

Price Index



Series 340/350

Special Features / Options

Flammability Class
VDE 0304 IIC UL94 HB

Assembly Tips



Easy to assemble and disassemble

Other Installation Methods

Vertical, hanging ≤ 262 ft (80 m)

Vertical, standing ≤ 9.84 ft (3 m)

Side-mounted, un supp. ≤ 3.28 ft (1 m)

Rotary requires further calculation

Usage Guidelines



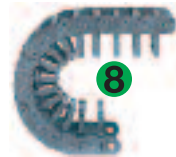
- If snap-open accessibility along the inner or outer radius is required
- If Integrated strain relief at the connection point is required
- If modular interior separation is required
- For travels up to 492 ft (150 m)
- For long service life



- If maximum stability is required
➤ **Series 380, E4/100**
- If chip protection is required
➤ **Series R68 or R167/R168, E2 Tubes**
- If the application is very simple
➤ **Series E/Z 300, E-Z Chain**

Features & Benefits

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



Order Example: Complete Energy Chain®

Please indicate chain length or number of links. Example:

16.4 ft (5 m) **350-150-100-0**With 2 separators **311** assembled every 2nd link1 Set **3150-34PZB****Energy Chain®****Interior Separation****Mounting Bracket**

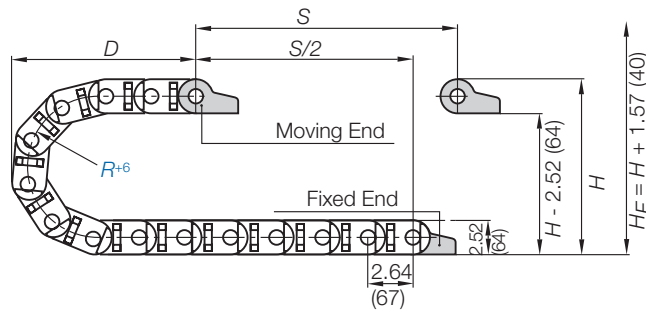
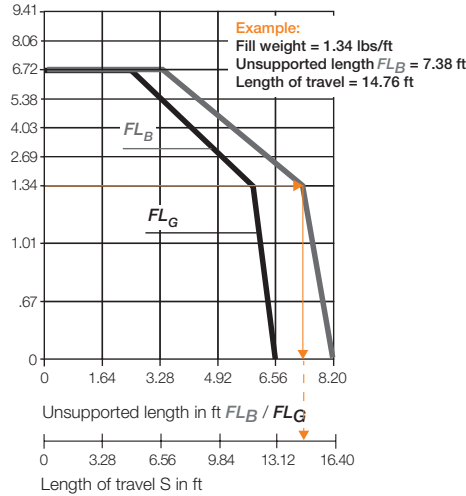
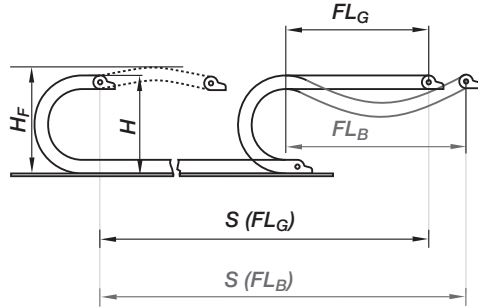
Energy Chain System® E2 Medium

Series 340/350

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 = 2.64" (67 mm)
Links per ft (m) = 4.55 (15)
For center mount applications:
Chain length = $\frac{S}{2} + K$

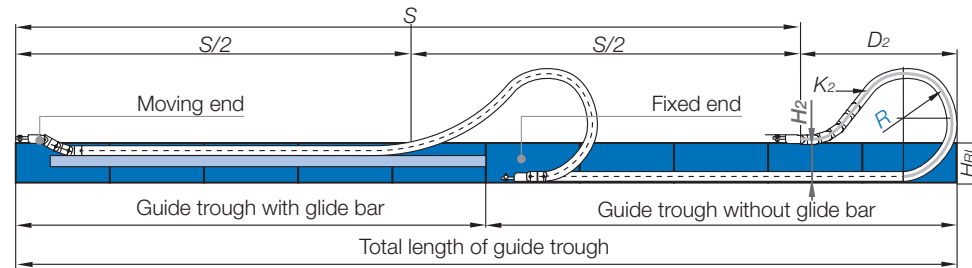
The required clearance height: $H_F = H + 1.57$ in. (40 mm) (with 1.68 lbs/ft (2.5 kg/m) fill weight).
Please consult igus® if space is particularly restricted.

