

BDS-G5



Maximum Stroke **3000mm**
Maximum Speed **2400mm/s**
Motor Output **400W**
Belt Width **8mm**

Part Number System

BDS-G5 - X 32 - 500 - BM - V - C 4 - 0001

Model

Stroke
100-3000mm
Pitch 50 mm

Customization Order No.

Belt Type

Lead

Motor Position

Motor Type

Home Sensor

Limit Sensor

X	Rubber belt
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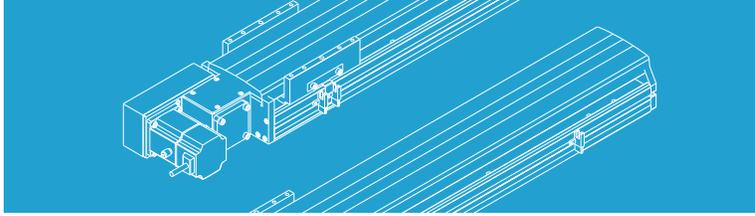
32	32mm
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BW	Motor Top Side
BM	Motor Bottom Side

V	Servo	-
P	Stepper	-
		-
		-

Outside	
C	Motor Side
D	Opposite Motor Side
E	SENSOR No Sensor

Outside	
3	1 Pc
4	2 Pc
5	SENSOR No Sensor

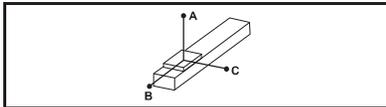


Specification

Repeatability		mm	±0.04
Lead		mm	32
Maximum Rotating speed		rpm	2400
Maximum linear speed *1		mm/s	2400
Maximum Payload	Horizontal	kg	4.5
Rated Thrust		N	42
Stroke (increments)		mm	500-3000mm/50 (50 increments)
AC Servo Motor Output		W	100
Belt Width		mm	9
Home Sensor	Outside		T74N2(NPN)

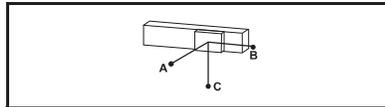
*1 Acceleration and deceleration value is set 0.4 second.

Allowable Overhang



(Unit : mm)

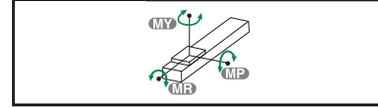
Horizontal Installation	A	B	C
2kg	550	290	330
3kg	650	380	275
4.5kg	840	510	340



(Unit : mm)

Wall Installation	A	B	C
2kg	550	290	550
3kg	275	380	650
4.5kg	340	510	840

Static Loading Moment



(Unit : N.m)

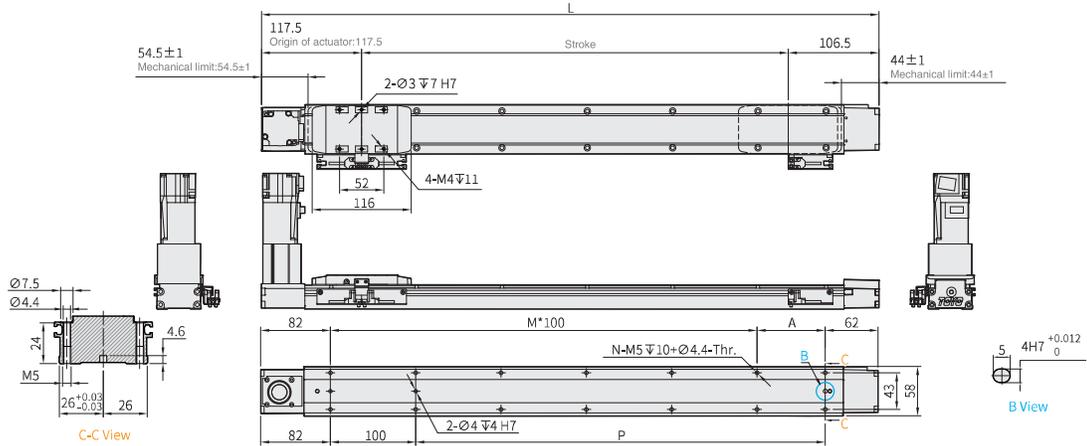
MY	116
MP	116
MR	184

- * The data represented by the moment table is the center of gravity of the load. The length of the overhang is allowed in a single direction.
- * Operation life is 5,000km when the product is using under the specified conditions.
- * Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

