



e-tubes removable along the inner and outer radius)
crossbars removable along the inner and outer radius)
along the outer radius, from one side)

e-tubes	Bi	Ba	E4.32	H4.32	R4.32
32.212. R.0	212	236	[mm]	[kg/m]	[kg/m]
32.23. R.0	225	248		≈ 2.68	≈ 2.12
32.237. R.0	237	261		≈ 2.78	≈ 2.17
32.25. R.0	250	273		≈ 2.81	≈ 2.18
32.262. R.0	262	286		≈ 2.95	≈ 2.25
32.28. R.0	275	298		≈ 3.03	≈ 2.29
32.29. R.0	287	311		≈ 3.10	≈ 2.33
32.30. R.0	300	323		≈ 3.14	≈ 2.34
32.312. R.0	312	336		≈ 3.27	≈ 2.41
32.325. R.0	325	348		≈ 3.29	≈ 2.42
32.337. R.0	337	361		≈ 3.39	≈ 2.47
32.350. R.0	350	373		≈ 3.45	≈ 2.50
32.362. R.0	362	386		≈ 3.68	≈ 2.61
32.375. R.0	375	398		≈ 3.78	≈ 2.66
32.387. R.0	387	411		≈ 3.85	≈ 2.70
32.400. R.0	400	423		≈ 3.92	≈ 2.73
				≈ 3.98	≈ 2.77

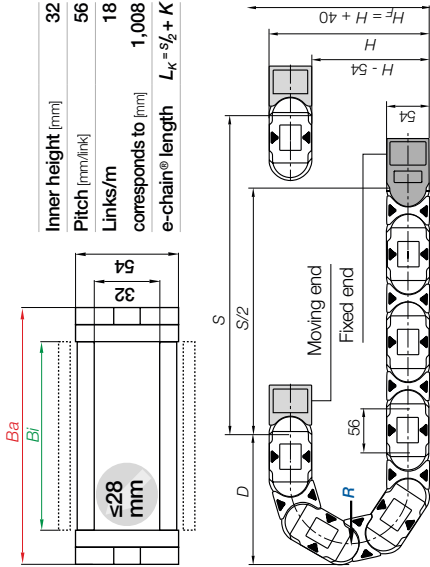
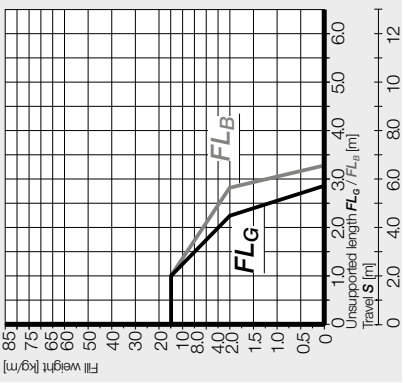
o.z. LIN-TECH HENNLICH s.r.o.
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E-mail: lin-tech@hennlich.cz

y 2nd link / R4.32.30.300.0 = fully enclosed



ik/H4.32 ► www.igus.co.uk/R4.32 igus

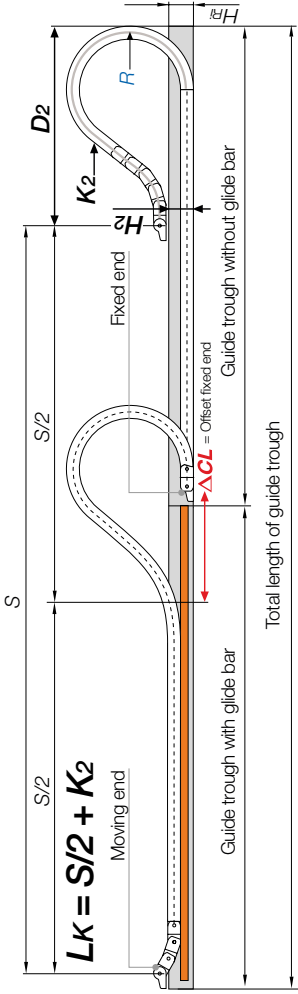


R	063*	075*	100*	125	150	175	200	220	250	300
H ₂	180	204	254	304	354	404	454	494	554	654
D	174	186	211	236	261	286	311	331	361	411
K	310	350	430	505	585	665	745	805	900	1,055

The required clearance height: H_f = H + 40mm (with 2.0kg/m fill weight)

