

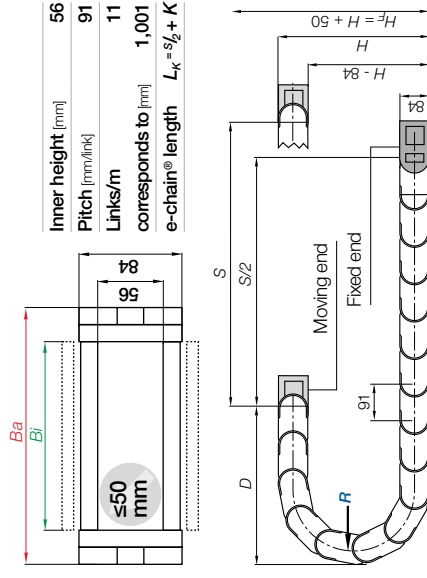
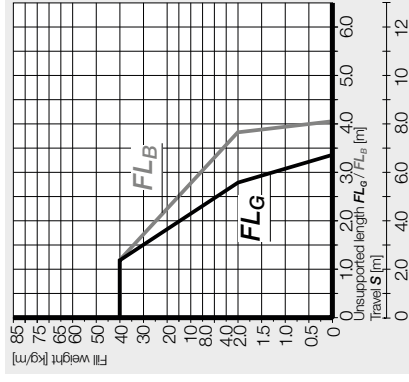


crossbars removable along the inner and outer radius) along the outer radius, from one side)

e-tubes	Bi [mm]	Ba [mm]	14040 [kg/m]	14140 [kg/m]	18840 [kg/m]
10. -	28. R.0	287	314	≈ 4.29	≈ 3.29
10. 18840.	30. R.0	300	326	≈ 4.51	≈ 3.40
10. -	31. R.0	312	339	≈ 4.57	≈ 3.42
10. -	32. R.0	325	351	≈ 4.60	≈ 3.44
10. -	33. R.0	337	364	≈ 4.77	≈ 3.53
10. 18840.	35. R.0	350	376	≈ 4.93	≈ 3.61
10. -	36. R.0	362	389	≈ 4.94	≈ 3.61
10. -	37. R.0	375	401	≈ 4.95	≈ 3.62
10. -	38. R.0	387	414	≈ 5.04	≈ 3.66
10. 18840.	40. R.0	400	426	≈ 5.24	≈ 3.76
10. -	41. R.0	412	439	≈ 5.39	≈ 3.84
10. -	42. R.0	425	451	≈ 5.54	≈ 3.92
10. -	43. R.0	437	464	≈ 5.61	≈ 3.95
10. -	45. R.0	450	476	≈ 5.68	≈ 3.98
10. 18840.	46. R.0	462	489	≈ 5.70	≈ 3.99
10. -	47. R.0	475	501	≈ 5.83	≈ 4.06
10. -	48. R.0	487	514	≈ 5.96	≈ 4.08
10. -	50. R.0	500	526	≈ 5.96	≈ 4.13
10. -	51. R.0	512	539	≈ 5.98	≈ 4.14
10. -	52. R.0	525	551	≈ 6.03	≈ 4.16
10. -	53. R.0	537	564	≈ 6.18	≈ 4.24
10. -	55. R.0	550	576	≈ 6.67	≈ 4.48
10. -	60. R.0	600	626	≈ 6.88	≈ 4.58

γ 2nd link / 18840.30.300.0 = fully enclosed

14140 ► www.igus.co.uk/R18840 igus

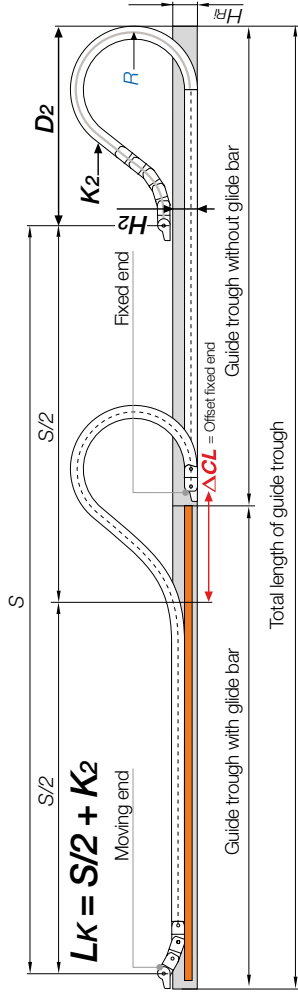


R	135*	150	175	200	250	300	400	500
H ₂₅	354	384	434	484	584	684	884	1,084
D	314	329	354	379	429	479	579	679
K	610	655	735	815	970	1,125	1,440	1,755

