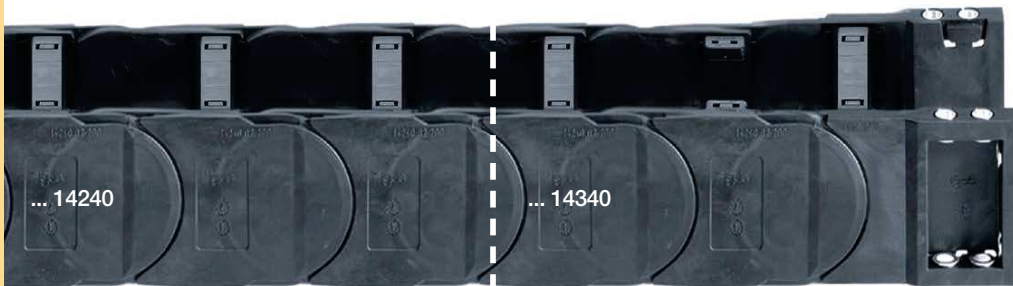


Strong due to undercut design, large inner height



e-chains® Series 14240 Crossbars every link (crossbars removable along the inner and outer radius)
e-chains® Series 14340 Crossbars every 2nd link (crossbars removable along the inner and outer radius)

Part No.	Bi	Ba	14240	14340	Part No.	Bi	Ba	14240	14340
e-chains®	[mm]	[mm]	[kg/m]	[kg/m]	e-chains®	[mm]	[mm]	[kg/m]	[kg/m]
14240▲14340. 05. R.0	50	76	≈ 2.37	≈ 2.32	14240. 14340. 212.R.0	212	239	≈ 2.95	≈ 2.60
14240v 14340. 06. R.0	68	94	≈ 2.40	≈ 2.33	14240. 14340. 23. R.0	225	251	≈ 3.01	≈ 2.63
14240. 14340. 07. R.0	75	101	≈ 2.42	≈ 2.34	14240. 14340. 237.R.0	237	264	≈ 3.04	≈ 2.65
14240. 14340. 087.R.0	87	114	≈ 2.47	≈ 2.36	14240. 14340. 25. R.0	250	276	≈ 3.10	≈ 2.68
14240. 14340. 097.R.0	97	123	≈ 2.51	≈ 2.38	14240. 14340. 262.R.0	262	289	≈ 3.11	≈ 2.69
14240▲14340. 10. R.0	100	126	≈ 2.52	≈ 2.39	14240. 14340. 28. R.0	275	301	≈ 3.19	≈ 2.72
14240. 14340. 11. R.0	108	134	≈ 2.55	≈ 2.40	14240. 14340. 29. R.0	287	314	≈ 3.20	≈ 2.73
14240. 14340. 112.R.0	112	139	≈ 2.55	≈ 2.41	14240. 14340. 30. R.0	300	326	≈ 3.30	≈ 2.78
14240. 14340. 12. R.0	125	151	≈ 2.62	≈ 2.44	14240. 14340. 312.R.0	312	339	≈ 3.31	≈ 2.79
14240. 14340. 137.R.0	137	164	≈ 2.66	≈ 2.46	14240. 14340. 325.R.0	325	351	≈ 3.37	≈ 2.81
14240▲14340. 15. R.0	150	176	≈ 2.72	≈ 2.49	14240. 14340. 337.R.0	337	364	≈ 3.40	≈ 2.83
14240. 14340. 162.R.0	162	189	≈ 2.73	≈ 2.49	14240. 14340. 350.R.0	350	376	≈ 3.56	≈ 2.91
14240. 14340. 17. R.0	168	194	≈ 2.79	≈ 2.52	14240. 14340. 362.R.0	362	389	≈ 3.61	≈ 2.93
14240▲14340. 18. R.0	175	201	≈ 2.82	≈ 2.53	14240. 14340. 375.R.0	375	401	≈ 3.64	≈ 2.95
14240. 14340. 187.R.0	187	214	≈ 2.84	≈ 2.55	14240. 14340. 387.R.0	387	414	≈ 3.69	≈ 2.97
14240▲14340. 20. R.0	200	226	≈ 2.89	≈ 2.58	14240. 14340. 400.R.0	400	426	≈ 3.73	≈ 2.99

▲ ESD version (Electro Static Discharge) available from stock. More information ▶ From page 142

Available bend radii

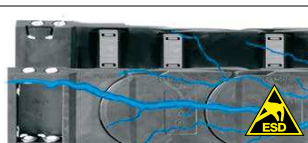
R [mm] | 135 | 150 | 175 | 200 | 250 | 300 | 400 | 500 |