*Radius not available for e-tubes

Gliding applications | For travel lengths from 10m to max. 200m

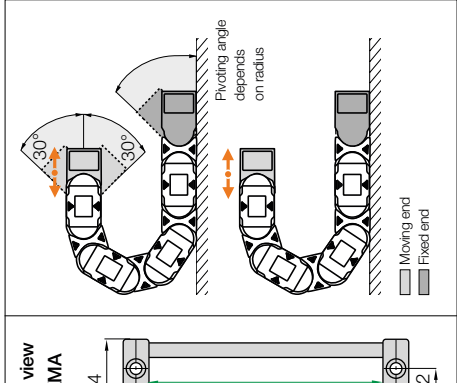


Note: We recommend the project planning of such a system to be carried out by igus®.
In case of travels between 7 and 10m we recommend an e-chain® with a longer unsupported length.

R	063*	075*	100*	125	150	175	200	220	250	300
H ₂	126	150	166	166	166	166	166	166	166	166
D ₂ ²⁵	146	158	370	470	500	655	770	900	930	1,100
K ₂	310	350	616	784	896	1,120	1,288	1,456	1,568	1,904
ΔCL	–	–	160	210	240	370	460	540	570	690

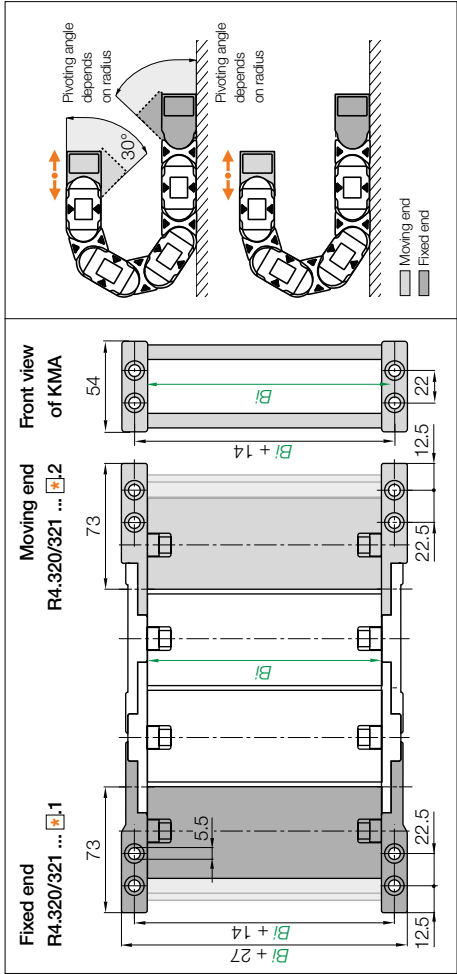
*Radius not available for e-tubes

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! gliding applications
and standing applications

art No. full set	Part No. full set	Bi [mm]
MA pivoting	KMA locking	
4.320.212	E4.321.212	212
4.320.23	E4.321.23	225
4.320.237	E4.321.237	237
4.320.25	E4.321.25	250
4.320.262	E4.321.262	262
4.320.28	E4.321.28	275
4.320.29	E4.321.29	287
4.320.30	E4.321.30	300
4.320.312	E4.321.312	312
4.320.325	E4.321.325	325
4.320.337	E4.321.337	337
4.320.350	E4.321.350	350
4.320.362	E4.321.362	362
4.320.375	E4.321.375	375
4.320.387	E4.321.387	387
4.320.400	E4.321.400	400

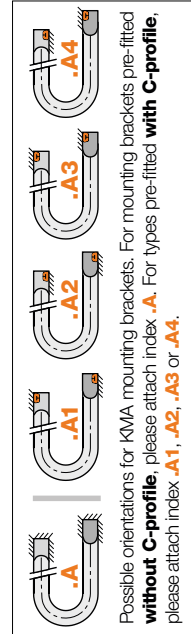
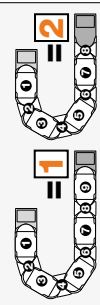


KMA pivoting | Recommended for unsupported and gliding applications
KMA locking | Recommended for vertical hanging and standing applications

