

Price index



ESD classification:
Electrically conductive ESD/ATEX version upon request



High torsional rigidity



Side-mounted - unsupported



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



When to use the Series 15050/15150/R19850:

- For achieving simple, economical solutions
- For minimizing a chain's external width at any given internal width
- For use if Series 5050 proves too large



When not to use it:

- If long side-mounted, unsupported length is required
- ▶ Series E4.80, page 7.76

- 1 Stronger version with undercut design
- 2 High torsional rigidity
- 3 Crossbars are removable along both radii
- 4 Hinged snap-open removable lids along outer radius
- 5 Closed and open styles can be combined
- 6 Lateral glide surfaces for side-mounted operation
- 7 Numerous interior separation possibilities
- 8 Wide, rounded plastic crossbars - cable friendly
- 9 KMA mounting brackets with attachment points on all sides
- 10 Integrated strain relief possible



Order example complete E-Chain®

Please indicate chain-lengths or number of links **Example: 5 m or 55 links**

5 m **15050.30.300.0**



E-Chain®

with 2 separators **511** assembled every 2nd link



Interior separation

1 set **150500.30.12C**



Mounting bracket

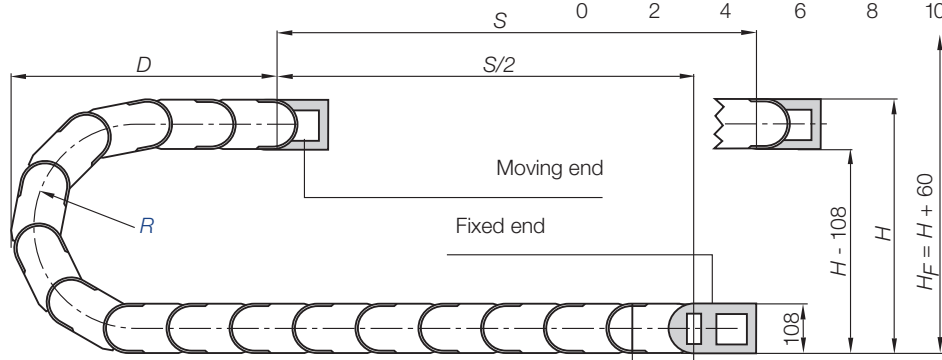
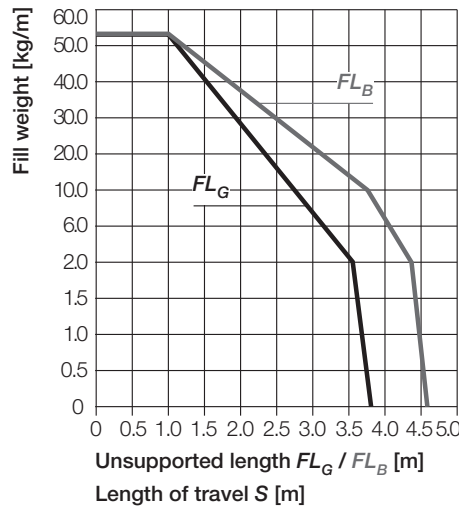
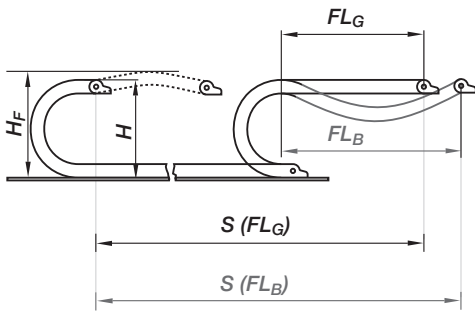


Unsupported length

FL_G = with straight upper run

FL_B = with permitted sag

Further information ► Design, page 1.12



Pitch = 91 mm/link Links/m = 11 (1001 mm) Chain length = $S/2 + K$

R	150	200	250	300	350	400	500
H_{-25}^0	410	510	610	710	810	910	1110
D	300	350	400	450	500	550	650
K	750	900	1050	1225	1375	1450	1675
H_2	242	242	242	242	242	242	242
D_2^{+25}	550	800	950	1200	1550	1700	2175
K_2	910	1274	1638	2002	2457	2730	3458

- S = Length of travel
 - R = Bending radius
 - H = Nominal clearance height
 - H_F = Required clearance height
 - H_{RI} = Trough inner height
 - D = Overlength E-Chain® radius in final position
 - $K = \pi \cdot R + \text{"safety"}$
 - D_2 = Over length - long travels, gliding
 - K_2 = *Further add-on
 - H_2 = *Mounting height
- *if the mounting bracket location is set lower

Other installation methods

- Vertical, hanging ≤ 100 m
- Vertical, standing ≤ 6 m
- Side mounted, un supp. ≤ 2 m
- Rotary requires further calculation
- Unsupported length of upper run = upon request



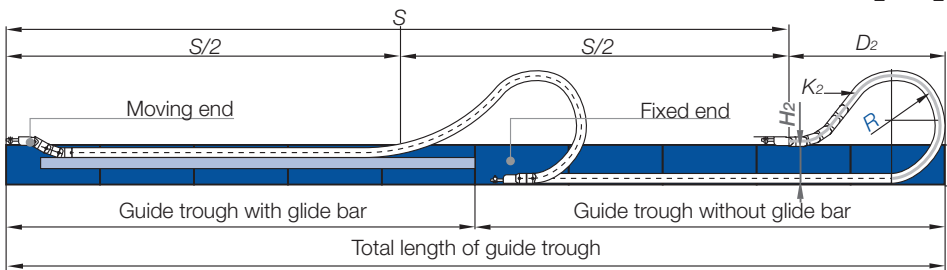
Short travels - unsupported

Unsupported E-Chains® feature positive camber over short travels. This must be accounted for when specifying the clearance height H_F . Please consult igus® if space is particularly restricted.

The required clearance height:

$H_F = H + 60$ mm
(with 3,0 kg/m fill weight)

Long travel lengths from 10 m to max. 250 m Chain length = $S/2 + K_2$



In case of travels between 4 and 10 m we recommend a longer unsupported length.



Gliding, long travel applications (max. 250 m)

In this case the E-Chain® upper run will be introduced in a guide trough on the lower run. We recommend to realize the engineering of such a plant by our technicians.

