

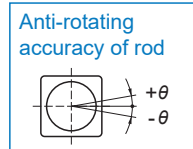
Specification

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 values are set to 0.2 second.

*2. If the payload is near maximum, external guideway for radial load is required.

*3. Please avoid applying axial torque on the anti-rotating guide.



Order example

MEQG-5 — L05 — 100 — BC — M10 — C4

Model

Size

Stroke

50~600 mm
50 mm pitch

Ball screw lead

L02	2 mm
L05	5 mm
L10	10 mm
L20	20 mm

Motor position

BC	Direct connection
BM	Lower side
BR	Right side
BL	Left side

Flange (For motor installation)

Applicable motor brand (*)		Dimensions	
M	Mitsubishi	10	100W servo
	Yaskawa		
	Delta		
P	Panasonic		

Home sensor

Out side	
C	Motor side
D	Opposite motor side
No sensor	
E	None

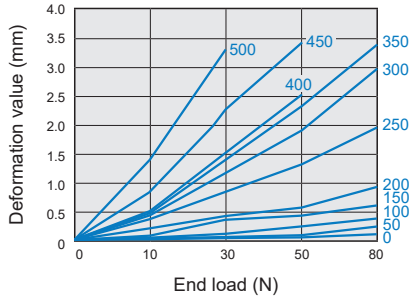
Limit sensor

Out side	
3	1 Pc
4	2 Pcs
No sensor	
5	None

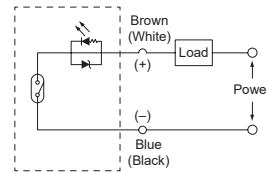
* Motor not included. Please refer to the "Motor Selection Table" on page 4-122 for details.

Shaft output deformation value

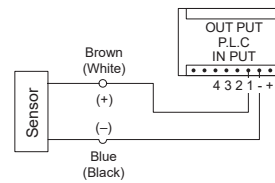
This form is only reference values.



Sensor layout



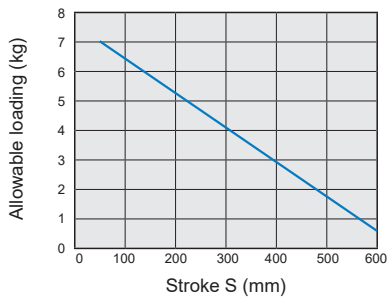
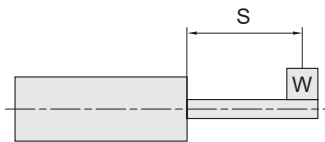
General load:
Such as relay or other resistive load.



Programmable controller connection diagram.

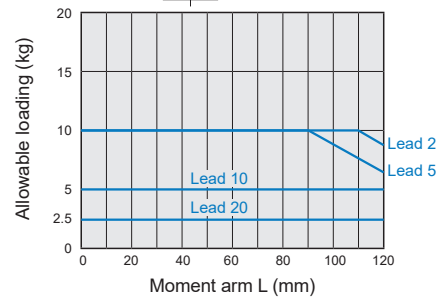
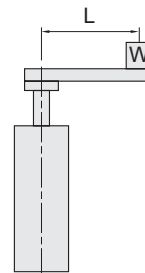
Allowable installation load

