METG2-4 series

SLIDER ELECTRIC ACTUATOR – BUILT-IN GUIDEWAY (WITHOUT MOTOR)

mindman

Selection table
Applications
Inner structure
Measuring tools
Reference
Motor selection
Caution
(Read before installing)



Specification

Model			METG2-4		
Positioning repeatability		(mm)	±0.01		
Ball screw lead		(mm)	2	5	10
Max. speed (*1)		(mm/s)	100	300	600
AC servo motor		(W)	100		
Rated load	Horizontal	(kg)	25	20	12
	Vertical	(kg)	8	5	2
Stroke (*2)		(mm)	50~800 / 50 pitch		
Ball screw		(mm)	C7ø12		
Slot-type photomicro sensor			PU-Y974(P)		

*1. Acceleration and deacceleration values are set to 0.2 second.

*2. Reduce the speed when the stroke exceeds 600 mm due to resmance.

Order example

METG2 — 4 — L02 — 100 — BC — M10 — C4

Model: METG2

Size: 4

Stroke: **50~700** mm, 50 mm pitch

Ball screw lead

L02	2 mm
L05	5 mm
L10	10 mm

Motor position

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

Flange (For motor installation)

Applicable motor brand (*1)		Power output	
M	Mitsubishi	10	100W servo
	Yaskawa		
	Delta		
P	Panasonic		

Home sensor (*2)

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

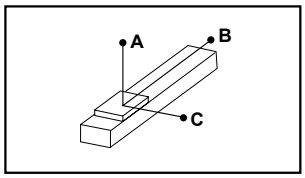
Limit sensor

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

*1. Motor not included. Please refer to the "Motor Selection Table" for details.

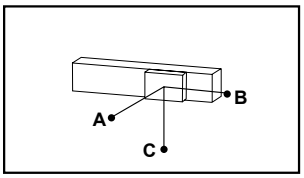
*2. When the stroke is 50mm, the sensor installation has the following restricitions.
1. Home sensor and limit sensor has to be installed on the different side of body.
2. Install sensor trigger on both side.

Allowable overhang



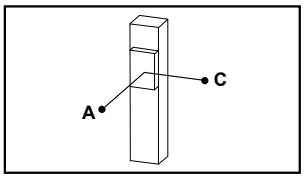
Unit: mm

Horizontal installation		A	B	C
Lead 2	12kg	1000	55	80
	18kg	750	35	50
	25kg	500	23	32
Lead 6	10kg	550	53	70
	15kg	350	32	45
	20kg	250	22	31
Lead 12	8kg	305	59	75
	10kg	240	45	57
	12kg	195	37	47



Unit: mm

Wall installation		A	B	C
Lead 2	12kg	80	55	1000
	18kg	50	35	750
	25kg	32	23	500
Lead 6	10kg	72	52	550
	15kg	45	32	340
	20kg	31	22	250
Lead 12	8kg	75	59	300
	10kg	58	45	240
	12kg	47	37	190



