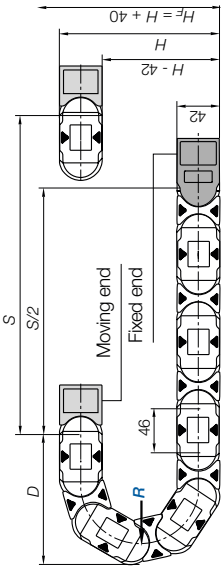
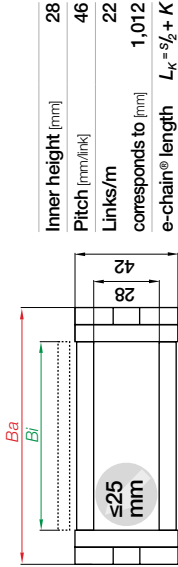
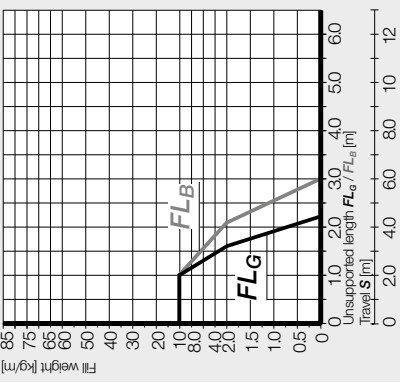
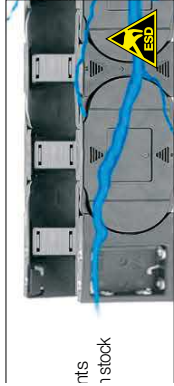




bars removable along the inner and outer radius)
along the outer radius, from one side)

e-tubes	Bi	Ba	E4.28	R4.28
	[mm]	[mm]	[kg/m]	[kg/m]
28.125.R.0	125	145	≈1.51	≈2.78
28.150.R.0	150	170	≈1.61	≈3.02
28.175.R.0	175	195	≈1.71	≈3.26
28.200.R.0	200	220	≈1.84	≈3.50
28.225.R.0	225	245	≈1.99	≈3.82
28.250.R.0	250	270	≈2.14	≈3.98
28.275.R.0	275	295	≈2.27	—
28.300.R.0	300	320	≈2.39	≈4.46

d

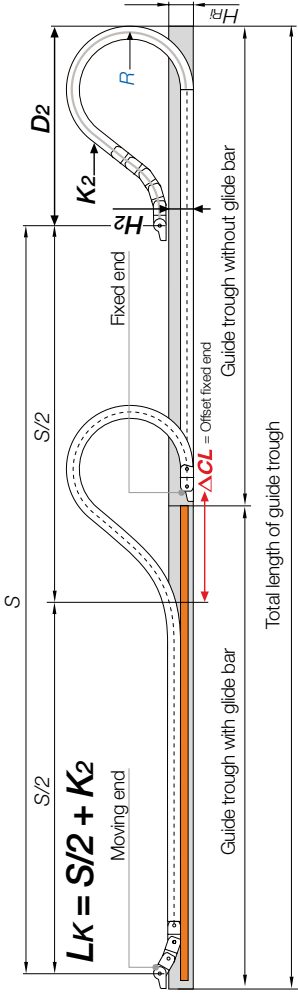


R	055*	063*	075	100	125	150	175	200	250
H	152	168	192	242	292	342	392	442	542
D	145	153	165	190	215	240	265	290	340
K	265	290	330	410	485	565	645	725	880

The required clearance height: $H_f = H + 40\text{mm}$ (with 1.0kg/m fill weight)

*Radius not available for e-tubes

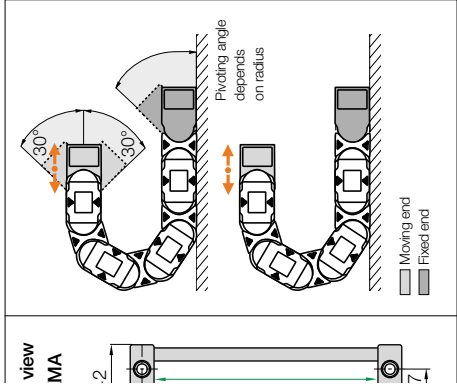
Gliding applications | For travel lengths from 10m to max. 200m



Note: We recommend the project planning of such a system to be carried out by igus®.
In case of travels between 5 and 10m we recommend an e-chain® with a longer unsupported length.

