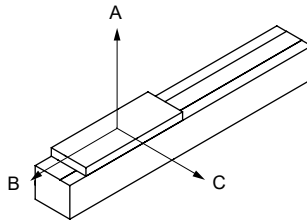


Allowable moment and overhang length by mounting orientation (EKS Series)

[When installed horizontally]



[Allowable overhang length]

● EKS-04

Motor mounted	Acceleration/ deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight	0.15	10	4.5	400	130	220
			9.5	400	60	100
			19	370	20	40
		16	3.5	400	140	220
			7	400	60	100
			14	270	30	40
	1	10	4.5	400	130	210
			9.5	210	60	100
			19	90	20	40
		16	3.5	360	140	200
			7	160	60	90
			14	60	20	40
Left/ Right/ Bottom	0.15	10	3	400	210	310
			6	220	100	150
			12	90	40	70
		16	2	370	240	290
			4	170	110	140
			8.5	70	50	70
	1	10	4.5	400	130	220
			9.5	400	60	100
			19	370	20	40
		16	3.5	400	140	220
			7	400	60	100
			14	270	30	40
Left/ Right/ Bottom	0.15	10	4.5	400	130	210
			9.5	210	60	100
			19	90	20	40
		16	3.5	360	140	200
			7	160	60	90
			14	60	20	40
	2	10	2.5	400	240	350
			5	250	120	170
			10.5	110	50	80
		16	1.5	400	270	330
			3.5	200	130	160
			7.5	80	60	80

*Screw lead 10 mm at Stroke length: 550 mm
Rated speed: 500 mm/s
Screw lead 16 mm at Stroke length: 550 mm
Rated speed: 800 mm/s.

● EKS-05

Motor mounted	Acceleration/ deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight	0.15	10	6.5	500	160	340
			13	500	70	160
			26	460	30	70
		20	1.5	500	360	500
			3.5	500	170	330
			7.5	500	80	160
	1	10	6	500	160	310
			12.5	270	70	150
			25.5	120	30	70
		20	1.5	500	360	500
			3.5	380	170	270
			7.5	170	80	130
Left/ Right/ Bottom	0.15	10	1.5	500	500	500
			3.5	500	280	470
			7.5	300	130	230
		20	1	500	490	500
			2.5	330	240	300
			5.5	150	110	150
	1	10	6.5	500	160	340
			13	500	70	160
			26	460	30	70
		20	1.5	500	360	500
			3.5	500	170	330
			7.5	500	80	160
Left/ Right/ Bottom	0.15	10	5.5	500	190	370
			11	320	90	180
			22	140	40	80
		20	1.5	500	360	500
			3.5	380	170	270
			7.5	170	80	130
	2	10	1.5	500	500	500
			3	500	350	500
			6	380	170	290
		20	1	500	500	500
			2.5	360	270	320
			5	160	130	160

*Screw lead 10 mm at Stroke length: 600 mm
Rated speed: 500 mm/s
Screw lead 16 mm at Stroke length: 600 mm
Rated speed: 1000 mm/s.

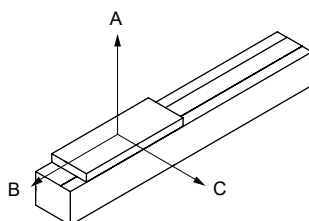
● EKS-06

Motor mounted	Acceleration/ deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight	0.15	20	11.5	600	120	210
			23.5	460	50	100
			47.5	180	20	40
		30	5	600	290	520
			10	600	140	250
			20.5	550	60	120
	1	20	6.5	490	210	320
			13.5	220	100	160
			27	90	40	70
		30	3.5	600	430	520
			7	350	200	260
			14	150	90	130
Left/ Right/ Bottom	0.15	20	2	600	600	600
			4.5	460	330	400
			9	210	160	200
		30	1.5	600	600	600
			3.5	420	400	380
			7.5	190	190	200
	1	20	11	600	120	230
			22	500	50	100
			44.5	200	20	40
		30	4.5	600	310	570
			9.5	600	150	270
			19	600	70	130
Left/ Right/ Bottom	0.15	20	5	600	290	430
			10	310	140	210
			22.5	130	60	100
		30	2.5	600	550	600
			5.5	450	270	330
			11	200	120	160
	2	20	1	600	600	600
			2	600	600	600
			4.5	460	330	400
		30	1	600	600	600
			2.5	600	600	570
			5	300	290	290

*Screw lead 20 mm at Stroke length: 650 mm
Rated speed: 1000 mm/s
Screw lead 30 mm at Stroke length: 650 mm
Rated speed: 1500 mm/s.

