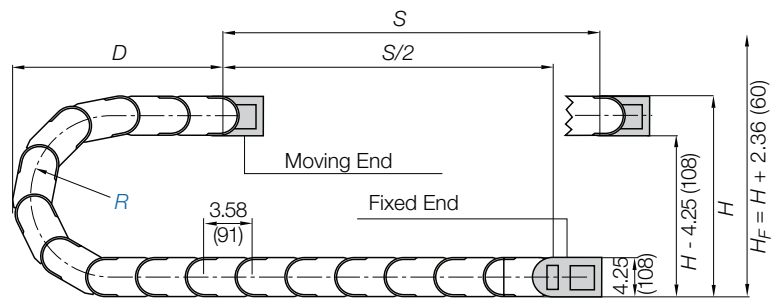
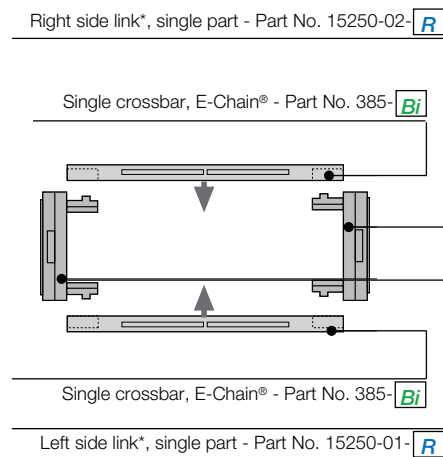


- Crossbars every other link - Standard configuration
- For nearly every situation
- Can be opened from both sides
- Easy assembly
- Stable
- Cost-effective

Part Number Structure



E-Chain® as separate parts, links and side plates



*View from the fixed point of the E-Chain®/E-Tube

E-Chain System® E4 Light Series 15250/15350

Supplement part number with required radius. Example: 15250-30-300-0
Pitch: 3.58 in. (91 mm) per link links/ft (m) = 3.35 (11)



