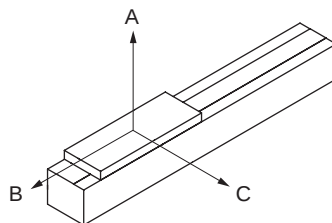


Allowable overhang length (EBS-G-P4 Series)

[When installed horizontally]



[Allowable overhang length]

● EBS-04G-P4

Motor Mounting	Acceleration/Deceleration G	Thread Lead	Load weight kg	Overhang mm		
				A	B	C
Straight / side / bottom	0.3	6	7	800	115	160
			14	545	55	80
			20	535	40	60
		12	5	800	155	205
			10	555	75	105
			15	545	50	75
	0.7	6	7	530	115	155
			14	465	65	90
			20	410	45	65
		12	5	550	155	195
			10	400	80	110
			11	560	35	25

● EBS-05G-P4

Motor Mounting	Acceleration/Deceleration G	Thread Lead	Load weight kg	Overhang mm		
				A	B	C
Straight / side / bottom	0.3	2	15	1000	140	195
			30	900	65	85
			45	690	40	55
		5	13	910	100	135
			26	400	45	55
			40	600	30	45
		10	9	820	135	170
			18	520	65	85
			27	450	45	60
		20	6	855	190	215
			12	900	105	140
			18	1000	85	115
	0.7	2	15	1000	135	185
			30	630	60	85
			45	405	40	55
		5	13	500	100	130
			26	215	40	55
			40	325	30	45
		10	9	450	135	160
			18	295	65	80
			27	240	45	55
		20	3	925	380	395
			5	700	240	270
			8	1000	195	265

● EBS-08G-P4

Motor Mounting	Acceleration/Deceleration G	Thread Lead	Load weight kg	Overhang mm		
				A	B	C
Straight / side / bottom	0.3	5	26	1000	180	295
			53	1000	85	140
			80	1000	50	90
		10	23	1000	180	290
			46	970	85	135
			70	725	55	85
		20	10	1000	380	560
			20	1000	180	265
			30	1000	135	215
	0.7	5	26	1000	180	290
			53	820	85	140
			80	525	50	85
		10	23	1000	180	285
			46	555	85	135
			70	395	55	85
		20	9	1000	435	645
			18	890	210	310
			26	1000	185	300

* Values are when the actuator operating life is 5,000km. (The value of screw lead 2 mm is for when the operating life is 1,000km.)

* The overhang direction is for a single-direction load.

* Dimensions A, B, and C are measured from the center of the table top.

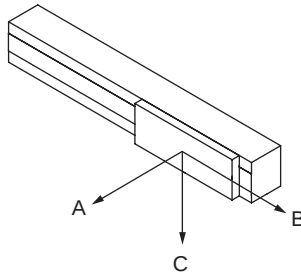
* Values are at maximum speed given stroke of 350 mm and maximum load capacity.

* Load weight may differ depending on motor mounting direction.

* For acceleration/deceleration and load capacity, refer to the Load Capacity by Speed and Acceleration/Deceleration table (pages 40 and 41).

Allowable overhang length (EBS-G-P4 Series)

[When wall-mounted]



[Allowable overhang length]

● EBS-04G-P4

Motor Mounting	Acceleration/Deceleration G	Thread Lead	Load weight kg	Overhang mm		
				A	B	C
Straight / side / bottom	0.3	6	7	125	85	800
			14	40	30	425
			20	20	15	370
		12	5	170	125	800
			10	65	45	450
			15	35	25	420
	0.7	6	7	120	85	490
			14	50	35	410
			20	25	15	350
		12	5	165	125	510
			10	75	50	355
			11	55	35	530

● EBS-05G-P4

Motor Mounting	Acceleration/Deceleration G	Thread Lead	Load weight kg	Overhang mm		
				A	B	C
Straight / side / bottom	0.3	2	10	240	185	1000
			20	95	65	1000
			30	45	30	865
		5	7	215	160	1000
			13	85	65	775
			20	35	25	395
		10	7	180	140	960
			13	70	55	490
			20	30	20	320
		20	6	175	150	740
			12	95	70	770
			18	70	50	1000
	0.7	2	10	230	185	1000
			20	90	60	800
			30	40	25	525
		5	7	210	160	930
			13	85	65	440
			20	35	25	225
		10	7	170	140	545
			13	75	55	330
			20	30	20	195
		20	3	365	340	880
			5	235	200	650
			8	220	160	1000