Allowable moment and overhang length by mounting orientation (EKS Series)

[When installed horizontally]



[Allowable overhang length]

● EKS-08

Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight	0.15	20	20.5	800	190	320
			41.5	760	90	140
			83.5	310	30	60
		40	4.5	800	680	800
			9.5	800	330	540
			19	800	150	260
	1	20	12	800	340	480
			24.5	380	160	230
			49	160	70	110
		40	4	800	780	770
			8	550	380	380
			16.5	250	180	190
Left/Right/Bottom	0.15	20	3.5	800	800	800
			7	800	610	710
			14	430	300	350
		40	2	800	800	800
			4	690	760	600
			8.5	320	370	300
	1	20	19.5	800	200	330
			39.5	800	90	150
			79.5	340	40	60
		40	4.5	800	720	800
			9	800	350	580
			18	800	160	270
Left/Right/Bottom	2	20	9.5	800	440	610
			19	500	210	300
			38.5	220	90	140
		40	3	800	800	800
			6.5	680	470	470
			13.5	320	220	230

*Screw lead 20 mm at Stroke length: 700 mm
Rated speed: 1000 mm/s
Screw lead 40 mm at Stroke length: 700 mm
Rated speed: 2000 mm/s.

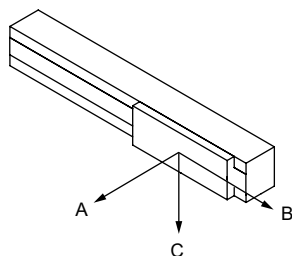
● EKS-10

Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight	0.15	25	42.5	1000	200	350
			85.5	890	90	160
			171.5	360	30	60
		50	10	1000	680	1000
			20	1000	330	590
			40	1000	150	280
	1	25	16	1000	560	770
			32	590	270	380
			64.5	260	120	180
		50	4.5	1000	1000	1000
			9.5	970	710	690
			19	450	340	350
Left/Right/Bottom	0.15	25	4	1000	1000	1000
			8	1000	1000	1000
			16	770	560	640
		50	1.5	1000	1000	1000
			3.5	1000	1000	1000
			7	820	980	740
	1	25	40	1000	210	380
			80.5	960	90	170
			161.5	400	40	70
		50	9	1000	730	1000
			18.5	1000	350	630
			37.5	1000	160	300
Left/Right/Bottom	2	25	11	1000	830	1000
			22	890	400	560
			44	410	190	280
		50	3	1000	1000	1000
			6.5	1000	1000	1000
			13	690	510	510

*Screw lead 25 mm at Stroke length: 900 mm
Rated speed: 1250 mm/s
Screw lead 50 mm at Stroke length: 900 mm
Rated speed: 2500 mm/s.

Allowable moment and overhang length by mounting orientation (EKS Series)

[When wall-mounted]



[Allowable overhang length]

● EKS-04

Motor mounted	Acceleration/ deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight	0.15	10	2.5	360	210	400
			5.5	150	90	400
			11	50	30	400
		16	2	360	220	400
			4	150	90	400
			8.5	50	30	350
	1	10	2.5	360	230	400
			5	160	100	400
			10	50	30	180
		16	1.5	340	250	400
			3.5	150	110	310
			7.5	50	40	120
Left/ Right/ Bottom	2	10	2	340	250	400
			4.5	150	110	270
			9.5	50	40	110
		16	1.5	300	270	400
			3.5	130	120	200
			7	50	40	80
	0.15	10	2.5	360	210	400
			5.5	150	90	400
			11	50	30	400
		16	2	360	220	400
			4	150	90	400
			8.5	50	30	350

*Screw lead 10 mm at Stroke length: 550 mm
Rated speed: 500 mm/s
Screw lead 16 mm at Stroke length: 550 mm
Rated speed: 800 mm/s.

