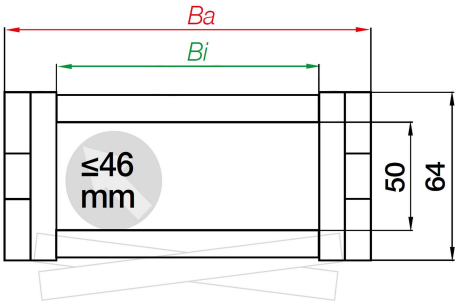


Energy tube R167 | Cost effective, protection against dirt and swarf, openable along the inner radius | inner height: 50mm

167.100.200.0.+



Energy tube R167 | Cost effective, protection against dirt and swarf, openable along the inner radius | inner height: 50mm

- Inner height hi: 50mm
- Inner width Bi: 50 - 250mm
- Bend radii R: 100 - 300mm
- Pitch: 58.8mm
- High level of protection against swarf
- Robust and sealed

Outer height Ha	64 mm
Inner height [Hi]	50 mm
Inner width [Bi]	100 mm
Max. cable diameter	46 mm
Outer width [Ba]	118 mm

Product description

Introducing the Energy Tube R167, designed for low to medium speed applications in challenging environments like woodworking and steel mills. This cost-effective tube offers exceptional protection against dirt and swarf, ensuring durability and reliability. Its robust, sealed construction keeps your machinery safe from contaminants. With an inner height of 50mm and a convenient openable design along the inner radius, the R167 is the perfect solution for maintaining efficiency in hostile work conditions.

Dynamic properties

v max. unsupported (speed)	10 m/s
v max. gliding (speed)	0.5 m/s



Dimensions

Inner height [Hi]	50 mm
Inner width [Bi]	100 mm
Outer height Ha	64 mm
Outer width [Ba]	118 mm
Bend radius [R]	200 mm
Pitch	58.8 mm
Chain links per metre	17
Max. cable diameter	46 mm
H	464 mm
D	320 mm
K	750 mm
Velocity FLG unsupported max.	10 m/s
Acceleration FLG max.	100 m/s ²
Maximum unsupported length	2.5 m

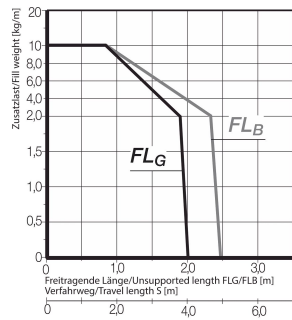
General properties

Opening principle	Openable along inner radius
Maximum fill weight	10 kg/m
Colour	black
Material	igumid G LW
Energy chain system	E2 R100
Shipping weight (kg or kg/m)	2.175847

Certificates and standards



Additional information and diagrams



The unsupported length depends on fill weight

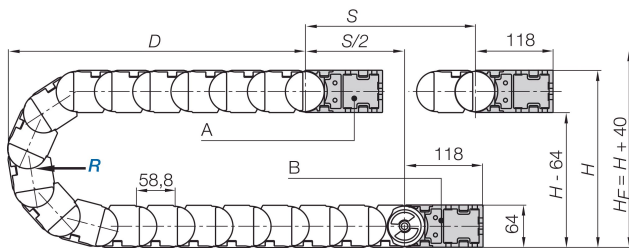
X axis: unsupported length in m FLB/FLG

Y axis: fill weight in kg/m

Lower scale: travel S in m

FLB = unsupported with permissible sag

FLG = unsupported with straight upper run



A = moving end, B = fixed end

Pitch: 58.8mm

Chain links per m: 17

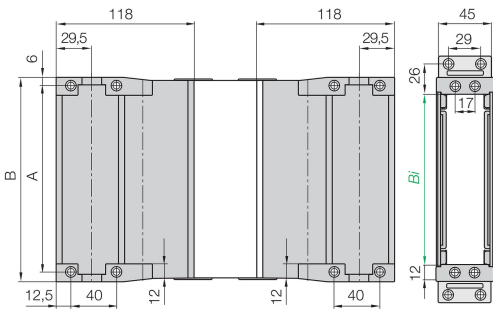
Travel: S

Tube length = $\frac{S}{2} + KK$ = Surcharge for bending radius for e-chain length calculation in mm

Note: Chain length for the e-chain links is rounded up, as there are no half links.