● EBS-08G-P4

Motor Mounting	Acceleration/Deceleration G	Thread Lead	Load weight kg	Overhang mm		
				A	B	C
Straight / side / bottom	0.3	5	26	245	150	1000
			53	90	55	1000
			80	35	20	955
		10	23	235	150	1000
			46	85	55	835
			70	35	20	540
		20	10	515	345	1000
			20	220	145	1000
			30	160	100	1000
	0.7	5	26	235	150	1000
			53	90	55	795
			80	35	20	540
		10	23	235	150	1000
			46	85	55	490
			70	35	20	305
		20	9	600	405	1000
			18	270	180	840
			26	250	150	1000

* Values are when the actuator operating life is 5,000km. (The value of screw lead 2 mm is for when the operating life is 1,000km.)

* The overhang direction is for a single-direction load.

* Dimensions A, B, and C are measured from the center of the table top.

* Values are at maximum speed given stroke of 350 mm and maximum load capacity.

* Load weight may differ depending on motor mounting direction.

* For acceleration/deceleration and load capacity, refer to the Load Capacity by Speed and Acceleration/Deceleration table (pages 40 and 41).

EBS-P4
(With motor)

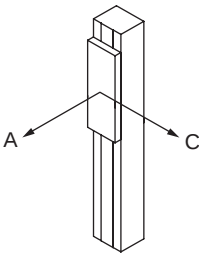
EBS-P4
(With motor)

ECG-A
(Controller)

Safety
precautions

Allowable overhang length (EBS-G-P4 Series)

[When installed vertically]



[Allowable overhang length]

● EBS-04G-P4

Motor Mounting	Acceleration/Deceleration G	Thread Lead	Load weight kg	Overhang mm	
				A	C
Straight / side/ bottom	0.3	6	3	265	260
			6	120	120
			9	80	80
	12		1	790	765
			2	380	370
			3	270	265

● EBS-05G-P4

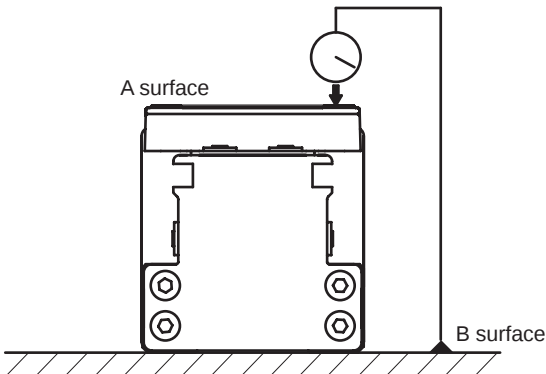
Motor Mounting	Acceleration/Deceleration G	Thread Lead	Load weight kg	Overhang mm	
				A	C
Straight / side/ bottom	0.3	2	5	410	410
			10	185	185
			15	55	55
		5	5	255	250
			10	125	125
			14	85	85
		10	2	615	600
			4	295	290
			7	165	160
		20	0.7	1000	1000
			1.5	815	780
			2.5	470	450

● EBS-08G-P4

Motor Mounting	Acceleration/Deceleration G	Thread Lead	Load weight kg	Overhang mm	
				A	C
Straight / side/ bottom	0.3	5	14	320	320
			28	145	145
			43	80	80
		10	9	480	475
			18	245	245
			28	150	150
		20	1	1000	1000
			2	1000	1000
			3	1000	1000

* Values are when the actuator operating life is 5,000km. (The value of screw lead 2 mm is for when the operating life is 1,000km.)
* The overhang direction is for a single-direction load.
* Dimensions A and C are measured from the center of the table top.
* Values are at maximum speed given stroke of 350 mm and maximum load capacity.
* Load weight may differ depending on motor mounting direction.
* For acceleration/deceleration and load capacity, refer to the Load Capacity by Speed and Acceleration/Deceleration table (pages 40 and 41).

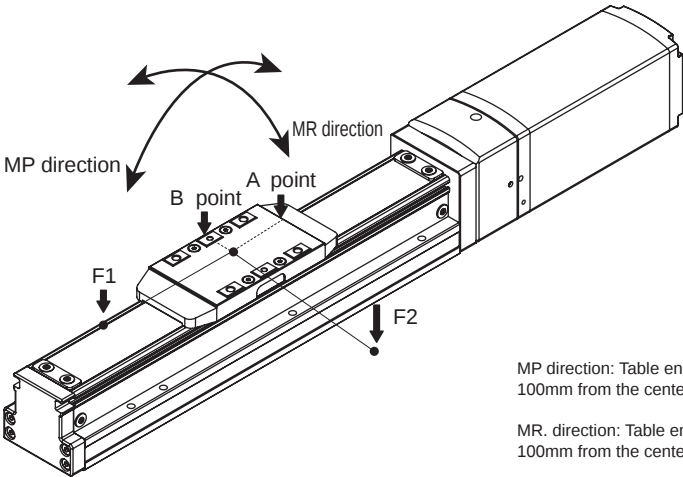
Slider parallelism *Reference value



	(mm)
	Parallelism A surface against B surface
EBS-04 Series	0.03
EBS-05 Series	
EBS-08 Series	