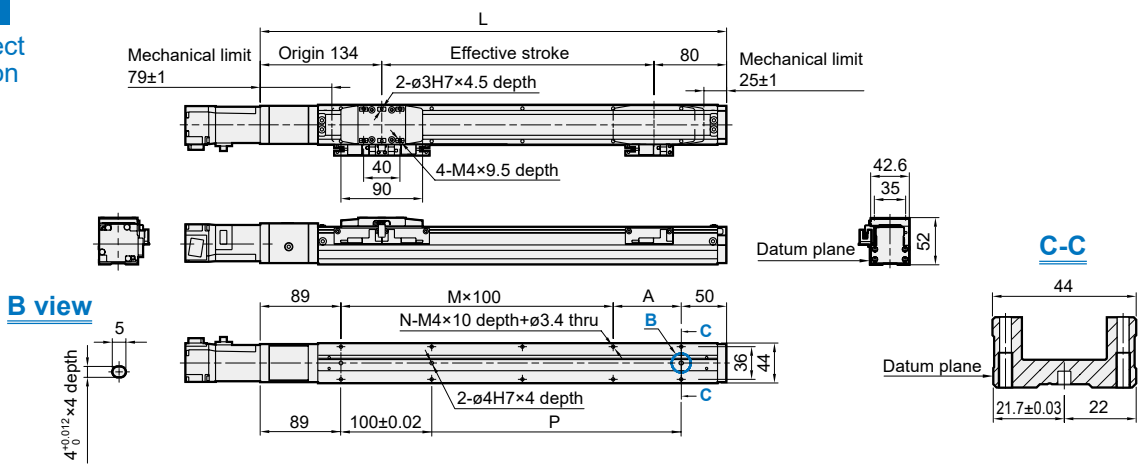
Unit: mm

Vertical installation		A	C
Lead 2	4kg	195	195
	8kg	100	100
Lead 6	3kg	200	200
	5kg	120	120
Lead 12	1.5kg	350	350
	2kg	260	260

- The upside - down crane cannot be used according to the standard specification, please contact us if there is any demand.

BC

Motor direct connection

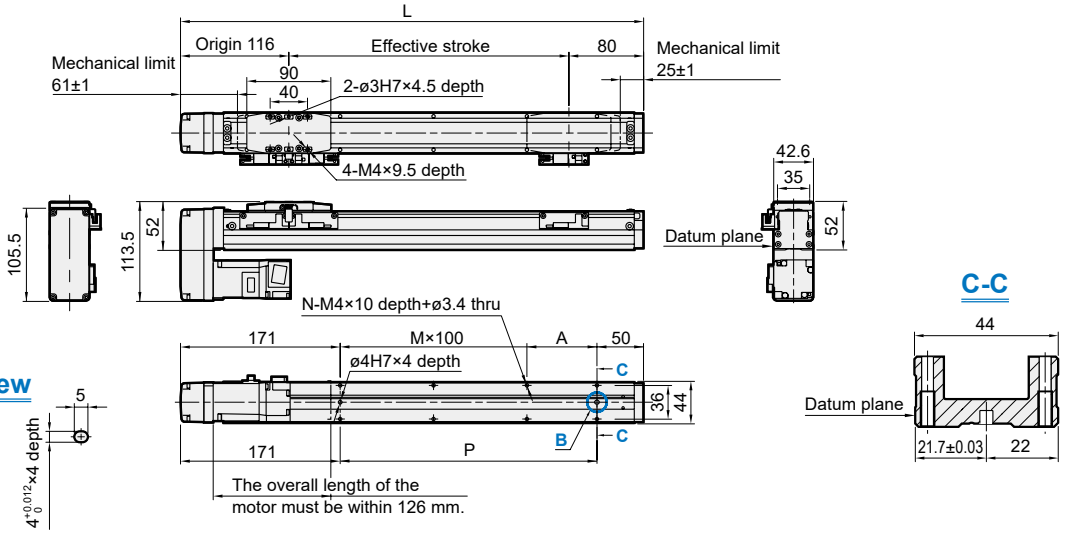


Unit: mm

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	264	314	364	414	464	514	564	614	664	714	764	814	864	914	964	1014
A	25	75	25	75	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	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
Weight (kg)	0.95	1.12	1.29	1.47	1.65	1.83	2.01	2.19	2.37	2.55	2.73	2.91	3.09	3.27	3.45	3.63

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	246	296	346	396	446	496	546	596	646	696	746	796	846	896	946	996
A	25	75	25	75	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	7	7	8	8
N	6	6	8	8	10	10	12	12	15	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
Weight (kg)	1.04	1.22	1.44	1.58	1.76	1.94	2.12	2.3	2.48	2.66	2.84	3.02	3.2	3.38	3.56	3.74