Mounting brackets KMA - pivoting

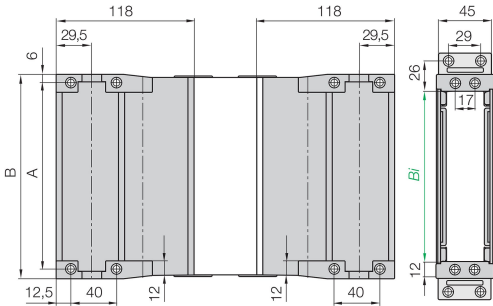


Part number	with C-profile	Mounting type	Alignment (mounting bracket)
1680.100.12.A	No	A	pivoting
1680.100.12QF.A		A	pivoting

Mounting type



Mounting brackets KMA - fixed

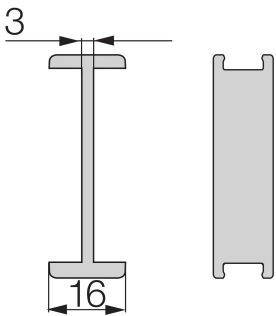
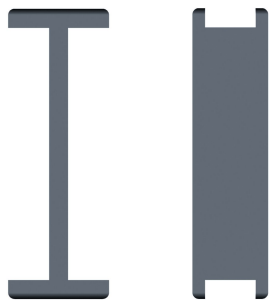


Part number	with C-profile	Mounting type	Alignment (mounting bracket)
1680.100.14.A	No	A	fixed
1680.100.14QF.A		A	fixed

Mounting type



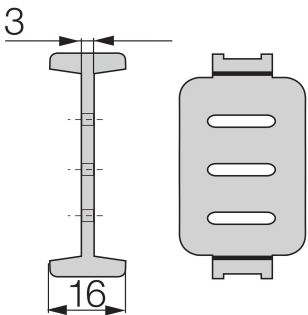
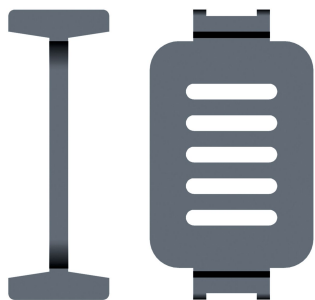
Seperators



Standard separator, unassembled

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

Part number	Mounted
1685.01.+	No



Separator, slotted, unassembled

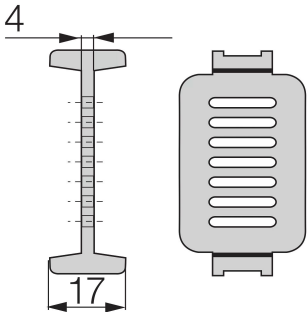
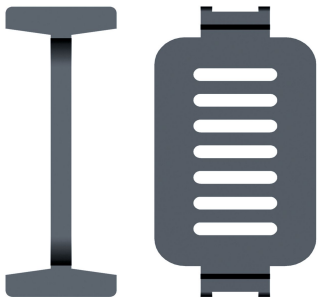
Vertical separation in energy tubes. The slot allows basic vertical and horizontal shelving arrangements.

Part number	Mounted
1685.02	No



Separator, slotted, unassembled

Part number	Mounted
1685.02.+	No



Slotted separator for partial shelves, unassembled

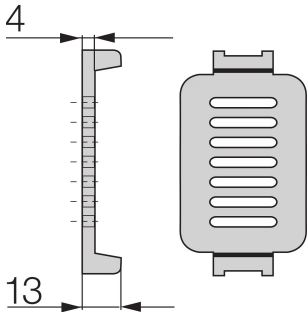
Allows modular shelving arrangements.

Part number	Mounted
1685.03	No



Middle plate, unassembled

Part number	Mounted
1685.03.+	No



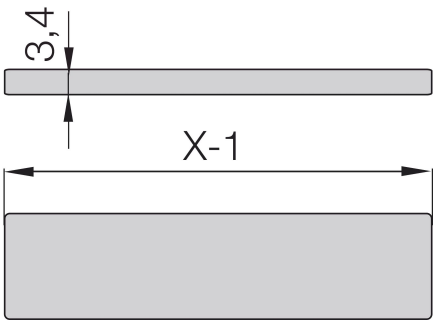
Side plate slotted, unassembled

Allows modular shelving right up to the side links. No clearance required!

Part number	Mounted
1685.04	No



Shelves



Part number	Width	Mounted
320.100	100 mm	No
2200.18	19.2 mm	No
2200.23	24.2 mm	No
2200.28	29.2 mm	No
2200.33	34.2 mm	No
2200.38	39.2 mm	No
2200.42	43.2 mm	No
2200.43	44.2 mm	No
2200.48	49.2 mm	No
2200.58	59.2 mm	No
2200.65	66.2 mm	No
2200.68	69.2 mm	No
2200.73	74.2 mm	No
2200.88	89.2 mm	No
2200.99	99.2 mm	No