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

*Radius not available for e-tubes

Gliding applications | For travel lengths from 12m to max. 150m

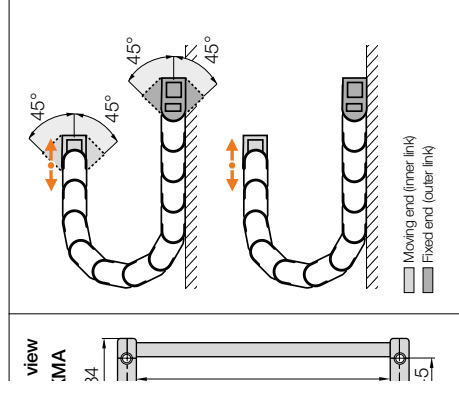


Note: We recommend the project planning of such a system to be carried out by igus®. In case of travels between 8 and 12m we recommend an e-chain® with a longer unsupported length.

R	135*	150	175	200	250	300	400	500
H ₂	266	266	266	266	266	266	266	266
D ₂₋₂₅	390	450	530	710	920	1,120	1,530	1,830
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

*Radius not available for e-tubes

igus 3D CAD, service life calculation, configurators and more ► www.igus.co.uk/E4light 719



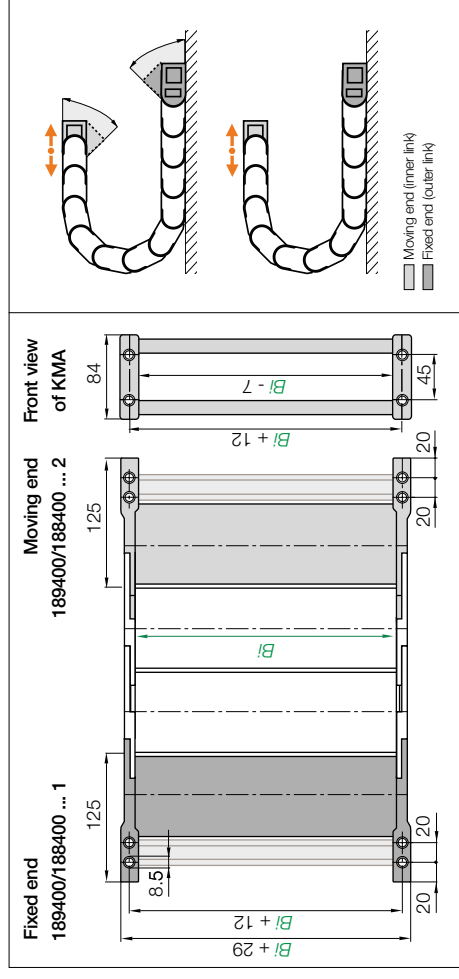
gliding applications and standing applications

art No. full set	Part No. full set	Bi [mm]
MA pivoting	KMA locking	
41400. 28 .12.C	140400. 28 .12.C	287
41400. 30 .12.C	140400. 30 .12.C	300
41400. 31 .12.C	140400. 31 .12.C	312
41400. 32 .12.C	140400. 32 .12.C	325
41400. 33 .12.C	140400. 33 .12.C	337
41400. 35 .12.C	140400. 35 .12.C	350
41400. 36 .12.C	140400. 36 .12.C	362
41400. 37 .12.C	140400. 37 .12.C	375
41400. 38 .12.C	140400. 38 .12.C	387
41400. 40 .12.C	140400. 40 .12.C	400
41400. 41 .12.C	140400. 41 .12.C	412
41400. 42 .12.C	140400. 42 .12.C	425
41400. 43 .12.C	140400. 43 .12.C	437
41400. 45 .12.C	140400. 45 .12.C	450
41400. 46 .12.C	140400. 46 .12.C	462
41400. 47 .12.C	140400. 47 .12.C	475
41400. 48 .12.C	140400. 48 .12.C	487
41400. 50 .12.C	140400. 50 .12.C	500
41400. 51 .12.C	140400. 51 .12.C	512
41400. 52 .12.C	140400. 52 .12.C	525
41400. 53 .12.C	140400. 53 .12.C	537
41400. 55 .12.C	140400. 55 .12.C	550
41400. 60 .12.C	140400. 60 .12.C	600

o.z. LIN-TECH HENNLICH s.r.o.
Českolipská 9, 412 01 Litoměřice

Telefon: +420 416 711 333
E-mail: lin-tech@hennlich.cz

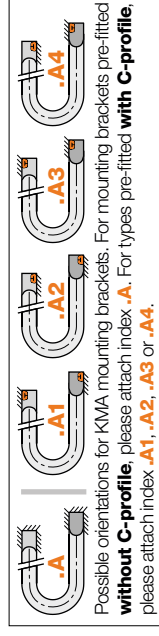
www.hennlich.cz/lin-tech



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

Width index	Part No. full set	Bi [mm]	Width index	Part No. full set	Bi [mm]
	KMA pivoting			KMA locking	
07. ▲	189400. 07 .12.C	75	25. ▲	189400. 25 .12.C	250
10. ▲	189400. 10 .12.C	100	27. ▲	189400. 27 .12.C	275
12. ▲	189400. 12 .12.C	125	30. ▲	189400. 30 .12.C	300
15. ▲	189400. 15 .12.C	150	35. ▲	189400. 35 .12.C	350
17. ▲	189400. 17 .12.C	175	40. ▲	189400. 40 .12.C	400
20. ▲	189400. 20 .12.C	200	46. ▲	189400. 46 .12.C	462

