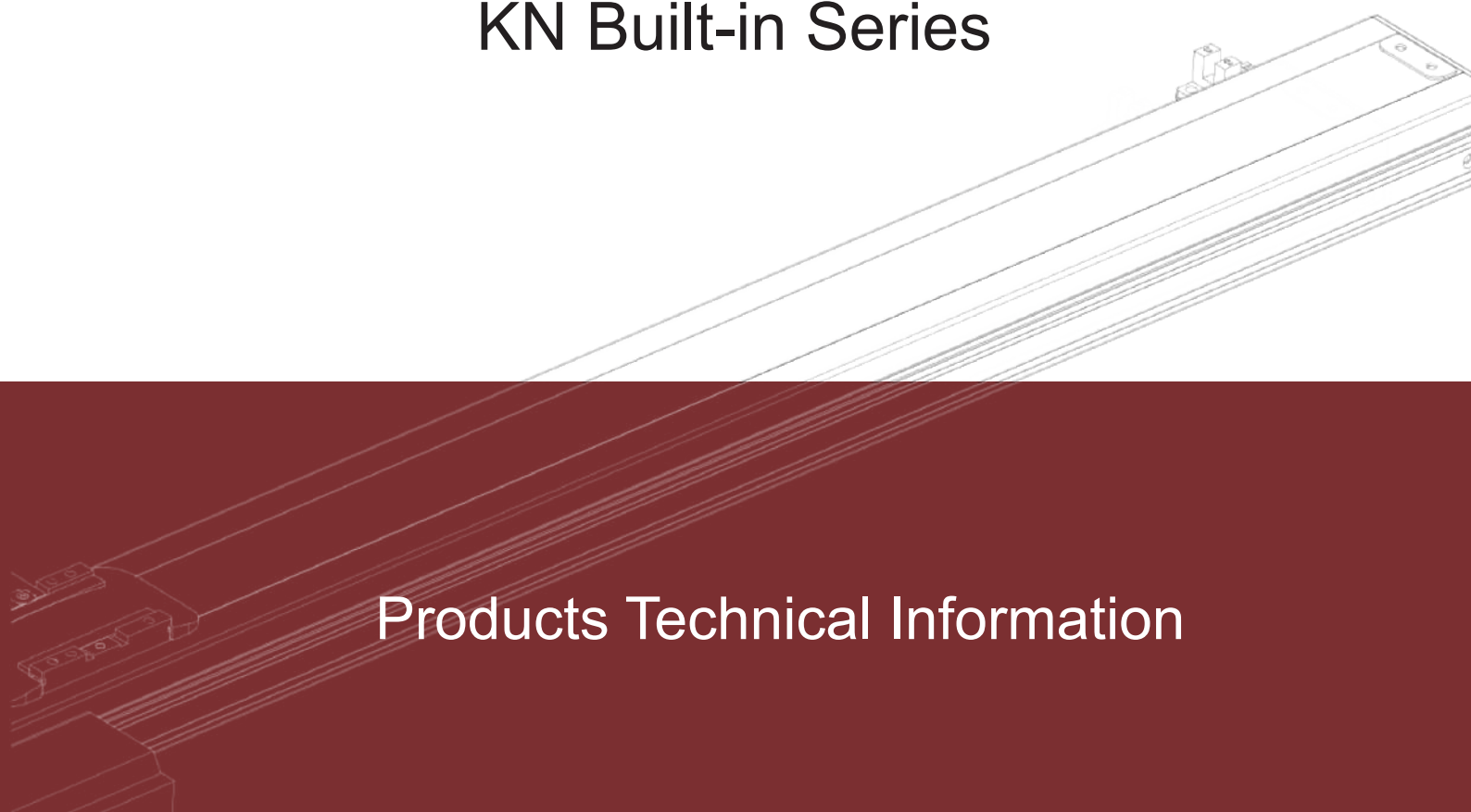


Linear Actuator
KT Series
KN Built-in Series

A technical line drawing of a linear actuator, showing its internal components and structure. The drawing is oriented diagonally, with the actuator's body extending from the bottom left towards the top right. The drawing is rendered in a light gray color, contrasting with the dark red background.

Products Technical Information

KT Series



Model Descriptions

KT - 60 - 10 - P - E - 200 - E - B - 1 - E - F0 - S0 - M

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬

①

Model
KT/KTC/KTB
C:Aluminum cover
B:Bellows
None: Without cover

②

Size
30 40 50 60 86 100

③

Ballscrew(B.S.)Lead
KT30:1
KT40:1
KT50:2
KT60:5,10,20
KT86:10,20
KT100:20

④

Precision Grade
P:Precision
C:Normal

⑤

Ballscrew Special Order
None: Normal Type

⑥

Rail Length (mm)
KT30:75,100,125,150,175,200
KT40:100,150,200
KT50:150,200,250,300
KT60:150,200,300,400,500,600
KT86:340,440,540,640,740,940
KT100:980,1080,1180,1280,1380

⑦

Rail Special Order
None: Normal Type

⑧

Block Type
B: Standard

⑨

Number of Block: 1, 2

⑩

Block Special Order
None: Block Standard

⑪

Motor Adaptor Flange:
Ref. P.14~19

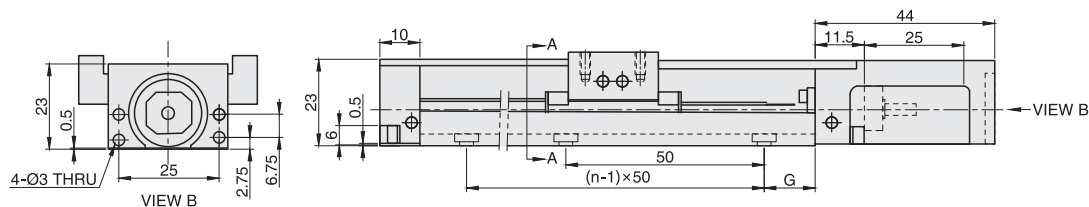
⑫

Limit Switch:
S0:Switch Rail Only
S1: SX671
S2: SX674
S3: GX-F12A
S4: GX-F12A-P

⑬

M: With Motor
None: Without Motor

Without cover/With cover

[illegible]2

KT Series

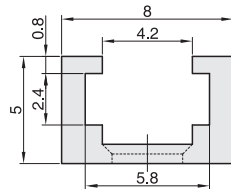
KT30 Standard

Without cover/With cover

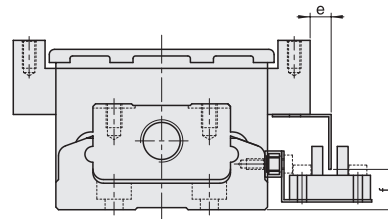


Switch Rail

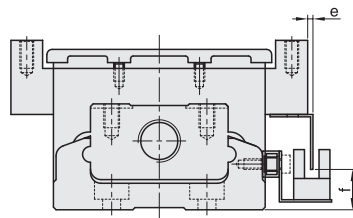
S0 (Switch Rail Only)



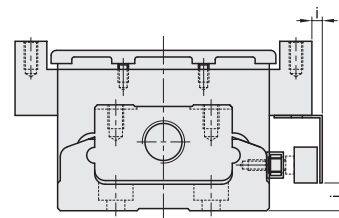
S1 (Switch Rail SX671)



S2 (Switch Rail SX674)



S3 (Switch Rail GX-F12A)
S4 (Switch Rail GX-F12A-P)



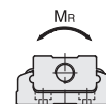
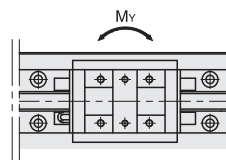
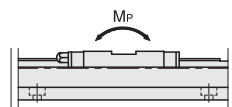
Model	Switch Rail
KT30	S1 (Switch Rail SX671)
	S2 (Switch Rail SX674)
	S3 (Switch Rail GX-F12A)
	S4 (Switch Rail GX-F12A-P)

Precision Grade

Model	Rail Length L2	Repeatability		Accuracy		Running Parallelism		Starting Torque (N·cm)	
		Normal	Precision	Normal	Precision	Normal	Precision	Normal	Precision
KT30 KTC30	75 100 125 150 175 200	±0.004	±0.003	0.040	0.020	0.010	0.010	0.8	1.2

Maximum Speed

Model	Ballscrew Lead (mm)	Rail Length L2 (mm)	Speed (mm/sec)	
			Normal	Precision
KT30 KTC30	1	75 100 125 150 175 200	160	160



Specification

Model	Precision Grade	Ballscrew				Linear Guideway															
		Nominal Diameter (mm)	Lead (mm)	Basic Dynamic Load (N)	Basic Static Load (N)	Basic Dynamic Load Rating (N)		Basic Static Load Rating (N)		Static Rated Moment											
						Block A	Block S	Block A	Block S	Allowable Static Moment MP (N-m/pitching)				Allowable Static Moment MY (N-m/yawing)				Allowable Static Moment MR (N-m/rolling)			
KT30	Normal	6	1	618	1079	2210	-	3510	-	14	73	-	-	14	73	-	-	14	73	-	-
KTC30	Precision			647	1088																

Order	Model	Size	Rail Length	Number of Blocks	Precision Grade	Motor Adaptor Flange	Switch Rail
	KT30	601	L75	B1	P	F1	S1
	KTC30	601	L100	B1	P	F1	S1

Discount	Quantity	1 ~ 5	5 ~
	Discount	100%	Negotiable

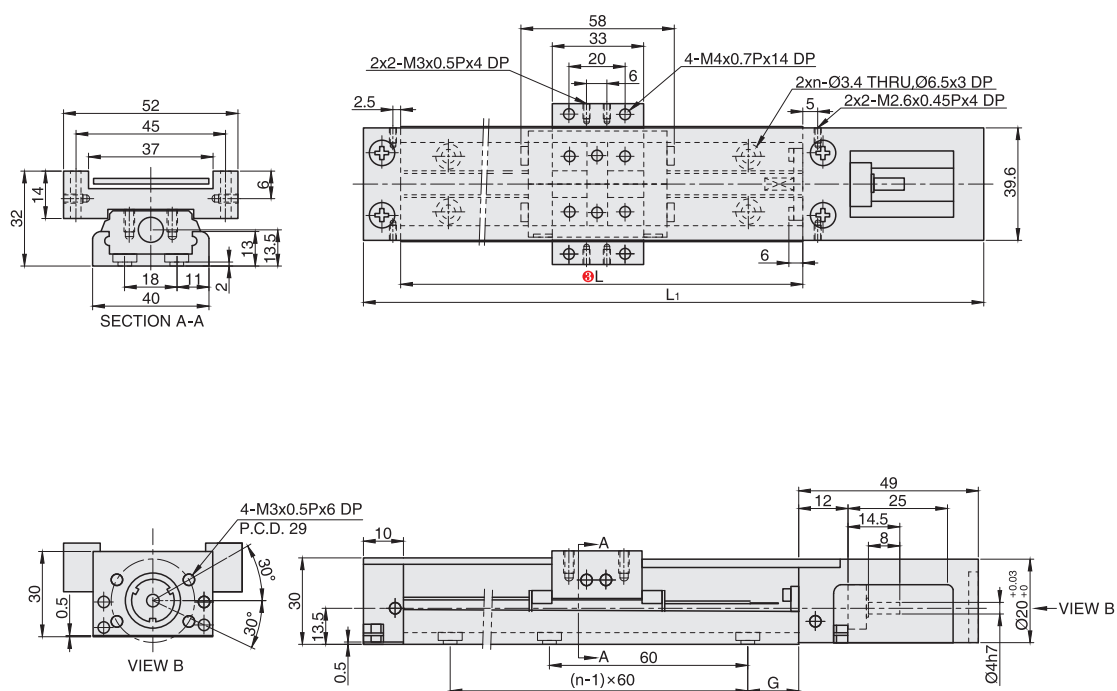
KT Series

KT40 Standard

Without cover/With cover



Model		Size	Type	Ball screw Lead	Block Base	Base		Motor Table		Cover	
Without cover	With cover					Material	Hardness	Material	Surface treatment	Material	Surface treatment
KT40	KTC40	40	Servo Motor	1	Alloy Steel	Alloy Steel	58~62HRC	Aluminum alloys	Black Anodic Oxidation	Aluminum alloys	Black Anodic Oxidation



Type		Rail Length	Number of Blocks	Precision Grade	Motor Adapter Flange	Switch Rail	Ball screw		Total Length L1	G	n	Maximum Stroke		Without cover/ Mass(Kg)		With cover/Mass(Kg)	
Model	Size						Diameter	Lead				Single Block	Double Blocks	Single Block	Double Blocks	Single Block	Double Blocks
KT40	801	※100 150 200	B1(1) B2(2)	C(Normal) P(Precision)	F1 F2 F3	None: No Limit Switch and Switch Rail S0 (Switch Rail Only) S1 (Switch Rail SX671) S2 (Switch Rail SX674) S3 (Switch Rail GX-F12A) S4 (Switch Rail GX-F12A-P)	8	1	159	20	2	36	-	0.48	-	0.55	-
KTC40									209	15	3	86	34	0.6	0.67	0.68	0.76
									259	40	3	136	84	0.72	0.79	0.82	0.89

The rail length marked ※ is only with single block.

