



e-chains® | Series 045 | One-piece, non-openable

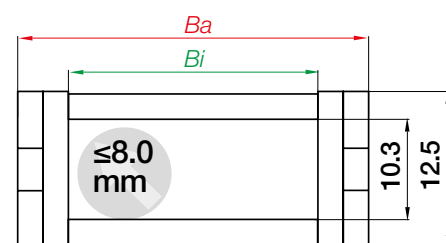
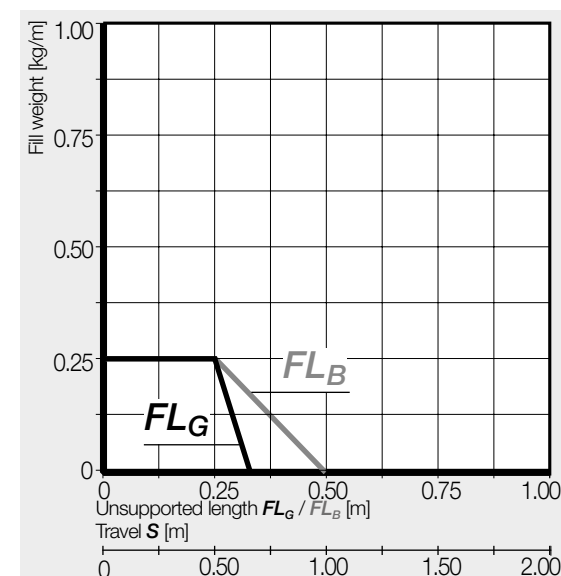
Part No. e-chains®	Bi [mm]	Ba [mm]	R Available bend radii [mm]	Weight [kg/m]
045.06 .R.0	6	12	018 028 038 –	≈ 0.09
045.10 .R.0	10	16	018 028 038 –	≈ 0.10
045.16 .R.0	16	22	018 028 038 –	≈ 0.11
045.20 .R.0	20	26	018 028 038 083	≈ 0.13
045.30 .R.0	30	36	018 028 038 –	≈ 0.16
045.64 .R.0	64	70	018 028 038 –	≈ 0.19

*Radius 083 only for Part No. 045.20.

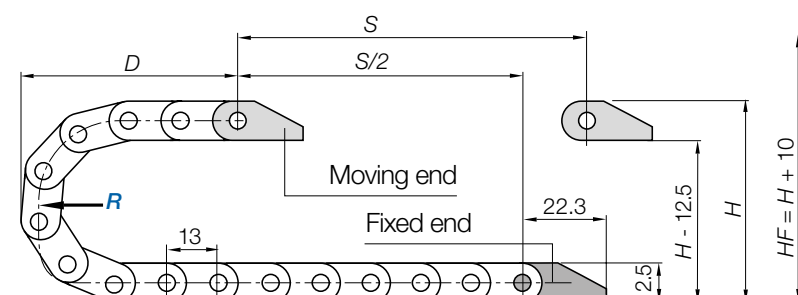
© RBR version (Reverse Bend Radius), some radii available from stock. More information ► From page 130