Speed / acceleration FL_G	max. 20 [m/s] / max. 200 [m/s ²]
Speed / acceleration FL_B	max. 3 [m/s] / max. 6 [m/s ²]
Gliding speed / acceleration (maximum)	max. 10 [m/s] / max. 50 [m/s ²]
Material - permitted temperature °C	igumid G / -40° up to +120° C
Flammability class, igumid G	VDE 0304 IIC UL94 HB

Technical Data



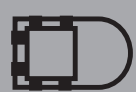
Details of material properties

► page 1.38



System E4/light
Inner height: 80 mm

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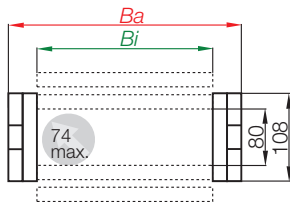


► page 7.123



For support of the lower run - Support Tray tool kit available ► page 9.70

igus® E-ChainSystems®

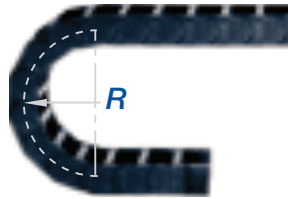


Part No. structure

15050.30.300.0



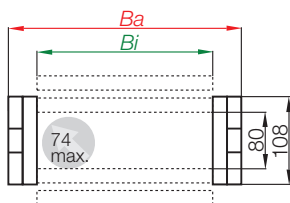
Series 15050 - E-Chain® with crossbars every link



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



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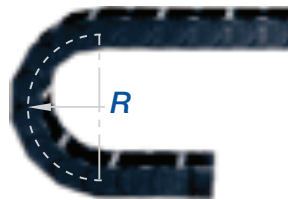


Part No. structure

15150.30.300.0



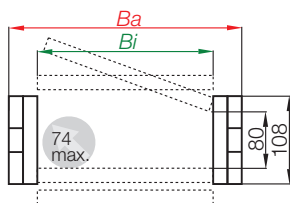
Series 15150 - E-Chain® with crossbars every 2nd link



- Crossbars every 2nd link = Standard
- For nearly every situation
- Can be opened from two sides
- Easy assembly
- Stable
- Attractive price



igus® GmbH
51147 Cologne

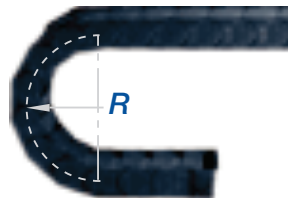


Part No. structure

19850.30.300.0



Series R19850 - Fully enclosed E-Tube



- Fully enclosed
- Excellent cable protection against dirt
- Protection against hot chips (up to 900°C)
- Lids along the entire inner radius are completely removable. Lids along the entire outer radius are single sided snap-open with a hinge on the other side to keep them attached to the chain or completely removable.

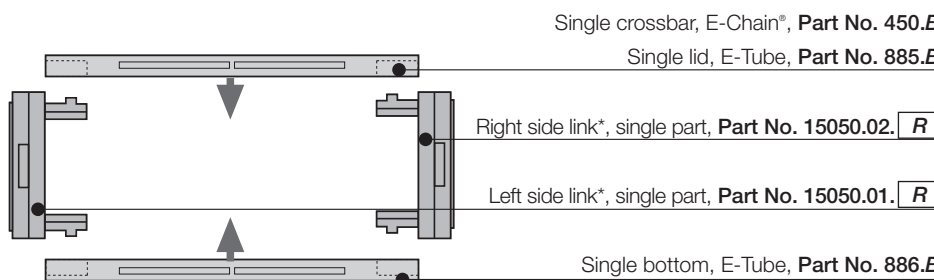


Internet: www.igus.eu
E-mail: info@igus.de

Part No.		<i>Bi</i>	<i>Ba</i>	15050	15150	R19850
		[mm]	[mm]	[kg/m]	[kg/m]	[kg/m]
15050/15150.05.	<input type="checkbox"/>	50	80	≈ 3,85	≈ 3,84	-
15050/15150.06.	<input type="checkbox"/>	65	95	≈ 3,95	≈ 3,88	-
15050/15150/19850.07.	<input type="checkbox"/>	75	105	≈ 4,00	≈ 3,92	≈ 4,46
15050/15150.08.	<input type="checkbox"/>	87	117	≈ 4,05	≈ 3,96	-
15050/15150/19850.10.	<input type="checkbox"/>	100	130	≈ 4,18	≈ 4,00	≈ 4,74
15050/15150.11.	<input type="checkbox"/>	112	143	≈ 4,31	≈ 4,07	-
15050/15150/19850.12.	<input type="checkbox"/>	125	155	≈ 4,38	≈ 4,10	≈ 5,10
15050/15150.13.	<input type="checkbox"/>	137	168	≈ 4,51	≈ 4,17	-
15050/15150/19850.15.	<input type="checkbox"/>	150	180	≈ 4,58	≈ 4,20	≈ 5,53
15050/15150.16.	<input type="checkbox"/>	162	193	≈ 4,69	≈ 4,26	-
15050/15150.17.	<input type="checkbox"/>	175	205	≈ 4,80	≈ 4,31	-
15050/15150.18.	<input type="checkbox"/>	187	218	≈ 4,91	≈ 4,37	-
15050/15150/19850.20.	<input type="checkbox"/>	200	230	≈ 4,93	≈ 4,38	≈ 6,11
15050/15150.21.	<input type="checkbox"/>	212	243	≈ 5,04	≈ 4,43	-
15050/15150.22.	<input type="checkbox"/>	225	255	≈ 5,10	≈ 4,47	-
15050/15150.23.	<input type="checkbox"/>	237	268	≈ 5,24	≈ 4,53	-
15050/15150/19850.25.	<input type="checkbox"/>	250	280	≈ 5,32	≈ 4,58	≈ 6,83
15050/15150.26.	<input type="checkbox"/>	262	293	≈ 5,41	≈ 4,62	-
15050/15150/19850.27.	<input type="checkbox"/>	275	305	≈ 5,52	≈ 4,68	≈ 7,26
15050/15150.28.	<input type="checkbox"/>	287	318	≈ 5,54	≈ 4,69	-
15050/15150/19850.30.	<input type="checkbox"/>	300	330	≈ 5,76	≈ 4,80	≈ 7,49
15050/15150.31.	<input type="checkbox"/>	312	343	≈ 5,80	≈ 4,82	-
15050/15150.32.	<input type="checkbox"/>	325	355	≈ 5,85	≈ 4,84	-
15050/15150.33.	<input type="checkbox"/>	337	368	≈ 6,03	≈ 4,93	-
15050/15150/19850.35.	<input type="checkbox"/>	350	380	≈ 6,18	≈ 5,01	≈ 8,24
15050/15150.36.	<input type="checkbox"/>	362	393	≈ 6,19	≈ 5,02	-
15050/15150.37.	<input type="checkbox"/>	375	405	≈ 6,20	≈ 5,02	-
15050/15150.38.	<input type="checkbox"/>	387	418	≈ 6,29	≈ 5,06	-
15050/15150/19850.40.	<input type="checkbox"/>	400	430	≈ 6,49	≈ 5,16	≈ 9,20
15050/15150.41.	<input type="checkbox"/>	412	443	≈ 6,64	≈ 5,24	-
15050/15150.42.	<input type="checkbox"/>	425	455	≈ 6,80	≈ 5,31	-
15050/15150.43.	<input type="checkbox"/>	437	468	≈ 6,86	≈ 5,35	-
15050/15150.45.	<input type="checkbox"/>	450	480	≈ 6,93	≈ 5,38	-
15050/15150/19850.46.	<input type="checkbox"/>	462	493	≈ 6,95	≈ 5,39	≈ 9,66
15050/15150.47.	<input type="checkbox"/>	475	505	≈ 7,08	≈ 5,46	-
15050/15150.48.	<input type="checkbox"/>	487	518	≈ 7,16	≈ 5,49	-
15050/15150.50.	<input type="checkbox"/>	500	530	≈ 7,22	≈ 5,52	-
15050/15150.51.	<input type="checkbox"/>	512	543	≈ 7,24	≈ 5,53	-
15050/15150.52.	<input type="checkbox"/>	525	555	≈ 7,28	≈ 5,56	-
15050/15150.53.	<input type="checkbox"/>	537	568	≈ 7,44	≈ 5,63	-
15050/15150.55.	<input type="checkbox"/>	550	580	≈ 7,92	≈ 5,87	-
15050/15150.60.	<input type="checkbox"/>	600	630	≈ 8,12	≈ 5,97	-

