



e-chains® | Series E4.112 | **Crossbars every link** (crossbars removable along the inner and outer radius)
e-tubes | Series R4.112 | **Fully enclosed** (lids openable along the outer radius, from one side)

Part No.	<i>Bi</i>	<i>Ba</i>	E4.112	R4.112
e-chains® / e-tubes	[mm]	[mm]	[kg/m]	[kg/m]
E4. – 112. 05. R.0	50	102	≈ 6.89	–
E4. – 112. 055. R.0	55	107	≈ 6.93	–
E4. – 112. 06. R.0	65	117	≈ 6.95	–
E4. – 112. 07. R.0	75	127	≈ 6.99	–
E4. – 112. 08. R.0	87	139	≈ 7.05	–
E4. – 112. 10. R.0	100	152	≈ 7.10	–
E4. – 112. 11. R.0	112	164	≈ 7.18	–
E4. – 112. 12. R.0	125	177	≈ 7.23	–
E4. – 112. 13. R.0	137	189	≈ 7.31	–
E4. – 112. 15. R.0	150	202	≈ 7.34	–
E4. – 112. 16. R.0	162	214	≈ 7.41	–
E4. – 112. 17. R.0	175	227	≈ 7.49	–
E4. – 112. 18. R.0	187	239	≈ 7.56	–
E4. R4. 112. 20. R.0	200	252	≈ 7.60	≈ 9.26
E4. – 112. 21. R.0	212	264	≈ 7.64	–
E4. – 112. 22. R.0	225	277	≈ 7.69	–
E4. – 112. 23. R.0	237	289	≈ 7.76	–
E4. R4. 112. 25. R.0	250	302	≈ 7.83	≈ 9.91
E4. – 112. 26. R.0	262	314	≈ 7.89	–
E4. – 112. 27. R.0	275	327	≈ 7.95	–
E4. – 112. 28. R.0	287	339	≈ 7.99	–
E4. R4. 112. 30. R.0	300	352	≈ 8.09	≈ 10.53

*Radius not available for e-tubes

Available bend radii

R [mm] | 200* | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 750 | 1.000 |

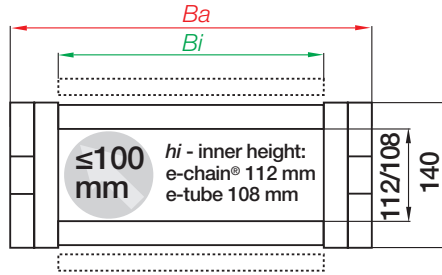
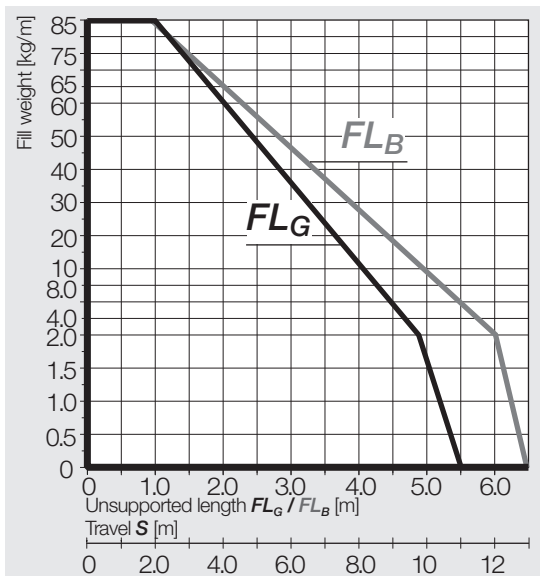
Complete Part No. with required radius (*R*). Example:

