



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. e-chains®	Bi [mm]	Ba [mm]	E4Q.82 [kg/m]	H4Q.82 [kg/m]
E4Q.82. H4Q.82. 100.R.0	100	150	≈ 6.05	≈ 5.77
E4Q.82. H4Q.82. 112.R.0	112	163	≈ 6.10	≈ 5.79
E4Q.82. H4Q.82. 125.R.0	125	175	≈ 6.12	≈ 5.81
E4Q.82.* H4Q.82.* 137.R.0	137	188	≈ 6.17	≈ 5.83
E4Q.82. H4Q.82. 150.R.0	150	200	≈ 6.24	≈ 5.87
E4Q.82. H4Q.82. 162.R.0	162	213	≈ 6.29	≈ 5.89
E4Q.82. H4Q.82. 175.R.0	175	225	≈ 6.32	≈ 5.90
E4Q.82.* H4Q.82.* 187.R.0	187	238	≈ 6.35	≈ 5.92
E4Q.82. H4Q.82. 200.R.0	200	250	≈ 6.44	≈ 5.97
E4Q.82. H4Q.82. 212.R.0	212	263	≈ 6.49	≈ 5.99
E4Q.82.* H4Q.82.* 225.R.0	225	275	≈ 6.50	≈ 6.00
E4Q.82. H4Q.82. 237.R.0	237	288	≈ 6.53	≈ 6.01
E4Q.82. H4Q.82. 250.R.0	250	300	≈ 6.57	≈ 6.03
E4Q.82. H4Q.82. 262.R.0	262	313	≈ 6.62	≈ 6.05
E4Q.82. H4Q.82. 275.R.0	275	325	≈ 6.66	≈ 6.08
E4Q.82.* H4Q.82.* 287.R.0	287	338	≈ 6.71	≈ 6.10
E4Q.82. H4Q.82. 300.R.0	300	350	≈ 6.75	≈ 6.12
E4Q.82.* H4Q.82.* 312.R.0	312	363	≈ 6.80	≈ 6.14
E4Q.82.* H4Q.82.* 325.R.0	325	375	≈ 6.84	≈ 6.17
E4Q.82. H4Q.82. 337.R.0	337	388	≈ 6.89	≈ 6.19
E4Q.82.* H4Q.82.* 350.R.0	350	400	≈ 6.93	≈ 6.21

Part No. e-chains®	Bi [mm]	Ba [mm]	E4Q.82 [kg/m]	H4Q.82 [kg/m]
E4Q.82. H4Q.82. 362.R.0	362	413	≈ 6.97	≈ 6.23
E4Q.82.* H4Q.82.* 375.R.0	375	425	≈ 7.02	≈ 6.25
E4Q.82.* H4Q.82.* 387.R.0	387	438	≈ 7.07	≈ 6.28
E4Q.82.* H4Q.82.* 400.R.0	400	450	≈ 7.11	≈ 6.30
E4Q.82.* H4Q.82.* 412.R.0	412	463	≈ 7.15	≈ 6.32
E4Q.82.* H4Q.82.* 425.R.0	425	475	≈ 7.20	≈ 6.35
E4Q.82.* H4Q.82.* 437.R.0	437	488	≈ 7.24	≈ 6.37
E4Q.82.* H4Q.82.* 450.R.0	450	500	≈ 7.29	≈ 6.39
E4Q.82.* H4Q.82.* 462.R.0	462	513	≈ 7.33	≈ 6.41
E4Q.82.* H4Q.82.* 475.R.0	475	525	≈ 7.38	≈ 6.43
E4Q.82.* H4Q.82.* 487.R.0	487	538	≈ 7.42	≈ 6.46
E4Q.82.* H4Q.82.* 500.R.0	500	550	≈ 7.47	≈ 6.48
E4Q.82.* H4Q.82.* 512.R.0	512	563	≈ 7.51	≈ 6.50
E4Q.82.* H4Q.82.* 525.R.0	525	575	≈ 7.56	≈ 6.52
E4Q.82.* H4Q.82.* 537.R.0	537	588	≈ 7.60	≈ 6.54
E4Q.82.* H4Q.82.* 550.R.0	550	600	≈ 7.65	≈ 6.57
E4Q.82.* H4Q.82.* 562.R.0	562	613	≈ 7.68	≈ 6.59
E4Q.82.* H4Q.82.* 575.R.0	575	625	≈ 7.72	≈ 6.60
E4Q.82.* H4Q.82.* 587.R.0	587	638	≈ 7.68	≈ 6.59
E4Q.82.* H4Q.82.* 600.R.0	600	650	≈ 7.74	≈ 6.61

