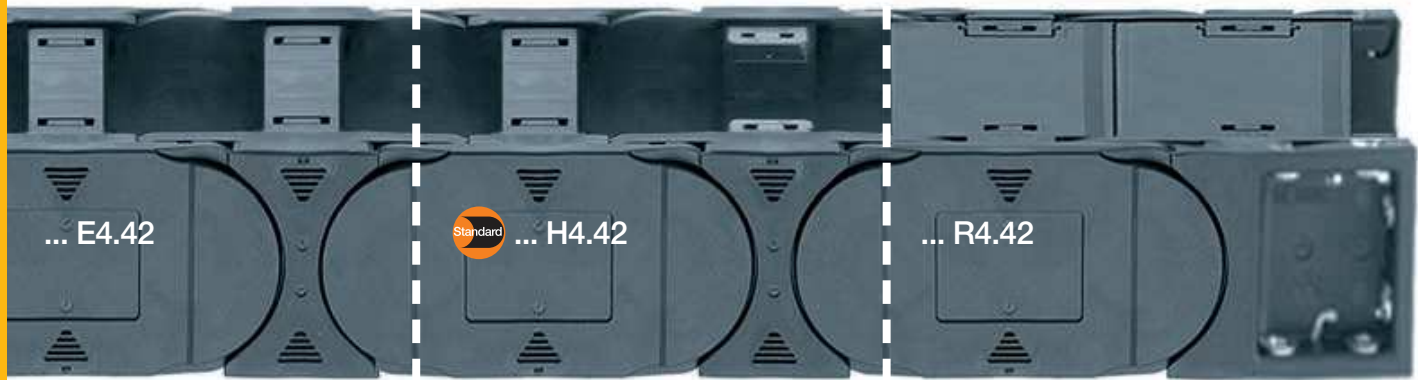


Stable due to undercut design, medium inner height



e-chains® | Series E4.42 | Crossbars every link (crossbars removable along the inner and outer radius)
e-chains® | Series H4.42 | Crossbars every 2nd link (crossbars removable along the inner and outer radius)
e-tubes | Series R4.42 | Fully enclosed (lids openable along the outer radius, from one side)

Part No.	Bi	Ba	E4.42	H4.42	R4.42
e-chains® / e-tubes	[mm]	[mm]	[kg/m]	[kg/m]	[kg/m]
E4.1) H4. R4.2) 42. 05. R.0	50	76	≈ 2.10	≈ 2.05	≈ 2.74
E4.1) H4. - 42. 06. R.0	68	94	≈ 2.21	≈ 2.10	-
E4.1) H4. R4. 42. 07. R.0	75	101	≈ 2.24	≈ 2.12	≈ 3.05
E4.1) H4. R4. 42. 087. R.0	87	114	≈ 2.30	≈ 2.15	≈ 3.20
E4. H4. - 42. 097. R.0	97	120	≈ 2.35	≈ 2.17	-
E4.1) H4. R4. 42. 10. R.0	100	126	≈ 2.37	≈ 2.18	≈ 3.34
E4. H4. R4. 42. 11. R.0	108	134	≈ 2.42	≈ 2.20	≈ 3.39
E4. H4. - 42. 112. R.0	112	139	≈ 2.43	≈ 2.21	-
E4. H4. R4. 42. 12. R.0	125	151	≈ 2.52	≈ 2.26	≈ 3.58
E4. H4. - 42. 137. R.0	137	164	≈ 2.57	≈ 2.28	-
E4.1) H4. R4. 42. 15. R.0	150	176	≈ 2.64	≈ 2.32	≈ 3.87
E4. H4. - 42. 162. R.0	162	189	≈ 2.66	≈ 2.33	-
E4. H4. R4. 42. 17. R.0	168	194	≈ 2.73	≈ 2.36	≈ 4.10
E4.1) H4. - 42. 18. R.0	175	201	≈ 2.75	≈ 2.37	-
E4. H4. - 42. 187. R.0	187	214	≈ 2.79	≈ 2.39	-
E4.1) H4. R4. 42. 20. R.0	200	226	≈ 2.90	≈ 2.44	≈ 4.44

