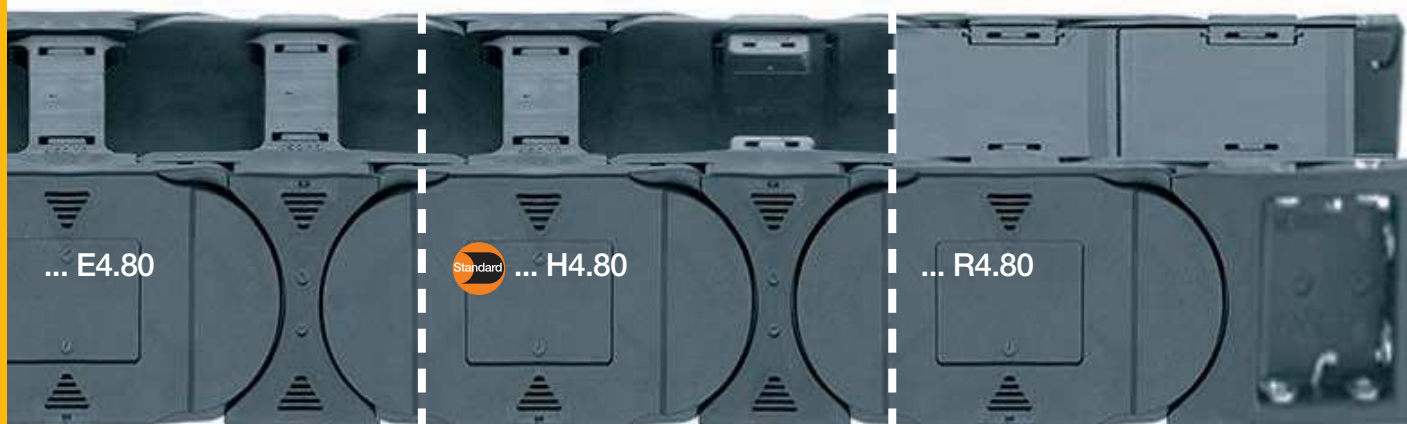


E4.1 | Series E4.80·H4.80·R4.80 | Product range

Stable due to undercut design, new very large inner height



- e-chains® | Series E4.80 | Crossbars every link (crossbars removable along the inner and outer radius)
- e-chains® | Series H4.80 | Crossbars every 2nd link (crossbars removable along the inner and outer radius)
- e-tubes | Series R4.80 | Fully enclosed (lids openable along the outer radius, from one side)

Part No.	Bi	Ba	E4.80	H4.80	R4.80
e-chains® / e-tubes	[mm]	[mm]	[kg/m]	[kg/m]	[kg/m]
E4. H4. - 80. 05. R.0	50	100	≈ 5.73	≈ 5.72	-
E4. H4. - 80. 055. R.0	55	105	≈ 5.77	≈ 5.74	-
E4. H4. - 80. 06. R.0	65	115	≈ 5.80	≈ 5.76	-
E4.1) H4. - 80. 07. R.0	75	125	≈ 5.86	≈ 5.78	-
E4. H4. - 80. 08. R.0	87	137	≈ 5.93	≈ 5.82	-
E4. H4. R4. 80. 10. R.0	100	150	≈ 6.00	≈ 5.85	≈ 6.70
E4. H4. - 80. 11. R.0	112	163	≈ 6.10	≈ 5.90	-
E4.1) H4. - 80. 12. R.0	125	175	≈ 6.16	≈ 5.93	-
E4. H4. - 80. 13. R.0	137	188	≈ 6.27	≈ 5.99	-
E4.1) H4. R4. 80. 15. R.0	150	200	≈ 6.30	≈ 6.01	≈ 7.34
E4. H4. - 80. 16. R.0	162	213	≈ 6.39	≈ 6.05	-
E4. H4. - 80. 17. R.0	175	225	≈ 6.50	≈ 6.11	-
E4. H4. - 80. 18. R.0	187	238	≈ 6.59	≈ 6.15	-
E4.1) H4. R4. 80. 20. R.0	200	250	≈ 6.64	≈ 6.17	≈ 8.09
E4. H4. - 80. 21. R.0	212	263	≈ 6.70	≈ 6.20	-
E4. H4. - 80. 22. R.0	225	275	≈ 6.76	≈ 6.23	-
E4. H4. - 80. 23. R.0	237	288	≈ 6.84	≈ 6.28	-
E4.1) H4. R4. 80. 25. R.0	250	300	≈ 6.94	≈ 6.32	≈ 8.47
E4. H4. - 80. 26. R.0	262	313	≈ 7.01	≈ 6.36	-
E4. H4. - 80. 27. R.0	275	325	≈ 7.09	≈ 6.40	-
E4. H4. - 80. 28. R.0	287	338	≈ 7.14	≈ 6.42	-
E4.1) H4. R4. 80. 30. R.0	300	350	≈ 7.27	≈ 6.49	≈ 9.22

