

Price index



Side-mounted - unsupported



ESD classification:
Electrically conductive ESD/ATEX version upon request



High torsional rigidity



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 4040/4140/R8840:

- When high torsional forces are expected
- For side-mounted applications involving large unsupported lengths
- For long-term operation in very moist environments
- Also available as Rol E-Chain®



When not to use it:

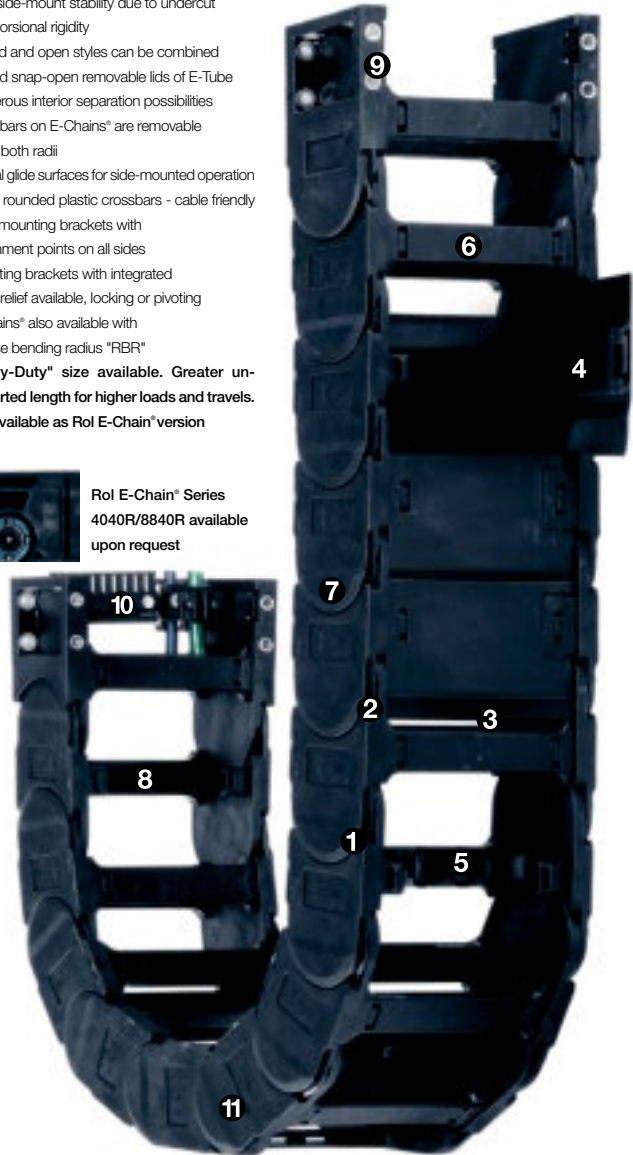
- If a quieter version is required
▶ Series E4.56, page 7.62
- If a simple and low-cost solution is required
▶ Series 14040/R18840, page 7.124
- When very long travels or high additional loads are involved
▶ Series 4040HD, page 7.260

- ① High side-mount stability due to undercut
- ② High torsional rigidity
- ③ Closed and open styles can be combined
- ④ Hinged snap-open removable lids of E-Tube
- ⑤ Numerous interior separation possibilities
- ⑥ Crossbars on E-Chains® are removable along both radii
- ⑦ Lateral glide surfaces for side-mounted operation
- ⑧ Wide, rounded plastic crossbars - cable friendly
- ⑨ KMA mounting brackets with attachment points on all sides
- ⑩ Mounting brackets with integrated strain relief available, locking or pivoting
- ⑪ E-Chains® also available with reverse bending radius "RBR"

! "Heavy-Duty" size available. Greater unsupported length for higher loads and travels. Also available as Rol E-Chain® version



Rol E-Chain® Series 4040R/8840R available upon request



Order example complete E-Chain®

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

5 m 4040.30.300.0

E-Chain®

with 2 separators 411 assembled every 2nd link

Interior separation

1 set 40400.30.12C

Mounting bracket

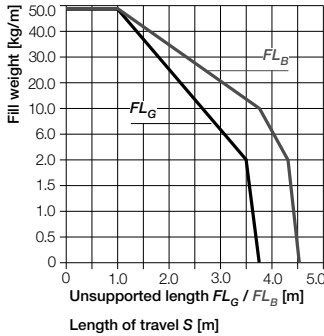
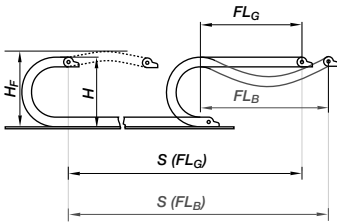


