

Extremely low noise and vibration

80



e-chains® | Series E6.80L | Crossbars removable along the inner and outer radius

Part No.	Bi	Ba	E6.80L	Part No.	Bi	Ba	E6.80L
e-chains®	[mm]	[mm]	[kg/m]	e-chains®	[mm]	[mm]	[kg/m]
E6.80L. 08. R.0	87	115	3.28	E6.80L. 32. R.0	325	353	4.38
E6.80L. 10. R.0	100	128	3.33	E6.80L. 33. R.0	337	365	4.44
E6.80L. 11. R.0	112	140	3.38	E6.80L. 35. R.0	350	378	4.50
E6.80L. 12. R.0	125	153	3.43	E6.80L. 36. R.0	362	390	4.56
E6.80L. 13. R.0	137	165	3.49	E6.80L. 37. R.0	375	403	4.62
E6.80L. 15. R.0	150	178	3.55	E6.80L. 38. R.0	387	415	4.68
E6.80L. 16. R.0	162	190	3.61	E6.80L. 40. R.0	400	428	4.74
E6.80L. 17. R.0	175	203	3.67	E6.80L. 41. R.0	412	440	4.80
E6.80L. 18. R.0	187	215	3.73	E6.80L. 42. R.0	425	453	4.85
E6.80L. 20. R.0	200	228	3.79	E6.80L. 43. R.0	437	465	4.92
E6.80L. 21. R.0	212	240	3.85	E6.80L. 45. R.0	450	478	5.03
E6.80L. 22. R.0	225	253	3.91	E6.80L. 46. R.0	462	490	5.09
E6.80L. 23. R.0	237	265	3.97	E6.80L. 47. R.0	475	503	5.15
E6.80L. 25. R.0	250	278	4.02	E6.80L. 48. R.0	487	515	5.21
E6.80L. 26. R.0	262	290	4.09	E6.80L. 50. R.0	500	528	5.27
E6.80L. 27. R.0	275	303	4.14	E6.80L. 51. R.0	512	540	5.33
E6.80L. 28. R.0	287	315	4.20	E6.80L. 52. R.0	525	553	5.39
E6.80L. 30. R.0	300	328	4.26	E6.80L. 53. R.0	537	565	5.45
E6.80L. 31. R.0	312	340	4.32	E6.80L. 55. R.0	550	578	5.51

Available bend radii

R [mm] | 150 | 175 | 200 | 250 | 300 |

Complete Part No. with required radius (R). Example: E6.80L.10.175.0

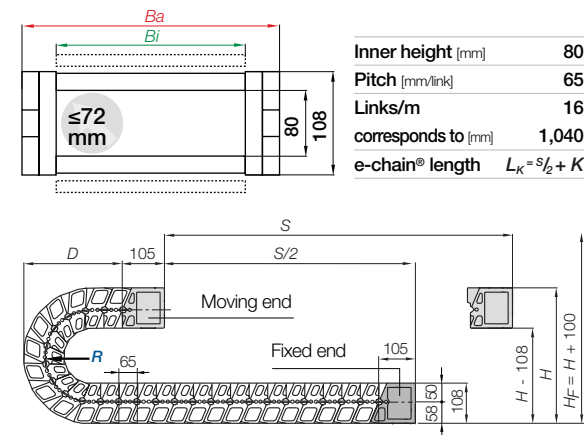
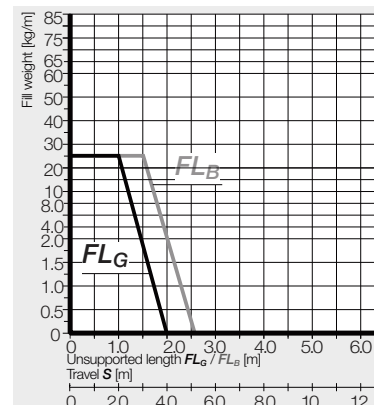


Installation note - system E6

To open, insert the screwdriver into the locking mechanism and prise it open. Repeat the procedure on the other side.