Complete Part No. with required radius (R). Example:

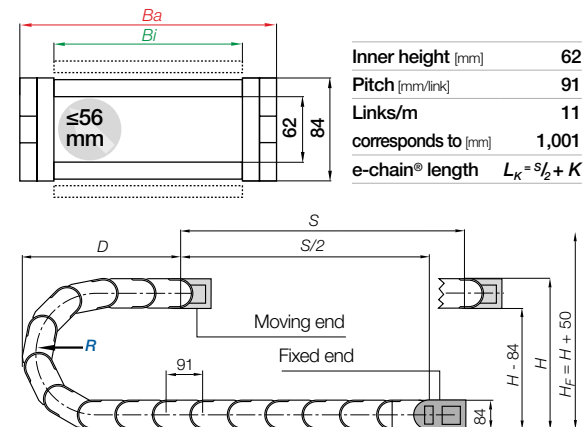
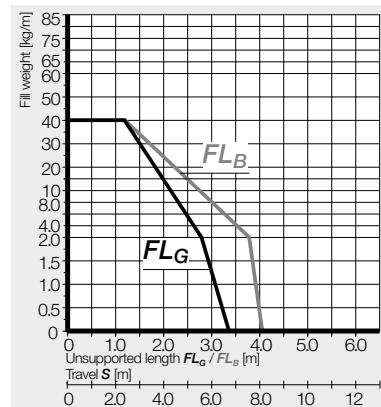
14240.20.300.0 = crossbars every link / 14340.20.300.0 = crossbars every 2nd link

ESD - many sizes from stock

- Standardised product made from igumid ESD
 - ESD material tested for over 10 million cycles for the toughest requirements
 - Short delivery times including mounting brackets and interior separation; 24hrs, from stock
- More information and the complete product range ▶ From page 142



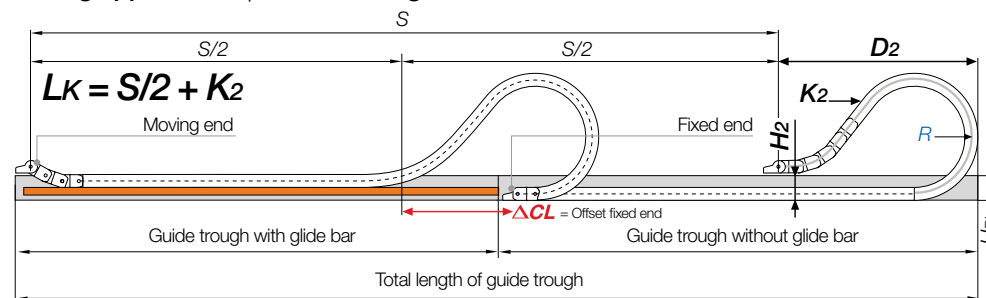
Unsupported applications | Short travels



R	135	150	175	200	250	300	400	500
H _{±25} ⁰	354	384	434	484	584	684	884	1,084
D	314	329	354	379	429	479	579	679
K	610	655	735	815	970	1,125	1,440	1,755

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

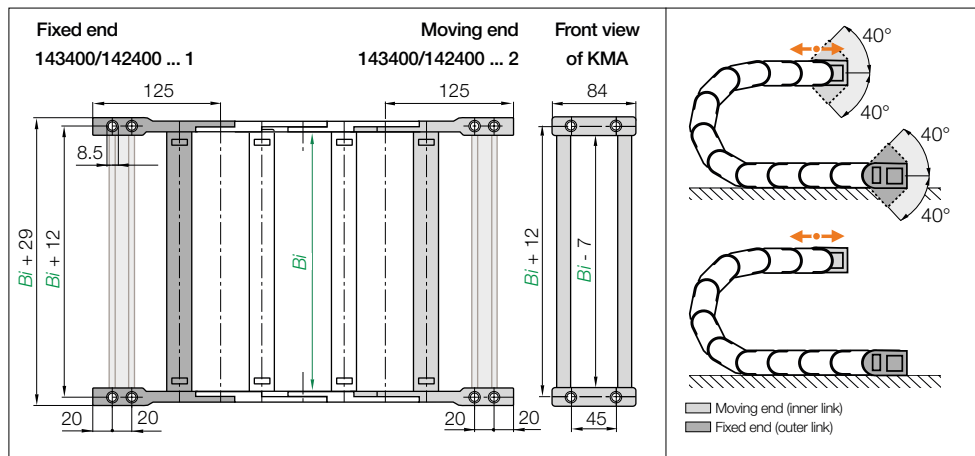
Gliding applications | For travel lengths from 12m to max. 250m



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

In case of travels between 9 and 12m we recommend an e-chain® with a longer unsupported length.

