

e-chains® Series E6.40 Crossbars removable along the inner and outer radius
e-tubes Series R6.40 Lids removable along the inner and outer radius

Part No.	Part No.	Bi	Ba	E6.40	R6.40	Part No.	Part No.	Bi	Ba	E6.40	R6.40
e-chains®	e-tubes	[mm]	[mm]	[kg/m]	[kg/m]	e-chains®	e-tubes	[mm]	[mm]	[kg/m]	[kg/m]
E6.40. 040.R.0	R6.40. 040.R.0*	40	60	≈ 1.29	-	E6.40. 125.R.0	R6.40. 125.R.0*	125	145	≈ 1.63	-
E6.40. 050.R.0	R6.40. 050.R.0*	50	70	≈ 1.33	-	E6.40. 150.R.0	R6.40. 150.R.0*	150	170	≈ 1.73	-
E6.40. 052.R.0	R6.40. 052.R.0*	52	72	≈ 1.34	-	E6.40. 175.R.0	R6.40. 175.R.0*	175	195	≈ 1.83	-
E6.40. 062.R.0	R6.40. 062.R.0	62	82	≈ 1.38	≈ 1.59	E6.40. 200.R.0	R6.40. 200.R.0*	200	220	≈ 1.93	-
E6.40. 070.R.0	R6.40. 070.R.0*	70	90	≈ 1.41	-	E6.40. 225.R.0	R6.40. 225.R.0*	225	245	≈ 2.02	-
E6.40. 075.R.0	R6.40. 075.R.0*	75	95	≈ 1.43	-	E6.40. 250.R.0	R6.40. 250.R.0*	250	270	≈ 2.12	-
E6.40. 087.R.0	R6.40. 087.R.0*	87	107	≈ 1.48	-	E6.40. 275.R.0	R6.40. 275.R.0*	275	295	≈ 2.22	-
E6.40. 100.R.0	R6.40. 100.R.0*	100	120	≈ 1.53	-	E6.40. 300.R.0	R6.40. 300.R.0*	300	320	≈ 2.32	-

*Width available upon request. Delivery time upon request.

Available bend radii

R [mm] | 063 | 075 | 100 | 125 | 150 | 200 |

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

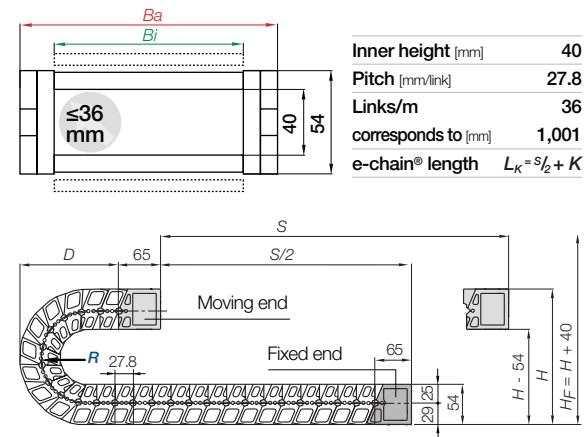
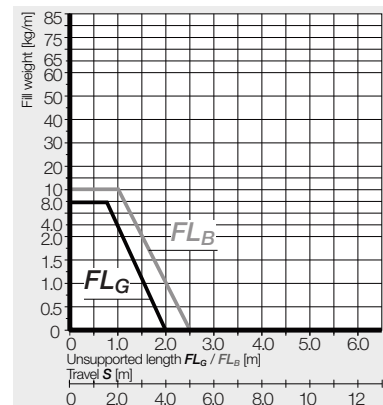
E6.40.62.100.0 = e-chain® / R6.40.62.100.0 = e-tube



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



R	063	075	100	125	150	200
H	224	248	298	348	398	498
D	134	146	171	196	221	271
K	255	295	370	450	530	685

The required clearance height: $H_F = H + 40\text{mm}$ (with 2.0kg/m fill weight)

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

Aluminium support tray

- Corrosion-resistant and seawater-resistant aluminium rails with adjustable width
- Noise-reducing glide strip integrated as standard
- Easy installation and connection of the e-chain®
- Open design - dirt and debris fall through

