

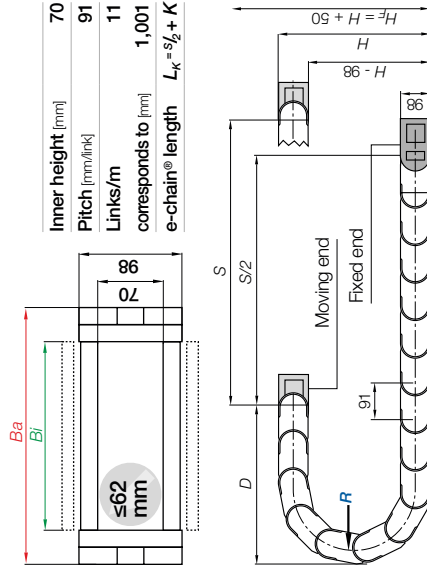
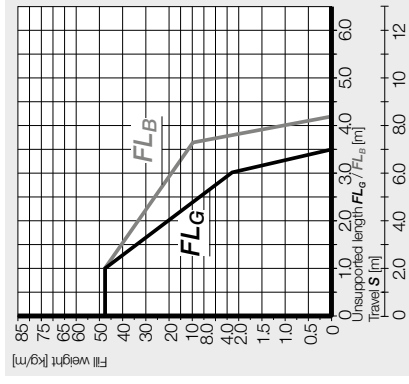


crossbars removable along the inner and outer radius)  
crossbars removable along the inner and outer radius)  
along the outer radius, from one side)

e-tubes	Bi	Ba	14650	19050
	[mm]	[mm]	[kg/m]	[kg/m]
10. -	28. R.0	314	≈ 5.01 ≈ 4.13	-
10. 19050.	30. R.0	300	≈ 5.16 ≈ 4.21 ≈ 6.99	-
10. -	31. R.0	312	≈ 5.20 ≈ 4.23	-
10. -	32. R.0	325	≈ 5.30 ≈ 4.28	-
10. -	33. R.0	337	≈ 5.42 ≈ 4.34	-
10. 19050.	35. R.0	350	≈ 5.62 ≈ 4.44 ≈ 7.68	-
10. -	36. R.0	362	≈ 5.63 ≈ 4.39	-
10. -	37. R.0	375	≈ 5.63 ≈ 4.44	-
10. -	38. R.0	387	≈ 5.74 ≈ 4.50	-
10. 19050.	40. R.0	400	≈ 6.01 ≈ 4.63 ≈ 8.36	-
10. -	41. R.0	412	≈ 5.94 ≈ 4.60	-
10. -	42. R.0	425	≈ 6.23 ≈ 4.74	-
10. -	43. R.0	437	≈ 6.07 ≈ 4.66	-
10. -	45. R.0	450	≈ 6.40 ≈ 4.83	-
10. 19050.	46. R.0	462	≈ 6.35 ≈ 4.80 ≈ 9.21	-
10. -	47. R.0	475	≈ 6.39 ≈ 4.82	-
10. -	48. R.0	487	≈ 6.64 ≈ 4.95	-
10. -	50. R.0	500	≈ 6.74 ≈ 5.00	-
10. -	51. R.0	512	≈ 6.66 ≈ 4.95	-
10. -	52. R.0	525	≈ 6.82 ≈ 5.04	-
10. -	53. R.0	537	≈ 6.92 ≈ 5.09	-
10. -	55. R.0	550	≈ 7.34 ≈ 5.30	-
10. -	60. R.0	600	≈ 7.57 ≈ 5.41	-

