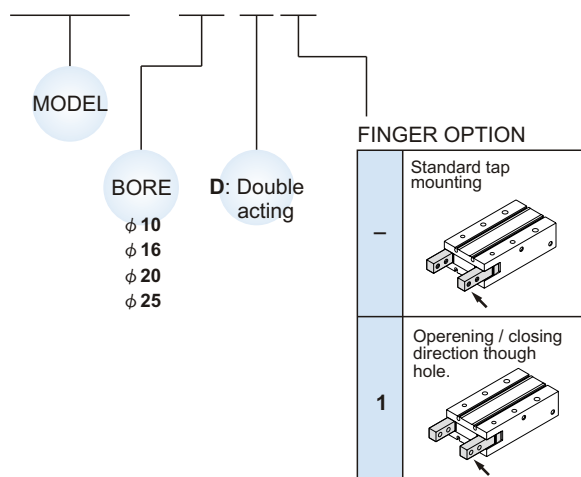


Order example

MCHY-16 D 1



Features

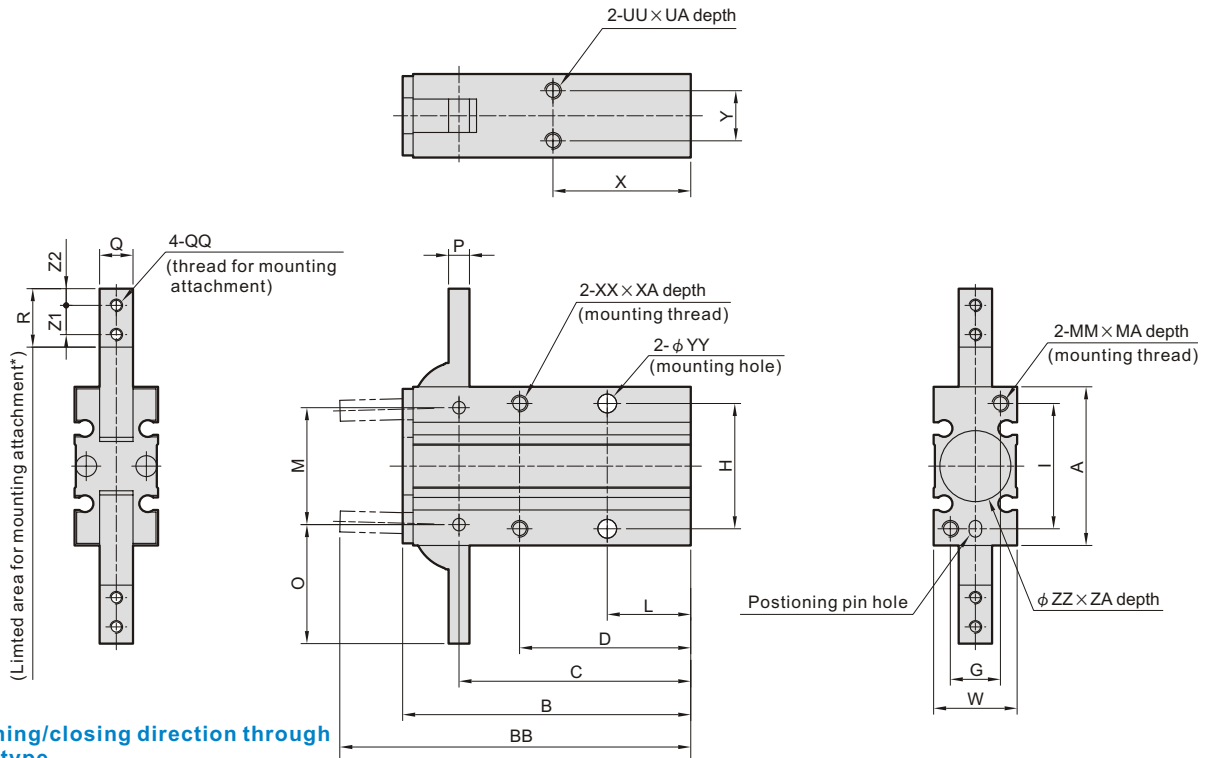
- Compact design and lightweight construction.
- High gripping forces achieved via internal cams.
- Reference points on gripping fingers are standard.
- Sensors can be mounted in any one of four positions.
- Dust seals protect all internal parts from ingress of dirt.

