



e-chains® | Series E4.162 | Crossbars every link (crossbars removable along the inner and outer radius)

Part No.	<i>Bi</i>	<i>Ba</i>	E4.162
e-chains®	[mm]	[mm]	[kg/m]
E4.162 .20. R.0	200	256	≈ 10.45
E4.162 .25. R.0	250	306	≈ 10.74
E4.162 .30. R.0	300	356	≈ 10.99
E4.162 .32. R.0	325	381	≈ 11.02
E4.162 .35. R.0	350	406	≈ 11.21

Part No.	<i>Bi</i>	<i>Ba</i>	E4.162
e-chains®	[mm]	[mm]	[kg/m]
E4.162 .40. R.0	400	456	≈ 11.51
E4.162 .45. R.0	450	506	≈ 11.65
E4.162 .50. R.0	500	556	≈ 11.83
E4.162 .55. R.0	550	606	≈ 12.11
E4.162 .60. R.0	600	656	≈ 12.45

Available bend radii

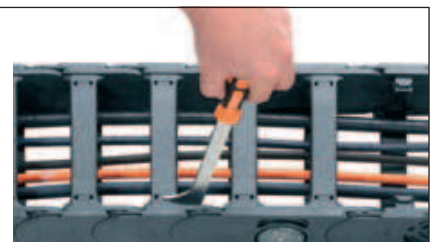
R [mm] | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 750 | 1.000 |

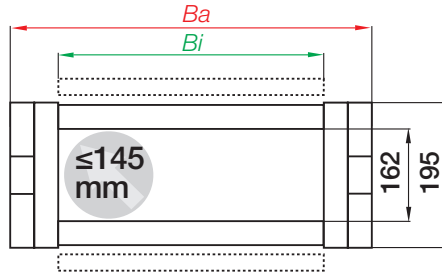
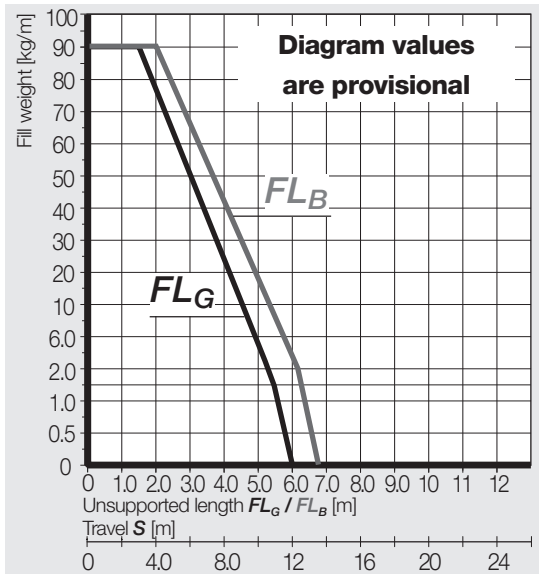
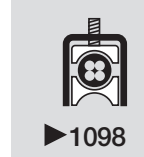
Complete Part No. with required radius (*R*). Example: E4.162.40.150.0 = crossbars every link

Reduce assembly time - E4 e-chain® opener

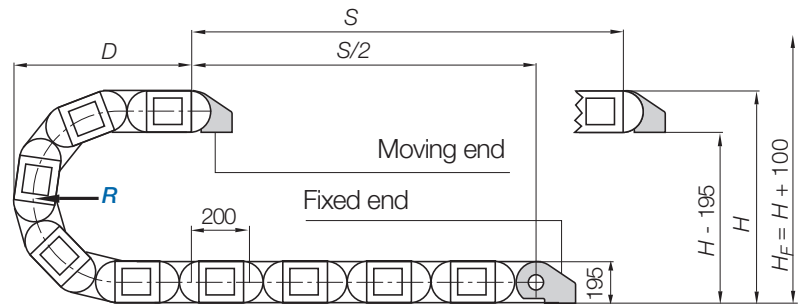
- e-chain® opener tools for easy opening and closing of e-chains®
- Simple opening and closing of crossbars
- Also for use in hard to reach locations
- Significant assembly time reduction