R	055*	063*	075	100	125	150	175	200	250
H ₂	110	126	150	158	158	158	158	158	158
D ₂ ^{2x5}	122	130	142	350	490	530	665	730	935
K ₂	265	290	330	598	782	920	1,104	1,242	1,610
ΔCL	—	—	—	150	270	300	400	450	600

*Radius not available for e-tubes



gliding applications and standing applications

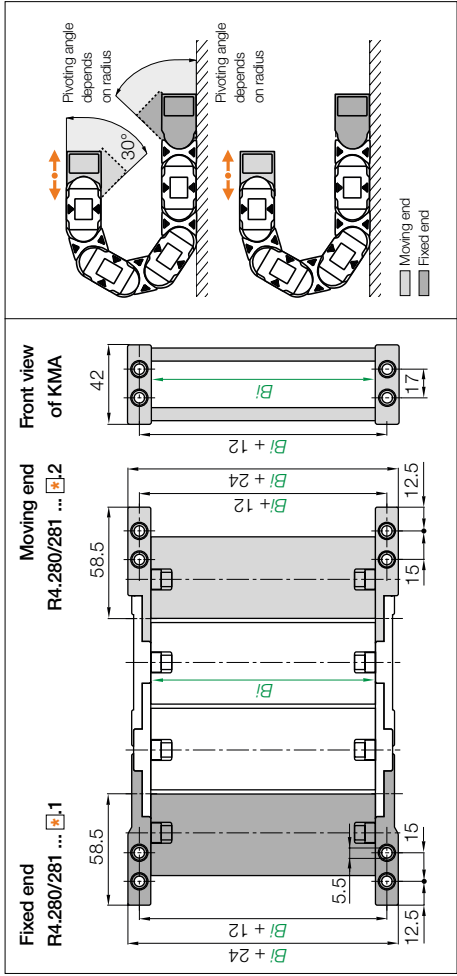
art No. full set	Part No. full set	<i>Bi</i> [mm]
MA pivoting	KMA locking	
4.280.125.*.12	E4.281.125.*.12	125
4.280.150.*.12	E4.281.150.*.12	150
4.280.175.*.12	E4.281.175.*.12	175
4.280.200.*.12	E4.281.200.*.12	200
4.280.225.*.12	E4.281.225.*.12	225
4.280.250.*.12	E4.281.250.*.12	250
4.280.275.*.12	E4.281.275.*.12	275
4.280.300.*.12	E4.281.300.*.12	300

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s.co.uk/R4.28

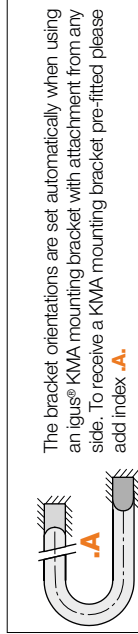
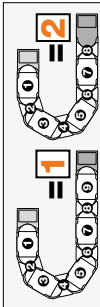


KMA pivoting | Recommended for unsupported and gliding applications KMA locking | Recommended for vertical hanging and standing applications

Width index	Part No. full set	<i>Bi</i> [mm]	Width index	Part No. full set	<i>Bi</i> [mm]
KMA pivoting	KMA locking		KMA pivoting	KMA locking	
050. ▶	R4.280.050.*.12	50	175. ▶	R4.281.175.*.12	175
075. ▶	R4.280.075.*.12	75	200. ▶	R4.281.200.*.12	200
100. ▶	R4.280.100.*.12	100	225. ▶	R4.281.225.*.12	225
125. ▶	R4.280.125.*.12	125	250. ▶	R4.281.250.*.12	250
150. ▶	R4.280.150.*.12	150	300. ▶	R4.281.300.*.12	300

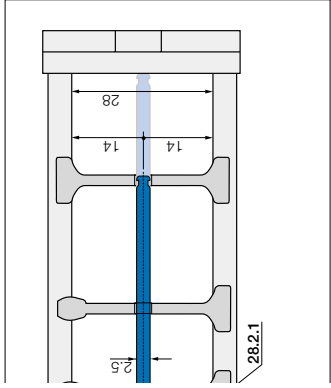
(KMA = polymer metal mounting bracket)

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

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



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 side for easy cable fitting.

if

ions can be fixed in position using spacers. The interior height is reduced by 2mm per spacer (4mm spacers are fitted on both sides). To avoid this, the separator can also be installed on the outside of the opening.