● EKS-05

Motor mounted	Acceleration/ deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight	0.15	10	4.5	430	200	500
			9.5	190	80	500
			19.5	70	30	500
		20	1.5	500	340	500
			3.5	320	160	500
			7.5	130	60	500
	1	10	4.5	410	210	500
			9	180	90	390
			18	60	30	160
		20	1.5	490	340	500
			3.5	220	150	360
			7.5	90	60	150
Left/ Right/ Bottom	2	10	1.5	500	500	500
			3.5	420	260	500
			7.5	190	120	290
		20	1	500	470	500
			2.5	240	220	320
			5.5	100	90	140
	0.15	10	4.5	430	200	500
			9.5	190	80	500
			19.5	70	30	500
		20	1.5	500	340	500
			3.5	320	160	500
			7.5	130	60	500

*Screw lead 10 mm at Stroke length: 600 mm
Rated speed: 500 mm/s
Screw lead 16 mm at Stroke length: 600 mm
Rated speed: 1000 mm/s.

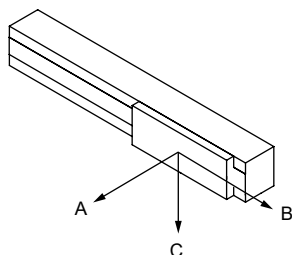
● EKS-06

Motor mounted	Acceleration/ deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight	0.15	20	5	480	250	600
			10.5	210	100	600
			21.5	70	30	350
		30	5	510	260	600
			10	220	110	600
			20.5	80	40	390
	1	20	4.5	420	290	600
			9	180	130	320
			18.5	60	40	120
		30	3.5	450	400	600
			7	200	180	320
			14	70	70	120
Left/ Right/ Bottom	2	20	2	600	600	600
			4.5	330	300	450
			9	140	130	200
		30	1.5	600	600	600
			3.5	310	360	400
			7.5	130	160	170
	0.15	20	5	480	250	600
			10.5	210	100	600
			21.5	70	30	350
		30	4.5	550	280	600
			9.5	240	120	600
			19	90	40	440

*Screw lead 20 mm at Stroke length: 650 mm
Rated speed: 1000 mm/s
Screw lead 30 mm at Stroke length: 650 mm
Rated speed: 1500 mm/s.

Allowable moment and overhang length by mounting orientation (EKS Series)

[When wall-mounted]



[Allowable overhang length]

● EKS-08

Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight	0.15	20	11.5	570	320	800
			23.5	250	140	800
			47.5	90	50	480
		40	4.5	800	640	800
			9.5	530	300	800
			19	230	130	800
	1	20	10.5	510	370	800
			21	220	160	430
			42	80	60	170
		40	4	700	740	800
			8	330	350	520
			16.5	140	150	220
Left/Right/Bottom	0.15	20	3.5	800	800	800
			7	640	580	800
			14	290	270	420
		40	2	800	800	800
			4	510	710	670
			8.5	230	330	310
	1	20	11.5	570	320	800
			23.5	250	140	800
			47.5	90	50	480
		40	4.5	800	680	800
			9	560	320	800
			18	240	140	800
Left/Right/Bottom	2	20	9.5	560	410	800
			19	250	180	470
			38.5	90	70	190
		40	3	800	800	800
			6.5	410	440	650
			13.5	180	190	290
Left/Right/Bottom	0.15	20	1.5	800	800	800
			3	800	800	800
			6.5	690	630	800
		40	1.5	800	800	800
			3	750	800	800
			6	350	490	460

*Screw lead 20 mm at Stroke length: 700 mm
Rated speed: 1000 mm/s
Screw lead 40 mm at Stroke length: 700 mm
Rated speed: 2000 mm/s.

