

4040HD
crossbars every link

8840HD
fully enclosed

e-chains® | Series 4040HD | crossbars every link, openable along both radii
e-tubes | Series 8840HD | fully enclosed, hinged, snap-open removable lids

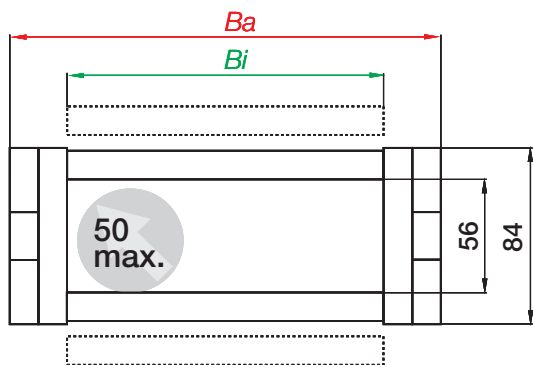
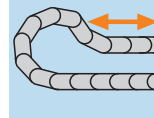
Part No. e-chains®	Part No. e-tubes	Bi [mm]	Ba [mm]	4040HD [kg/m]	8840HD [kg/m]	
4040HD.	–	05. R.0	50	104	≈ 5,03	–
4040HD.	–	06. R.0	65	119	≈ 5,12	–
4040HD.	8840HD.	07. R.0 ¹⁾	75	129	≈ 5,19	≈ 5,64
4040HD.	–	08. R.0	87	141	≈ 5,27	–
4040HD.	8840HD.	10. R.0	100	154	≈ 5,36	≈ 5,93
4040HD.	–	11. R.0	112	166	≈ 5,48	–
4040HD.	8840HD.	12. R.0	125	179	≈ 5,56	≈ 6,29
4040HD.	–	13. R.0	137	191	≈ 5,69	–
4040HD.	8840HD.	15. R.0	150	204	≈ 5,73	≈ 6,67
4040HD.	–	16. R.0	162	216	≈ 5,84	–
4040HD.	8840HD.	17. R.0	175	229	≈ 5,97	≈ 6,98
4040HD.	–	18. R.0	187	241	≈ 6,09	–
4040HD.	8840HD.	20. R.0	200	254	≈ 6,14	≈ 7,29
4040HD.	–	21. R.0	212	266	≈ 6,21	–
4040HD.	–	22. R.0	225	279	≈ 6,28	–
4040HD.	–	23. R.0	237	291	≈ 6,39	–
4040HD.	8840HD.	25. R.0	250	304	≈ 6,50	≈ 8,02
4040HD.	–	26. R.0	262	316	≈ 6,59	–
4040HD.	8840HD.	27. R.0	275	329	≈ 6,70	≈ 8,38
4040HD.	–	28. R.0	287	341	≈ 6,75	–
4040HD.	8840HD.	30. R.0	300	354	≈ 6,91	≈ 8,68

Part No. e-chains®	Part No. e-tubes	Bi [mm]	Ba [mm]	4040HD [kg/m]	8840HD [kg/m]	
4040HD.	–	31. R.0	312	366	≈ 6,94	–
4040HD.	–	32. R.0	325	379	≈ 7,05	–
4040HD.	–	33. R.0	337	391	≈ 7,17	–
4040HD.	8840HD.	35. R.0	350	404	≈ 7,37	≈ 9,38
4040HD.	–	36. R.0	362	416	≈ 7,28	–
4040HD.	–	37. R.0	375	429	≈ 7,38	–
4040HD.	–	38. R.0	387	441	≈ 7,49	–
4040HD.	8840HD.	40. R.0	400	454	≈ 7,76	≈ 10,38
4040HD.	–	41. R.0	412	466	≈ 7,68	–
4040HD.	–	42. R.0	425	479	≈ 7,98	–
4040HD.	–	43. R.0	437	491	≈ 7,82	–
4040HD.	–	45. R.0	450	504	≈ 8,15	–
4040HD.	8840HD.	46. R.0	462	516	≈ 8,10	≈ 10,85
4040HD.	–	47. R.0	475	529	≈ 8,14	–
4040HD.	–	48. R.0	487	541	≈ 8,39	–
4040HD.	–	50. R.0	500	554	≈ 8,48	–
4040HD.	–	51. R.0	512	566	≈ 8,40	–
4040HD.	–	52. R.0	525	579	≈ 8,57	–
4040HD.	–	53. R.0	537	591	≈ 8,66	–
4040HD.	–	55. R.0	550	604	≈ 9,08	–
4040HD.	–	60. R.0	600	654	≈ 9,31	–