15250
15350

Part Number.				<i>Bi</i>	<i>Ba</i>	15250	15350
Crossbars Every link	Crossbars Every other			in. (mm)	in. (mm)	lbs/ft (kg/m)	lbs/ft (kg/m)
15250-05-	15350-05-	<input type="checkbox"/>	-0	1.97 (50)	3.15 (80)	≈ 2.45 (3.64)	≈ 2.39 (3.56)
15250-06-	15350-06-	<input type="checkbox"/>	-0	2.68 (68)	3.86 (98)	≈ 2.50 (3.72)	≈ 2.42 (3.60)
15250-07-	15350-07-	<input type="checkbox"/>	-0	2.95 (75)	4.13 (105)	≈ 2.51 (3.74)	≈ 2.43 (3.61)
15250-087-	15350-087-	<input type="checkbox"/>	-0	3.43 (87)	4.61 (117)	≈ 2.55 (3.79)	≈ 2.44 (3.63)
15250-097-	15350-097-	<input type="checkbox"/>	-0	3.82 (97)	5.00 (127)	≈ 2.57 (3.83)	≈ 2.45 (3.65)
15250-10-	15350-10-	<input type="checkbox"/>	-0	3.94 (100)	5.12 (130)	≈ 2.59 (3.85)	≈ 2.46 (3.66)
15250-11-	15350-11-	<input type="checkbox"/>	-0	4.25 (108)	5.43 (138)	≈ 2.60 (3.87)	≈ 2.47 (3.67)
15250-112-	15350-112-	<input type="checkbox"/>	-0	4.41 (112)	5.63 (143)	≈ 2.61 (3.88)	≈ 2.47 (3.68)
15250-12-	15350-12-	<input type="checkbox"/>	-0	4.92 (125)	6.10 (155)	≈ 2.65 (3.95)	≈ 2.49 (3.71)
15250-137-	15350-137-	<input type="checkbox"/>	-0	5.39 (137)	6.57 (167)	≈ 2.67 (3.98)	≈ 2.51 (3.73)
15250-15-	15350-15-	<input type="checkbox"/>	-0	5.91 (150)	7.09 (180)	≈ 2.71 (4.04)	≈ 2.52 (3.75)
15250-162-	15350-162-	<input type="checkbox"/>	-0	6.38 (162)	7.60 (193)	≈ 2.73 (4.06)	≈ 2.53 (3.76)
15250-17-	15350-17-	<input type="checkbox"/>	-0	6.61 (168)	7.80 (198)	≈ 2.76 (4.11)	≈ 2.55 (3.79)
15250-18-	15350-18-	<input type="checkbox"/>	-0	6.89 (175)	8.07 (205)	≈ 2.77 (4.12)	≈ 2.55 (3.80)
15250-187-	15350-187-	<input type="checkbox"/>	-0	7.36 (187)	8.58 (218)	≈ 2.79 (4.15)	≈ 2.56 (3.81)
15250-20-	15350-20-	<input type="checkbox"/>	-0	7.87 (200)	9.05 (230)	≈ 2.84 (4.23)	≈ 2.59 (3.85)
15250-212-	15350-212-	<input type="checkbox"/>	-0	8.35 (212)	9.56 (243)	≈ 2.86 (4.26)	≈ 2.59 (3.86)
15250-23-	15350-23-	<input type="checkbox"/>	-0	8.86 (225)	10.04 (255)	≈ 2.90 (4.32)	≈ 2.61 (3.89)
15250-237-	15350-237-	<input type="checkbox"/>	-0	9.33 (237)	10.55 (268)	≈ 2.92 (4.34)	≈ 2.62 (3.90)
15250-25-	15350-25-	<input type="checkbox"/>	-0	9.84 (250)	11.02 (280)	≈ 2.97 (4.42)	≈ 2.65 (3.94)
15250-262-	15350-262-	<input type="checkbox"/>	-0	10.31 (262)	11.54 (293)	≈ 3.00 (4.47)	≈ 2.67 (3.97)
15250-28-	15350-28-	<input type="checkbox"/>	-0	10.83 (275)	12.01 (305)	≈ 3.03 (4.51)	≈ 2.68 (3.99)
15250-29-	15350-29-	<input type="checkbox"/>	-0	11.30 (287)	12.52 (318)	≈ 3.04 (4.53)	≈ 2.69 (4.00)
15250-30-	15350-30-	<input type="checkbox"/>	-0	11.81 (300)	12.99 (330)	≈ 3.10 (4.61)	≈ 2.71 (4.04)
15250-312-	15350-312-	<input type="checkbox"/>	-0	12.28 (312)	13.50 (343)	≈ 3.11 (4.63)	≈ 2.72 (4.05)
15250-325-	15350-325-	<input type="checkbox"/>	-0	12.79 (325)	13.98 (355)	≈ 3.15 (4.69)	≈ 2.73 (4.06)
15250-337-	15350-337-	<input type="checkbox"/>	-0	13.27 (337)	14.49 (368)	≈ 3.18 (4.73)	≈ 2.76 (4.10)
15250-350-	15350-350-	<input type="checkbox"/>	-0	13.78 (350)	14.96 (380)	≈ 3.27 (4.87)	≈ 2.80 (4.17)
15250-362-	15350-362-	<input type="checkbox"/>	-0	14.25 (362)	15.47 (393)	≈ 3.31 (4.92)	≈ 2.82 (4.20)
15250-375-	15350-375-	<input type="checkbox"/>	-0	14.76 (375)	15.94 (405)	≈ 3.34 (4.97)	≈ 2.84 (4.22)
15250-387-	15350-387-	<input type="checkbox"/>	-0	15.24 (387)	16.46 (418)	≈ 3.37 (5.01)	≈ 2.85 (4.24)
15250-400-	15350-400-	<input type="checkbox"/>	-0	15.75 (400)	16.93 (430)	≈ 3.39 (5.05)	≈ 2.86 (4.26)

Choose from the radii below for all of the above sizes

Radius (mm) Example: 15250-30-300-0

	150	200	250	300	350	400	500	600
<i>R</i>	5.91 (150)	7.87 (200)	9.84 (250)	11.81 (300)	13.78 (350)	15.75 (400)	19.68 (500)	23.62 (600)
<i>H</i> ₂₅	16.06 (408)	20.00 (508)	23.94 (608)	27.87 (708)	31.81 (808)	35.75 (908)	43.62 (1108)	51.50 (1308)
<i>D</i>	13.43 (341)	15.39 (391)	17.36 (441)	19.33 (491)	21.30 (541)	23.27 (591)	27.20 (691)	31.14 (791)
<i>K</i>	25.79 (655)	32.09 (815)	38.19 (970)	44.29 (1125)	50.59 (1285)	56.69 (1440)	69.09 (1755)	81.50 (2070)

