



Specification

Model		MEQG-8		
Repeatability (mm)		±0.01		
Ball screw lead (mm)		5	10	20
Maximum speed (mm/s) (*1)		250	500	1000
Maximum payload (*2)	Horizontal (kg)	50	30	18
	Vertical (kg)	15	8	3
Rated thrust (N) (*3)		683 (1388)	341 (694)	174 (347)
Stroke / pitch (mm) (*4)		50~800 / 50 Pitch		
Motor output (W)		200, 400		
Ball screw spec (mm)		C7ø16		
Coupling (mm)		10×14/11(*6)		
Home sensor (Outside)		CS-6T (NPN)		
Anti-rotating accuracy (θ) (*5)		±0°		

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

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

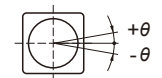
*3. () The value for power output 400W.

*4. When the stroke is over 750mm, the run-out of the ballscrew will occur. We recommend to low down the working speed under this circumstances.

*5. 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.

*6. Motor 200W shaft diameter: Panasonic: 11mm, Other: 14 mm.

Anti-rotating accuracy of rod



Order example

MEQG-8 - L10 - 100 - BC - M20B - C4 - 0001

Model

Spec.

Stroke

Special order no.

50~800 mm
50 mm pitch

Ball screw brand	
L	T-Standard MIT

Ball screw lead	
05	5 mm
10	10 mm
20	20 mm

Motor position	
BC	Exposed
BM	On lower side
BR	On right side
BL	On left side

Motor brand, power output, brakes				
SERVO motor				
M	Mitsubishi	20 40	200W 400W	B
P	Panasonic			
Y	Yaskawa			
T	Delta			

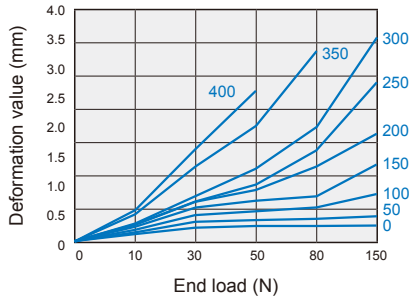
Home sensor	
Out side	
C	Motor side
D	Opposite motor side
No sensor	
E	None

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

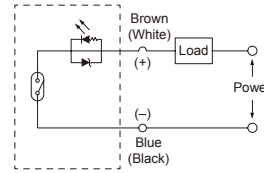
* Need not show B with no brake.

Shaft output deformation value

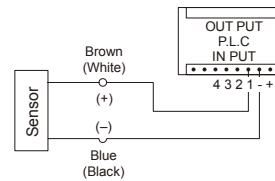
This form is only reference values.



Sensor layout



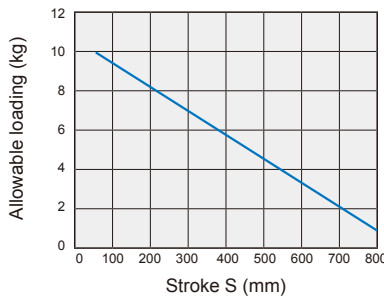
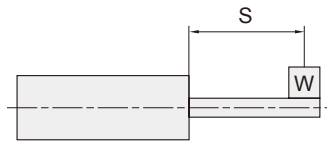
General load:
Such as relay or other resistive load.



Programmable controller connection diagram.

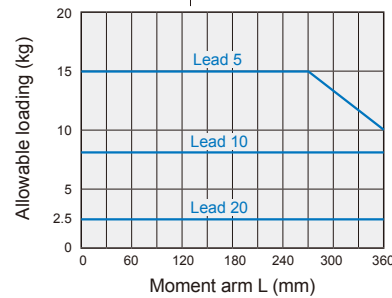
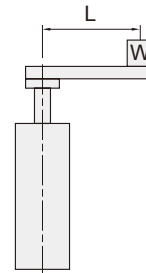
Allowable installation load

No external auxiliary mechanism, extension distance of load = 0



Load in vertical installation

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



Standard servo motors

Brand	Mark	Brake	Watt	AC-Voltage	Motor model	Compatible driver model
Mitsubishi	M	No brake(Horizontal type)	200	220	HG-KR23	MR-J4-20A
			400	220	HG-KR43	MR-J4-40A
		With brake(Vertical type)	200	220	HG-KR23B	MR-J4-20A
			400	220	HG-KR43B	MR-J4-40A
Panasonic	P	No brake(Horizontal type)	200	220	MHMD022G1U	MADHT1507
			400	220	MHMD042G1U	MBDHT2510
		With brake(Vertical type)	200	220	MHMD022G1V	MADHT1507
			400	220	MHMD042G1V	MBDHT2510
Delta	T	No brake(Horizontal type)	200	220	ECMA-C20602ES	ASD-B20221-B
			400	220	ECMA-C20604ES	ASD-B20421-B
		With brake(Vertical type)	200	220	ECMA-C20602FS	ASD-B20221-B
			400	220	ECMA-C20604FS	ASD-B20421-B