Unsupported length

FL_G = with straight upper run

FL_B = with permitted sag

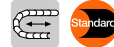
Further information ► **Design, page 1.12**



- 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

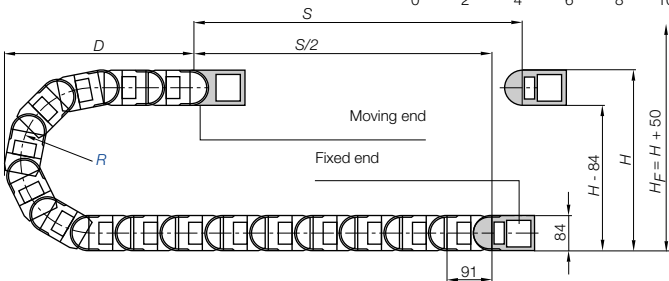
- Vertical, hanging ≤ 100 m
- Vertical, standing ≤ 6 m
- Side mounted, un supp. ≤ 3 m
- Rotary requires further calculation
- Unsupported length of upper run = upon request



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.

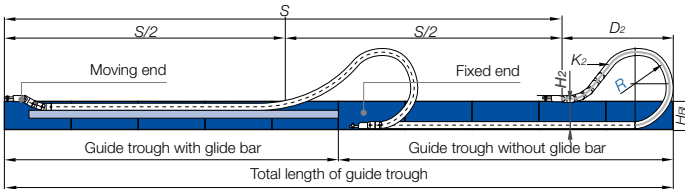
The required clearance height:
 $H_F = H + 50$ mm
 (with 3,0 kg/m fill weight)



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

R	135	150	175	200	240	250	300	350	400	500
H_{25}^0	360	385	435	485	565	585	685	785	885	1085
D	270	285	310	335	375	385	435	485	535	635
K	650	750	825	900	1020	1050	1225	1340	1450	1775
H_2	360	266	266	266	266	266	266	266	266	266
D_{25}^{+25}	270	480	600	730	930	940	1180	1440	1530	1850
K_2	650	819	1092	1274	1547	1547	2002	2366	2548	3185

Long travel lengths from 10 m to max. 300 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. 300 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.

Technical Data

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



Details of material properties

► page 1.38

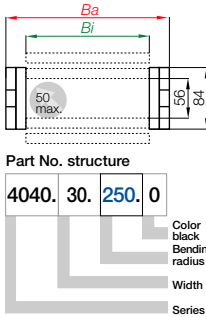
56

System E4/4
Inner height: 56 mm

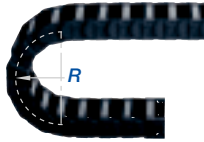
Phone +49- (0) 22 03-96 49-800
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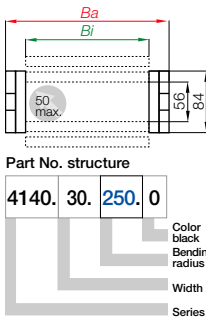
► page 7.223



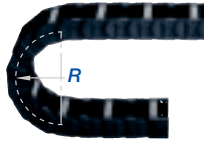
Series 4040- E-Chain® with crossbars every link



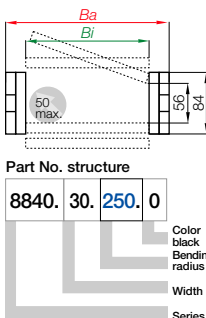
- Crossbars every link
- For rigid hydraulic hoses
- For applications particularly demanding
- Can be opened from two sides



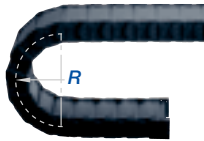
Series 4140 - E-Chain® with crossbars every 2nd link



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



Series R8840 - 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.