Available bending radii
R [mm] 150* 200 250 300 350 400 500 *not available for R19850

Supplement Part No. with required radius. Example: 15050.30.300.0
 0 = standard color, other colors ▶ page 1.39 · Pitch = 91 mm/link - Links/m = 11



Hot Chips up to 850°C

E-Tubes that repel hot chips, up to 850°C. Some applications, depending on amount and size of the chips, can burn or melt the surface. That is no longer the case with the igus® "igumid HT" material. Order example: Full E-Tube made of HT*: **19850.40.200.0.HT** Lids made of HT: **19850.40.HTE.200.0**
*for long travels upon request
 Further Information: www.igus.de/en/HT
Delivery time up to 4 weeks!



System E4/light
 Inner height: 80 mm

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▶ page 7.123



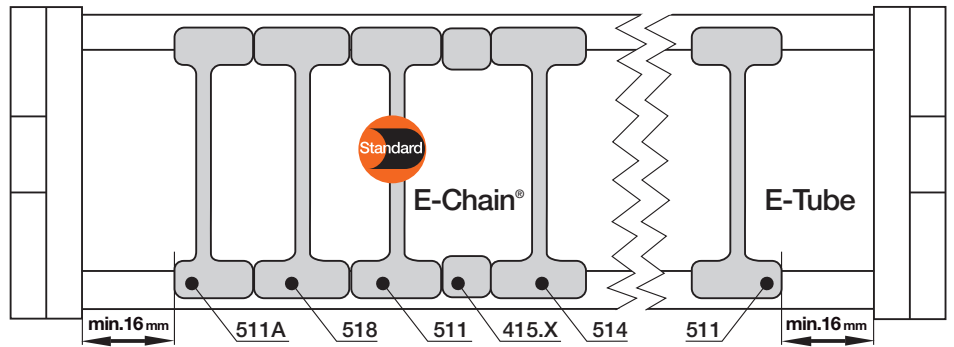
Extender crossbar for large diameter hoses ▶ page 7.150

Part No. E-Chain®-links, single parts

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



Vertical separators are used if a vertical subdivision is required. In the standard configuration, a separator is mounted at every second link. **Note:** Observe a lateral spacing of at least 16 mm!



Vertical separator
501



Spacer
405.XX



Locking separator
504



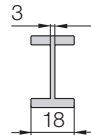
Locking separator
508



Asymmetric
separator 501A

**Vertical separator
for E-Chains®/E-Tubes**

unassembled	501
assembled	511



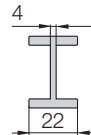
**Spacer*
for E-Chains®**

unassembled	405.XX
assembled	415.XX



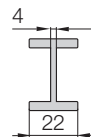
**Locking separator
for E-Chains®**

unassembled	504
assembled	514



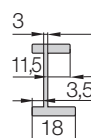
**Locking separator
for E-Chains®**

unassembled	508
assembled	518



**Asymmetric separator
for E-Chains®**

unassembled	501A
assembled	511A



*For side-mounted applications

Option 1: Vertical separators and spacers

● **Standard separator 501 for E-Chains®** offers safe stability due to its broad foot design, also when used with thick cables or hoses.

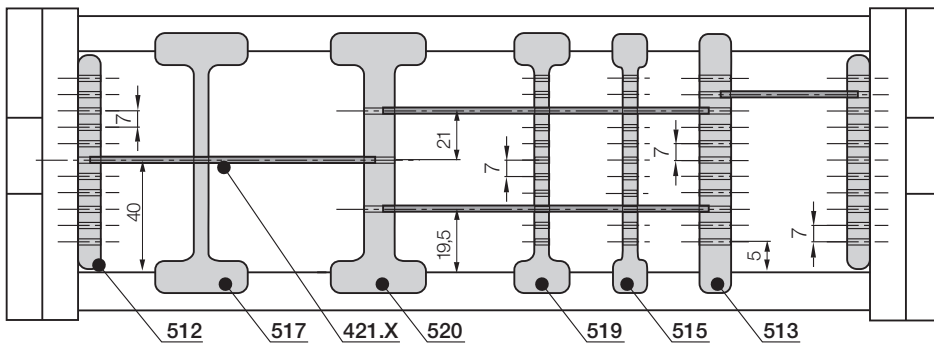
● Separators (e.g. "side mounted") for E-Chains® can be fixed in their position with **spacers 405.XX**. The available inner height will be reduced by 2 mm, per spacer and side. To avoid this, the parts can be assembled on outside of the crossbar (not for long travels) **XX = width of the spacer** (available 10, 15, 20, 30 and 40 mm)

Additionally:

● **Locking separator for E-Chains® 504-** with increased retention force for applications exposed to very high humidity or extreme loads. If locking separators are used, the E-Chain® is more difficult to open

● The **locking separator for E-Chains® 508** is designed for applications exposed to extremely high humidity, for example, at composting plants. The lateral cam serves for uniform alignment of the vertical separators; if these separators are misaligned, they will inevitably get damaged on an attempt to open the E-Chain®.