*Radius not available for e-tubes ¹⁾Removable lid only, no hinged option

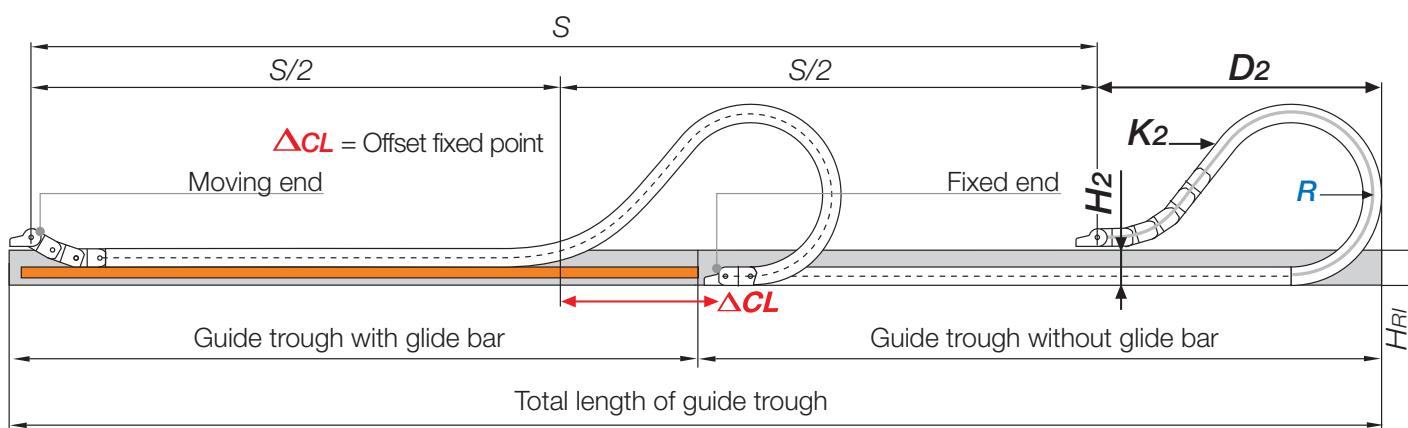
Available bending radii R [mm] 135* | 150 | 200 | 250 | 300 | 350 | 400

Supplement Part No. with required radius (R). Example: 4040HD.30.300.0



Inner height 56 mm
Pitch 91 mm/link
Links/m 11 (1001 mm)
Chain length $S/2 + K_2$

Gliding applications | Long travels up to max. 350 m | Fill weight 16 kg/m



Note: We recommend to realize the engineering of such a plant by our technicians.
 In case of travels <10 m we recommend an unsupported e-chain®.

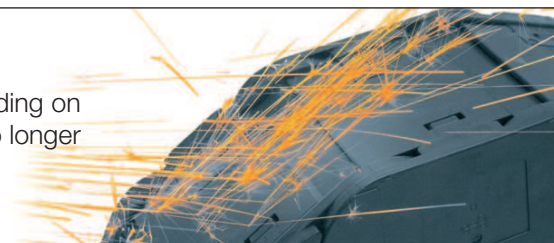
R	135*	150	200	250	300	350	400
H_2	266	266	266	266	266	266	266
D_2	390	450	710	920	1180	1440	1530
K_2	728	819	1274	1638	2002	2366	2548
ΔCL	124	159	359	509	709	909	959

