Price index

Series 4040 | Series 4140 | Series R8840

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 RoI 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 RoI E-Chain® version

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

Order example complete E-Chain®

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

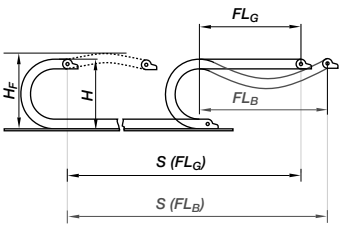
5 m **4040.30.300.0**	**E-Chain®**
with 2 separators **411** assembled every 2nd link	**Interior separation**
1 set **40400.30.12C**	**Mounting bracket**

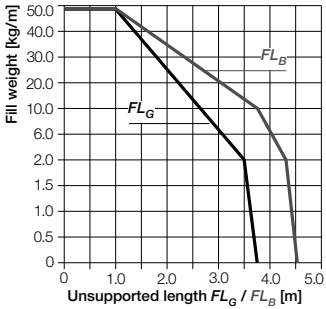
Available from stock. Delivery in 24h or today! (Delivery time means time until shipping of goods)

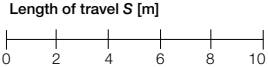
Phone +49- (0) 22 03-96 49-800
Fax +49- (0) 22 03-96 49-222

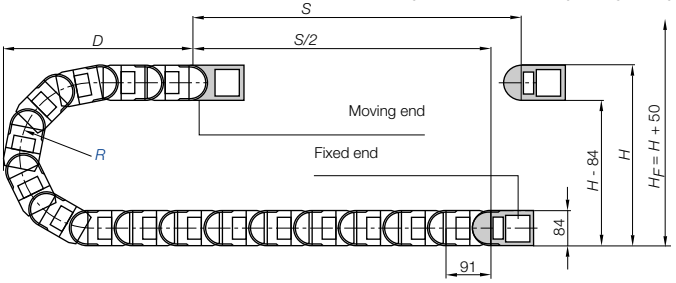
Unsupported length

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	135	150	175	200	240	250	300	350	400	500
H^{-0}_{+25}	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_2^{+25}	270	480	600	730	930	940	1180	1440	1530	1850
K_2	650	819	1092	1274	1547	1547	2002	2366	2548	3185

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 = $\pi \bullet R$ + "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, unsupp. ≤ 3 m
Rotary requires further calculation
Unsupported length of upper run = upon request

Standard

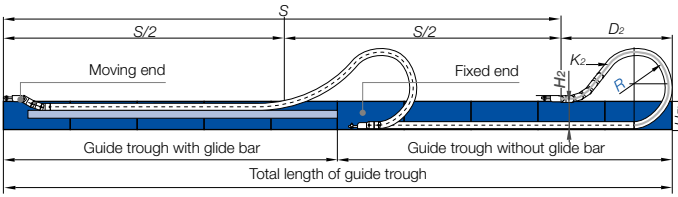
Short travels - unsupported

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)

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/s²]
Speed / acceleration FL_B	max. 3 [m/s] / max. 6 [m/s²]
Gliding speed / acceleration (maximum)	max. 10 [m/s] / max. 50 [m/s²]
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**

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

▶ page 7.223

igus® E-ChainSystems®

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igus® GmbH
51147 Cologne

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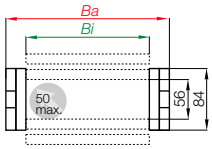
E-mail: info@igus.de

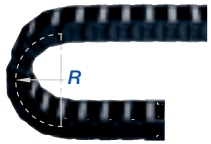
Series 4040- E-Chain® with crossbars every link



Part No. structure

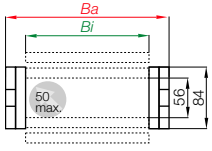
4040.	30.	250.	0

Color black
Bending radius
Width
Series



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

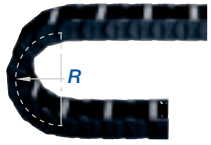
Series 4140 - E-Chain® with crossbars every 2nd link



Part No. structure

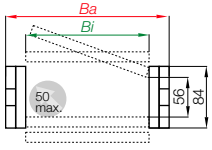
4140.	30.	250.	0

Color black
Bending radius
Width
Series



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

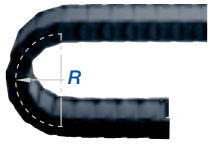
Series R8840 - Fully enclosed E-Tube



Part No. structure

8840.	30.	250.	0

Color black
Bending radius
Width
Series



- 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

3D-CAD files, pdf-downloads ▶ www.igus.de/en/4040 · www.igus.de/en/4140 · www.igus.de/en/r8840

Phone +49- (0) 22 03-96 49-800
Fax +49- (0) 22 03-96 49-222

Part No.		Bi [mm]	Ba [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...

