


Cable Carriers

Compact Type



<No101> <No202~No206>

RoHS10

| Type | Main Body Material | Mounting Bracket Material | Surface Treatment |
|----------------------------------|-----------------------|--|---|
| Cable Carrier + Mounting Bracket | MHPKS | Nylon 6 + Glass Fiber 20% (Operating Temperature -10~80°C) Flammability Standard UL94-HB Equiv. | EN 1.0330 Equiv. Trivalent Bright Chromate Plating |

External Dimension Diagram

Cross Section View

Only the bracket for MHPKS101 is EN 1.4301 Equiv. and has no surface treatment.

The above is a drawing of Cable Carrier assembled with 10 links and mounting brackets.

Cautions:

- Cable Carrier (10 Links and 1 Link) and mounting brackets are not assembled together at the time of delivery. Link connection and brackets assembly are required for use.
- Install the mounting bracket fixed end on the lower side, and moving end on the upper side. (Refer to the Positional Relationship in External Dimension Diagram)
- Mounting bracket shape varies depending on size.

Drawing below is for MHPKS101 only.

| Part Number | | Bending Radius Selection | Number of Links | Mounting Direction * | Cable Carrier Dimensions | | | | | | | | Mounting Dimensions | | | | H | H ₁ | HF (Required Physical Height) | K (Arc + Margin) | Weight per Meter (kg) (Reference) | | |
|--|-----|--------------------------|-----------------|----------------------|--------------------------|----|----|----|----|----|------|------|---------------------|-------|---|--|-------------------|----------------|----------------------------------|---------------------|--------------------------------------|-------|-------|
| Type | No. | | | | A | B | C | W | P | ℓ | F | T | J | N | Moving End P ₁ P ₂ | Fixed End P ₁ P ₂ | (Mounting Height) | | | | | | |
| MHPKS (Cable Carrier + Mounting Brackets) | 101 | 19 | 5~25 | A | 9 | 12 | 9 | 16 | 20 | 18 | - | 8 | 9 | 3.2 | - | - | - | 50 | 38 | 62 | 109.7 | 0.105 | |
| | 202 | 30 | 6~34 | | 16 | 20 | 18 | 26 | 25 | 30 | 20 | 10 | 10 | 4.5 | 12.4 | 24.4 | 10.4 | 22.4 | 80 | 60 | 95 | 144.2 | 0.222 |
| | | 45 | 8~36 | | 16 | 20 | 24 | 32 | 25 | 30 | | | | | 110 | 90 | 125 | 191.3 | | | | | |
| | 203 | 30 | 6~34 | | 16 | 20 | 24 | 32 | 25 | 30 | 18.4 | 30.4 | 16.4 | 28.4 | 80 | 60 | 95 | 144.2 | 0.24 | | | | |
| | | 45 | 8~36 | | 16 | 20 | 24 | 32 | 25 | 30 | 110 | 90 | 125 | 191.3 | | | | | | | | | |
| | 204 | 38 | 6~31 | | 16 | 22 | 29 | 43 | 32 | 43 | 32 | 18 | 14 | 5.8 | 23.6 | 39.6 | 20 | 36 | 98 | 76 | 118 | 179.3 | 0.45 |
| | | 50 | 7~32 | | 16 | 22 | 29 | 43 | 32 | 43 | | | | | 122 | 100 | 142 | 217 | | | | | |
| | 206 | 38 | 6~31 | | 16 | 22 | 44 | 59 | 32 | 43 | 32 | 18 | 14 | 5.8 | 39.6 | 55.6 | 36 | 52 | 98 | 76 | 118 | 179.3 | 0.51 |
| | | 50 | 7~32 | | 16 | 22 | 44 | 59 | 32 | 43 | | | | | 122 | 100 | 142 | 217 | | | | | |

| Part Number | Bending Radius Selection | Number of Links | Mounting Direction * | Unit Price | |
|--|--------------------------|-----------------|----------------------|---|--|
| | | | | Cable Carrier + Mounting Bracket (One Link Unit Price x Number of Links) + Mounting Bracket Price | |
| MHPKS (Cable Carrier + Mounting Brackets) | 101 | 19 | 5~25 | A | |
| | 202 | 30 | 6~34 | | |
| | 203 | 30 | 6~34 | | |
| | 203 | 45 | 8~36 | | |
| | 204 | 38 | 6~31 | | |
| | 204 | 50 | 7~32 | | |
| | 206 | 38 | 6~31 | B | |
| | 206 | 50 | 7~32 | | |

- <Cautions on Model Selection>
- A Cable Carrier and suitable Mounting Brackets (Moving Ends x1 set, Fixed Ends x1 set) are in a set.
 - Please note that part number varies depending on outer/inner circumference mounting.