KT Series

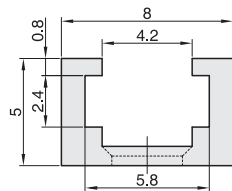
KT40 Standard

Without cover/With cover

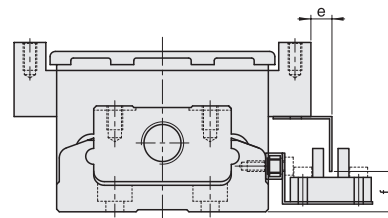


Switch Rail

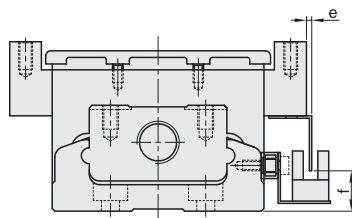
S0 (Switch Rail Only)



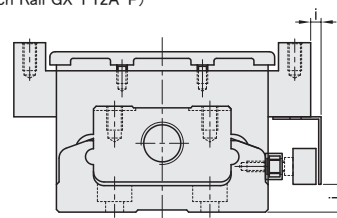
S1 (Switch Rail SX671)



S2 (Switch Rail SX674)



S3 (Switch Rail GX-F12A)
S4 (Switch Rail GX-F12A-P)



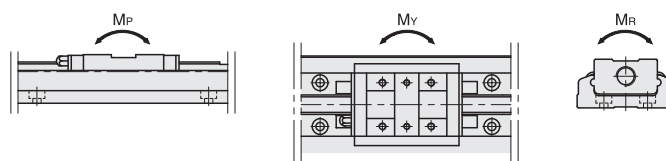
Model	Switch Rail	e	f	i	j
KT40	S1 (Switch Rail SX671)	15.3	12	-	-
	S2 (Switch Rail SX674)	10.5			
	S3 (Switch Rail GX-F12A)	-	-	13.5	5.5
	S4 (Switch Rail GX-F12A-P)	-			

Precision Grade

Model	Rail Length L2	Repeatability		Accuracy		Running Parallelism		Starting Torque(N·cm)	
		Normal	Precision	Normal	Precision	Normal	Precision	Normal	Precision
KT40 KTC40	100 150 200	±0.01	±0.003	-	0.020	-	0.010	0.8	1.2

Maximum Speed

Model	Ballscrew Lead(mm)	Rail Length L2(mm)	Speed(mm/sec)	
			Normal	Precision
KT40 KTC40	1	100 150 200	190	190



Specification

Model	Precision Grade	Ballscrew				Linear Guideway													
		Nominal Diameter (mm)	Lead (mm)	Basic Dynamic Load (N)	Basic Static Load (N)	Basic Dynamic Load Rating(N)		Basic Static Load Rating(N)		Static Rated Moment									
						Block A	Block S	Block A	Block S	Allowable Static Moment Mp (N·m)(pitching)				Allowable Static Moment MY (N·m)(yawing)				Allowable Static Moment MR (N·m)(rolling)	
KT40 KTC40	Normal Precision	8	1	676 735	1284 1538	3920	-	6468	-	Block A1	Block A2	Block S1	Block S2	Block A1	Block A2	Block S1	Block S2	Block A1	Block A2
										33	182	-	-	33	182	-	-	33	182

Order	Model	Size	Rail Length L	Number of Blocks	Precision Grade	Motor Adaptor Flange	Switch Rail
	KT40	801	L100	B1	P	F1	S1
	KTC40	801	L150	B1	P	F1	S1

Discount	Quantity	1 ~ 5	5 ~
	Discount	100%	Negotiable

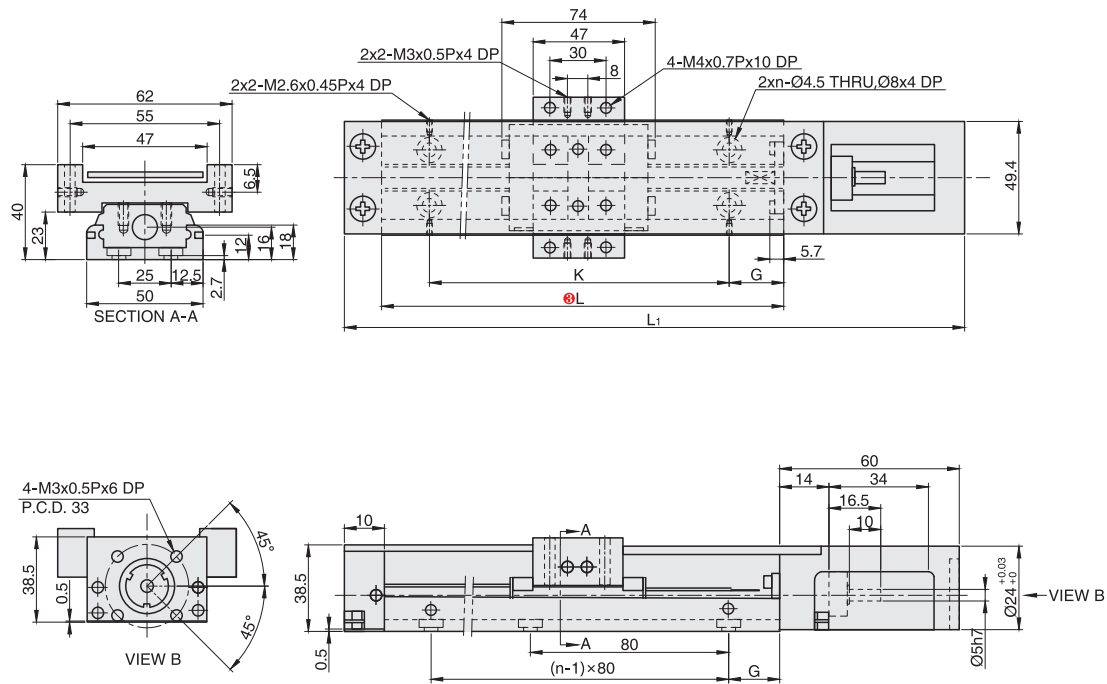
KT Series

KT50 Standard

Without cover/With cover



Model		Size	Type	Ballscrew Lead	Block			Motor Table		Cover	
Without cover	With cover				Base	Material	Hardness	Material	Surface treatment	Material	Surface treatment
KT50	KTC50	50	Servo Motor	2	Alloy Steel	Alloy Steel	58~62HRC	Aluminum alloys	Black Anodic Oxidation	Aluminum alloys	Black Anodic Oxidation



Type		Rail Length	Number of Blocks	Precision Grade	Motor Adapter Flange	Switch Rail	Ballscrew		Total Length L1	G	n	Maximum Stroke		Without cover/ Mass(Kg)	
Model	Size						Diameter	Lead				Single Block	Double Blocks	Single Block	Double Blocks
KT50 KTC50	802	150	B1(1)	C(Normal)	F1	None: No Limit Switch and Switch Rail S0 (Switch Rail Only) S1 (Switch Rail SX671) S2 (Switch Rail SX674) S3 (Switch Rail GX-F12A) S4 (Switch Rail GX-F12A-P)	8	2	220	35	2	70	-	1.1	1.5
		200	B2(2)	P(Precision)	F2				270	20	3	120	55	1.3	1.8
		250			F3				320	45	3	170	105	1.6	1.8
		300							370	30	4	220	155	1.8	2.0

The rail length marked ※ is only with single block.

KT Series

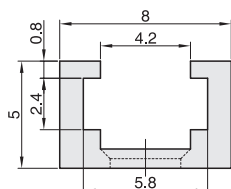
KT50 Standard

Without cover/With cover

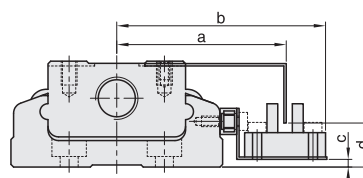


Switch Rail

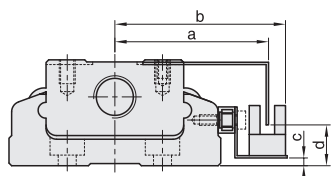
S0 (Switch Rail Only)



S1 (Switch Rail SX671)

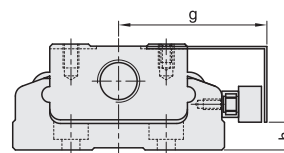


S2 (Switch Rail SX674)



S3 (Switch Rail GX-F12A)

S4 (Switch Rail GX-F12A-P)



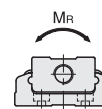
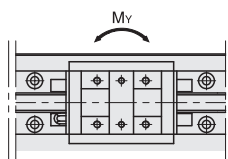
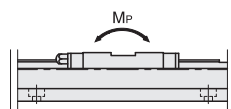
Model	Switch Rail	a	b	c	d	g	h
KT50	S1 (Switch Rail SX671)	45.5	59	1	10	-	-
	S2 (Switch Rail SX674)	41.3	48		10.5		
	S3 (Switch Rail GX-F12A)	-	-	-	-	39.5	5.7
	S4 (Switch Rail GX-F12A-P)	-	-	-	-	-	-

Precision Grade

Model	Rail Length L2	Repeatability		Accuracy		Running Parallelism		Starting Torque(N·cm)	
		Normal	Precision	Normal	Precision	Normal	Precision	Normal	Precision
KT50	150	±0.005	±0.003	-	±0.020	-	0.010	2	4
	200								
KTC50	250								
	300								

Maximum Speed

Model	Ballscrew Lead(mm)	Rail Length L2(mm)	Speed (mm/sec)	
			Normal	Precision
KT50	2	150	270	270
		200	270	270
		250	270	270
		300	270	270



Specification

Model	Precision Grade	Ballscrew				Linear Guideway															
		Nominal Diameter (mm)	Lead (mm)	Basic Dynamic Load(N)	Basic Static Load(N)	Basic Dynamic Load Rating(N)		Basic Static Load Rating(N)		Static Rated Moment											
						BlockA	BlockS	BlockA	BlockS	Allowable Static Moment Mp(N·m)(pitching)				Allowable Static Moment MY(N·m)(yawing)				Allowable Static Moment MR(N·m)(rolling)			
										BlockA1	BlockA2	BlockS1	BlockS2	BlockA1	BlockA2	BlockS1	BlockS2	BlockA1	BlockA2	BlockS1	BlockS2
KT50	Normal	8	2	1813	2910	8007	—	12916	—	116	545	—	—	116	545	—	—	222	444	—	—
KTC50	Precision			2136	3489																

	Order	Model	Size	Rail Length L	Number of Blocks	Precision Grade	Motor Adaptor Flange	Switch Rail
		KT50	0802	L150	B1	P	F1	S1
		KTC50	0802	L150	B1	P	F1	S1

	Discount	Quantity	1 ~ 5	5 ~
		Discount	100%	Negotiable

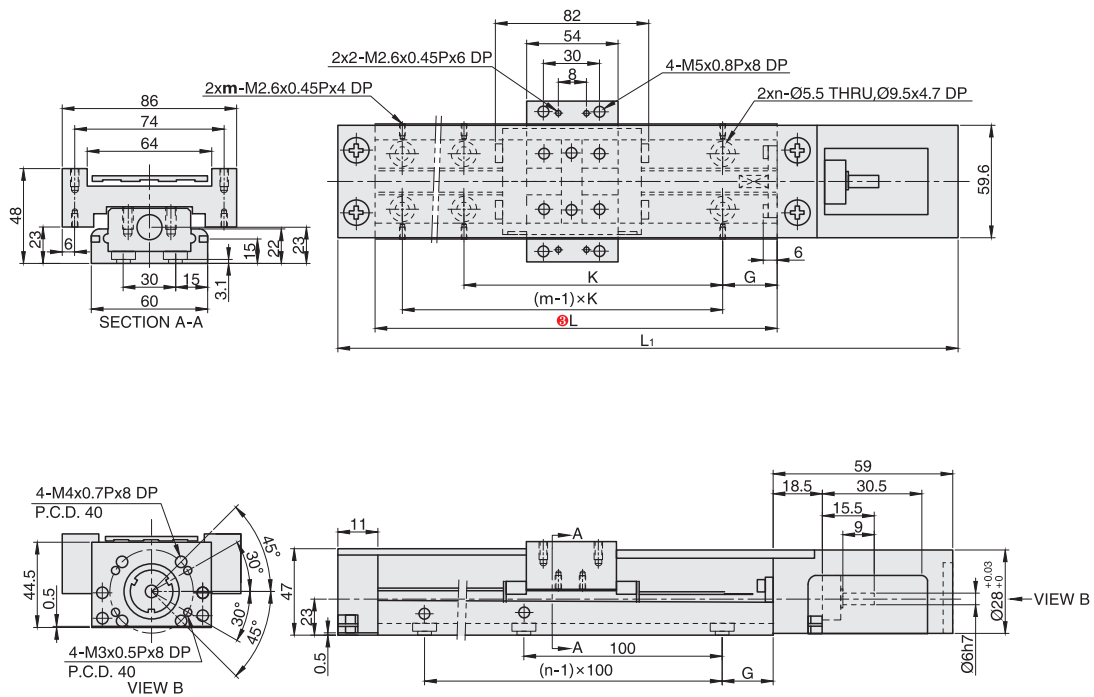
KT Series

KT60 Standard

Without cover/With cover



Model		Size	Type	Ballscrew Lead	Block		Base		Motor Table		Cover	
Without cover	With cover				Base	Material	Material	Hardness	Material	Surface treatment	Material	Surface treatment
KT60	KTC60	60	Servo Motor	5:10	Alloy Steel	Alloy Steel	Aluminum alloys	58~62HRC	Aluminum alloys	Black Anodic Oxidation	Aluminum alloys	Black Anodic Oxidation

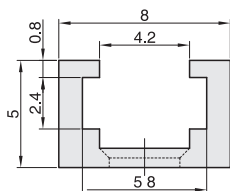


Type		Rail Length	Number of Blocks	Precision Grade	Motor Adapter Flange	Switch Rail	Ballscrew		Total Length L1	G	n	K	m	Maximum Stroke		Without cover/ Mass(Kg)		With cover/ Mass (Kg)	
Model	Size						Diameter	Lead						Single Block	Double Blocks	Single Block	Double Blocks	Single Block	Double Blocks
KT60 KTC60	1205	※150	B1(1) B2(2)	C(Normal) P(Precision)	F1	None: No Limit Switch and Switch Rail	12	5	220	2	2	10	2	60	-	1.5	-	1.7	-
	1210							10											
	1205	※200			F2			5	270		2	10	2	110	-	1.8	-	2.1	-
	1210							10											
	1205	300			F3			5	370		3	20	2	210	135	2.4	2.7	2.7	3.0
	1210							10											
	1205	400			F4			5	470		4	10	4	310	235	3	3.3	3.3	3.6
	1210							10											
	1205	500			F5			5	570		5	20	3	410	335	3.6	3.9	3.9	4.2
	1210							10											
1205	600	F6	5	670	6	10	6	510	435	4.2	4.6	4.6	5.0						
1210			10																

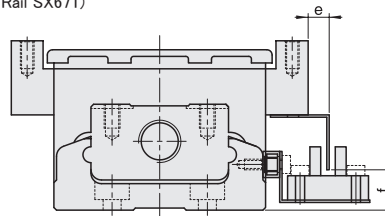
The rail length marked ※ is only with single block.

