

Dynamic, quiet, light and cleanroom suitable

40



e-chains® | Series E61.40 | Crossbars removable along the inner and outer radius

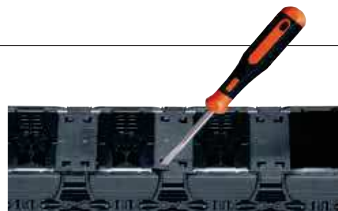
Part No.	<i>B_i</i>	<i>B_a</i>	E61.40	Part No.	<i>B_i</i>	<i>B_a</i>	E61.40
e-chains®	[mm]	[mm]	[kg/m]	e-chains®	[mm]	[mm]	[kg/m]
E61.40.040 R.0	40	56	≈ 0.913	E61.40.125 R.0	125	141	≈ 1.226
E61.40.050 R.0	50	66	≈ 0.950	E61.40.150 R.0	150	166	≈ 1.318
E61.40.052 R.0	52	68	≈ 0.957	E61.40.175 R.0	175	191	≈ 1.410
E61.40.062 R.0	62	78	≈ 0.994	E61.40.200 R.0	200	216	≈ 1.502
E61.40.070 R.0	70	86	≈ 1.023	E61.40.225 R.0	225	241	≈ 1.595
E61.40.075 R.0	75	91	≈ 1.042	E61.40.250 R.0	250	266	≈ 1.687
E61.40.087 R.0	87	103	≈ 1.086	E61.40.275 R.0	275	291	≈ 1.779
E61.40.100 R.0	100	116	≈ 1.134	E61.40.300 R.0	300	316	≈ 1.871

Available bend radii

R [mm] | 063 | 075 | 100 | 125 | 150 | 200 |Complete Part No. with required radius (*R*). Example E61.40.100.100.0

Installation note - system E6.1

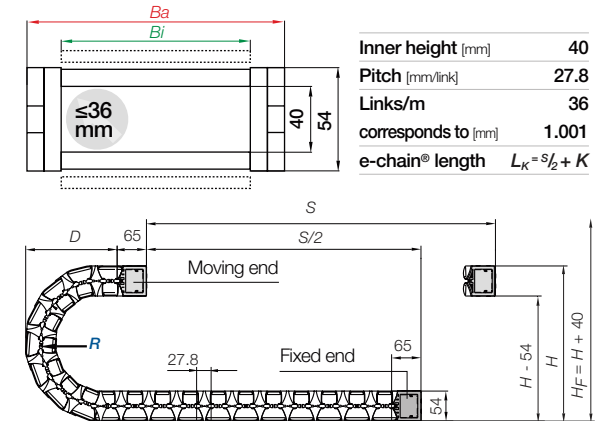
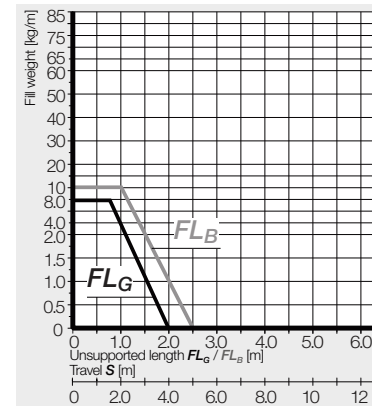
To open, insert the screwdriver into the locking mechanism and prise it open. Repeat the procedure on the other side.

An assembly video is available online at ► www.igus.eu/E61_assembly

Unsupported applications | Short travels



► 1392



Inner height [mm]	40
Pitch [mm/link]	27.8
Links/m	36
corresponds to [mm]	1.001
e-chain® length	$L_K = S/2 + K$

<i>R</i>	063	075	100	125	150	200
<i>H</i>	220	244	294	344	394	494
<i>D</i>	132	144	169	194	219	269
<i>K</i>	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

