

Series E4Q.82 | Crossbars every link (crossbars removable along the inner and outer radius)
 Series H4Q.82 | Crossbars every 2nd link (crossbars removable along the inner and outer radius)

Part No.	Bi	Ba	E4Q.82	H4Q.82	Part No.	Bi	Ba	E4Q.82	H4Q.82
e-chains®	[mm]	[mm]	[kg/m]	[kg/m]	e-chains®	[mm]	[mm]	[kg/m]	[kg/m]
E4Q.82. H4Q.82. 100.R.0	100	150	≈ 6.05	≈ 5.77	E4Q.82. H4Q.82. 362.R.0	362	413	≈ 6.97	≈ 6.23
E4Q.82. H4Q.82. 112.R.0	112	163	≈ 6.10	≈ 5.79	E4Q.82.* H4Q.82.* 375.R.0	375	425	≈ 7.02	≈ 6.25
E4Q.82. H4Q.82. 125.R.0	125	175	≈ 6.12	≈ 5.81	E4Q.82.* H4Q.82.* 387.R.0	387	438	≈ 7.07	≈ 6.28
E4Q.82.* H4Q.82.* 137.R.0	137	188	≈ 6.17	≈ 5.83	E4Q.82.* H4Q.82.* 400.R.0	400	450	≈ 7.11	≈ 6.30
E4Q.82. H4Q.82. 150.R.0	150	200	≈ 6.24	≈ 5.87	E4Q.82.* H4Q.82.* 412.R.0	412	463	≈ 7.15	≈ 6.32
E4Q.82. H4Q.82. 162.R.0	162	213	≈ 6.29	≈ 5.89	E4Q.82.* H4Q.82.* 425.R.0	425	475	≈ 7.20	≈ 6.35
E4Q.82. H4Q.82. 175.R.0	175	225	≈ 6.32	≈ 5.90	E4Q.82.* H4Q.82.* 437.R.0	437	488	≈ 7.24	≈ 6.37
E4Q.82.* H4Q.82.* 187.R.0	187	238	≈ 6.35	≈ 5.92	E4Q.82.* H4Q.82.* 450.R.0	450	500	≈ 7.29	≈ 6.39
E4Q.82. H4Q.82. 200.R.0	200	250	≈ 6.44	≈ 5.97	E4Q.82.* H4Q.82.* 462.R.0	462	513	≈ 7.33	≈ 6.41
E4Q.82. H4Q.82. 212.R.0	212	263	≈ 6.49	≈ 5.99	E4Q.82.* H4Q.82.* 475.R.0	475	525	≈ 7.38	≈ 6.43
E4Q.82.* H4Q.82.* 225.R.0	225	275	≈ 6.50	≈ 6.00	E4Q.82.* H4Q.82.* 487.R.0	487	538	≈ 7.42	≈ 6.46
E4Q.82. H4Q.82. 237.R.0	237	288	≈ 6.53	≈ 6.01	E4Q.82.* H4Q.82.* 500.R.0	500	550	≈ 7.47	≈ 6.48
E4Q.82. H4Q.82. 250.R.0	250	300	≈ 6.57	≈ 6.03	E4Q.82.* H4Q.82.* 512.R.0	512	563	≈ 7.51	≈ 6.50
E4Q.82. H4Q.82. 262.R.0	262	313	≈ 6.62	≈ 6.05	E4Q.82.* H4Q.82.* 525.R.0	525	575	≈ 7.56	≈ 6.52
E4Q.82. H4Q.82. 275.R.0	275	325	≈ 6.66	≈ 6.08	E4Q.82.* H4Q.82.* 537.R.0	537	588	≈ 7.60	≈ 6.54
E4Q.82.* H4Q.82.* 287.R.0	287	338	≈ 6.71	≈ 6.10	E4Q.82.* H4Q.82.* 550.R.0	550	600	≈ 7.65	≈ 6.57
E4Q.82. H4Q.82. 300.R.0	300	350	≈ 6.75	≈ 6.12	E4Q.82.* H4Q.82.* 562.R.0	562	613	≈ 7.68	≈ 6.59
E4Q.82.* H4Q.82.* 312.R.0	312	363	≈ 6.80	≈ 6.14	E4Q.82.* H4Q.82.* 575.R.0	575	625	≈ 7.72	≈ 6.60
E4Q.82.* H4Q.82.* 325.R.0	325	375	≈ 6.84	≈ 6.17	E4Q.82.* H4Q.82.* 587.R.0	587	638	≈ 7.68	≈ 6.59
E4Q.82. H4Q.82. 337.R.0	337	388	≈ 6.89	≈ 6.19	E4Q.82.* H4Q.82.* 600.R.0	600	650	≈ 7.74	≈ 6.61
E4Q.82.* H4Q.82.* 350.R.0	350	400	≈ 6.93	≈ 6.21					