More information ► www.igus.eu/E4savetime





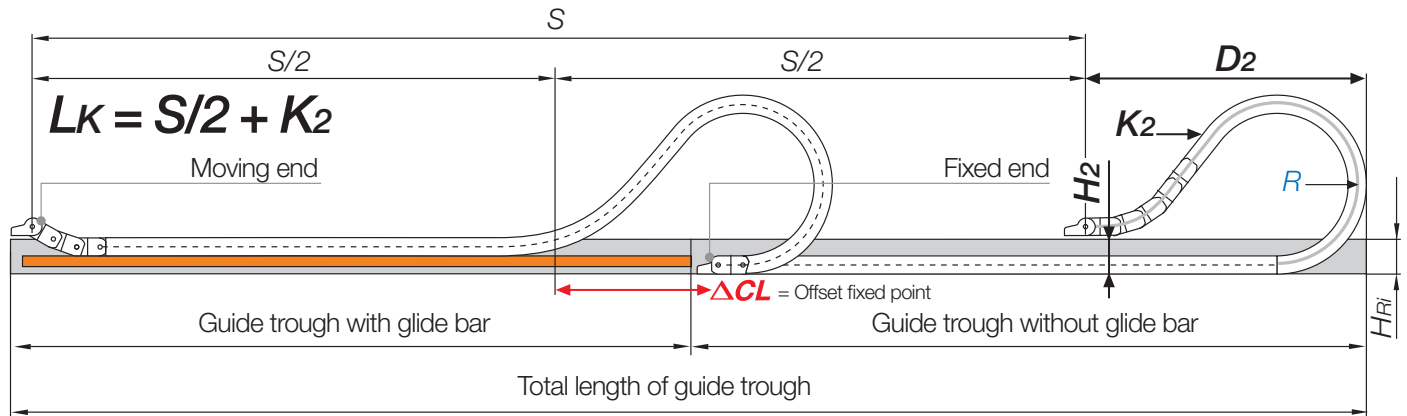
Inner height [mm]	162
Pitch [mm/link]	200
Links/m	5
corresponds to [mm]	1,000
Chain length	$L_K = S/2 + K$



R	250	300	350	400	450	500	550	600	750	1.000
H	700	800	900	1,000	1,100	1,200	1,300	1,400	1,700	2,200
D	648	698	748	798	848	898	948	998	1,148	1,398
K	1,190	1,345	1,500	1,660	1,815	1,975	2,130	2,285	2,760	3,545

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

Gliding applications | For long travels from 14 m to max. 450 m

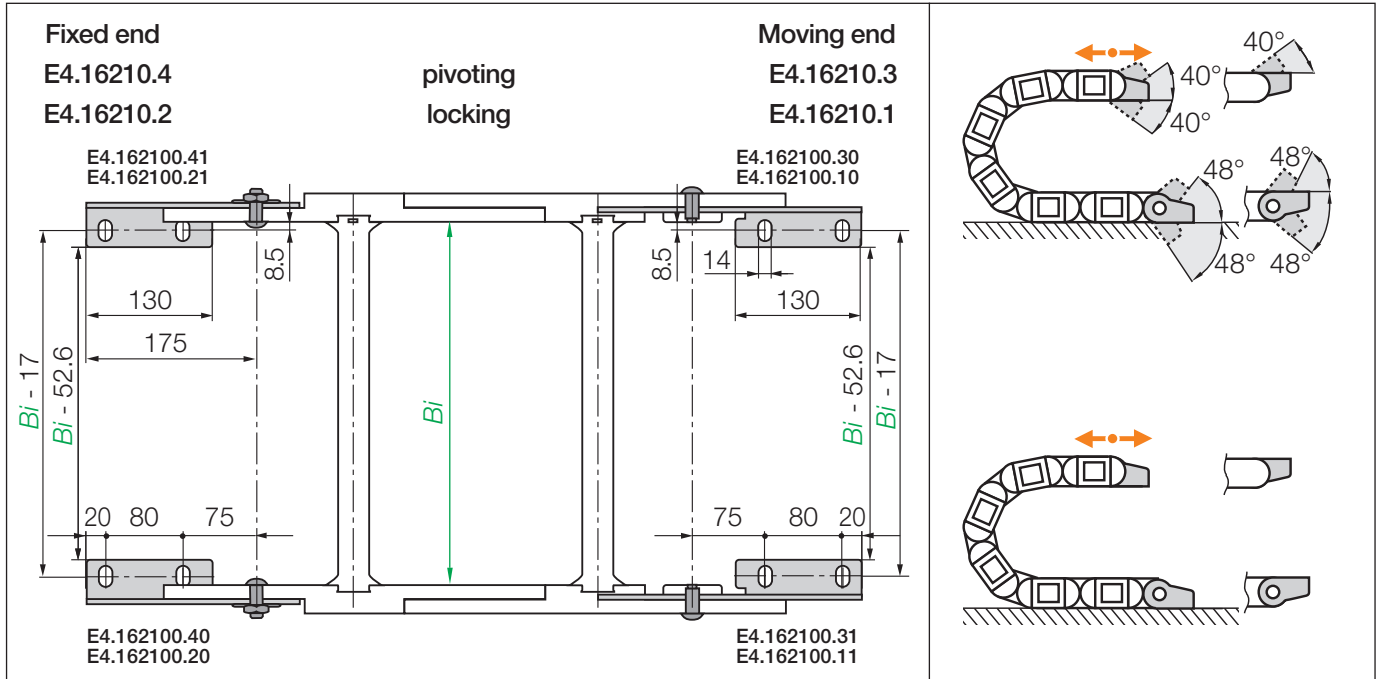


Note: We recommend the project planning of such a system to be carried out by igus®.

In case of travels between 12 and 14 m we recommend an e-chain® with a longer unsupported length.

