












Series R167 | Hinged, snap-open on both sides of the inner radius

Series R168 | Hinged, snap-open on both sides of the outer radius | Standard

e-tubes snap-open along inner radius	e-tubes snap-open along outer radius	 Standard	<i>Bi</i> [mm]	<i>Ba</i> [mm]	<i>R</i> Bending radii [mm]	R167 [kg/m]	R168 [kg/m]
167.050. <i>R</i> .0	168.050. <i>R</i> .0		50	68	100 125 150 175 200 225 250 300	≈ 1,58	≈ 1,58
167.075. <i>R</i> .0	168.075. <i>R</i> .0		75	93	100 125 150 175 200 225 250 300	≈ 1,84	≈ 1,84
167.100. <i>R</i> .0	168.100. <i>R</i> .0		100	118	100 125 150 175 200 225 250 300	≈ 2,09	≈ 2,09
167.115. <i>R</i> .0	168.115. <i>R</i> .0		115	133	100 125 150 175 200 225 250 300	≈ 2,24	≈ 2,24
167.125. <i>R</i> .0	168.125. <i>R</i> .0*		125	143	100 125 150 175 200 225 250 300	≈ 2,35	≈ 2,35
167.150. <i>R</i> .0	168.150. <i>R</i> .0		150	168	100 125 150 175 200 225 250 300	≈ 2,60	≈ 2,60
167.175. <i>R</i> .0	168.175. <i>R</i> .0		175	193	100 125 150 175 200 225 250 300	≈ 2,86	≈ 2,86
167.200. <i>R</i> .0	168.200. <i>R</i> .0		200	218	100 125 150 175 200 225 250 300	≈ 3,11	≈ 3,11
167.225. <i>R</i> .0	168.225. <i>R</i> .0*		225	243	100 125 150 175 200 225 250 300	≈ 3,37	≈ 3,37
167.250. <i>R</i> .0	168.250. <i>R</i> .0*		250	268	100 125 150 175 200 225 250 300	≈ 3,62	≈ 3,62

*Width available upon request, please consult igus® for delivery time

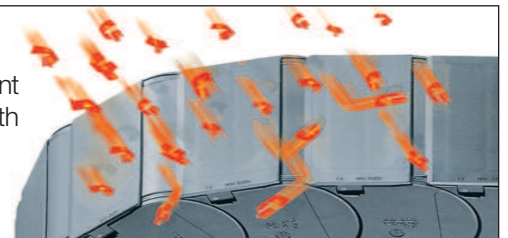
Supplement Part No. with required radius (*R*). Example: 168.100.100.0

Hot Chips up to 850°C

e-tubes that repel hot chips, up to 850°C. Some applications, depending on amount and size of the chips, can burn or melt the surface. That is no longer the case with the igus® "igumid HT" material. Order example: Full e-tube made of igumid HT:

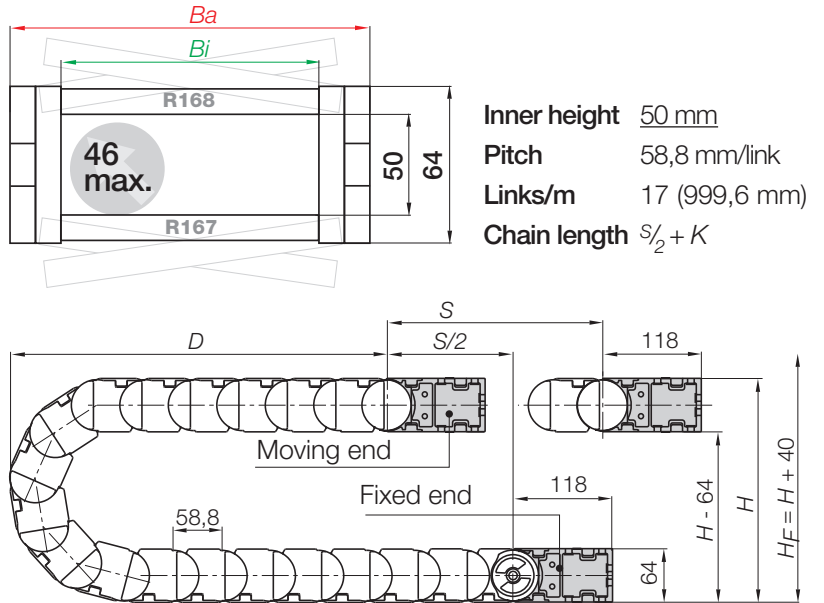
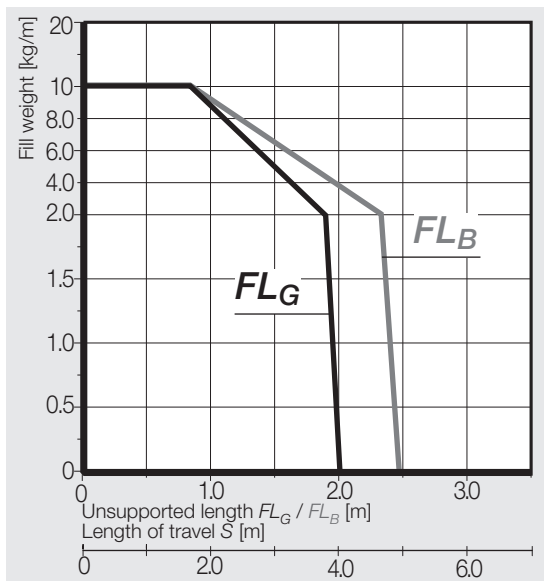
Part No. 168.100.100.0.HT (for long travels upon request)