An assembly video is available online at ► www.igus.eu/E6_assembly

Unsupported applications | Short travels



R	150	175	200	250	300
H	516	566	616	716	816
D	306	331	356	406	456
K	605	680	760	915	1,075

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

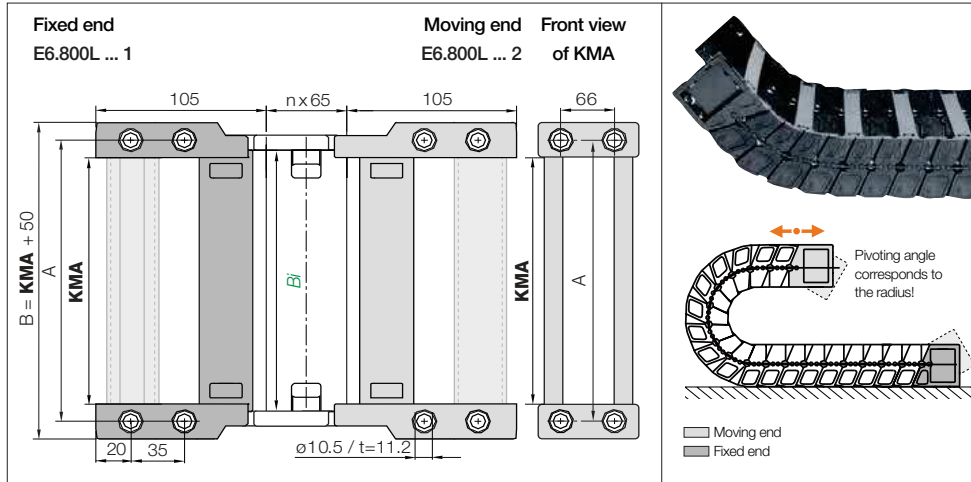
i If a gliding application is required for a long travel, please consult igus®.

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

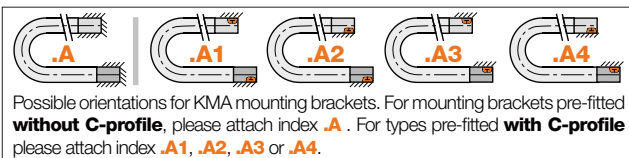




KMA pivoting | Recommended for unsupported applications

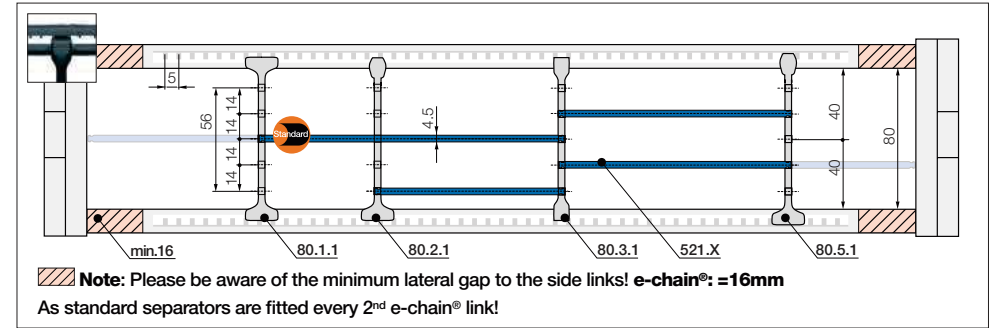
Width index	Part No. Full set KMA pivoting	A [mm]	KMA [mm]	Width index	Part No. Full set KMA pivoting	A [mm]	KMA [mm]
08.	E6.800L.08. 12.C	103	75	32.	E6.800L.32. 12.C	340	312
10.	E6.800L.10. 12.C	115	87	33.	E6.800L.33. 12.C	353	325
11.	E6.800L.11. 12.C	128	100	35.	E6.800L.35. 12.C	365	337
12.	E6.800L.12. 12.C	140	112	36.	E6.800L.36. 12.C	378	350
13.	E6.800L.13. 12.C	153	125	37.	E6.800L.37. 12.C	390	362
15.	E6.800L.15. 12.C	165	137	38.	E6.800L.38. 12.C	403	375
16.	E6.800L.16. 12.C	178	150	40.	E6.800L.40. 12.C	415	387
17.	E6.800L.17. 12.C	190	162	41.	E6.800L.41. 12.C	428	400
18.	E6.800L.18. 12.C	203	175	42.	E6.800L.42. 12.C	440	412
20.	E6.800L.20. 12.C	215	187	43.	E6.800L.43. 12.C	453	425
21.	E6.800L.21. 12.C	228	200	45.	E6.800L.45. 12.C	465	437
22.	E6.800L.22. 12.C	240	212	46.	E6.800L.46. 12.C	478	450
23.	E6.800L.23. 12.C	253	225	47.	E6.800L.47. 12.C	490	462
25.	E6.800L.25. 12.C	265	237	48.	E6.800L.48. 12.C	503	475
26.	E6.800L.26. 12.C	278	250	50.	E6.800L.50. 12.C	515	487
27.	E6.800L.27. 12.C	290	262	51.	E6.800L.51. 12.C	528	500
28.	E6.800L.28. 12.C	303	275	52.	E6.800L.52. 12.C	540	512
30.	E6.800L.30. 12.C	315	287	53.	E6.800L.53. 12.C	553	525
31.	E6.800L.31. 12.C	328	300	55.	E6.800L.55. 12.C	565	537

