

Specification

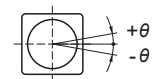
| Model | | MEQG-5 | | | |
|---------------------------------|-----------------|-------------------|-----|-----|------|
| Positioning repeatability (mm) | | ±0.01 | | | |
| Ball screw lead (mm) | | 2 | 5 | 10 | 20 |
| Maximum speed (*1) (mm/s) | | 100 | 250 | 500 | 1000 |
| Maximum payload (*2) | Horizontal (kg) | 30 | 30 | 15 | 10 |
| | Vertical (kg) | 10 | 10 | 5 | 2.5 |
| Rated thrust (N) | | 854 | 341 | 170 | 85 |
| Stroke / pitch (mm) | | 50~600 / 50 Pitch | | | |
| Motor output (W) | | 100 | | | |
| Ball screw spec (mm) | | C7ø12 | | | |
| Coupling (mm) | | 7×8 | | | |
| Home sensor (Outside) | | CS-6T (NPN) | | | |
| Anti-rotating accuracy (*3) (θ) | | ±0° | | | |

*1. Acceleration and deceleration value is set 0.2 second.

*2. If payload is near maximum, it requires to collocate externally with auxiliary radial load.

*3. Avoid using the electric actuator in such a way that rotational torque would be applied to the piston rod. This may cause deformation of the anti-rotating guide, abnormal responses of the auto switch, play in the internal guide or an increase in the sliding resistance.

Anti-rotating accuracy of rod



Order example

MEQG-5 — L05 — 100 — BC — M10 — C4

| | | | | | | |
|------------------------|-----------------------|--------------------------|--------------------|-----------------------|---------------------|--------------|
| Model | Size | Stroke | Motor brand | Flange face | Home sensor | Limit sensor |
| | | 50~600 mm 50 mm pitch | | | | |
| Ball screw lead | Motor position | Motor brand | Flange face | Home sensor | Limit sensor | |
| L02 2 mm | BC Direct connection | M Mitsubishi | 10 100W | Out side | Out side | |
| L05 5 mm | BM Lower side | M Yaskawa | | C Motor side | 3 1 Pc | |
| L10 10 mm | BR Right side | M Delta | | D Opposite motor side | 4 2 Pcs | |
| L20 20 mm | BL Left side | P Panasonic | No sensor | No sensor | | |
| | | | E None | 5 None | | |

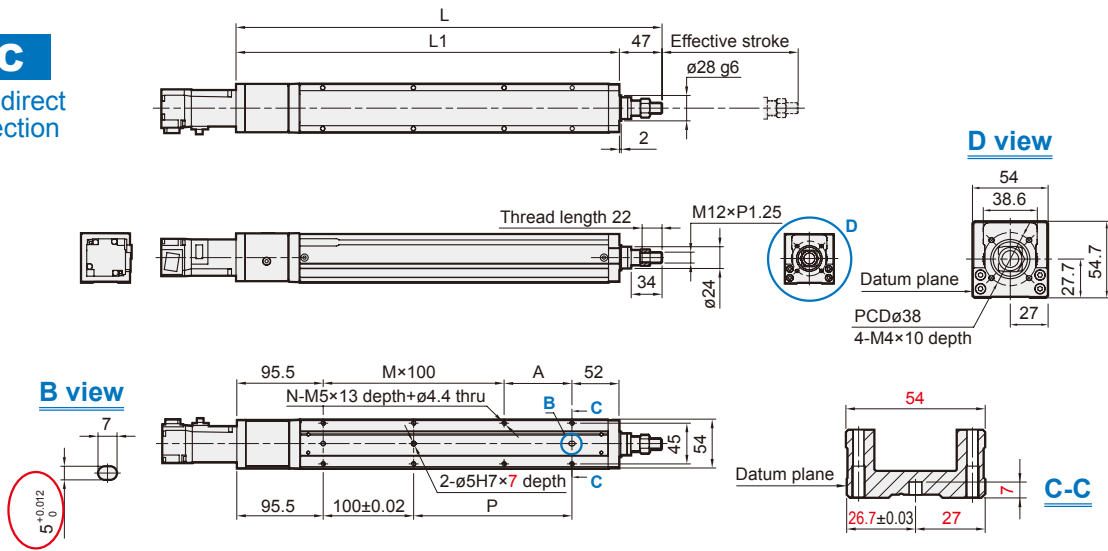
MEQG-5 Dimensions

ROD TYPE ELECTRIC CYLINDER (WITHOUT MOTOR)