Delivery time upon request. More information ► www.igus.eu/HT



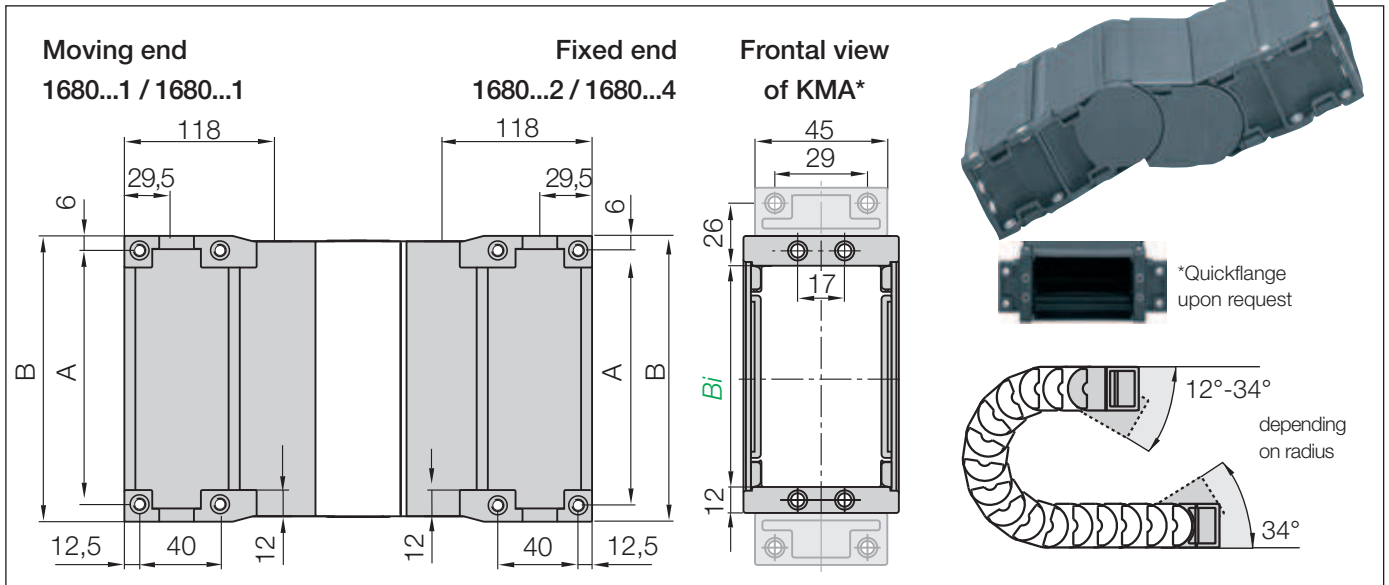


Unsupported applications | Short travels



R	100	125	150	175	200	225	250	300
H	264	314	364	414	464	514	564	664
D	220	245	270	295	320	345	370	420
K	435	515	590	670	750	825	905	1065

The required clearance height: $H_F = H + 40$ mm (with 2,0 kg/m fill weight)



KMA, pivoting | Recommended for short travels | Standard

KMA, locking | Recommended for vertical hanging, standing applications

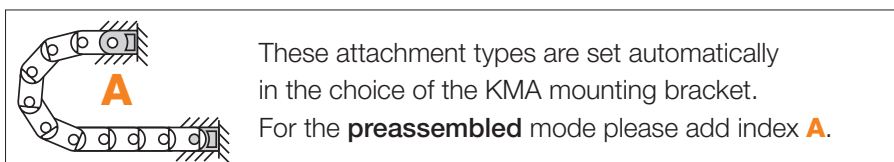
Width Index	Part No. full set KMA pivoting:	Part No. full set KMA fixed end locking*:	Dim. A [mm]	Dim. B [mm]
.050. ▶	1680.050.12	1680.050.14	62	74
.075. ▶	1680.075.12	1680.075.14	87	99
.100. ▶	1680.100.12	1680.100.14	112	124
.115. ▶	1680.115.12	1680.115.14	127	139
.125. ▶	1680.125.12	1680.125.14	137	149
.150. ▶	1680.150.12	1680.150.14	162	174
.175. ▶	1680.175.12	1680.175.14	187	199
.200. ▶	1680.200.12	1680.200.14	212	224
.225. ▶	1680.225.12	1680.225.14	237	249
.250. ▶	1680.250.12	1680.250.14	262	274