● **Asymmetric separator 501A for E-Chains®** (not for E-Tubes) with an 18-mm base, for combinations between spacers of different widths and vertical separators in side-mounted applications, for instance.



For use with many cables of differing diameters. E-Chains® and E-Tubes can be subdivided both vertically and horizontally. The shelves can be arranged elevator-shifted with different bottoms

Option 2: Shelves

● Side plates 502, middle plates 503 and shelves 420.X form the basic pattern of a shelf system. Shelves of various widths can be arranged at 11 different heights (in 7 mm increments).

● Locking vertical separator 510 combined with shelves. Triple slots (only for E-Chains®).

● Locking separator 507 slotted - with increased retention force for applications exposed to very high humidity or extreme loads. The extra retention force is achieved by asymmetric claws for the crossbar. Ensure proper alignment.

● Slotted separators 505 are used for very fine subdivisions. However, they cannot be retrofitted into an existing separation system without dismantling the interior separators first.

● The unilateral open slotted separator 509 can be retrofitted into an existing interior separation system without a need for dismantling the interior separators. During an installation of open slotted separators, the top and bottom notches cannot be occupied by shelves.

Side plate for E-Chains®/E-Tubes	
unassembled	502
assembled	512

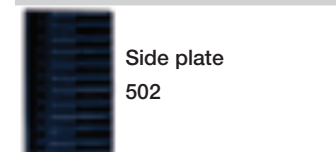
Middle plate for E-Chains®/E-Tubes	
unassembled	503
assembled	513

Locking vertical separator for E-Chains®	
unassembled	510
assembled	520

Locking separator for E-Chains®	
unassembled	507
assembled	517

Slotted separator for E-Chains®/E-Tubes	
unassembled	505
assembled	515

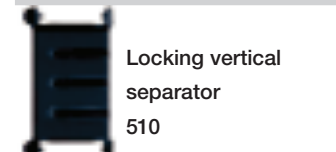
Open slotted separator for E-Chains®/E-Tubes	
unassembled	509
assembled	519



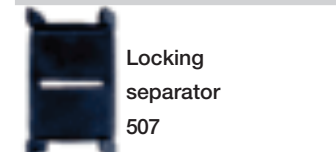
Side plate 502



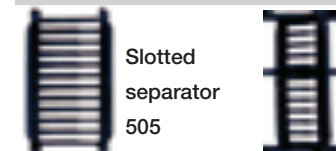
Middle plate 503



Locking vertical separator 510



Locking separator 507



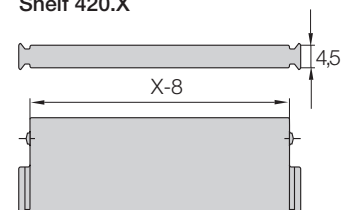
Slotted separator 505



Open slotted separator 509



Shelf 420.X



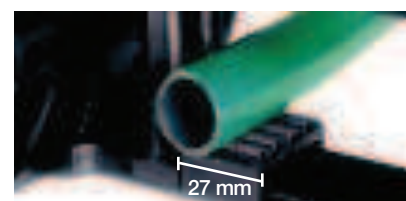
Width X [mm]	Part No. unassembled	Part No. assembled
018	420.18	421.18
023	420.23	421.23
025	420.25	421.25
028	420.28	421.28
033	420.33	421.33
043	420.43	421.43
050	420.50	421.50
062	420.62	421.62

Width X [mm]	Part No. unassembled	Part No. assembled
075	420.75	421.75
088	420.88	421.88
100	420.100	421.100
125	420.125	421.125
150	420.150	421.150
175	420.175	421.175
187	420.187	421.187
200	420.200	421.200

Additional elements for interior separation

Rollclip	
unassembled	489.27
assembled	490.27

Rollclip - minimizes abrasion of particularly sensitive hoses. The Rollclip is simply clamped onto the opening crossbar. The movable rollers compensate for relative movement between the chain and hose.

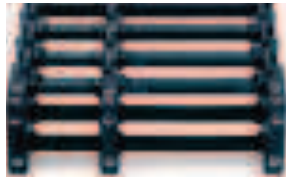


System E4/light
Inner height: 80 mm

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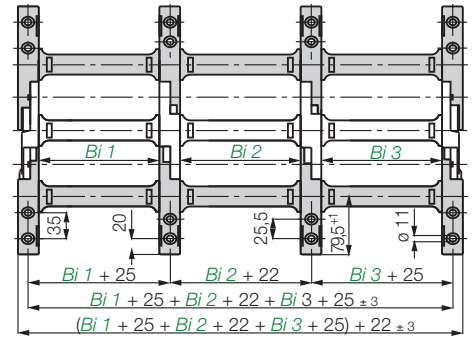
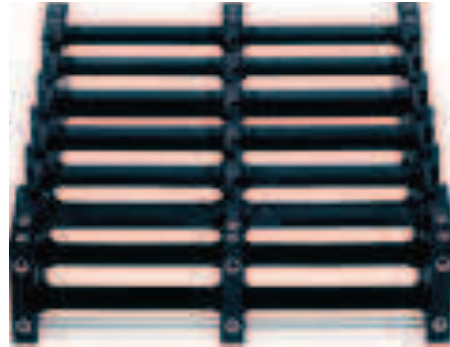
▶ page 7.123