(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

141400.30.12 CA2 Order example

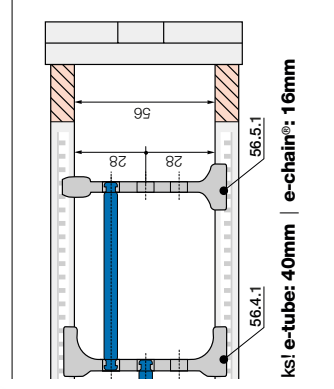


14140 ▶ www.igus.co.uk/R18840



721

www.igus.co.uk/E4light


Standard e-tube: 40mm | e-chain: 16mm
Standard - for any application

or with a wide base for maximum holding force.

For faster installation

one side for high holding force, narrow on opposite side by cable fitting.

For all cables

or with a narrow base for a large number of small side by side. Saves space.

For side-mounted applications

e-tube separator, for defined gap distance. No spacers required.

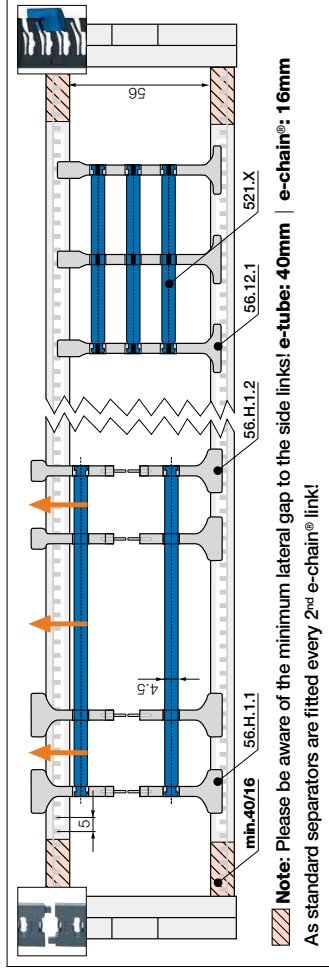
For secure fitting in preset increments

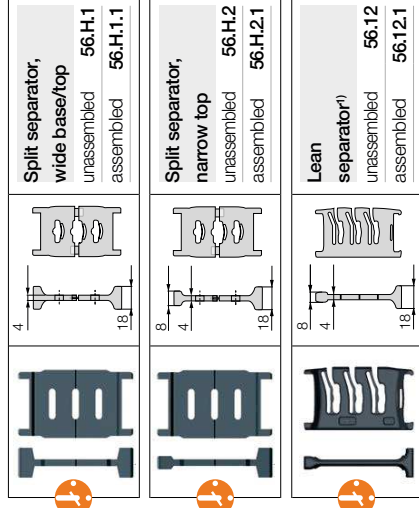
separator for exact positioning. Needed for side-mounted applications.

For interior separation

e-tube locks securely into separators at both ends, fixed width. Can be used as full-width or partial shelf.

assembled	X (mm)	unassembled	assembled
521.150	300	520.300	521.300
521.175	350	520.350	521.350
521.200	375	520.375	521.375
521.225	387	520.387	521.387
521.250	450	520.450	521.450

 14140 ▶ www.igus.co.uk/R18840

Note: Please be aware of the minimum lateral gap to the side links! e-tube: 40mm | e-chain: 16mm

 As standard separators are fitted every 2nd e-chain® link!

Split separators

In order to fill e-chains® more easily and effectively, these separators can be split in the middle. This allows easier access to middle shelf partitions. Fast assembly and easy retrofit. 2 types available: with wide or narrow top.

Lean separators¹⁾

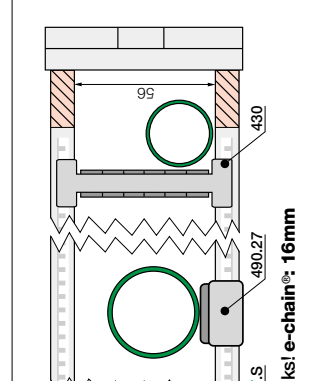
For quick fitting of shelves in several layers.

1) Note: Please combine maximum 4 lean separators with one shelf. Not suitable for side-mounted e-chains®!