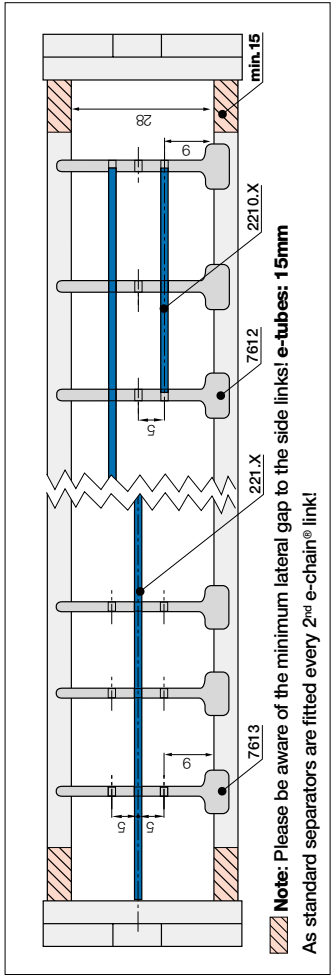
ntal separation

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

assembled	X [mm]	unassembled	assembled
2310.060	087	2300.87	2310.087
2310.062	090	2300.90	2310.090
2310.065	100	2300.100	2310.100
2310.070	103	2300.103	2310.103
2310.075	110	2300.110	2310.110
2310.077	120	2300.120	2310.120
2310.080	125	2300.125	2310.125



s.co.uk/R4.28

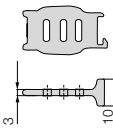
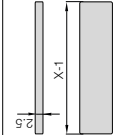


Option 1 | Full-width shelves Slotted separator

For a vertical subdivision. The slot allows basic vertical/horizontal shelving arrangements.

Full-width shelf

This option is for applications with many small cables with similar diameters. For full-width separation.

		Slotted separator	
		unassembled	7603
		assembled	7613
		Full-width shelf for e-tubes	
		unassembled	220.X
		assembled	221.X

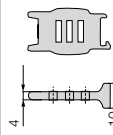
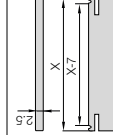
Full-width shelves Width = X [mm]	X [mm]	unassembled	assembled	X [mm]	unassembled	assembled
040	220.40	221.40	220.75	150	220.150	221.150
050	220.50	221.50	220.87	175	220.175	221.175
062	220.62	221.62	220.100	200	220.200	221.200
070	220.70	221.70	220.125			

Option 2 | Shelves Slotted separator

Allows modular shelving arrangements.

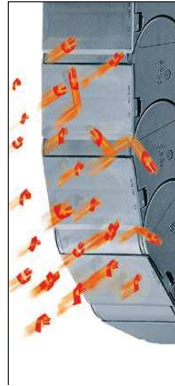
Shelf

For applications involving many cables with different diameters, shelves can be fitted at different heights.

		Slotted separator	
		unassembled	7602
		assembled	7612
		Shelf for e-tubes	
		unassembled	2200.X
		assembled	2210.X

Shelves Width = X [mm]	X [mm]	unassembled	assembled	X [mm]	unassembled	assembled
018	2200.18	2210.18	2200.43	088	2200.88	2210.088
023	2200.23	2210.23	2200.48	099	2200.99	2210.099
028	2200.28	2210.28	2200.58	124	2200.124	2210.124
033	2200.33	2210.33	2200.68	149	2200.149	2210.149
038	2200.38	2210.38	2200.73			

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



E4.1 e-chains®, supplied as readychains®, reliably supply power and data to different axes of this machine tool