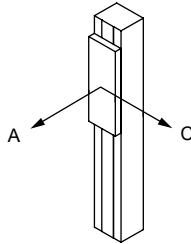
● EKS-10

Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm		
				A	B	C
Straight	0.15	25	21	730	390	1000
			42	310	170	1000
			84	110	60	680
		50	10	1000	640	1000
			20	550	290	1000
			40	220	120	1000
	1	25	16	700	520	1000
			32	310	230	550
			64.5	120	90	220
		50	4.5	1000	1000	1000
			9.5	600	670	920
			19	270	300	410
Left/Right/Bottom	0.15	25	4	1000	1000	1000
			8	1000	1000	1000
			16	550	520	750
		50	1.5	1000	1000	1000
			3.5	1000	1000	1000
			7	620	920	800
	1	25	21	730	390	1000
			42	310	170	1000
			84	110	60	680
		50	9	1000	680	1000
			18.5	590	310	1000
			37.5	250	130	1000
Left/Right/Bottom	2	25	11	1000	790	1000
			22	490	370	850
			44	210	150	380
		50	3	1000	1000	1000
			6.5	910	1000	1000
			13	420	470	650
Left/Right/Bottom	0.15	25	1	1000	1000	1000
			2.5	1000	1000	1000
			5	1000	1000	1000
		50	1	1000	1000	1000
			2.5	1000	1000	1000
			5	1000	1000	1000

*Screw lead 25 mm at Stroke length: 900 mm
Rated speed: 1250 mm/s
Screw lead 50 mm at Stroke length: 900 mm
Rated speed: 2500 mm/s.

Allowable moment and overhang length by mounting orientation (EKS Series)

[When installed vertically]



[Allowable overhang length]

● EKS-04

Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm	
				A	C
Straight	0.15	10	2	290	290
			4	130	130
			8.5	50	50
		16	1.5	270	270
			3.5	120	120
			7	50	50
	1	10	2	270	270
			4	120	120
			8.5	50	50
		16	1.5	270	270
			3	120	120
			6.5	50	50
Left/Right/Bottom	0.15	10	2	280	280
			4	130	130
			8	50	50
		16	1	290	290
			2.5	130	130
			5.5	50	50
	1	10	2	270	270
			4	120	120
			8.5	50	50
		16	1.5	270	270
			3	120	120
			6.5	50	50
Left/Right/Bottom	0.15	10	1.5	350	350
			3	160	160
			6.5	70	70
		16	1	360	360
			2	170	170
			4.5	70	70
	2	10	2	270	270
			4	120	120
			8.5	50	50
		16	1.5	270	270
			3	120	120
			6.5	50	50

*Screw lead 10 mm at Stroke length: 550 mm
Rated speed: 500 mm/s
Screw lead 16 mm at Stroke length: 550 mm
Rated speed: 800 mm/s.

● EKS-05

Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm	
				A	C
Straight	0.15	10	3	320	320
			6	140	140
			12.5	60	60
		20	1.5	420	420
			3	190	190
			6	80	80
	1	10	3	320	320
			6	140	140
			12	60	60
		20	1	400	400
			2.5	190	190
			5.5	80	80
Left/Right/Bottom	0.15	10	1	500	500
			2.5	370	370
			5	170	170
		20	1.5	280	280
			3.5	120	120
			-	-	-
	1	10	2.5	350	350
			5.5	160	160
			11.5	60	60
		20	1	460	460
			2.5	210	210
			5.5	90	90
Left/Right/Bottom	0.15	10	2.5	370	370
			5	170	170
			10.5	70	70
		20	1	500	500
			2	240	240
			4.5	100	100
	2	10	1	500	500
			2	470	470
			4	220	220
		20	1.5	330	330
			3	150	150
			-	-	-

*Screw lead 10 mm at Stroke length: 600 mm
Rated speed: 500 mm/s
Screw lead 16 mm at Stroke length: 600 mm
Rated speed: 1000 mm/s.

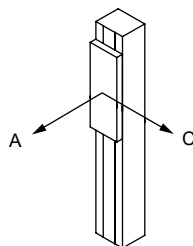
● EKS-06

Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm	
				A	C
Straight	0.15	20	3	440	440
			6	200	200
			12.5	80	80
		30	2	600	600
			4	340	340
			8	150	150
	1	20	2.5	450	450
			5.5	210	210
			11	90	90
		30	1.5	600	600
			3	330	330
			6.5	150	150
Left/Right/Bottom	0.15	20	1.5	600	600
			3	370	370
			6	170	170
		30	1	600	600
			2	420	420
			4.5	190	190
	1	20	2.5	510	510
			5.5	240	240
			11	100	100
		30	1.5	600	600
			3.5	390	390
			7	180	180
Left/Right/Bottom	0.15	20	2	560	560
			4.5	260	260
			9	110	110
		30	1	600	600
			2.5	440	440
			5	200	200
	2	20	1	600	600
			2.5	450	450
			-	-	-
		30	1.5	600	600
			3	310	310
			-	-	-

*Screw lead 20 mm at Stroke length: 650 mm
Rated speed: 1000 mm/s
Screw lead 30 mm at Stroke length: 650 mm
Rated speed: 1500 mm/s.