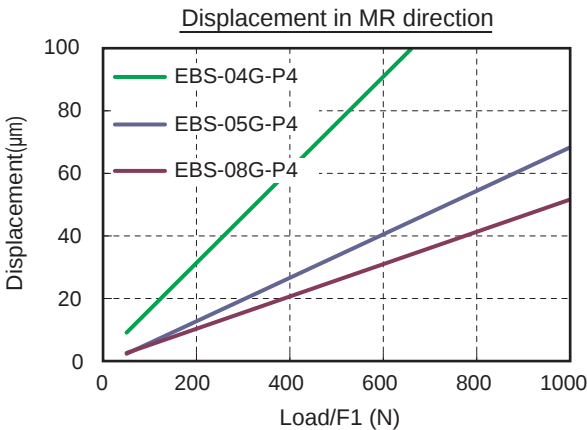
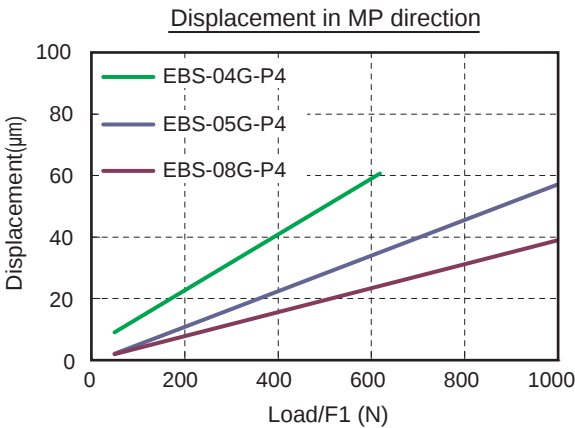
*Parallelism with the product fixed to a surface plate.

Table deflection *Reference value



MP direction: Table end when load (F1) is applied to a position 100mm from the center of the table(Displacement at point A)

MR. direction: Table end when load (F2) is applied to a position 100mm from the center of the table(Displacement at point B)



EBS-G-P4 Series

Table of Load Capacity by Speed and Acceleration/Deceleration

[When installed horizontally]

The table below lists the maximum load capacity during acceleration/deceleration and the maximum speed at which operation is possible. Refer to the model that satisfies the required operation conditions.

■ EBS-04G-P4

Screw lead 6

(kg)

Speed (mm/s)	Straight		Left/Right/Bottom	
	Acceleration/Deceleration (G)			
	0.3	0.7	0.3	0.7
7	20	20	20	20
50	20	20	20	20
100	20	20	20	20
150	20	12.5	13.3	11.7
200	15	12.5	13.3	10
250	11.7	11.7		
260	10.9	10.9		

Screw lead 12

Speed (mm/s)	Straight		Left/Right/Bottom	
	Acceleration/Deceleration (G)			
	0.3	0.7	0.3	0.7
15	15	11	11.7	10
100	15	11	11.7	10
200	15	10.8	11.7	10
300	10.8	8.3	8.3	8.3
320	9.5	7.5	7.3	7.3
400	4.2	4.2		

■ EBS-05G-P4

Screw lead 2

		Straight		Left/Right/Bottom	
Speed (mm/s)	Acceleration/Deceleration (G)				
	0.3	0.7	0.3	0.7	
2	45	45	45	45	
25	45	45	45	45	
50	45	45	45	45	
70	45	45	45	45	
80	45	45	45	45	
100	45	45			

Screw lead 5

Speed (mm/s)	Straight		Left/Right/Bottom	
	Acceleration/Deceleration (G)			
	0.3	0.7	0.3	0.7
6	40	40	40	40
50	40	40	40	40
100	40	40	40	40
150	26.7	26.7	26.7	26.7
200	26.7	26.7	26.7	26.7
230	26.7	26.7		

Screw lead 10

	Straight		Left/Right/Bottom	
Speed (mm/s)	Acceleration/Deceleration (G)			
	0.3	0.7	0.3	0.7
12	27.5	27.5	27.5	27.5
100	27.5	27.5	27.5	27.5
200	27.5	27.5	23.3	20
300	15.8	12.5	11.7	11.7
320	14.6	11.8	10	10
400	10	9.2		