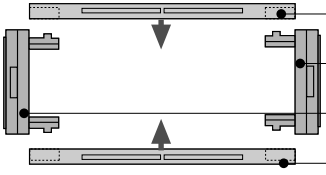
...with up to 70% larger glide surface. For high additional loads and high gliding speeds. Gliding applications without additional elements as well as 150% more wear allowance and improvement of service life by factor 4!

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



Single crossbar, E-Chain®, **Part No. 450.*Bi***

Single lid, E-Tube, **Part No. 885.*Bi***

Right side link*, single part, **Part No. 4040.02. R**

Left side link*, single part, **Part No. 4040.01. R**

Single bottom, E-Tube, **Part No. 886.*Bi***

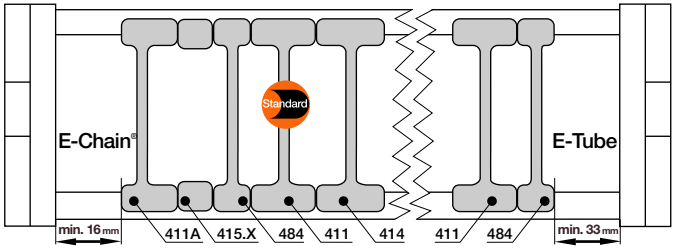
Part No. E-Chain®-links, single parts

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

▶ page 7.223

3D-CAD files, pdf-downloads ▶ www.igus.de/en/4040 · www.igus.de/en/4140 · www.igus.de/en/r8840

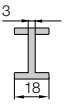
Vertical separators are used if a vertical subdivision is required. In the standard configuration, a separator is mounted at every second link. **Note:** Observe a lateral spacing of at least 33 mm (E-Tube) and 16 mm (E-Chain®)!



Standard

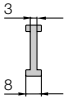
Vertical separator 401

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



Vertical separator 483

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

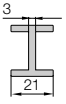


Spacer 405.XX

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

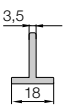
Locking separator 404

Locking separator for E-Chains®	
unassembled	404
assembled	414



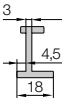
Vertical separator 406

Vertical separator for E-Tubes	
unassembled	406
assembled	416



Asymmetric separator 401A

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.

igus® E-ChainSystems®
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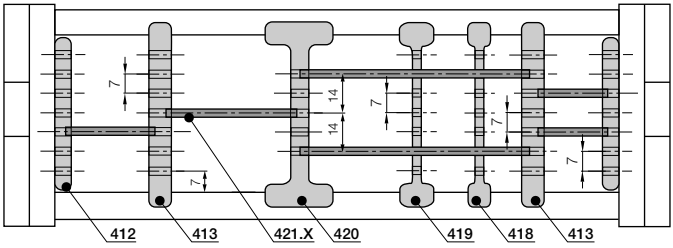


For use with many cables of differing diameters. E-Chains® and E-Tubes can be subdivided both vertically and horizontally. The shelves can be arranged elevator-shifted with different bottoms

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**).

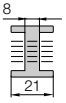
● **Locking vertical separator 410,** slotted combined with shelves (only for E-Chains®).

● **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.

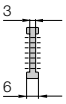
● The unilateral **open slotted separator 409 can be retrofitted** into an existing interior separation system without a need for dismantling the interior separators. During an installation of open slotted separators, the top and bottom notches cannot be occupied by shelves.

Side plate for E-Chains®/E-Tubes	
unassembled	**402**
assembled	**412**

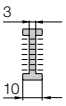
Middle plate for E-Chains®/E-Tubes	
unassembled	**403**
assembled	**413**



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**

Side plate
402

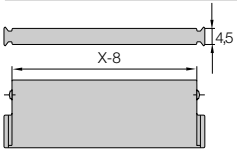
Middle plate
403

Locking vertical separator
410

Slotted separator
408

Open slotted separator
409

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**

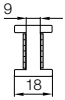
Additional elements for interior separation

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.