Allowable moment and overhang length by mounting orientation (EKS Series)

[When installed vertically]



[Allowable overhang length]

● EKS-08

Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm	
				A	C
Straight	0.15	20	6	670	670
			12	320	320
			24.5	140	140
		40	2.5	800	800
			5.5	520	520
			11.5	240	240
	1	20	5	690	690
			10.5	330	330
			21.5	150	150
		40	2	800	800
			4	510	510
			8.5	240	240
Left/Right/Bottom	0.15	20	2	800	800
			4	800	800
			8.5	380	380
		40	1	800	800
			2.5	670	670
			5.5	320	320
	1	20	5.5	730	730
			11	350	350
			22.5	160	160
		40	2.5	800	800
			5	610	610
			10	290	290
	2	20	4.5	800	800
			9	400	400
			18	180	180
		40	1.5	800	800
			3.5	630	630
			7	300	300
	2	20	1.5	800	800
			3.5	800	800
			-	-	-
		40	1	800	800
			2	800	800
			4	450	450

*Screw lead 20 mm at Stroke length: 700 mm
Rated speed: 1000 mm/s
Screw lead 40 mm at Stroke length: 700 mm
Rated speed: 2000 mm/s.

● EKS-10

Motor mounted	Acceleration/deceleration G	Screw lead	Weight kg	Overhang mm	
				A	C
Straight	0.15	25	9	950	950
			18.5	450	450
			37	200	200
		50	4	1000	1000
			8.5	760	760
			17	360	360
	1	25	7	1000	1000
			14	530	530
			28	240	240
		50	2.5	1000	1000
			5	850	850
			10.5	400	400
Left/Right/Bottom	0.15	25	2	1000	1000
			4.5	1000	1000
			9.5	720	720
		50	1	1000	1000
			2.5	1000	1000
			5	730	730
	1	25	8	1000	1000
			16	520	520
			32.5	240	240
		50	3.5	1000	1000
			7	900	900
			14.5	430	430
	2	25	5	1000	1000
			10.5	720	720
			21	340	340
		50	1.5	1000	1000
			3.5	1000	1000
			7.5	580	580
	2	50	1	1000	1000
			2	1000	1000

*Screw lead 25 mm at Stroke length: 900 mm
Rated speed: 1250 mm/s
Screw lead 50 mm at Stroke length: 900 mm
Rated speed: 2500 mm/s.

Table of Load Capacity by Acceleration/deceleration

[EKS Series (straight motor mounting)]

*The table below lists the max. load capacity at each acceleration/deceleration.
Refer to the model that satisfies the required operation conditions.

When installed horizontally

Unit: kg

Model	Screw lead	Acceleration/deceleration (G)					
		0.15	0.3	0.5	1	1.5	2
EKS-04	10	19	19	19	19	18	12
	16	14	14	14	14	11.5	8.5
EKS-05	10	26	26	26	25.5	13.5	7.5
	20	7.5	7.5	7.5	7.5	7.5	5.5
EKS-06	20	47.5	47.5	42	27	15	9
	30	20.5	20.5	20.5	14	10	7.5
EKS-08	20	83.5	83.5	83.5	49	25.5	14
	40	19	19	19	16.5	11	8.5
EKS-10	25	171.5	171.5	118.5	64.5	33.5	16
	50	40	40	40	19	11	7

* 2G or more may also be supported in some cases. Contact CKD for details.

