

e-chains® | E4.64L | Crossbars every link (openable along inner and outer radius, from both sides)

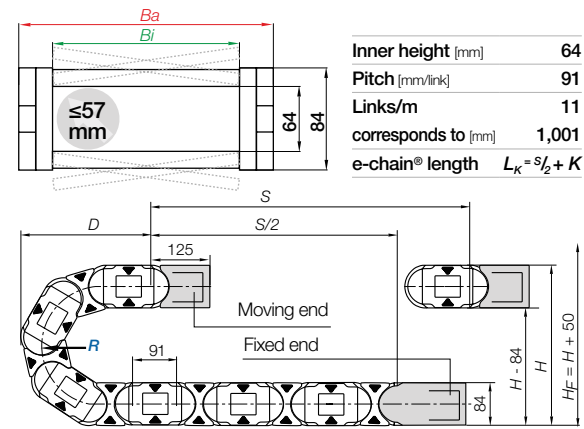
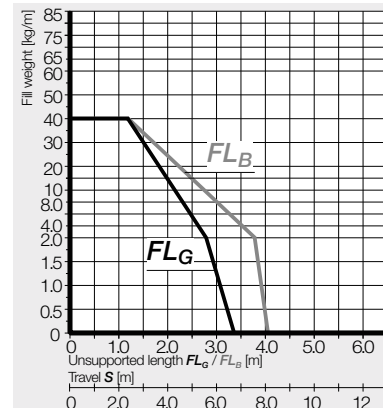
Part No. e-chains®	Bi [mm]	Ba [mm]	E4.64L [kg/m]	Part No. e-chains®	Bi [mm]	Ba [mm]	E4.64L [kg/m]
E4.64L.050.R.0**	050	076	-	E4.64L.237.R.0**	237	263	-
E4.64L.062.R.0**	062	088	-	E4.64L.250.R.0**	250	276	-
E4.64L.075.R.0**	075	101	-	E4.64L.262.R.0**	262	288	-
E4.64L.087.R.0	087	113	≈ 2.49	E4.64L.275.R.0**	275	301	-
E4.64L.100.R.0	100	126	≈ 2.57	E4.64L.287.R.0**	287	313	-
E4.64L.112.R.0**	112	138	-	E4.64L.300.R.0**	300	326	-
E4.64L.125.R.0**	125	151	-	E4.64L.312.R.0**	312	338	-
E4.64L.137.R.0**	137	163	-	E4.64L.325.R.0**	325	351	-
E4.64L.150.R.0	150	176	≈ 2.72	E4.64L.337.R.0**	337	363	-
E4.64L.162.R.0**	162	188	-	E4.64L.350.R.0**	350	376	-
E4.64L.175.R.0	175	201	≈ 2.87	E4.64L.362.R.0**	362	388	-
E4.64L.187.R.0**	187	213	-	E4.64L.375.R.0**	375	401	-
E4.64L.200.R.0	200	226	≈ 2.97	E4.64L.387.R.0**	387	413	-
E4.64L.212.R.0**	212	238	-	E4.64L.400.R.0**	400	426	-
E4.64L.225.R.0**	225	251	-				

**Width available upon request. Please consult igus® for delivery time.

Available bend radii

R [mm] | 100 | 125 | 150 | 175 | 200 | 250 | 300 | 350 | 400 |

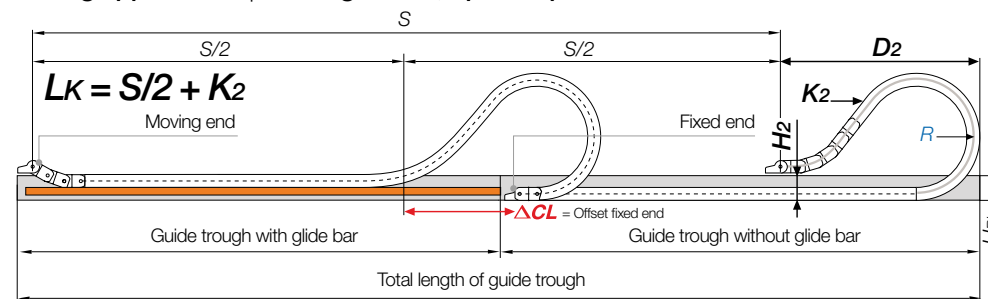
Complete Part No. with required radius (R). Example: E4.64L.150.150.0 = crossbars every link



	100	125	150	175	200	250	300	350	400
R	100	125	150	175	200	250	300	350	400
H	284	334	384	434	484	584	684	784	884
D	279	304	329	354	379	429	479	529	579
K	500	575	655	735	815	970	1,125	1,285	1,440

The required clearance height: $H_F = H + 50\text{mm}$ (with 2.0kg/m fill weight)