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▶ page 7.223

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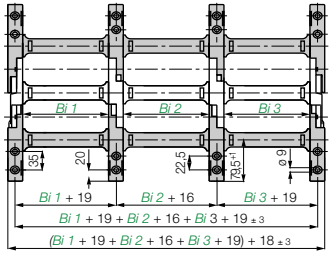
Extension links - for extremely wide E-Chains® up to 3,0 m

- 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

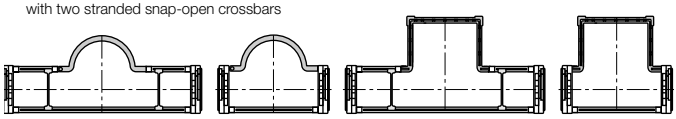


Part No. structure
4040.10 /20 /10. 200 .0
4040.*Bi1*/*Bi2*/*Bi3*. R .0

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

Extender crossbars - careful guide of hosed 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**

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

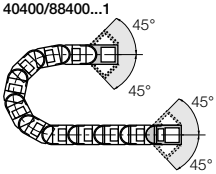
3D-CAD files, pdf-downloads ▶ www.igus.de/en/4040 · www.igus.de/en/4140 · www.igus.de/en/r8840

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 tiewrap plates
- Corrosion resistant
- Universal mountable with attachment capability on all sides

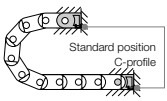
*KMA = Polymer Metal Mounting Bracket

Moving end
40400/88400...1



Fixed end
40400/88400...2

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



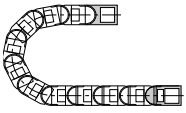
Option KMA - locking

- Recommended for vertical hanging / standing applications

Additionally:

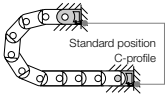
- Universal mountable
- C-profile option
- Corrosion resistant
- Locked connections
- At very high acceleration

Moving end
41400/89400...1



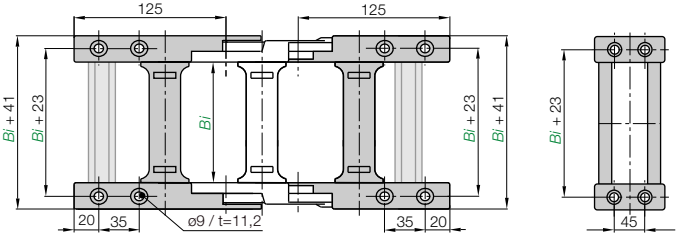
Fixed end
41400/89400...2

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



Width index	Part No. full set pivoting	locking	C-profile option	Bi [mm]
.05.	40400	41400	.05.12.C	50
.06.	40400	41400	.06.12.C	65
.07.	40400/88400	41400/89400	.07.12.C	75
.08.	40400	41400	.08.12.C	87
.10.	40400/88400	41400/89400	.10.12.C	100
.11.	40400	41400	.11.12.C	112
.12.	40400/88400	41400/89400	.12.12.C	125
.13.	40400	41400	.13.12.C	137
.15.	40400/88400	41400/89400	.15.12.C	150
.16.	40400	41400	16.12.C	162
.17.	40400	41400	.17.12.C	175
.18.	40400	41400	.18.12.C	187
.20.	40400/88400	41400/89400	.20.12.C	200
.21.	40400	41400	.21.12.C	212
.22.	40400	41400	22.12.C	225
.23.	40400	41400	23.12.C	237
.25.	40400/88400	41400/89400	.25.12.C	250
.26.	40400	41400	.26.12.C	262
.27.	40400/88400	41400/89400	.27.12.C	275
.28.	440400	41400	.28.12.C	287
.30.	40400/88400	41400/89400	.30.12.C	300