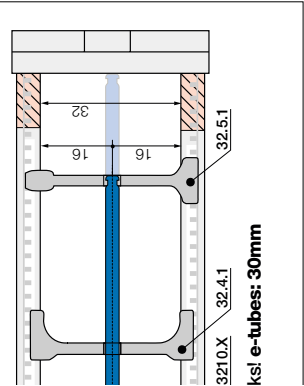
Width index	Part No. full set	Bi [mm]	Width index	Part No. full set	Bi [mm]
KMA pivoting	KMA locking		KMA pivoting	KMA locking	
05. ►	R4.320.05	50	15. ►	R4.320.15	150
07. ►	R4.320.07	75	17. ►	R4.320.17	168
10. ►	R4.320.10	100	20. ►	R4.320.20	200
11. ►	R4.320.11	108	25. ►	R4.320.25	250
12. ►	R4.320.12	125	30. ►	R4.320.30	300

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

Note: The e-chains® may end with either an inner or an outer side link. An outer side link should always be the first e-chain® link at the moving end. Please specify the index **1** (for odd) or **2** (for even) depending on an even or odd number of links required.



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



ard - for any application

or with a wide base for maximum holding force.

en faster installation

one side for high holding force, narrow on opposite
easy cable fitting.

all cables

or with a narrow base for a large number of small
side by side. Saves space.

le-mounted applications

etrical separator, for defined gap distance. No
al spacers required.

securely in preset increments

eparator for exact positioning. Recommended for
unted applications.

ntal separation

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

	assembled	X [mm]	unassembled	assembled
3210.125		225	3200.225	3210.225
3210.150		250	3200.250	3210.250
3210.175				
3210.200				

lk/H4.32 ► www.igus.co.uk/R4.32 **igus**



- ➊ TUB outer link
- ➋ PMAClip
- ➌ Corrugated tube

TUB | Safe guidance for corrugated tubes parallel to the e-chain®

- Additional, simple guidance for corrugated tubes on the outside of the e-chain®
- PMAClip support to be easily clipped on corrugated tubes with nominal widths 07, 10, 12, 17mm
- Easy access to the corrugated tubes, fast replacement of the hoses
- Reduce assembly time and cost - easy to assemble, without any additional screws or tools
- The part number includes the e-chain® with TUB side sections; the PMAClip support and the hose are ordered separately

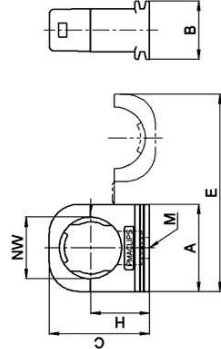
Part No. TUB	Part No. TUB	Part No. TUB	For corrugated tube nominal diameter
Outer link right*	Outer link left*	Outer link at both ends*	Ø [mm]
E4.32.XXXTUBR.0	E4.32.XXXTUBL.0	E4.32.XXXTUBR.0	07 / 10 / 12 / 17

*As viewed from the fixed end

Complete Part No. with the width index **XXX** of **Bi** and the minimum bend radius **(R)**. Example:

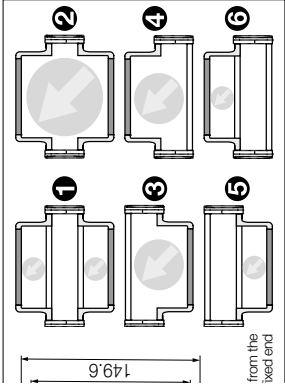
E4.32.10TUBR.150.0 = with TUB outer sections every 2nd right hand link

Product range | PMAClip | Support, one-piece, with safety clip



PMAClip support - one-piece
construction with safety clip,
suitable for corrugated tubes

Part No.	NW	A	B	C	H	E	M
PMAClip	Ø [mm]	mm	mm	mm	mm	mm	mm
I-BFH-07-0	07	17.0	20.0	21.5	13.5	40.5	M4
I-BFH-10-0	10	20.5	20.0	24.5	15.5	47.5	M5
I-BFH-12-0	12	24.0	20.0	27.0	16.5	54.5	M5
I-BFH-17-0	17	30.0	20.0	34.0	20.0	68.0	M6



g for large hoses

tations

Part No.	Part No.
crossbars every link	crossbars every 2nd link
E4.32.XXXHB50.R.0	–
E4.32.XXXHB50.R.0 ²⁾	H4.32.XXXB50.R.0
E4.32.XXXBE50.R.0	H4.32.XXXBE50.R.0 ²⁾
E4.32.XXXBZ50.R.0	H4.32.XXXBZ50.R.0 ²⁾
E4.32.XXXHB50.R.0	–
E4.32.XXXHBZ50.R.0	–

ment e.g. E4.32.10B50.150.0 = B/100 / e-chain®
inner and outer radius / bend radius (R) 150