Part No.	Bi	Ba	E4.80	H4.80	R4.80
e-chains® / e-tubes	[mm]	[mm]	[kg/m]	[kg/m]	[kg/m]
E4. H4. - 80. 31. R.0	312	363	≈ 7.30	≈ 6.50	-
E4. H4. - 80. 32. R.0	325	375	≈ 7.38	≈ 6.54	-
E4. H4. - 80. 33. R.0	337	388	≈ 7.48	≈ 6.59	-
E4. H4. R4. 80. 35. R.0	350	400	≈ 7.59	≈ 6.65	≈ 9.90
E4. H4. - 80. 36. R.0	362	413	≈ 7.61	≈ 6.66	-
E4. H4. - 80. 37. R.0	375	425	≈ 7.71	≈ 6.71	-
E4. H4. - 80. 38. R.0	387	438	≈ 7.74	≈ 6.73	-
E4. H4. R4. 80. 40. R.0	400	450	≈ 7.84	≈ 6.77	≈ 10.52
E4. H4. - 80. 41. R.0	412	463	≈ 7.90	≈ 6.80	-
E4. H4. - 80. 42. R.0	425	475	≈ 8.00	≈ 6.85	-
E4. H4. - 80. 43. R.0	437	488	≈ 8.07	≈ 6.89	-
E4. H4. - 80. 45. R.0	450	500	≈ 8.23	≈ 6.97	-
E4. H4. R4. 80. 46. R.0	462	513	≈ 8.26	≈ 6.99	≈ 11.33
E4. H4. - 80. 47. R.0	475	525	≈ 8.29	≈ 7.00	-
E4. H4. - 80. 48. R.0	487	538	≈ 8.35	≈ 7.03	-
E4. H4. - 80. 50. R.0	500	550	≈ 8.48	≈ 7.09	-
E4. H4. - 80. 51. R.0	512	563	≈ 8.52	≈ 7.11	-
E4. H4. - 80. 52. R.0	525	575	≈ 8.63	≈ 7.17	-
E4. H4. - 80. 53. R.0	537	588	≈ 8.70	≈ 7.21	-
E4. H4. - 80. 55. R.0	550	600	≈ 9.05	≈ 7.38	-
E4. H4. - 80. 60. R.0	600	650	≈ 9.23	≈ 7.47	-

1) ⚠ ESD/ATEX version available from stock * Radius not available for e-tubes

Available bend radii

R [mm] | 150* | 200 | 250 | 300 | 350 | 400 | 500 | 550 | 600 | 1.000 |

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

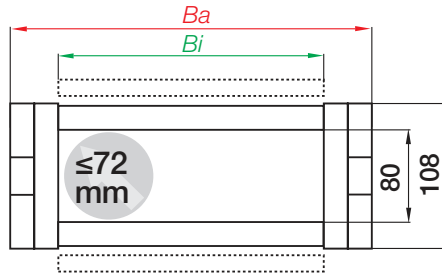
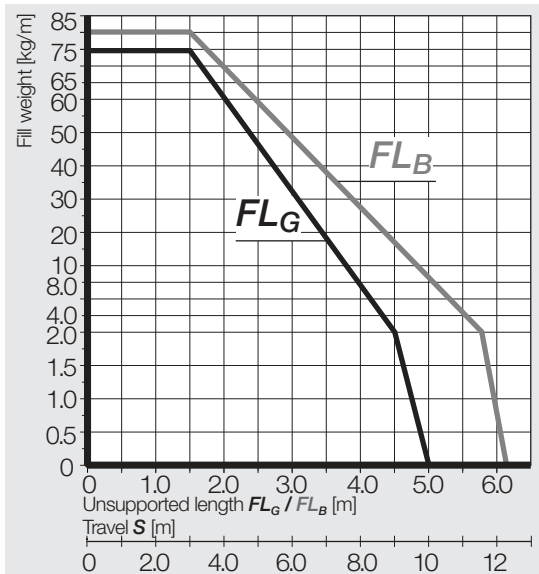
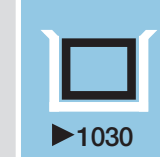
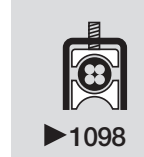
E4.80.30.300.0 = crossbars every link / H4.80.30.300.0 = crossbars every 2nd link / R4.80.30.300.0 = fully enclosed