Specification

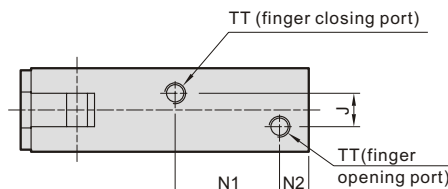
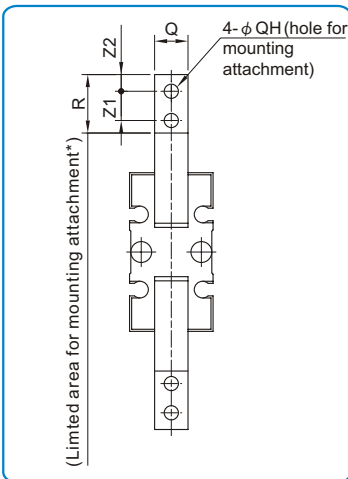
| Model | MCHY | | | |
|-----------------------------------|-------------------------------------|------------|------|------|
| Acting Type | Double Acting | | | |
| Tube I.D. (mm) | 10 | 16 | 20 | 25 |
| Medium | Air | | | |
| Operating pressure range | 0.1~0.6 MPa | | | |
| Ambient temperature | - 10~ + 60 °C (No freezing) | | | |
| Repeatability | ± 0.2 mm | | | |
| Max.operating frequency(c.p.m) | 60 | | | |
| Lubrication | Not required | | | |
| Effective force (Nm) at (0.5 MPa) | 0.16 | 0.54 | 1.10 | 2.28 |
| Operating angle (both sides) | Opened side | 180° ~182° | | |
| | Closed side | -3° | | |
| Sensor switch (※) | RT: Reed switch, RTN: NPN, RTP: PNP | | | |
| Weight (g) | 80 | 150 | 320 | 600 |

※ RT specification, please refer to page V-18.

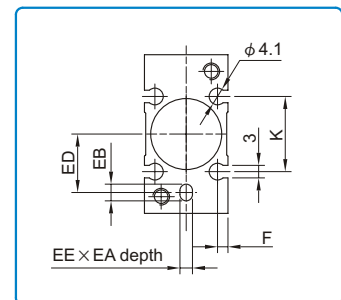
180° ANGULAR GRIPPER - Cam style



Opening/closing direction through hole type



Auto switch mounting groove position



*Do not extend the attachment from limited area for mounting to avoid interference with the attachment or main body.

| Code Tube I.D. | A | B | BB | C | D | EE | EA | EB | ED | F | G | H | I | J | K | L | M | MA | MM | N1 | N2 | O | P | Q | QH | QQ |
|-------------------|----|-----|-----|------|----|-------------------------------------|----|----|----|-----|----|----|----|----|----|----|----|----|--------|----|----|------|----|--|-----|--------|
| 10 | 30 | 58 | 71 | 47.5 | 35 | 3H9 ^{+0.025} ₋₀ | 3 | 4 | 9 | 2 | 9 | 24 | 24 | 3 | 13 | 18 | 22 | 6 | M3×0.5 | 23 | 7 | 23.5 | 4 | 6 ^{-0.005} _{-0.025} | 3.4 | M3×0.5 |
| 16 | 38 | 69 | 84 | 55.5 | 41 | 3H9 ^{+0.025} ₋₀ | 3 | 4 | 15 | 2.5 | 12 | 30 | 30 | 8 | 18 | 20 | 28 | 8 | M4×0.7 | 25 | 7 | 28.5 | 5 | 8 ^{-0.005} _{-0.025} | 3.4 | M3×0.5 |
| 20 | 48 | 86 | 106 | 69 | 50 | 4H9 ^{+0.030} ₋₀ | 4 | 5 | 19 | 3 | 16 | 36 | 38 | 12 | 20 | 25 | 36 | 10 | M5×0.8 | 32 | 8 | 37 | 8 | 10 ^{-0.005} _{-0.025} | 4.5 | M4×0.7 |
| 25 | 58 | 107 | 131 | 86 | 60 | 4H9 ^{+0.030} ₋₀ | 4 | 5 | 23 | 3 | 18 | 42 | 46 | 14 | 24 | 30 | 45 | 12 | M6×1 | 42 | 8 | 45 | 10 | 12 ^{-0.005} _{-0.025} | 5.5 | M5×0.8 |

| Code Tube I.D. | R | TT | UA | UU | W | X | XA | XX | Y | YY | ZA | ZZ | Z1 | Z2 |
|-------------------|------|--------|----|--------|----|----|----|--------|----|-----|-----|--------------------------------------|----|----|
| 10 | 12 | M5×0.8 | 4 | M3×0.5 | 15 | 30 | 6 | M3×0.5 | 9 | 3.4 | 1.5 | 11H9 ^{+0.043} ₋₀ | 6 | 3 |
| 16 | 14 | M5×0.8 | 5 | M4×0.7 | 20 | 33 | 8 | M4×0.7 | 12 | 4.5 | 1.5 | 17H9 ^{+0.043} ₋₀ | 7 | 4 |
| 20 | 18 | M5×0.8 | 8 | M5×0.8 | 26 | 42 | 10 | M5×0.8 | 14 | 5.5 | 1.5 | 21H9 ^{+0.052} ₋₀ | 9 | 5 |
| 25 | 22.5 | M5×0.8 | 10 | M6×1 | 30 | 50 | 12 | M6×1 | 16 | 6.6 | 1.5 | 26H9 ^{+0.052} ₋₀ | 12 | 6 |