Part No. structure
15050.10 /20 /10. .0
15050.Bi1/Bi2/Bi3. .0

Extension links - for extremely wide E-Chains® up to 3,0 m

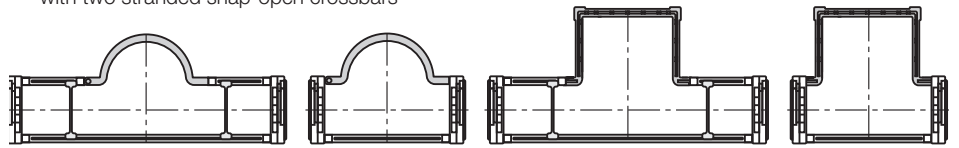
- For applications in which particularly high fill weights necessitate extremely wide E-Chains® (up to 3000 mm)
- The extension link design allows virtually limitless side-by-side attachment of chains
- The unsupported length of a chain can be increased when additional loads are required
- Extension links can be used with E-Chains®, E-Tubes or as a combination of both
- They are suitable for unsupported and gliding applications in a guide trough
- E-Chains® with extension links are attached with KMA or steel mounting brackets



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

Extender crossbars - careful guide of hoses applications

- Suitable for hoses with a maximum outer diameter of 270 mm
- Gliding operation with crossbars assembled along the outer radius and 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 stranded snap-open crossbars



Round extender crossbar with snap-open crossbars Attached directly to the side link Square extender crossbar with snap-open crossbars Attached directly to the side link

Part No.	Max Ø [mm] hose	Form	Installation side link	Combination with snap-open crossb.
450.15.RHD115	115	○	-	+
450.17.RD115	115	○	+	-
450.25.D150	150	□	+	-
450.30.D200	200	□	+	-
450.35.D250	220	□	+	-
450.40.D300	270	□	+	-
450.20.HD150	150	□	-	+
450.25.HD200	200	□	-	+
450.30.HD250	220	□	-	+

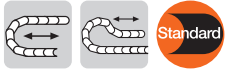
○ = round □ = square + = yes / - = no



E4 clip-on cable binder

- For side-mounted applications ● Serves as a clip-on, lateral guide for hoses and cables on E-Chains®
- The loops can be adjusted as required ● Compatible with many E4 E-Chains® ● Stylish and economical
- One clip and one locking band are needed for each chain link ● Call us if you have any questions on project planning

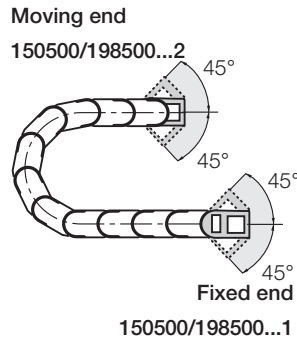
Part No.	Form
450.B12	Locking clip, comprising a locking element
450.B12.200	Locking band, comprising a locking element and band; 12 x 1,5 x 200 mm



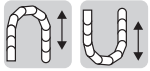
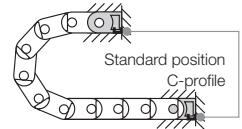
The Standard - Option KMA* - pivoting

- Recommended for unsupported and gliding applications
- Confined installation conditions
- Option - integrated C-profile strain relief device with Chainfix clip or strain relief tiwrap plates
- Corrosion resistant
- Universal mountable with attachment capability on all sides

*KMA = Polymer Metal Mounting Bracket



The attachment variants arising automatically by the choice of the KMA mounting bracket

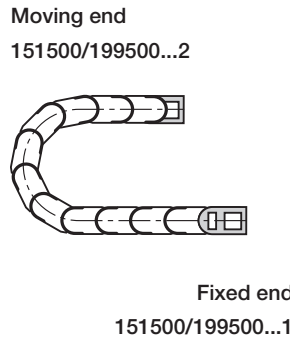


Option KMA - locking

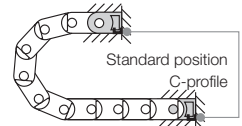
- Recommended for vertical hanging / standing applications

Additionally:

- Universal mountable
- C-profile option
- Corrosion resistant
- Locked connections
- At very high acceleration

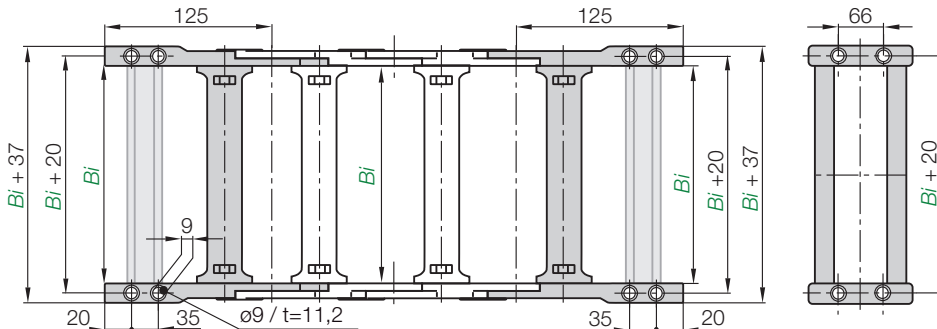


The attachment variants arising automatically by the choice of the KMA mounting bracket



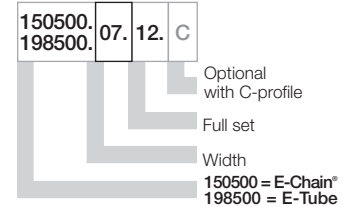
Moving end 150500/198500...2 (pivoting)
151500/199500...2 (locking)

Fixed end (pivoting) 150500/198500...1
(locking) 151500/199500...1

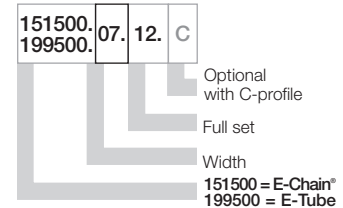


Dimensions and order configurations

Part No. structure (pivoting)



Part No. structure (locking)