R	2.95 (075)	3.94 (100)	4.92 (125)	5.91 (150)	7.87 (200)	9.84 (250)	11.81 (300)
H ⁺⁵	8.46 (215)	10.43 (265)	12.40 (315)	14.37 (365)	18.31 (465)	22.24 (565)	26.18 (665)
D	5.91 (150)	7.87 (200)	8.86 (225)	9.84 (250)	11.81 (300)	13.78 (350)	15.75 (400)
K	15.75 (400)	19.69 (500)	25.59 (650)	28.54 (725)	34.45 (875)	41.34 (1050)	48.23 (1225)

For long travels with lowered mounting height

Long travel lengths from 32.8 ft. (10 m) to max. 492 ft. (150 m)

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



In case of travels between 13 ft. (4m) and 32.8 ft. (10m) we recommend 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 ₂ ⁺⁵	–	–	7.32 (186)	7.32 (186)	7.32 (186)	7.32 (186)	7.32 (186)
D ₂	–	–	18.70 (475)	22.44 (570)	30.71 (780)	39.76 (1010)	45.28 (1150)
K ₂	–	–	31.65 (804)	39.57 (1005)	52.76 (1340)	65.94 (1675)	76.50 (1943)

igus®

340
350

Short Travels - Unsupported



Unsupported Energy 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 Energy Chain® radius in final position
- $K = \pi \cdot R + \text{safety buffer}$
- H_F = Required clearance height
- HRI = Trough inner height
- H₂ = *Mounting height
- D₂ = Over length - long travels, gliding
- K₂ = *Add-on
- *If the mounting bracket location is set lower

Long Travels - Gliding



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

Design, Chapter 1

Technical Data



Details of material properties

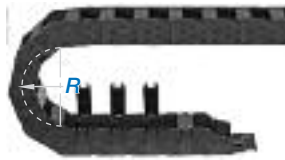
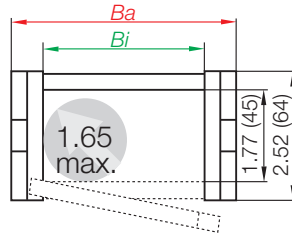
► Chapter 1

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



4.102

Series 340 - Snap-open along the inner radius

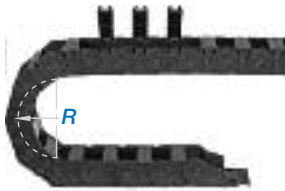
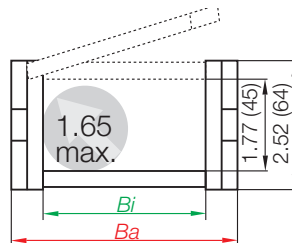


Part Number Structure

340-	150-	100-	0
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Color - Black
Bending radius
Width
Series

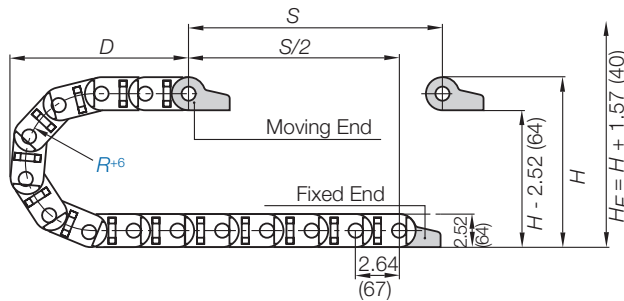
Series 350 - Snap open along the outer radius



Part Number Structure

350-	150-	100-	0
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Color - Black
Bending radius
Width
Series



Supplement part number with required radius. Example: 350-150-100-0
Pitch: 2.64 in. (67 mm) per link links/ft (m) = 4.57 (15)