No external auxiliary mechanism, extension distance of load = 0



Load in vertical installation

Calculation conditions: 3000 rpm/min, acceleration and deceleration: 0.2s



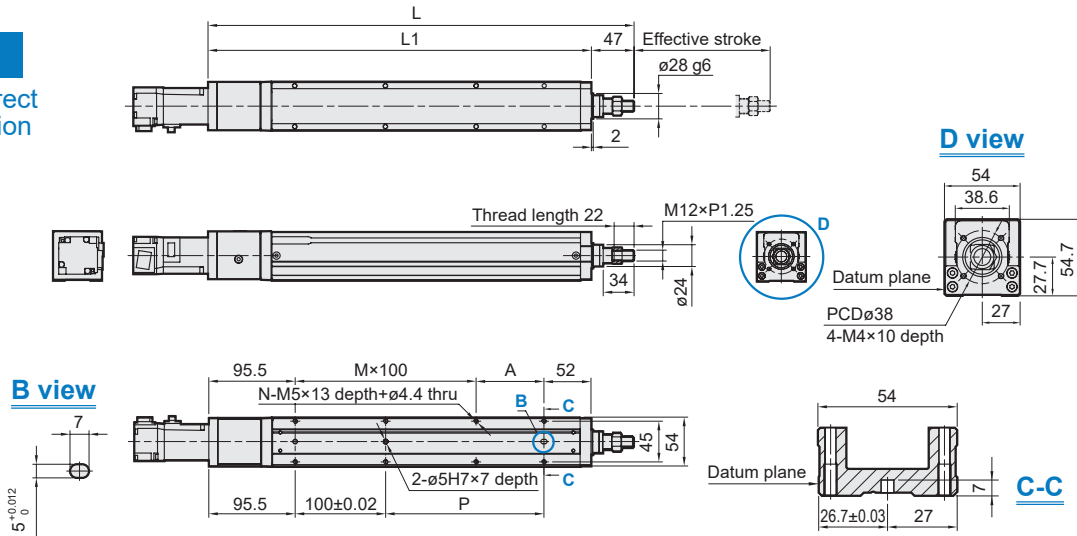
MEQG-5 Dimensions

ROD TYPE ELECTRIC CYLINDER (WITHOUT MOTOR)



