



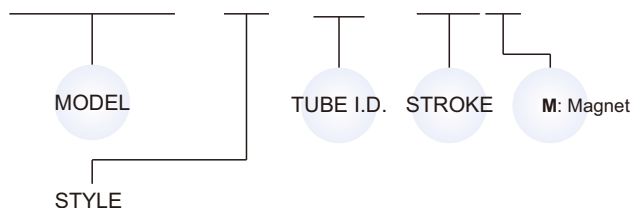
Table for standard stroke


| Tube I.D. | Stroke (mm) |
|-----------|-----------------------------------|
| φ 32, 40 | 50,75,100,125,150,175,200,250,300 |

- Stroke out of specification is also available.
- Please consult us if stroke out of specification.

Order example

MCKQI2 – 11 – 32 – 100M






| Code | Symbol | Description |
|------|---|-----------------------------|
| 1 1 |  | Double acting / Male thread |

- ※ Order example for special specification, refer to page 0-7.
- ※ Order example for Rc or NPT thread please consult us.

Cylinder weight

Unit: kg

| Model | Basic weight | Basic weight (magnet) | Stroke 25 mm |
|-----------|---|---|---|
| Tube I.D. |  |  |  |
| φ 32 | 0.550 | 0.556 | 0.067 |
| φ 40 | 0.823 | 0.829 | 0.086 |

Hexagonal rod design & Non lubrication

Cylinder with hexagonal rod design enables non-rotation of rod. Special housing and bushing enables self lubrication of piston rod.

High quality long service life

Hard anodised aluminium cylinder tubes offer a high resistance to corrosion and low internal friction.

ISO-VDMA standard specification

Conforms to ISO-6431 and VDMA 24562 specification enabling worldwide interchangeability.

Easy to insert reed switch

With four grooves on the tube, proximity and reed sensors can be easily inserted into any position.

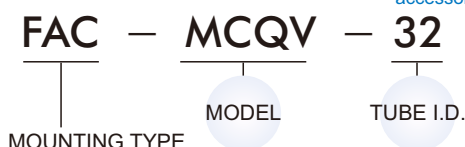
Specification

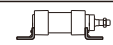
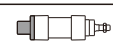
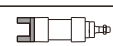
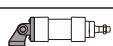
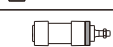

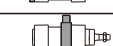





| Model | MCKQI2 | |
|-----------------------------|------------------------|-----------|
| Tube I.D. (mm) | 32 | 40 |
| Medium | Air | |
| Operating pressure | 0.05~1 MPa | |
| Proof pressure | 1.5 MPa | |
| Ambient temperature | -5~+60°C (No freezing) | |
| Available speed range | 50~500 mm/sec | |
| Rod non-rotating accuracy | ±0.5° | |
| Allowable rotational torque | 2.5kgf-cm | 4.5kgf-cm |
| Sensor switch (※) | RCI | |

※ RCI specification, please refer to page 8-11.

Mounting accessories

※ Use the same accessories with MCQV.



| | |
|---|--------------------|
|  | LB |
|  | CA |
|  | CB |
|  | CDB (+CB+Pin) |
|  | FAC |
|  | FBC |
|  | TA |
|  | TB |
|  | TC |
|  | Y |
|  | I |
|  | YS (Y+Flating pin) |