Part Number

Snap-open Inner Radius	Snap-open Outer Radius			<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)	Weight lbs/ft (kg/m)
340-050-	350-050-		-0	1.97 (50)	2.76 (70)	≈ 1.08 (1.603)
340-075-	350-075-		-0	2.95 (75)	3.74 (95)	≈ 1.19 (1.778)
340-100-	350-100-		-0	3.94 (100)	4.72 (120)	≈ 1.29 (1.925)
340-115-	350-115-		-0	4.53 (115)	5.31 (135)	≈ 1.33 (1.985)
340-125-	350-125-		-0	4.92 (125)	5.71 (145)	≈ 1.36 (2.025)
340-150-	350-150-		-0	5.91 (150)	6.69 (170)	≈ 1.45 (2.165)
340-175-	350-175-		-0	6.89 (175)	7.68 (195)	≈ 1.53 (2.278)
340-200-	350-200-		-0	7.87 (200)	8.66 (220)	≈ 1.65 (2.448)
340-225-	350-225-		-0	8.86 (225)	9.65 (245)	≈ 1.74 (2.587)
340-250-	350-250-		-0	9.84 (250)	10.63 (270)	≈ 1.83 (2.725)

Choose from the radii below for all of the above sizes

Radius (mm) Example: 350-150-100-0

	075	100	125	150	200	250	300
R	2.95 (75)	3.94 (100)	4.92 (125)	5.91 (150)	7.87 (200)	9.84 (250)	11.81 (300)
H+5	8.46 (215)	10.43 (265)	12.40 (315)	14.37 (365)	18.31 (465)	22.24 (565)	26.18 (665)
D	5.91 (150)	7.87 (200)	8.86 (225)	9.84 (250)	11.81 (300)	13.78 (350)	15.75 (400)
K	15.75 (400)	19.69 (500)	25.59 (650)	28.54 (725)	34.45 (875)	41.34 (1050)	48.23 (1225)

Energy Chain System® E2 Medium Series 340/350 Extender Crossbars



340
350

The extender crossbars were developed specifically for applications in which a large diameter hose must be guided carefully. It is intended for hoses with a maximum outer diameter of 4.53 (115 mm). The extender crossbar can be placed along either the outer (Series 350) or inner (Series 340) radius. In most applications, the inner radius is preferred. However, the chain cannot glide on itself in this case. If gliding operation is required, the crossbars are assembled along the outer radius and a special guide trough is required. The extender crossbar can either be attached to the side links directly or can be used in combination with two standard snap-open crossbars.

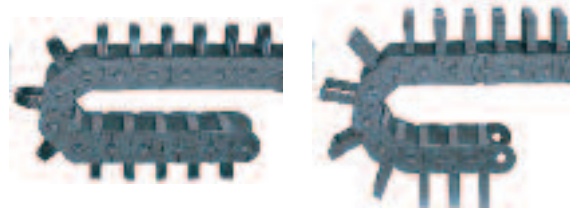
If the extender crossbars are attached along the outer radius, the side of the chain must be supported so that the crossbars do not come in contact with the running surface. We are happy to assist with the design and assembly of this type of system. This design is also suitable for gliding applications. We are also happy to assist with guide trough requirements.

Extender crossbar: Series 340

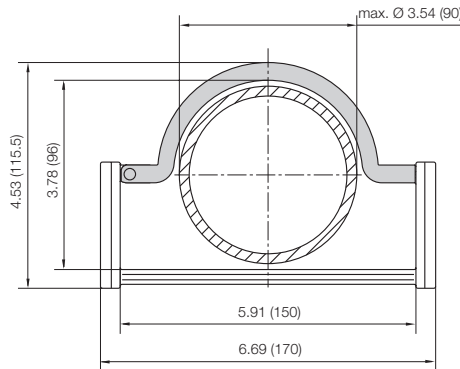


Series	max. Hose Ø in. (mm)	Bending Radii in. (mm)
340-150	3.54 (90)	5.91 (150), 7.87 (200), 9.84 (250)
340-175	4.53 (115)	7.87 (200), 9.84 (250)

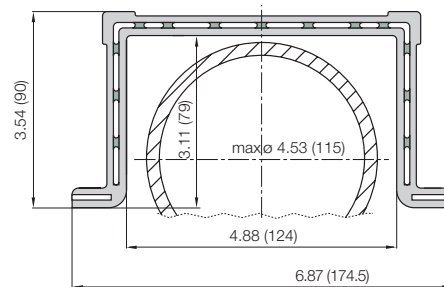
Extender crossbar: Series 350



Series	max. Hose Ø in. (mm)	Bending Radii in. (mm)
350-150	3.54 (90)	2.95 (75), 3.94 (100), 4.92 (125), 5.91 (150), 7.87 (200), 9.84 (250)
350-175	4.53 (115)	2.95 (75), 3.94 (100), 4.92 (125), 5.91 (150), 7.87 (200), 9.84 (250)