Switch Rail

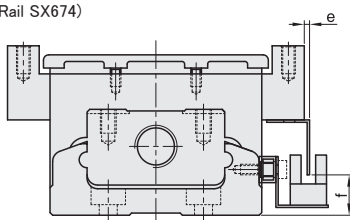
S0(Switch Rail Only)



S1 (Switch Rail SX671)

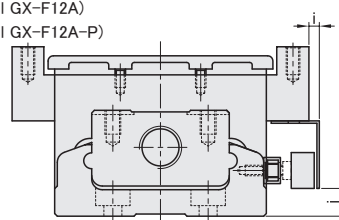


S2(Switch Rail SX674)



S3(Switch Rail GX-F12A)

S4(Switch Rail GX-F12A-P)



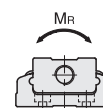
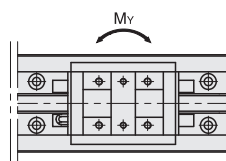
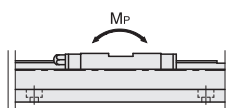
Model	Switch Rail	e	f	i	j
KT60	S1 (Switch Rail SX671)	8	13	-	-
	S2 (Switch Rail SX674)	3.2			
	S3 (Switch Rail GX-F12A)	-	-	2	9
	S4 (Switch Rail GX-F12A-P)	-	-	-	-

Precision Grade

Model	Rail Length L2	Repeatability		Accuracy		Running Parallelism		Starting Torque(N-cm)	
		Normal	Precision	Normal	Precision	Normal	Precision	Normal	Precision
KT60 KTC60	150	±0.005	±0.003	-	0.020	-	0.010	7	15
	200								
	300								
	400								
	500								
	600								

Maximum Speed

Model	Ballscrew Lead(mm)	Rail Length L2(mm)	Speed(mm/sec)	
			Normal	Precision
KT60 KTC60	5	150	390	550
		200		
		300		
		400	340	340
		500		
		600		
	10	150	790	1100
		200		
		300		
		400	670	670
		500		
		600		



Specification

Model	Precision Grade	Ballscrew				Linear Guideway													
		Nominal Diameter (mm)	Lead (mm)	Basic Dynamic Load(N)	Basic Static Load(N)	Basic Dynamic Load Rating(N)		Basic Static Load Rating(N)		Static Rated Moment									
										Allowable Static Moment Mp(N·m)(pitching)					Allowable Static Moment MY(N·m)(yawing)				
						BlockA	BlockS	BlockA	BlockS	BlockA1	Block2	BlockS1	BlockS2	BlockA1	BlockA2	BlockS1	BlockS2	BlockA1	BlockA2
KT60 KTC60	Normal	12	5	3377	5625	13230	7173	21462	11574	152	760	72	362	152	760	72	367	419	838
	Precision			3744	6243													241	482
	Normal	12	10	2107	3234	13230	7173	21462	11574	152	760	72	362	152	760	72	367	419	838
	Precision			2410	3743													241	482

Order	Model	Size	Rail Length L	Number of Blocks	Precision Grade	Motor Adaptor Flange	Switch Rail
	KT60	1205	L150	B1	P	F1	S1
	KTC60	1205	L150	B1	P	F1	S1

Discount	Quantity	1~5	5~
	Discount	100%	Negotiable

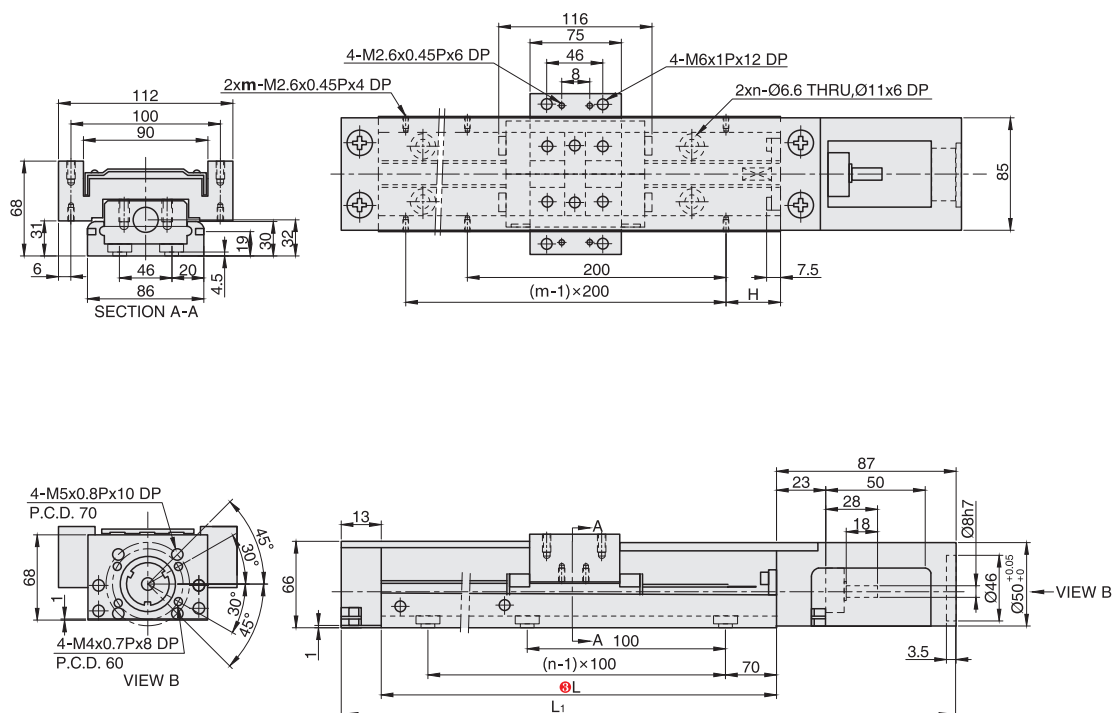
KTSeries

KT86 Standard

Without cover/With cover



Model		Size	Type	Ball screw Lead	Block			Motor Table		Cover	
Without cover	With cover				Base	Material	Hardness	Material	Surface treatment	Material	Surface treatment
KT86	KTC86	86	Servo Motor	10 · 20	Alloy Steel	Alloy Steel	58~62HRC	Aluminum alloys	Black Anodic Oxidation	Aluminum alloys	Black Anodic Oxidation



Type		Rail Length	Number of Blocks	Precision Grade	Motor Adapter Flange	Switch Rail	Ballscrew		Total Length L1	H	n	m	Maximum Stroke		Without cover/ Mass(Kg)		With cover/ Mass (Kg)	
Model	Size						Diameter	Lead					Single Block	Double Blocks	Single Block	Double Blocks	Single Block	Double Blocks
KT86 KTC86	1510	340	B1(1) B2(2)	C(Normal) P(Precision)	F1 F2 F3 F4 F5 F6	None: No Limit Switch and Switch Rail S0(Switch Rail Only) S1(Switch Rail SX671) S2(Switch Rail SX674) S3(Switch Rail GX-F12A) S4(Switch Rail GX-F12A-P)	15	10	440	70	3	2	216.5	108.5	5.7	6.5	6.5	7.3
	1520							20										
	1510	440						10	540	20	4	3	316.5	208.5	6.9	7.7	7.8	8.6
	1520							20										
	1510	540						10	640	70	5	4	416.5	308.5	8.0	8.8	9.0	9.8
	1520							20										
	1510	640						10	740	20	6	4	516.5	408.5	9.2	10.0	10.3	11.3
	1520							20										
	1510	740						10	840	70	7	4	616.5	508.5	10.4	11.2	11.6	12.4
	1520							20										
1510	940	10	1040	70	9	5	816.5	708.5	11.6	12.4	13.0	13.8						
1520		20																

KT Series

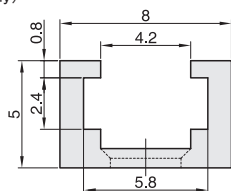
KT86 Standard

Without cover/With cover

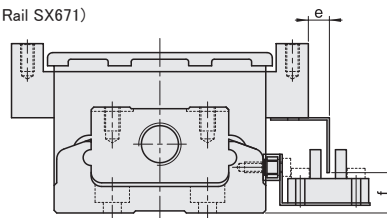


Switch Rail

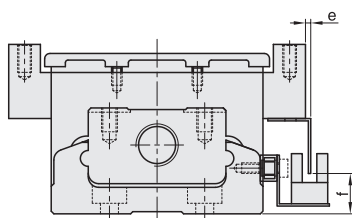
S0 (Switch Rail Only)



S1 (Switch Rail SX671)

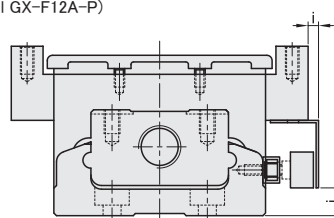


S2 (Switch Rail SX674)



S3 (Switch Rail GX-F12A)

S4 (Switch Rail GX-F12A-P)



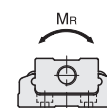
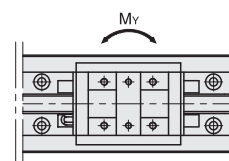
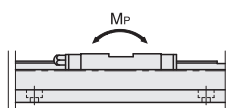
Model	Switch Rail	e	f	i	j
KT86	S1 (Switch Rail SX671)	8	18	-	-
	S2 (Switch Rail SX674)	3			
	S3 (Switch Rail GX-F12A)	-	-	1	13
	S4 (Switch Rail GX-F12A-P)	-			

Precision Grade

Model	Rail Length L2	Repeatability		Accuracy		Running Parallelism		Starting Torque(N-cm)	
		Normal	Precision	Normal	Precision	Normal	Precision	Normal	Precision
KT86 KTC86	340	±0.005	±0.003	-	0.025	-	0.015	10	15
	440								
	540								
	640				0.030		0.020		17
	740								
	940								

Maximum Speed

Model	Ballscrew Lead(mm)	Rail Length L2(mm)	Speed(mm/sec)	
			Normal	Precision
KT86 KTC86	10	340	520	740
		440		
		540		
		640		
		740		
		940		
	20	340	1050	1480
		440		
		540		
		640		
	740	940	870	1220



Specification

Model	Precision Grade	Ballscrew				Linear Guideway													
		Nominal Diameter (mm)	Lead (mm)	Basic Dynamic Load(N)	Basic Static Load(N)	Basic Dynamic Load Rating(N)		Basic Static Load Rating(N)		Static Rated Moment									
						BlockA	BlockS	BlockA	BlockS	Allowable Static Moment Mp(N-m)(pitching)					Allowable Static Moment MY(N-m)(yawing)				
										BlockA1	BlockA2	BlockS1	BlockS2	BlockA1	BlockA2	BlockS1	BlockS2	BlockA1	BlockA2
KT86 KTC86	Normal	15	10	6429	11387	31458	21051	50764	29475	662	3050	228	1309	622	3050	228	1309	1507	3014
	Precision			7144	12642														
	Normal	15	20	4175	6889														
	Precision			4645	7655														

Order	Model	Size	Rail Length L	Number of Blocks	Precision Grade	Motor Adaptor Flange	Switch Rail
	KT86	1510	L340	B2	P	F1	S1
	KTC86	1510	L440	B2	P	F1	S1

Discount	Quantity	1~5	5~
	Discount	100%	Negotiable

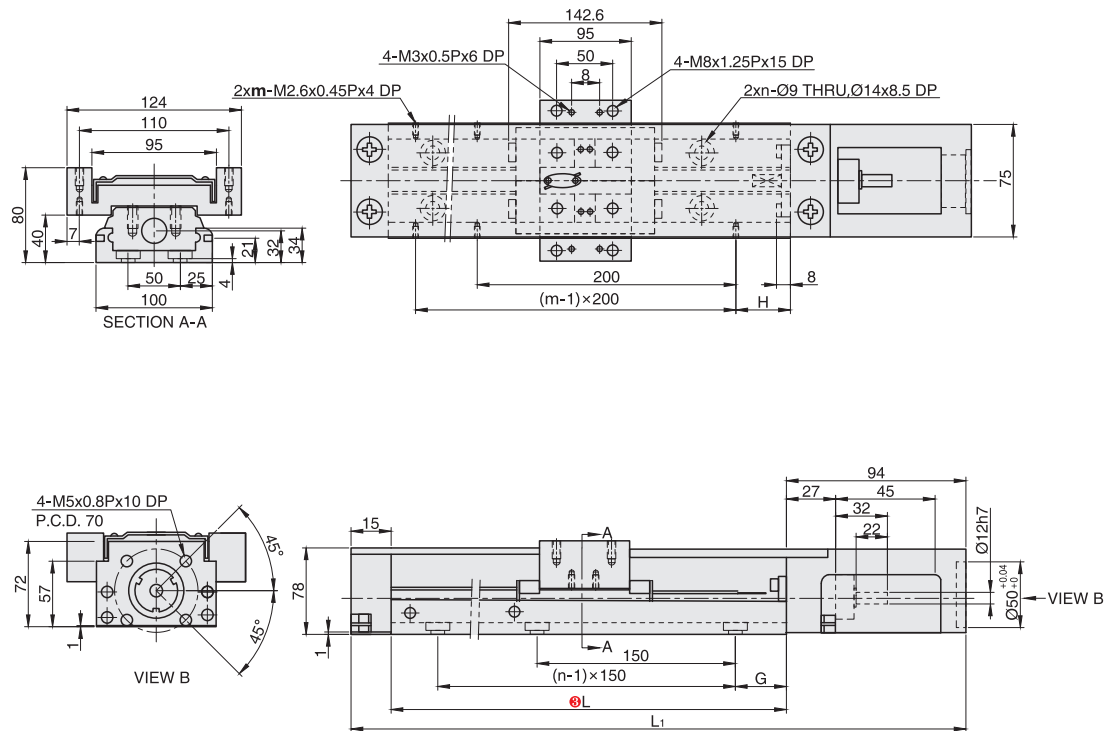
KT Series

KT100 Standard

Without cover/With cover



Model		Size	Type	Ballscrew Lead	Block			Motor Table		Cover	
Without cover	With cover				Base	Material	Hardness	Material	Surface treatment	Material	Surface treatment
KT100	KTC100	100	Servo Motor	20	Alloy Steel	Alloy Steel	58~62HRC	Aluminum alloys	Black Anodic Oxidation	Aluminum alloys	Black Anodic Oxidation