Rol instead of gliding: Rol E-Chain®

Special solution for long travels. 75% less drive power (gliding application) with igus® Rol E-Chain®.
Series 4040R - Order example 4040R.30.250.0
Further information: www.igus.de/en/role
or phone: +49-0 22 03-96 49-800



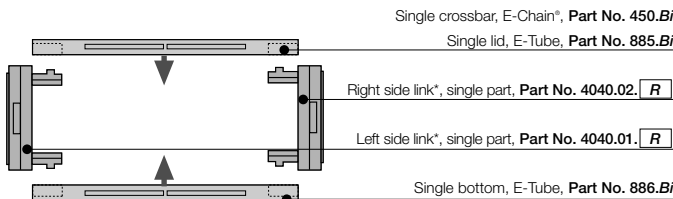
Part No.	<i>Bi</i> [mm]	<i>Ba</i> [mm]	4040 [kg/m]	4140 [kg/m]	R8840 [kg/m]	
4040/4140.05.	0	50	86	≈ 3,65	≈ 3,58	-
4040/4140.06.	0	65	101	≈ 3,67	≈ 3,60	-
4040/4140/8840.07.	0*	75	111	≈ 3,78	≈ 3,70	≈ 4,24
4040/4140.08.	0	87	123	≈ 3,83	≈ 3,75	-
4040/4140/8840.10.	0	100	136	≈ 3,96	≈ 3,78	≈ 4,52
4040/4140.11.	0	112	149	≈ 4,09	≈ 3,85	-
4040/4140/8840.12.	0	125	161	≈ 4,16	≈ 3,88	≈ 4,88
4040/4140.13.	0	137	174	≈ 4,29	≈ 3,95	-
4040/4140/8840.15.	0	150	186	≈ 4,36	≈ 3,98	≈ 5,31
4040/4140.16.	0	162	199	≈ 4,47	≈ 4,04	-
4040/4140.17.	0	175	211	≈ 4,58	≈ 4,09	-
4040/4140.18.	0	187	224	≈ 4,69	≈ 4,15	-
4040/4140/8840.20.	0	200	236	≈ 4,71	≈ 4,16	≈ 5,89
4040/4140.21.	0	212	249	≈ 4,82	≈ 4,21	-
4040/4140.22.	0	225	261	≈ 4,88	≈ 4,25	-
4040/4140.23.	0	237	274	≈ 5,02	≈ 4,31	-
4040/4140/8840.25.	0	250	286	≈ 5,10	≈ 4,36	≈ 6,61
4040/4140.26.	0	262	299	≈ 5,19	≈ 4,40	-
4040/4140/8840.27.	0	275	311	≈ 5,30	≈ 4,46	≈ 6,89
4040/4140.28.	0	287	324	≈ 5,32	≈ 4,47	-
4040/4140/8840.30.	0	300	336	≈ 5,54	≈ 4,58	≈ 7,27
4040/4140.31.	0	312	349	≈ 5,58	≈ 4,60	-
4040/4140.32.	0	325	361	≈ 5,63	≈ 4,62	-
4040/4140.33.	0	337	374	≈ 5,81	≈ 4,71	-
4040/4140/8840.35.	0	350	386	≈ 5,96	≈ 4,79	≈ 8,02
4040/4140.36.	0	362	399	≈ 5,96	≈ 4,79	-
4040/4140.37.	0	375	411	≈ 5,98	≈ 4,80	-
4040/4140.38.	0	387	424	≈ 6,07	≈ 4,84	-
4040/4140/8840.40.	0	400	436	≈ 6,27	≈ 4,94	≈ 8,98
4040/4140.41.	0	412	449	≈ 6,42	≈ 5,02	-
4040/4140.42.	0	425	461	≈ 6,58	≈ 5,09	-
4040/4140.43.	0	437	474	≈ 6,64	≈ 5,13	-
4040/4140.45.	0	450	486	≈ 6,71	≈ 5,16	-
4040/4140/8840.46.	0	462	499	≈ 6,73	≈ 5,19	≈ 9,44
4040/4140.47.	0	475	511	≈ 6,86	≈ 5,24	-
4040/4140.48.	0	487	524	≈ 6,88	≈ 5,28	-
4040/4140.50.	0	500	536	≈ 7,00	≈ 5,30	-
4040/4140.51.	0	512	549	≈ 7,02	≈ 5,31	-
4040/4140.52.	0	525	561	≈ 7,06	≈ 5,34	-
4040/4140.53.	0	537	574	≈ 7,22	≈ 5,41	-
4040/4140.55.	0	550	586	≈ 7,70	≈ 5,65	-
4040/4140.60.	0	600	636	≈ 7,90	≈ 5,75	-

Available bending radii

R [mm] 135** 150 175 200 240 250 300 350 400 500

Supplement Part No. with required radius. Example: 4040.30.300.0

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:

8840.40.150.0.HT

Lids made of HT:

8840.40.HTE.150.0

*for long travels upon request

Further information:

www.igus.de/en/HT

Delivery time
up to 4 weeks!