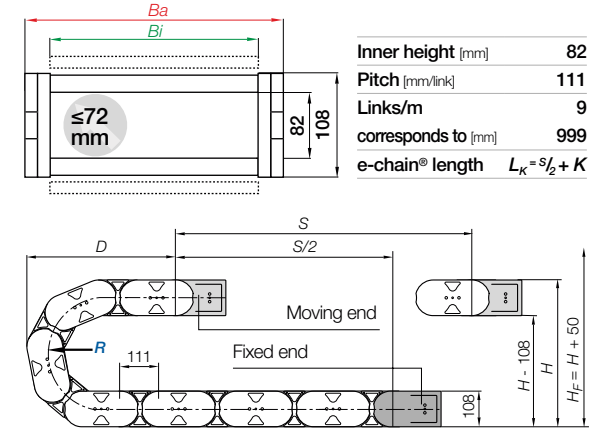
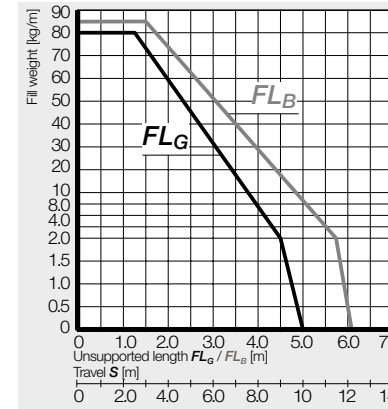
*Width available upon request. Please consult igus® for delivery time.

Available bend radii

R [mm] | 150 | 175 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 | 1,000 |

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

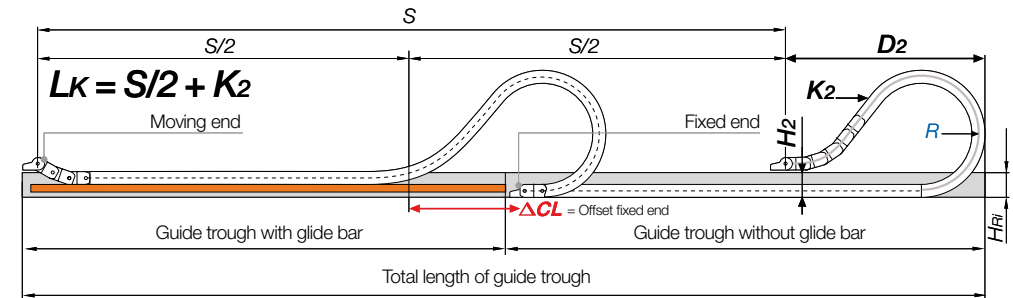
E4Q.82.125.150.0 = crossbars every link / E4Q.82.125.150.0 = crossbars every 2nd link



R	150	175	200	250	300	350	400	450	500	600	1,000
H	408	458	508	608	708	808	908	1,008	1,108	1,308	2,108
D	371	396	421	471	521	571	621	671	721	821	1,221
K	695	775	855	1,010	1,165	1,325	1,480	1,640	1,795	2,110	3,365

The required clearance height: $H_f = H + 50\text{mm}$ (with 3.0kg/m fill weight)

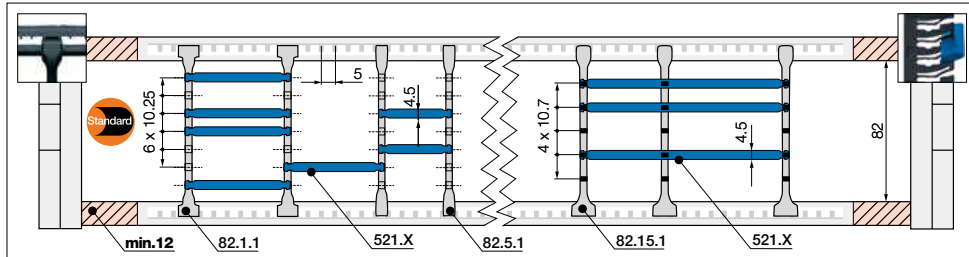
Gliding applications | For travel lengths from 12m to max. 400m



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

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

R	150	175	200	250	300	350	400	450	500	600	1,000
H ₂	242	242	242	242	242	242	242	242	242	242	-
D ₂	550	675	800	1,000	1,200	1,450	1,600	1,850	2,100	2,500	-
K ₂	890	1,000	1,330	1,665	2,000	2,330	2,660	3,000	3,440	4,100	-
ΔCL	189	289	389	539	689	889	989	1,189	1,389	1,689	-



Note: Please be aware of the minimum lateral gap to the side links! **e-chain®: 12mm**
As standard separators are fitted every 2nd e-chain® link!