Type		Rail Length	Number of Blocks	Precision Grade	Motor Adapter Flange	Switch Rail	Ballscrew		Total Length L1	G	H	n	m	Maximum Stroke		Without cover/ Mass(Kg)		With cover/ Mass (Kg)	
Model	Size						Diameter	Lead						Single Block	Double Blocks	Single Block	Double Blocks	Single Block	Double Blocks
KT100 KTC100	2020	980	B1(1) B2(2)	C(Normal) P(Precision)	F0 F1 F2	None: No Limit Switch and Switch Rail S0 (Switch Rail Only) S1 (Switch Rail SX671) S2 (Switch Rail SX674) S3 (Switch Rail GX-F12A) S4 (Switch Rail GX-F12A-P)	20	20	1089	40	90	7	5	828	700	18.6	20.3	20.4	22.1
		1080							1189	15	40	8	6	928	800	20.3	22.0	22.2	23.9
		1180							1289	65	90	8	6	1028	900	22.0	23.7	24.0	25.7
		1280							1389	40	40	9	7	1128	1000	23.6	25.3	25.7	27.4
		1380							1489	15	90	10	7	1228	1100	25.3	27.0	27.5	29.2

KT Series

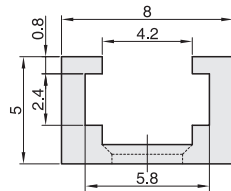
KT100 Standard

Without cover/With cover

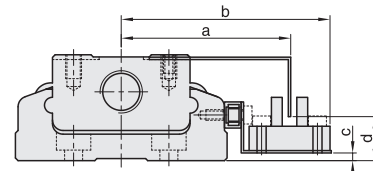


Switch Rail

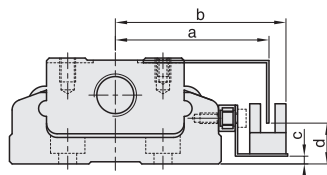
S0(Switch Rail Only)



S1(Switch Rail SX671)

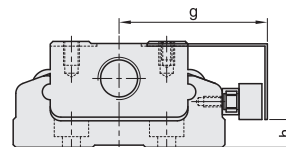


S2(Switch Rail SX674)



S3(Switch Rail GX-F12A)

S4(Switch Rail GX-F12A-P)



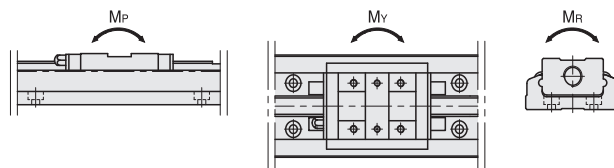
Model	Switch Rail	a	b	c	d	g	h
KT100	S1(Switch Rail SX671)	71	84	10	20	-	-
	S2(Switch Rail SX674)	66	73				
	S3(Switch Rail GX-F12A)	-	-	-	-	64.5	15
	S4(Switch Rail GX-F12A-P)	-	-	-	-	-	-

Precision Grade

Model	Rail Length L2	Repeatability		Accuracy		Running Parallelism		Starting Torque(N-cm)	
		Normal	Precision	Normal	Precision	Normal	Precision	Normal	Precision
KT100 KTC100	980	± 0.01	± 0.005	-	± 0.035	-	± 0.25	12	17
	1080								
	1180	± 0.01	± 0.005	-	± 0.040	-	± 0.03	12	20
	1280	± 0.01	± 0.005	-	± 0.045	-	± 0.035	15	23
	1380	± 0.01	± 0.005	-	± 0.05	-	± 0.04	15	25

Maximum Speed

Model	Ballscrew Lead(mm)	Rail Length L2(mm)	Speed(mm/sec)	
			Normal	Precision
KT100 KTC100	20	980	800	1120
		1080	800	980
		1180	750	750
		1280	630	630
		1380	530	530



Specification

Model	Precision Grade	Ballscrew				Linear Guideway															
		Nominal Diameter (mm)	Lead (mm)	Basic Dynamic Load(N)	Basic Static Load(N)	Basic Dynamic Load Rating(N)		Basic Static Load Rating(N)		Static Rated Moment											
						BlockA	BlockS	BlockA	BlockS	Allowable Static Moment Mp(N·m)(pitching)				Allowable Static Moment MY(N·m)(yawing)				Allowable Static Moment MR(N·m)(rolling)			
										BlockA1	BlockA2	BlockS1	BlockS2	BlockA1	BlockA2	BlockS1	BlockS2	BlockA1	BlockA2	BlockS1	BlockS2
KT100 KTC100	Normal Precision	20	20	4782 7046	9163 12544	38200	—	63406	—	960	4763	—	—	960	4763	—	—	2205	4410	—	—

Order	Model	Size	Rail Length L	Number of Blocks	Precision Grade	Motor Adaptor Flange	Switch Rail
	KT100	2020	L980	B2	P	F1	S1
	KTC100	2020	L1180	B2	P	F1	S1

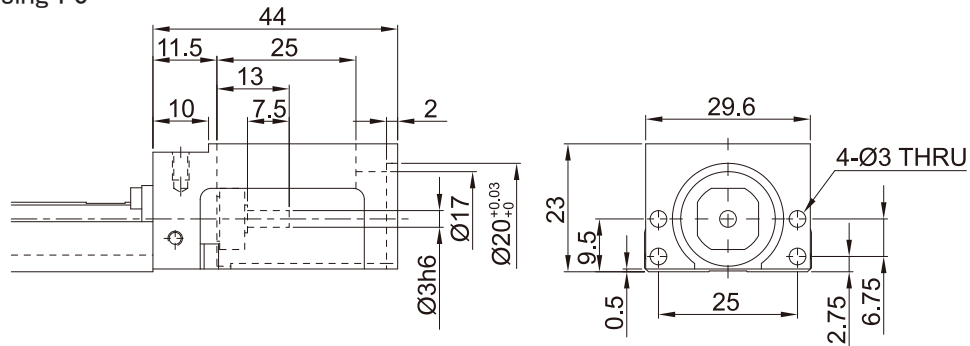
Discount	Quantity	1~5	5~
	Discount	100%	Negotiable