Width index	Part No. full set pivoting	locking	C-profile option	Bi [mm]
.31.	40400	41400	.31.12.C	312
.32.	40400	41400	.32.12.C	325
.33.	40400	41400	.33.12.C	337
.35.	40400/88400	41400/89400	.35.12.C	350
.36.	40400	41400	.36.12.C	362
.37.	40400	41400	.37.12.C	375
.38.	40400	41400	.38.12.C	387
.40.	40400/88400	41400/89400	.40.12.C	400
.41.	40400	41400	.41.12.C	412
.42.	40400	41400	.42.12.C	425
43.	40400	41400	43.12.C	437
.45	40400	41400	.45.12.C	450
.46.	40400/88400	41400/89400	.46.12.C	462
.47.	40400	41400	.47.12.C	475
.48.	40400	41400	.48.12.C	487
.50.	40400	41400	.50.12.C	500
.51.	40400	41400	.51.12.C	512
.52.	40400	41400	.52.12.C	525
.53.	40400	41400	.53.12.C	537
.55.	40400	41400	.55.12.C	550
.60.	40400	41400	.60.12.C	600

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)

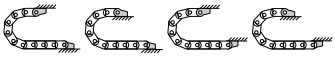
41400.
89400.
07.
12.
C

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

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**

▶ page 7.223

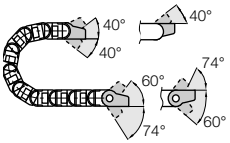


Possible installation conditions -
Further installation angles ▶ installation sketch

Option steel - pivoting

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

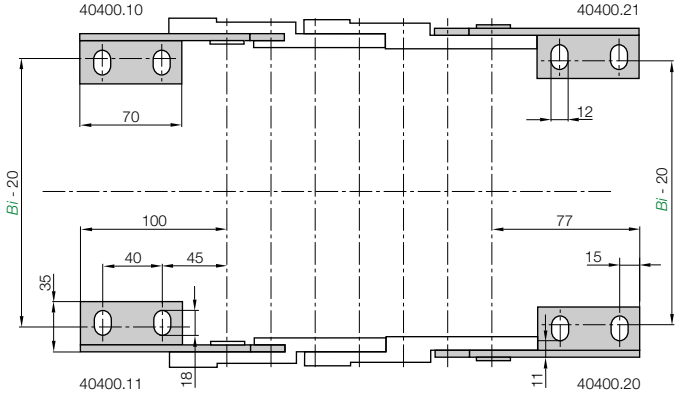
Moving end
40400.1



Fixed end
40400.2

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

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3D-CAD files, pdf-downloads ▶ www.igus.de/en/4040 · www.igus.de/en/4140 · www.igus.de/en/r8840

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**

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

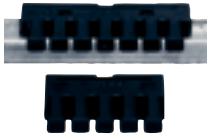
Chainfix Nugget for the C-Profil

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 tiewrap 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**

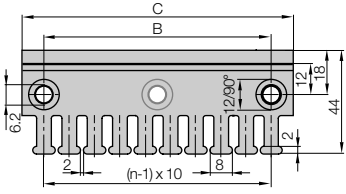


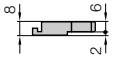
Tiewrap plate	No. of teeth *n*	Dim. C [mm]	Dim. B [mm]	Center bore
3050.ZB	5	50	30	–
3075.ZB	7	75	55	–
3100.ZB	10	100	80	–
3115.ZB	11	115	95	–
3125.ZB	12	125	105	–
3150.ZB	15	150	130	–
3175.ZB	17	175	155	–
3200.ZB	20	200	180	+
3225.ZB	22	225	205	+
3250.ZB	25	250	230	+

(– = no / + = yes)