Full set with assembled Quickflange, please add index QF ▶ e.g. 1680.250.12.QF. Quickflange unassembled: Part No. 16800.QF

*only the fixed end is locking, the moving end is pivoting (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



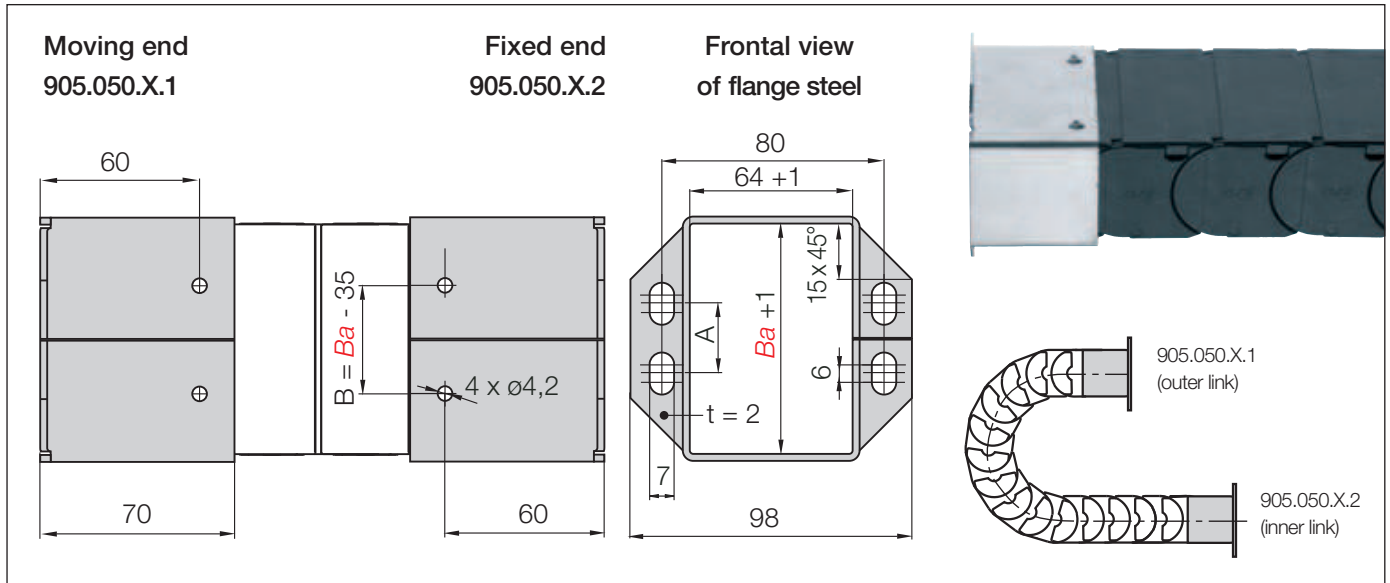
Part No. structure

1680. 100. 12 A

A...must be indicated on preassembled configurations
Full set pivoting = 12
Width index
 Mounting bracket for selected width index

 **Strain relief** e.g. clamps, tiwrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 656

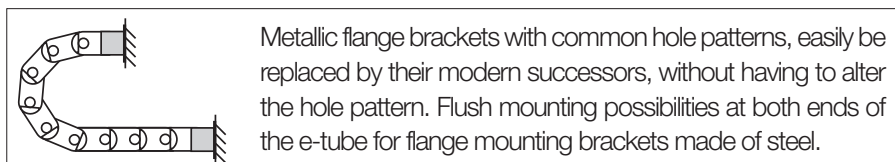
Mounting brackets, flange steel | locking



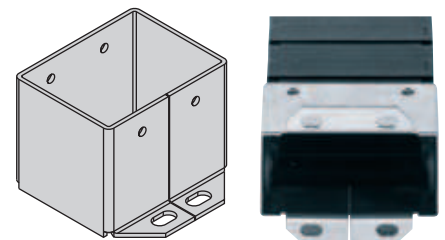
Flange steel, pivoting | Recommended for short travels

