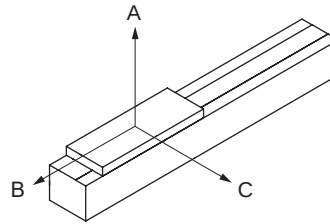


Allowable overhang length (EBS Series)

[When installed horizontally]



[Allowable overhang length]

● EBS-04

Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight / side/bottom	0.3	6	5	800	160	225
			10	570	70	100
			20	250	30	40
		12	4	800	180	210
			8	380	80	100
			12	230	50	60
	0.5	6	5	800	160	220
			10	400	70	100
			15	240	40	60
		12	4	580	180	200
			8	260	80	90
			12	150	50	50
	1	6	5	520	160	210
			10	240	70	90
			15	140	40	50
		12	4	350	180	180
			8	150	80	80
			12	80	50	40

*The above values are the allowable values for the actuator body; the actual load capacity is limited by the motor used.
 *Values are when the actuator operating life is 5,000km. (Screw lead: 2 mm is the value 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 stroke: 350 mm and motor rotation speed: 3,000 rpm.

● EBS-05

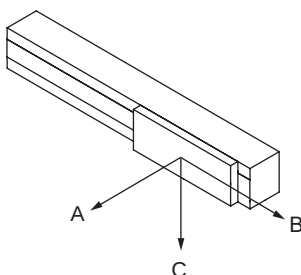
Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight / side/bottom	0.3	2	10	1000	160	225
			20	1000	75	105
			30	815	45	65
		5	10	1000	125	170
			20	500	55	75
			30	305	35	45
		10	5	1000	235	285
			10	580	110	135
			15	360	70	80
		20	2.5	1000	400	385
			5	615	195	180
			10	265	90	75
	0.5	2	10	1000	160	225
			20	890	75	105
			30	570	45	65
		5	10	765	125	165
			20	345	55	75
			30	205	35	45
		10	5	875	235	280
			10	405	110	125
			15	245	70	75
		20	2.5	925	400	365
			5	425	195	165
			10	180	90	70
	1	2	10	1000	160	220
			20	545	75	100
			30	340	45	60
		5	10	465	125	160
			20	200	55	70
			30	115	35	40
		10	5	535	235	255
			10	240	110	115
			15	140	70	65
		20	2.5	565	400	315
			5	250	190	140
			10	95	85	55

● EBS-08

Motor mounted	Acceleration/deceleration G	Screw lead	Weight	Overhang mm		
			kg	A	B	C
Straight / side/bottom	0.3	5	10	1000	400	620
			25	1000	150	235
			50	560	65	105
		10	10	1000	360	480
			20	840	170	230
			30	530	110	140
		20	2.5	1000	1000	1000
			5	1000	610	670
			10	950	295	315
	0.5	5	10	1000	400	620
			25	920	150	235
			50	420	65	105
		10	10	1000	360	480
			20	625	170	225
			30	390	110	140
		20	2.5	1000	1000	1000
			5	1000	610	620
			10	670	295	290
	1	5	10	1000	400	600
			25	565	150	220
			50	250	65	95
		10	10	820	360	435
			20	380	170	200
			30	230	110	120
		20	2.5	1000	1000	1000
			5	870	610	520
			10	400	295	240

Allowable overhang length (EBS Series)

[When wall-mounted]



[Allowable overhang length]

● EBS-04

Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight / side/bottom	0.3	6	5	180	130	800
			10	65	40	470
			15	25	20	240
		12	4	180	150	730
			8	60	50	280
			12	25	20	130
	0.5	6	5	180	130	800
			10	60	40	330
			15	25	20	170
		12	4	170	140	520
			8	60	50	200
			12	25	20	90
	1	6	5	170	130	490
			10	60	40	200
			15	25	20	100
		12	4	150	140	320
			8	50	50	120
			12	20	20	50

*The above values are the allowable values for the actuator body; the actual load capacity is limited by the motor used.
 *Values are when the actuator operating life is 5,000km. (Screw lead: 2 mm is the value 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 stroke: 350 mm and motor rotation speed: 3,000 rpm.

● EBS-05

Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight / side/bottom	0.3	2	10	175	125	1000
			20	55	40	1000
			30	15	10	540
		5	5	310	230	1000
			10	125	90	965
			20	30	20	335
		10	5	245	200	1000
			10	90	75	460
			15	40	30	230
		20	2.5	350	355	1000
			5	145	145	500
			10	45	45	150
	0.5	2	10	175	125	1000
			20	55	40	775
			30	15	10	385
		5	5	310	230	1000
			10	120	90	685
			20	30	20	240
		10	5	240	200	805
			10	90	75	330
			15	40	30	160
		20	2.5	330	355	855
			5	135	145	355
			10	40	40	105
	1	2	10	175	125	1000
			20	55	40	480
			30	15	10	235
		5	5	300	230	955
			10	120	90	425
			20	30	20	145
		10	5	220	200	500
			10	80	75	200
			15	35	30	95
		20	2.5	290	355	530
			5	115	145	220
			10	30	40	60

Allowable overhang length (EBS Series)