BDS-G5

Motor Top Side

Unit : mm



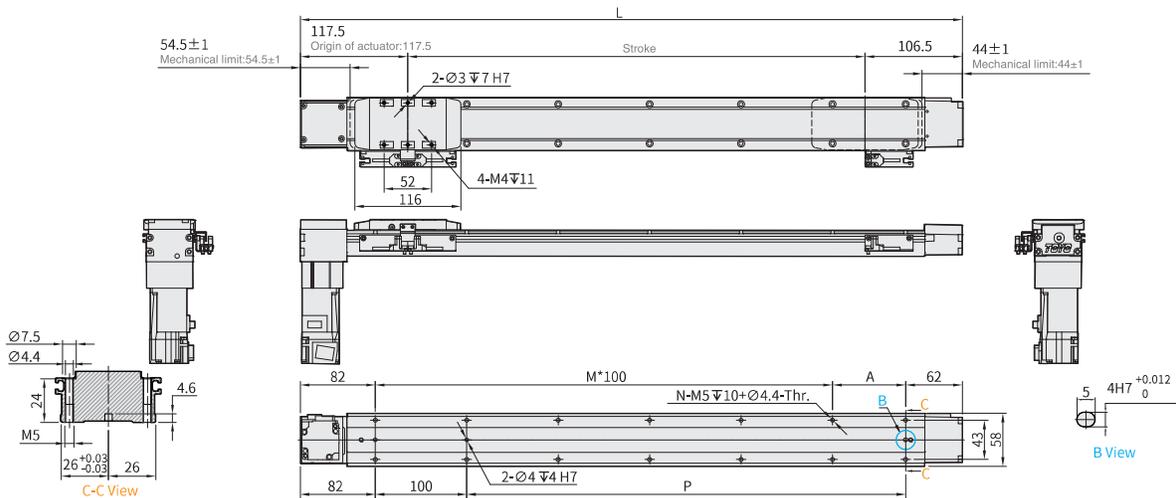
Stroke	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
極限行程 Limit Stroke (±1)	509.5	609.5	709.5	809.5	909.5	1009.5	1109.5	1209.5	1309.5	1409.5	1509.5	1609.5	1709.5	1809.5	1909.5	2009.5	2109.5	2209.5	2309.5	2409.5	2509.5	2609.5	2709.5	2809.5	2909.5	3009.5
L	724	824	924	1024	1124	1224	1324	1424	1524	1624	1724	1824	1924	2024	2124	2224	2324	2424	2524	2624	2724	2824	2924	3024	3124	3224
A	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
M	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
N	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64
P	480	580	680	780	880	980	1080	1180	1280	1380	1480	1580	1680	1780	1880	1980	2080	2180	2280	2380	2480	2580	2680	2780	2880	2980
KG	1.92	1.99	2.07	2.14	2.22	2.29	2.37	2.44	2.52	2.59	2.67	2.74	2.81	2.89	2.96	3.04	3.11	3.19	3.26	3.34	3.41	3.49	3.56	3.63	3.71	3.78

Linear Speed mm/s	Lead 32	2400																											
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Due to the limitation of the layout, it's not able to list out full information of the stroke. Total Length of L=Stroke + 224 and the stroke limit is + 9.5 of the stroke range.

Motor Bottom Side

Unit : mm



Stroke	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
Limit Stroke (±1)	509.5	609.5	709.5	809.5	909.5	1009.5	1109.5	1209.5	1309.5	1409.5	1509.5	1609.5	1709.5	1809.5	1909.5	2009.5	2109.5	2209.5	2309.5	2409.5	2509.5	2609.5	2709.5	2809.5	2909.5	3009.5
L	724	824	924	1024	1124	1224	1324	1424	1524	1624	1724	1824	1924	2024	2124	2224	2324	2424	2524	2624	2724	2824	2924	3024	3124	3224
A	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
M	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
N	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64
P	480	580	680	780	880	980	1080	1180	1280	1380	1480	1580	1680	1780	1880	1980	2080	2180	2280	2380	2480	2580	2680	2780	2880	2980
KG	1.92	1.99	2.07	2.14	2.22	2.29	2.37	2.44	2.52	2.59	2.67	2.74	2.81	2.89	2.96	3.04	3.11	3.19	3.26	3.34	3.41	3.49	3.56	3.63	3.71	3.78

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