BC

Motor direct connection

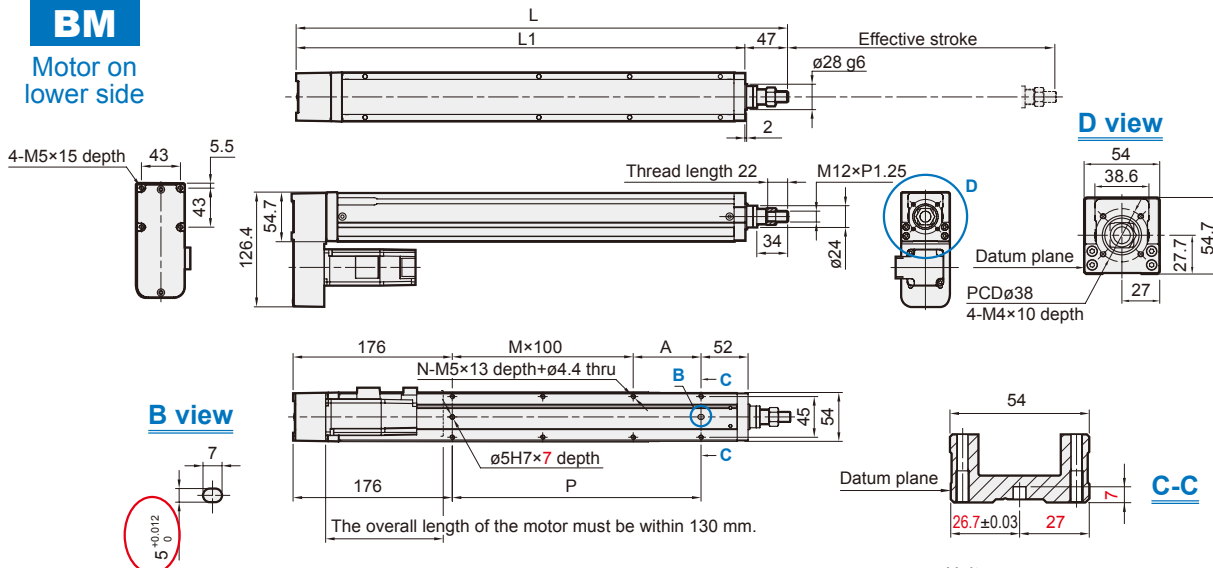


Unit: mm

| Stroke | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| L | 319.5 | 369.5 | 419.5 | 469.5 | 519.5 | 569.5 | 619.5 | 669.5 | 719.5 | 769.5 | 819.5 | 869.5 |
| L1 | 272.5 | 322.5 | 372.5 | 422.5 | 472.5 | 522.5 | 572.5 | 622.5 | 672.5 | 722.5 | 772.5 | 822.5 |
| A | 25 | 75 | 25 | 75 | 25 | 75 | 25 | 75 | 25 | 75 | 25 | 75 |
| M | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |
| N | 6 | 6 | 8 | 8 | 10 | 10 | 12 | 12 | 14 | 14 | 16 | 16 |
| P | 25 | 75 | 125 | 175 | 225 | 275 | 325 | 375 | 425 | 475 | 525 | 575 |
| KG | 2.17 | 2.36 | 2.56 | 2.76 | 2.95 | 3.15 | 3.35 | 3.54 | 3.74 | 3.94 | 4.13 | 4.33 |

BM

Motor on lower side



Unit: mm

| Stroke | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 |
|-----------|------|------|------|------|------|------|------|------|------|------|-----|-----|
| L | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 |
| L1 | 253 | 303 | 353 | 403 | 453 | 503 | 553 | 603 | 653 | 703 | 753 | 803 |
| A | 25 | 75 | 25 | 75 | 25 | 75 | 25 | 75 | 25 | 75 | 25 | 75 |
| M | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |
| N | 4 | 4 | 6 | 6 | 8 | 8 | 10 | 10 | 12 | 12 | 14 | 14 |
| P | 25 | 75 | 125 | 175 | 225 | 275 | 325 | 375 | 425 | 475 | 525 | 575 |
| KG | 2.34 | 2.53 | 2.73 | 2.93 | 3.12 | 3.32 | 3.52 | 3.71 | 3.91 | 4.11 | 4.3 | 4.5 |

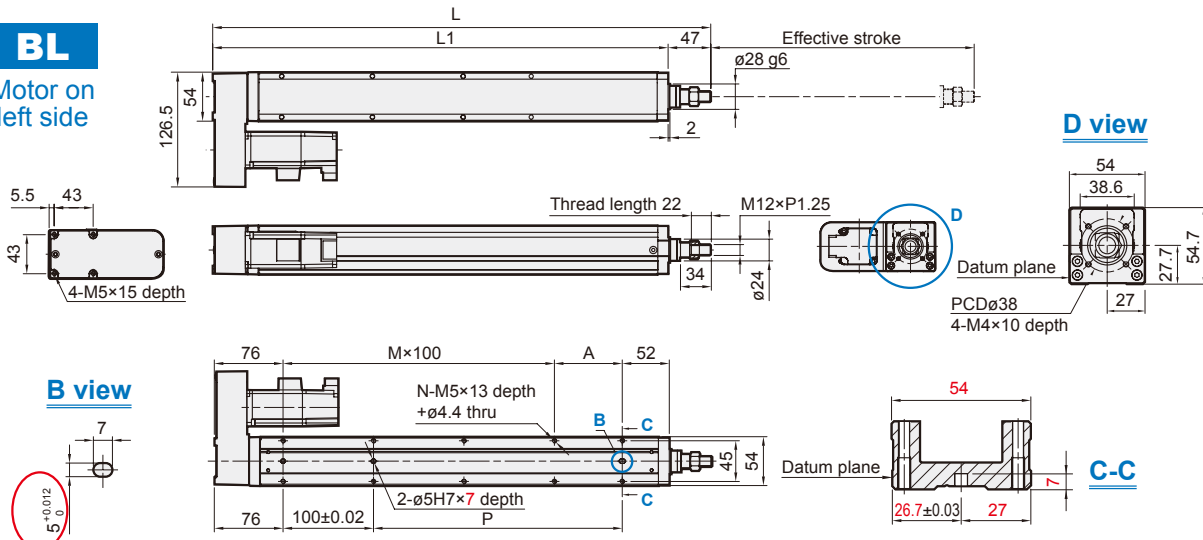
* When motor with brake assembled on lower side, or the total length over than spec limit, it may not use standard pinhole. Please contact us if you need more information and requirement.