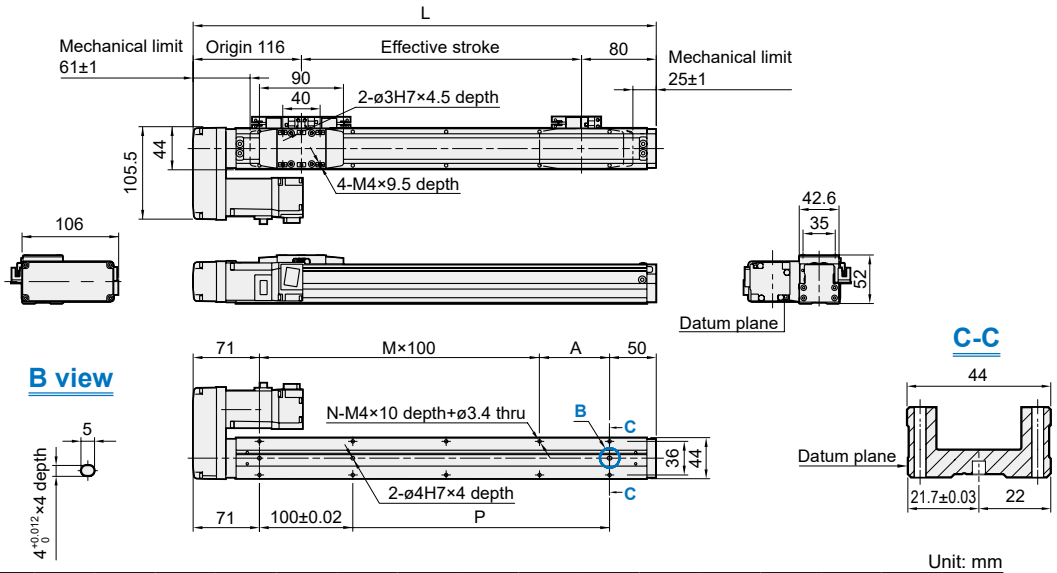
* When motor with brake assembled on down side, or the total length over than spec limit, it may not use standard pinhole. Please contact us if you need more information and requirement.

METG2-4 Dimensions

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BL

Motor on left side

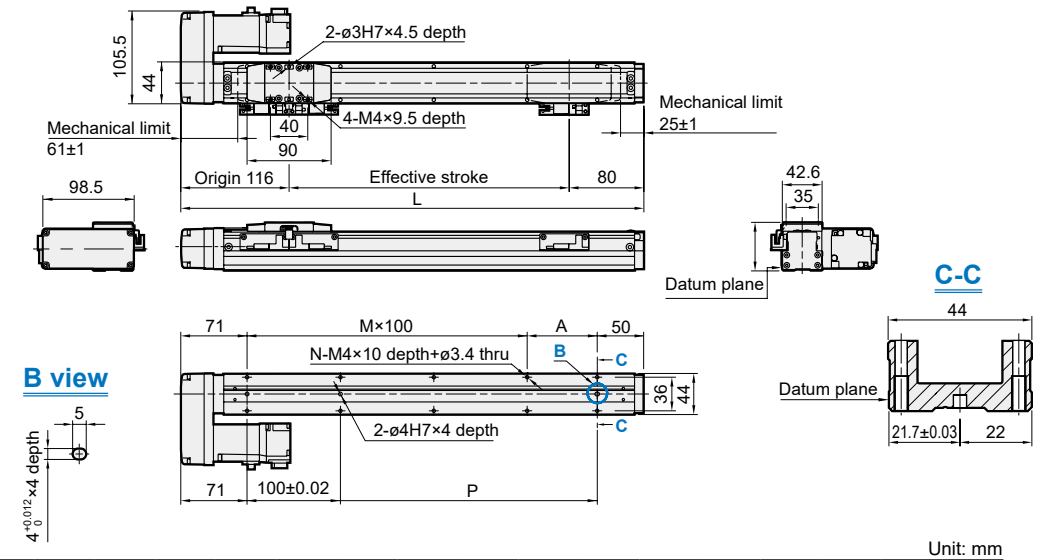


Unit: mm

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	246	296	346	396	446	496	546	596	646	696	746	796	846	896	946	996
A	25	75	25	75	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	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
Weight (kg)	1.04	1.22	1.44	1.58	1.76	1.94	2.12	2.3	2.48	2.66	2.84	3.02	3.2	3.38	3.56	3.74

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	246	296	346	396	446	496	546	596	646	696	746	796	846	896	946	996
A	25	75	25	75	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	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
Weight (kg)	1.04	1.22	1.44	1.58	1.76	1.94	2.12	2.3	2.48	2.66	2.84	3.02	3.2	3.38	3.56	3.74