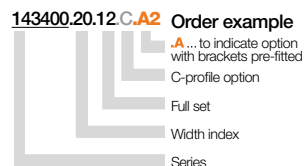
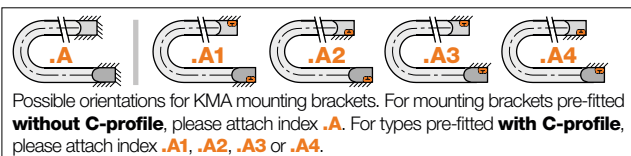
R	135	150	175	200	250	300	400	500
H ₂	266	266	266	266	266	266	266	266
D ₂ ⁺²⁵	390	450	550	710	920	1,120	1,530	1,850
K ₂	728	819	1,001	1,274	1,638	1,911	2,548	3,185
ΔCL	124	159	209	359	509	659	959	1,159



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

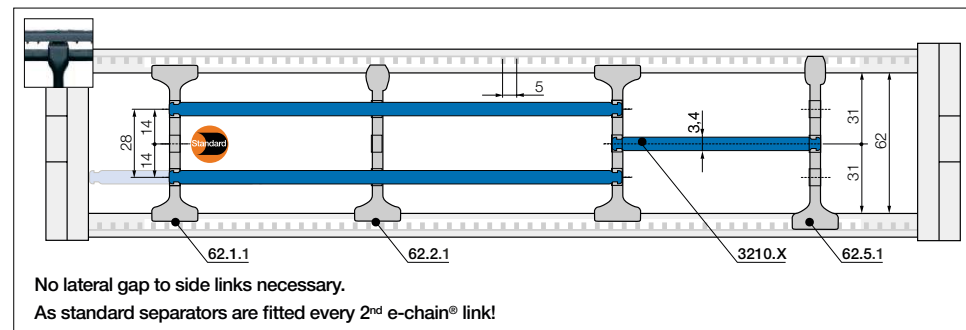
Width index	Part No. full set KMA pivoting	Part No. full set KMA locking	Bi [mm]	Width index	Part No. full set KMA pivoting	Part No. full set KMA locking	Bi [mm]
05.	▶ 143400.05.12.C	▶ 142400.05.12.C	50	212.	▶ 143400.212.12.C	▶ 142400.212.12.C	212
06.	▶ 143400.06.12.C	▶ 142400.06.12.C	68	23.	▶ 143400.23.12.C	▶ 142400.23.12.C	225
07.	▶ 143400.07.12.C	▶ 142400.07.12.C	75	237.	▶ 143400.237.12.C	▶ 142400.237.12.C	237
087.	▶ 143400.087.12.C	▶ 142400.087.12.C	87	25.	▶ 143400.25.12.C	▶ 142400.25.12.C	250
097.	▶ 143400.097.12.C	▶ 142400.097.12.C	97	262.	▶ 143400.262.12.C	▶ 142400.262.12.C	262
10.	▶ 143400.10.12.C	▶ 142400.10.12.C	100	28.	▶ 143400.28.12.C	▶ 142400.28.12.C	275
11.	▶ 143400.11.12.C	▶ 142400.11.12.C	108	29.	▶ 143400.29.12.C	▶ 142400.29.12.C	287
112.	▶ 143400.112.12.C	▶ 142400.112.12.C	112	30.	▶ 143400.30.12.C	▶ 142400.30.12.C	300
12.	▶ 143400.12.12.C	▶ 142400.12.12.C	125	312.	▶ 143400.312.12.C	▶ 142400.312.12.C	312
137.	▶ 143400.137.12.C	▶ 142400.137.12.C	137	325.	▶ 143400.325.12.C	▶ 142400.325.12.C	325
15.	▶ 143400.15.12.C	▶ 142400.15.12.C	150	337.	▶ 143400.337.12.C	▶ 142400.337.12.C	337
162.	▶ 143400.162.12.C	▶ 142400.162.12.C	162	350.	▶ 143400.350.12.C	▶ 142400.350.12.C	350
17.	▶ 143400.17.12.C	▶ 142400.17.12.C	168	362.	▶ 143400.362.12.C	▶ 142400.362.12.C	362
18.	▶ 143400.18.12.C	▶ 142400.18.12.C	175	375.	▶ 143400.375.12.C	▶ 142400.375.12.C	375
187.	▶ 143400.187.12.C	▶ 142400.187.12.C	187	387.	▶ 143400.387.12.C	▶ 142400.387.12.C	387
20.	▶ 143400.20.12.C	▶ 142400.20.12.C	200	400.	▶ 143400.400.12.C	▶ 142400.400.12.C	400

(KMA = polymer metal mounting bracket) For the C-profile option please add index C



Strain relief e.g. clamps, tie-wrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1392

Previous generation of interior separation with other options ▶ www.igus.co.uk/14240



Standard separator, wide base

unassembled	62.1
assembled	62.1.1

Standard - for any application
 Separator with a wide base for maximum holding force.