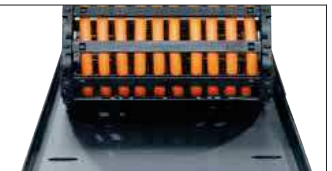
More information ► From page 1362

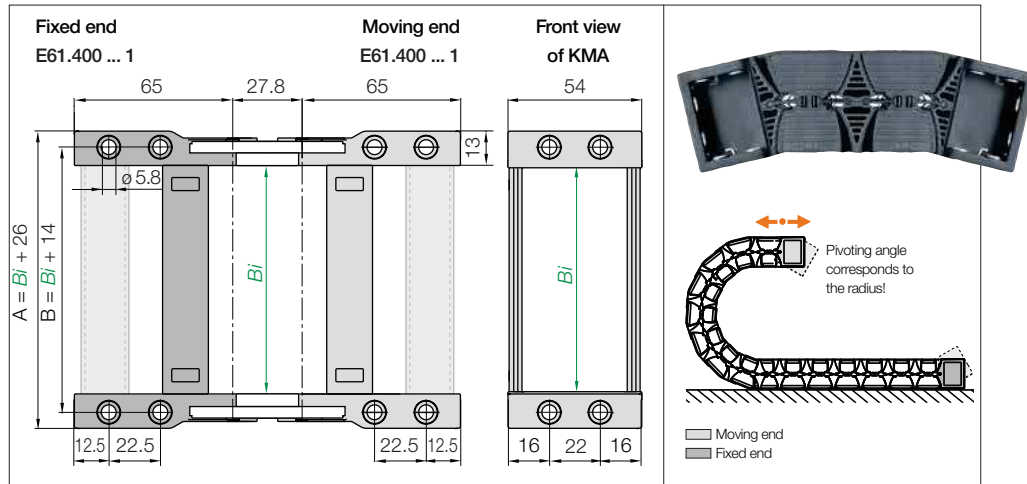


Steel support tray for support of the lower run

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

More information ► From page 1356

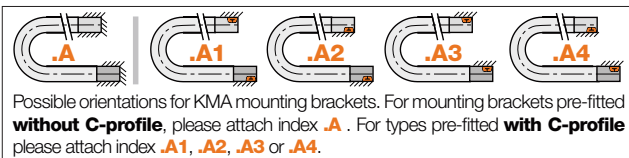




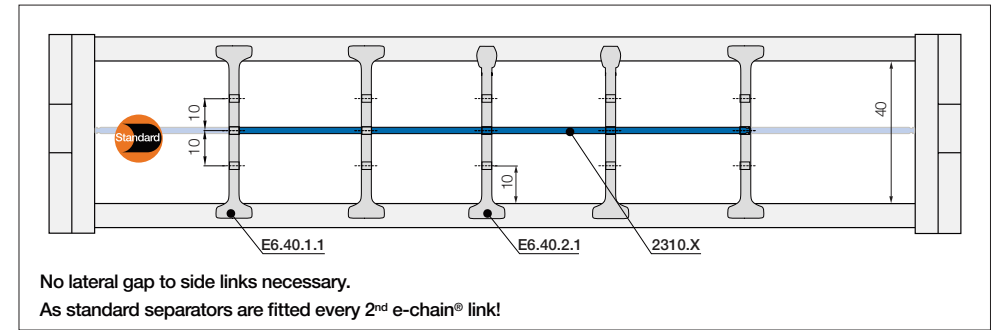
KMA pivoting | Recommended for unsupported applications

Width index	Part No. Full set KMA pivoting	A [mm]	B [mm]	Bi [mm]	Width index	Part No. Full set KMA pivoting	A [mm]	B [mm]	Bi [mm]
040.	E61.400.040.12.C	54	66	40	125.	E61.400.125.12.C	139	151	125
050.	E61.400.050.12.C	64	76	50	150.	E61.400.150.12.C	164	176	150
052.	E61.400.052.12.C	66	78	52	175.	E61.400.175.12.C	189	201	175
062.	E61.400.062.12.C	76	88	62	200.	E61.400.200.12.C	214	226	200
070.	E61.400.070.12.C	84	96	70	225.	E61.400.225.12.C	239	251	225
075.	E61.400.075.12.C	89	101	75	250.	E61.400.250.12.C	264	276	250
087.	E61.400.087.12.C	101	113	87	275.	E61.400.275.12.C	289	301	275
100.	E61.400.100.12.C	114	126	100	300.	E61.400.300.12.C	314	326	300

(KMA = polymer metal mounting bracket) For the C-profile option please add index .C. KMA mounting brackets are only available for an odd number of links.



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



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]

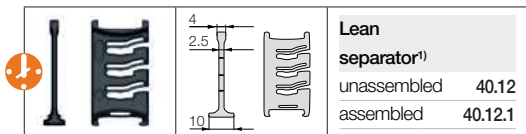
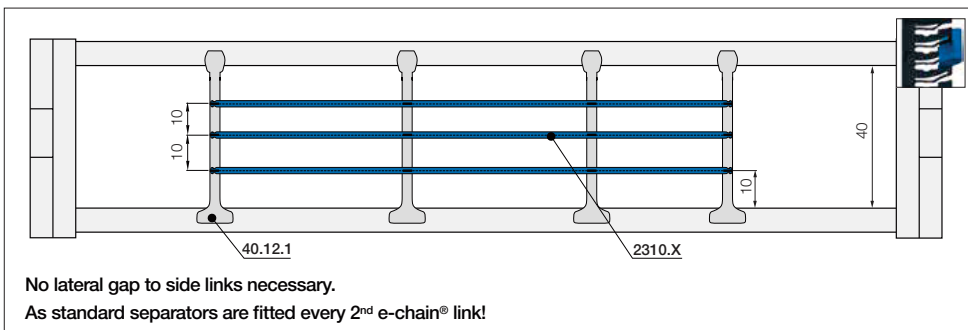
X [mm]	unassembled	assembled	X [mm]	unassembled	assembled	X [mm]	unassembled	assembled
015	2300.015	2310.015	060	2300.060	2310.060	087	2300.87	2310.087
025	2300.025	2310.025	062	2300.062	2310.062	090	2300.90	2310.090
030	2300.030	2310.030	065	2300.065	2310.065	100	2300.100	2310.100
038	2300.038	2310.038	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
- Part No. E6.40.02.Z - more information ► From page 1428



Interior separation | To allow faster filling

**Lean separators¹⁾**

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®!

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



Very small bend radii are possible with chainflex® CF98 control cable in this E6.1 readychain® system. It offers smooth operation and is suitable for cleanrooms