More information ► From page 1362

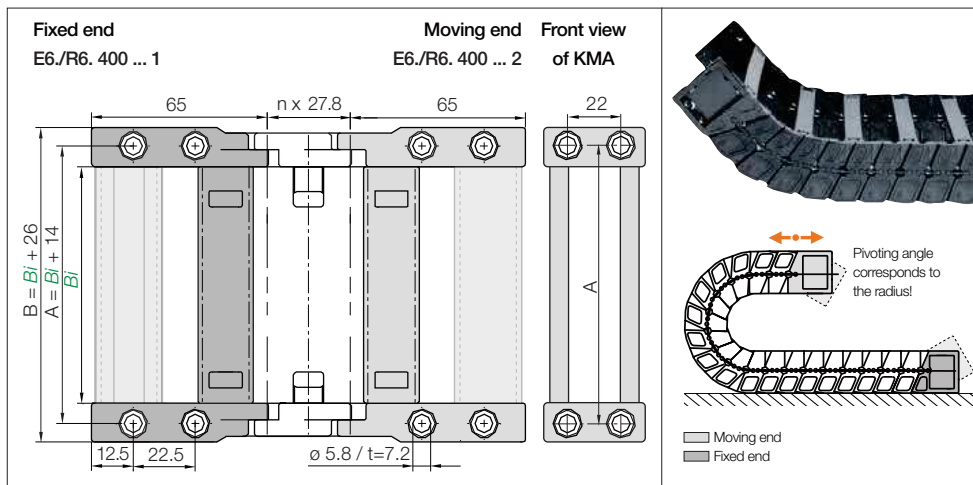


Steel support tray for support of the lower run

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

More information ► From page 1356



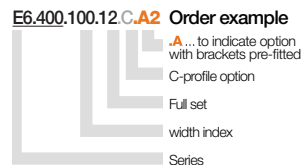
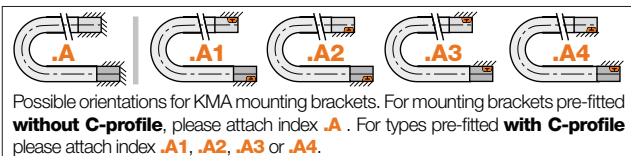


KMA pivoting | Recommended for unsupported applications

Width index	Part No. Full set KMA pivoting	A [mm]	B [mm]	B_i [mm]	Width index	Part No. Full set KMA pivoting	A [mm]	B [mm]	B_i [mm]
040.	E6.400. R6.400.* 040.12.C	54	66	40	125.	E6.400. R6.400.* 125.12.C	139	151	125
050.	E6.400. R6.400.* 050.12.C	64	76	50	150.	E6.400. R6.400.* 150.12.C	154	176	150
052.	E6.400. R6.400.* 052.12.C	66	78	52	175.	E6.400. R6.400.* 175.12.C	189	201	175
062.	E6.400. R6.400.* 062.12.C	76	88	62	200.	E6.400. R6.400.* 200.12.C	214	226	200
070.	E6.400. R6.400.* 070.12.C	84	96	70	225.	E6.400. R6.400.* 225.12.C	239	251	225
075.	E6.400. R6.400.* 075.12.C	89	101	75	250.	E6.400. R6.400.* 250.12.C	264	276	250
087.	E6.400. R6.400.* 087.12.C	101	113	87	275.	E6.400. R6.400.* 275.12.C	289	301	275
100.	E6.400. R6.400.* 100.12.C	114	126	100	300.	E6.400. R6.400.* 300.12.C	314	326	300

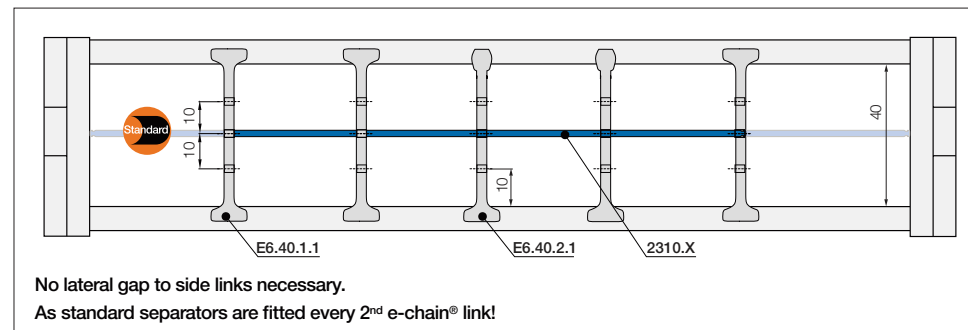
*Width available upon request. Delivery time upon request.

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



Strain relief e.g. clamps, tie-wrap 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/E6.40



Standard separator, wide base

unassembled E6.40.1
assembled E6.40.1.1

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

Separator, narrow top

unassembled E6.40.2
assembled E6.40.2.1

For even faster installation
Wide on one side for high holding force, narrow on opposite side for easy cable fitting.

Shelf, lockable

unassembled 2300.X
assembled 2310.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
015	2300.015	2310.015	060	2300.060	2310.060	087	2300.87	2310.087
025	2300.025	2310.025	062	2300.062	2310.062	090	2300.90	2310.090
030	2300.030	2310.030	065	2300.065	2310.065	100	2300.100	2310.100
038	2300.038	2310.038	070	2300.070	2310.070	103	2300.103	2310.103
040	2300.040	2310.040	075	2300.075	2310.075	110	2300.110	2310.110
050	2300.050	2310.050	077	2300.077	2310.077	120	2300.120	2310.120
057	2300.057	2310.057	080	2300.080	2310.080	125	2300.125	2310.125