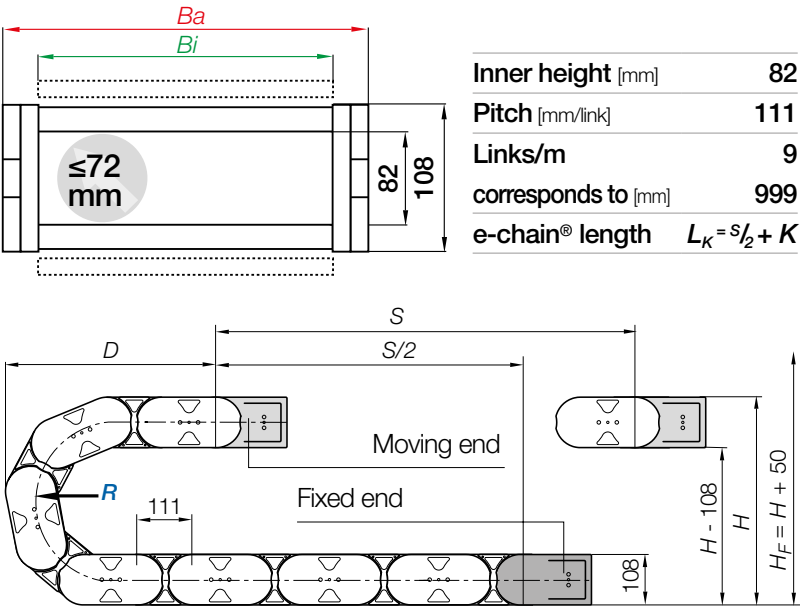
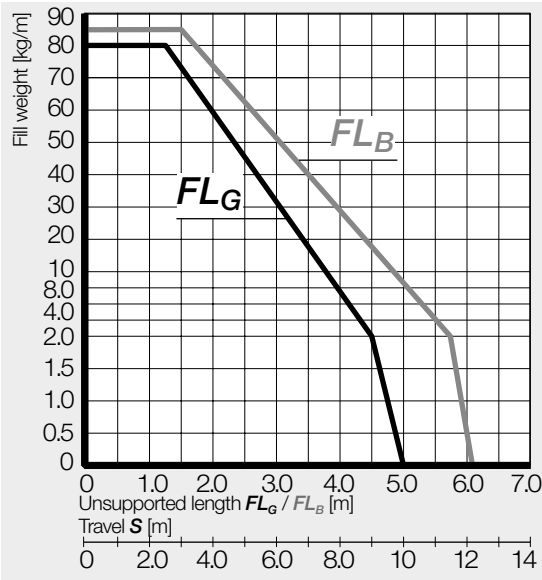
*Width available upon request. Please consult igus® for delivery time.

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:

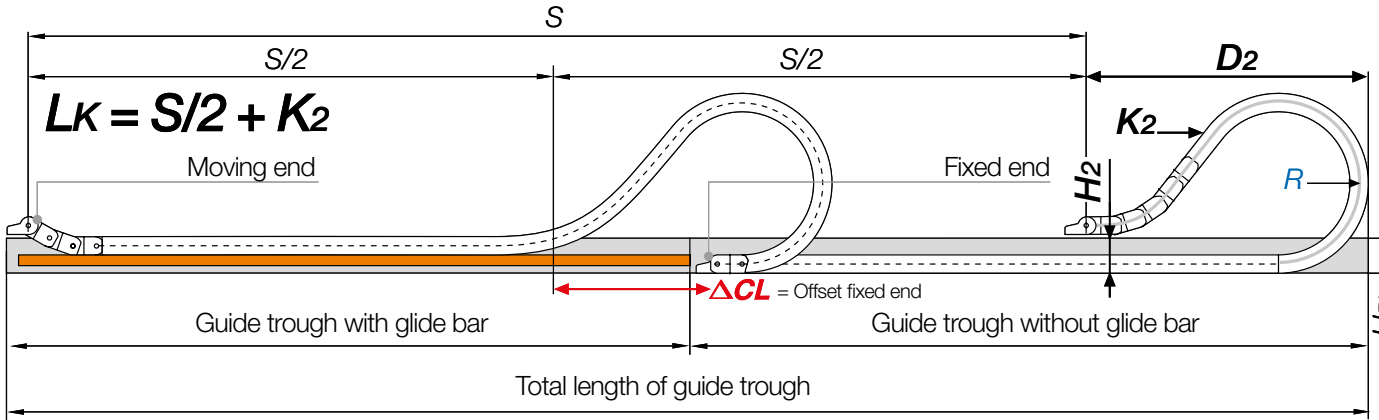
E4Q.82.125.150.0 = crossbars every link / E4Q.82.125.150.0 = crossbars every 2nd link