Part No. (round extender crossbar)
3500-150-D090



Part No. (square extender crossbar)
3500-175-D115*

*This product also available in round design -
order **Part No. 3500-175-RD115**

Part Number Structure for Energy Chain® with Extender Crossbars

350- 150- D090- 175- 0

Color - Black
Bending radius
Crossbar inside Ø
Width
Series

Assembly

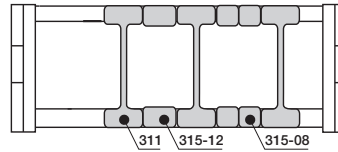
As with all Series 340/350 crossbars, the extender crossbars are opened using a screwdriver.

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



Option 1: Vertical separators and spacers

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



Vertical
separator
301

**Vertical Separator**

Unassembled	Part No. 301
Assembled	Part No. 311

- **Standard separator 301 for Energy Chains®**
This separator is used for general subdivision of Energy Chain®.

Spacers
305-XX

**Spacer**

Unassembled	Part No. 305-XX
Assembled	Part No. 315-XX

XX = width of the spacer

Spacers available in the following sizes:

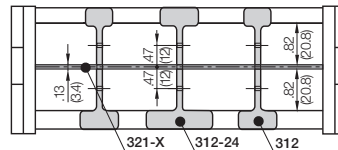
Part No. Unassembled	Part No. Assembled	in.	(mm)
305-08	315-08	.31"	(8)
305-12	315-12	..47"	(12)

• **NOTE ON SPACERS**

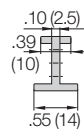
Vertical separators are adjustable, but can be fixed in position by means of a spacer. Spacers are most often necessary for side mounted applications. The available inner height is reduced by .08" (2mm) **per spacer** (for example if one spacer is placed on either side of the separator, the overall inner height is reduced by .16" (4mm). To avoid this, place the spacers on the **outside** of the opening crossbar (**not for long travels**).

Option 2: Full-width shelf

This option is available for the snap-open Series 340/350 chains. It is ideal for use in applications involving many thin cables with similar or identical diameters. This shelf slides into place and spans the entire width of the chain.



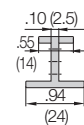
Slotted vertical
separator
302

**Slotted Separator**

Unassembled	Part No. 302
Assembled	Part No. 312

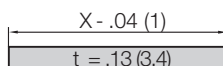
- **Slotted separator 302 for Energy Chains®**
This component is used to form the basic pattern of a shelf system.

Slotted vertical
separator
302-24

**Slotted Separator**

Unassembled	Part No. 302-24
Assembled	Part No. 312-24

- **Slotted separator 302-24 for Energy Chains®**
This separator features a wide base. It can be used in side mounted applications.



Width X in. (mm)	Part No. Unassembled	Part No. Assembled	Width X in. (mm)	Part No. Unassembled	Part No. Assembled
1.97 (50)	320-050	321-050	5.91 (150)	320-150	321-150
2.95 (75)	320-075	321-075	6.89 (175)	320-175	321-175
3.94 (100)	320-100	321-100	7.87 (200)	320-200	321-200
4.53 (115)	320-115	321-115	8.86 (225)	320-225	321-225
4.92 (125)	320-125	321-125	9.84 (250)	320-250	321-250

Energy Chain System® E2 Medium

Series 340/350

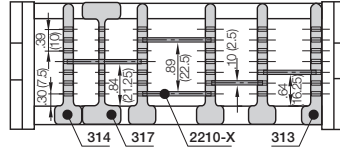
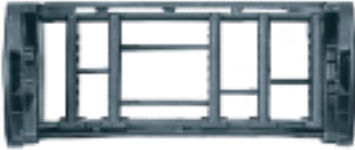
Interior Separation



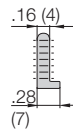
340
350

Option 3: Shelves

This option is available for the Series 340/350 snap-open chains. It is ideal for use in applications involving many cables with different diameters. This option allows for variable compartment heights and widths across the chain width, but can also be used for level separation across the entire width.