Screw lead 20

	Straight		Left/Right/Bottom	
Speed (mm/s)	Acceleration/Deceleration (G)			
	0.3	0.7	0.3	0.7
25	18.3	8.3	18.3	7.5
100	18.3	8.3	18.3	7.5
300	10	6.7	10	5
500	8.3	5	6.7	4.2
560	7.1	4.3	5.7	3.5
680	4.6	2.8		

■ EBS-08G-P4

Screw lead 5

	Straight		Left/Right/Bottom	
Speed (mm/s)	Acceleration/Deceleration (G)			
	0.3	0.7	0.3	0.7
6	80	80	80	80
25	80	80	80	80
50	80	80	80	80
75	80	80	68.3	68.3
100	40	40	40	40
120	40	40		

Screw lead 10

	Straight		Left/Right/Bottom	
Speed (mm/s)	Acceleration/Deceleration (G)			
	0.3	0.7	0.3	0.7
12	70	70	70	70
50	70	70	70	70
100	70	70	70	70
150	70	70	70	30
200	28.3	17.5	28.3	17.5

Screw lead 20

	Straight		Left/Right/Bottom	
Speed (mm/s)	Acceleration/Deceleration (G)			
	0.3	0.7	0.3	0.7
25	30	26.7	30	26.7
100	30	26.7	30	26.7
200	30	18.3	30	18.3
300	26.7	18.3	6.7	6.7
320	25.4	17	6	6
400	20			

Table of Load Capacity by Speed and Acceleration/Deceleration

[When installed vertically]

■ EBS-04G-P4

Screw lead 6

(kg)

Speed (mm/s)	Straight	Left/Right/Bottom
	Acceleration/Deceleration (G)	
	0.3	0.3
7	9.2	9.2
50	9.2	9.2
100	9.2	6.7
150	6.7	3.3
180	5.2	2.8
200	4.2	
220	2.2	

Screw lead 12

Speed (mm/s)	Straight	Left/Right/Bottom
	Acceleration/Deceleration (G)	
	0.3	0.3
15	3.3	3.3
100	3.3	3.3
200	3.3	3.3
280	2.7	2
300	2.5	
350	0.8	
360	0.8	

The table below lists the maximum load capacity during acceleration/ deceleration and the maximum speed at which operation is possible. Refer to the model that satisfies the required operation conditions.

■ EBS-05G-P4

Screw lead 2

Speed (mm/s)	Straight	Left/Right/Bottom
	Acceleration/Deceleration (G)	
	0.3	0.3
2	18.3	18.3
20	18.3	18.3
40	18.3	18.3
60	18.3	16.7
70	11.7	11.7
90	3.3	
100	2.2	

Screw lead 5

Speed (mm/s)	Straight	Left/Right/Bottom
	Acceleration/Deceleration (G)	
	0.3	0.3
6	14	10
50	14	10
100	9.2	8.3
150	7.5	6.7
170	6.2	5
200	4.2	

Screw lead 10

Speed (mm/s)	Straight	Left/Right/Bottom
	Acceleration/Deceleration (G)	
	0.3	0.3
12	7	3.3
100	7	3.3
200	7	2.1
260	4.3	1.6
300	2.5	
325	2.1	
340	2.1	

Screw lead 20

Speed (mm/s)	Straight	Left/Right/Bottom
	Acceleration/Deceleration (G)	
	0.3	0.3
25	2.5	0.8
200	2.5	0.8
400	2.5	0.8

■ EBS-08G-P4

Screw lead 5

Speed (mm/s)	Straight	Left/Right/Bottom
	Acceleration/Deceleration (G)	
	0.3	0.3
6	43.3	33.3
25	43.3	33.3
50	43.3	25
75	15	15
100	15	12.5
120	5.3	

Screw lead 10

Speed (mm/s)	Straight	Left/Right/Bottom
	Acceleration/Deceleration (G)	
	0.3	0.3
12	28.3	18.3
50	28.3	18.3
100	12.5	12.5
150	10	8.3
160	8.3	7
200	1.7	

Screw lead 20

Speed (mm/s)	Straight	Left/Right/Bottom
	Acceleration/Deceleration (G)	
	0.3	0.3
25	3.3	3.3
100	3.3	3.3
200	3.3	3.3
280	3.3	3.3

EBS-P4
(With motor)

EBR-P4
(With motor)

ECC-A
(Controller)

Safety
precautions