Motor Housing and Motor Adaptor Flange

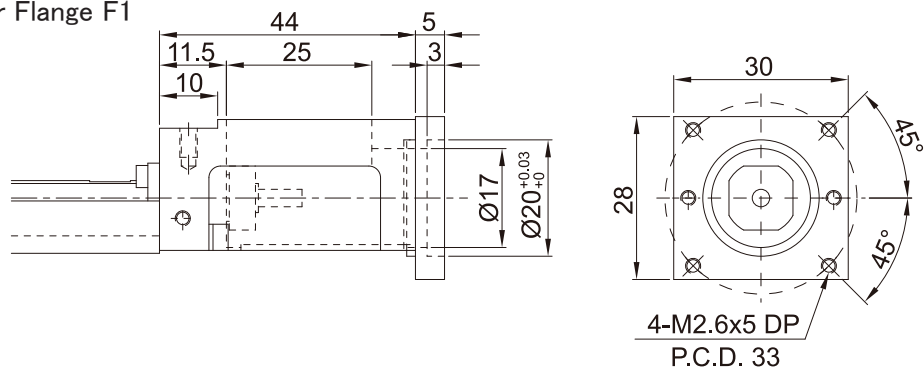


KT30

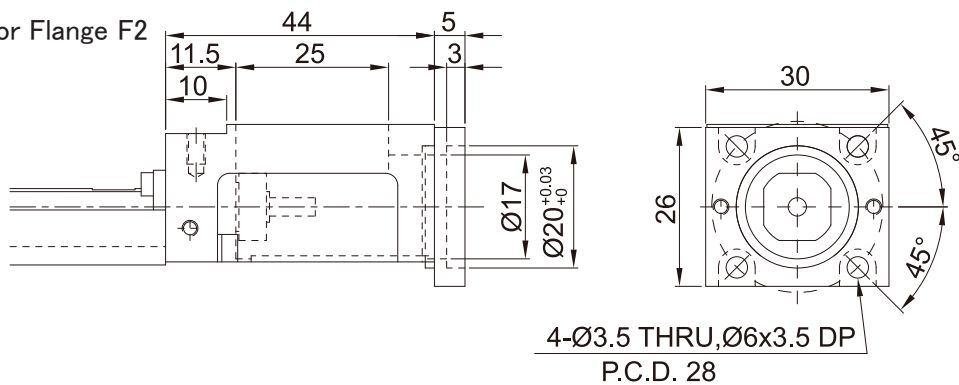
Motor Housing F0



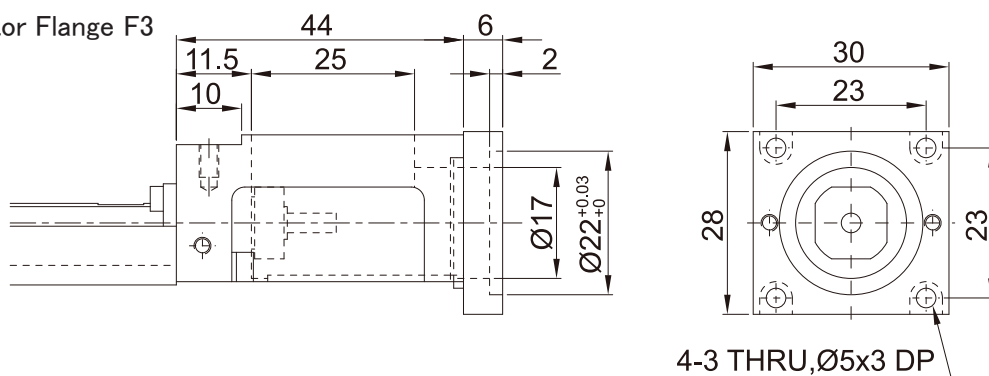
Motor Adaptor Flange F1



Motor Adaptor Flange F2



Motor Adaptor Flange F3

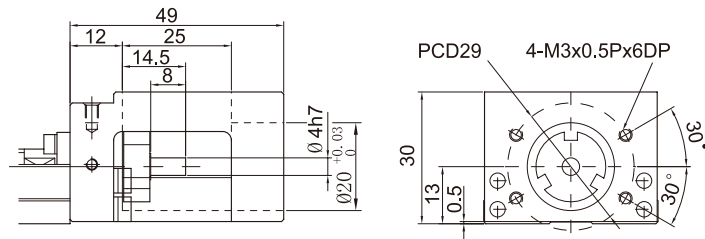


Motor Housing and Motor Adaptor Flange

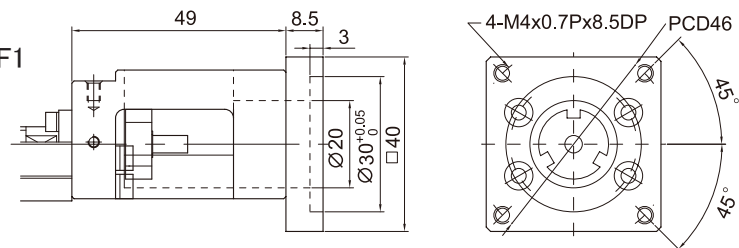


KT40

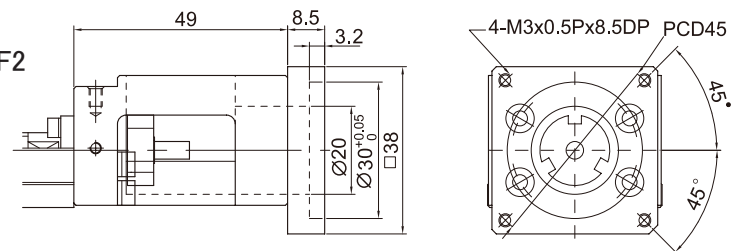
Motor Housing F0



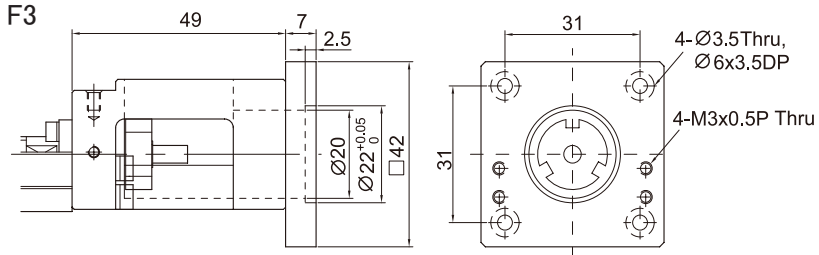
Motor Adaptor Flange F1



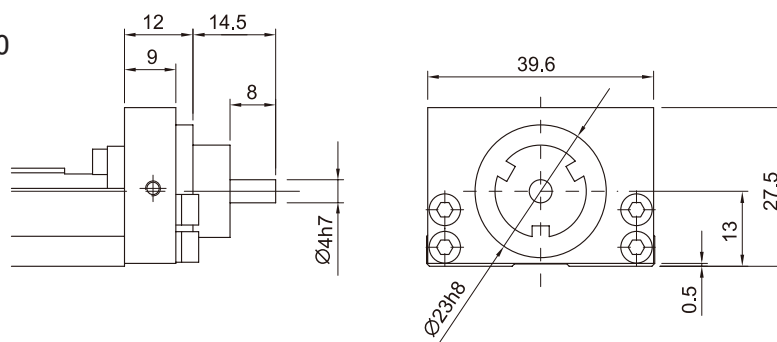
Motor Adaptor Flange F2



Motor Adaptor Flange F3



Mount Housing H0

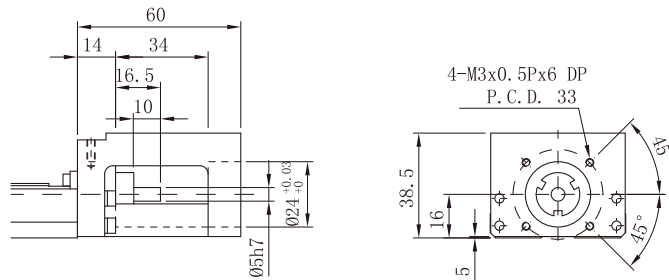


Motor Housing and Motor Adaptor Flange

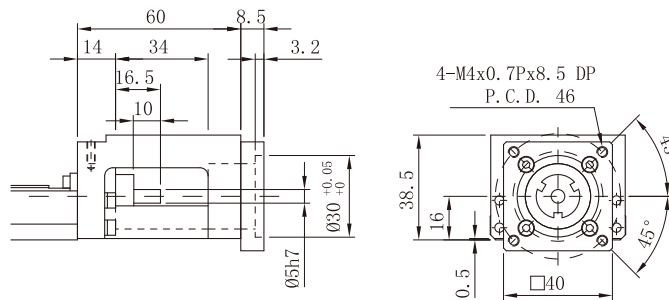


KT50

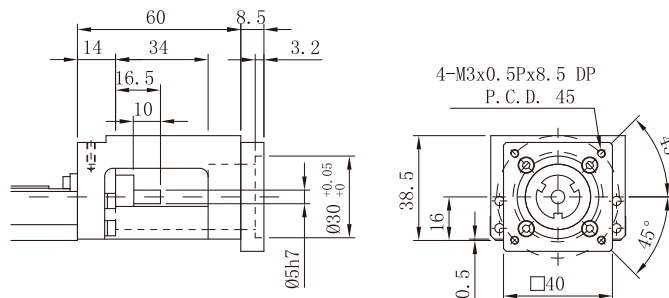
Motor Housing F0



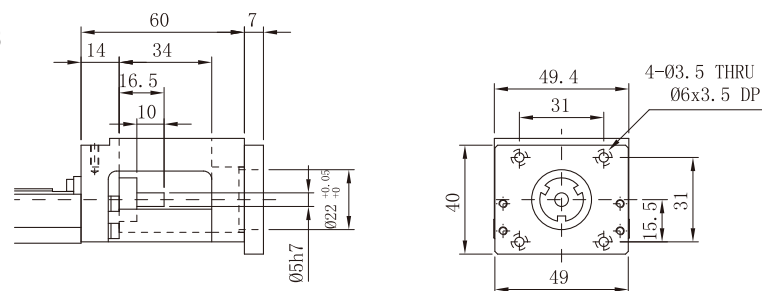
Motor Adaptor Flange F1



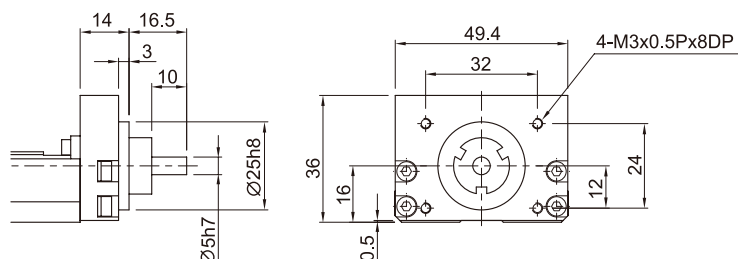
Motor Adaptor Flange F2



Motor Adaptor Flange F3



Mount Housing H0

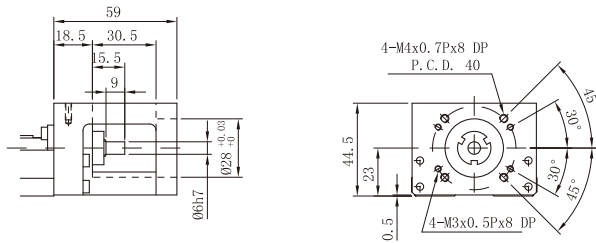


Motor Housing and Motor Adaptor Flange

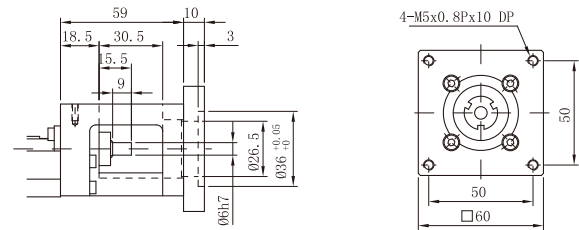


KT60

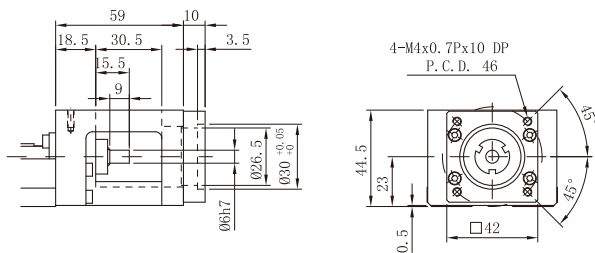
Motor Housing F0



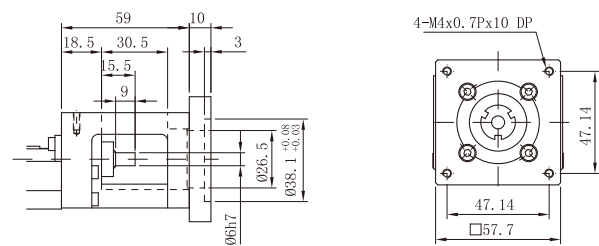
Motor Adaptor Flange F3



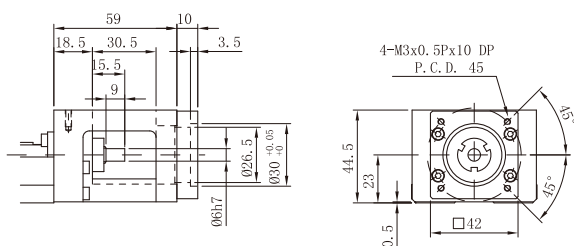
Motor Adaptor Flange F1



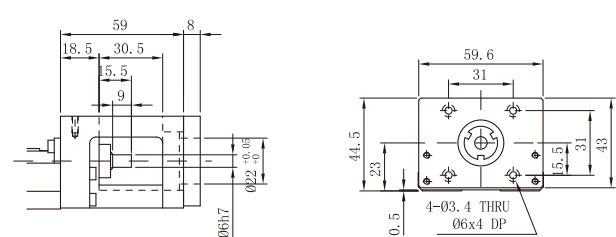
Motor Adaptor Flange F4



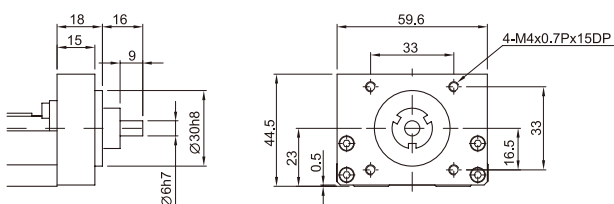
Motor Adaptor Flange F2



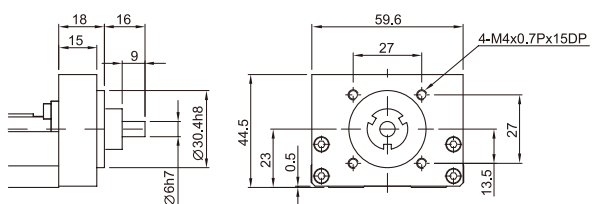
Motor Adaptor Flange F5



Mount Housing H0



Mount Housing H1

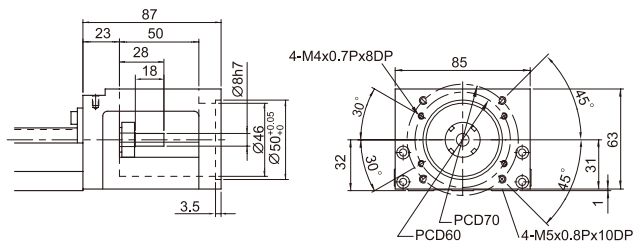


Motor Housing and Motor Adaptor Flange

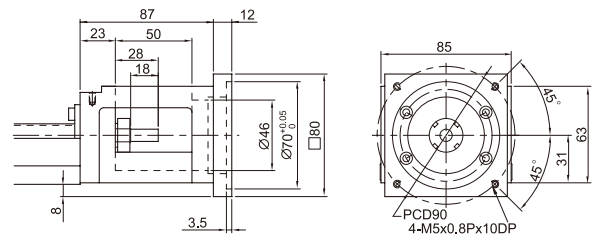


KT86

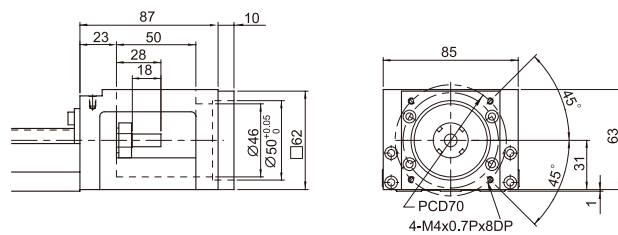
Motor Housing F0



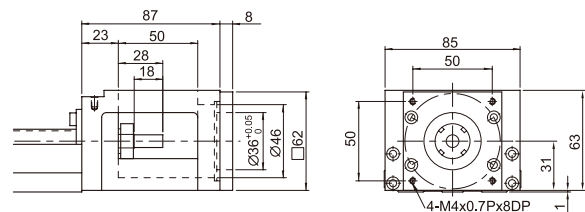
Motor Adaptor Flange F4



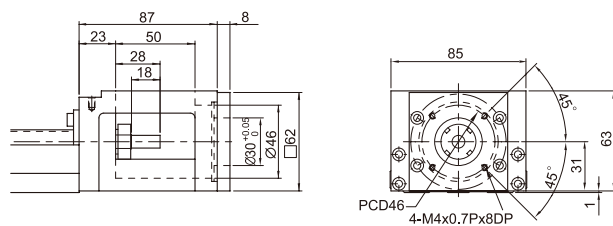
Motor Adaptor Flange F1



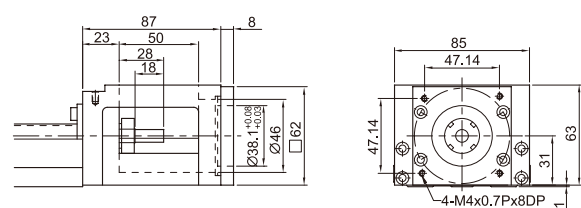
Motor Adaptor Flange F5



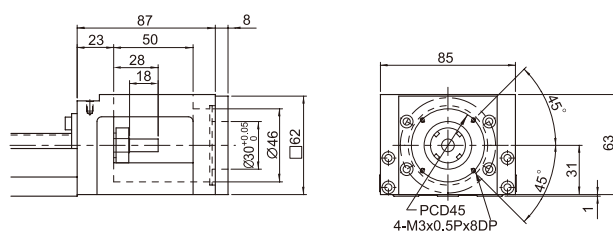
Motor Adaptor Flange F2



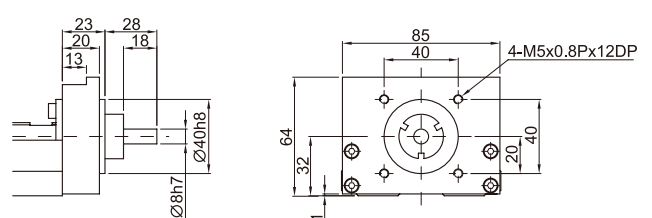
Motor Adaptor Flange F6



Motor Adaptor Flange F3



Mount Housing H0

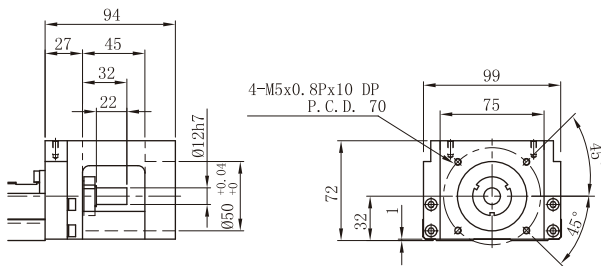


Motor Housing and Motor Adaptor Flange

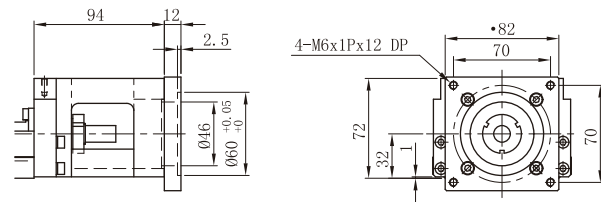
KT100



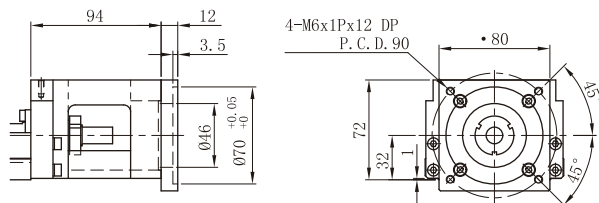
Motor Housing F0



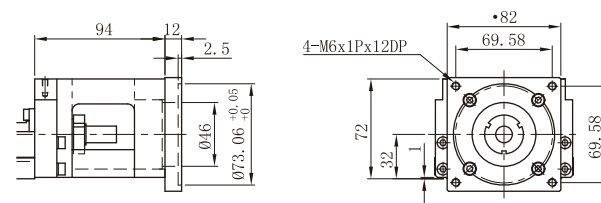
Motor Adaptor Flange F3



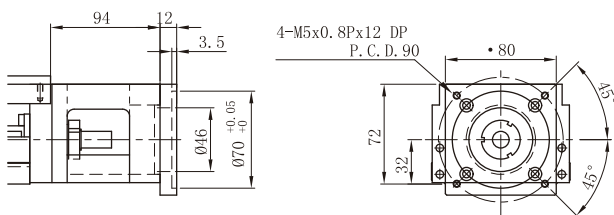