R	150	175	200	250	300	350	400	450	500	600	1,000
H	408	458	508	608	708	808	908	1,008	1108	1308	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

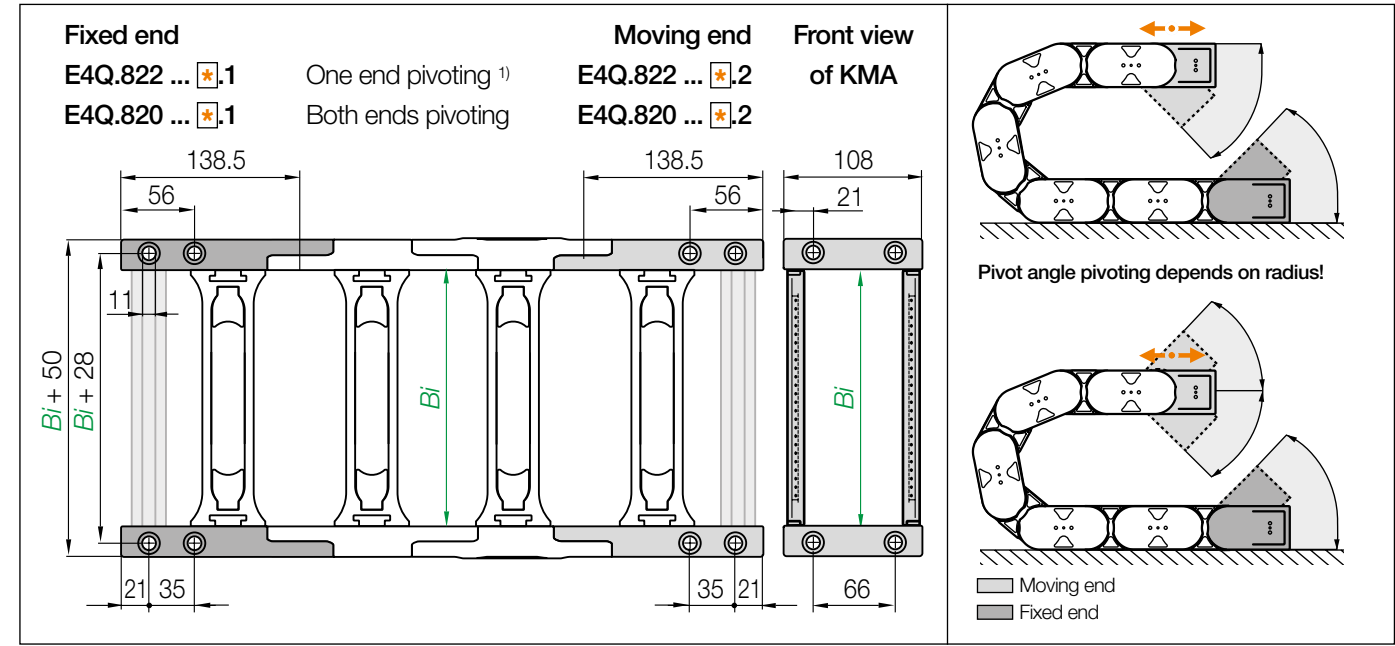
The required clearance height: $H_F = H + 50\text{mm}$ (with 3.0kg/m fill weight)

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	1850	2,100	2,500	–
K ₂	890	1,000	1,330	1,665	2,000	2,330	2,660	3000	3,440	4,100	–
ΔCL	189	289	389	539	689	889	989	1,189	1,389	1,689	–