ESD/ATEX e-chains® - many sizes from stock

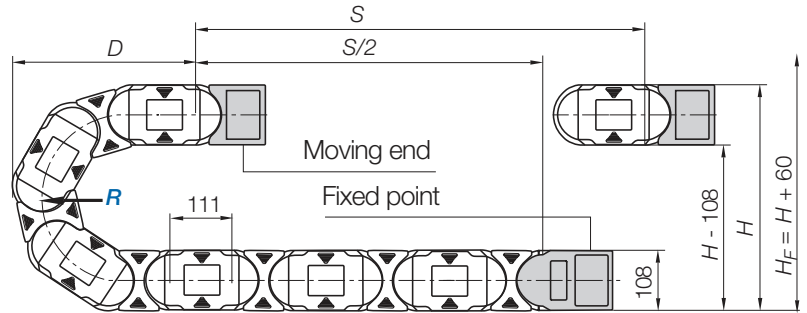
- ESD material tested with over 10 million cycles for the most demanding applications
- Standardised product - igumid ESD with PTB certificate
- Short delivery times including mounting brackets and interior separation; 24hrs, from stock

More information ► www.igus.eu/esd





Inner height [mm]	80
Pitch [mm/link]	111
Links/m	9
corresponds to [mm]	999
Chain length	$L_K = S/2 + K$

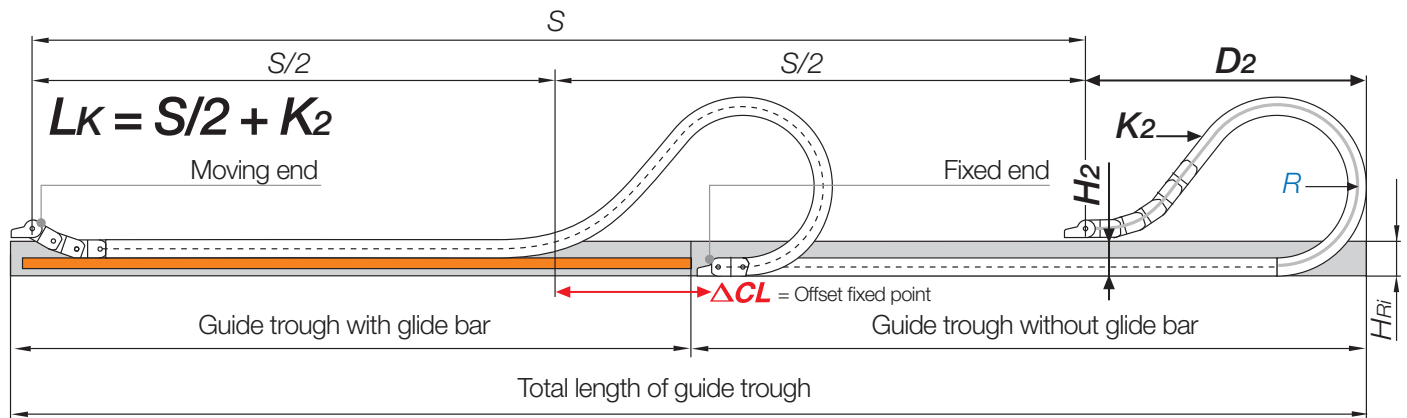


R	150*	200	250	300	350	400	500	550	600	1.000
H_{+25}	408	508	608	708	808	908	1,108	1,208	1,308	2,108
D	371	421	471	521	571	621	721	771	821	1,221
K	695	855	1,010	1,165	1,325	1,480	1,795	1,950	2,110	3,365

The required clearance height: $H_F = H + 60\text{ mm}$ (with 3.0 kg/m fill weight)

*Radius not available for e-tubes

Gliding applications | For long travels from 12 m to max. 400 m



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

In case of travels between 10 and 12 m we recommend an e-chain® with a longer unsupported length.

R	150*	200	250	300	350	400	500	550	600	1.000
H_2	242	242	242	242	242	242	242	-	-	-
D_2^{+25}	550	800	1,000	1,200	1,450	1,600	2,100	-	-	-
K_2	890	1,330	1,665	2,000	2,330	2,660	3,440	-	-	-
ΔCL	189	389	539	689	889	989	1,389	-	-	-

*Radius not available for e-tubes