0=Standard color black. For other colors see Chapter 1
For large diameter hoses see page 6.170

PDF: www.igus.com/e-chain-pdfs
Specs/CAD/RFQ: www.igus.com/e-chains
RoHS info: www.igus.com/RoHS

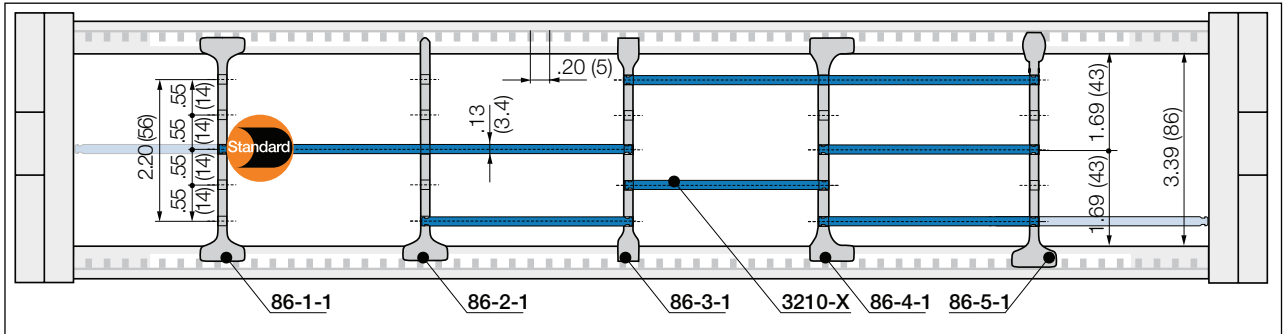


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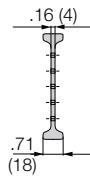


E-Chain System® E4 Light
Series 15250/15350
Special Accessories

igus® E-Chain
System®



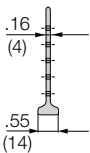
In the standard configuration separators are assembled every 2nd E-Chain® link



Separator, wide base

Unassembled **Part No. 86-1**
Assembled **Part No. 86-1-1**

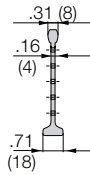
- **Standard separator 86-1**
for all applications
Separator with wide base for maximum locking strength and safe standing in E-Chains®.



Separator for QuickLock crossbar

Unassembled **Part No. 86-2**
Assembled **Part No. 86-2-1**

- **Separator 86-2**
For even faster installation
Separator for igus® QuickLock crossbar 385-X-Q. Firm hold to one side with a wide base, narrow on opposed side for easy cable assembly (slight grip)

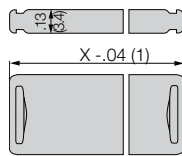


Notch separator for notch crossbar

Unassembled **Part No. 86-5**
Assembled **Part No. 86-5-1**

- **Separator 86-5**
Locks safely in .20" (5 mm) increments
Notch separator for exact positioning in E-Chains®. Recommended for side mounted applications.

Lockable full-width shelves - for the standard interior separation



Full width shelf, lockable

Unassembled **Part No. 3200-X**
Assembled **Part No. 3210-X**

- **Full width shelf, lockable**
Shelf locks into separators on both ends, fixed width possible. Separators can be moved freely over the shelf in horizontal direction. Can be arranged at 3 different heights.

Width X in. (mm)	Part No. Unassembled	Part No. Assembled	Width X in. (mm)	Part No. Unassembled	Part No. Assembled
1.97 (050)	3200-50	3210-50	5.91 (150)	3200-150	3210-150
2.95 (075)	3200-75	3210-75	6.89 (175)	3200-175	3210-175
3.94 (100)	3200-100	3210-100	7.87 (200)	3200-200	3210-200
4.53 (115)	3200-115	3210-115	8.86 (225)	3200-225	3210-225
4.92 (125)	3200-125	3210-125	9.84 (250)	3200-250	3210-250

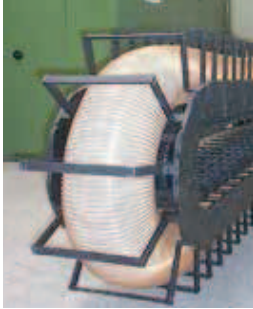
Telephone 1-800-521-2747
Fax 1-401-438-7270

Internet: <http://www.igus.com>
email: sales@igus.com
QuickSpec: <http://www.igus.com/quickspec>

E-Chain System® E4 Light Series 15250/15350 Mounting Brackets - KMA



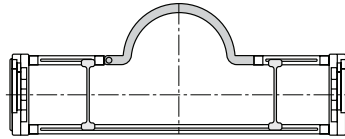
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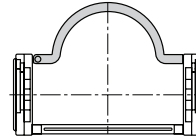
Consult igus® for your extender crossbar applications. We will be happy to assist you with your design layout.