	4		Standard separator, wide base
	12		unassembled 82.1 assembled 82.1.1

Standard - for any application
Separator with a wide base for maximum holding force.

	4		Notch separator for notched crossbar
	6		unassembled 82.5 assembled 82.5.1

Locks securely in preset increments
Notch separator for exact positioning. Recommended for side-mounted applications.

	8		Lean notch separator¹⁾
	14		unassembled 82.15 assembled 82.15.1

Lean notch separators¹⁾
For quick fitting of shelves in several layers. Snaps securely into the crossbar in 5mm steps to be positioned securely.
1) Note: Please combine maximum 4 lean separators with one shelf.
Not suitable for side-mounted e-chains²⁾

	X-1		Shelf, lockable
			unassembled 520.X assembled 521.X

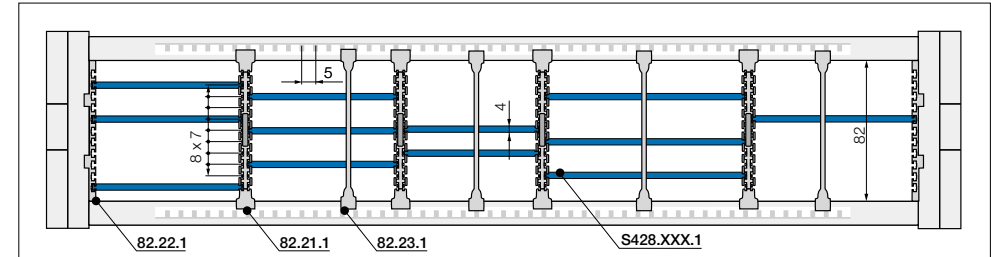
Horizontal separation
Full-width shelf locks securely into separators at both ends, giving a fixed width. Can be used as full-width or partial shelf.

Shelves Width = X [mm]	X [mm]	unassembled	assembled	X [mm]	unassembled	assembled	X [mm]	unassembled	assembled
		050	520.050	521.050	150	520.150	521.150	300	520.300
	065	520.065	521.065	175	520.175	521.175	350	520.350	521.350
	075	520.075	521.075	200	520.200	521.200	375	520.375	521.375
	100	520.100	521.100	225	520.225	521.225	387	520.387	521.387
	125	520.125	521.125	250	520.250	521.250	450	520.450	521.450

Lean notch separator design principle | For even faster filling

With the lean notch 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



No lateral gap to side links necessary.
As standard separators are fitted every 2nd e-chain® link!

	8		Universal middle plate
	12		unassembled 82.21 assembled 82.21.1

Universal middle plates
The shelves can be inserted from both sides. The shelves are locked in place by means of the integrated slider and additionally when the crossbar is fitted. For unlocking, the crossbar must be removed - on the inner or outer radius.

	4		Universal side plate
			unassembled 82.22 assembled 82.22.1

Universal side plates
Allow modular shelving right up to the side links. Shelves can be inserted from both sides.

	3		Separator
	10		unassembled 82.23 assembled 82.23.1

Separators for universal interior separation
For additional vertical partitioning of the shelf system. When using the separator, the shelves can only be removed in one direction.

	X-8		Shelf
			unassembled S428.XXX assembled S428.XXX.1

Shelves for universal interior separation
Shelves of various widths can be arranged in steps of 7mm.

Shelves Width = XXX [mm]	XXX [mm]	unassembled	assembled	XXX [mm]	unassembled	assembled	XXX [mm]	unassembled	assembled
		018 ¹⁾	S428.018	S428.018.1	050 ¹⁾	S428.050	S428.050.1	108 [*]	S428.108
	023 [*]	S428.023	S428.023.1	054 [*]	S428.054	S428.054.1	125 [*]	S428.125	S428.125.1
	025 [*]	S428.025	S428.025.1	062 ¹⁾	S428.062	S428.062.1	150 [*]	S428.150	S428.150.1
	028 [*]	S428.028	S428.028.1	075 ¹⁾	S428.075	S428.075.1	175 [*]	S428.175	S428.175.1
	033 [*]	S428.033	S428.033.1	087 [*]	S428.087	S428.087.1	200 [*]	S428.200	S428.200.1
	043 [*]	S428.043	S428.043.1	100 ¹⁾	S428.100	S428.100.1	208 [*]	S428.208	S428.208.1

^{*}Width available upon request. Please consult igus® for delivery time. ¹⁾ Width available from spring 2021.