When wall-mounted

Unit: kg

Model	Screw lead	Acceleration/deceleration (G)					
		0.15	0.3	0.5	1	1.5	2
EKS-04	10	11	10.5	10.5	10	10	9.5
	16	8.5	8.5	8	7.5	7	7
EKS-05	10	19.5	19	19	18	13.5	7.5
	20	7.5	7.5	7.5	7.5	7.5	5.5
EKS-06	20	21.5	21	20	18.5	15	9
	30	20.5	19.5	18	14	10	7.5
EKS-08	20	47.5	46.5	45	42	25.5	14
	40	19	19	19	16.5	11	8.5
EKS-10	25	84	79.5	76	64.5	33.5	16
	50	40	40	40	19	11	7

* 2G or more may also be supported in some cases. Contact CKD for details.

When installed vertically

Unit: kg

Model	Screw lead	Acceleration/deceleration (G)					
		0.15	0.3	0.5	1	1.5	2
EKS-04	10	8.5	8.5	8.5	8.5	8.5	8
	16	7	7	7	6.5	6.5	5.5
EKS-05	10	12.5	12.5	12.5	12	8	5
	20	6	6	6	5.5	5	3.5
EKS-06	20	12.5	12.5	12	11	8.5	6
	30	8	8	7.5	6.5	5.5	4.5
EKS-08	20	24.5	24	23.5	21.5	14.5	8.5
	40	11.5	11	10.5	8.5	7	5.5
EKS-10	25	37	35.5	33.5	28	19	9.5
	50	17	16	14.5	10.5	7.5	5

* 2G or more may also be supported in some cases. Contact CKD for details.

Table of Load Capacity by Acceleration/deceleration

[EKS Series (motor mounting on side/bottom)]

*The table below lists the max. load capacity at each acceleration/deceleration.
Refer to the model that satisfies the required operation conditions.

When installed horizontally

Unit: kg

Model	Screw lead	Acceleration/deceleration (G)					
		0.15	0.3	0.5	1	1.5	2
EKS-04	10	19	19	19	19	15.5	10.5
	16	14	14	14	14	10.5	7.5
EKS-05	10	26	26	26	22	11.5	6
	20	7.5	7.5	7.5	7.5	7.5	5
EKS-06	20	44.5	44.5	41	20.5	10	4.5
	30	19	19	19	11	7.5	5
EKS-08	20	79.5	79.5	79.5	38.5	17	6.5
	40	18	18	18	13.5	8.5	6
EKS-10	25	161.5	150	92.5	44	16.5	0.5
	50	37.5	37.5	37.5	13	6	2.5

* 2G or more may also be supported in some cases. Contact CKD for details.

When wall-mounted

Unit: kg

Model	Screw lead	Acceleration/deceleration (G)					
		0.15	0.3	0.5	1	1.5	2
EKS-04	10	11	10.5	10.5	10	10	9.5
	16	8.5	8.5	8	7.5	7	7
EKS-05	10	19.5	19	19	18	11.5	6
	20	7.5	7.5	7.5	7.5	7.5	5
EKS-06	20	21.5	21	20	18.5	10	4.5
	30	19	19	18	11	7.5	5
EKS-08	20	47.5	46.5	45	38.5	17	6.5
	40	18	18	18	13.5	8.5	6
EKS-10	25	84	79.5	76	44	16.5	0.5
	50	37.5	37.5	37.5	13	6	2.5

* 2G or more may also be supported in some cases. Contact CKD for details.

When installed vertically

Unit: kg

Model	Screw lead	Acceleration/deceleration (G)					
		0.15	0.3	0.5	1	1.5	2
EKS-04	10	8.5	8.5	8.5	8.5	8.5	6.5
	16	7	7	7	6.5	6	4.5
EKS-05	10	11.5	11.5	11.5	10.5	6.5	4
	20	5.5	5.5	5	4.5	4.5	3
EKS-06	20	11	11	10.5	9	5.5	2.5
	30	7	7	6.5	5	4.5	3
EKS-08	20	22.5	21.5	20.5	18	9.5	3.5
	40	10	10	9	7	5.5	4
EKS-10	25	32.5	30.5	28	21	8.5	-
	50	14.5	14	12.5	7.5	4	2

* 2G or more may also be supported in some cases. Contact CKD for details.

Servo motor compatible

EBS
EBR
ETS
ETS Multi-Axis
ECS
ETV
ECV
EKS

Stepper motor compatible

EBS
EBR
ETS
ECS

Safety
precautions