*Radius not available for e-tubes

Hot Chips up to 850°C

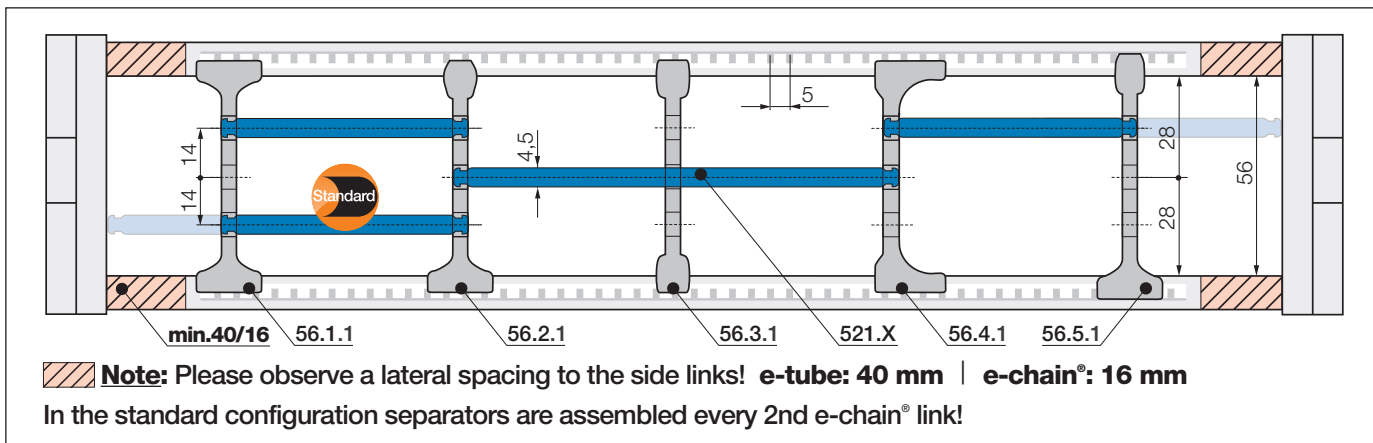

e-tubes that repel hot chips, up to 850°C. Some applications, depending on amount and size of the chips, can burn or melt the surface. That is no longer the case with the igus® igumid HT material.

More information ► www.igus.eu/HT



Interior separation | New generation

Previous interior separation with optional elements ► www.igus.eu/4040HD





Standard separator, wide base

unassembled	56.1
assembled	56.1.1

Standard - for all applications

Separator with wide base for maximum locking strength and safe standing in e-chains®.




Separator for QuickLock crossbar

unassembled	56.2
assembled	56.2.1

For even faster installation

Firm hold to one side with a wide base, narrow on opposed side for easy cable assembly (slight grip).




Separator, narrow base

unassembled	56.3
assembled	56.3.1

For many thin cables

Separator with a narrow base for a large number of thin cables side by side. Saves space in e-chains®.




Notch separator for notch crossbar

unassembled	56.5
assembled	56.5.1

Locks safely onto in 5 mm increments

Notch separator for the notch crossbar, with scaling on the notch crossbars. For exact positioning in e-chains®.



Full-width shelf, lockable

unassembled	520.X
assembled	521.X

Horizontal separation

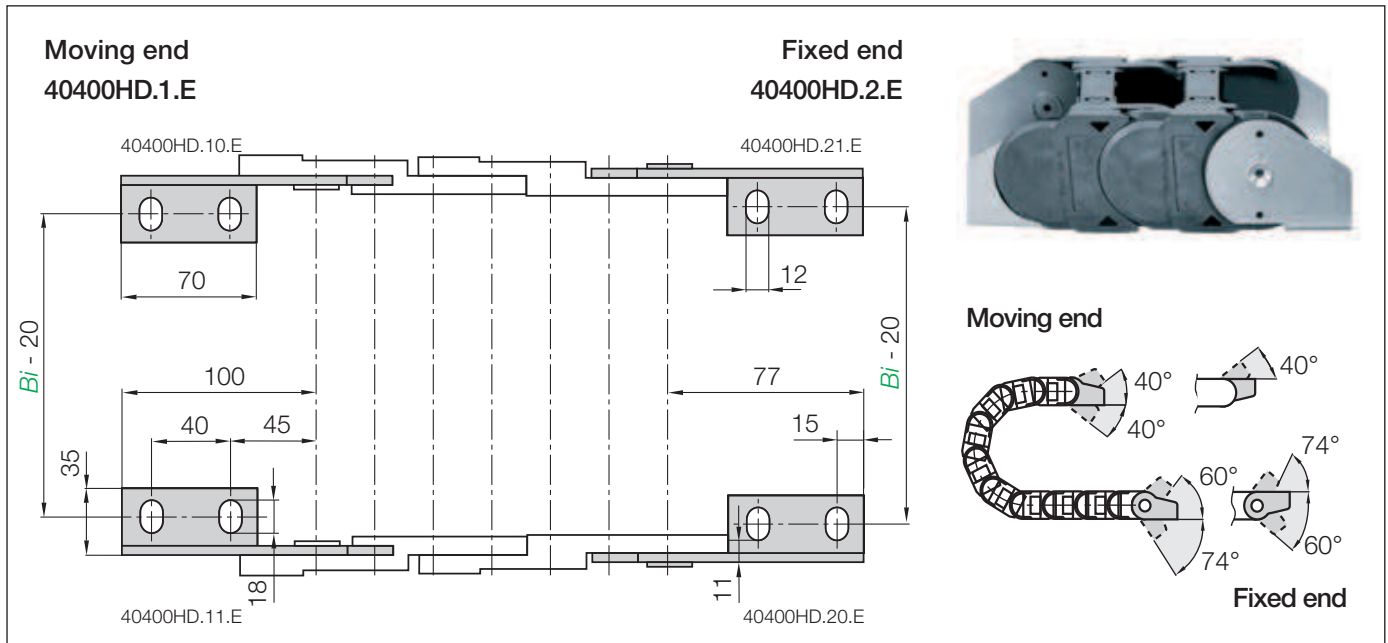
Shelf locks safely into separators on both ends, fixed width possible. Separators can be moved freely over the shelf in horizontal direction. Can be arranged at 3 different heights.