Side plate
303



Side plate

Unassembled	Part No. 303
Assembled	Part No. 313

● Slotted separator 303 for Energy Chains®

This component is used to form the basic pattern of a shelf system.

Vertical
separator
304



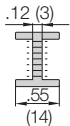
Slotted Separator

Unassembled	Part No. 304
Assembled	Part No. 314

● Slotted separator 304 for Energy Chains®

This component is used to form the basic pattern of a shelf system.

Open slotted
separator
307



Slotted separator, open

Unassembled	Part No. 307
Assembled	Part No. 317

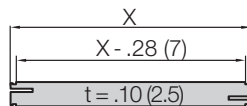
● Open slotted separator 307 for Energy Chains®

This separator can be retrofitted into an existing interior separation system without removing the shelves, as long as these shelves fit into the 5 middle slots only.

Shelves 2200-XX

These components form the basic pattern of a shelf system. Shelves of various widths can be arranged at 5 different heights in .20" (5mm) increments

Width X in. (mm)	Part No. Unassembled	Part No. Assembled
.71 (18)	2200-18	2210-18
.91 (23)	2200-23	2210-23
1.10 (28)	2200-28	2210-28
1.30 (33)	2200-33	2210-33
1.50 (38)	2200-38	2210-38
1.69 (43)	2200-43	2210-43
1.89 (48)	2200-48	2210-48
2.28 (58)	2200-58	2210-58
2.68 (68)	2200-68	2210-68
2.87 (73)	2200-73	2210-73
3.46 (88)	2200-88	2210-88
3.90 (99)	2200-99	2210-99
4.88 (124)	2200-124	2210-124



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



340
350

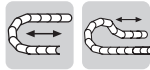


Energy Chain System® E2 Medium Series 340/350 Mounting Brackets - Plastic

igus® Energy Chain
System®

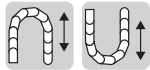
Telephone 1-800-521-2747
Fax 1-401-438-7270

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



Option 1: pivoting

- Short and long travels
- Space-restricted conditions
- Corrosion resistant



Option 2: locking

- Vertical hanging/standing travels
- Extreme accelerations
- Corrosion resistant

Part Number Structure

3075- 34 PZ B K1

- With 10 cable tieswraps
- With tiewrap plates
- Mounting brackets only
- Complete Set
34 = Pivoting
12 = Locking
- Mounting brackets for selected chain type

Full set, for both ends:

3075- 34 PZB Full set, each part with pin/bore + tiewrap plate

Single-part order:

3075- 3 PZB Mounting bracket with bore + tiewrap plate

3075- 4 PZB Mounting bracket with pin + tiewrap plate

Part No. Full Set (pivoting)

Series 340, 350:

3075-34PZ

Part No. Full Set (pivoting)

With Tiewrap Plates

Series 340, 350:

3075-34PZB

Part No. Full Set (pivoting)

With Tiewrap Plates + 10 cable ties

Series 340, 350:

3075-34PZBK1

For Chain Type	Part No. Mounting Bracket Full Set	Part No. Full Set with Tiewrap Plate	Part No. Full Set with Tiewrap Plate + 10 Cable Ties	Dimension A in. (mm)
340/350-050	3050- ☐ PZ	3050- ☐ PZB	3050- ☐ PZBK1	1.10 (28)
340/350-075	3075- ☐ PZ	3075- ☐ PZB	3075- ☐ PZBK1	2.09 (53)
340/350-100	3100- ☐ PZ	3100- ☐ PZB	3100- ☐ PZBK1	3.07 (78)
340/350-115	3115- ☐ PZ	3115- ☐ PZB	3115- ☐ PZBK1	3.66 (93)
340/350-125	3125- ☐ PZ	3125- ☐ PZB	3125- ☐ PZBK1	4.06 (103)
340/350-150	3150- ☐ PZ	3150- ☐ PZB	3150- ☐ PZBK1	5.04 (128)
340/350-175	3175- ☐ PZ	3175- ☐ PZB	3175- ☐ PZBK1	6.02 (153)
340/350-200	3200- ☐ PZ	3200- ☐ PZB	3200- ☐ PZBK1	7.01 (178)
340/350-225	3225- ☐ PZ	3225- ☐ PZB	3225- ☐ PZBK1	7.99 (203)
340/350-250	3250- ☐ PZ	3250- ☐ PZB	3250- ☐ PZBK1	8.98 (228)