● EBS-08

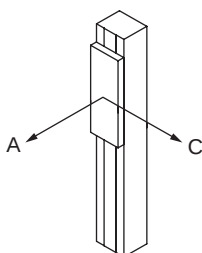
Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight / side/bottom	0.3	5	10	580	370	1000
			25	185	120	1000
			50	55	35	465
		10	10	450	325	1000
			20	190	135	795
			30	100	75	455
		20	2.5	1000	1000	1000
			5	630	565	1000
			10	280	250	850
	0.5	5	10	580	370	1000
			25	185	120	855
			50	55	35	330
		10	10	445	325	1000
			20	185	135	565
			30	100	75	325
		20	2.5	1000	1000	1000
			5	585	565	1000
			10	260	250	605
	1	5	10	555	370	1000
			25	180	120	530
			50	50	35	200
		10	10	405	325	800
			20	165	135	350
			30	90	70	195
		20	2.5	1000	1000	1000
			5	500	560	845
			10	220	250	370

Servo motor compatible									Stepper motor compatible			
EBS	EBR	ETS	ETS Multi-Axis	ECS	ETV	ECV	EKS	EBS	EBR	ETS	ECS	

Safety
precautions

Allowable overhang length (EBS Series)

[When installed vertically]



[Allowable overhang length]

● EBS-04

Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight / side/bottom	0.3	6	1	800	-	780
			3	240	-	230
			5	120	-	120
		12	1	690	-	630
			1.5	440	-	410
			2	320	-	300
	0.5	6	1	800	-	780
			3	240	-	230
			5	120	-	120
		12	1	680	-	620
			1.5	400	-	440
			2	320	-	290

*The above values are the allowable values for the actuator body; the actual load capacity is limited by the motor used.
 *Values are when the actuator operating life is 5,000km. (Screw lead: 2 mm is the value 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 stroke: 350 mm and motor rotation speed: 3,000 rpm.

● EBS-05

Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm	
				A	C
Straight / side/bottom	0.3	2	2.5	640	640
			5	295	295
			10	120	120
		5	2.5	500	490
			5	225	225
			10	85	85
		10	1	1000	1000
			2.5	435	410
			5	195	180
		20	0.5	1000	1000
			1	910	760
			2.5	335	280
	0.5	2	2.5	640	640
			5	295	295
			10	120	120
		5	2.5	500	500
			5	225	225
			10	85	85
		10	1	1000	1000
			2.5	430	410
			5	190	180
		20	0.5	1000	1000
			1	870	740
			2.5	315	275

Allowable overhang length (EBS Series)

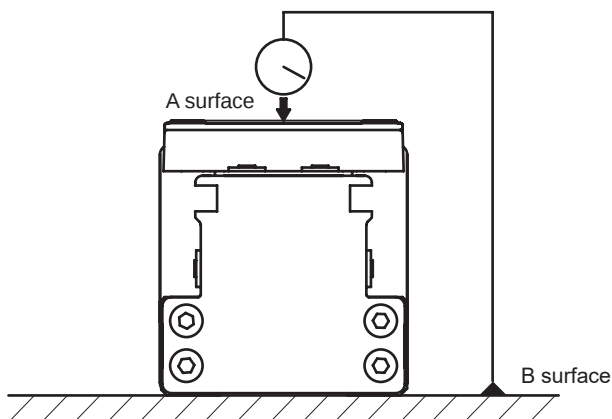
[When installed vertically]

● EBS-08

Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm	
				A	C
Straight / side/bottom	0.3	5	5	775	760
			10	360	350
			15	220	220
		10	3	1000	1000
			5	680	630
			8	405	375
		20	0.5	1000	1000
			1	1000	1000
			2.5	1000	930
	0.5	5	5	775	760
			10	360	350
			15	220	220
		10	3	1000	1000
			5	670	630
			8	400	375
		20	0.5	1000	1000
			1	1000	1000
			2.5	1000	890

Servo motor compatible					Stepper motor compatible			
EBS	EBR	ETS	ETS Multi-Axis	ECS	ETV	ECV	EKS	
								EBS
								EBR
								ETS
								ECS

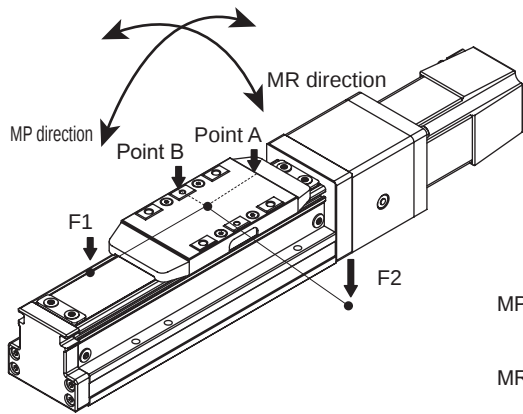
Slider parallelism (EBS Series) *Reference value



	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.

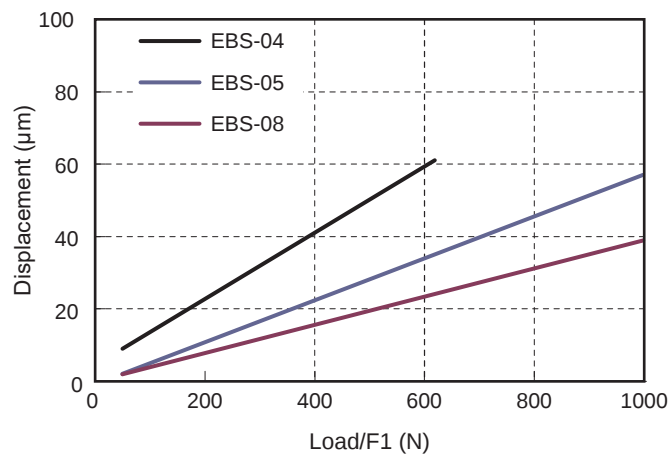
Table deflection (EBS Series) *Reference value



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

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

Displacement in MP direction



Displacement in MR direction