Extreme Glider...

...with up to 70% larger glide surface. For high additional loads and high gliding speeds. Gliding applications without additional elements as well as 150% more wear allowance and improvement of service life by factor 4!

Order example:

4040.35G.250.0

4040.45G.250.0

Further information:

phone +49-0 22 03-96 49-800



* Removable lid only, no hinged option

** not available for R8840



Extender crossbar for large diameter hoses ▶ page 7.254

Part No. E-Chain® - links, single parts

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

System E4/4
Inner height: 56 mm

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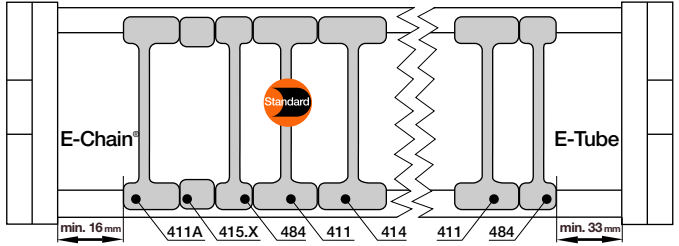


▶ page 7.223

igus® E-ChainSystems®



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 33 mm (E-Tube) and 16 mm (E-Chain)!



Vertical separator
401



Vertical separator
483



Spacer
405.XX



Locking separator
404



Vertical separator
406



Asymmetric
separator 401A



Vertical separator for E-Chains®/E-Tubes	
unassembled	401
assembled	411



Vertical separator for E-Chains®/E-Tubes	
unassembled	483
assembled	484



Spacer® for E-Chains®	
unassembled	405.XX
assembled	415.XX



Locking separator for E-Chains®	
unassembled	404
assembled	414



Vertical separator for E-Tubes	
unassembled	406
assembled	416



Asymmetric separator for E-Chains®	
unassembled	401A
assembled	411A



*For side-mounted applications

Option 1: Vertical separators and spacers

● **Standard separator 401 for E-Chains®/E-Tubes** offers safe stability due to its broad foot design, also when used with thick cables or hoses.

● **Vertical separator 483 with a narrow foot for E-Chains® and E-Tubes** with applications where a large number of small cables need to be individually separated.

● 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® 404** - 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

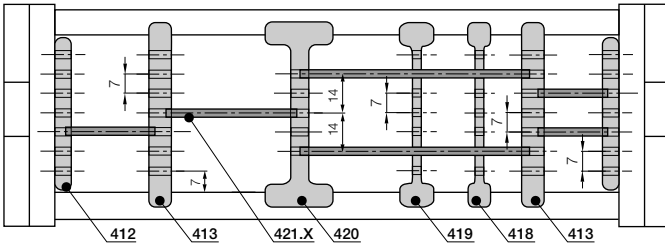
● **Locking separator 406 for E4-Tubes** - safe fitting locked on lid or bottom of the Tube and sideways slideable. The opposing lid or bottom can easily be opened and closed. Especially capable if many separators need to be assembled on a tight inner width

● **Asymmetric separator 401A for E-Chains®** with an 18-mm base, for combinations between spacers of different widths and vertical separators in side-mounted applications, for instance.

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Fax +49- (0) 22 03-96 49-222

igus® GmbH
51147 Cologne

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



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 402, middle plates 403 and shelves 420.X form the basic pattern of a shelf system. Shelves of various widths can be arranged at 7 different heights (in 7 mm increments).

● Locking vertical separator 410, slotted combined with shelves (only for E-Chains[®]).