Width Index	Hole pattern	Part No. full set steel, flange	<i>Bi</i> [mm]	<i>Ba</i> [mm]	Dim. A [mm]	Dim. B [mm]
.075. ▶	68.01	905.050.1.12	75	93	30	58
.115. ▶	68.02	905.050.2.12	115	133	50	98
.175. ▶	68.03	905.050.3.12	175	193	100	158

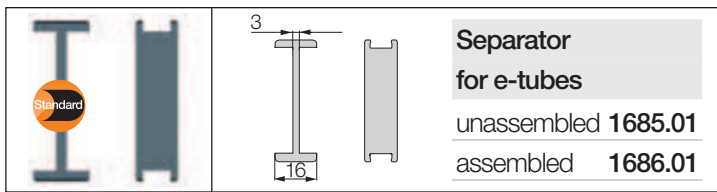
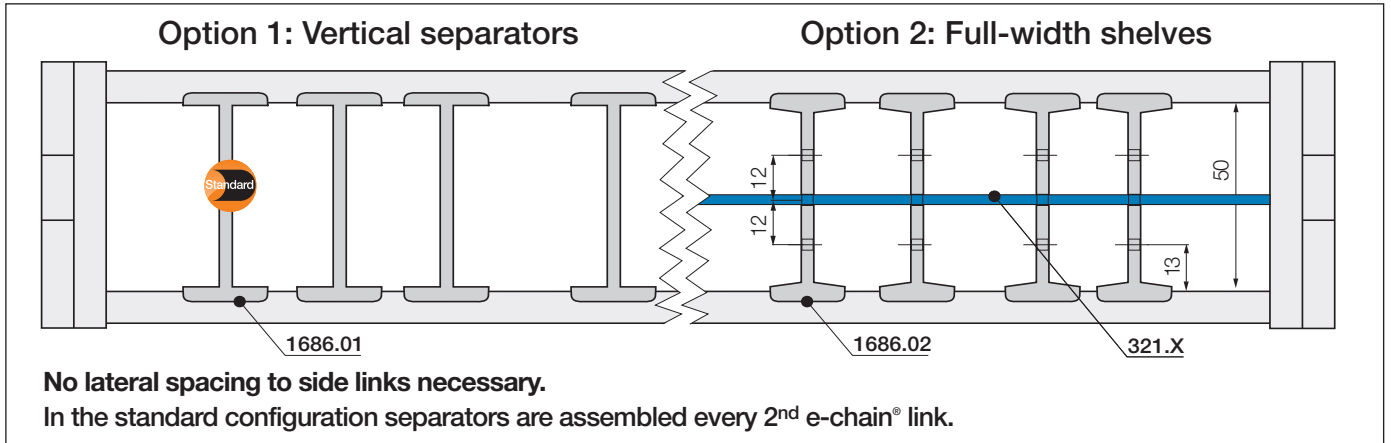
Mounting only with hexagon socket DIN 912 M6 and washer DIN 125, 6,3 mm



Flange steel mounting brackets for E2 e-tubes

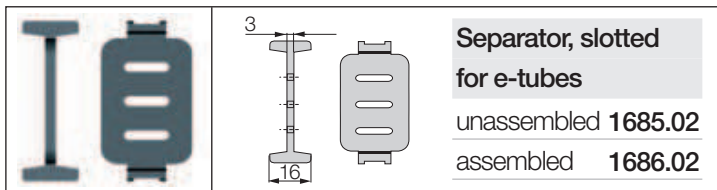


Strain relief e.g. clamps, tiwrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options ▶ from page 656



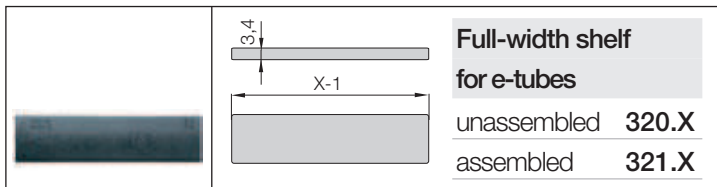
Separator 1685.01

For a vertical subdivision.
Offers safe stability due to its wide base design, also when used with thick cables or hoses.



Slotted separator 1685.02

Is used when vertical separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.



Full-width shelf 320.X

This option makes sense in applications with many thin cables with similar diameters. Full-width shelves can be arranged at 3 different heights (in 12 mm increments).

Full-width shelf

Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
050	320.050	321.050	150	320.150	321.150	250	320.250	321.250
075	320.075	321.075	175	320.175	321.175			
115	320.115	321.115	200	320.200	321.200			
125	320.125	321.125	225	320.225	321.225			

