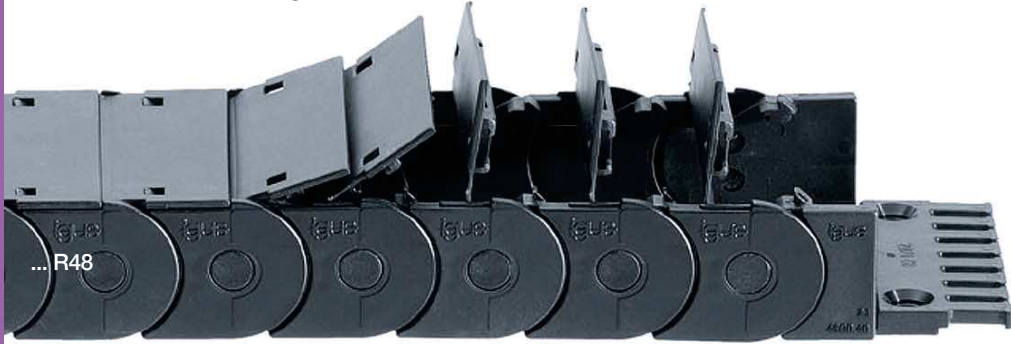


Protection against dirt and debris, small pitch for smooth motion



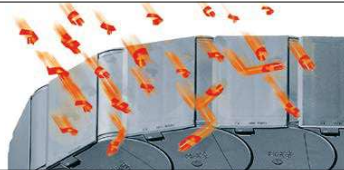
e-tubes | Series R48 | Lids removable along the outer radius

Part No.	Bi	Ba	R	Available bend radii	R48
e-tubes	[mm]	[mm]	[mm]	[mm]	[kg/m]
48.025.R.0	25	36	060	075 100 125 150 175 200 250	≈ 0.64
48.050.R.0	50	61	060	075 100 125 150 175 200 250	≈ 0.84
48.075.R.0	75	86	060	075 100 125 150 175 200 250	≈ 1.03
48.100.R.0	100	111	060	075 100 125 150 175 200 250	≈ 1.23
48.130.R.0	130	141	060	075 100 125 150 175 200 250	≈ 1.46

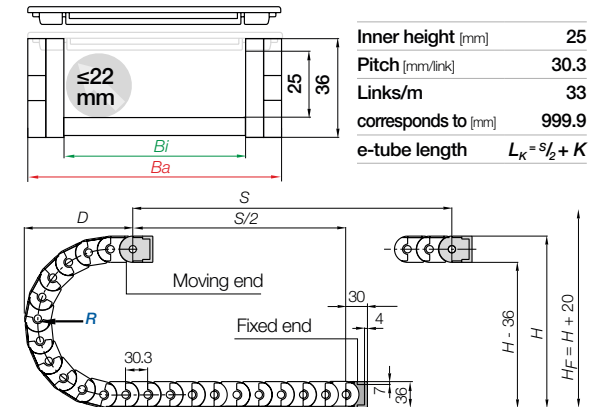
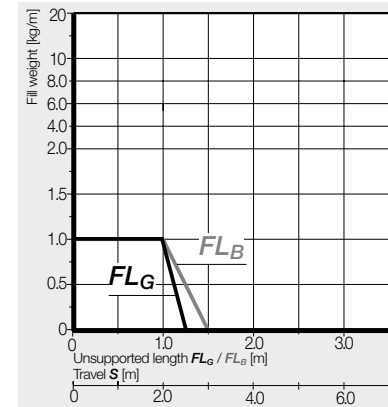
Complete Part No. with required radius (R). Example: 48.100.100.0

Hot swarf up to +850°C for e-tubes

- e-tubes can repel swarf up to +850°C. Special production option with the igus® material igamid HT
 - No hot swarf melting or embedding into the chain
- More information ► www.igus.co.uk/HT



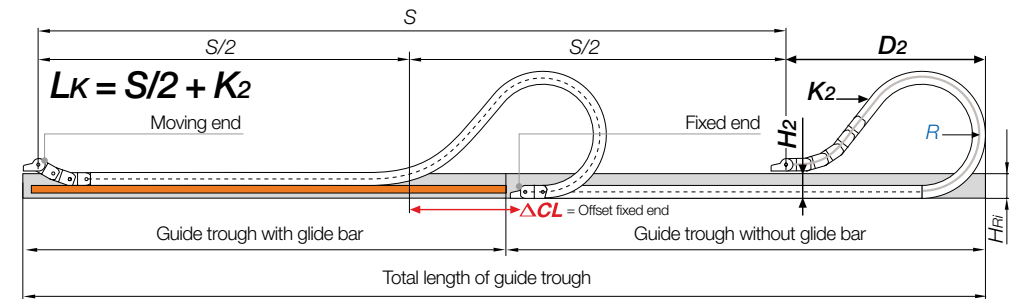
Unsupported applications | Short travels



R	060	075	100	125	150	175	200	250
H	156	186	236	286	336	386	436	536
D	123	138	163	188	213	238	263	313
K	250	300	375	455	535	615	690	850

