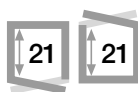


Swarf protection, even against hot swarf, cost-effective



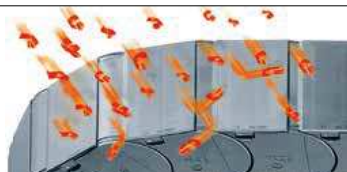
e-tubes | Series R117 | Lids openable along the inner radius, from both sides
 e-tubes | Series R118 | Lids openable along the outer radius, from both sides

Part No. e-tubes openable along the inner radius	Part No. e-tubes openable along the outer radius	Bi [mm]	Ba [mm]	R Available bend radii								R117 [kg/m]	R118 [kg/m]
				063	075	100	110	125	145	180			
117.020.R.0	-	20	32	063	075	100	110	125	145	180	≈ 0.43	≈ 0.43	
117.025.R.0	118.025.R.0	25	37	063	075	100	110	125	145	180	≈ 0.46	≈ 0.46	
117.038.R.0	-	38	50	063	075	100	110	125	145	180	≈ 0.56	≈ 0.56	
117.048.R.0	118.048.R.0	48	60	063	075	100	110	125	145	180	≈ 0.66	≈ 0.66	
117.063.R.0	-	63	75	063	075	100	110	125	145	180	≈ 0.76	≈ 0.76	
117.080.R.0	118.080.R.0	80	92	063	075	100	110	125	145	180	≈ 0.89	≈ 0.89	
117.100.R.0	-	100	112	063	075	100	110	125	145	180	≈ 1.06	≈ 1.06	

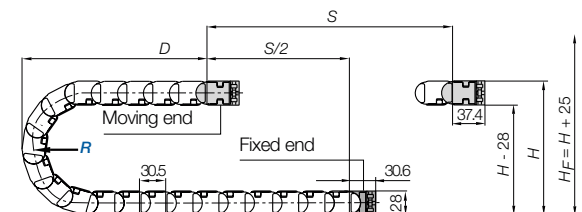
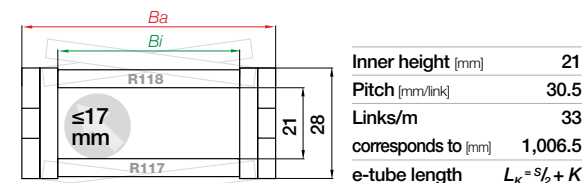
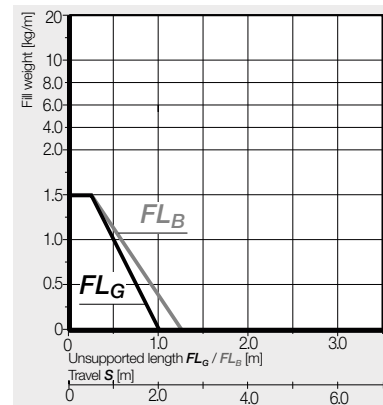
Complete Part No. with required radius (R). Example: 118.080.100.0

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 igumid HT
 - No hot swarf melting or embedding into the chain
- More information ► www.igus.eu/HT



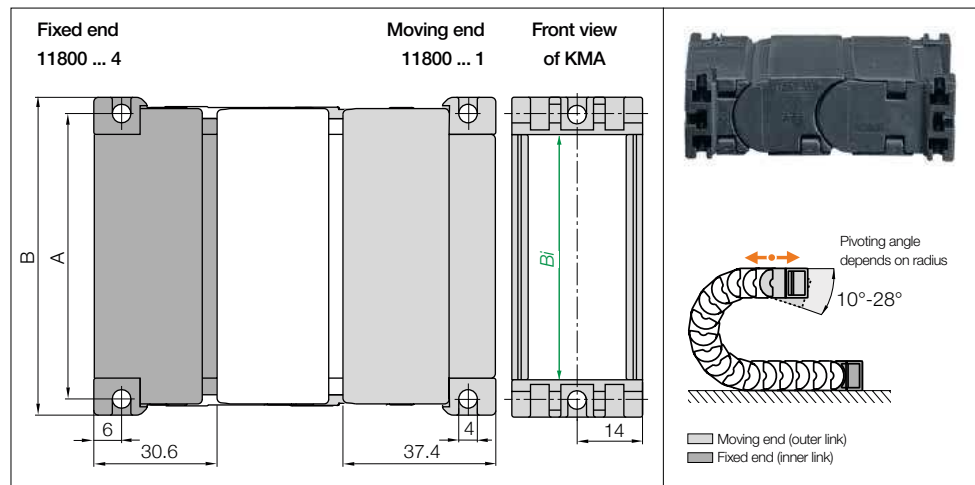
Unsupported applications | Short travels



R	063	075	100	110	125	145	180
H	154	178	228	248	278	318	388
D	123	135	160	170	185	205	240
K	260	300	380	410	455	520	630

The required clearance height: $H_F = H + 25\text{mm}$ (with 1.0kg/m fill weight)