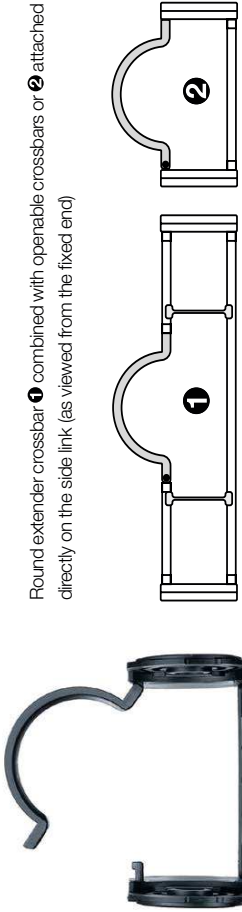


The E4.1 can be fitted with openable
extender crossbars, which increase
the size of the interior of the e-chain®.
Crossbars can be fitted in various ways:
from one or both sides, alternating
with standard crossbars and or any
combination

ik/H4.32 ► www.igus.co.uk/R4.32 **igus**

igus 3D CAD, configurators, service life calculation and more ► www.igus.co.uk/E4.1

Round extender crossbar ❶ combined with openable crossbars or ❷ attached
directly on the side link (as viewed from the fixed end)



Extender crossbars with fixed width | Safe guiding for large hoses

- Suitable for hoses with a maximum outer diameter of 105mm
- Option ❶ extender crossbars with fixed width to combine with openable crossbars
- Option ❷ extender crossbars with fixed width attached directly on the side link
- Optionally openable along the inner "Z" or the outer radius "E"
- Gliding with crossbars assembled along the outer radius and a special guide trough

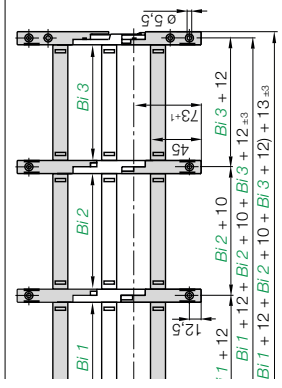
Part No. extender crossbar with fixed width, as individual parts	Hose Ø s [mm]	Extender crossbar shape	❷ Fitted to side link	❶ Combine with openable crossbars
385.15RHD115	105	O round	No	Yes
385.18RD115	105	O round	Yes	No

Order example: ❶ combined with openable crossbars

To receive extender crossbar RHD115 pre-fitted along the outer radius of the chain®, please add index **E**: E4.32.10/15RHD**E**115/10.R.0
To receive extender crossbar RHD115 pre-fitted along the inner radius of the chain®, please add index **Z**: E4.32.10/15RHD**Z**115/10.R.0

Order example: ❷ fitted to side link

To receive extender crossbar RD115 pre-fitted along the outer radius of the chain®, please add index **E**: E4.32.18RD**E**115.R.0
To receive extender crossbar RD115 pre-fitted along the inner radius of the chain®, please add index **Z**: E4.32.18RD**Z**115.R.0



3.0m

is required

Part No.
Extension link as an individual part
284.[R](#).

Example: E4.32.10/20/10.200.0



remains attached to the e-chain®

Part No. openable crossbar as an individual part	385.03
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and the radius (**R**). Example: E4.32.137.1.200.0

ik/H4.32 ► www.igus.co.uk/R4.32

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-tube
- Open design - dirt and debris fall through

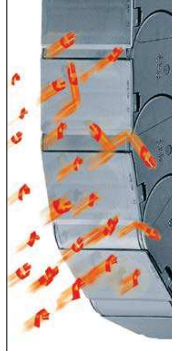
More information ► From page 1362



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

● Useable among the 111,101 all lower centres



Option: E4Q - the next generation of easy-to-assemble iqus® e-chains®

The latest E4Q e-chains® generation combines proven design features of the 12-year old, robust E4.1 e-chains® standard with new bionic design elements and a novel opening mechanism. This gives the E4Q an even longer service life and significantly improved ease of installation.

- Opening and closing completely without tools
- Greater strength and longer unsupported lengths
- Lighter e-chain® links due to material saving
- Optional noise dampening - new system for noise reduction

● **Optional noise cancelling** - New system



ik/H4.32 ► www.igus.co.uk/R4.32

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