MEQG-8 Dimensions

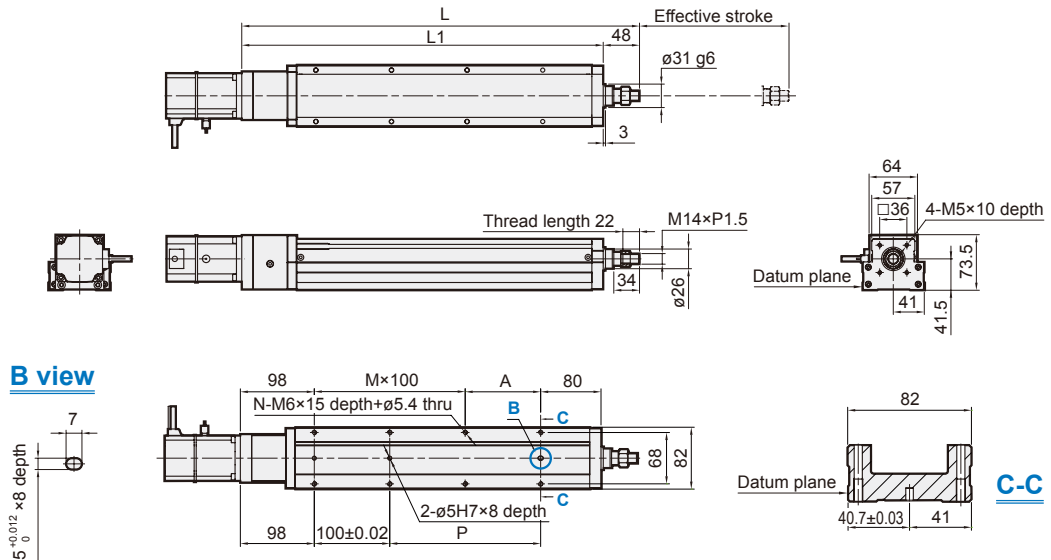


ROD ELECTRIC CYLINDER - BALL SCREW DRIVE (WITHOUT MOTOR)

mindman

BC

Motor exposed

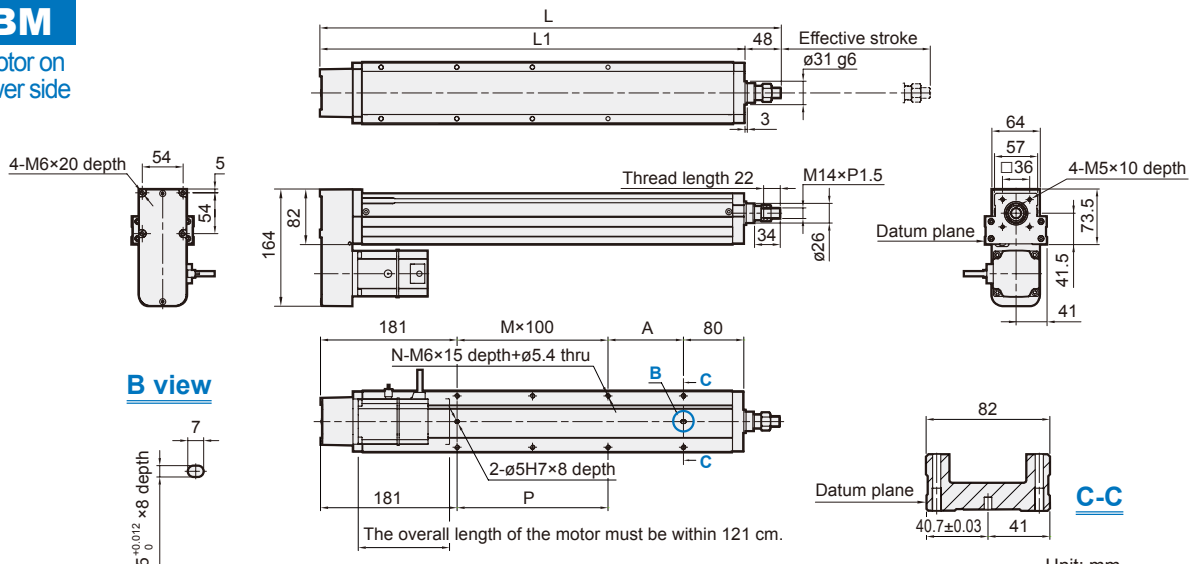


Unit: mm

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	376	426	476	526	576	626	676	726	775	826	876	926	976	1026	1076	1126
L1	328	378	428	478	528	578	628	678	728	778	828	878	928	978	1028	1078
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
KG	5.08	5.44	5.81	6.17	6.54	6.9	7.27	7.63	8	8.36	8.73	9.09	9.46	9.82	10.19	10.55

BM

Motor on lower side



Unit: mm

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	359	409	459	509	559	609	659	709	775	809	859	909	959	1009	1059	1109
L1	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011	1061
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7
N	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
KG	5.82	6.17	6.53	6.88	7.24	7.59	7.95	8.3	8.66	9.01	9.37	9.72	10.08	10.43	10.79	11.14

* 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.