Motor Adaptor Flange F1



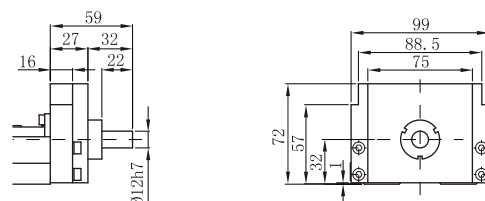
Motor Adaptor Flange F4

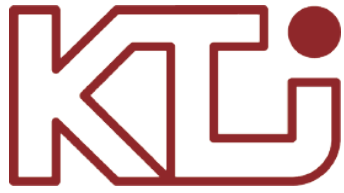


Motor Adaptor Flange F2

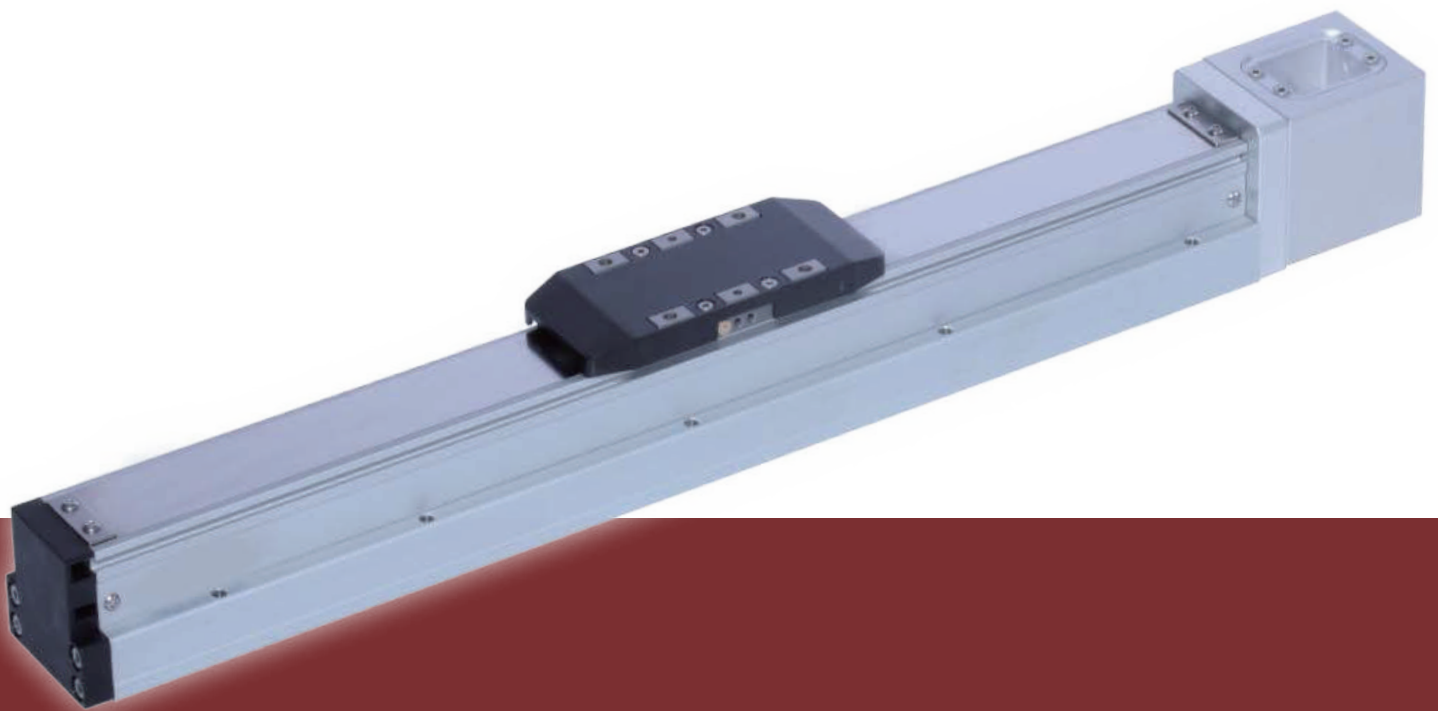


Mount Housing H0





KN Built-in Linear Guideway Ball-Screw Series (General)



KN4 - L10 - S100 - M2 - M100W - B

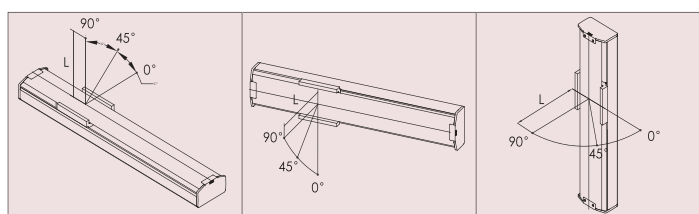
Model Lead Stroke Motor direction Motor brand and output Brake

M2 Motor outside position
M3 Motor outside, rightward position
M4 Motor outside, leftward position
M6 Motor outside, lower position

X Siemens
M Mitsubishi
Y Yaskawa
P Panasonic
F Fuji
D Delta

KN4 Specification

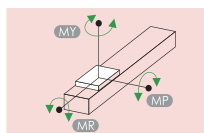
AC Servo motor output(W)	100W		
Repeatability (mm)	±0.01		
B.S.Outer Diameter (Φ)	Ø10		
Lead(mm)	2	5	10
Maximum Speed (mm/sec)	100	250	500
Maximum payload(kg)	Horizontal (H)	25	20
	Vertical (V)	8	5
Rated thrust(N)	424	141	71
Stroke(mm)	100-800 (50 interval)		



Horizontal use (Unit: mm)					Wall installation use (Unit: mm)					Vertical use (Unit: mm)				
Lead	Payload	0°	45°	90°	Lead	Payload	0°	45°	90°	Lead	Payload	0°	45°	90°
Lead 2	12kg	80	505	1000	Lead 2	12kg	1000	70	80	Lead 2	4kg	200	165	200
	18kg	50	355	750		18kg	750	42	50		8kg	100	76	100
	25kg	32	260	500		25kg	500	20	32		-	-	-	-
Lead 5	10kg	70	270	550	Lead 5	10kg	550	58	72	Lead 5	3kg	200	165	200
	15kg	45	187	350		15kg	345	36	45		5kg	120	85	120
	20kg	31	140	250		20kg	250	21	31		-	-	-	-
Lead 10	8kg	75	130	305	Lead 10	8kg	300	60	75	Lead 10	1.5kg	350	266	350
	10kg	57	115	240		10kg	240	44	58		2kg	260	190	260
	12kg	47	90	195		12kg	190	35	47		-	-	-	-

* The distance from the center of the block surface to the center of gravity of the object being transported (For reference only)

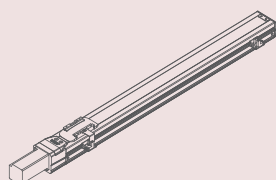
Static Loading Moment



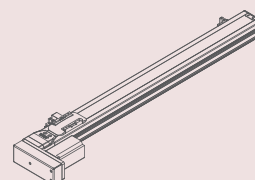
Unit: N.m
Horizontal use

MY	79
MP	79
MR	116

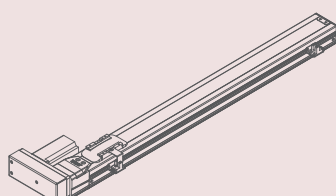
This model is not suggested to be used as the load axis of multi axes.



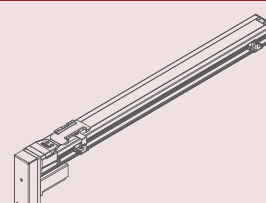
M2



M3

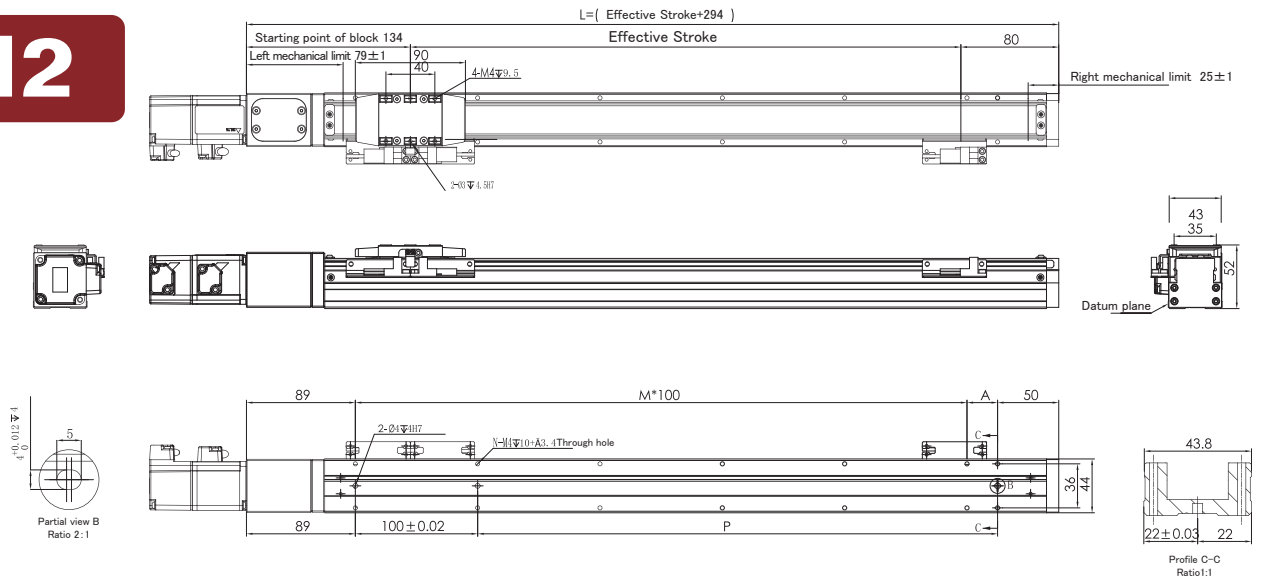


M4



M6

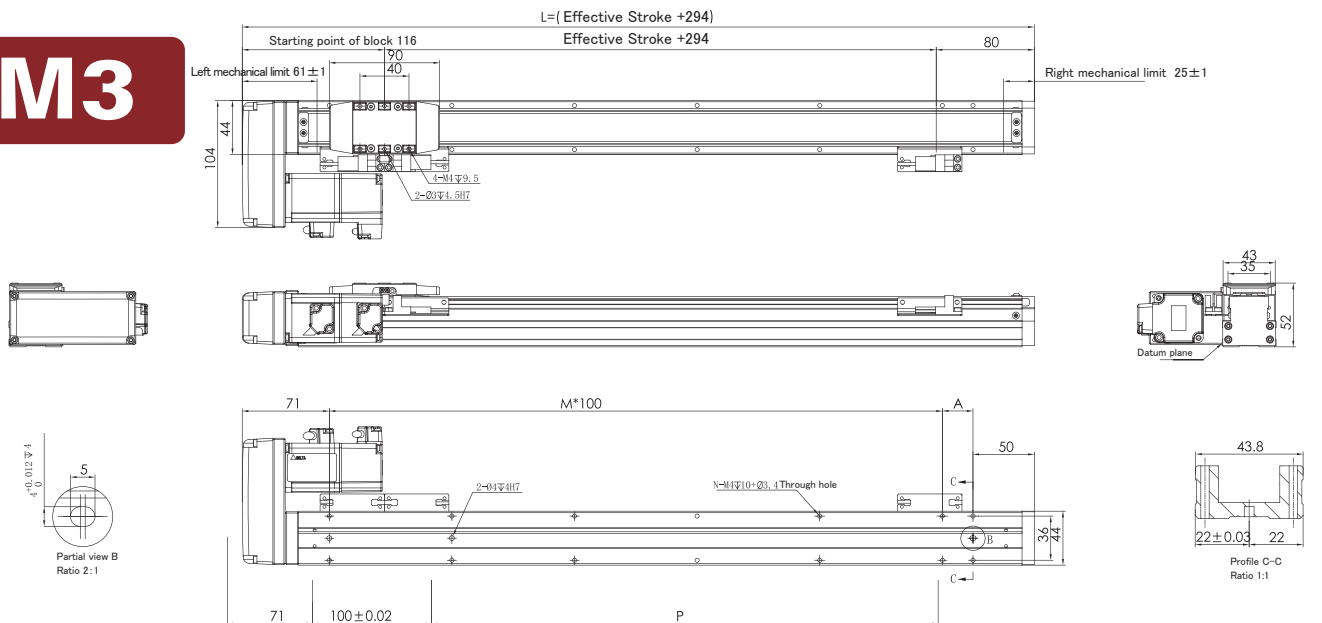
M2



Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	264	314	364	414	464	514	564	614	664	714	764	814	864	914	964	1014
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
Mass(Kg)	0.95	1.12	1.29	1.47	1.65	1.83	2.01	2.19	2.37	2.55	2.73	2.91	3.09	3.27	3.45	3.63

※ Drawings and specifications are subject to change without prior notice.