Gliding applications | For long travels, upon request

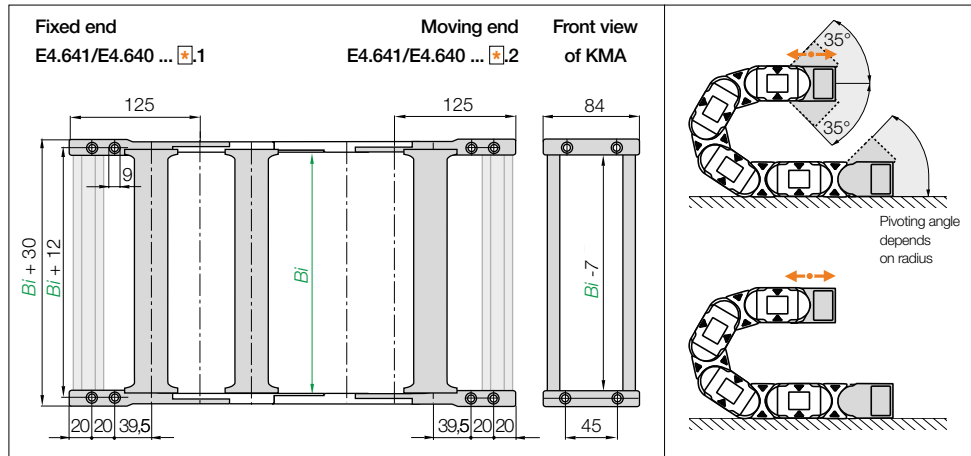


Note: We recommend the project planning of such a system to be carried out by igus®.

In case of travels between 5 and 10m we recommend an e-chain® with a longer unsupported length.

	100	125	150	175	200	250	300	350	400
H ₂	-	180	180	180	180	180	-	-	-
D ₂	-	505	580	705	830	1,080	-	-	-
K ₂	-	819	910	1,183	1,365	1,729	-	-	-
ΔCL	-	**	**	**	**	**	-	-	-

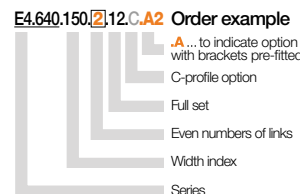
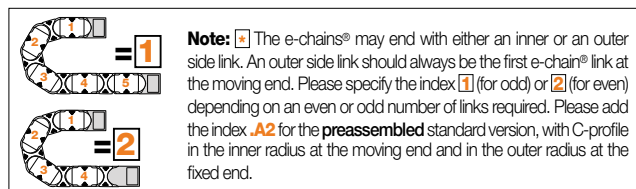
**Values upon request



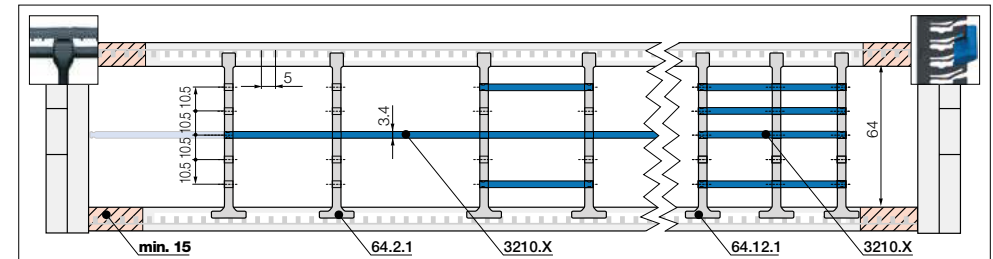
KMA pivoting | Recommended for unsupported and gliding applications
KMA locking | Recommended for vertical hanging and standing applications

Width index	Part No. full set KMA pivoting	Part No. full set KMA locking	Bi [mm]	Width index	Part No. full set KMA pivoting	Part No. full set KMA locking	Bi [mm]
05.	E4.640.05	E4.641.05	050	23.	E4.640.23	E4.641.23	237
06.	E4.640.06	E4.641.06	062	25.	E4.640.25	E4.641.25	250
07.	E4.640.07	E4.641.07	075	26.	E4.640.26	E4.641.26	262
08.	E4.640.08	E4.641.08	087	27.	E4.640.27	E4.641.27	275
10.	E4.640.10	E4.641.10	100	28.	E4.640.28	E4.641.28	287
11.	E4.640.11	E4.641.11	112	30.	E4.640.30	E4.641.30	300
12.	E4.640.12	E4.641.12	125	31.	E4.640.31	E4.641.31	312
13.	E4.640.13	E4.641.13	137	32.	E4.640.32	E4.641.32	325
15.	E4.640.15	E4.641.15	150	33.	E4.640.33	E4.641.33	337
16.	E4.640.16	E4.641.16	162	35.	E4.640.35	E4.641.35	350
17.	E4.640.17	E4.641.17	175	36.	E4.640.36	E4.641.36	362
18.	E4.640.18	E4.641.18	187	37.	E4.640.37	E4.641.37	375
20.	E4.640.20	E4.641.20	200	38.	E4.640.38	E4.641.38	387
21.	E4.640.21	E4.641.21	212	40.	E4.640.40	E4.641.40	400
22.	E4.640.22	E4.641.22	225				

(KMA = polymer metal mounting bracket) For the C-profile option please add index **.C** *Width available upon request. Please consult igus® for delivery time.