19050 link / 19050.30.300.0 = fully enclosed

14650 ► www.igus.co.uk/R19050 igus

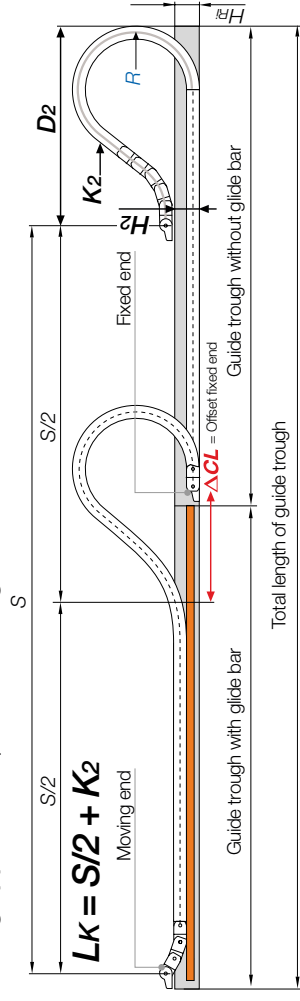


R	150*	175*	200	250	300	350	400	450	500	600
H	398	448	498	598	698	798	898	998	1,098	1,298
D	336	361	386	436	486	536	586	636	686	786
K	655	735	815	970	1,125	1,285	1,440	1,600	1,755	2,070

The required clearance height:  $H_f = H + 50\text{mm}$  (with 2.5kg/m fill weight)

\*Radius not available for e-tubes

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

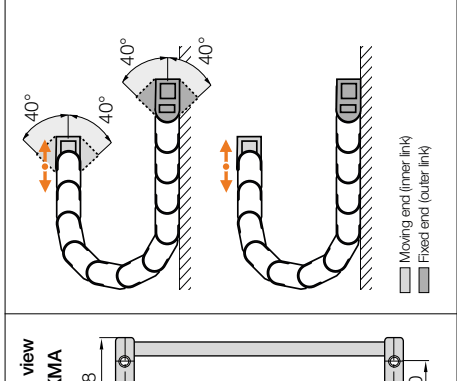


Note: We recommend the project planning of such a system to be carried out by igus®. In case of travels between 8 and 12m we recommend an e-chain® with a longer unsupported length.

R	150*	175*	200	250	300	350	400	450	500	600*
H <sub>2</sub>	266	266	266	266	266	266	266	266	266	-
D <sub>2</sub> *25	450	530	710	920	1,120	1,340	1,530	1,048	1,830	-
K <sub>2</sub>	819	1,001	1,274	1,638	1,911	2,184	2,548	2,821	3,185	-
ΔCL	124	159	209	359	509	659	829	959	1,159	-

\*Radius not available for e-tubes 2) R 600 not suitable For travel lengths. Please consult igus®.

igus 3D CAD, service life calculation, configurators and more ► www.igus.co.uk/E4light 737



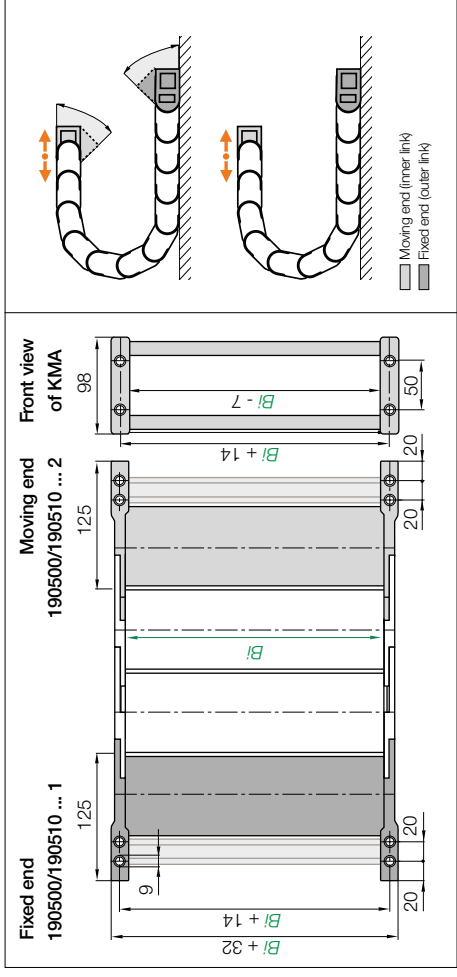
**gliding applications and standing applications**

