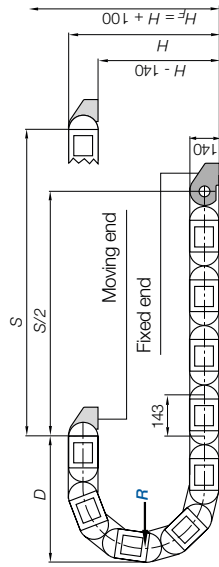
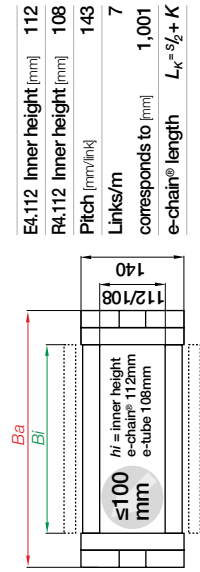
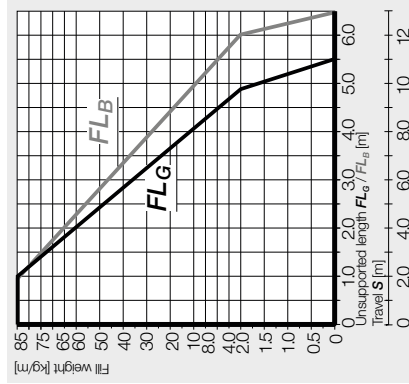


bars removable along the inner and outer radius)
along the outer radius, from one side)

e-tubes	Bi	Ba	E4.112 R4.112
	[mm]	[mm]	[kg/m] [kg/m]
2.28. R.0	287	339	≈ 8.88 –
2.30. R.0	300	352	$\approx 8.97 \approx 11.42$
2.31. R.0	312	364	≈ 9.00 –
2.32. R.0	325	377	≈ 9.06 –
2.33. R.0	337	389	≈ 9.14 –
2.35. R.0	350	402	$\approx 9.27 \approx 12.07$
2.36. R.0	362	414	≈ 9.21 –
2.37. R.0	375	427	≈ 9.27 –
2.38. R.0	387	439	≈ 9.35 –
2.40. R.0	400	452	$\approx 9.52 \approx 12.71$
2.41. R.0	412	464	≈ 9.47 –
2.42. R.0	425	477	≈ 9.66
2.43. R.0	437	489	≈ 9.56 –
2.45. R.0	450	502	≈ 9.77 –
2.46. R.0	462	514	≈ 9.74 –
2.47. R.0	475	527	≈ 9.76 –
2.48. R.0	487	539	≈ 9.92 –
2.50. R.0	500	552	$\approx 9.88 \approx 13.99$
2.51. R.0	512	564	≈ 9.92 –
2.52. R.0	525	577	≈ 10.03 –
2.53. R.0	537	589	≈ 10.09 –
2.55. R.0	550	602	≈ 10.36 –
2.60. R.0	600	652	≈ 10.51 –

7

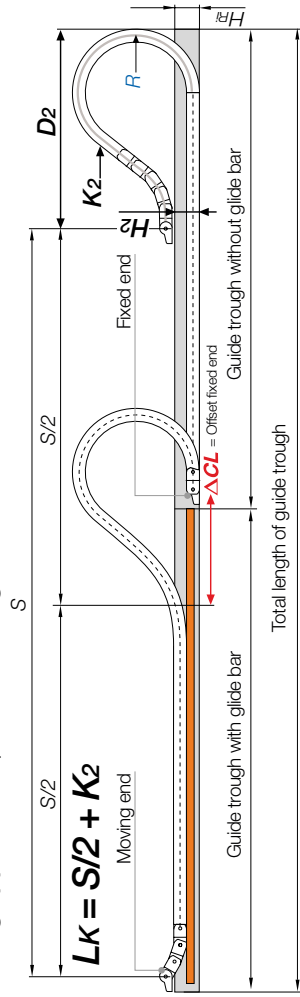


	200*	250**	300**	350	400	450	500	550	600	750	1,000
R											
H	545	645	745	845	945	1,045	1,145	1,245	1,345	1,645	2,145
D	415	465	515	565	615	665	715	765	815	965	1,215
K	915	1,075	1,230	1,390	1,545	1,700	1,860	2,015	2,175	2,645	3,430

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

*Radius not available for e-tubes **Radius available for e-tubes with technical limitations, upon request

Gliding applications | For travel lengths from 14m to max. 450m

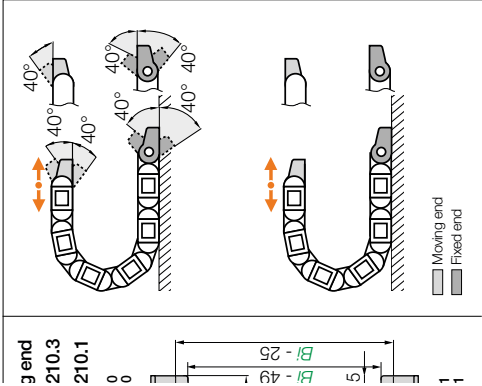


Note: We recommend the project planning of such a system to be carried out by igus®.