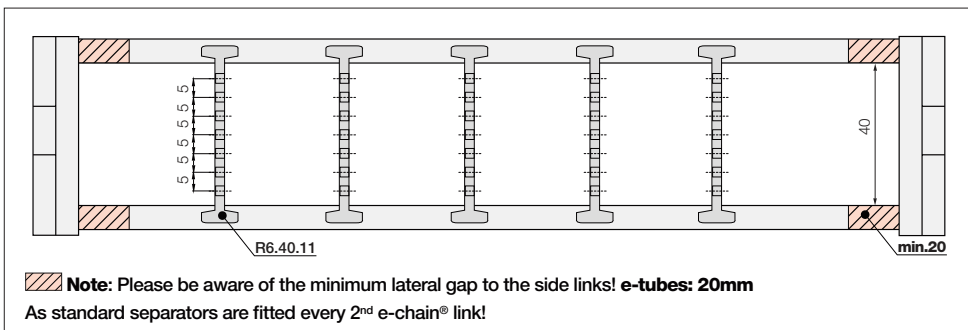
Separator with integrated strain relief teeth

- Can be integrated into the mounting bracket or placed at any point
- Combines strain relief and interior separation, for restricted space conditions
- Strain relief separator is easy to assemble without any screws

E6.40.02.Z - more information ▶ From page 1428

Interior separation | Only for e-tubes (e-chains® ► previous page)

Previous generation of interior separation with other options ► www.igus.eu/R6.40



Separator, for e-tubes
 unassembled R6.40.01
 assembled R6.40.11

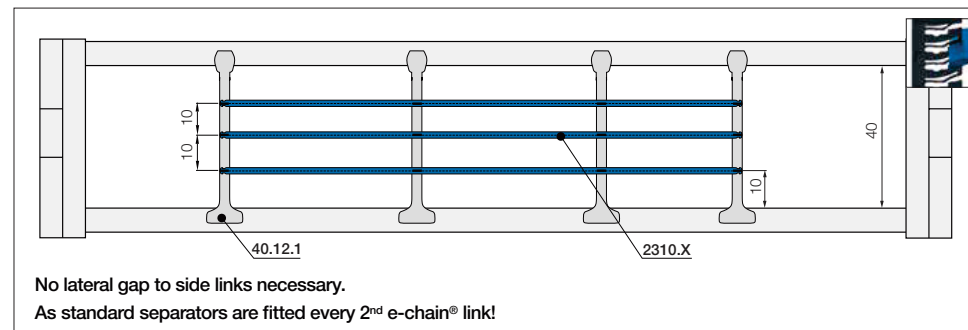
Separator for e-tubes
 Notches on the separator indicate the clamping side of the separator. The notches on this separator mark the side that fixes to the lid.

Full-width shelf for e-tubes
 unassembled 110.X
 assembled 111.X

Full-width shelf for e-tubes
 This option is for applications with many small cables with similar diameters for full-width separation.

Full-width shelves Width = X [mm]	X [mm]	unassembled	assembled	X [mm]	unassembled	assembled	X [mm]	unassembled	assembled
		030	110.30	111.30	070	110.70	111.70	110	110.110
	040	110.40	111.40	080	110.80	111.80	120	110.120	111.120
	050	110.50	111.50	090	110.90	111.90			
	060	110.60	111.60	100	110.100	111.100			

Interior separation | To allow faster filling

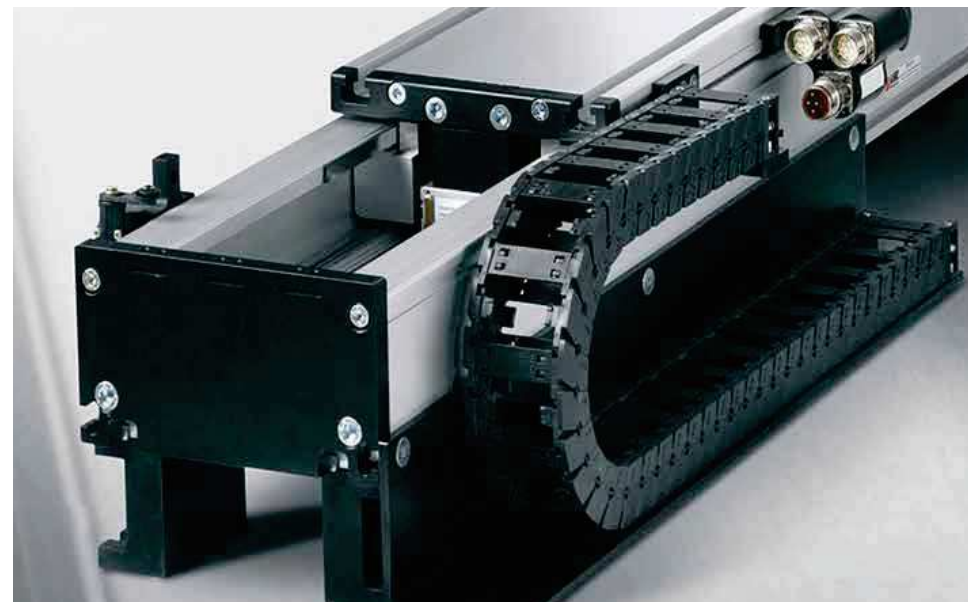


Lean separator*1)
 unassembled 40.12
 assembled 40.12.1

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



igus® system E6 on a linear drive for extremely high accelerations (over 10m/s²)