MEQG-5 Dimensions

ROD TYPE ELECTRIC CYLINDER (WITHOUT MOTOR)



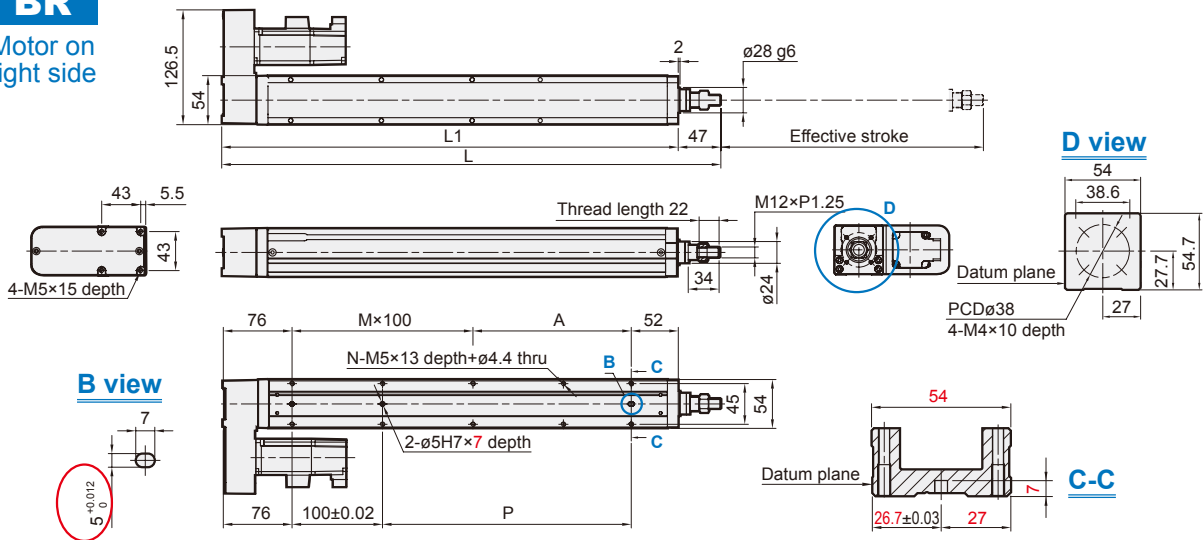
BL
Motor on left side



Unit: mm

| Stroke | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 |
|--------|------|------|------|------|------|------|------|------|------|------|-----|-----|
| L | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 |
| L1 | 253 | 303 | 353 | 403 | 453 | 503 | 553 | 603 | 653 | 703 | 753 | 803 |
| A | 25 | 75 | 25 | 75 | 25 | 75 | 25 | 75 | 25 | 75 | 25 | 75 |
| M | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |
| N | 6 | 6 | 8 | 8 | 10 | 10 | 12 | 12 | 14 | 14 | 16 | 16 |
| P | 25 | 75 | 125 | 175 | 225 | 275 | 325 | 375 | 425 | 475 | 525 | 575 |
| KG | 2.34 | 2.53 | 2.73 | 2.93 | 3.12 | 3.32 | 3.52 | 3.71 | 3.91 | 4.11 | 4.3 | 4.5 |

BR
Motor on right side



Unit: mm

| Stroke | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 |
|--------|------|------|------|------|------|------|------|------|------|------|-----|-----|
| L | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 |
| L1 | 253 | 303 | 353 | 403 | 453 | 503 | 553 | 603 | 653 | 703 | 753 | 803 |
| A | 25 | 75 | 25 | 75 | 25 | 75 | 25 | 75 | 25 | 75 | 25 | 75 |
| M | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |
| N | 6 | 6 | 8 | 8 | 10 | 10 | 12 | 12 | 14 | 14 | 16 | 16 |
| P | 25 | 75 | 125 | 175 | 225 | 275 | 325 | 375 | 425 | 475 | 525 | 575 |
| KG | 2.34 | 2.53 | 2.73 | 2.93 | 3.12 | 3.32 | 3.52 | 3.71 | 3.91 | 4.11 | 4.3 | 4.5 |