Complete Part No. with required radius (R). Example: 045.10.028.0

Installation dimensions



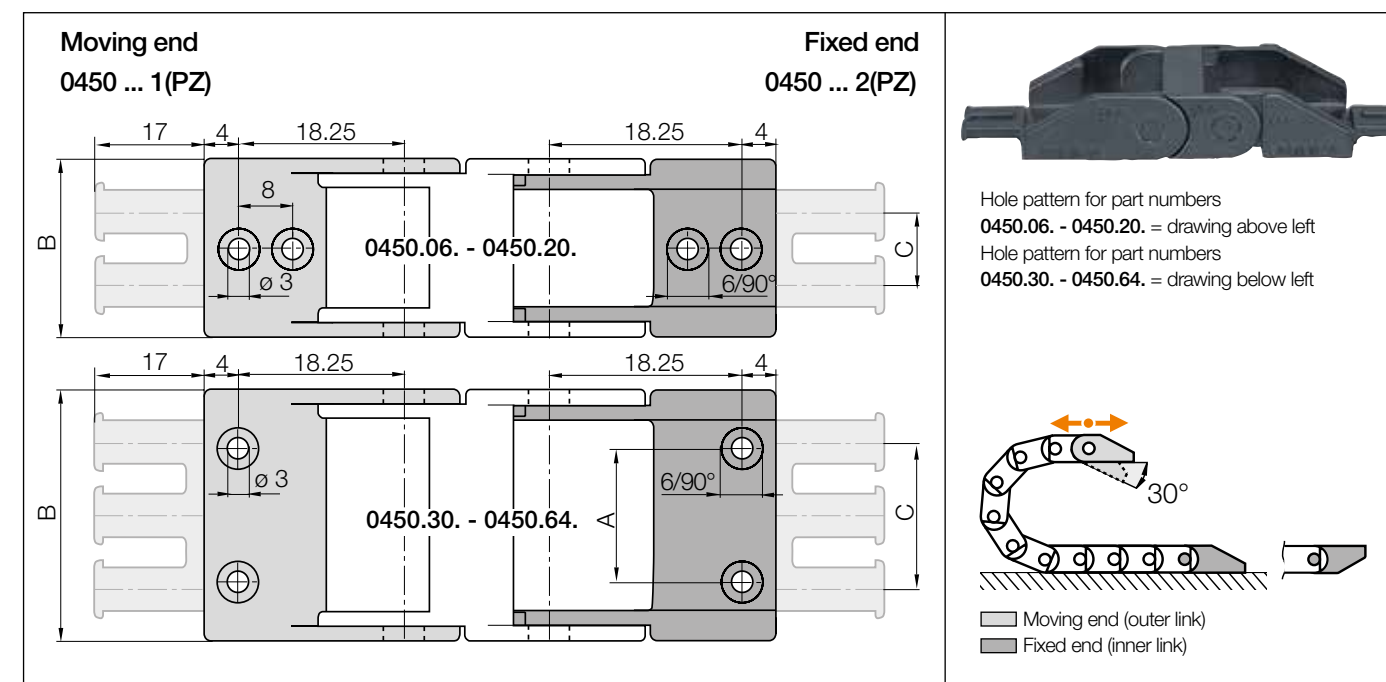
Inner height [mm]	10.3
Pitch [mm/link]	13
Links/m	77
corresponds to [mm]	1,001
e-chain® length	$L_K = S/2 + K$



R	018	028	038	083*
H	48.5	68.5	88.5	178.5
D	44	54	64	109
K	85	115	150	290

The required clearance height: $H_F = H + 10\text{mm}$ (with 0.2kg/m fill weight)

*Radius 083 only for Part No. 045.20.

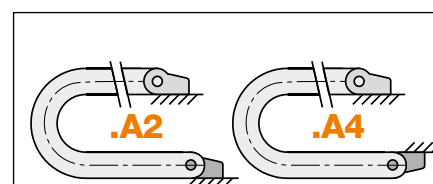
286 More information ► www.igus.eu/045

Width index	Part No. full set with tiewrap plates	Part No. full set without tiewrap plates	A [mm]	B [mm]	C [mm]	Number of teeth
06. ►	0450.06.12PZ	0450.06.12	–	12	–	1
10. ►	0450.10.12PZ	0450.10.12	–	16	–	1
16. ►	0450.16.12PZ	0450.16.12	–	22	10	2
20. ►	0450.20.12PZ	0450.20.12	–	26	10	2
30. ►	0450.30.12PZ	0450.30.12	22	36	20	3
64. ►	0450.64.12PZ	0450.64.12	56	70	50	6

Material mounting bracket - igumid G, temperature: -40° up to +120°C, VDE 0304 IIC UL94-HB

Mounting bracket with strain relief tiewrap plate has reductions of ø 3mm / ø 6mm 90°

Mounting bracket without strain relief tiewrap plate only has holes of ø 3mm



Possible variations for assembled mounting brackets. To receive brackets pre-fitted please add index .A2 or .A4.

0450.10.12PZ.A2 Order example

.A... to indicate option with brackets pre-fitted

With integrated strain relief tiewrap plates

Full set

Series

Rotating energy supply systems with Reverse Bend Radius (RBR) - some radii available from stock

- Maximum rotation angle in minimal installation space
- Minimal friction forces and maximum service life
- Short delivery times from stock

More information and the complete product range ► From page 130

igus 3D CAD, service life calculation, configurators and more ► www.igus.eu/E2micro

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