Width index	Part No. full set pivoting	Part No. full set locking	C-profile option [mm]	Width index	Part No. full set pivoting	Part No. full set locking	C-profile option [mm]
.05.	150500	151500	.05.12.C 50	.32.	150500	151500	32.12.C 325
.06.	150500	151500	.06.12.C 65	.33.	150500	151500	.33.12.C 337
.07.	150500/198500	151500/199500	.07.12.C 75	.35.	150500/198500	151500/199500	.35.12.C 350
.10.	150500/198500	151500/199500	.10.12.C 100	.36.	150500	151500	.36.12.C 362
.11.	150500	151500	.11.12.C 112	.37.	150500	151500	.37.12.C 375
.12.	150500/198500	151500/199500	.12.12.C 125	.38.	150500	151500	.38.12.C 387
.13.	150500	151500	.13.12.C 137	.40.	150500/198500	151500/199500	.40.12.C 400
.15.	150500/198500	151500/199500	.15.12.C 150	.41.	150500	151500	.41.12.C 412
.16.	150500	151500	.16.12.C 162	.42.	150500	151500	.42.12.C 425
.17.	150500	151500	.17.12.C 175	.43.	150500	151500	.43.12.C 437
.18.	150500	151500	.18.12.C 187	.45.	150500	151500	.45.12.C 450
.20.	150500/198500	151500/199500	.20.12.C 200	.46.	150500/198500	151500/199500	.46.12.C 462
.21.	150500	151500	.21.12.C 212	.47.	150500	151500	.47.12.C 475
.22.	150500	151500	.22.12.C 225	.48.	150500	151500	.48.12.C 487
.23.	150500	151500	.23.12.C 237	.50.	150500	151500	.50.12.C 500
.25.	150500/198500	151500/199500	.25.12.C 250	.51.	150500	151500	.51.12.C 512
.26.	150500	151500	.26.12.C 262	.52.	150500	151500	.52.12.C 525
.27.	150500/198500	151500/199500	.27.12.C 275	.53.	150500	151500	.53.12.C 537
.28.	150500	151500	.28.12.C 287	.55.	150500	151500	.55.12.C 550
.30.	150500/198500	151500/199500	.30.12.C 300	.60.	150500	151500	.60.12.C 600
.31.	150500	151500	.31.12.C 312				

Full set, for both ends:

151500. 05. 12

Single-part order:

151500. 05. 2

Mounting bracket moving end

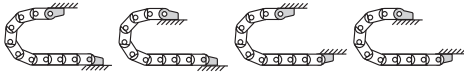
151500. 05. 1

Mounting bracket fixed end



Option steel - pivoting

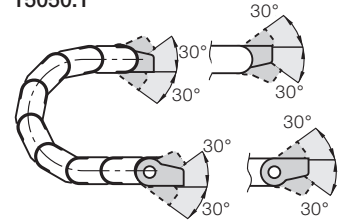
- For pivoting connections
- One part (two-piece) for all chain widths
- Electrically conductive



Possible installation conditions -

Further installation angles ► installation sketch

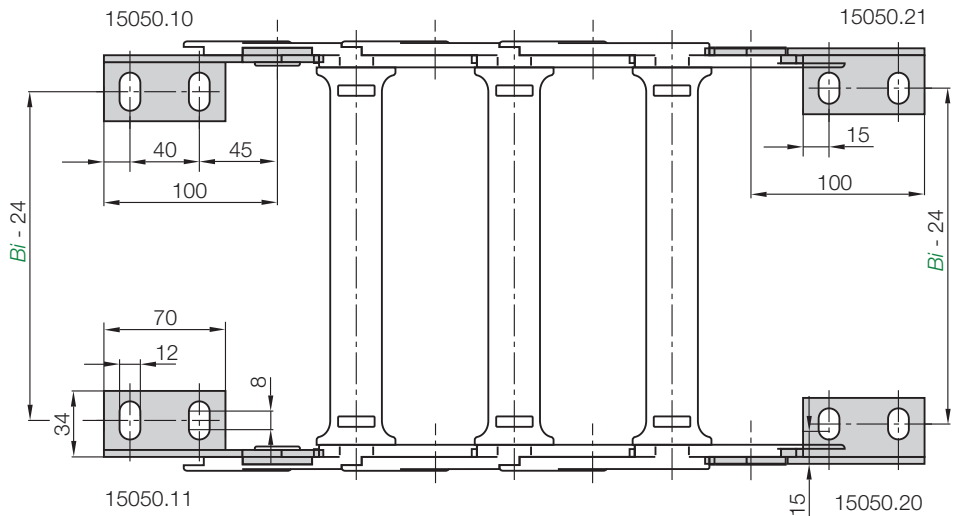
Moving end
15050.1



Fixed end
15050.2

Moving end
15050.1

Fixed end
15050.2



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51147 Cologne

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15050.12 Full set, 4 parts

2 with pin / 2 with bore

Single-part order:

15050.1 Mounting bracket

moving end, 1 part left / right

15050.2 Mounting bracket

fixed end, 1 part left / right

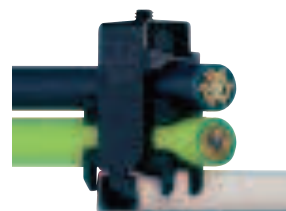
For E-Chain®	Part No. full set	Bi [mm]	For E-Chain®	Part No. full set	Bi [mm]
15050-15150.05	► 15050.12	50	15050-15150.32	► 15050.12	325
15050-15150.06	► 15050.12	65	15050-15150.33	► 15050.12	337
15050-15150-19850.07	► 15050.12	75	15050-15150-19850.35	► 15050.12	350
15050-15150-19850.10	► 15050.12	100	15050-15150.36	► 15050.12	362
15050-15150.11	► 15050.12	112	15050-15150.37	► 15050.12	375
15050-15150-19850.12	► 15050.12	125	15050-15150.38	► 15050.12	387
15050-15150.13	► 15050.12	137	15050-15150-19850.40	► 15050.12	400
15050-15150-19850.15	► 15050.12	150	15050-15150.41	► 15050.12	412
15050-15150.16	► 15050.12	162	15050-15150.42	► 15050.12	425
15050-15150.17	► 15050.12	175	15050-15150.43	► 15050.12	437
15050-15150.18	► 15050.12	187	15050-15150.45	► 15050.12	450
15050-15150-19850.20	► 15050.12	200	15050-15150-19850.46	► 15050.12	462
15050-15150.21	► 15050.12	212	15050-15150.47	► 15050.12	475
15050-15150.22	► 15050.12	225	15050-15150.48	► 15050.12	487
15050-15150.23	► 15050.12	237	15050-15150.50	► 15050.12	500
15050-15150-19850.25	► 15050.12	250	15050-15150.51	► 15050.12	512
15050-15150.26	► 15050.12	262	15050-15150.52	► 15050.12	525
15050-15150-19850.27	► 15050.12	275	15050-15150.53	► 15050.12	537
15050-15150.28	► 15050.12	287	15050-15150.55	► 15050.12	550
15050-15150-19850.30	► 15050.12	300	15050-15150.60	► 15050.12	600
15050-15150.31	► 15050.12	312			