34 or 12

34 For pivoting brackets choose

12 For locking brackets choose

Example: 3075- 34 PZB



Cable tiewraps as individual parts

Cable tiewraps	Width x Length in. (mm)	Maximum Ø in. (mm)	Tensile Strength lbs (N)
100 pieces/bag			
CFB-001	.19 x 5.91 (4.8 x 150)	1.42 (36)	50 (222)

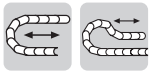
Energy Chain System® E2 Medium

Series 340/350

Mounting Brackets - KMA

igus®

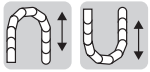
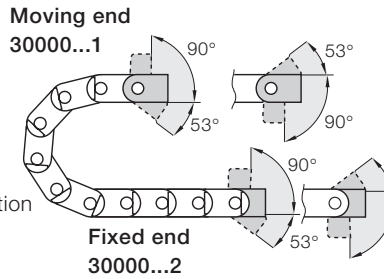
340
350



Standard

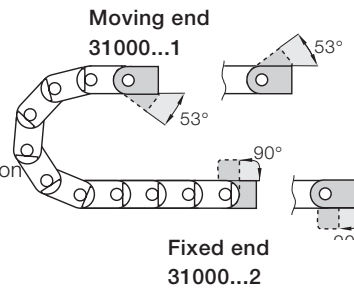
Option 1: pivoting

- Short and long travels
- Optional integrated profile rail for strain relief
- Bolted connection outside of chain cross section
- Space-restricted conditions
- Corrosion resistant
- Universal use

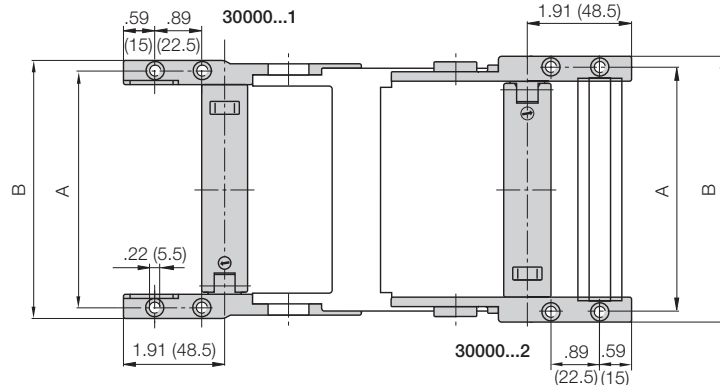
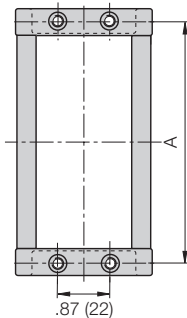
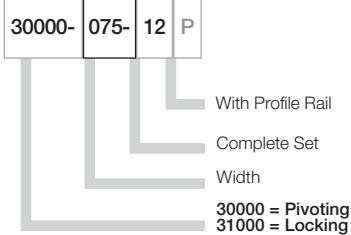


Option 2: locking

- Short and long travels
- Optional integrated profile rail for strain relief
- Bolted connection outside of chain cross section
- Extreme accelerations
- Corrosion resistant
- Universal use



Part Number Structure



Full set, for both ends:

30000-075-12 Full set, each part with pin/bore

Single-part order:

30000-075-1 Mounting bracket with bore

30000-075-2 Mounting bracket with pin

Part number examples are shown for pivoting brackets. For locking brackets change part number to 31000

Part No. Full Set (pivoting)

Series 340/350:

30000-Width-12

Part No. Full Set (pivoting)

with profile rail

Series 340/350:

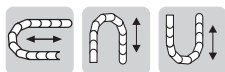
30000-Width-12P

Width	Part No. Full Set		With Profile Rail	Dimension A		Dimension B	
	Pivoting	Locking		in.	(mm)	in.	(mm)
-050	30000	31000	-050-12	P	2.48 (63)	2.91 (74)	
-075	30000	31000	-075-12	P	3.46 (88)	3.90 (99)	
-100	30000	31000	-100-12	P	4.45 (113)	4.88 (124)	
-115	30000	31000	-115-12	P	5.04 (128)	5.47 (139)	
-125	30000	31000	-125-12	P	5.43 (138)	5.87 (149)	
-150	30000	31000	-150-12	P	6.42 (163)	6.85 (174)	
-175	30000	31000	-175-12	P	7.40 (188)	7.83 (199)	
-200	30000	31000	-200-12	P	8.39 (213)	8.82 (224)	
-225	30000	31000	-225-12	P	9.37 (238)	9.80 (249)	
-250	30000	31000	-250-12	P	10.35 (263)	10.79 (274)	

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Specs/CAD/Rfq: www.igus.com/e-chains
RoHS info: www.igus.com/RoHS

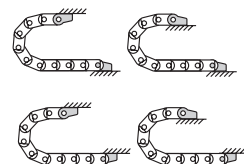
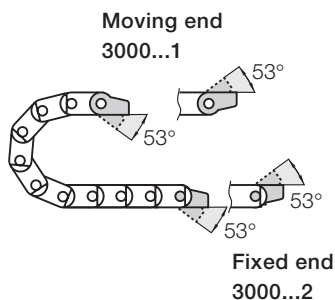


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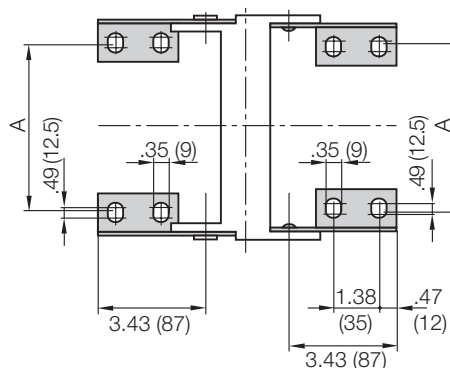
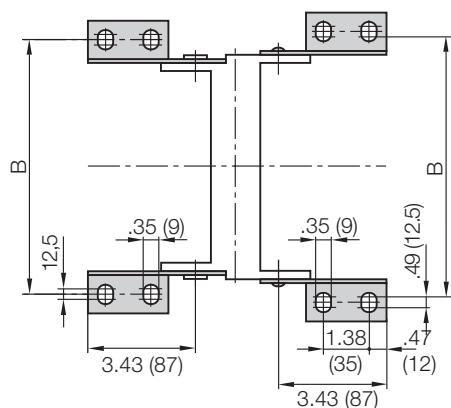


Option 1: Steel

- Pivoting connections
- One part (two-piece) for all chain widths
- Electrically conductive
- Bolted connection outside of chain cross-section possible



Possible installation configurations -



Chain Type	Part No. Full Set	Dimension A in. (mm)	Dimension B in. (mm)	Dimension C in. (mm)
340/350-050	3000-12	—	3.39 (86)	3.82 (97)
340/350-075	3000-12	2.09 (53)	4.37 (111)	4.80 (122)
340/350-100	3000-12	3.07 (78)	5.35 (136)	5.79 (147)
340/350-115	3000-12	3.66 (93)	5.94 (151)	6.38 (162)
340/350-125	3000-12	4.06 (103)	6.34 (161)	6.77 (172)
340/350-150	3000-12	5.04 (128)	7.32 (186)	7.76 (197)
340/350-175	3000-12	6.02 (153)	8.35 (212)	8.82 (224)
340/350-200	3000-12	7.01 (178)	9.29 (236)	9.72 (247)
340/350-225	3000-12	7.99 (203)	10.28 (261)	10.71 (272)
340/350-250	3000-12	8.98 (228)	11.26 (286)	11.69 (297)

Part No. Mounting Brackets Full Set

4 parts, 2 with pin, 2 with bore
Series 340/350:

3000-12

Part No. Mounting Bracket Moving End

2 parts, 1 left & 1 right
Series 340/350:

3000-1

Part No. Mounting Bracket Fixed End

2 parts, 1 left & 1 right
Series 340/350:

3000-2

Energy Chain System® E2 Medium

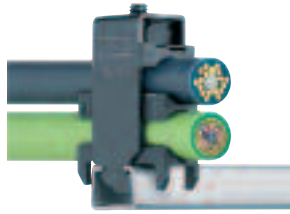
Series 340/350

Strain Relief



340
350

Chainfix clamps for the profile rail

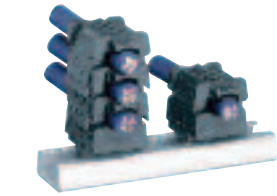


igus® Chainfix strain relief elements are available in either steel or stainless steel. They can be adjusted with a hexagon socket and are available in single, double and triple configurations.