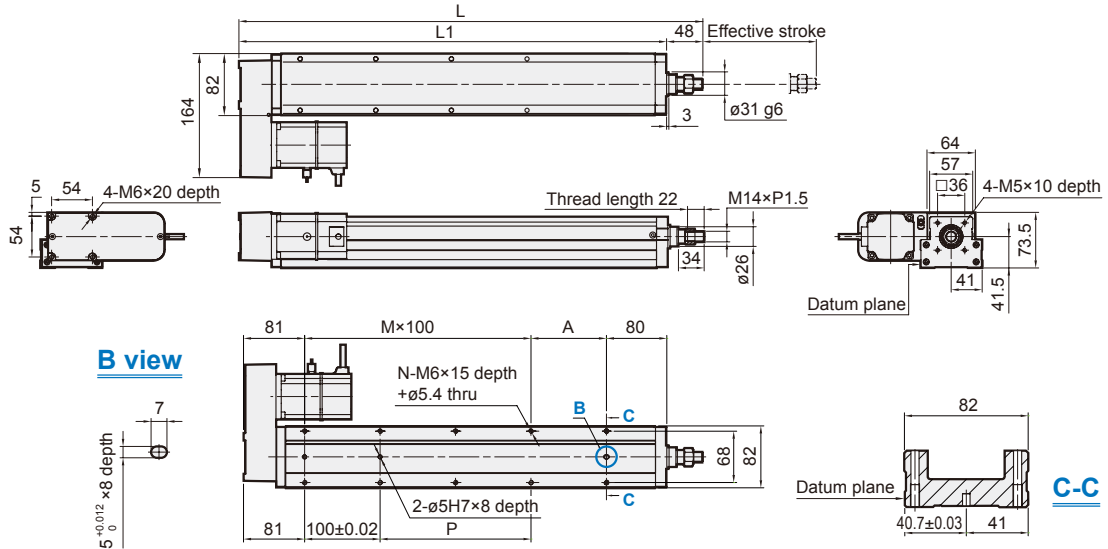
MEQG-8 Dimensions

ROD ELECTRIC CYLINDER - BALL SCREW DRIVE (WITHOUT MOTOR)



BL

Motor on left side

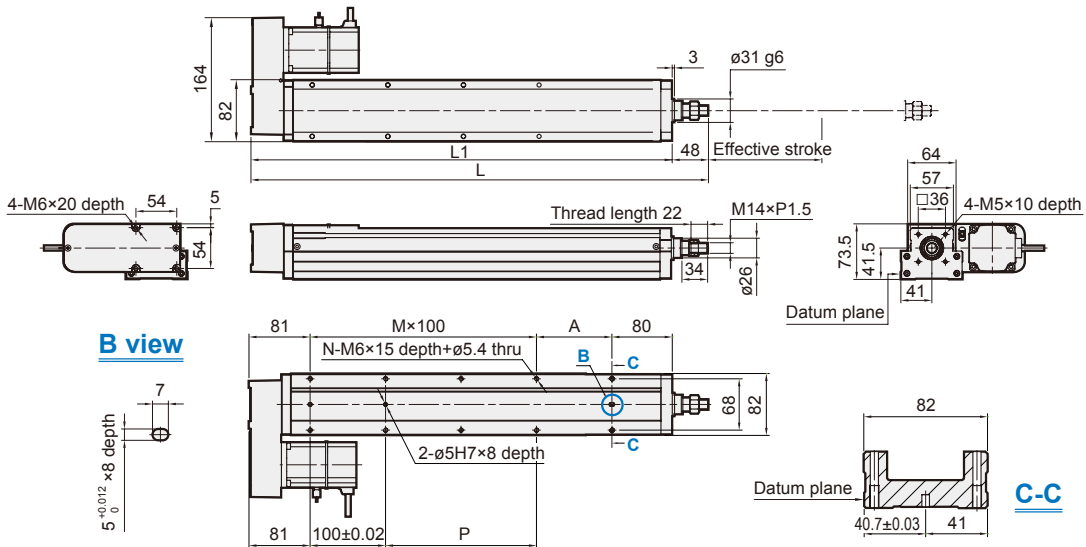


Unit: mm

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	359	409	459	509	559	609	659	709	775	809	859	909	959	1009	1059	1109
L1	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011	1061
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
KG	5.82	6.17	6.53	6.88	7.24	7.59	7.95	8.3	8.66	9.01	9.37	9.72	10.08	10.43	10.79	11.14

BR

Motor on right side



Unit: mm

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	359	409	459	509	559	609	659	709	775	809	859	909	959	1009	1059	1109
L1	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011	1061
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
KG	5.82	6.17	6.53	6.88	7.24	7.59	7.95	8.3	8.66	9.01	9.37	9.72	10.08	10.43	10.79	11.14