art No. full set	Part No. full set	Bi [mm]
<b>MA pivoting</b>	<b>KMA locking</b>	
45500. 28 .12.C	145510. 28 .12.C	287
45500. 30 .12.C	145510. 30 .12.C	300
45500. 31 .12.C	145510. 31 .12.C	312
45500. 32 .12.C	145510. 32 .12.C	325
45500. 33 .12.C	145510. 33 .12.C	337
45500. 35 .12.C	145510. 35 .12.C	350
45500. 36 .12.C	145510. 36 .12.C	362
45500. 37 .12.C	145510. 37 .12.C	375
45500. 38 .12.C	145510. 38 .12.C	387
45500. 40 .12.C	145510. 40 .12.C	400
45500. 41 .12.C	145510. 41 .12.C	412
45500. 42 .12.C	145510. 42 .12.C	425
45500. 43 .12.C	145510. 43 .12.C	437
45500. 45 .12.C	145510. 45 .12.C	450
45500. 46 .12.C	145510. 46 .12.C	462
45500. 47 .12.C	145510. 47 .12.C	475
45500. 48 .12.C	145510. 48 .12.C	487
45500. 50 .12.C	145510. 50 .12.C	500
45500. 51 .12.C	145510. 51 .12.C	512
45500. 52 .12.C	145510. 52 .12.C	525
45500. 53 .12.C	145510. 53 .12.C	537
45500. 55 .12.C	145510. 55 .12.C	550
45500. 60 .12.C	145510. 60 .12.C	600

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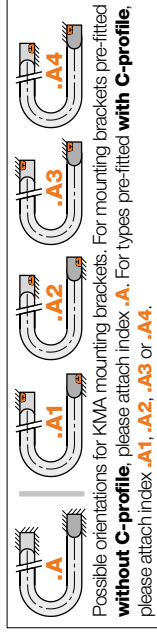
[www.hennlich.cz/lin-tech](http://www.hennlich.cz/lin-tech)



**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]
	<b>KMA pivoting</b>			<b>KMA locking</b>	
07. ▲	190500. 07 .12.C	75	25. ▲	190500. 25 .12.C	250
10. ▲	190500. 10 .12.C	100	27. ▲	190500. 27 .12.C	275
12. ▲	190500. 12 .12.C	125	30. ▲	190500. 30 .12.C	300
15. ▲	190500. 15 .12.C	150	35. ▲	190500. 35 .12.C	350
17. ▲	190500. 17 .12.C	175	40. ▲	190500. 40 .12.C	400
20. ▲	190500. 20 .12.C	200	46. ▲	190500. 46 .12.C	462

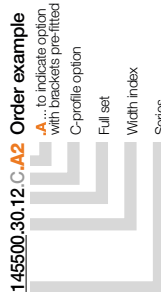
(KMA = polymer metal mounting bracket) For the C-profile option please add index **-c**

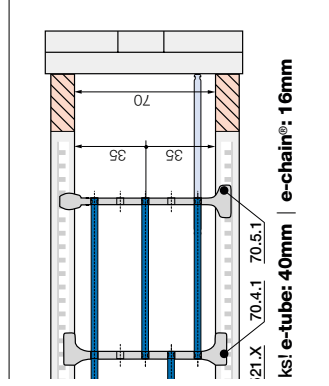


Possible orientations for KMA mounting brackets. For mounting brackets pre-fitted without C-profile, please attach index **-A**. For types pre-fitted with C-profile, please attach index **-A1, -A2, -A3 or -A4**.



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




**ard - for any application**

or with a wide base for maximum holding force.

**en faster installation**

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

**all cables**

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

**le-mounted applications**

etrical separator, for defined gap distance. No al spacers required.

**securely in preset increments**

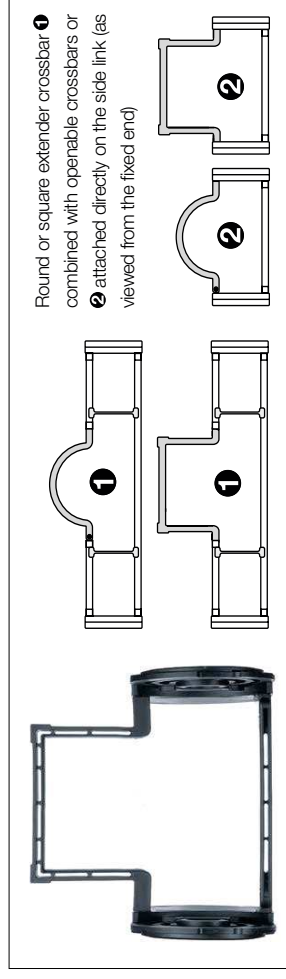
eparator for exact positioning. neded for side-mounted applications.