E4.112.30.300.0 = crossbars every link / R4.112.30.300.0 = fully enclosed

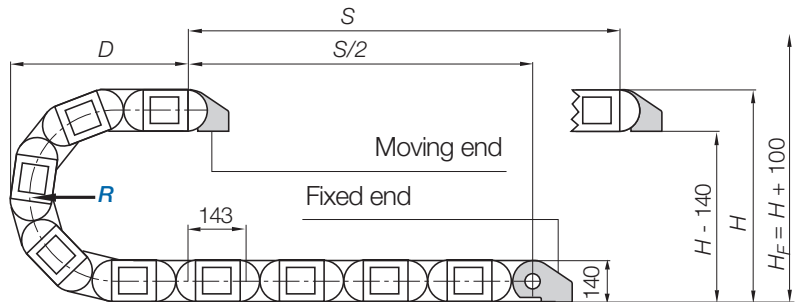
Part No.	<i>Bi</i>	<i>Ba</i>	E4.112	R4.112
e-chains® / e-tubes	[mm]	[mm]	[kg/m]	[kg/m]
E4. – 112. 31. R.0	312	364	≈ 8.11	–
E4. – 112. 32. R.0	325	377	≈ 8.18	–
E4. – 112. 33. R.0	337	389	≈ 8.25	–
E4. R4. 112. 35. R.0	350	402	≈ 8.38	≈ 11.18
E4. – 112. 36. R.0	362	414	≈ 8.32	–
E4. – 112. 37. R.0	375	427	≈ 8.38	–
E4. – 112. 38. R.0	387	439	≈ 8.46	–
E4. R4. 112. 40. R.0	400	452	≈ 8.63	≈ 11.82
E4. – 112. 41. R.0	412	464	≈ 8.58	–
E4. – 112. 42. R.0	425	477	≈ 8.77	–
E4. – 112. 43. R.0	437	489	≈ 8.67	–
E4. – 112. 45. R.0	450	502	≈ 8.88	–
E4. – 112. 46. R.0	462	514	≈ 8.85	–
E4. – 112. 47. R.0	475	527	≈ 8.87	–
E4. – 112. 48. R.0	487	539	≈ 9.03	–
E4. – 112. 50. R.0	500	552	≈ 9.09	–
E4. – 112. 51. R.0	512	564	≈ 9.03	–
E4. – 112. 52. R.0	525	577	≈ 9.15	–
E4. – 112. 53. R.0	537	589	≈ 9.20	–
E4. – 112. 55. R.0	550	602	≈ 9.47	–
E4. – 112. 60. R.0	600	652	≈ 9.62	–



Unsupported applications | Short travels



E4.112 Inner height [mm]	112
R4.112 Inner height [mm]	108
Pitch [mm/link]	143
Links/m	7
corresponds to [mm]	1,001
Chain length	$L_K = S/2 + K$

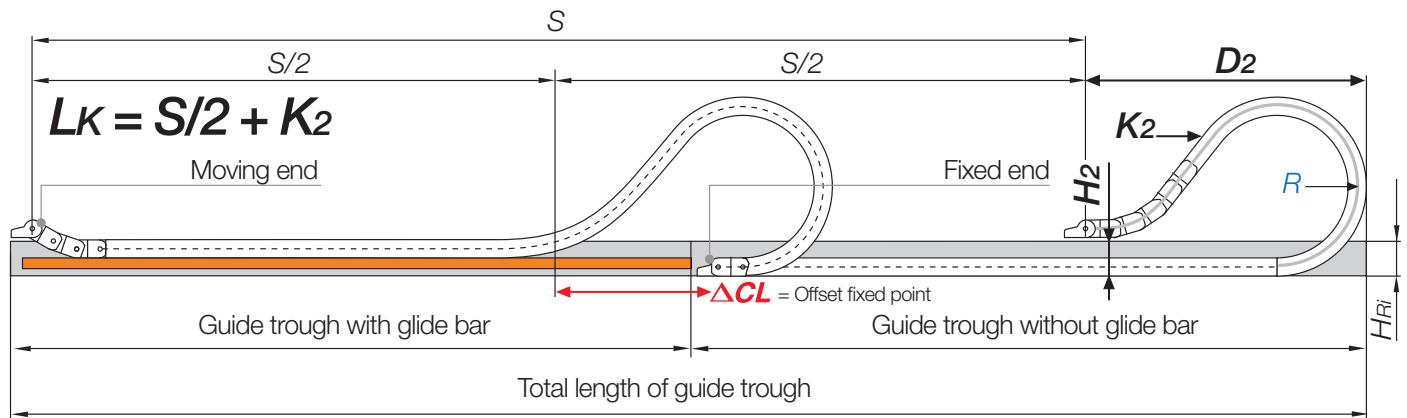


R	200*	250	300	350	400	450	500	550	600	750	1.000
H	545	645	745	845	945	1,045	1,145	1,245	1,345	1,645	2,145
D	415	465	515	565	615	665	715	765	815	965	1,215
K	915	1,075	1,230	1,390	1,545	1,700	1,860	2,015	2,175	2,645	3,430

The required clearance height: $H_F = H + 100$ mm (with 5.0 kg/m fill weight)

*Radius not available for e-tubes

Gliding applications | For long travels from 14 m to max. 450 m



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

In case of travels between 11 and 14 m we recommend an e-chain® with a longer unsupported length.

R	200*	250	300	350	400	450	500	550	600	750	1.000
H ₂	325	325	325	325	325	325	325	325	325	-	-
D ₂	900	1,000	1,100	1,250	1,450	1,600	1,700	1,900	2,050	-	-
K ₂	1,573	1,716	1,859	2,288	2,574	2,860	3,146	3,432	3,861	-	-
ΔCL	450	500	550	650	800	900	950	1,100	1,200	-	-

*Radius not available for e-tubes