Other strain relief elements

► chapter 10

Chainfix clamps for the C-profile

Part No. single clamps		Part No. double clamps		Part No. triple clamps		Cable ø [mm]
steel	stainless steel	steel	stainless steel	steel	stainless steel	
CFX12.1	CFX12.1.E	CFX12.2	CFX12.2.E	CFX12.3	-	06 - 12
CFX14.1	CFX14.1.E	CFX14.2	CFX14.2.E	CFX14.3	-	12 - 14
CFX16.1	CFX16.1.E	CFX16.2	CFX16.2.E	CFX16.3	-	14 - 16
CFX18.1	CFX18.1.E	CFX18.2	CFX18.2.E	CFX18.3	-	16 - 18
CFX20.1	CFX20.1.E	CFX20.2	CFX20.2.E	CFX20.3	-	18 - 20
CFX22.1	CFX22.1.E	CFX22.2	CFX22.2.E	CFX22.3	-	20 - 22
CFX26.1	CFX26.1.E	CFX26.2	CFX26.2.E	-	-	22 - 26
CFX30.1	CFX30.1.E	CFX30.2	CFX30.2.E	-	-	26 - 30
CFX34.1	CFX34.1.E	CFX34.2	CFX34.2.E	-	-	30 - 34
CFX38.1	CFX38.1.E	-	-	-	-	34 - 38
CFX42.1	CFX42.1.E	-	-	-	-	38 - 42

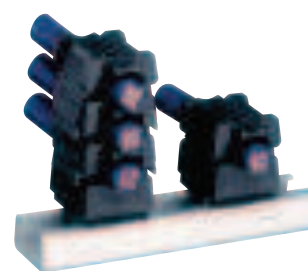


igus® Chainfix steel clamps and Chainfix stainless-steel clamps - max. pull forces, adjustable with hexagon socket. Available as single, double or triple clamps. **Details ▶ chapter 10**

Cable ø [mm]	Part No. clamp	Part No. bottom part
04 - 08	CFC-08-M	CFC-08-C
08 - 12	CFC-12-M	CFC-12-C
12 - 16	CFC-16-M	CFC-16-C
16 - 20	CFC-20-M	CFC-20-C
20 - 24	CFC-24-M	CFC-24-C

Chainfix Clip - Modular snap-on strain relief device for C-profile

Available for all igus® E-ChainSystems® with C-profiles and also suitable for assembly in the KMA mounting brackets and clip-on strain relief for crossbars. High pull forces, plug-in modular snap-on strain relief device. **Details ▶ chapter 10**



Part No.	ø max. conduit [mm]	Width [mm]
CFN.20	20	10,8
CFN.30.52	30	16,8
CFN.20.N35	20	20,0

Chainfix Nugget for the C-Profile

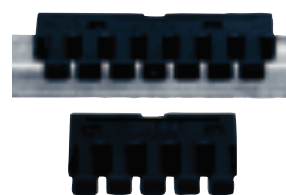
Strain relief for the fixation of cables up to a diameter of Ø 30 mm. Easy to assemble, without any screws and tools. Easy strain relief due to fixation with pre-harnessed cable strap, very small space requirement. **Details ▶ chapter 10**



Part No.	Width of strain relief [mm]	Number of teeth
3050.ZC	50	5
3075.ZC	75	7

Chainfix tiwrap plates with clip-on connection for the C-profile

Can be plugged into the KMA C-profile. Easy to assemble without any screws. Easily solvable with screwdriver nevertheless safe stop. For all E-Chains® with KMA and integrated C-profile. **Details ▶ chapter 10**

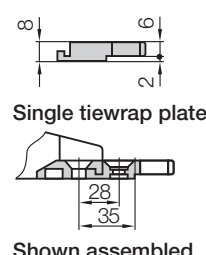
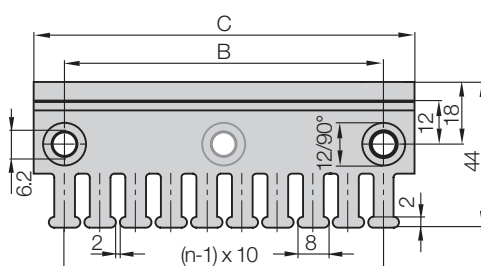


Tiewrap plate	No. of teeth n	Dim. C [mm]	Dim. B [mm]	Center bore
3050.ZB	5	50	30	-
3075.ZB	7	75	55	-
3100.ZB	10	100	80	-
3115.ZB	11	115	95	-
3125.ZB	12	125	105	-
3150.ZB	15	150	130	-
3175.ZB	17	175	155	-
3200.ZB	20	200	180	+
3225.ZB	22	225	205	+
3250.ZB	25	250	230	+

(- = no / + = yes)

Tiewrap plate as individual part

As individual component screwed on KMA. Can be plugged in the mounting brackets. **Details ▶ chapter 10**



System E4/light
Inner height: 80 mm

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▶ page 7.123

- B_a = Outer width E-Chains® / E-Tube
- B_i = Inner width E-Chains® / E-Tube
- h_a = Outer height E-Chains® / E-Tube
- H_{Ri} = Inner trough height
- H_{Ra} = Outer trough height
- B_{Ri} = Inner trough width ▶ depends on dim. B_a
- B_{Ra} = Outer trough width
- n_{Mon} = Number of installation sets (left/right)
- n_{Ri} = Number of troughs sets (left/right)
- $H_{Ri} \geq 2 \cdot h_a$
 $B_{Ri} \geq B_a + 4$
- = Guide trough set ● = Glide bar
● = Installation set "Basic" ● = C-profile