**ntal separation**

h shelf locks securely into separators at both ends, ixed 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

14650 ► [www.igus.co.uk/R19050](http://www.igus.co.uk/R19050)


**Extender crossbars with fixed width | Safe guiding for large hoses**

- Suitable for hoses with a maximum outer diameter of 270mm.
- 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 s [mm]	Extender crossbar shape	Fitted to side link	Combine with openable crossbars
450.15RHD115	115	○ round	No	Yes
450.17RD115	115	○ round	Yes	No
450.25D150	150	□ square	Yes	No
450.30D200	200	□ square	Yes	No
450.35D250	220	□ square	Yes	No
450.40D300	270	□ square	Yes	No
450.20HD150	150	□ square	No	Yes
450.25HD200	200	□ square	No	Yes
450.30HD250	220	□ 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**: 14550.10/15RHD**E**115/10.**R**.0

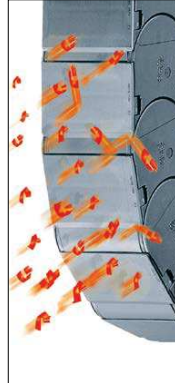
To receive extender crossbar RH-D115 pre-fitted along the inner radius of the chain®, please add index **Z**: 14550.10/15RHD**Z**115/10.**R**.0

**Order example: 2 fitted to side link**

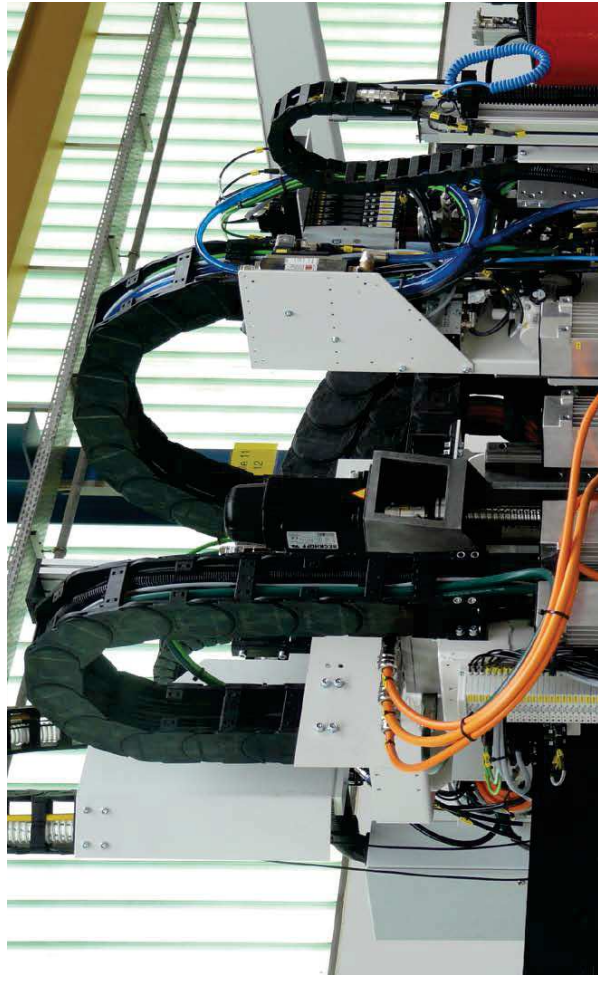
To receive extender crossbar RD115 pre-fitted along the outer radius of the chain®, please add index **E**: 14550.17RD**E**115.**R**.0

To receive extender crossbar RD115 pre-fitted along the inner radius of the chain®, please add index **Z**: 14550.17RD**Z**115.**R**.0

3D CAD, service life calculation, configurators and more ► [www.igus.co.uk/E4light](http://www.igus.co.uk/E4light)



**dses**  
contact



Various igus® e-chains® installed vertically including light-weight E4/light e-chains®