

Price Index



6 Widths
3 Bending Radii



Minimal pitch of
.51 (13 mm)



Series 046
full-width shelving



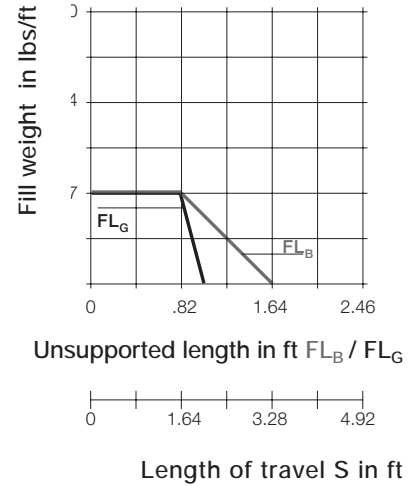
Quicksnap: the complete unit, detachable by hand
Call for availability



Quickfix: mounting bracket with pin
Call for availability

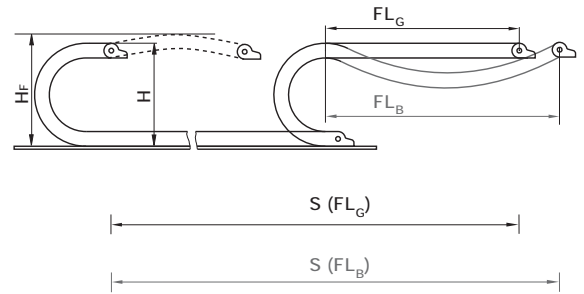


Minimal pitch for very quiet operation



Unsupported length

- FL_B = unsupported with permitted sag
- FL_G = unsupported with straight upper run



Product Range:

Inner Widths (Bi) inches (mm):	.24 (6), .39 (10), .63 (16), .79 (20), 1.18 (30), 2.52 (64)
Bending Radii (R) inches (mm):	.71 (018), 1.10 (028), 1.50 (038)
Pitch:	.51 (13 mm/link) = 23.47 links/ft (77 links/m)



When to use the Series 045 E2 "micro":

- If quieter operation is required
- If excellent service life is required
- If cost is a factor

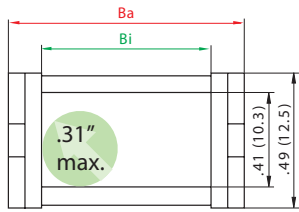


When not to use the Series 045 E2 "micro":

- If snap-open links are required
 - ▶ Series 07 "Zipper", Chapter 3
- If quick insertion of cables with pre-assembled connectors is required
 - ▶ Series E06 "E-Z Chain", Chapter 2
- If torsional rigidity is crucial
 - ▶ Series 06 E2 "micro", Chapter 4



Series 045 E2 "micro"

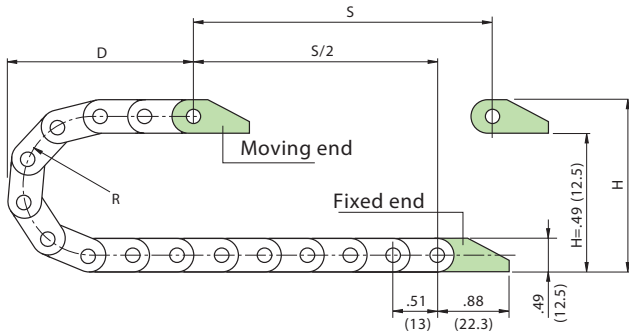


Part No.	Bi	Ba
045-06	.24 (6)	.47 (12)
045-10	.39 (10)	.63 (16)
045-16	.63 (16)	.87 (22)
045-20	.79 (20)	1.02 (26)
045-30	1.18 (30)	1.42 (36)
045-64	2.52 (64)	2.76 (70)

Bending Radii for ALL Widths
.71 (018)
1.10 (028)
1.50 (038)

Supplement part number with required radius
for example 045-20-038-0

Installation Dimensions



R	.71 (018)	1.10 (028)	1.50 (038)
H*	2.05 (52)	2.83 (72)	3.62 (92)
D	1.77 (45)	2.17 (55)	2.56 (65)
K	3.94 (100)	5.51 (140)	6.30 (160)

*The required clearance height is $HF = H + .39$ (10) with .13 lbs/ft (0.2 kg/m) fill weight. Please consult igus if space is particularly restricted.