Part No.	Bi	Ba	E4.42	H4.42	R4.42
e-chains® / e-tubes	[mm]	[mm]	[kg/m]	[kg/m]	[kg/m]
E4. H4. - 42. 212. R.0	212	239	≈ 2.94	≈ 2.46	-
E4. H4. - 42. 23. R.0	225	251	≈ 3.02	≈ 2.51	-
E4. H4. - 42. 237. R.0	237	264	≈ 3.05	≈ 2.52	-
E4. H4. R4. 42. 25. R.0	250	276	≈ 3.16	≈ 2.58	≈ 5.44
E4. H4. - 42. 262. R.0	262	289	≈ 3.23	≈ 2.61	-
E4. H4. - 42. 28. R.0	275	301	≈ 3.29	≈ 2.64	-
E4. H4. - 42. 29. R.0	287	314	≈ 3.32	≈ 2.65	-
E4. H4. R4. 42. 30. R.0	300	326	≈ 3.42	≈ 2.71	≈ 6.09
E4. H4. - 42. 312. R.0	312	339	≈ 3.44	≈ 2.72	-
E4. H4. - 42. 325. R.0	325	351	≈ 3.53	≈ 2.76	-
E4. H4. - 42. 337. R.0	337	364	≈ 3.58	≈ 2.79	-
E4. H4. - 42. 350. R.0	350	376	≈ 3.77	≈ 2.88	-
E4. H4. - 42. 362. R.0	362	389	≈ 3.85	≈ 2.92	-
E4. H4. - 42. 375. R.0	375	402	≈ 3.91	≈ 2.95	-
E4. H4. - 42. 387. R.0	387	414	≈ 3.97	≈ 2.98	-
E4. H4. - 42. 400. R.0	400	426	≈ 4.02	≈ 3.01	-

1) ⚠ ESD/ATEX version available from stock 2) Removable lid, non-openable

*Radius not available for e-tubes

Available bend radii

R [mm] | 075* | 100* | 115* | 125 | 150 | 160 | 175 | 200 | 250 | 300 | 350 |

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

E4.42.30.300.0 = crossbars every link / H4.42.30.300.0 = crossbars every 2nd link / R4.42.30.300.0 = 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



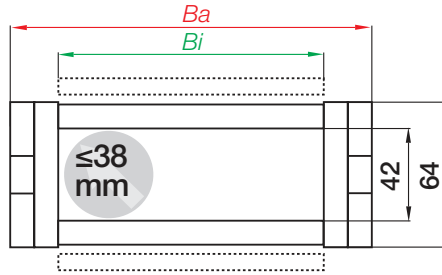
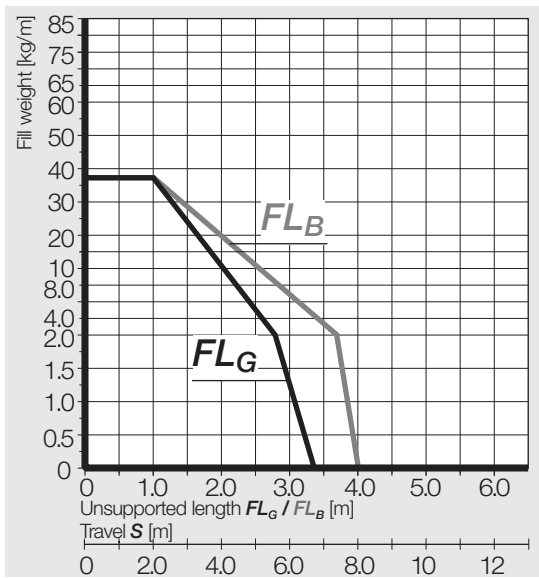