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



KMA, one end pivoting | Recommended for unsupported applications

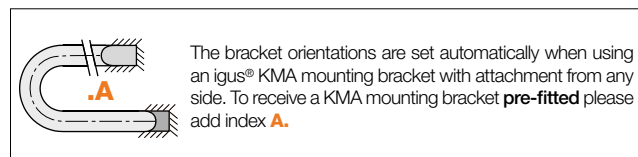
Width index	Part No. full set KMA one end pivoting:	Part No. full set KMA locking	A [mm]	B [mm]	Bi [mm]
020. ▶	11800.020.14	-	29	36	20
025. ▶	11800.025.14	-	34	41	25
038. ▶	11800.038.14	-	47	54	38
048. ▶	11800.048.14	-	57	64	48
063. ▶	11800.063.14	-	72	79	63
080. ▶	11800.080.14	-	89	96	80
100. ▶	11800.100.14	-	109	116	100

Pivoting option at fixed end available upon request Part No. 11800... 12

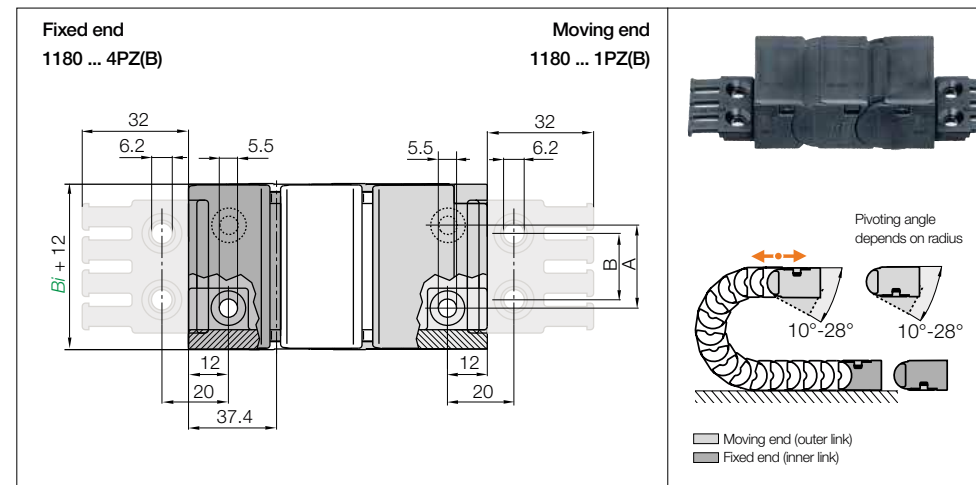
(KMA = polymer metal mounting bracket)

The mounting brackets are supplied with hexagon nuts and can be attached with M4 bolts,

or the mounting brackets may also be attached with M4 hexagon socket DIN 912 cap bolts.



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



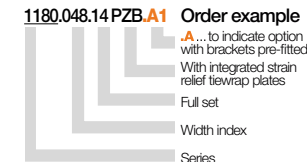
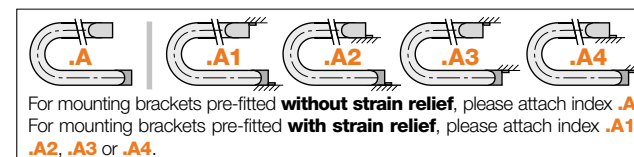
Angled polymer bracket one end pivoting | Recommended for unsupported applications

Width index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	A [mm]	B [mm]	Bi [mm]	Number of teeth
025. ▶	1180.025.14PZB	1180.025.14PZ	12	15	25	3
038. ▶	1180.038.14PZB	1180.038.14PZ	25	20	38	4
048. ▶	1180.048.14PZB	1180.048.14PZ	35	30	48	5
063. ▶	1180.063.14PZB	1180.063.14PZ	50	40	63	6
080. ▶	1180.080.14PZB	1180.080.14PZ	67	60	80	8
100. ▶	1180.100.14PZB	1180.100.14PZ	87	80	100	10

Strain relief is possible on the moving end and/or the fixed end.

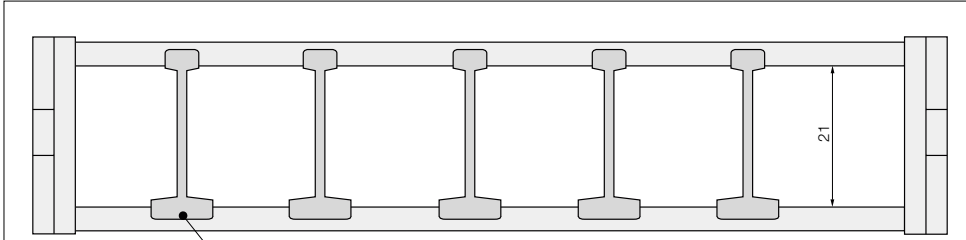
The following parts are required for attachment of the mounting brackets:

- Countersunk 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

Interior separation



No lateral gap to side links necessary.
As standard separators are fitted every 2nd e-tube link!

		Standard separator
		unassembled 1185.01
		assembled 1186.01

Standard separator

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



Typical use of igus® E2 R100 e-tubes - standing application in a machine tool