The required clearance height: $H_F = H + 20\text{mm}$ (with 0.5kg/m fill weight)

Gliding applications | For travel lengths from 5m to max. 50m



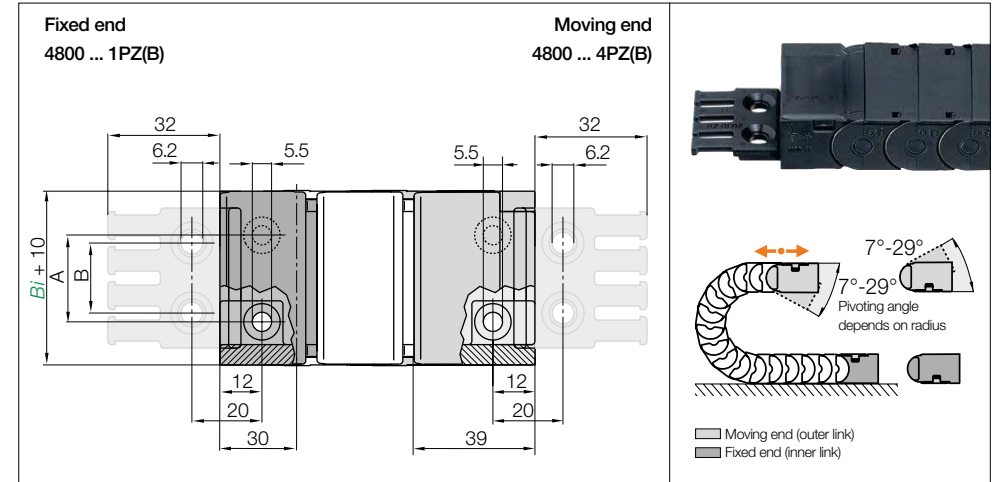
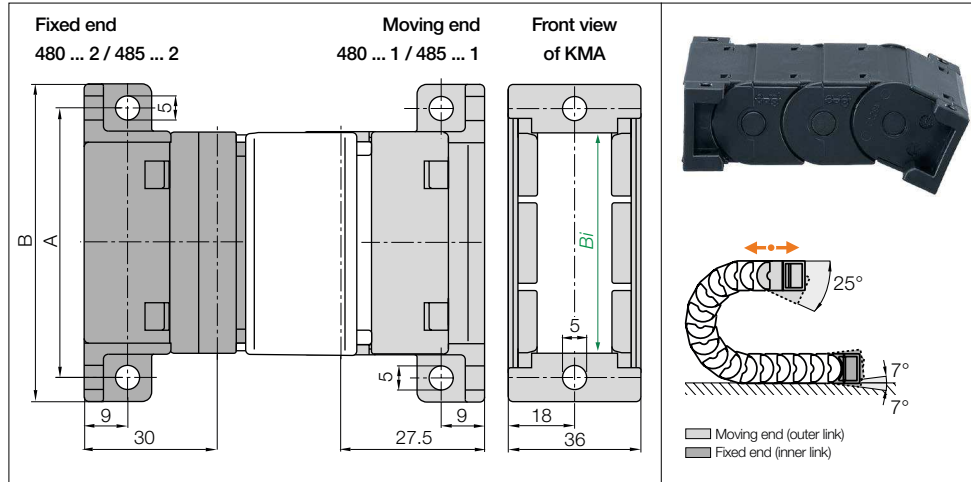
Note: We recommend the project planning of such a system to be carried out by igus®.

In case of travels between 2 and 5m we recommend an e-tube with a longer unsupported length.

If a gliding application is required for a long travel, please consult igus®.

R	060	075	100	125	150	175	200	250
H ₂	156	186	176	176	176	176	176	*
D ₂	110	125	330	450	610	730	690	*
K ₂	250	300	545	758	970	1,151	1,182	*
ΔCL	-	-	170	270	380	470	*	*

*Values upon request



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

Width index	Part no. full set KMA pivoting	Part No. full set KMA locking	A [mm]	B [mm]	Bi [mm]
025. ▶	480.025.12	485.025.12	45	55	25
050. ▶	480.050.12	485.050.12	70	80	50
075. ▶	480.075.12	485.075.12	95	105	75
100. ▶	480.100.12	485.100.12	120	130	100
130. ▶	480.130.12	485.130.12	150	160	130

Angled polymer bracket | One end pivoting
 Recommended for unsupported applications

Width index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	A [mm]	B [mm]	Number of teeth
025. ▶	4800.025.12PZB	4800.025.12	12	15	3
050. ▶	4800.050.12PZB	4800.050.12	37	30	5
075. ▶	4800.075.12PZB	4800.075.12	62	60	8
100. ▶	4800.100.12PZB	4800.100.12	87	80	10
130. ▶	-	4800.130.12	117	-	-