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	(06 - 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

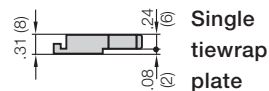
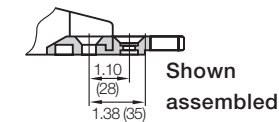


Modular snap-on strain relief device

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
in.		
(mm)		
.16-.31 (04-08)	CFC-08-M	CFC-08-C
.31-.47 (08-12)	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

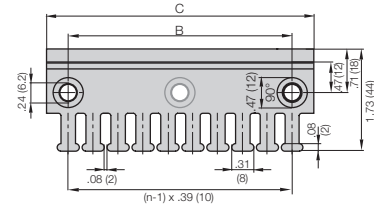


Option 1:

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



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 Energy Chain®.

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

Part No.	No of Teeth	Width of Strain Relief in. (mm)
For Fixed Crossbar		
3050-Z	5	1.97 (50)
3075-Z	7	2.91 (74)
For Opening Crossbar		
3035-ZS	3	1.38 (35)
3050-ZS	5	1.97 (50)
3075-ZS	7	2.95 (75)

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



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

- Full travel length of guide trough
Part Number 93-30
- 1/2 travel length of glide bars
Part number 93-01
- Installation sets as end connectors
Part Number 93-50 -XX

-XX indicates the length of the profile rail 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 required 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
= 13 sections of 6.56 ft (2 m) glide bar

Part No. 93-30

= 13 sections of 6.56 ft (2 m) glide bar

Part No. 93-01**Required number of installation sets:**

= Number of guide trough components + 1

= 25 + 1 = 26

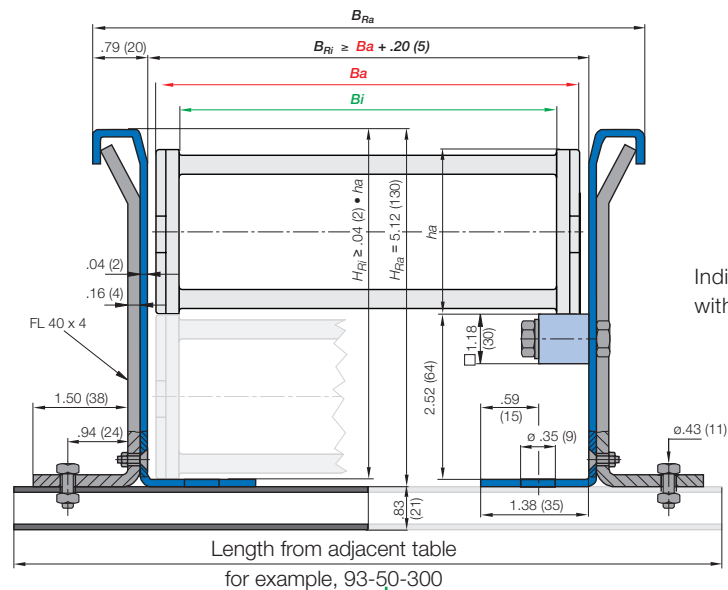
Part number of the installation sets

Example: 93-50-300 for 15.75" (400 mm) long profile rail.



Width of Crossbar
350-075-200-0

	B_{Ri}	Installation Part No.
-050	2.95 (75)	93-50-150
-075	3.94 (100)	93-50-200
-100	4.92 (125)	93-50-250
-115	5.51 (140)	93-50-250
-125	5.91 (150)	93-50-300
-150	6.89 (175)	93-50-300
-175	7.87 (200)	93-50-300
-200	8.86 (225)	93-50-350
-225	9.84 (250)	93-50-350
-250	10.83 (275)	93-50-400



- Guide trough
- Glide bars
- Installation set
"Basic"
- Profile rail

Individual attachment
without profile rail

* Specialized guide
trough available
upon request