▶ 1098

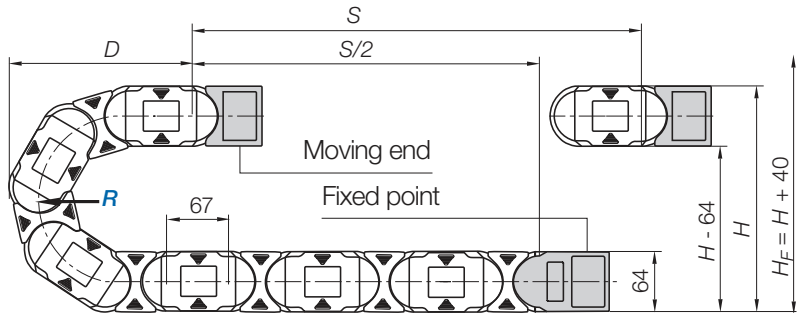


▶ 1026

E4.42
H4.42
R4.42



Inner height [mm]	42
Pitch [mm/link]	67
Links/m	15
corresponds to [mm]	1,005
Chain length	$L_K = S/2 + K$

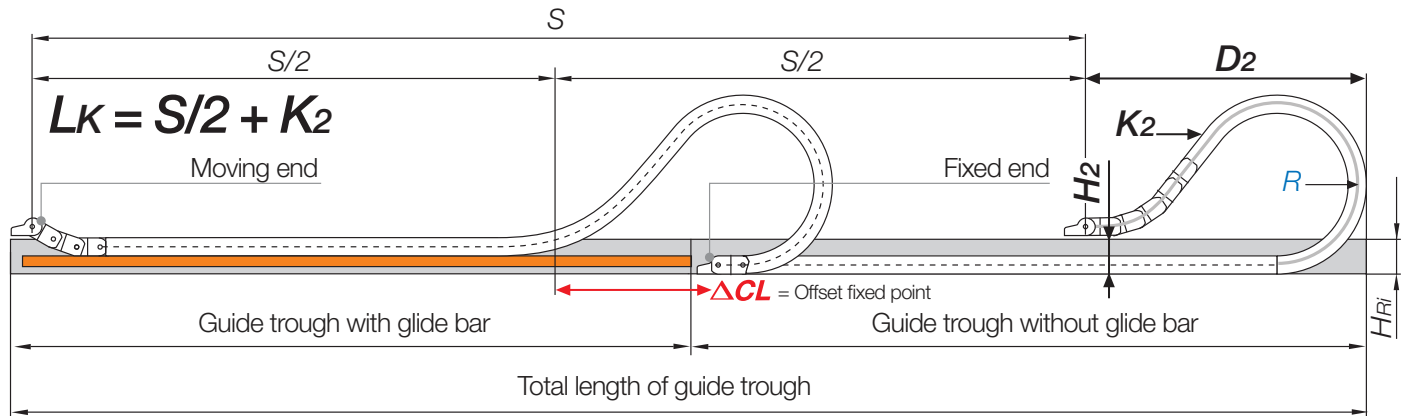


R	075*	100*	115*	125	150	160	175	200	250	300	350
H_{+25}	214	264	294	314	364	384	414	464	564	664	764
D	208	233	248	258	283	293	308	333	383	433	483
K	370	450	500	530	610	640	685	765	920	1,080	1,235

The required clearance height: $H_F = H + 40\text{ mm}$ (with 3.0 kg/m fill weight)

*Radius not available for e-tubes

Gliding applications | For long travels from 12 m to max. 300 m



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

In case of travels between 8 and 12 m we recommend an e-chain® with a longer unsupported length.

R	075*	100*	115*	125	150	160	175	200	250	300	350
H_2	150	200	230	186	186	186	186	186	186	186	186
D_2^{+25}	174	199	435	475	570	623	670	780	1,030	1,150	1,500
K_2	370	450	737	804	938	1,072	1,139	1,340	1,675	1,943	2,412
ΔCL	-	-	200	230	300	380	380	460	660	730	1,030

*Radius not available for e-tubes