● Slotted separators 408 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 409 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	402
assembled	412

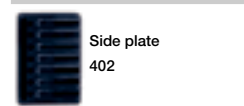
Middle plate for E-Chains [®] /E-Tubes	
unassembled	403
assembled	413

Locking vertical separator for E-Chains [®]	
unassembled	410
assembled	420

Slotted separator for E-Chains [®] /E-Tubes	
unassembled	408
assembled	418

Open slotted separator for E-Chains [®] /E-Tubes	
unassembled	409
assembled	419

Width X [mm]	Part No. unassembled	Part No. assembled	Width X [mm]	Part No. unassembled	Part No. assembled
018	420.18	421.18	075	420.75	421.75
023	420.23	421.23	088	420.88	421.88
025	420.25	421.25	100	420.100	421.100
028	420.28	421.28	125	420.125	421.125
033	420.33	421.33	150	420.150	421.150
043	420.43	421.43	175	420.175	421.175
050	420.50	421.50	187	420.187	421.187
062	420.62	421.62	200	420.200	421.200



Side plate 402



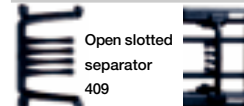
Middle plate 403



Locking vertical separator 410



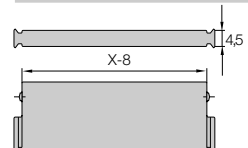
Slotted separator 408



Open slotted separator 409



Shelf 420.X



Additional elements for interior separation

Center crossbar	
unassembled	405
assembled	415

Center crossbar - was developed for applications with a large number of thin cables. The center crossbar offers the option of subdividing the E-Chain[®] independently into upper and lower halves.

Rollclip	
unassembled	489.27
assembled	490.27

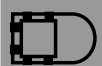
Rollclip - minimizes abrasion of particularly sensitive hoses. The Rollclip is simply clamped onto the opening crossbar. The movable rollers compensate for relative movement between the chain and hose.

Roller separator	
unassembled	429
assembled	430

Roller separator - performs a similar function to the Rollclip, but doubles as a separator.

System E4/4
Inner height: 56 mm

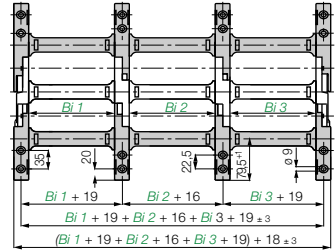
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Extension links - for extremely wide E-Chains® up to 3,0 m

- 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

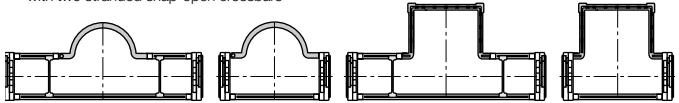


Part No. structure
4040.10 /20 /10. .0
4040.Bi1/Bi2/Bi3. .0



Extender crossbars - careful guide of hoses applications

- Suitable for hoses with a maximum outer diameter of 245 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

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

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	180	□	+	-
450.35.D250	195	□	+	-
450.40.D300	245	□	+	-
450.20.HD150	150	□	-	+
450.25.HD200	180	□	-	+
450.30.HD250	195	□	-	+

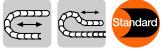
○ = round □ = square + = yes / - = no



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

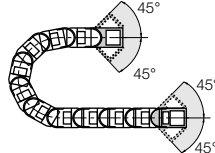


The Standard - Option KMA* - pivoting

- 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

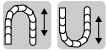
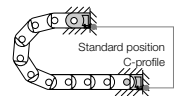
Moving end
40400/88400...1



Fixed end
40400/88400...2



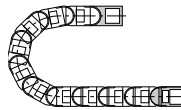
The attachment variants arising automatically by the choice of the KMA mounting bracket



Option KMA - locking

- Recommended for vertical hanging / standing applications
- Additionally:**
- Universal mountable
 - C-profile option
 - Corrosion resistant
 - Locked connections
 - At very high acceleration

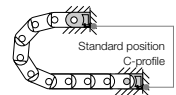
Moving end
41400/89400...1



Fixed end
41400/89400...2

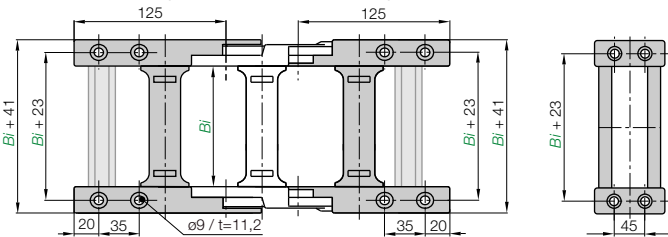


The attachment variants arising automatically by the choice of the KMA mounting bracket



Fixed end
40400/88400...2 (pivoting)
41400/89400...2 (locking)

Moving end
(pivoting) 40400/88400...1
(locking) 41400/89400...1



Dimensions and order configurations

Part No. structure (pivoting)