Strain relief e.g. clamps, tiwrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with ordering options ▶ From page 1300



Note: Please be aware of the minimum lateral gap to the side links! **e-chain®: 15mm**
 As standard separators are fitted every 2nd e-chain® link!

Separator, narrow top	
unassembled	64.2
assembled	64.2.1

For even faster installation
 Wide on one side for high holding force, narrow on opposite side for easy cable fitting.

Shelf, lockable	
unassembled	3200.X
assembled	3210.X

Horizontal separation
 Full-width shelf locks securely into separators at both ends, giving a fixed width. Can be used as full-width or partial shelf.

Shelves Width = X [mm]	X [mm] unassembled		X [mm] assembled		X [mm] unassembled		X [mm] assembled	
	unassembled	assembled	unassembled	assembled	unassembled	assembled	unassembled	assembled
050	3200.050	3210.050	125	3200.125	3210.125	225	3200.225	3210.225
075	3200.075	3210.075	150	3200.150	3210.150	250	3200.250	3210.250
100	3200.100	3210.100	175	3200.175	3210.175			
115	3200.115	3210.115	200	3200.200	3210.200			

Interior separation | To allow faster filling **New**

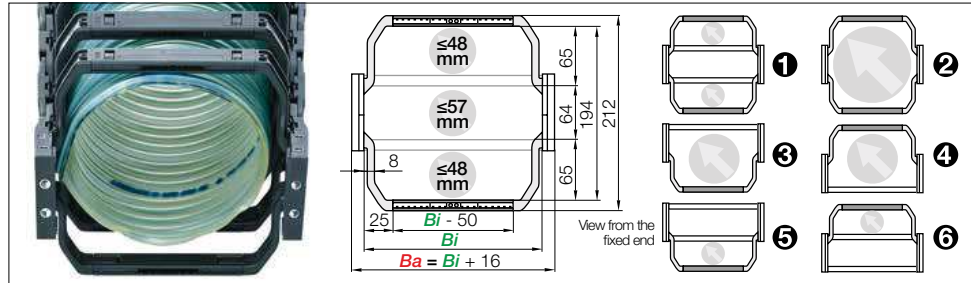
Lean separator	
unassembled	64.12
assembled	64.12.1

Lean separators
 New design allows extremely fast fitting of shelves in several layers, which significantly reduces assembly time. Enables extremely fast replacement of individual cables in a very full e-chain®.

Lean separator design - several layers of cables fitted quickly, save up to 50%* assembly time
 (*Lean separator vs. standard separator - measured on a 4m long e-chain® fitted with 12 cables in the igus® harnessing factory)



e-chain® with openable extender crossbars



Extender crossbars with flexible width | Safe guiding for large hoses

- For guiding and protecting large hoses
- With mounting for noise dampers
- Cable-friendly design, high crossbar holding force
- The openable extender crossbars can be fitted in different ways and combinations
- Optionally openable along the inner or outer radius

Versions e-chain® with extender crossbar	Hose Ø ≤ [mm]	Part No. e-chain® with extender crossbar
① Extender crossbar and standard crossbar alternating along the inner and outer radius ¹⁾	48	E4.64L.XXXHB65.R.0
② Extender crossbar on both sides along the inner and outer radius ²⁾	170	E4.64L.XXXB65.R.0
③ Extender crossbar along the outer radius ³⁾	115	E4.64L.XXXBE65.R.0
④ Extender crossbar along the inner radius ²⁾	115	E4.64L.XXXBZ65.R.0
⑤ Extender crossbar and standard crossbar alternating along the outer radius ³⁾	48	E4.64L.XXXHBE65.R.0
⑥ Extender crossbar and standard crossbar alternating along inner radius ¹⁾	48	E4.64L.XXXHBZ65.R.0

¹⁾ Minimum bend radius: *R* 125 ²⁾ Minimum bend radius: *R* 150 ³⁾ Minimum bend radius: *R* 100 *Width available upon request. Delivery time upon request

Bi [mm] Available inner widths

| 100 | 112 | 125 | 137 | 150 | 162 | 175 | 187 | 200 | 212 | 225 | 237 | 250 | 262 | 275 | 287 | 300 | 312 | 325 | 337 | 350 |

Complete Part No. with the width index **XXX *Bi*** and the radius (*R*). Example:

E4.64L.087B65.150.0 = extender crossbar on both sides along inner and outer radius



The E4.1L can be fitted with openable extender crossbars, which increase the size of the interior of the e-chain®. Crossbars can be fitted in various ways: from one or both sides, alternating with standard crossbars and or any combination

Steel support tray for support of the lower run

- Simple one-piece support trays for the lower run
 - To your requirements and specification
 - 4 options available
- More information ► From page 1264



The R4.1L e-tubes are used to guide motor, encoder and sensor cables to supply the moving part of this bending machine