Lockable full-width shelves



Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
050	520.050	521.050	125	520.125	521.125	225	520.225	521.225
065	520.065	521.065	150	520.150	521.150	250	520.250	521.250
075	520.075	521.075	175	520.175	521.175	300	520.300	521.300
100	520.100	521.100	200	520.200	521.200	450	520.450	521.450

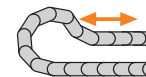
Steel mounting brackets | pivoting



Steel pivoting | Recommended for gliding applications on long travels

Part No.	Mounting bracket pivoting
40400HD.12.E	assembled set of stainless steel mounting brackets
40400HD.1.E	Mounting brackets Moving end
40400HD.2.E	Mounting brackets Fixed end

Note: By ordering steel mounting brackets in combination with an e-chain®, they will be delivered assembled!



- For pivoting connections
- Secure connection
- One part (two-piece) for all e-chain® widths
- Electrically conductive
- Stainless steel version available - please add index **.E**
(Material: stainless steel 1.4301)

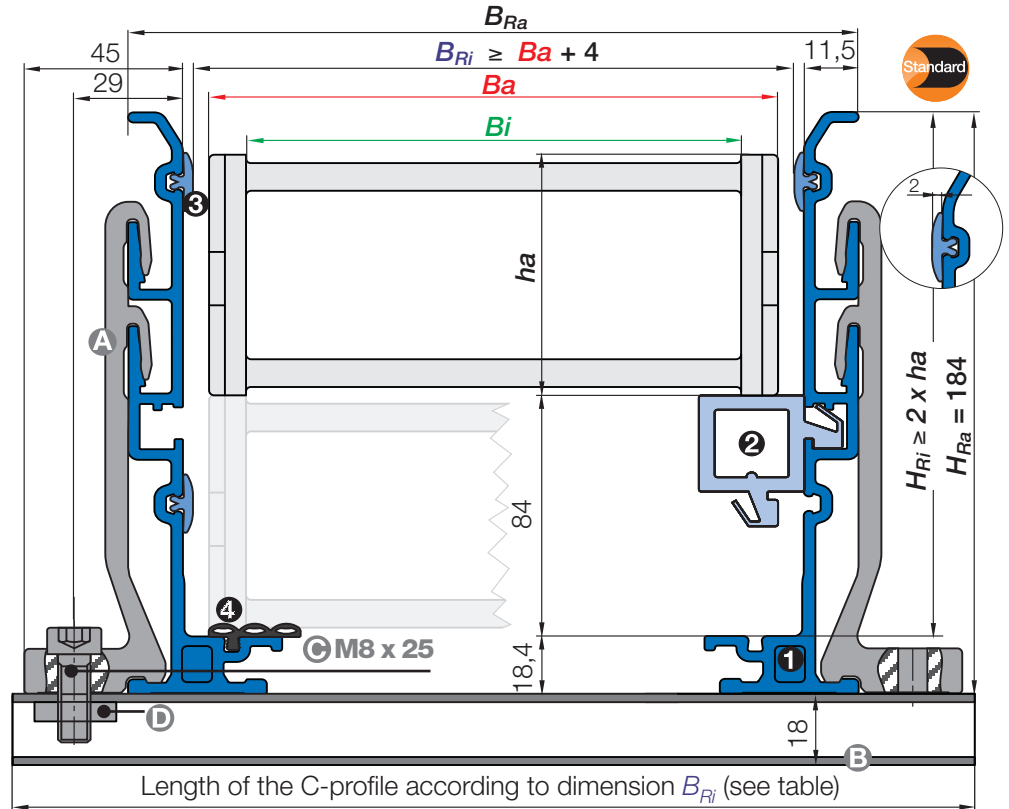
 **Strain relief**, e.g. clamps, tie-wrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ► from page 656

Aluminum SuperTrough | "Heavy-Duty"