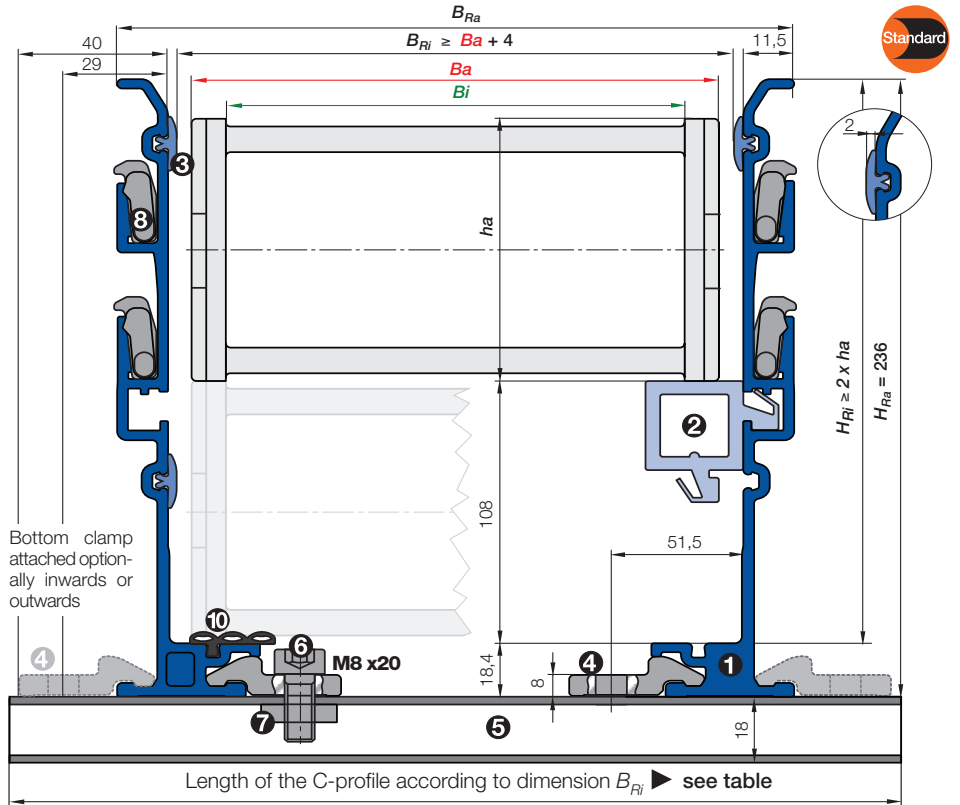
Installation set "Basic" with C-profile

Bottom Clamp attached optionally inwards or outwards

15050.30.300.0 ▶ Order example

	B_{Ri} [mm]	Part No.	
		attached inwards	attached outwards
.05	84	-	960.50.200
.06	99	-	960.50.225
.07	109	-	960.50.225
.08	121	-	960.50.250
.10	134	-	960.50.250
.11	146	960.50.200	960.50.275
.12	159	960.50.225	960.50.275
.13	171	960.50.225	960.50.300
.15	184	960.50.250	960.50.300
.16	196	960.50.250	960.50.325
.17	209	960.50.275	960.50.325
.18	221	960.50.275	960.50.350
.20	234	960.50.300	960.50.350
.21	246	960.50.300	960.50.375
.22	259	960.50.325	960.50.375
.23	271	960.50.325	960.50.400
.25	284	960.50.350	960.50.400
.26	296	960.50.350	960.50.425
.27	309	960.50.375	960.50.425
.28	321	960.50.375	960.50.450
.30	334	960.50.400	960.50.450
.31	346	960.50.400	960.50.475
.32	359	960.50.425	960.50.475
.33	371	960.50.425	960.50.500
.35	384	960.50.450	960.50.500
.36	396	960.50.450	960.50.525
.37	409	960.50.475	960.50.525
.38	421	960.50.475	960.50.550
.40	434	960.50.500	960.50.550
.41	446	960.50.500	960.50.575
.42	459	960.50.525	960.50.575
.43	471	960.50.525	960.50.600
.45	484	960.50.550	960.50.600
.46	496	960.50.550	960.50.625
.47	509	960.50.575	960.50.625
.48	521	960.50.575	960.50.650
.50	534	960.50.600	960.50.650
.51	546	960.50.600	960.50.675
.52	559	960.50.625	960.50.675
.53	571	960.50.625	960.50.700
.55	584	960.50.650	960.50.700
.60	634	960.50.700	960.50.750

Insert for the installation set "Heavy-Duty": **975.50.XXX** instead of (960.50.XXX) on the right column "attached outwards"



- **Components, trough "Basic":** ① Trough side parts, aluminum, 2 m ② Glide bar, plastic, 2 m ③ Glide strips, plastic, 2 m (without glide strips on request) ⑩ Optional: Silencer profile, rubber
- **Components, installation set "Basic":** ④ Bottom clamp, aluminum ⑤ C-profile, steel galvanized ⑥ Screw M8 x20 ⑦ Sliding nut M8 ⑧ Interface connector, plastic



Order example: Length of travel 30 m - Center mounted for Series 15050.30.300.0 with $B_{Ri} = 334$

Guide trough set (set of 2 trough side parts, incl. glide strips) **without** glide bar

Order text: 16 m guide trough without glide bar (8 x 2 m sections) Part No. 975.30.SL

Guide trough set (set of 2 trough side parts, incl. glide strips) **with** glide bar

Order text: 16 m guide trough with glide bar (8 x 2 m sections) Part No. 975.31.SL

Installation set "Basic" complete (guide trough-sets + 1)

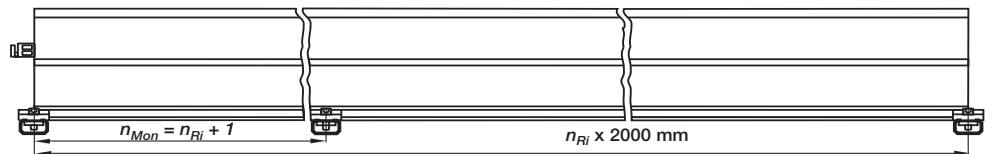
Order text: 17 installation sets "Basic" Part No. 960.50.400

Module for the fixed end

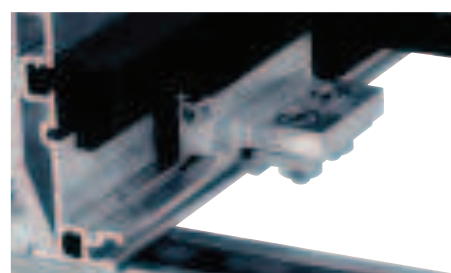
Order text: 1 set Part No. 975.80

Option: For an additional noise dampening with silencer profile, please add Index A - Example:

Part No. 975.30.SLA



Principle sketch: Number of installation sets to be installed = **Number of trough sections + 1**



A quick fix for mounting the stationary end of an E-Chain®

With this module for the fixed end, fast and easy mounting onto the Aluminum "SuperTrough" is now possible without any drilling. Fast mounting of the E-Chain® by clamping onto the aluminum trough

- Quick relocation of the stationary end
- No drilling necessary ▶ page 9.16

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