Extender crossbars - For careful guiding of large diameter cables and hoses

- Intended for cables and hoses with a maximum outer diameter of 4.53 in. (115 mm).
- Gliding operation with crossbars assembled along the outer radius in conjunction with a special guide trough
- Gliding operation not guaranteed with crossbars assembled along the inner radius
- The extender crossbar can either be attached to the side links directly or can be used in combination with two standard snap-open crossbars.



Round extender crossbar combined with standard snap-open crossbars.

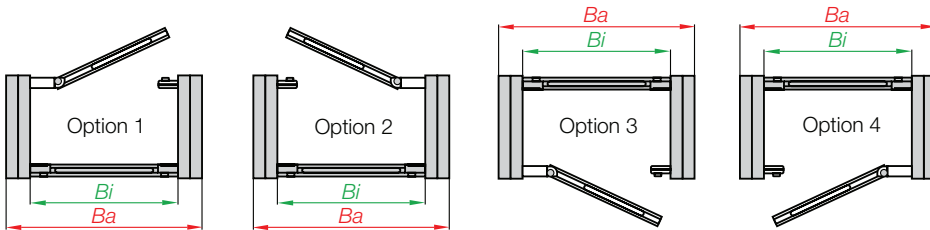


Attached directly to the side link.

Part No.	Max Ø Hose in. (mm)	Style	Installation Side Link	Combined with Snap-Open Crossbars
385-15-RHD115	4.53 (115)	Round	No	Yes
385-18-RD115	4.53 (115)	Round	Yes	No

Hinged crossbars

- Typically, E-Chain® crossbars are completely removable. In cases where it is preferable that the opening crossbars remain on the E-Chain®, a hinged design has been developed.
- Please consult igus® for design assistance



PDF: www.igus.com/e-chain-pdfs
Specs/CAD/RFQ: www.igus.com/e-chains
RoHS info: www.igus.com/RoHS



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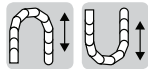
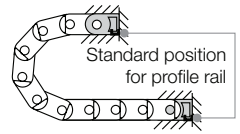
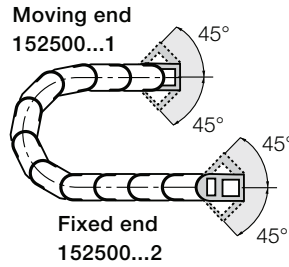
E-Chain System® E4 Light Series 15250/15350 Mounting Brackets - KMA



Standard

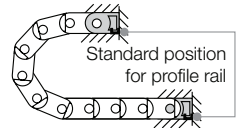
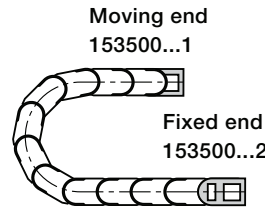
Option 1: KMA pivoting

- Profile rail option
- Universal use
- Corrosion resistant
- Short and long travels
- Space-restricted conditions

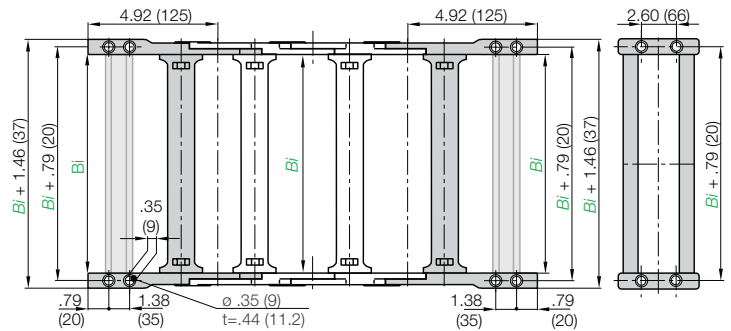
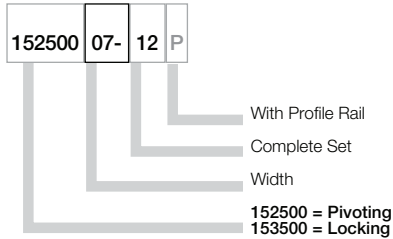