Separator, narrow top

unassembled	62.2
assembled	62.2.1

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

Notch separator for notched crossbar

unassembled	62.5
assembled	62.5.1

Locks securely in preset increments
 Notch separator for exact positioning. Recommended for side-mounted applications.

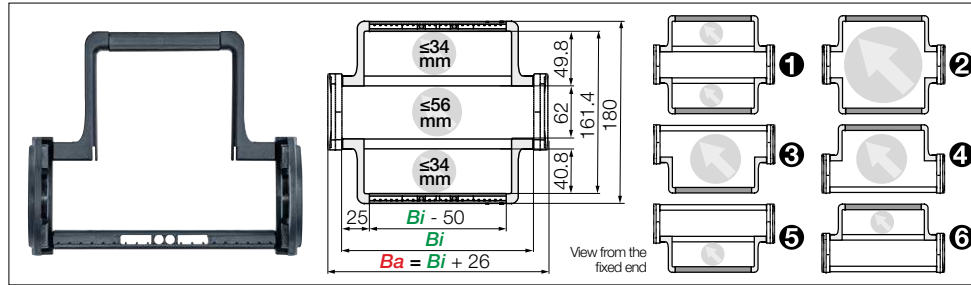
Shelf, lockable

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	
	050	3200.050	3210.050	125	3200.125	3210.125	225	3200.225
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			

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	Hose Ø ≤ [mm]	Part No. crossbars every link	Part No. crossbars every 2 nd link
e-chain® with extender crossbar			
① Extender crossbar and standard crossbar alternating along the inner and outer radius ¹⁾	34	14240.XXXHB50.R.0	–
② Extender crossbar on both sides along the inner and outer radius ²⁾	140	14240.XXXB50.R.0	14340.XXXB50.R.0 ²⁾
③ Extender crossbar along the outer radius ³⁾	100	14240.XXXBE50.R.0	14340.XXXBE50.R.0 ²⁾
④ Extender crossbar along the inner radius ²⁾	100	14240.XXXBZ50.R.0	14340.XXXBZ50.R.0 ²⁾
⑤ Extender crossbar and standard crossbar alternating along the outer radius ³⁾	34	14240.XXXHBZ50.R.0	–
⑥ Extender crossbar and standard crossbar alternating along inner radius ¹⁾	34	14240.XXXHBZ50.R.0	–

1) Minimum bend radius: **R 135** 2) Minimum bend radius: **R 150** 3) Minimum bend radius: **R 135**

Bi [mm] Available inner widths

| 100 | 125 | 137 | 150 | 162 | 175 | 187 | 200 | 212 | 225 | 237 | 250 |

| 262 | 275 | 287 | 300 | 312 | 325 | 337 | 350 | 362 | 375 | 387 | 400 |

Part number with the width index **XXX** of the **Bi** and the radius (**R**) e.g.

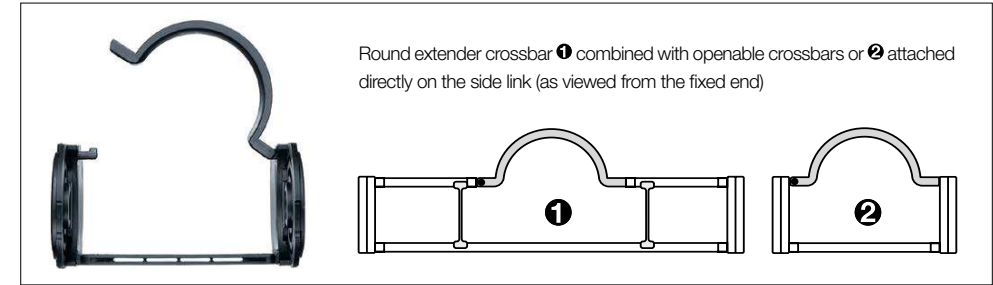
14240.10B50.150.0 = **Bi 100** / e-chain® with crossbars every link /

Extender crossbars on both sides along the inner and outer radius / Bend radius (**R**) 150