Ordering Example: Part Number - Bending Radius - Number of Links - Mounting Direction

MHPKS203 - 30 - 18 - A

Mounting Direction

For Moving Ends

- Mounting on the Outer Circumference
- Mounting on the Inner Circumference

For Fixed Ends

- Mounting on the Outer Circumference
- Mounting on the Inner Circumference

In the case of new designs, there may be a possibility that carrier links run short. It is recommended that links are selected longer by one or two links, and are adjusted (removed) at the time of installing (removing) device.

* Mounting Bracket Structural Components

| No. | Mounting Direction | Mounting Bracket Structural Components For Moving Ends | Mounting Bracket Structural Components For Fixed Ends |
|---------|--|--|--|
| 101 | S (Common to Mounting on the Outer and Inner Circumferences) | Common to Mounting on the Outer and Inner Circumferences | Common to Mounting on the Outer and Inner Circumferences |
| 202~206 | A | Common to Mounting on the Outer and Inner Circumferences | Common to Mounting on the Outer and Inner Circumferences |
| | B | Common to Mounting on the Outer and Inner Circumferences | Common to Mounting on the Outer and Inner Circumferences |

Link Connection and Disconnection


Link Connection

Link Disconnection

- Place links in the same direction and push from both sides to connect.
- Insert a flathead screwdriver tip between the links and pry to disconnect.

Cable Carriers

Flap Open-Close Type



RoHS10

| Type | Main Body Material | Mounting Bracket Material | Surface Treatment |
|----------------------------------|-----------------------|--|---|
| Cable Carrier + Mounting Bracket | MHPUS | Nylon 6 + Glass Fiber 20% (Operating Temperature -10~80°C) Flammability Standard UL94-HB Equiv. | EN 1.0330 Equiv. Trivalent Bright Chromate Plating |

External Dimension

Cross Section View

Only the bracket for MHPUS102 is EN 1.4301 Equiv. and has no surface treatment.

Cautions:

- Cable Carrier (10 Links and 1 Link) and mounting brackets are not assembled together at the time of delivery. Link connection and brackets assembly are required for use.
- Install the mounting bracket fixed end on the lower side, and moving end on the upper side. (Refer to the Positional Relationship in External Dimension Diagram)
- Mounting bracket shape varies depending on size.

Drawing below is for MHPUS102 only.