40400.88400.	07.	12.	C
--------------	-----	-----	---

Optional with C-profile
Full set
Width
40400 = E-Chain
88400 = E-Tube

Part No. structure (locking)

41400.89400.	07.	12.	C
--------------	-----	-----	---

Optional with C-profile
Full set
Width
41400 = E-Chain
89400 = E-Tube

Width index	Part No. full set pivoting	Part No. full set locking	C-profile option [mm]	Bi	Width index	Part No. full set pivoting	Part No. full set locking	C-profile option [mm]	Bi
.05.	▶ 40400	41400	.05.12. [C]	50	.31.	▶ 40400	41400	.31.12. [C]	312
.06.	▶ 40400	41400	.06.12. [C]	65	.32.	▶ 40400	41400	.32.12. [C]	325
.07.	▶ 40400/88400	41400/89400	.07.12. [C]	75	.33.	▶ 40400	41400	.33.12. [C]	337
.08.	▶ 40400	41400	.08.12. [C]	87	.35.	▶ 40400/88400	41400/89400	.35.12. [C]	350
.10.	▶ 40400/88400	41400/89400	.10.12. [C]	100	.36.	▶ 40400	41400	.36.12. [C]	362
.11.	▶ 40400	41400	.11.12. [C]	112	.37.	▶ 40400	41400	.37.12. [C]	375
.12.	▶ 40400/88400	41400/89400	.12.12. [C]	125	.38.	▶ 40400	41400	.38.12. [C]	387
.13.	▶ 40400	41400	.13.12. [C]	137	.40.	▶ 40400/88400	41400/89400	.40.12. [C]	400
.15.	▶ 40400/88400	41400/89400	.15.12. [C]	150	.41.	▶ 40400	41400	.41.12. [C]	412
.16.	▶ 40400	41400	.16.12. [C]	162	.42.	▶ 40400	41400	.42.12. [C]	425
.17.	▶ 40400	41400	.17.12. [C]	175	.43.	▶ 40400	41400	.43.12. [C]	437
.18.	▶ 40400	41400	.18.12. [C]	187	.45.	▶ 40400	41400	.45.12. [C]	450
.20.	▶ 40400/88400	41400/89400	.20.12. [C]	200	.46.	▶ 40400/88400	41400/89400	.46.12. [C]	462
.21.	▶ 40400	41400	.21.12. [C]	212	.47.	▶ 40400	41400	.47.12. [C]	475
.22.	▶ 40400	41400	.22.12. [C]	225	.48.	▶ 40400	41400	.48.12. [C]	487
.23.	▶ 40400	41400	.23.12. [C]	237	.50.	▶ 40400	41400	.50.12. [C]	500
.25.	▶ 40400/88400	41400/89400	.25.12. [C]	250	.51.	▶ 40400	41400	.51.12. [C]	512
.26.	▶ 40400	41400	.26.12. [C]	262	.52.	▶ 40400	41400	.52.12. [C]	525
.27.	▶ 40400/88400	41400/89400	.27.12. [C]	275	.53.	▶ 40400	41400	.53.12. [C]	537
.28.	▶ 40400	41400	.28.12. [C]	287	.55.	▶ 40400	41400	.55.12. [C]	550
.30.	▶ 40400/88400	41400/89400	.30.12. [C]	300	.60.	▶ 40400	41400	.60.12. [C]	600

Full set, for both ends:

40400.[05].[12]

Single-part order:

40400.[05].[1]

Mounting bracket moving end

40400.[05].[2]

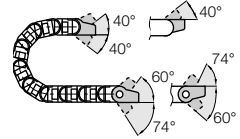
Mounting bracket fixed end



Option steel - pivoting

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

Moving end
40400.1



Fixed end
40400.2

Possible installation conditions -

Further installation angles ► installation sketch

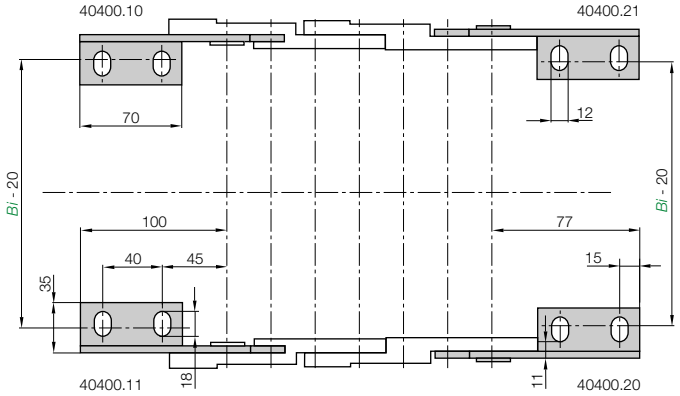
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Moving end
40400.1