BC

Motor direct connection

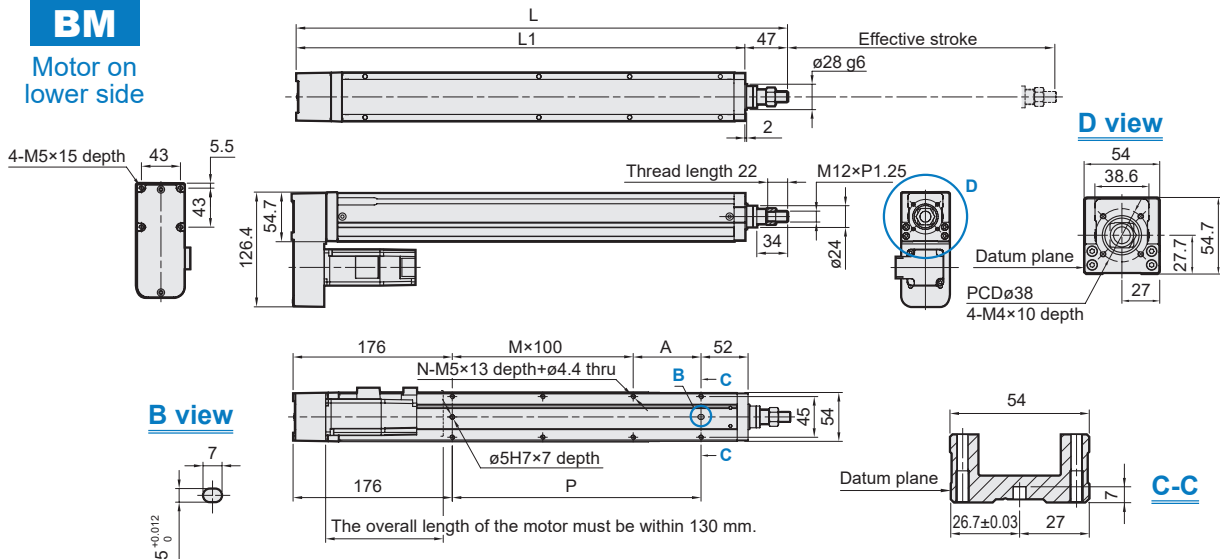


Unit: mm

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

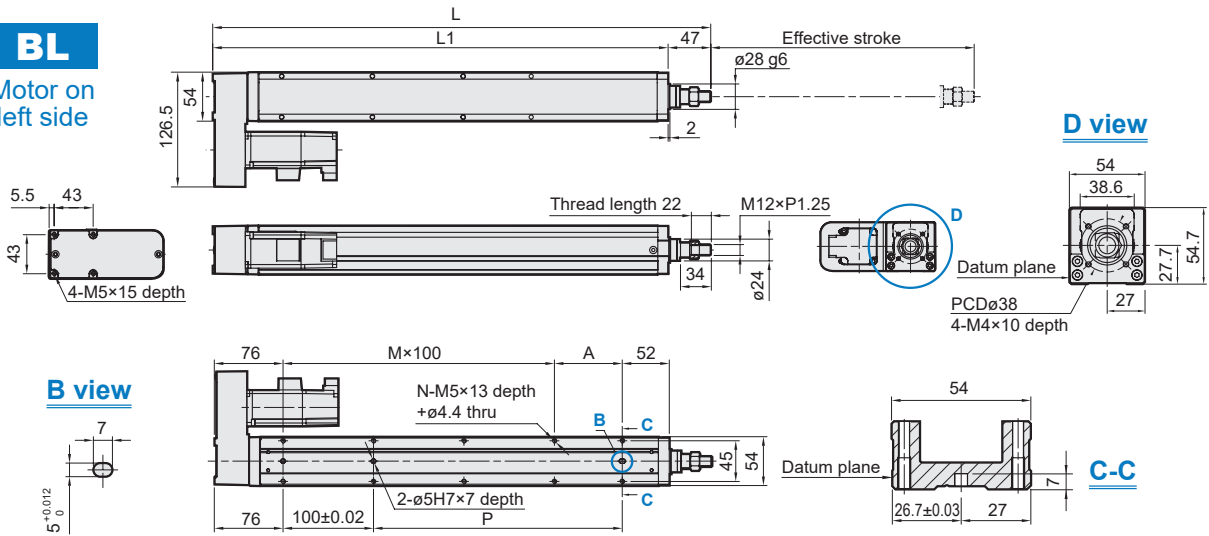
* When motor with brake assembled on lower side, or the total length over than spec limit, it may not use standard pinhole. Please contact us if you need more information and requirement.

MEQG-5 Dimensions

ROD TYPE ELECTRIC CYLINDER (WITHOUT MOTOR)



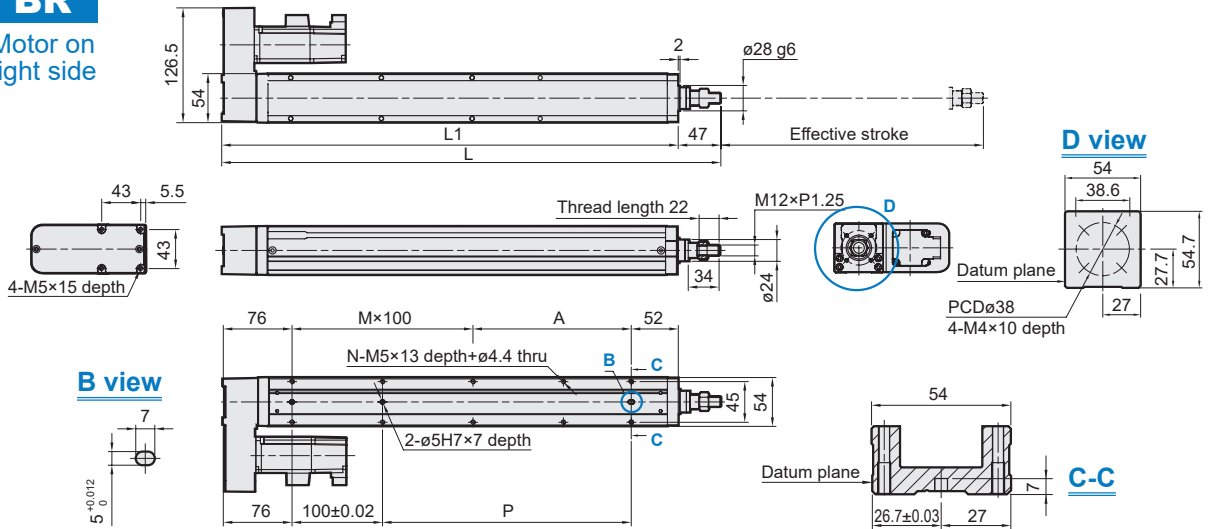
BL
Motor on left side



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