M3



Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	246	296	346	396	446	496	546	596	646	696	746	796	846	896	946	996
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
Mass(Kg)	1.04	1.22	1.40	1.58	1.76	1.94	2.12	2.30	2.48	2.66	2.84	3.02	3.20	3.38	3.56	3.74

※ Drawings and specifications are subject to change without prior notice.

KN5-L10-S100- M2- M100W -B

Model Lead Stroke Motor direction Motor brand and output Brake

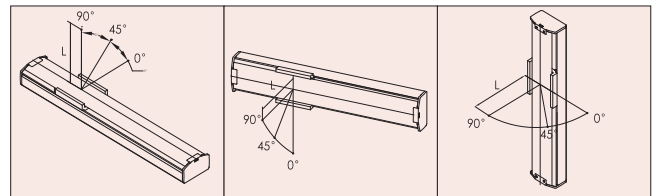
M2 Motor outside position
M3 Motor outside, rightward position
M4 Motor outside, leftward position
M6 Motor outside, lower position

X Siemens
M Mitsubishi
Y Yaskawa
P Panasonic
F Fuji
D Delta

KN5 Specification

AC Servo motor output(W)		100W	
Repeatability (mm)		± 0.01	
B.S. Outer Diameter(Φ)		$\Phi 12$	
Lead(mm)		5	10
Maximum Speed (mm/sec)		250	500
Maximum payload(kg)	Horizontal (H)	30	15
	Vertical (V)	10	5
Rated thrust (N)		327	163
Stroke (mm)		100-800 (50 interval)	

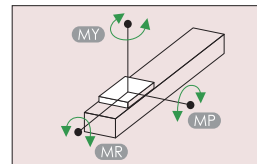
This model is not suggested to be used as the load axis of multi axes.



Horizontal use (Unit: mm)				Wall installation use (Unit: mm)				Vertical use (Unit: mm)			
Payload	0°	45°	90°	Payload	0°	45°	90°	Payload	0°	45°	90°
5kg	380	260	600	5kg	600	210	153	1kg	680	260	580
10kg	258	186	370	10kg	370	140	86	3kg	458	186	458
15kg	120	80	160	15kg	250	76	66	5kg	220	110	220
10kg	420	270	650	10kg	550	310	150	6kg	380	270	380
20kg	230	170	380	20kg	350	132	80	8kg	258	170	258
30kg	110	60	150	30kg	100	76	60	10kg	100	76	100

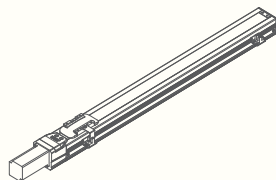
*The distance from the center of the block surface to the center of gravity of the object being transported. (For reference only)

Static Loading Moment

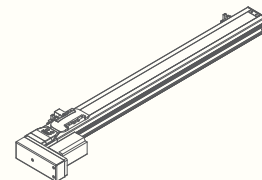


Unit: N.m
Horizontal use

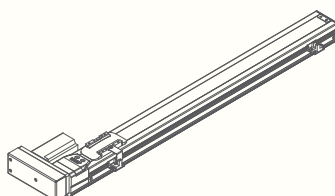
MY	100
MP	100
MR	145



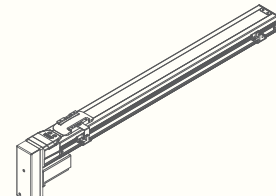
M2



M3

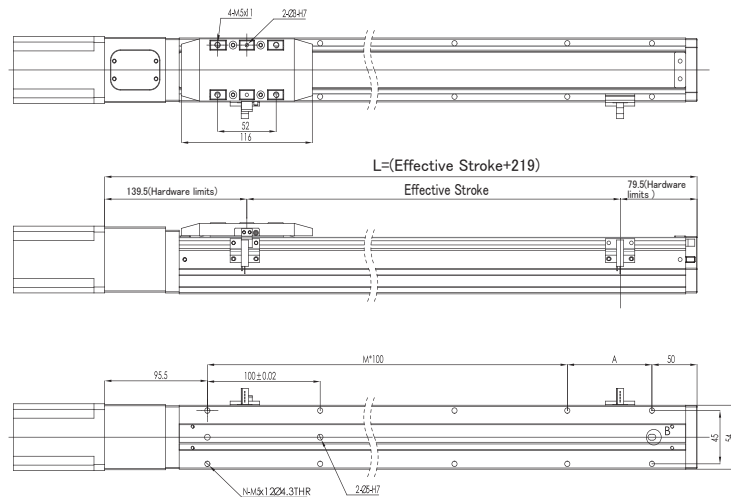
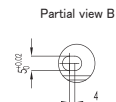
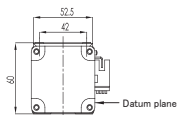


M4



M6

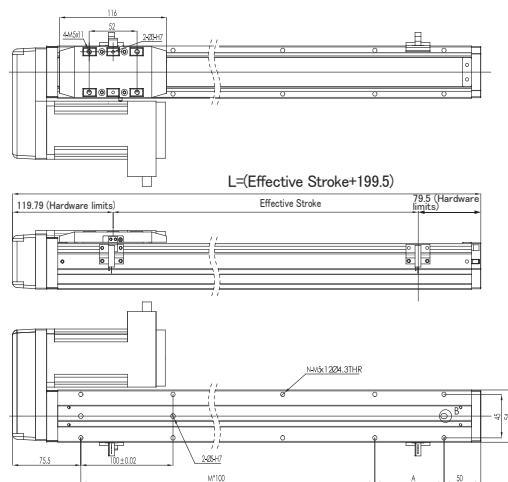
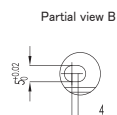
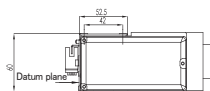
M2



Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	319	369	419	469	519	569	619	669	719	769	819	869	919	969	1019
A	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
Mass(Kg)	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4	4.2	4.4	4.6	4.8	5	5.2

※ Drawings and specifications are subject to change without prior notice.

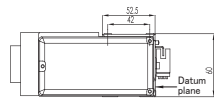
M3



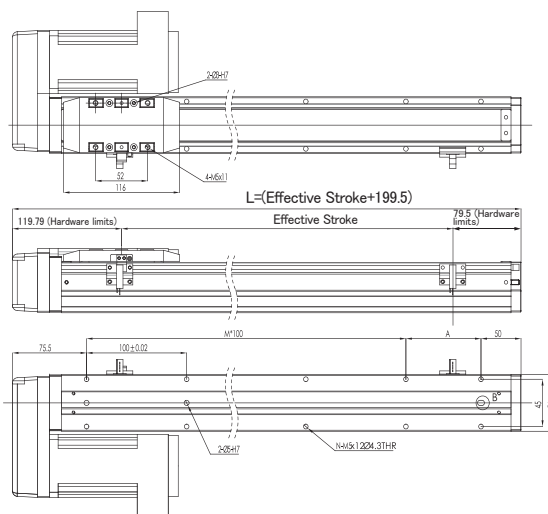
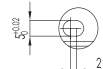
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	299.5	349.5	399.5	449.5	499.5	549.5	599.5	649.5	699.5	749.5	799.5	849.5	899.5	949.5	999.5
A	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
Mass(Kg)	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4	4.2	4.4	4.6	4.8	5	5.2	5.4

※ Drawings and specifications are subject to change without prior notice.

M4



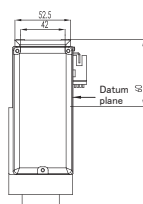
Partial view B



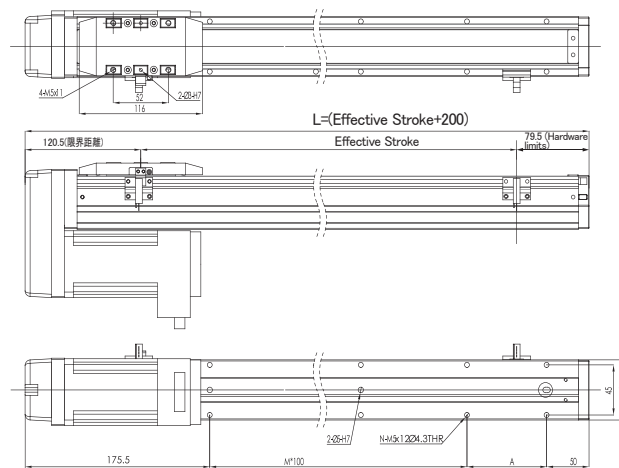
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	299.5	349.5	399.5	449.5	499.5	549.5	599.5	649.5	699.5	749.5	799.5	849.5	899.5	949.5	999.5
A	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
Mass(Kg)	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4	4.2	4.4	4.6	4.8	5	5.2	5.4

※ Drawings and specifications are subject to change without prior notice.

M6



Partial view B



Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
A	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
Mass(Kg)	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4	4.2	4.4	4.6	4.8	5	5.2	5.4

※ Drawings and specifications are subject to change without prior notice.

KN8-L10-S100-M2-M200W-B

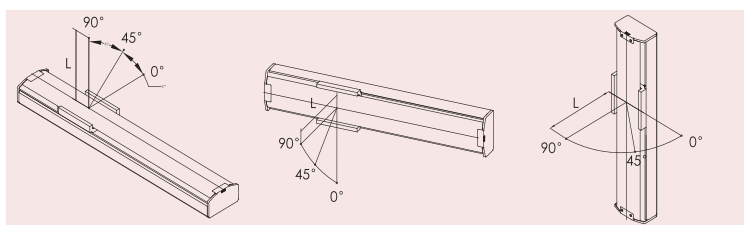
Model Lead Stroke Motor direction Motor brand and output Brake

M2 Motor outside position
M3 Motor outside, rightward position
M4 Motor outside, leftward position
M6 Motor outside, lower position

X Siemens
M Mitsubishi
Y Yaskawa
P Panasonic
F Fuji
D Delta

KN8 Specification

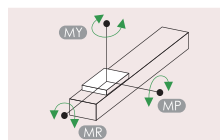
AC Servo motor output(W)		200W		
Repeatability (mm)		±0.01		
B.S. Outer Diameter(Φ)		Ø16		
Lead(mm)		5	10	20
Maximum Speed (mm/sec)		250	500	1000
Maximum payload(kg)	Horizontal (H)	50	30	11
	Vertical (V)	15	8	2.6
Rated thrust(N)		685	340	176
Stroke(mm)		100-1050 (50 interval)		



Horizontal use (Unit: mm)					Wall installation use (Unit: mm)					Vertical use (Unit: mm)				
Lead	Payload	0°	45°	90°	Lead	Payload	0°	45°	90°	Lead	Payload	0°	45°	90°
Lead20	6kg	467	390	1180	Lead20	6kg	760	423	386	Lead20	2.5kg	863	460	863
	9kg	325	262	800		9kg	542	290	234		-	-	-	-
	12kg	238	183	595		12kg	277	180	159		-	-	-	-
Lead10	10kg	415	293	1700	Lead10	10kg	1360	378	286	Lead10	5kg	583	270	583
	20kg	202	200	823		20kg	794	173	136		8kg	340	170	340
	30kg	131	113	483		30kg	493	106	86		-	-	-	-
Lead5	20kg	302	283	1532	Lead5	20kg	1450	214	153	Lead5	10kg	361	245	361
	35kg	146	136	882		35kg	845	113	81		15kg	234	156	234
	50kg	90	78	430		50kg	463	74	53		-	-	-	-

*The distance from the center of the block surface to the center of gravity of the object being transported (For reference only)

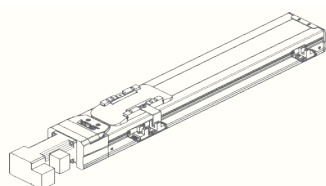
Static Loading Moment



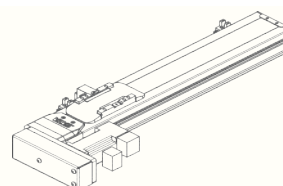
Unit: N.m
Horizontal use

MY	320
MP	320
MR	630

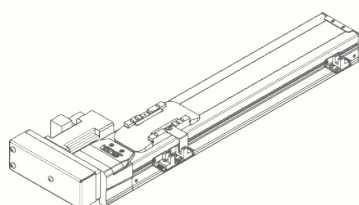
This model is not suggested to be used as the load axis of multi axes.