(KMA = polymer metal mounting bracket) For the C-profile option please add index .C



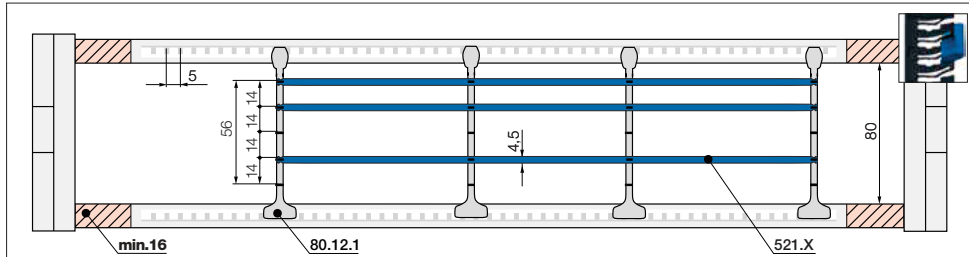
Strain relief e.g. clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ► From page 1392

Previous generation of interior separation with other options ► www.igus.eu/E6.80L



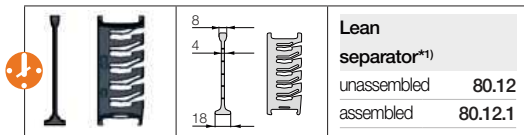
		Standard separator, wide base unassembled 80.1 assembled 80.1.1	Standard - for any application Separator with a wide base for maximum holding force.
		Separator, narrow top unassembled 80.2 assembled 80.2.1	
		Separator, narrow unassembled 80.3 assembled 80.3.1	For even faster installation Wide on one side for high holding force, narrow on opposite side for easy cable fitting.
		Notch separator for notched crossbar unassembled 80.5 assembled 80.5.1	For a large number of thin cables Separator with a narrow base for a large number of thin cables side by side. Saves space.
		Shelf, lockable unassembled 520.X assembled 521.X	Locks securely in preset increments Notch separator for exact positioning. Recommended for side-mounted applications.
		Shelves Width = X [mm]	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.

X [mm]	unassembled		assembled		X [mm]	unassembled		assembled	
	part no.	part no.	part no.	part no.		part no.	part no.	part no.	part no.
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	



Note: Please be aware of the minimum lateral gap to the side links! **e-chain®: =16mm**

As standard separators are fitted every 2nd e-chain® link!



Lean separators*1)

For quick fitting of shelves in several layers. **1) Note:** Please combine maximum 4 lean separators with one shelf. Not suitable for side-mounted e-chains*!

*Only suitable for e-chains®



With the lean 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 interior separation - measured

on a 4m long e-chain® fitted with 12 cables in the igus® lab



The E6 system is one of the best ways to guide energy, data and media safely and with very low vibration on printers and plotters