| Part Number | | Bending Radius Selection | Number of Links | Mounting Direction * | Cable Carrier Dimensions | | | | | | | | | | Mounting Dimensions | | | | | | H | | HF | K | Weight per Meter (kg) |
|--|-----|--------------------------|-----------------|----------------------|--------------------------|-----|-----|-------|----|----|------|------|---------|-----|---------------------------|----------------|--------------------------|----------------|-------------------|----------------|----------------------------|----------------|-------------|---|-----------------------|
| Type | No. | | | | A | B | C | W | P | ℓ | F | T | J | N | Moving End P ₁ | P ₂ | Fixed End P ₁ | P ₂ | (Mounting Height) | H ₁ | (Required Physical Height) | (Arc + Margin) | (Reference) | | |
| MHPUS (Cable Carrier + Mounting Brackets) | 102 | 19 | 5~23 | A | 9 | 12 | 20 | 27 | 20 | 30 | 22 | 12 | 25 (23) | 4.5 | - | - | - | - | 50 | 38 | 65 | 99.7 | 0.12 | | |
| | 202 | 30 | 6~34 | | 14 | 20 | 14 | 26 | 25 | 30 | 20 | 10 | 10 | 4.5 | 9.8 | 21.8 | 8 | 20 | 70 | 50 | 85 | 128.5 | 0.25 | | |
| | | 45 | 8~36 | | 80 | 60 | 95 | 144.2 | | | | | | | | | | | | | | | | | |
| | 203 | 30 | 6~34 | | 14 | 20 | 20 | 32 | 25 | 30 | 15.8 | 27.8 | 14 | 26 | 80 | 60 | 95 | 144.2 | 0.26 | | | | | | |
| | | 45 | 8~36 | | 110 | 90 | 125 | 191.3 | | | | | | | | | | | | | | | | | |
| | 204 | 38 | 6~36 | | 14 | 22 | 20 | 40 | 32 | 43 | 17.4 | 33.4 | 14 | 30 | 98 | 76 | 118 | 179.3 | 0.5 | | | | | | |
| | | 50 | 7~37 | | 122 | 100 | 142 | 217 | | | | | | | | | | | | | | | | | |
| | 206 | 38 | 6~36 | | 14 | 22 | 40 | 60 | 32 | 43 | 32 | 18 | 14 | 5.8 | 37.4 | 53.4 | 34 | 50 | 98 | 76 | 118 | 179.3 | 0.56 | | |
| | | 50 | 7~37 | | 122 | 100 | 142 | 217 | | | | | | | | | | | | | | | | | |
| | 306 | 50 | 6~38 | | 24 | 34 | 44 | 60 | 45 | 60 | 40 | 24 | 20 | 7 | 35.6 | 55.6 | 32 | 52 | 134 | 100 | 160 | 257 | 0.64 | | |
| | | 100 | 10~42 | 234 | 200 | 260 | 414 | | | | | | | | | | | | | | | | | | |
| | 408 | 50 | 6~38 | B | 24.5 | 40 | 58 | 78 | 45 | 60 | 40 | 24 | 22 | 7 | 44 | 72 | 40 | 68 | 140 | 100 | 170 | 257 | 1.1 | | |
| | | 75 | 8~40 | | | | | | | | | | | | | | | | 190 | 150 | 220 | 335.5 | | | |
| | | 100 | 10~42 | | | | | | | | | | | | | | | | 240 | 200 | 270 | 414 | | | |
| | | 150 | 13~45 | | | | | | | | | | | | | | | | 340 | 300 | 370 | 571 | | | |
| | 412 | 50 | 6~38 | 24.5 | 40 | 97 | 117 | 45 | 60 | 40 | 24 | 22 | 7 | 83 | 111 | 79 | 107 | 140 | 100 | 170 | 257 | 1.3 | | | |
| 75 | | 9~41 | 190 | | | | | | | | | | | | | | | 150 | 220 | 335.5 | | | | | |
| | 100 | 10~42 | 240 | 200 | 270 | 414 | | | | | | | | | | | | | | | | | | | |

| Part Number | Bending Radius Selection | Number of Links | Mounting Direction * | Unit Price | |
|--|--------------------------|-----------------|----------------------|---|--|
| | | | | Cable Carrier + Mounting Bracket (One Link Unit Price x Number of Links) + Mounting Bracket Price | |
| MHPUS (Cable Carrier + Mounting Brackets) | 102 | 19 | 5~23 | A | |
| | 202 | 30 | 6~34 | | |
| | 203 | 30 | 6~34 | | |
| | 203 | 45 | 8~36 | | |
| | 204 | 38 | 6~36 | | |
| | 204 | 50 | 7~37 | | |
| | 206 | 38 | 6~36 | | |
| | 206 | 50 | 7~37 | | |
| | 306 | 50 | 6~38 | | |
| | 306 | 100 | 10~42 | | |
| MHPUS (Cable Carrier + Mounting Brackets) | 408 | 50 | 6~38 | B | |
| | 408 | 75 | 8~40 | | |
| | 408 | 100 | 10~42 | | |
| | 408 | 150 | 13~45 | | |
| | 412 | 50 | 6~38 | | |
| | 412 | 75 | 9~41 | | |
| | 412 | 100 | 10~42 | | |
| | 412 | 150 | 13~45 | | |
| | 412 | 50 | 6~38 | | |
| | 412 | 75 | 9~41 | | |

- <Cautions on Model Selection>
- A Cable Carrier and suitable Mounting Brackets (Moving Ends x1 set, Fixed Ends x1 set) are in a set.
 - Please note that part number varies depending on outer/inner circumference mounting.

Ordering Example: Part Number - Bending Radius - Number of Links - Mounting Direction

MHPUS408 - 50 - 25 - A

Flap Opening and Closing

Link Connection (Common)

Link Disconnection (Common)

- To open the flap, insert the tip of a flathead screwdriver into the side window and pry. To close the flap, push down.
- Open link flaps, mate the blocks with each other and push the both ends to joint fit together.
- Open the link flaps, insert a flathead screwdriver in a gap between the links to disconnect.