Option 2: KMA locking

- Profile rail option
- Universal use
- Corrosion resistant
- Extreme accelerations
- Vertical hanging/standing travels



Part Number Structure



Full set, for both ends:

152500-05-12 Full set, each part with pin/bore

Single-part order:

152500-05-1 Mounting bracket with bore
152500-05-2 Mounting bracket with pin

Bracket Mounting Dimensions

Width	Part No. Full Set		With Profile Rail	Bi in. (mm)	Width	Part No. Full Set		With Profile Rail	Bi in. (mm)		
	Pivoting	Locking				Pivoting	Locking				
-05	152500	153500	-05-12	P	1.97 (50)	-212	152500	153500	-212-12	P	8.35 (212)
-06	152500	153500	-06-12	P	2.56 (65)	-23	152500	153500	-23-12	P	8.86 (225)
-07	152500	153500	-07-12	P	2.95 (75)	-237	152500	153500	-237-12	P	9.33 (237)
-087	152500	153500	-087-12	P	3.43 (87)	-25	152500	153500	-25-12	P	9.84 (250)
-09	152500	153500	-09-12	P	3.82 (97)	-262	152500	153500	-262-12	P	10.31 (262)
-10	152500	153500	-10-12	P	3.94 (100)	-28	152500	153500	-28-12	P	10.83 (275)
-11	152500	153500	-11-12	P	4.25 (108)	-29	152500	153500	-29-12	P	11.30 (287)
-112	152500	153500	-112-12	P	4.41 (112)	-30	152500	153500	-30-12	P	11.81 (300)
-12	152500	153500	-12-12	P	4.92 (125)	-312	152500	153500	-312-12	P	12.28 (312)
-137	152500	153500	-137-12	P	5.39 (137)	-325	152500	153500	-325-12	P	12.79 (325)
-15	152500	153500	-15-12	P	5.91 (150)	-337	152500	153500	-337-12	P	13.27 (337)
-162	152500	153500	-162-12	P	6.38 (162)	-350	152500	153500	-350-12	P	13.78 (350)
-17	152500	153500	-17-12	P	6.61 (168)	-362	152500	153500	-362-12	P	14.25 (362)
-18	152500	153500	-18-12	P	6.89 (175)	-375	152500	153500	-375-12	P	14.76 (375)
-187	152500	153500	-187-12	P	7.36 (187)	-387	152500	153500	-387-12	P	15.24 (387)
-20	152500	153500	-20-12	P	7.87 (200)	-400	152500	153500	-400-12	P	15.75 (400)

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E-Chain System® E4 Light

Series 15250/15350

Strain Relief



15250
15350

Chainfix clamps for the profile rail



igus® Chainfix strain relief elements are available in either steel or stainless steel. They can be adjusted with a hexagon socket and are available in single, double and triple configurations.

Part No. Single Clamp		Part No. Double Clamp		Part No. Triple Clamp		Cable ø	
Steel	Stainless	Steel	Stainless	Steel	Stainless	in.	(mm)
CFX12-1	CFX12-1E	CFX12-2	CFX12-2E	CFX12-3	-	.24 - .47	(6 - 12)
CFX14-1	CFX14-1E	CFX14-2	CFX14-2E	CFX14-3	-	.47 - .55	(12 - 14)
CFX16-1	CFX16-1E	CFX16-2	CFX16-2E	CFX16-3	-	.55 - .63	(14 - 16)
CFX18-1	CFX18-1E	CFX18-2	CFX18-2E	CFX18-3	-	.63 - .71	(16 - 18)
CFX20-1	CFX20-1E	CFX20-2	CFX20-2E	CFX20-3	-	.71 - .79	(18 - 20)
CFX22-1	CFX22-1E	CFX22-2	CFX22-2E	CFX22-3	-	.79 - .87	(20 - 22)
CFX26-1	CFX26-1E	CFX26-2	CFX26-2E	-	-	.87 - 1.02	(22 - 26)
CFX30-1	CFX30-1E	CFX30-2	CFX30-2E	-	-	1.02 - 1.18	(26 - 30)
CFX34-1	CFX34-1E	CFX34-2	CFX34-2E	-	-	1.18 - 1.34	(30 - 34)
CFX38-1	CFX38-1E	-	-	-	-	1.34 - 1.50	(34 - 38)
CFX42-1	CFX42-1E	-	-	-	-	1.50 - 1.65	(38 - 42)