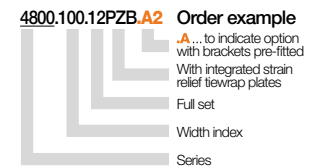
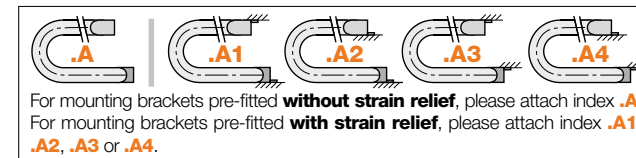
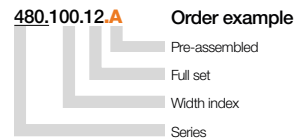
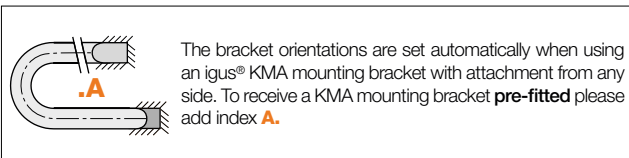
(KMA = polymer metal mounting bracket)

The following parts are required for attachment of the mounting brackets:

- Socket head cap bolt M5 DIN 912-8.8 Length depends on the thickness of the attachment base
- Washer 5.3 DIN 125-ST
- Hexagon nut M5 DIN 934-8

The following parts are required for attachment of the mounting brackets:

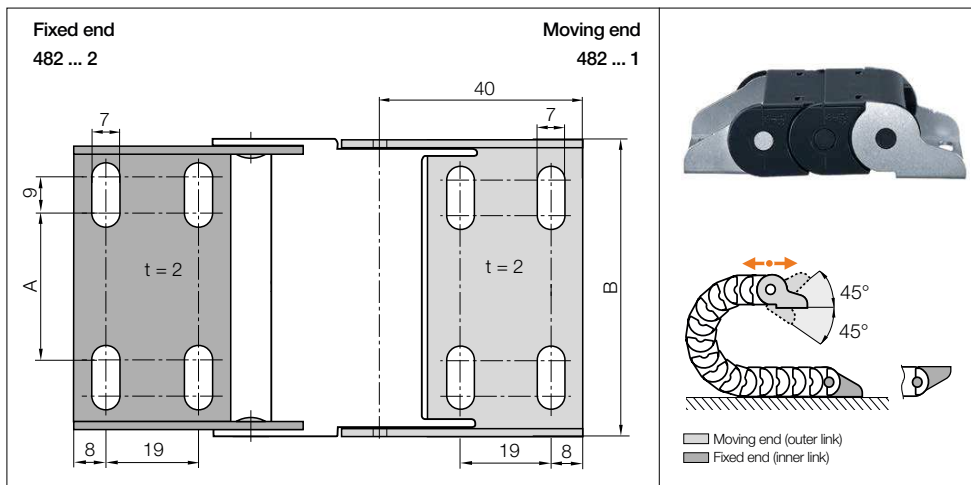
- Socket head cap bolt M5 DIN 912-8.8 Length depends on the thickness of the attachment base
- Hexagon nut M5 DIN 7991
- Washer 5.3 DIN 125-ST



Strain relief e.g. clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1392

Strain relief e.g. clamps, tiewrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ▶ From page 1392

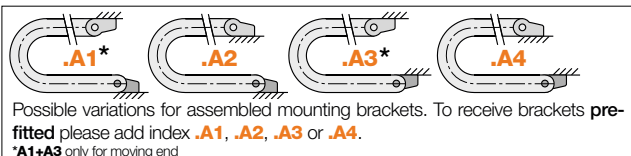
Steel mounting brackets | One end pivoting



Steel mounting brackets | One end pivoting

Recommended for unsupported, vertical hanging, standing applications

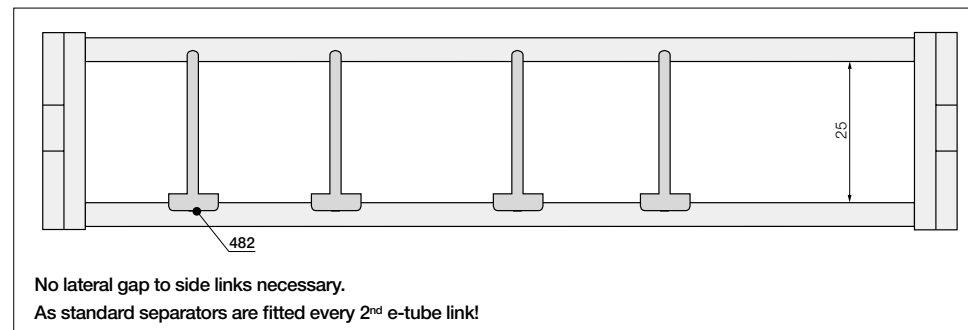
Width index	Part No. full set	A [mm]	B [mm]
	Steel one end pivoting:		
025. ▶	482.025 .12	–	35
050. ▶	482.050 .12	22	60
075. ▶	482.075 .12	47	85
100. ▶	482.100 .12	72	110
130. ▶	482.130 .12	102	140



482.100.12.A1 Order example
 .A... to indicate option with brackets pre-fitted
 Full set
 Width index
 Series

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

Interior separation



Standard separator	
unassembled	481
assembled	482

Standard separator
 For simple vertical subdivision. Offers security due to its wide base design, also when used with large cables or hoses.

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. 481.ZR - more information ▶ From page 1424