The E4/light 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

Extender crossbar with fixed width



Extender crossbars with fixed width | Safe guiding for large hoses

- Suitable for hoses with a maximum outer diameter of 115mm.
- Option ① extender crossbars with fixed width to combine with openable crossbars
- Option ② extender crossbars with fixed width attached directly on the side link
- Optionally openable along the inner "Z" or the outer radius "E"
- Gliding with crossbars assembled along the outer radius and a special guide trough

Part No. extender crossbar with fixed width, as individual parts	Hose Ø ≤ [mm]	Extender crossbar shape	② Fitted to side link	① Combine with openable crossbars
385.15RHD115	115	○ round	No	Yes
385.18RD115	115	○ round	Yes	No

Order example: ① combined with openable crossbars

To receive extender crossbar RHD115 pre-fitted along the outer radius of the-chain®, please add index **E**: 14240.10/15RHD**E**115/10.**R.0**

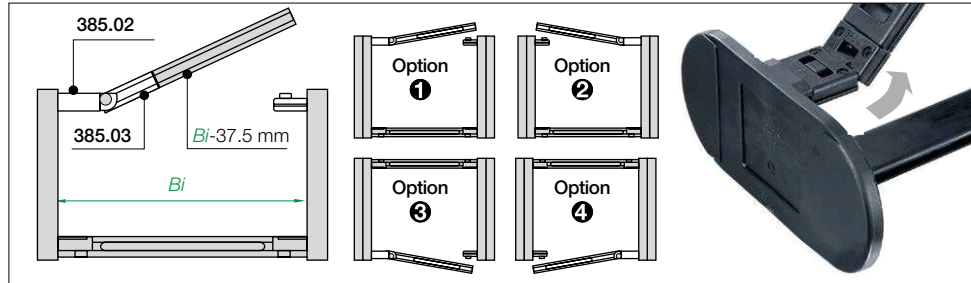
To receive extender crossbar RHD115 pre-fitted along the inner radius of the-chain®, please add index **Z**: 14240.10/15RHD**Z**115/10.**R.0**

Order example: ② fitted to side link

To receive extender crossbar RD115 pre-fitted along the outer radius of the-chain®, please add index **E**: 14240.18RD**E**115.**R.0**

To receive extender crossbar RD115 pre-fitted along the inner radius of the-chain®, please add index **Z**: 14240.18RD**Z**115.**R.0**

Hinged crossbar | Swivel clips



Hinged crossbars | Swivel clip | Openable crossbar remains attached to the e-chain®

- When opening crossbars must remain attached to the e-chain®
- Hinged crossbars consist of a swivel clip and a shortened crossbar
- Openable crossbar (shortened): $Bi-37.5$ mm (smallest inner width $Bi = 87.5$)
- Please consult igus® for assistance with this product

Part No.	Part No.	Part No. openable
e-chain® with hinged crossbar	swivel clip as an individual part	crossbar as an individual part
14240. Bi . Z . R .0	385.02	385.03

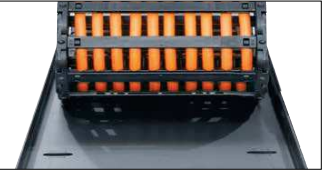
Complete Part No. with the width index Bi , the index Z for the required option and the radius (R). Example: 14240.137.1.200.0



E4/light e-tubes protect cables and hoses against dirt and swarf

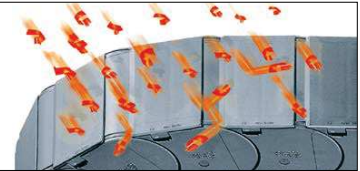
Steel support tray for support of the lower run

- Simple one-piece support trays for the lower run
 - To your requirements and specification
 - 4 options available
- More information ► From page 1356



Hot swarf up to +850°C for e-tubes

- Lids and shelves, on which +850°C hot swarf bounces off, as special production with the igus® material igumid HT
 - No hot swarf melting or embedding into the chain
- More information ► www.igus.co.uk/HT



Reduce assembly time - E4 e-chain® opener

- e-chain® opener tools for easy opening and closing of e-chains®
 - Simple opening and closing of e-chain® crossbars
 - Also for use in hard to reach locations
 - Significant assembly time reduction
- More information ► www.igus.co.uk/E4savetime



Roller crossbars - increase the service life of cables and hoses

- Significantly reduce jacket abrasion of very stiff cables and hoses with rolling contact surfaces equipped with tribo-optimised bearings
 - For sensitive hoses in restricted space
 - Usable along the inner and/or outer radius, retrofit possible
- More information ► upon request