For more information please refer to strain relief section of Chapter 10

Chainfix Clip

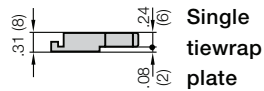
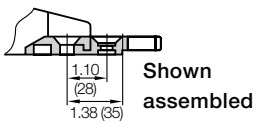


Modular snap-on strain relief device

Chainfix clip is available for cable diameters ranging from .16" (4mm) to .94" (24 mm). It is suitable for assembly on KMA mounting brackets, clip-on strain relief for crossbars as well as profile rails. Quick assembly without the use of tools. For more information please refer to strain relief section of Chapter 10

Cable ø	Part No. Clamp	Part No. Bottom
.16-.31 (4-8)	CFC-08-M	CFC-08-C
.31-.47 (8-12)	CFC-12-M	CFC-12-C
.47-.63 (12-16)	CFC-16-M	CFC-16-C
.63-.79 (16-20)	CFC-20-M	CFC-20-C
.79-.94 (20-24)	CFC-24-M	CFC-24-C

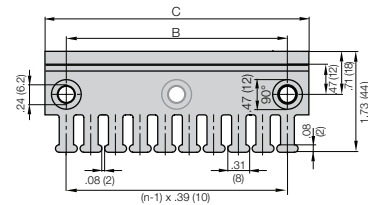
Tiewrap Plates



Option 1: Tiewrap plates as an individual part

Available as an individual component, can be fixed onto a mounting bracket with the use of a profile rail.

Tiewrap Plate	n Number of Teeth	C Overall Width in. (mm)	B Bore Width in. (mm)	Center Bore
3050-ZB	5	1.97 (50)	1.18 (30)	no
3075-ZB	7	2.95 (75)	2.16 (55)	no
3100-ZB	10	3.94 (100)	3.15 (80)	no
3115-ZB	11	4.53 (115)	3.74 (95)	no
3125-ZB	12	4.92 (125)	4.13 (105)	no
3150-ZB	15	5.91 (150)	5.12 (130)	no
3175-ZB	17	6.89 (175)	6.10 (155)	no
3200-ZB	20	7.87 (200)	7.09 (180)	yes
3225-ZB	22	8.86 (225)	8.07 (205)	yes
3250-ZB	25	9.84 (250)	9.06 (230)	yes



If used with KMA brackets with profile rail please add "KMA" to the end of the part number.

Example: 3050-ZBKMA

For more information please refer to strain relief section of Chapter 10



Option 2: Clip-on Tiewrap plates

Available as a clip-on tiewrap plate without the use of bolts. They are inserted and removed with a screwdriver used as a lever. Clip-on tiewrap plates are also available as an attachment to the opening crossbars.

Part No.	Number of Teeth	Width of Strain Relief in. (mm)
3050-ZC	5	1.97 (50)
3075-ZC	7	2.95 (75)

For more information please refer to strain relief section of Chapter 10



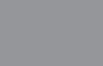
Option 3: Clip-on Tiewrap plates for opening crossbars

Clip-on tiewrap plates are also available as an attachment to opening crossbars. They can be positioned at any point along the E-Chain®.

Part No.	Number of Teeth	Width of Strain Relief in. (mm)
3850-ZS	5	1.89 (48)

For more information please refer to strain relief section of Chapter 10

PDF: www.igus.com/e-chain-pdfs
Specs/CAD/RFQ: www.igus.com/e-chains
RoHS info: www.igus.com/RoHS