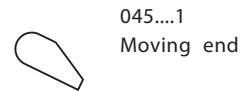
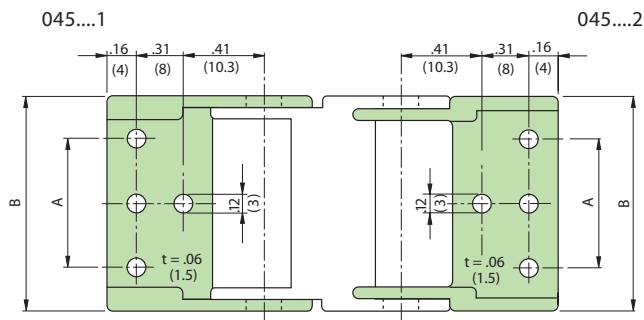


Pitch: = .51 (13 mm) per link
Links per ft (m): = 23.47 (77)
Chain length: = $\frac{S}{2} + K$

Mounting Brackets

Polymer, One Piece

- One-piece, locked mounting bracket
- Corrosion resistant
- Available pre-assembled


 045....1
Moving end

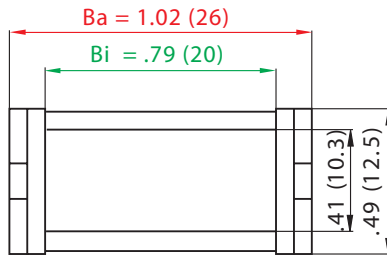
 045....2
Fixed end

0450-06-12 – 0450-20-12:
Center bores only
0450-30-12 – 0450-64-12:
Outer bores only

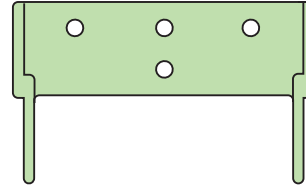
Chain Type	Part No.	Dimension A		Dimensions B	
		in.	(mm)	in.	(mm)
045-06	0450-06-12	-		.47	(12)
045-10	0450-10-12	-		.63	(16)
045-16	0450-16-12	-		.87	(22)
045-20	0450-20-12	-		1.02	(26)
045-30	0450-30-12	.87	(22)	1.42	(36)
045-64	0450-64-12	2.20	(56)	2.76	(70)

045...12 = Full set, each part with pin/bore
045... 1 = Mounting bracket with bore
045... 2 = Mounting bracket with pin

Order Example

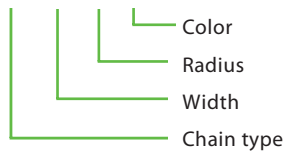


045-20...



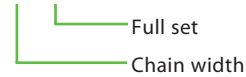
1. Chain selection:

045-20-038-0

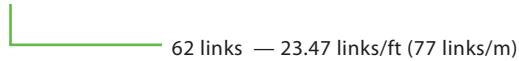


2. Mounting brackets:

0450-20-12



For 2.62 ft (0.8 m) chain, color black, with mounting brackets:
2.62 ft (0.8 m) 045-20-038-0 and 0450-20-12



[Click Here for
Specs &
CAD Files](#)

Technical data

Chain Type	Weight Per Link		Weight	
	(oz.)	(g)	(lbs/ft)	(kg/m)
045-06	0.044	(≈ 1.25)	0.060	(≈ 0.09)
045-10	0.046	(≈ 1.30)	0.067	(≈ 0.10)
045-16	0.049	(≈ 1.40)	0.074	(≈ 0.11)
045-20	0.060	(≈ 1.70)	0.087	(≈ 0.13)
045-30	0.074	(≈ 2.10)	0.108	(≈ 0.16)
045-64	0.088	(≈ 2.50)	0.128	(≈ 0.19)

Material	igumid G
Permitted temperature	-40°F/266°F (-40°C/+130°C)
Gliding speed max.	9.8 ft/s (3 m/s)
Unsupported v max.	32.8 ft/s (10 m/s)
Flammability class	VDE 0304 IIC UL94 HB

● Details of material properties

▶ Design, Chapter 1