 With the lean separator you can quickly insert several layers of cables into the e-chain® and reduce the installation time by up to 50%²⁾.

2) Lean interior separation vs. Standard separator - measured on a 4m long e-chain® fitted with 12 cables in the igus® readychain® factory





locking separator* for increased holding

locking separators offer higher crossbar opening for high humidity and/or large hydraulic hoses. They are positioned precisely and then locked in position.

height separator*

in combination with an additional opening crossbar, **part no. S**, it provides the option to separate the upper and lower e-chains independently of each other.

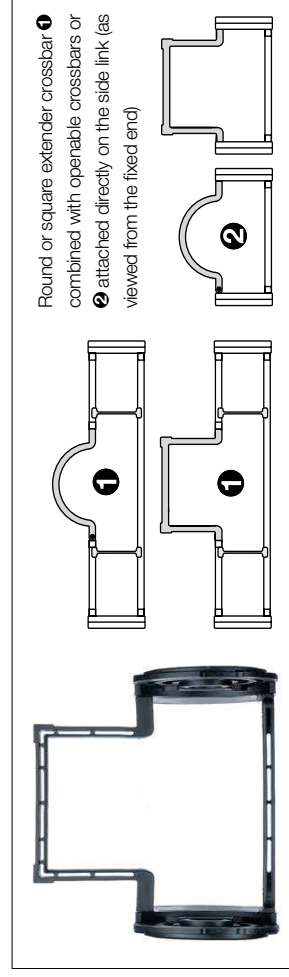
lip*

prevents abrasion of sensitive hoses. Simply clamps onto the opening crossbar. The movable rollers compensate for movement between the e-chain® and hose.

roller separator*

roller separator is used in a similar way to the rollclip. It works like a separator. For rigid cables and hoses. Suitable for e-chains®

14140 ▶ www.igus.co.uk/R18840



Extender crossbars with fixed width | Safe guiding for large hoses

- Suitable for hoses with a maximum outer diameter of 245mm.
- 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"
- Cliding with crossbars assembled along the outer radius and a special guide trough

Part No. extender crossbar with fixed width, as individual parts	Hose Ø s [mm]	Extender crossbar shape	Fitted to side link	Combine with openable crossbars
450.15RHD115	115	O round	No	Yes
450.17RD115	115	O round	Yes	No
450.25D150	150	□ square	Yes	No
450.30D200	180	□ square	Yes	No
450.35D250	195	□ square	Yes	No
450.40D300	245	□ square	Yes	No
450.20HDT150	150	□ square	No	Yes
450.25HD200	180	□ square	No	Yes
450.30HD250	195	□ square	No	Yes

Order example: 1 combined with openable crossbars

To receive extender crossbar RH-D115 pre-fitted along the outer radius of the chain®, please add index **E: 14040.10/15RHDE115/10.R.0**

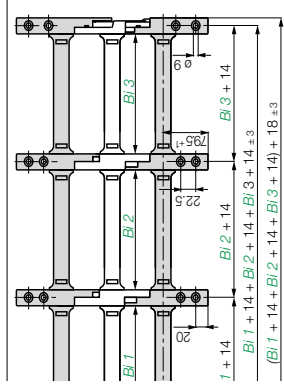
To receive extender crossbar RH-D115 pre-fitted along the inner radius of the chain®, please add index **Z: 14040.10/15RHDI115/10.R.0**

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: 14040.17RDE115.R.0**

To receive extender crossbar RD115 pre-fitted along the inner radius of the chain®, please add index **Z: 14040.17RDI115.R.0**

3D CAD, service life calculation, configurators and more ▶ www.igus.co.uk/E4light



> 3.0m

are required

Part No.
Extension link as an individual part
422.R.

example: 14040.10/20/10.200.0



acceleration of up to 6m/s² and high braking rates

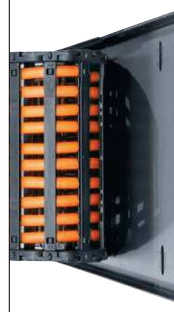
14140 ▶ www.igus.co.uk/R18840



E4 snapclip - clip-on tiwrap

- For side-mounted applications, compatible with many E4 e-chains®
- Serves as a clip-on, lateral guide for hoses and cables on e-chains®
- The loops can be adjusted as required

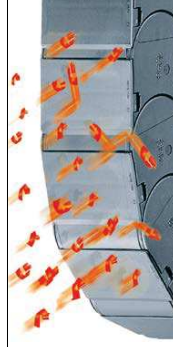
More information ▶ www.igus.co.uk/14040



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 can repel swarf up to +850°C. Special production option 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-chair® 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

3D CAD, service life calculation, configurators and more ▶ www.igus.co.uk/E4light