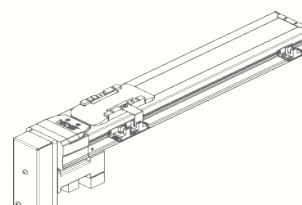
M2



M3

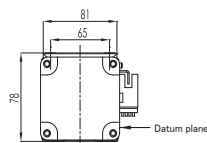


M4

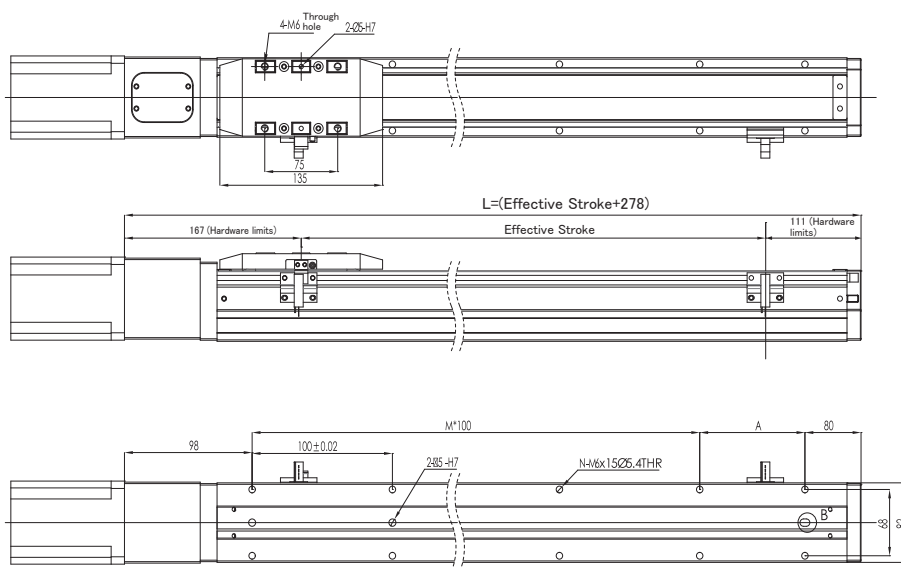
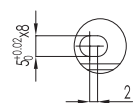


M6

M2



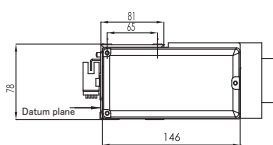
Partial view B



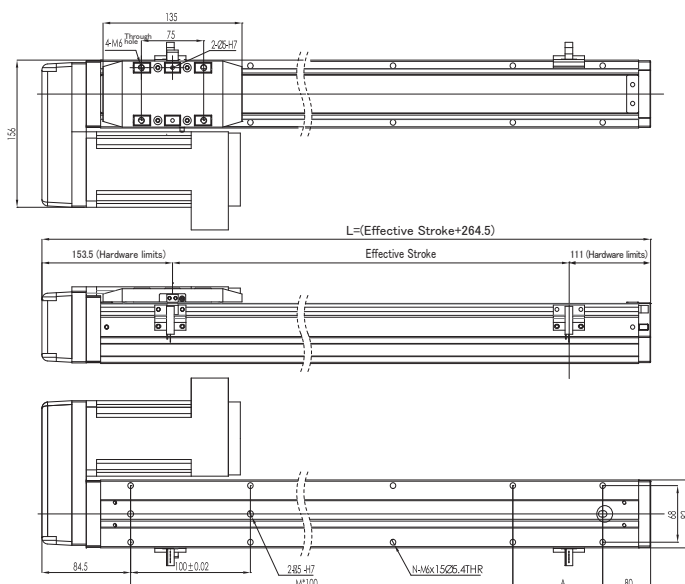
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	378	428	478	528	578	628	678	728	778	828	878	928	978	1028	1078	1128	1178	1228	1278	1328
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26
Mass(Kg)	5.54	5.91	6.27	6.64	7	7.37	7.73	8.1	8.46	8.83	9.19	9.56	9.92	10.29	10.65	11.02	11.38	11.75	12.11	12.48

※ Drawings and specifications are subject to change without prior notice.

M3



Partial view B



Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	364.5	414.5	464.5	514.5	564.5	614.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1014.5	1064.5	1114.5	1164.5	1214.5	1264.5	1314.5
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
M	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10
N	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24
Mass(Kg)	5.6	6.12	6.64	7.16	7.68	8.2	8.72	9.24	9.76	10.28	10.8	11.32	11.84	12.36	12.88	13.4	13.92	14.44	14.96	15.48

※ Drawings and specifications are subject to change without prior notice.

KN12-L10-S100- M2- M400W -B

Model

Lead

Stroke

Motor direction

Motor brand and output

Brake

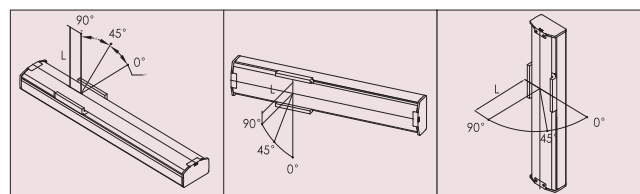
M2 Motor outside position
M3 Motor outside, rightward position
M4 Motor outside, leftward position
M6 Motor outside, lower position

X Siemens
M Mitsubishi
Y Yaskawa
P Panasonic
F Fuji
D Delta

KN12 Specification

AC Servo motor output(W)		400W			
Repeatability (mm)		±0.01			
B.S. Outer Diameter(Φ)		Ø16			
Lead (mm)		5	10	20	32
Maximum Speed(mm/sec)		250	500	1000	1600
Maximum payload(kg)	Horizontal (H)	110	88	40	30
	Vertical (V)	33	22	10	8
Rated thrust(N)		954	480	240	200
Stroke(mm)		100-1250 (50 interval)			

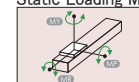
This model is not suggested to be used as the load axis of multi axes.



Horizontal use (Unit: mm)					Wall installation use (Unit: mm)					Vertical use (Unit: mm)			
Lead	Payload	90°	45°	0°	Lead	Payload	90°	45°	0°	Lead	Payload	90°	0°
Lead 5	60kg	2850	250	340	Lead 5	55kg	280	280	3300	Lead 5	15kg	1200	1200
	80kg	2100	180	250		75kg	200	195	2400		22kg	820	820
	110kg	1500	120	170		110kg	130	125	1550		33kg	550	550
Lead 10	30kg	2850	490	600	Lead 10	35kg	400	420	2500	Lead 10	10kg	1600	1600
	50kg	1700	280	350		55kg	245	250	1550		14kg	1150	1150
	88kg	950	140	190		88kg	150	150	950		22kg	730	730
Lead 20	10kg	3400	1250	1400	Lead 20	12kg	900	1070	3000	Lead 20	7kg	1800	1800
	22kg	1650	550	620		20kg	550	630	1800		10kg	1250	1250
	40kg	900	290	330		40kg	260	300	900		-	-	-
Lead 32	15kg	1100	570	550	Lead 32	15kg	440	570	1050	Lead 32	5kg	1600	1600
	25kg	620	330	320		30kg	210	270	520		8kg	1000	1000
	30kg	520	270	260		-	-	-	-		-	-	-

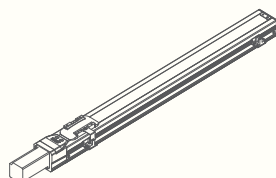
*The distance from the center of the block surface to the center of gravity of the object being transported (For reference only)

Static Loading Moment

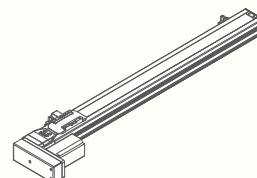


Unit: N.m

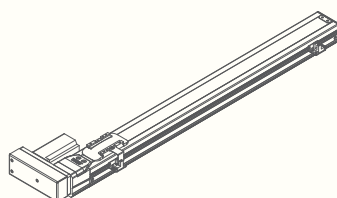
Horizontal use	
MY	606
MP	606
MR	1168



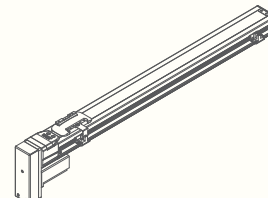
M2



M3

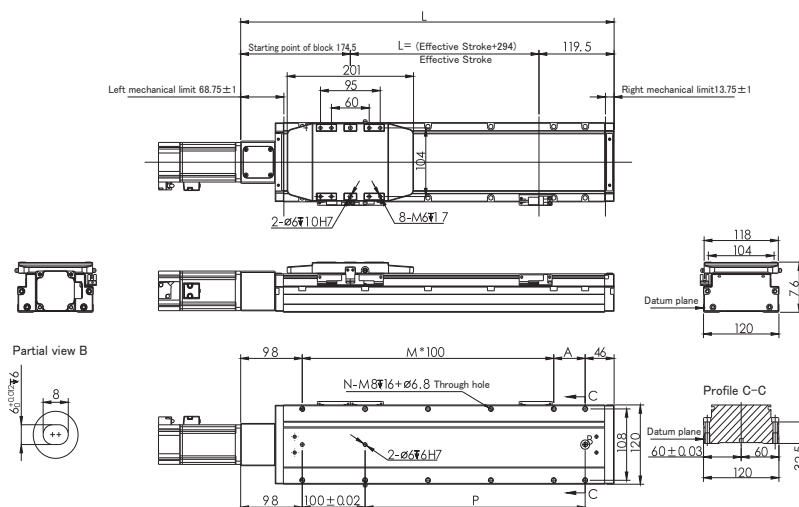


M4



M6

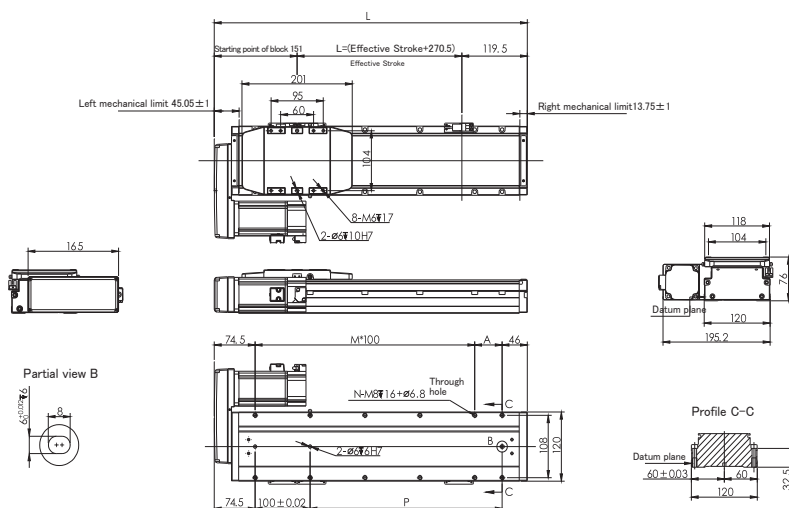
M2



Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	344	394	444	494	544	594	644	694	744	794	844	894	944	994	1044	1094	1144	1194	1244	1294	1344	1394	1444	1494	1544
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
Mass(Kg)	5.05	5.4	5.75	6.1	6.45	6.8	7.15	7.5	7.85	8.2	8.55	8.9	9.25	9.6	9.95	10.3	10.65	11	11.35	11.7	12.05	12.4	12.75	13.1	13.45

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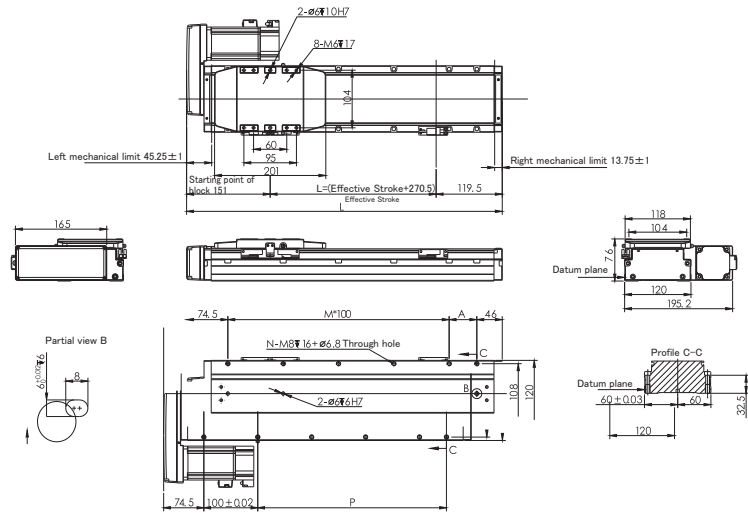
M3



Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1050	1050	1100	1150	1200	1250	1300
Mass (Kg)	5.25	5.6	5.95	6.3	6.65	7	7.35	7.7	8.05	8.4	8.75	9.1	9.45	9.8	10.15	10.85	11.2	11.55	11.9	12.25	12.6	12.95	13.3	13.65	14

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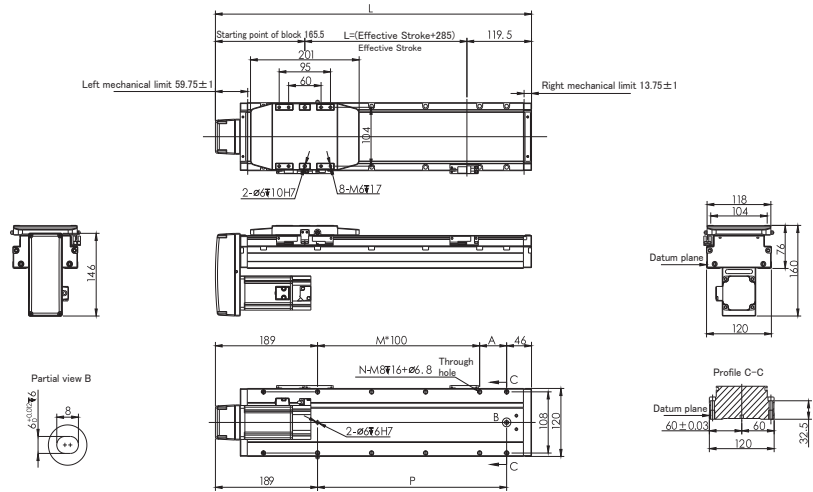
M4



Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1050	1050	1100	1150	1200	1250	1300
Mass (Kg)	5.25	5.6	5.95	6.3	6.65	7	7.35	7.7	8.05	8.4	8.75	9.1	9.45	9.8	10.15	10.85	11.2	11.55	11.9	12.25	12.6	12.95	13.3	13.65	14

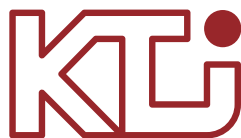
※ Drawings and specifications are subject to change without prior notice.

M6



Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1050	1050	1100	1150	1200	1250	1300
Mass (Kg)	5.25	5.6	5.95	6.3	6.65	7	7.35	7.7	8.05	8.4	8.75	9.1	9.45	9.8	10.15	10.85	11.2	11.55	11.9	12.25	12.6	12.95	13.3	13.65	14

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K I N G T E C H G R O U P

Japan

〔KING TECH JAPAN CORPORATION〕

CROSS GATE 7F, 1-101-1 Sakuragicho, Naka-ku,
Yokohama-shi, Kanagawa, 231-0062, Japan

TEL: +81-3-5050-4915

Mail: info@ktjcorp.co.jp

Line Official Account@161fzbhq



Taiwan

〔KING TECH TRANSMISSION CORPORATION〕

4F, No. 360, Anyi Rd., Anping Dist., Tainan City 708003 , Taiwan

TEL: 886-6-298-1177

FAX: 886-6-298-7711

Mail: info@kingtechcorp.com

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