15250
15350



E-Chain System® E4 Light Series 15250/15350 Guide Trough

igus® E-Chain
System®

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6.173

Width of Crossbar
15250-20-300-0

	B_{Ri}	Installation Part No.
-05	3.35 (85)	*
-06	4.06 (103)	96-50-225
-07	4.33 (110)	96-50-225
-087	4.80 (122)	96-50-250
-09	5.20 (132)	96-50-250
-10	5.31 (135)	96-50-250
-11	5.63 (143)	96-50-275
-112	5.83 (148)	96-50-275
-12	6.30 (160)	96-50-275
-13	6.77 (172)	96-50-300
-15	7.28 (185)	96-50-300
-16	7.80 (198)	96-50-325
-17	7.99 (203)	96-50-325
-17	8.27 (210)	96-50-325
-18	8.78 (223)	96-50-350
-20	9.25 (235)	96-50-350
-21	9.76 (248)	96-50-375
-22	10.24 (260)	96-50-375
-23	10.75 (273)	96-50-400
-25	11.22 (285)	96-50-400
-26	11.73 (298)	96-50-425
-27	12.20 (310)	96-50-425
-28	12.72 (323)	96-50-450
-30	13.19 (335)	96-50-450
-31	13.70 (348)	96-50-475
-32	14.17 (360)	96-50-475
-33	14.69 (373)	96-50-500
-35	15.16 (385)	96-50-500
-36	15.67 (398)	96-50-525
-37	16.14 (410)	96-50-525
-38	16.65 (423)	96-50-550
-40	17.13 (435)	96-50-550

* Specialized guide trough available upon request

Guide troughs are used with applications where the upper run of the E-Chain® glides on the lower run. If using igus® steel guide troughs, the following components are required:

- Full travel length of guide trough
Part No. 99-30
- 1/2 travel length glide bars
Part No. 93-01
- Installation sets as end connectors
Part No. 96-50-XX

-XX indicates the length of the profile rails on which the guide trough is mounted. The values and part numbers are specified in the table on the left. The standard length of the trough components and glide bars is 6.56 ft (2 m). The overall length of the guide trough directly correlates to the length of travel.

Example:

Length of travel 164 ft (50 m)
Center-mounted

Required guide troughs:

164 ft (50 m) guide trough, 82 ft. (25 m) glide bar
= 25 sections of 6.56 ft (2 m) guide trough
Part No. 99-30
= 13 sections of 6.56 ft (2 m) glide bar
Part No. 93-01

Required number of installation set:

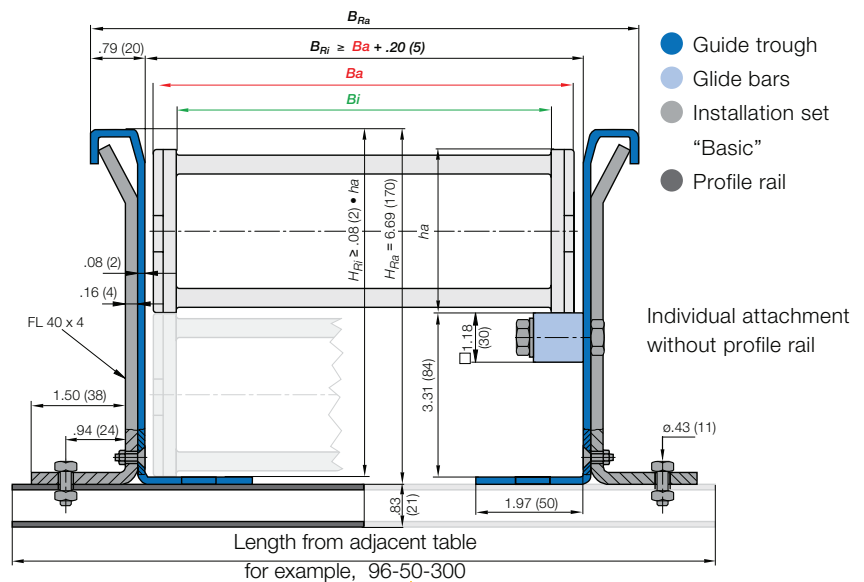
= Number of guide trough components + 1
= 25 + 1 = 26
Part No. of the installation sets **96-50-XXX**
Example:
96-50-400 for 15.75 (400 mm) long profile rail



Left: Guide trough with glide bars
Right: Guide troughs without glide bars



Installation sets as section connectors



Standard length profile rail

E-Chain System® E4 Light
Series 15250/15350
Application Example



System E4 E-Chain® - can be filled with cables with diameters up to 3.94" (100 mm)



15250
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PDF: www.igus.com/e-chain-pdfs
Specs/CAD/RFQ: www.igus.com/e-chains
RoHS info: www.igus.com/RoHS