Model is MCKQI2

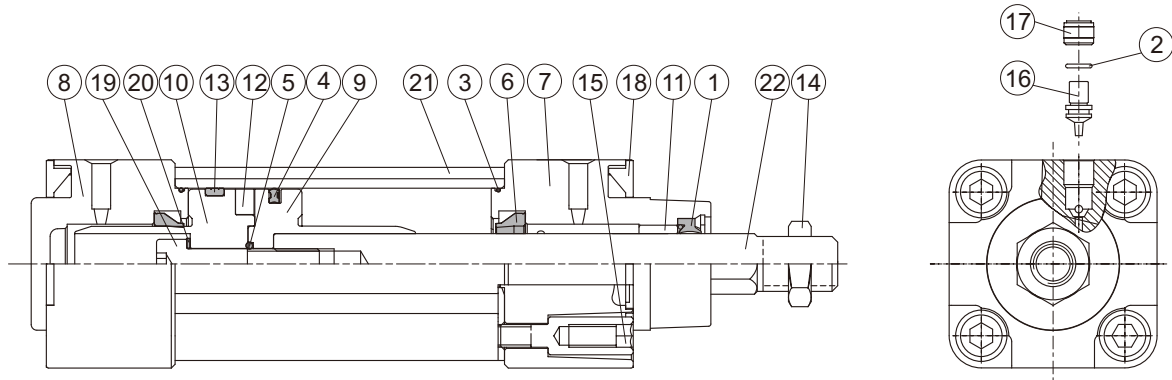
Refer to MCQV dimension

MCKQI2 Inside structure & Parts list & Dimensions



ISO-VDMA STANDARD WITH NO-ROTATION PROFILE CYLINDER

mindman

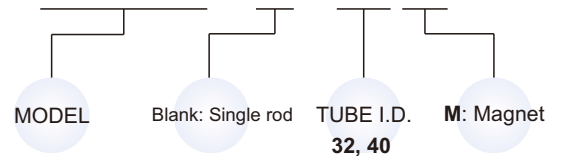


Material

| No. | Part name | Material | Q'y | Component parts (inclusion) | Repair kits (inclusion) |
|-----|-----------------|-----------------|-----|-----------------------------|-------------------------|
| 01 | Rod packing | NBR | 1 | ● | ● |
| 02 | O-ring | NBR | 2 | ● | ● |
| 03 | O-ring | NBR | 2 | ● | ● |
| 04 | Piston packing | NBR | 1 | ● | ● |
| 05 | O-ring | NBR | 1 | ● | ● |
| 06 | Cushion packing | NBR | 2 | ● | ● |
| 07 | Rod cover | Aluminum alloy | 1 | ● | |
| 08 | Head cover | Aluminum alloy | 1 | ● | |
| 09 | Piston-R | Aluminum alloy | 1 | ● | |
| 10 | Piston-H | Aluminum alloy | 1 | ● | |
| 11 | Bush | Bearing alloy | 1 | ● | |
| 12 | Magnet ring | Magnet material | 1 | ● | |
| 13 | Wear ring | Teflon | 1 | ● | |
| 14 | Nut | Carbon steel | 1 | ● | |
| 15 | Screw | Carbon steel | 8 | ● | |
| 16 | Needle valve | Copper alloy | 2 | ● | |
| 17 | Insert nut | Copper alloy | 2 | ● | |
| 18 | Cover plate | Plastic | 2 | ● | |
| 19 | Bolt | Carbon steel | 1 | ● | |
| 20 | Washer | Carbon steel | 1 | ● | |
| 21 | Cylinder tube | Aluminum alloy | 1 | ● | |
| 22 | Piston rod | Stainless steel | 1 | | |
| 23 | Snap ring | Spring steel | 1 | ● | |
| 24 | Washer | Carbon steel | 1 | ● | |

Order example of component parts

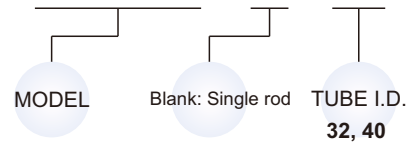
CP – MCKQI2 – □ – 40 M



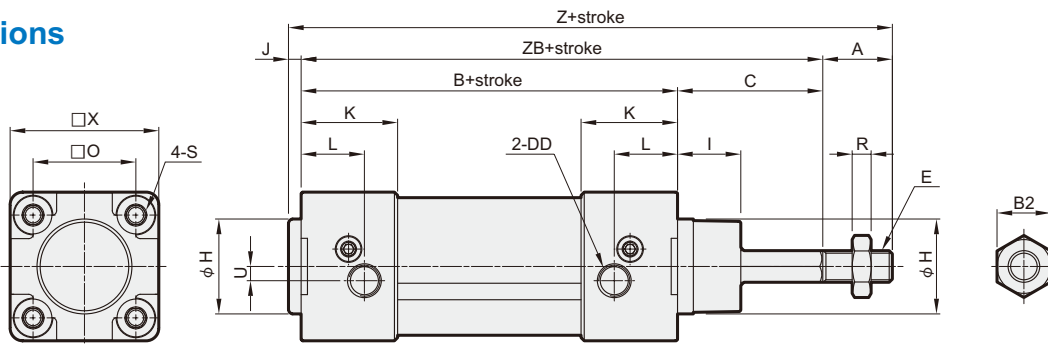
※ Order example for Rc or NPT thread please consult us.

Order example of repair kits

PS – MCKQI2 – □ – 40



Dimensions



| Code Tube I.D. | A | B | B2 | C | DD | E | H | I | J | K | L | O | R | S | U | X | Z | ZB |
|-------------------|----|-----|----|----|------|----------|----|------|---|------|------|------|---|--------|-----|----|-----|-----|
| 32 | 22 | 94 | 17 | 26 | G1/8 | M10×1.25 | 30 | 20 | 4 | 30.5 | 20 | 32.5 | 5 | M6×1.0 | 4.5 | 47 | 146 | 120 |
| 40 | 24 | 105 | 19 | 30 | G1/4 | M14×1.5 | 35 | 20.5 | 4 | 34 | 14.5 | 38 | 6 | M6×1.0 | 5.3 | 55 | 163 | 135 |