Fixed end
40400.2



For E-Chain*	Part No. full set	Bi [mm]	For E-Chain*	Part No. full set	Bi [mm]
4040-4140.05	40400.12	50	4040-4140.31	40400.12	312
4040-4140.06	40400.12	65	4040-4140.32	40400.12	325
4040-4140-8840.07	40400.12	75	4040-4140.33	40400.12	337
4040-4140-8840.08	40400.12	87	4040-4140-8840.35	40400.12	350
4040-4140-8840.10	40400.12	100	4040-4140.36	40400.12	362
4040-4140.11	40400.12	112	4040-4140.37	40400.12	375
4040-4140-8840.12	40400.12	125	4040-4140.38	40400.12	387
4040-4140.13	40400.12	137	4040-4140-8840.40	40400.12	400
4040-4140-8840.15	40400.12	150	4040-4140.41	40400.12	412
4040-4140.16	40400.12	162	4040-4140.42	40400.12	425
4040-4140.17	40400.12	175	4040-4140.43	40400.12	437
4040-4140.18	40400.12	187	4040-4140.45	40400.12	450
4040-4140-8840.20	40400.12	200	4040-4140-8840.46	40400.12	462
4040-4140.21	40400.12	212	4040-4140.47	40400.12	475
4040-4140.22	40400.12	225	4040-4140.48	40400.12	487
4040-4140.23	40400.12	237	4040-4140.50	40400.12	500
4040-4140-8840.25	40400.12	250	4040-4140.51	40400.12	512
4040-4140.26	40400.12	262	4040-4140.52	40400.12	525
4040-4140-8840.27	40400.12	275	4040-4140.53	40400.12	537
4040-4140.28	40400.12	287	4040-4140.55	40400.12	550
4040-4140-8840.30	40400.12	300	4040-4140.60	40400.12	600

40400.12 Full set, 4 parts
2 with pin / 2 with bore

Single-part order:

40400.1 Mounting bracket
moving end, 1 part left / right

40400.2 Mounting bracket
fixed end, 1 part left / right

Chainfix clamps for the C-profile

Part No. single clamps		Part No. double clamps		Part No. triple clamps		Cable
steel	stainless steel	steel	stainless steel	steel	stainless steel	ø [mm]
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**

System E4/4
Inner height: 56 mm

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

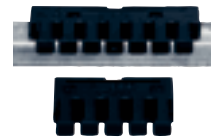
Strain relief for the fixation of cables up to a diameter of Ø 30 mm. Easy to assemble, without any screws and tools. Easy strain relief due to fixation with pre-harnessed cable strap, very small space requirement. **Details ▶ chapter 10**



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**

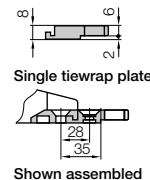
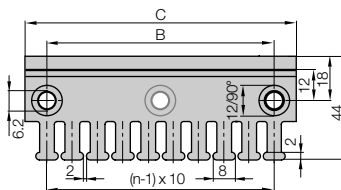


Tiewrap plate	No. of teeth n	Dim. C [mm]	Dim. B [mm]	Center bore
3050.ZB	5	50	30	-
3075.ZB	7	75	55	-
3100.ZB	10	100	80	-
3115.ZB	11	115	95	-
3125.ZB	12	125	105	-
3150.ZB	15	150	130	-
3175.ZB	17	175	155	-
3200.ZB	20	200	180	+
3225.ZB	22	225	205	+
3250.ZB	25	250	230	+

(- = no / + = yes)