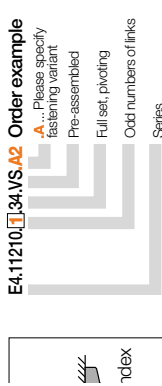
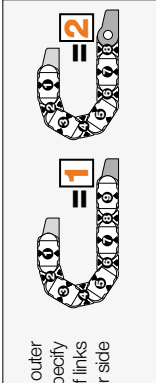
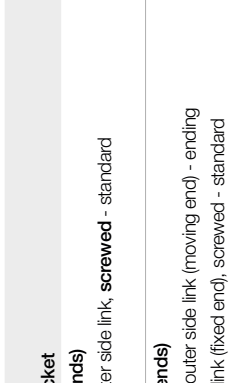
In case of travels between 11 and 14m we recommend an e-chain® with a longer unsupported length.

	R	200^*	250^{**}	300^{**}	350	400	450	500	550	600	750	$1,000$
H_2		325	325	325	325	325	325	325	325	325	—	—
D_2		900	1,000	1,100	1,250	1,450	1,600	1,700	1,900	2,050	—	—
K_2		1,573	1,716	1,859	2,288	2,574	2,860	3,146	3,432	3,861	—	—
Δ_{CL}		450	500	550	650	800	900	950	1,100	1,200	—	—

*Radius not available for e-tubes **Radius available for e-tubes with technical limitations, upon request

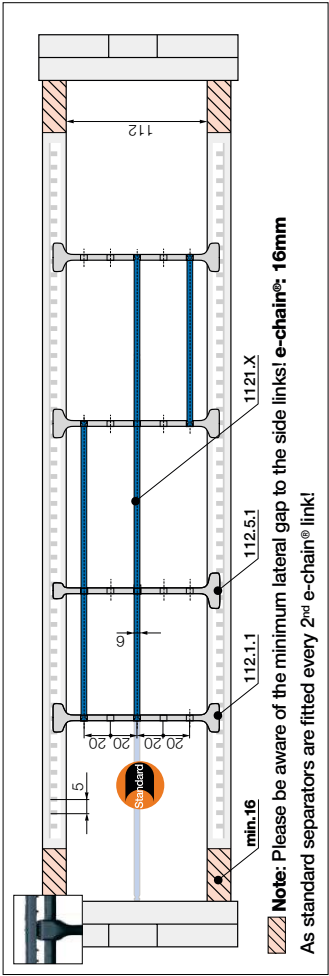


**sliding applications
and standing applications**



are available from stock. The complete

co.uk/R4.112



Standard - for any application

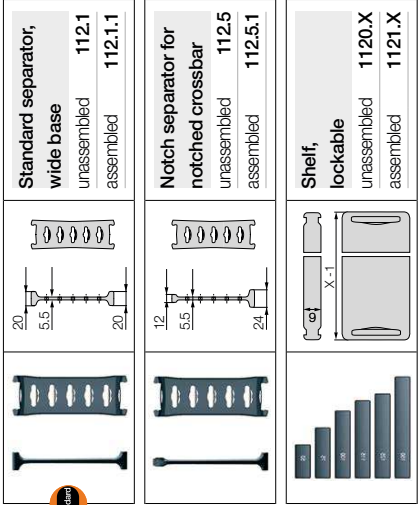
Separator with a wide base for maximum holding force.

Locks securely in preset increments

Notch separator for exact positioning. Recommended for side-mounted applications.

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.



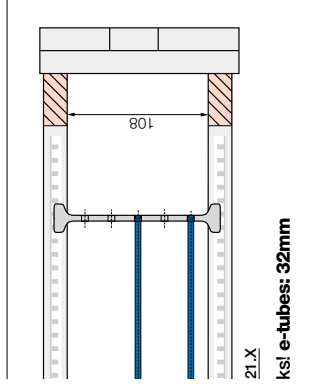
Shelves

Width = X [mm]



X [mm]	un-assembled	assembled	X [mm]	un-assembled	assembled
050	1120.050	1121.050	150	1120.150	1121.150
065	1120.065	1121.065	175	1120.175	1121.175
075	1120.075	1121.075	200	1120.200	1121.200
100	1120.100	1121.100	225	1120.225	1121.225
125	1120.125	1121.125	250	1120.250	1121.250

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ard - for any application

or with a wide base for maximum holding force.