R	250	300	350	400	450	500	550	600	750	1.000
H ₂	*	580	580	580	580	580	580	580	**	**
D ₂	*	950	1,050	1,350	1,600	1,950	2,050	2,400	**	**
K ₂	*	1,600	1,800	2,400	2,800	3,200	3,400	3,800	**	**
ΔCL	*	300	350	600	800	1,100	1,150	1,450	**	**

*Values such as unsupported applications **Values upon request



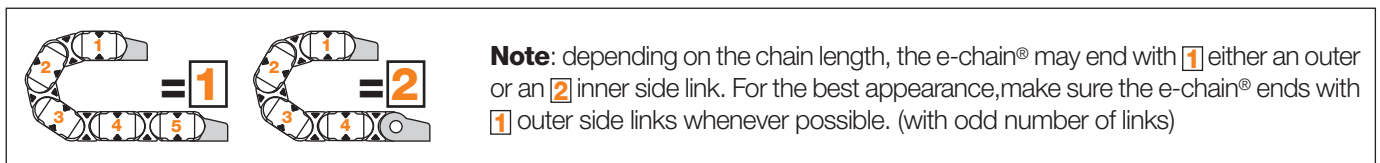
Steel pivoting | Recommended for unsupported, gliding and vertical standing applications
Steel locking | Recommended for unsupported, gliding, vertical hanging and vertical standing applications

Part No. full set	Description
steel pivoting	Mounting bracket
E4.16210.1.34.VS.E	Full set (both ends), ending with outer side link, screwed - standard
E4.16210.2.34.VS.E	Full set (both ends) - beginning with outer side link (moving end) - ending with inner side link (fixed end), screwed - standard

Stainless steel version available. Please add the index .E! (Material: stainless steel 1.4301)

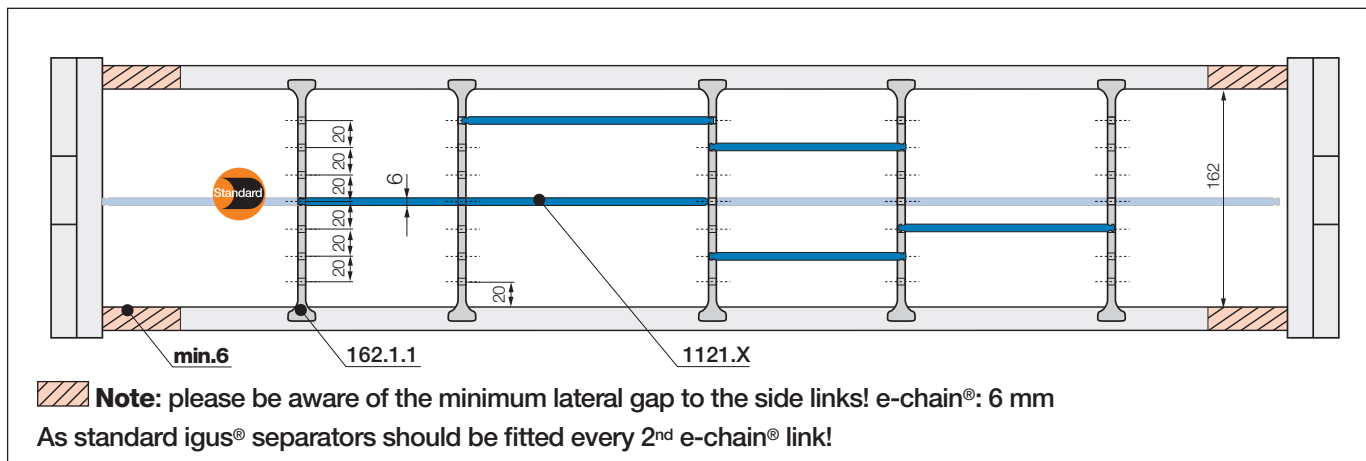
Part No. full set	Description
steel locking	Mounting bracket
E4.16210.1.12.VS.E	Full set (both ends), ending with outer side link, screwed - standard
E4.16210.2.12.VS.E	Full set (both ends) - beginning with outer side link (moving end) - ending with inner side link (fixed end), screwed - standard


Stainless steel version available. Please add the index .E! (Material: stainless steel 1.4301)



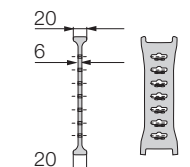
Strain relief e.g. clamps, tiwrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with ordering options ► From page 1098

Interior separation | Increase cable service life





Standard




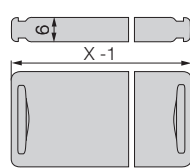
**Standard separator,
wide base**

unassembled	162.1
assembled	162.1.1

Standard - for any application

Separator with a wide base for maximum holding strength in the e-chain®.





**Shelf,
lockable**

unassembled	1120.X
assembled	1121.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	1120.050	1121.050	150	1120.150	1121.150	300	1120.300	1121.300
065	1120.065	1121.065	175	1120.175	1121.175	350	1120.350	1121.350
075	1120.075	1121.075	200	1120.200	1121.200	375	1120.375	1121.375
100	1120.100	1121.100	225	1120.225	1121.225	387	1120.387	1121.387
125	1120.125	1121.125	250	1120.250	1121.250	450	1120.450	1121.450