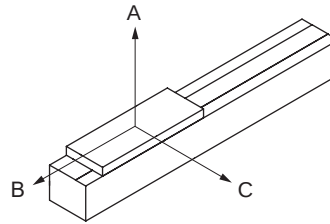


Allowable overhang length (EBS Series)

[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

*Values are when the actuator operating life is 5,000 km. (Screw lead: 2 mm is the value when the operating life is 1,000 km.)

*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. However, for EBS-12, acceleration/deceleration 0.3G is the values at 1,800 rpm and 0.5G is the values at 2,400 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

Allowable overhang length (EBS Series)

● EBS-08

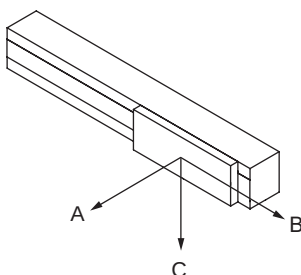
Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight/ side/bottom	0.3	5	10	1000	400	620
			25	1000	150	235
			50	560	65	105
		10	10	1000	360	480
			20	840	170	230
			30	530	110	140
		20	2.5	1000	1000	1000
			5	1000	610	670
			10	950	295	315
	0.5	5	10	1000	400	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

● EBS-12

Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight/ side/bottom	0.3	5	30	1800	445	730
			60	1800	215	350
			100	1050	120	200
		10	30	1800	400	580
			50	1200	230	335
			80	730	140	195
		20	10	1800	1000	1150
			20	1600	505	560
			40	775	240	260
		32	10	1800	950	1100
			20	1600	480	540
			30	1000	315	355
	0.5	5	30	1800	445	720
			60	1300	215	345
			100	755	120	195
		10	30	1450	400	555
			50	865	230	320
			80	510	140	185
		20	10	1800	1000	1050
			20	1150	505	520
			40	540	240	240
		32	10	1550	800	750
			20	760	400	355
			30	480	260	220
	1	5	30	1650	445	690
			60	800	215	330
			100	460	120	185
		10	30	930	400	500
			50	530	230	285
			80	305	140	160
		20	10	1500	1000	915
			20	715	500	435
			40	325	240	195
		32	10	725	700	455
			20	325	335	205
			30	195	215	120

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

*Values are when the actuator operating life is 5,000 km. (Screw lead: 2 mm is the value when the operating life is 1,000 km.)

*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. However, for EBS-12, acceleration/deceleration 0.3G is the values at 1,800 rpm and 0.5G is the values at 2,400 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

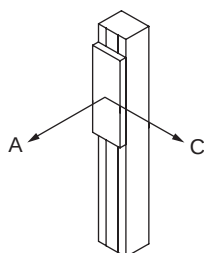
Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight/ side/bottom	0.3	5	10	580	370	1000
			25	185	120	1000
			50	55	35	465
		10	10	450	325	1000
			20	190	135	795
			30	100	75	455
		20	2.5	1000	1000	1000
			5	630	565	1000
			10	280	250	850
	0.5	5	10	580	370	1000
			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

● EBS-12

Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight/ side/bottom	0.3	5	30	685	415	1800
			60	300	185	1750
			100	150	90	960
		10	30	540	365	1800
			50	290	200	1100
			80	155	105	625
		20	10	1100	980	1800
			20	525	460	1500
			40	225	200	670
		32	10	1085	925	1800
			20	530	425	1455
			30	325	275	950
	0.5	5	30	675	415	1800
			60	300	185	1250
			100	145	90	685
		10	30	515	365	1400
			50	280	200	805
			80	145	105	445
		20	10	1000	980	1800
			20	490	460	1100
			40	210	195	480
		32	10	700	740	1520
			20	325	350	690
			30	190	210	415
	1	5	30	645	415	1600
			60	285	185	780
			100	140	90	425
		10	30	465	365	900
			50	250	200	500
			80	130	105	270
		20	10	895	980	1450
			20	415	460	685
			40	175	195	295
		32	10	435	630	695
			20	185	270	295
			30	100	150	165

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	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

*Values are when the actuator operating life is 5,000 km. (Screw lead: 2 mm is the value when the operating life is 1,000 km.)

*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. However, for E B S-12, acceleration/deceleration 0.3G is the values at 1,800 rpm and 0.5G is the values at 2,400 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

Servo motor compatible

Stepper motor compatible

Safety precautions

Allowable overhang length (EBS Series)

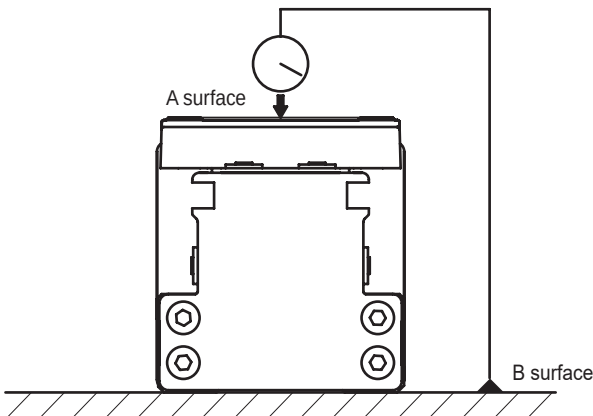
● EBS-08

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

● EBS-12

Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm	
				A	C
Straight/ side/bottom	0.3	5	10	1300	1300
			20	635	625
			30	405	400
		10	10	1150	1100
			15	765	715
			20	560	525
		20	5	1800	1500
			7	1300	1100
			10	910	765
		32	3	1800	1750
			5	1750	1515
			8	1115	950
	0.5	5	10	1300	1250
			20	635	625
			30	405	400
		10	10	1150	1050
			15	750	710
			20	550	520
		20	5	1750	1500
			7	1200	1050
			10	870	740
		32	3	1800	1775
			5	1350	1075
			8	805	680
	1	5	10	1300	1250
			20	630	615
			30	400	395
		10	10	1100	1000
			15	725	685
			20	530	500
		20	5	1600	1352
			7	1100	995
			10	790	685
		32	3	1550	1250
			5	920	750
			8	555	460

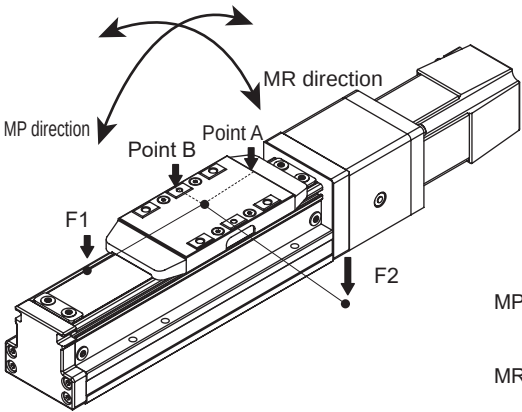
Slider parallelism (EBS Series) *Reference value



	Parallelism
	A surface against B surface
EBS-04 Series	0.03
EBS-05 Series	
EBS-08 Series	
EBS-12 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