Part No. 974.30.SL | 974.31.SL | Trough height: 184 mm

Installation set "Heavy-Duty" with C-Profile

For Width Index	B_{Ri} [mm]	Part No. Installation set
.05	108	974.50.225
.06	123	974.50.250
.07	133	974.50.250
.08	145	974.50.275
.10	158	974.50.275
.11	170	974.50.300
.12	183	974.50.300
.13	195	974.50.325
.15	208	974.50.325
.16	220	974.50.350
.17	233	974.50.350
.18	245	974.50.375
.20	258	974.50.375
.21	270	974.50.400
.22	283	974.50.400
.23	295	974.50.425
.25	308	974.50.425
.26	320	974.50.450
.27	333	974.50.450
.28	345	974.50.475
.30	358	974.50.475
.31	370	974.50.500
.32	383	974.50.500
.33	395	974.50.525
.35	408	974.50.525
.36	420	974.50.550
.37	433	974.50.550
.38	445	974.50.575
.40	458	974.50.575
.41	470	974.50.600
.42	483	974.50.600
.43	495	974.50.625
.45	508	974.50.625
.46	520	974.50.650
.47	533	974.50.650
.48	545	974.50.675
.50	558	974.50.675
.51	570	974.50.700
.52	583	974.50.700
.53	595	974.50.725
.55	608	974.50.725
.60	658	974.50.775



- **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) ④ Optional: Silencer profile, rubber
- **Components, installation set "Basic":** A Bottom clamp, aluminum B C-profile, galvanized steel ► table C Screw M8 x 25 D Sliding nut M8 E Interface connector, plastic



Order example: Length of travel 30 m -

Center mounted for Series 4040HD.30.300.0 with $B_{Ri} = 358$

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

Order text: 16 m guide trough without glide bar (8 x 2 m sections) **Part No. 974.30.SL**

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

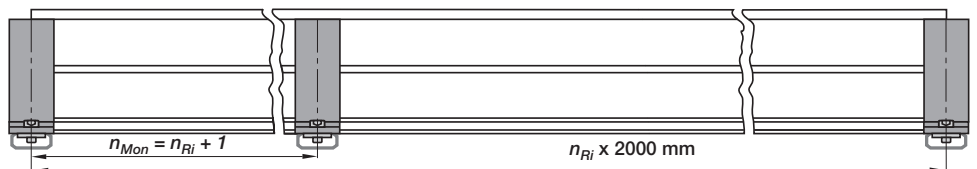
Order text: 16 m guide trough with glide bar (8 x 2 m sections) **Part No. 974.31.SL**

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

Order text: 17 installation sets **Part No. 974.50.475**

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



- Trough set
- Installation set
- Glide bar

- C-Profile

- Ba = Outer width e-chains*
- Bi = Inner width e-chains*

- B_{Ri} = Inner trough width
- B_{Ra} = Outer trough width
- H_{Ri} = Inner trough height

- H_{Ra} = Outer trough height
- n_{Mon} = Number of installation sets
- n_{Ri} = Number of trough sets



igus® E4 e-chains® in a Container-Crane. High loads and high speeds also at difficult weather conditions

P4 - profile-rol e-chain®, 57% less energy consumption

- Safe, low-noise, abrasion-resistant energy supply system on long travels up to 800 m and more
- High additional fill weights up to 30 kg/m
- High speeds up to 10 m/s
- Identical pitch of the e-chain® link with or without roller
- Integrated captive roller in the side part
- autoglide crossbars for a safe guiding

More information ► from page 786

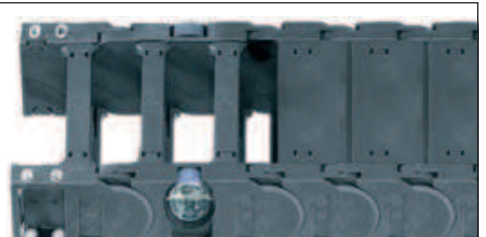


rol e-chain® - Rolling instead of gliding

Special solution for long travels. Reduce push-pull forces over 75% (rolling)

- Travels up to 800 m
- Travel speeds up to 6 m/s
- For long travels and high speeds
- Various roller types for optimum application adaption

More information ► from page 806



autoglide - Self-guiding e-chainsystems®

autoglide: self-guiding e-chains®, without the need of guide troughs

- 4 versions available
- Travels up to 80 m and travel speeds up to 2,5 m/s
- Cost-effective solution
- Very quick installation times for long travels
- Small installation width, quiet operation.

More information ► from page 830