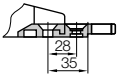
Tiewrap plate as individual part

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





Single tiewrap plate



Shown assembled

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

▶ Chapter 10

▶ page 7.223

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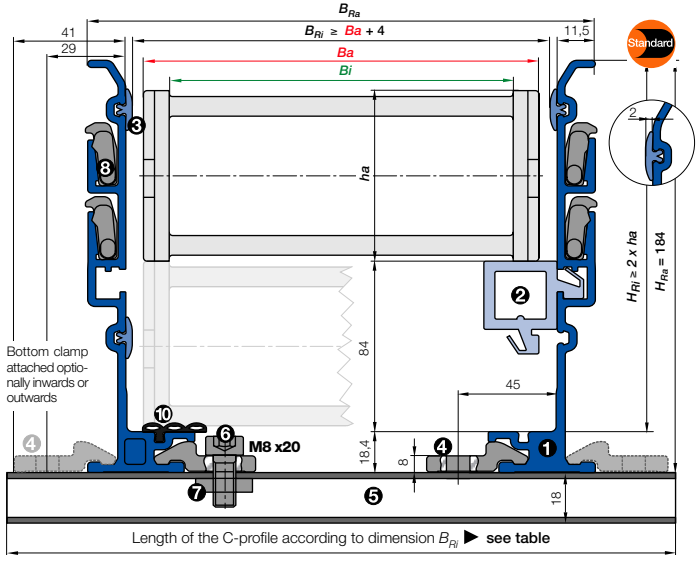
Part No. 974.30.SL | 974.31.SL | Trough height: 184 mm
Aluminum "SuperTrough" | Basic Version

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)

$H_{Ri} \geq 2 \bullet ha$
$B_{Ri} \geq Ba + 4$

● = Guide trough set ● = Glide bar
● = Installation set "Basic" ● = C-profile



● **Components, trough "Basic":** ❶ Trough side parts, aluminum, 2 m ❷ Glide bar, plastic, 2 m ❸ Glide strips, plastic, 2 m (without glide strips on request) ⑩ Optional: Silencer profile, rubber ● **Components, installation set "Basic":** ❹ Bottom clamp, aluminum ❺ C-profile, steel galvanized ❻ Screw M8 x20 ❼ Sliding nut M8 ❽ Interface connector, plastic

Installation set "Basic" with C-profile

Bottom Clamp attached optionally **inwards** or **outwards**

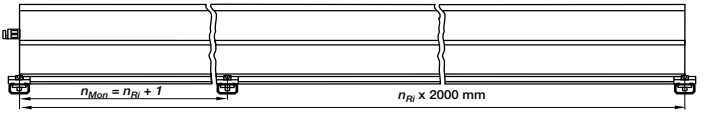
4040.**05**.200.0 ▶ Order example

	B_{Ri} [mm]	Part No. attached inwards	Part No. attached outwards
.05	90	–	960.50.225
.06	105	–	960.50.225
.07	115	–	960.50.250
.08	127	960.50.175	960.50.250
.10	140	960.50.200	960.50.275
.11	153	960.50.200	960.50.275
.12	165	960.50.225	960.50.300
.13	178	960.50.225	960.50.300
.15	190	960.50.250	960.50.325
.16	203	960.50.250	960.50.325
.17	215	960.50.275	960.50.350
.18	228	960.50.275	960.50.350
.20	240	960.50.300	960.50.375
.21	253	960.50.300	960.50.375
.22	265	960.50.325	960.50.400
.23	278	960.50.325	960.50.400
.25	290	960.50.350	960.50.425
.26	303	960.50.350	960.50.425
.27	315	960.50.375	960.50.450
.28	328	960.50.375	960.50.450
.30	340	960.50.400	960.50.475
.31	353	960.50.400	960.50.475
.32	365	960.50.425	960.50.500
.33	378	960.50.425	960.50.500
.35	390	960.50.450	960.50.525
.36	403	960.50.450	960.50.525
.37	415	960.50.475	960.50.550
.38	428	960.50.475	960.50.550
.40	440	960.50.500	960.50.575
.41	453	960.50.500	960.50.575
.42	465	960.50.525	960.50.600
.43	478	960.50.525	960.50.600
.45	490	960.50.550	960.50.625
.46	503	960.50.550	960.50.625
.47	515	960.50.575	960.50.650
.48	528	960.50.575	960.50.650
.50	540	960.50.600	960.50.675
.51	553	960.50.600	960.50.675
.52	565	960.50.625	960.50.700
.53	578	960.50.625	960.50.700
.55	590	960.50.650	960.50.725
.60	640	960.50.700	960.50.775

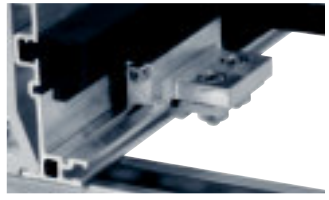
Insert for the installation set "Heavy-Duty": **974.50.XXX** instead of (**960.50.XXX**) on the right column "attached outwards"

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**

Details about Alu "SuperTrough" and further guidance possibilities ▶ chapter 9, Guide Troughs

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