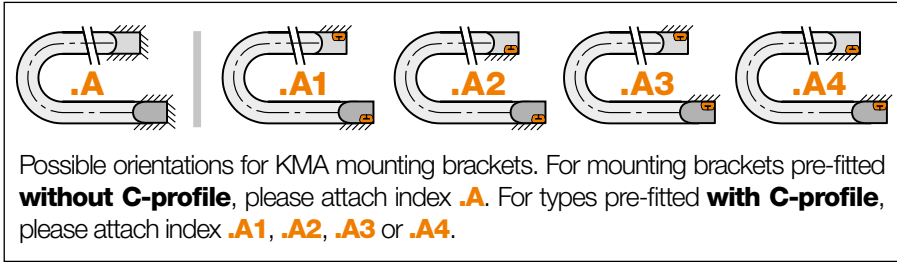
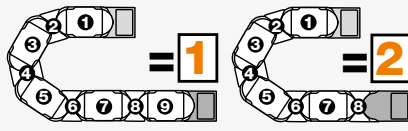
One end pivoting ¹⁾ | Recommended for unsupported, vertical hanging, standing applications
Both ends pivoting | Recommended for gliding applications

Part No. KMA full set			
Width index	One end pivoting ¹⁾	Both ends pivoting	<i>Bi</i> [mm]
100. ▶	E4Q.822.100 .12.C	E4Q.820.100 .12.C	100
112. ▶	E4Q.822.112 .12.C	E4Q.820.112 .12.C	112
125. ▶	E4Q.822.125 .12.C	E4Q.820.125 .12.C	125
137. ▶	E4Q.822.137 .12.C**	E4Q.820.137 .12.C**	137
150. ▶	E4Q.822.150 .12.C	E4Q.820.150 .12.C	150
162. ▶	E4Q.822.162 .12.C	E4Q.820.162 .12.C	162
175. ▶	E4Q.822.175 .12.C	E4Q.820.175 .12.C	175
187. ▶	E4Q.822.187 .12.C**	E4Q.820.187 .12.C**	187
200. ▶	E4Q.822.200 .12.C	E4Q.820.200 .12.C	200
212. ▶	E4Q.822.212 .12.C	E4Q.820.212 .12.C	212
225. ▶	E4Q.822.225 .12.C**	E4Q.820.225 .12.C**	225
237. ▶	E4Q.822.237 .12.C	E4Q.820.237 .12.C	237
250. ▶	E4Q.822.250 .12.C	E4Q.820.250 .12.C	250
262. ▶	E4Q.822.262 .12.C	E4Q.820.262 .12.C	262
275. ▶	E4Q.822.275 .12.C	E4Q.820.275 .12.C	275
287. ▶	E4Q.822.287 .12.C**	E4Q.820.287 .12.C**	287
300. ▶	E4Q.822.300 .12.C	E4Q.820.300 .12.C	300
312. ▶	E4Q.822.312 .12.C**	E4Q.820.312 .12.C**	312
325. ▶	E4Q.822.325 .12.C**	E4Q.820.325 .12.C**	325
337. ▶	E4Q.822.337 .12.C	E4Q.820.337 .12.C	337
350. ▶	E4Q.822.350 .12.C**	E4Q.820.350 .12.C**	350

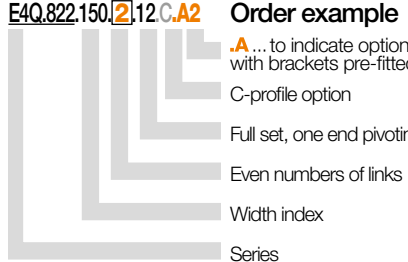
1) One end pivoting - standard for E4Q mounting brackets. For the C-profile option please add index **.C**.

**Width available upon request. Please consult igus® for delivery time. (KMA = polymer metal mounting bracket)

Note: The e-chains® may end with either an inner or an outer side link. An outer side link should always be the first e-chain® link at the moving end. Please specify the index **1** (for odd) or **2** (for even) depending on an even or odd number of links required.



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**.