Integral separation

h shelf locks securely into separators at both ends, fixed width. Can be used as full-width or partial shelf.

	assembled	X [mm]	unassembled	assembled
	1121.150	300	1120.300	1121.300
	1121.175	350	1120.350	1121.350
	1121.200	375	1120.375	1121.375
	1121.225	387	1120.387	1121.387
	1121.250	450	1120.450	1121.450

ct design, custom configuration:
ted E4.112 e-chains® each around
ig carry very heavy fill weights

co.uk/R4.112



More interior separation options | Only for e-chains®

	Notch locking separator*, lockable for e-chains®	112.6 un assembled 112.6.1 assembled
	Rollclip*, for e-chains®	489.27 un assembled 490.27 assembled

Notch locking separator* for increased holding force
Notch locking separators* offer higher crossbar opening forces for high humidity and/or large hydraulic hoses. They can be positioned precisely and then locked in position.

Rollclip*

Minimises abrasion of sensitive hoses. Simply clamps onto the opening crossbar. The movable rollers compensate for relative movement between the e-chain® and hose.

*Only suitable for e-chains®

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Split separators*

In order to fill e-chains® more easily and effectively, these separators can be split in the middle. This allows easier access to middle shelf partitions. Fast assembly and easy retrofit. 2 types available: with wide or narrow top.

Lean separators^{*1)}

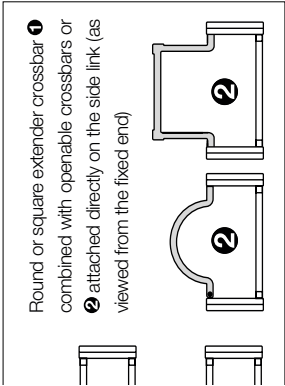
For quick fitting of shelves in several layers.

1) Note: Please combine maximum 4 lean separators with one shelf. Not suitable for side-mounted e-chains®!



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 separator - measured on a 4m long e-chain® fitted with 12 cables in the igus® readychain® factory



or large hoses

ssbars
nk

rough

② Fitted to side link	① Combine with operable crossbars
No	Yes
Yes	No
Yes	No
Yes	No
Yes	No
No	Yes
No	Yes
No	Yes

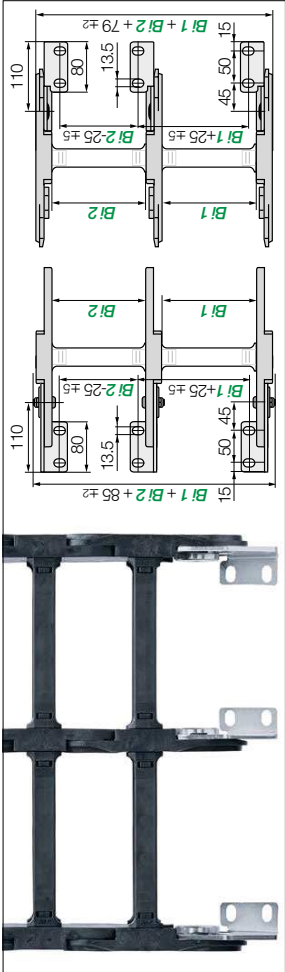
, please add index **E**: E4.112.10/15RHD**E**115/10.**R**.0
, please add index **Z**: E4.112.10/15RHD**Z**115/10.**R**.0

tain[®], please add index **E**: E4.112.17RD**E**115.**R**.0
tain[®], please add index **Z**: E4.112.17RD**Z**115.**R**.0

co.uk/R4.112



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Extension links | For extremely wide e-chains[®] up to 3.0m

- Virtually unlimited side-by-side extension
- For extremely wide e-chains[®] up to 3000mm
- Unsupported length FL_g max. can be increased when heavy fill weights are required
- e-chains[®] and e-tubes can be combined
- Attached with KMA or steel mounting brackets

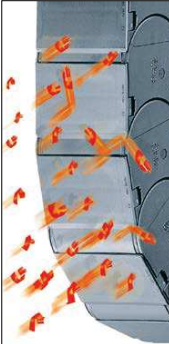
Part No.	Part No.	Part No.
Extension link e-chain [®]	Extension link e-tube	Extension link as an individual part
E4.112. Bi1/Bi2/Bi3.R .0	R4.112. Bi1/Bi2/Bi3.R .0	6022 R .

Complete Part No. with the width index **Bi1/Bi2/Bi3/etc.** and the radius (**R**). Example: **E4.112.10/20/10.200.0**

Hot swarf up to +850°C for e-tubes

- Lids and shelves can repel swarf up to +850°C. Special production option with the igus[®] material igumid HT
- No hot swarf melting or embedding into the chain

More information ► www.igus.co.uk/HT



Reduce assembly time - E4 e-chain[®] opener

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

More information ► www.igus.co.uk/E4savetime



Roller crossbars - increase the service life of cables and hoses

- Significantly reduce jacket abrasion of very stiff cables and hoses with rolling contact surfaces equipped with tribo-optimised bearings
- For sensitive hoses in restricted space
- Usable along the inner and/or outer radius, retrofit possible

More information ► upon request