Tiewrap plate as individual part

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



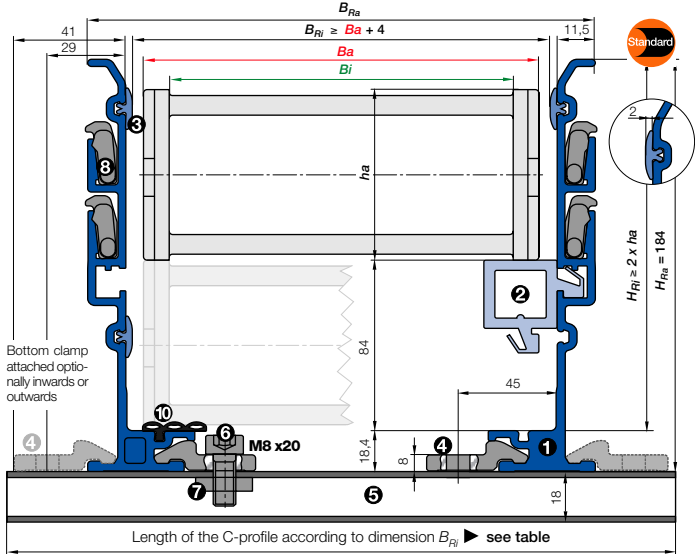
Details about all strain relief option for this series ▶ chapter 10

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▶ page 7.223

- Ba** = Outer width E-Chains® / E-Tube
- Bi** = Inner width E-Chains® / E-Tube
- ha** = Outer height E-Chains® / E-Tube
- H_{Ri}** = Inner trough height
- H_{Ra}** = Outer trough height
- B_{Ri}** = Inner trough width ▶ depends on dim. **Ba**
- B_{Ra}** = Outer trough width
- n_{Mon}** = Number of installation sets (left/right)
- n_{Ri}** = Number of troughs sets (left/right)
- H_{Ri} ≥ 2 • ha**
- B_{Ri} ≥ Ba + 4**
- = Guide trough set ● = Glide bar
- = Installation set "Basic" ● = C-profile



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Installation set "Basic" with C-profile

Bottom Clamp attached optionally inwards or outwards

4040.05.200.0 ▶ Order example

B _{Ri} [mm]	Part No.	
	attached inwards	attached outwards
.05	90	960.50.225
.06	105	960.50.225
.07	115	960.50.250
.08	127	960.50.175
.10	140	960.50.200
.11	153	960.50.200
.12	165	960.50.225
.13	178	960.50.225
.15	190	960.50.250
.16	203	960.50.250
.17	215	960.50.275
.18	228	960.50.275
.20	240	960.50.300
.21	253	960.50.300
.22	265	960.50.325
.23	278	960.50.325
.25	290	960.50.350
.26	303	960.50.350
.27	315	960.50.375
.28	328	960.50.375
.30	340	960.50.400
.31	353	960.50.400
.32	365	960.50.425
.33	378	960.50.425
.35	390	960.50.450
.36	403	960.50.450
.37	415	960.50.475
.38	428	960.50.475
.40	440	960.50.500
.41	453	960.50.500
.42	465	960.50.525
.43	478	960.50.525
.45	490	960.50.550
.46	503	960.50.550
.47	515	960.50.575
.48	528	960.50.575
.50	540	960.50.600
.51	553	960.50.600
.52	565	960.50.625
.53	578	960.50.625
.55	590	960.50.650
.60	640	960.50.775

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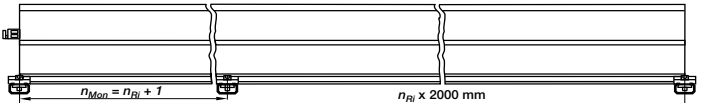


- **Components, trough "Basic":** ① Trough side parts, aluminum, 2 m ② Glide bar, plastic, 2 m ③ Glide strips, plastic, 2 m (without glide strips on request) ⑩ Optional: Silencer profile, rubber
- **Components, installation set "Basic":** ④ Bottom clamp, aluminum ⑤ C-profile, steel galvanized ⑥ Screw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

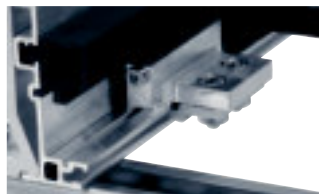


Order example: Length of travel 30 m - Center mounted for Series 4040.10.200.0 with B_{Ri} = 140

- 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. 974.30.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. 974.31.SL**
- Installation set "Basic" complete (guide trough-sets + 1)
Order text: 17 installation sets "Basic" **Part No. 960.50.200**
- Module for the fixed end
Order text: 1 set **Part No. 974.80**
- Option:** For an additional noise dampening with silencer profile, please add Index A - Example: **Part No. 974.30.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](#)