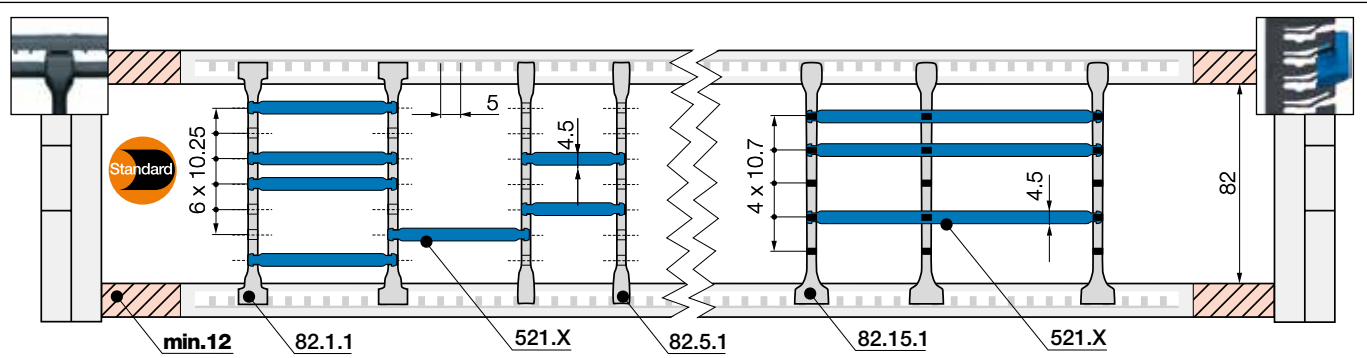
Strain relief e.g. clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1392

Steel support tray for support of the lower run

- Simple one-piece support trays for the lower run
- To your requirements and specification
- 4 options available

More information ▶ From page 1356





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!



Standard separator, wide base

unassembled	82.1
assembled	82.1.1

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



Notch separator for notched crossbar

unassembled	82.5
assembled	82.5.1

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



Lean notch separator¹⁾

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-chains®!



Shelf, lockable

unassembled	520.X
assembled	521.X

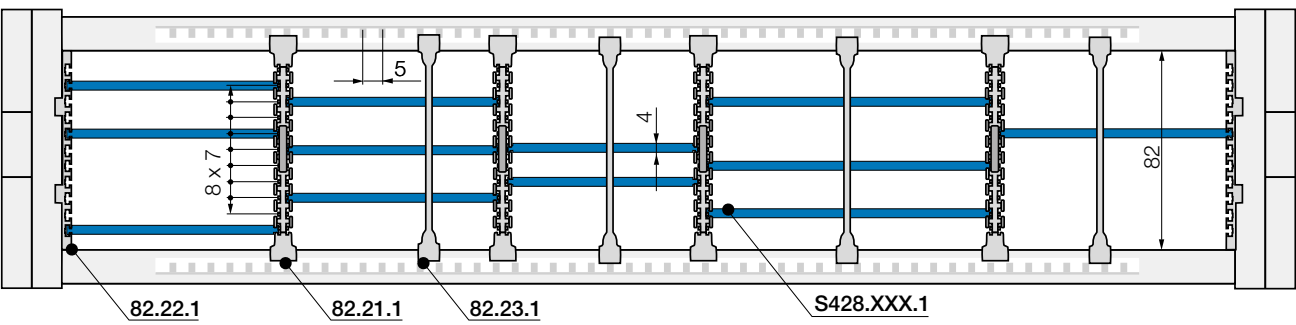
Horizontal separation
Full-width shelf locks securely into separators at both ends, giving a fixed width. Can be used as full-width or partial shelf.

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	521.300
	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!



Universal middle plate

unassembled	82.21
assembled	82.21.1

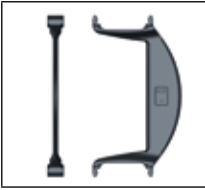
Universal middle plates
The shelves can be inserted from both sides. The shelves are locked in place by means of the integrated slider and additionally when the crossbar is fitted. For unlocking, the crossbar must be removed - on the inner or outer radius.



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.



Separator

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.



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		
	XXX [mm]	unassembled	assembled	XXX [mm]	unassembled	assembled	XXX [mm]	unassembled	assembled
	018*	S428.018	S428.018.1	050 ¹⁾	S428.050	S428.050.1	108*	S428.108	S428.108.1
	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.